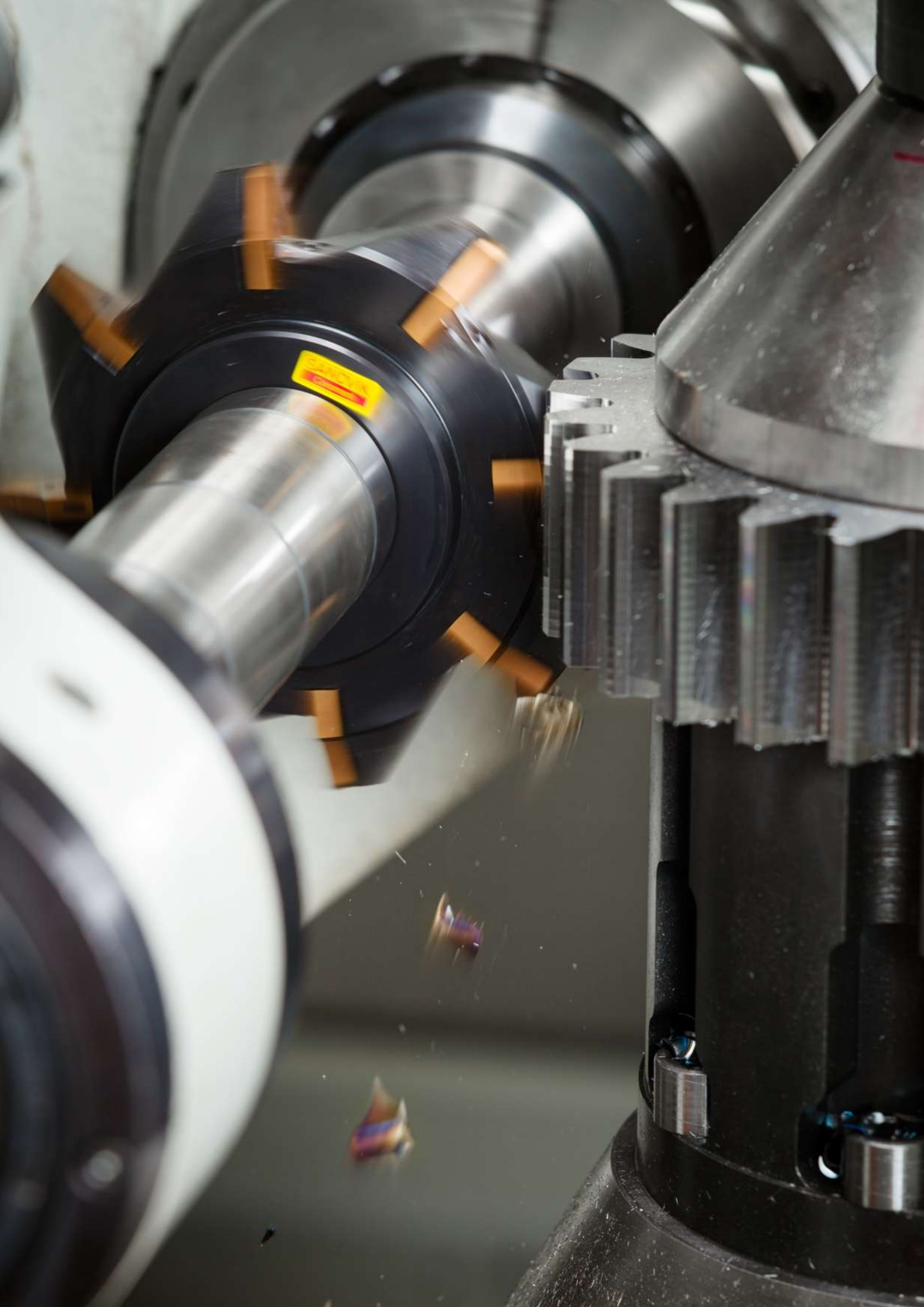
CUTTING TOOLS FROM SANDVIK COROMANT

Rotating tools

MILLING
DRILLING
TAPPING
BORING
REAMING
ROTATING TOOL ADAPTERS



2015



CoroDrill® 870

Exchangeable tip drill

Reliable and productive drilling of medium-close tolerance holes



See page K34



See page K18

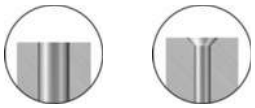
Product range

- Diameter range: 10.00 to 33.00 mm (.394-1.299 inch)
- Drilling depths: 3-10 x drill diameter
- Hole tolerance: H9-H10
- Available as Tailor Made option in intermediate sizes, see page K18

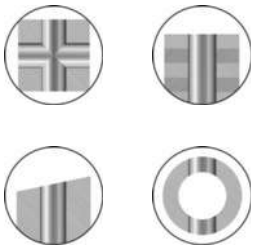


Application

First Choice applications



Applications with additional requirements



For recommendations see Knowledge section at www.sandvik.coromant.com

P M K

ISO application area

Geometry	DC ground to tolerance	Application area	Page
-PM	k8	P	K18
-MM	k8	M	K22
-KM	k8	K	K26
-GP	u8	Prior to drilling with 6 x DC drills or longer in: P M K	K30

Hole tolerance

Diameter range, mm (inch)		10.00-18.00 (.394-.709)	18.01-30.00 (.709-1.181)	30.01-33.00 (1.181-1.299)
Hole tolerance, mm (inch)	3×DC-8×DC 10×DC	0/+0.043 (0/+.0017) 0/+0.070 (0/+.0028)	0/+0.052 (0/+.0020) 0/+0.084 (0/+.0033)	0/+0.062 (0/+.0024) 0/+0.100 (0/+.0039)



Easy handing and secure tip changing.



High-precision interface between drill body and tip for extra stability.

Tailor Made

Tailor Made drills for producing holes with step or chamfer in one operation is available. See page Q5.

CoroDrill® 880

Indexable insert drill

High performance in all workpiece materials



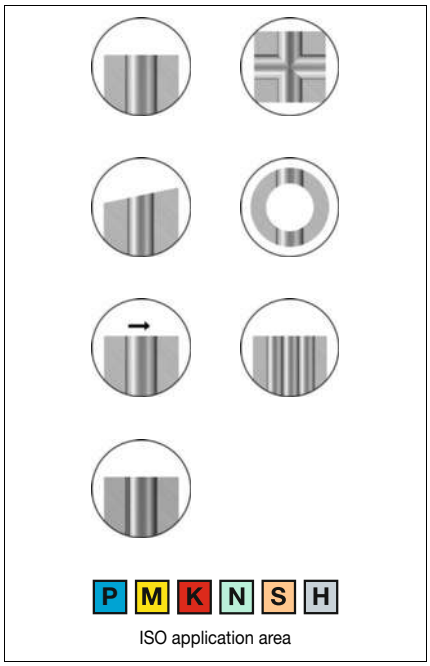
See page K40



See page K38



Application



ISO application area

Tolerances:

2 – 3 x DC			
Diameter range, mm (inch)	12.00-43.99 (.472-1.731)	44.00-52.99 (1.732-2.086)	53.00-63.50 (2.087-2.500)
Hole tolerance, mm (inch)	0/+0.25 (0/+.010)	0/+0.28 (0/+.011)	0/+0.30 (0/+.012)
4 – 5 × DC			
Diameter range, mm (inch)	12.00-43.99 (.472-1.731)	44.00-52.99 (1.732-2.086)	53.00-63.50 (2.087-2.500)
Hole tolerance, mm (inch)	0/+0.40 (0/+.016)	0/+0.43 (0/+.017)	0/+0.45 (0/+.018)

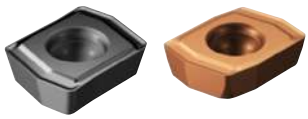
Product range

Drilling depths: 2-3 × drill diameter
- Diameter range: 12.00-63.00 (.500-2.500 inch)

Drilling depths: 4 × drill diameter
- Diameter range: 12.00-58.00 (.500-2.250 inch)

Drilling depths: 5 × drill diameter
- Diameter range: 12.00-43.00 (.500-1.687 inch)

Size 01
12.00-13.99 mm (.472-.551 inch)
Two cutting edges



Size 02-09
14.00-63.50 mm (.551-2.500 inch)
Four cutting edges



Step Technology™

Step Technology™ for perfect cutting force balance.

TECHNOLOGY Wiper

Wiper geometry for best surface finish or higher feed possibilities. See page 24.

Tailor Made

Available as Tailor Made in intermediate sizes from 12.00 up to 63.5 mm (.472-2.500 inch). See page Q5.

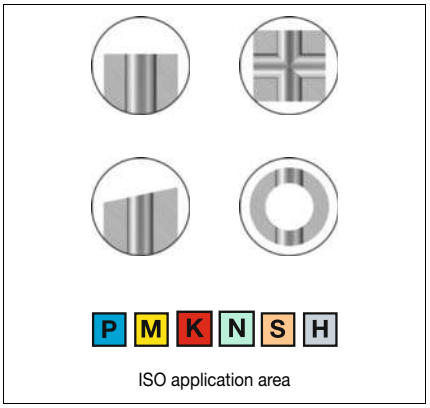
CoroDrill® 880 large diameter

Indexable insert drill

Large diameter drilling in all workpiece materials



Application



Product range

- Hole diameter range: 65.00-84.00 mm (2.559-3.307 inch)
- Drilling depths: 3 × DC and 4 × DC
- Coupling types: Cylindrical with flat (metric and inch), VL
- Available as Engineered offer in sizes up to 129 mm (5.079 inch) and 1-4 × DC



See page K58



See page K38

Size 06-09
Four cutting edges



Replaceable cartridges

One drill body covers a range of 5 mm (.197 inch) with replaceable cartridges

Use of CoroDrill 880 inserts

- Excellent chip control
- Reliable drilling process
- Low cost per hole

Robust cartridge design

- Gives high drill body security
- Slot at cartridge bottom gives stability and prevents wrong mounting of central and peripheral cartridges

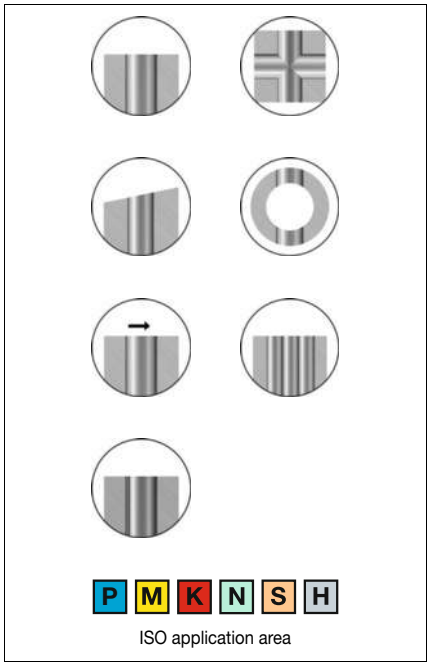
CoroDrill® 881

Indexable insert drill

Secure hole-making in unstable conditions



Application



- Low to medium feed applications
- Unstable conditions requiring strong, robust inserts
- Non-rotating applications

See page K63

Product range

- Diameter range: 14.00-23.50 mm (.562-.937 inch)
- Drilling depths: 2-5 × drill diameter



See page K62

Two cutting edges



Tailor Made

Available as Tailor Made in intermediate sizes from 12.70 up to 25.99 mm (.500-1.023 inch). See page Q7.

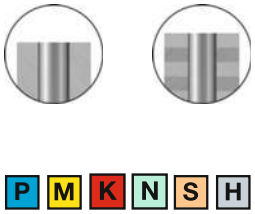
Trepanning tool

Indexable insert drill

Proven concept for core drilling



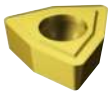
Application



ISO application area



See page K72



See page K71

Product range

- Diameter range: 60-110 mm (2.362-4.331 inch)
- Drilling depth: 2.5 x drill diameter
- VL coupling
- Stack drilling possibilities
- Other diameters and lengths are available as engineered solutions

Stack drilling cartridges available on request

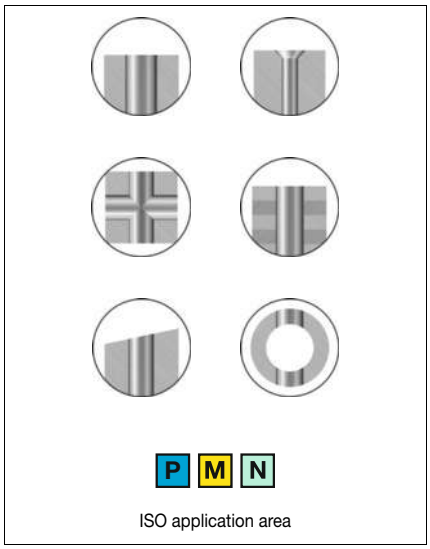
CoroDrill® 860

Solid carbide drills

Optimized geometries for maximum productivity in specific materials



Application

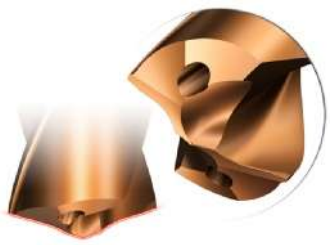


Product range

- P 860 –PM for steel 3-20 mm (.118-.787 inch)
- M 860 –MM for stainless steel 3-16 mm (.118-.629 inch)
- N 860 –NM for non-ferrous materials 3-20 mm (.118-.787 inch)

Page K73

- Drilling depths: 3-8 × drill diameter
- Hole tolerance: –PM and –NM: H8-H9, –MM: H6-H8
- Available as Tailor Made option



Unique cutting edge geometry lowers cutting forces and improves chip control.



Can be reconditioned to its original specification up to 3 times.



Available as Tailor Made in intermediate sizes and drill types up to 20 mm (.787 inch). See page Q5.

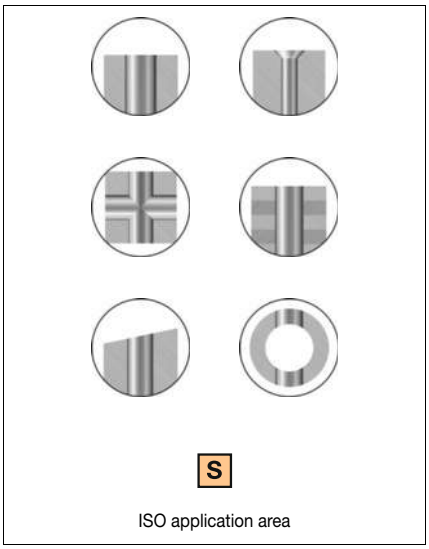
CoroDrill® Delta-C

Solid carbide drills

Optimized drilling in heat-resistant superalloys



Application



Product range

- Standard diameter: 3.00-16.00 mm (.118-.630 inch)
- Drilling depths: 2-5 × diameter
- Hole tolerance: H9
- Available as Tailor Made and Engineered offer

Page K102

Unique geometry for ISO S giving secure chip control.

Drilling tools suitable for cobalt chrome, nickel, and titanium-based alloys.



Can be reconditioned to its original specification up to 3 times.

Tailor Made

Available as Tailor Made in intermediate sizes 3-20 mm (.118-.787) and as Engineered offer 2-3 mm (.079-.118 inch). See page Q5.

CoroDrill® Delta-C

Solid carbide drills

Tooling solutions for CNC machines in composite materials



Application



- CFRP fiber rich materials
- CFRP/aluminum stacked materials

N O

ISO application area

Drill depth and hole tolerance

- Available as standard stocked item 4.00-12.7 mm (.157-.500 inch)
- Drilling depths: 4-5 × drill diameter
- Hole tolerance: IT 8-9
- Ra: 1-5 µm (40-200 µ inch)

Machines

- CNC controlled machining centers
- Robots
- Portable electrical or pneumatic machines

Page K106



Small point angles and high rake angles help to improve hole quality as well as reduce axial forces, which is critical on thin-walled surfaces.



- Point geometry designed to prevent splintering and fraying
- Diamond coating (N20C)



Available as Tailor Made option. See page Q5.

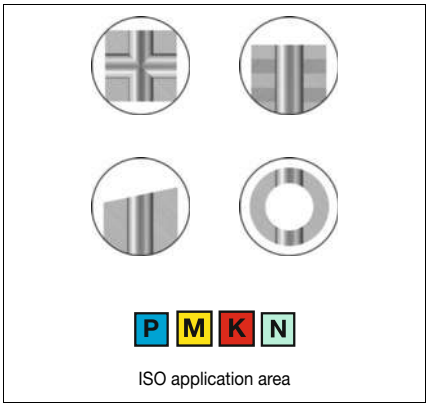
CoroDrill® 861

Solid carbide drills

High-stability deep hole drilling



Application



Product range

- Drilling depths: 12-30 × drill diameter
- Hole tolerance: H8-H9

Page K110

- CoroDrill 861 pilot drill to be applied before drilling with CoroDrill 861 longer than 12 x DC



- Special point geometry for reduced cutting forces
- ACM (Advanced Chip Management) flute geometry encourages small and manageable chips.



Can be reconditioned to its original specification up to 3 times.

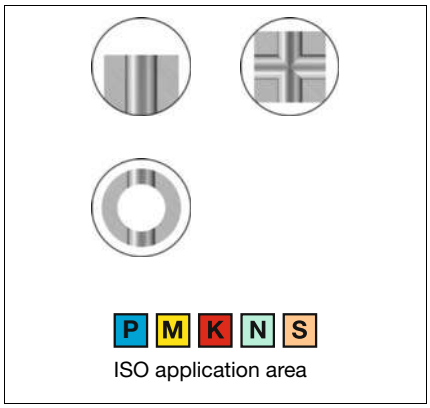
CoroDrill® 862

Solid carbide drills

For small-diameter precision holes



Application



Product range

- Standard diameter: 1.85-2.95 mm (.073-.116 inch)
- Drilling depths: 8-12 × drill diameter
- Hole tolerance: H8-H9
- Shank diameter throughout the range: 3 mm (.118 inch)
- Available as Engineered offer in intermediate sizes from 1.80 to 2.99 mm (.071-.118 inch)

Page K116



ACM (Advanced Chip Management) flute geometry encourages small and manageable chips.

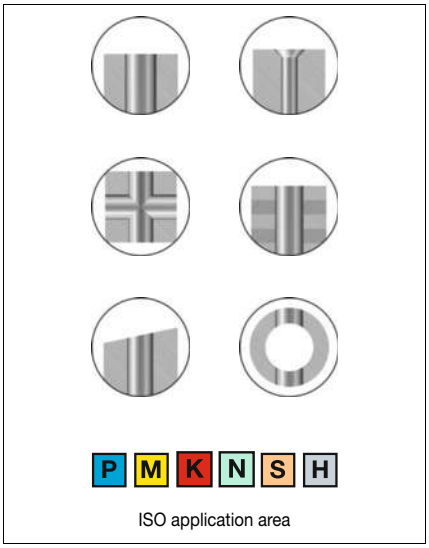
CoroDrill® 460

Solid carbide drills

Hole-making in multiple materials



Application



Product range

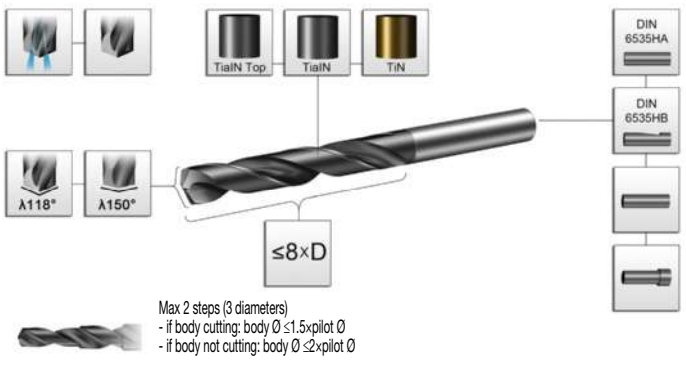
- Standard diameter: 3-20 mm (.118-.787 inch)
- Drilling depths: 2-8 × drill diameter
- Hole tolerance: IT8-IT9
- Available as Tailor Made in intermediate sizes up to 25 mm (0.984 inch)

Page K118



Can be reconditioned to its original specification up to 3 times.

Tailor Made See page K73



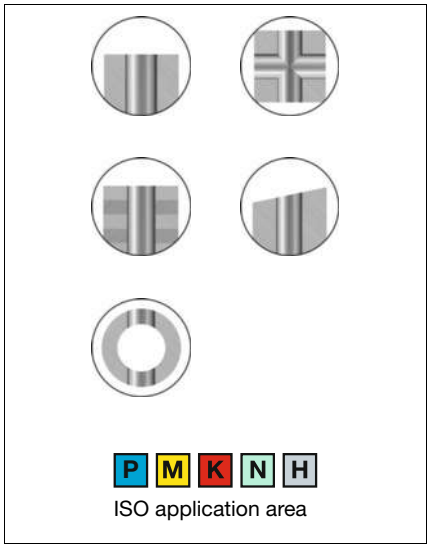
Coromant Delta®

Brazed carbide drills

Secure close hole tolerance in unstable conditions



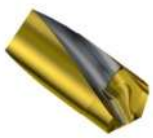
Application



Page K156

Product range

- Diameter range: 9.50-30.00 mm (.375-1.181 inch)
- Drilling depths: 3.5-5 × drill diameter
- Hole tolerance: H8-H9



Laser-hardened chip flutes and TiN coating (PVD)



Can be reconditioned to its original specification.



Available as Tailor Made option. See page Q7.

SANDVIK Coromant

CoroDrill® 452

Solid carbide drills, reamers, and countersinks

Tooling solutions for portable handheld machines in composite materials

Composite drill
CoroDrill 452.1...C

- For smooth exits from CFRP materials
- Right-hand drill with left-hand helix counteracts thrust forces for increased hole quality
- Tolerance: +/- 0.025 mm (+/- .0010 inch) with drill bushing



See page K163

Composite metal drill
CoroDrill 452.1...CM

- For pre-drilled and non-pre-drilled applications
- For stack of CFRP and aluminum, titanium, and stainless steel
- Self-centering drill point
- Tolerance: +/- 0.025 mm (+/- .0010 inch) with drill bushing



See page K162

Composite reamer
CoroDrill 452.R...C

- For close hole tolerances
- Designed to reduce risk of hole delamination
- Step pilot for reduced thrust and improved hole quality
- Tolerance: +/- 0.010 mm (+/- .0004 inch) with drill bushing



See page K164

Composite metal drill with pilot
CoroDrill 452.4...CM

- For high-quality holes with exceptional finish and quality
- Use with guide bushing for holes with minimum size difference between material stacks
- Self-centering drill pilot
- Tolerance: +/- 0.025 mm (+/- .0010 inch) with drill bushing



See page K161

PCD countersink
CoroDrill 452.C...C

- For improved accuracy
- Carbide pilot for high accuracy and durability
- PCD cutting edge for stable consistent tool life and re-sharpening
- Threaded coupling for 1/4 and 3/8 inch diameter, for combination with microstop adapter



See page K165

Composite metal reamer
CoroDrill 452.R...CM

- Designed to reduce the risk of hole delamination
- Pilot diameters matched to drill diameters of CoroDrill 452.1 and CoroDrill 452.4
- Tolerance: +/- 0.010 mm (+/- .0004 inch) with drill bushing



See page K164

Application

- Portable handheld machines
- Aerospace rivet and bolt holes
- Carbon fiber reinforced plastics (CFRP)
- Carbon fiber reinforced plastic/metallic stack materials



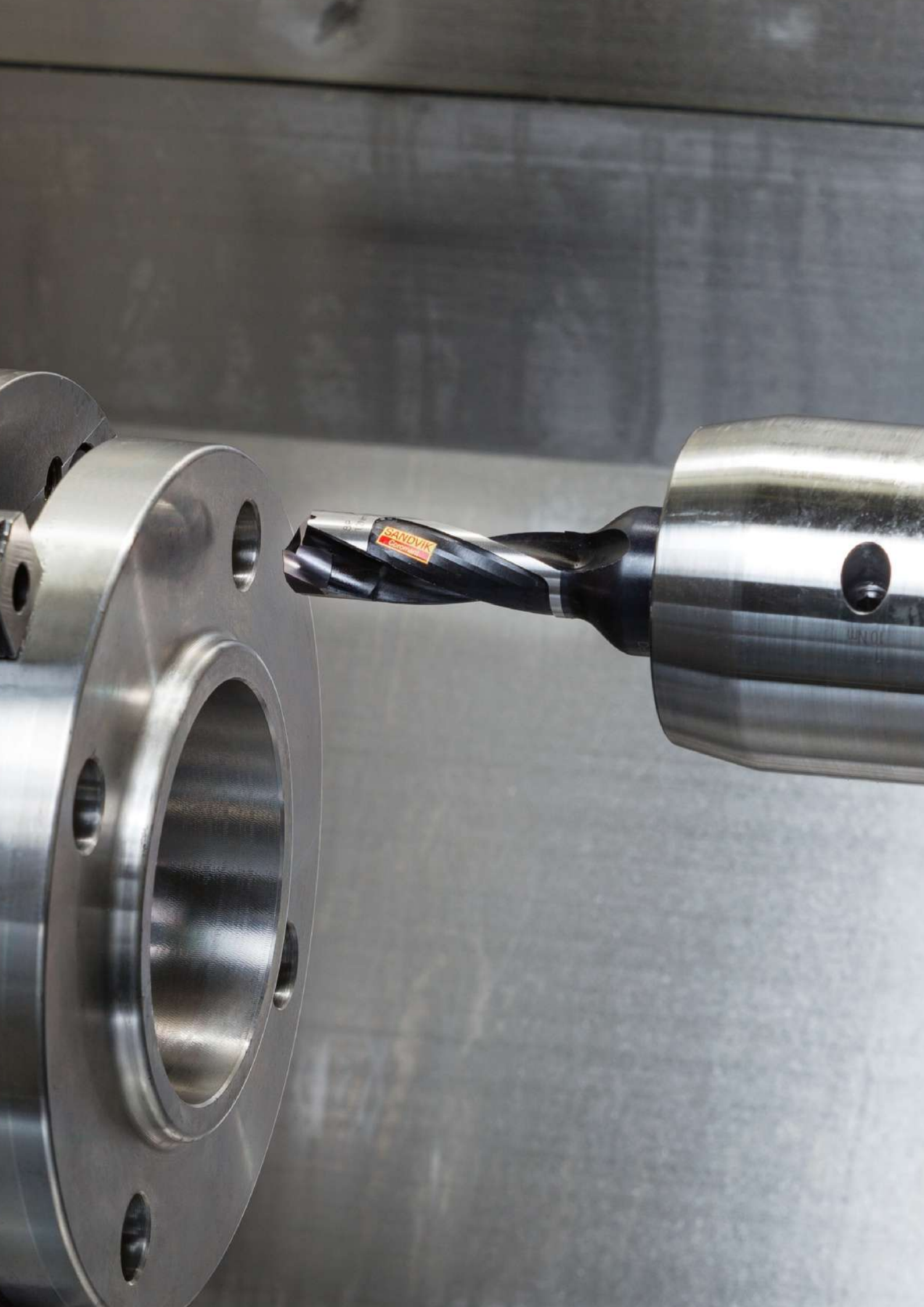


M N S O

ISO application area



Reconditioning service


SANDVIK
Coromant

How to choose your drill

1 Define your hole diameter and drill depth

Find diameter ranges and drill depths for drills listed in the table.

2 Select the type of drill

Check that the drill is suitable for your workpiece material.

3 Select the shank style

Many drills are available with different mounting options. Find the style compatible with your machine.

4 Order your drill

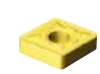
When you have found the drill that suits your needs, choose a drill that covers the hole diameter range you need.

5 Choose the insert, if applicable

If you have selected an indexable short hole drill, you must order the inserts separately.

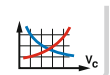
Find the inserts for your drill diameter and choose geometries and grades based on the recommendations for the workpiece material.

Symbols for page references:


Inserts



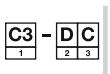
Tailor Made options



Cutting data



Explanation of ISO 13399 parameters



Code key



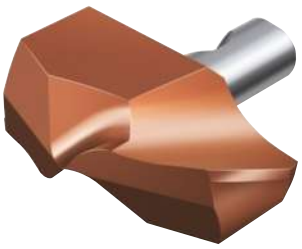
Coolant-supply information

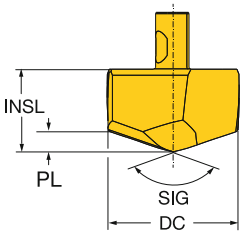

Overview of tooling alternatives

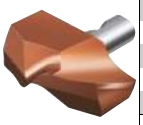
	Exchangeable tip drills / Indexable insert drills						Solid drills		
	870	880	880	881	R416	R416.7	860-PM	860.2-PM	860-MM
									
Drill type	**Exchangeable tip drill**	**Indexable insert drill**	**Large-diameter indexable insert drill**	**Indexable insert drill**	**Indexable plunge drill**	**Trepanning tool**	**Solid carbide drill**	**Step and chamfer drill**	**Solid carbide drill**
D_c mm	10.00-33.00	12.00-63.50	65.00-84.00	14.00-23.50	12.70-35.00	60.00-110.00	3.00-20.00	3.35-17.50	3.00-16.00
D_c inch	.394-1.299	.500-2.500	2.559-3.307	.551-.925	.500-1.378	2.362-4.331	.118-.787	.131-.688	.118-.787
ISO application area	P M K	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K N S	P	P	M
ULDR	3-10 x DC	2-5 x DC	3-4 x DC	2-5 x DC	4 x DC	2.5 x DC	2-8 x DC		2-8 x DC
TCHA	H9	H12-H13	IT13	IT13	IT13	IT13	H8	H9	H8
Coolant	Internal	Internal	Internal	Internal	Internal	External	Internal or External	Internal	Internal
Page	**K34**	**K40**	**K58**	**K63**	**K70**	**K72**	**K73**	**K107**	**K87**

	Solid drills										
	860.2-MM	860-NM	R846	HC	854	861-GP	861-GM	862-GM	460-XM	R411.5	452
											
Drill type	**Step and chamfer drill**	**Solid carbide drill**	**Solid carbide drill**	**Hard cut drill**	**Solid carbide drill**	**Pilot drill**	**Solid carbide drill for deep holes**	**Solid carbide drill for micro-holes**	**Solid carbide drill**	**Brazed carbide tipped drill**	**Drill for handheld applications**
D_c mm	3.35-17.50	3.00-20.00	3.00-16.00	2.00-6.00	4.00-12.70	3.00-12.00	3.00-20.00	1.85-2.95	3.00-20.00	9.75-30.00	3.37-11.91
D_c inch	.131-.688	.118-.787	.118-.472	.079-.236	.157-.500	.118-.472	.118-.787	.073-.116	.118-.787	.384-1.181	.133-.469
ISO application area	M	N	S	H	O	P M K N	P M K N	P M K N S	P M K N S H	P M K N H	P K N S O
ULDR		3-8 x DC	2-5 x DC	5 x DC	4-5 x DC	3 x DC	12-30 x DC	8-12 x DC	2-8 x DC	3.5-5 x DC	4-20 x DC
TCHA	H9	H8	H9	H13	H9	H9	H9	H9	H9	H9	H9
Coolant	Internal	Internal	Internal	External	External	Internal	Internal	Internal	Internal or External	Internal	External
Page	**K108**	**K97**	**K102**	**K160**	**K106**	**K110**	**K111**	**K116**	**K118**	**K156**	**K163**

CoroDrill® 870 drill tip

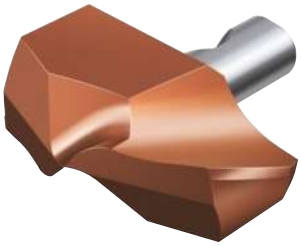


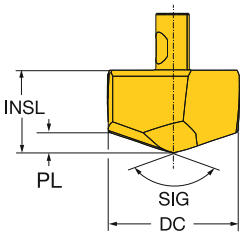


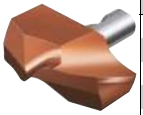
	DC	DC"		Ordering code	P 4234	PL	PL"	INSL	INSL"	SIG
						Dimensions, mm, inch				
	10.00	.3937	6	870-1000-6-PM	☆	1.5	.060	6.2	.244	142°
	10.10	.3976		870-1010-6-PM	☆	1.6	.061	6.2	.244	142°
	10.20	.4016		870-1020-6-PM	☆	1.6	.061	6.2	.244	142°
	10.30	.4055		870-1030-6-PM	☆	1.6	.062	6.2	.244	142°
	10.40	.4094		870-1040-6-PM	☆	1.6	.062	6.2	.244	142°
	10.50	.4134	7	870-1050-7-PM	☆	1.6	.063	6.2	.244	142°
	10.60	.4173		870-1060-7-PM	☆	1.6	.064	6.2	.244	142°
	10.70	.4213		870-1070-7-PM	☆	1.7	.064	6.2	.244	142°
	10.80	.4252		870-1080-7-PM	☆	1.7	.065	6.2	.244	142°
	10.90	.4291		870-1090-7-PM	☆	1.7	.066	6.2	.244	142°
	11.00	.4331	8	870-1100-8-PM	☆	1.7	.066	6.9	.271	142°
	11.10	.4370		870-1110-8-PM	☆	1.7	.066	6.9	.271	142°
	11.11	.4374		870-1111-8-PM	☆	1.7	.066	6.9	.271	142°
	11.20	.4409		870-1120-8-PM	☆	1.7	.067	6.9	.271	142°
	11.30	.4449		870-1130-8-PM	☆	1.7	.068	6.9	.271	142°
	11.40	.4488		870-1140-8-PM	☆	1.8	.068	6.9	.271	142°
	11.50	.4528	9	870-1150-9-PM	☆	1.8	.069	6.9	.271	142°
	11.60	.4567		870-1160-9-PM	☆	1.8	.070	6.9	.271	142°
	11.70	.4606		870-1170-9-PM	☆	1.8	.070	6.9	.271	142°
	11.80	.4646		870-1180-9-PM	☆	1.8	.071	6.9	.271	142°
	11.90	.4685		870-1190-9-PM	☆	1.8	.072	6.9	.271	142°
	12.00	.4724	10	870-1200-10-PM	☆	1.8	.072	7.5	.295	142°
	12.10	.4764		870-1210-10-PM	☆	1.9	.072	7.5	.295	142°
	12.20	.4803		870-1220-10-PM	☆	1.9	.073	7.5	.295	142°
	12.30	.4843		870-1230-10-PM	☆	1.9	.074	7.5	.295	142°
	12.40	.4882		870-1240-10-PM	☆	1.9	.074	7.5	.295	142°
	12.50	.4921	11	870-1250-11-PM	☆	1.9	.075	7.5	.295	142°
	12.60	.4961		870-1260-11-PM	☆	1.9	.075	7.5	.295	142°
	12.70	.5000		870-1270-11-PM	☆	2.0	.076	7.5	.295	142°
	12.80	.5039		870-1280-11-PM	☆	2.0	.077	7.5	.295	142°
	12.90	.5079		870-1290-11-PM	☆	2.0	.077	7.5	.295	142°
	13.00	.5118	12	870-1300-12-PM	☆	2.0	.078	8.0	.314	142°
	13.10	.5157		870-1310-12-PM	☆	2.0	.079	8.0	.314	142°
	13.20	.5197		870-1320-12-PM	☆	2.0	.079	8.0	.314	142°
	13.30	.5236		870-1330-12-PM	☆	2.0	.080	8.0	.314	142°
	13.40	.5276		870-1340-12-PM	☆	2.1	.081	8.0	.314	142°
	13.50	.5315	13	870-1350-13-PM	☆	2.1	.081	8.0	.314	142°
	13.60	.5354		870-1360-13-PM	☆	2.1	.082	8.0	.314	142°
	13.70	.5394		870-1370-13-PM	☆	2.1	.083	8.0	.314	142°
	13.80	.5433		870-1380-13-PM	☆	2.1	.083	8.0	.314	142°
	13.90	.5472		870-1390-13-PM	☆	2.1	.084	8.0	.314	142°
	14.00	.5512	14	870-1400-14-PM	☆	2.1	.083	8.7	.342	142°
	14.10	.5551		870-1410-14-PM	☆	2.2	.084	8.7	.342	142°
	14.20	.5591		870-1420-14-PM	☆	2.2	.085	8.7	.342	142°
	14.29	.5626		870-1429-14-PM	☆	2.2	.085	8.7	.342	142°
	14.30	.5630		870-1430-14-PM	☆	2.2	.085	8.7	.342	142°
	14.40	.5669		870-1440-14-PM	☆	2.2	.086	8.7	.342	142°
	14.50	.5709		870-1450-14-PM	☆	2.2	.087	8.7	.342	142°
	14.60	.5748		870-1460-14-PM	☆	2.2	.087	8.7	.342	142°
	14.70	.5787		870-1470-14-PM	☆	2.3	.088	8.7	.342	142°
	14.80	.5827		870-1480-14-PM	☆	2.3	.089	8.7	.342	142°

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CoroDrill® 870 drill tip

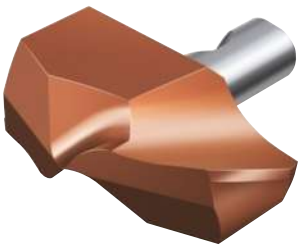


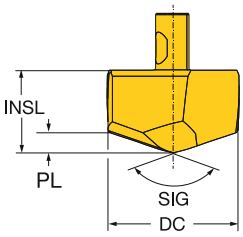


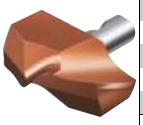
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						Dimensions, mm, inch				
	14.90	.5866	14	870-1490-14-PM	☆	2.3	.089	8.7	.342	142°
	15.00	.5906	15	870-1500-15-PM	☆	2.3	.089	9.3	.366	142°
	15.10	.5945		870-1510-15-PM	☆	2.3	.090	9.3	.366	142°
	15.20	.5984		870-1520-15-PM	☆	2.3	.091	9.3	.366	142°
	15.30	.6024		870-1530-15-PM	☆	2.3	.092	9.3	.366	142°
	15.40	.6063		870-1540-15-PM	☆	2.4	.092	9.3	.366	142°
	15.50	.6102		870-1550-15-PM	☆	2.4	.093	9.3	.366	142°
	15.60	.6142		870-1560-15-PM	☆	2.4	.094	9.3	.366	142°
	15.70	.6181		870-1570-15-PM	☆	2.4	.094	9.3	.366	142°
	15.80	.6220		870-1580-15-PM	☆	2.4	.095	9.3	.366	142°
	15.88	.6252		870-1588-15-PM	☆	2.4	.095	9.3	.366	142°
	15.90	.6260		870-1590-15-PM	☆	2.4	.096	9.3	.366	142°
	16.00	.6299	16	870-1600-16-PM	☆	2.4	.095	10.0	.393	142°
	16.10	.6339		870-1610-16-PM	☆	2.4	.096	10.0	.393	142°
	16.13	.6350		870-1613-16-PM	☆	2.5	.096	10.0	.393	142°
	16.20	.6378		870-1620-16-PM	☆	2.5	.096	10.0	.393	142°
	16.30	.6417		870-1630-16-PM	☆	2.5	.097	10.0	.393	142°
	16.40	.6457		870-1640-16-PM	☆	2.5	.098	10.0	.393	142°
	16.50	.6496		870-1650-16-PM	☆	2.5	.098	10.0	.393	142°
	16.60	.6535		870-1660-16-PM	☆	2.5	.099	10.0	.393	142°
	16.70	.6575		870-1670-16-PM	☆	2.5	.100	10.0	.393	142°
	16.80	.6614		870-1680-16-PM	☆	2.6	.100	10.0	.393	142°
	16.90	.6654		870-1690-16-PM	☆	2.6	.101	10.0	.393	142°
	17.00	.6693	17	870-1700-17-PM	☆	2.6	.101	10.6	.417	142°
	17.10	.6732		870-1710-17-PM	☆	2.6	.101	10.6	.417	142°
	17.20	.6772		870-1720-17-PM	☆	2.6	.102	10.6	.417	142°
	17.30	.6811		870-1730-17-PM	☆	2.6	.103	10.6	.417	142°
	17.40	.6850		870-1740-17-PM	☆	2.7	.104	10.6	.417	142°
	17.46	.6874		870-1746-17-PM	☆	2.7	.104	10.6	.417	142°
	17.50	.6890		870-1750-17-PM	☆	2.7	.104	10.6	.417	142°
	17.60	.6929		870-1760-17-PM	☆	2.7	.105	10.6	.417	142°
	17.70	.6969		870-1770-17-PM	☆	2.7	.106	10.6	.417	142°
	17.80	.7008		870-1780-17-PM	☆	2.7	.106	10.6	.417	142°
	17.90	.7047		870-1790-17-PM	☆	2.7	.107	10.6	.417	142°
	18.00	.7087	18	870-1800-18-PM	☆	2.7	.107	11.3	.444	142°
	18.10	.7126		870-1810-18-PM	☆	2.7	.107	11.3	.444	142°
	18.20	.7165		870-1820-18-PM	☆	2.8	.108	11.3	.444	142°
	18.30	.7205		870-1830-18-PM	☆	2.8	.109	11.3	.444	142°
	18.40	.7244		870-1840-18-PM	☆	2.8	.109	11.3	.444	142°
	18.50	.7283		870-1850-18-PM	☆	2.8	.110	11.3	.444	142°
	18.60	.7323		870-1860-18-PM	☆	2.8	.111	11.3	.444	142°
	18.70	.7362		870-1870-18-PM	☆	2.8	.111	11.3	.444	142°
	18.80	.7402		870-1880-18-PM	☆	2.9	.112	11.3	.444	142°
	18.90	.7441		870-1890-18-PM	☆	2.9	.112	11.3	.444	142°
	19.00	.7480	19	870-1900-19-PM	☆	2.9	.112	11.9	.468	142°
	19.05	.7500		870-1905-19-PM	☆	2.9	.113	11.9	.468	142°
	19.10	.7520		870-1910-19-PM	☆	2.9	.113	11.9	.468	142°
	19.20	.7559		870-1920-19-PM	☆	2.9	.114	11.9	.468	142°
	19.25	.7579		870-1925-19-PM	☆	2.9	.114	11.9	.468	142°
	19.30	.7598		870-1930-19-PM	☆	2.9	.114	11.9	.468	142°
	19.40	.7638		870-1940-19-PM	☆	2.9	.115	11.9	.468	142°

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CoroDrill® 870 drill tip

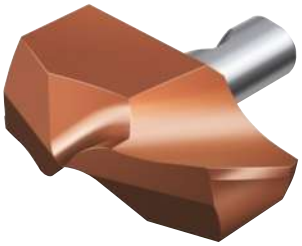


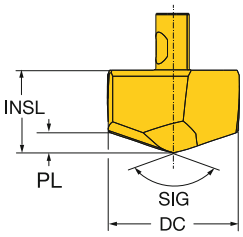


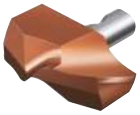
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						Dimensions, mm, inch				
	19.50	.7677	19	870-1950-19-PM	☆	3.0	.116	11.9	.468	142°
	19.60	.7717		870-1960-19-PM	☆	3.0	.116	11.9	.468	142°
	19.70	.7756		870-1970-19-PM	☆	3.0	.117	11.9	.468	142°
	19.80	.7795		870-1980-19-PM	☆	3.0	.118	11.9	.468	142°
	19.90	.7835		870-1990-19-PM	☆	3.0	.118	11.9	.468	142°
	20.00	.7874	20	870-2000-20-PM	☆	3.0	.118	12.5	.492	142°
	20.10	.7913		870-2010-20-PM	☆	3.0	.119	12.5	.492	142°
	20.20	.7953		870-2020-20-PM	☆	3.1	.120	12.5	.492	142°
	20.30	.7992		870-2030-20-PM	☆	3.1	.120	12.5	.492	142°
	20.40	.8032		870-2040-20-PM	☆	3.1	.121	12.5	.492	142°
	20.50	.8071		870-2050-20-PM	☆	3.1	.122	12.5	.492	142°
	20.60	.8110		870-2060-20-PM	☆	3.1	.122	12.5	.492	142°
	20.64	.8126		870-2064-20-PM	☆	3.1	.123	12.5	.492	142°
	20.70	.8150		870-2070-20-PM	☆	3.1	.123	12.5	.492	142°
	20.80	.8189		870-2080-20-PM	☆	3.2	.124	12.5	.492	142°
	20.90	.8228		870-2090-20-PM	☆	3.2	.124	12.5	.492	142°
	21.00	.8268	21	870-2100-21-PM	☆	3.2	.124	13.2	.519	142°
	21.10	.8307		870-2110-21-PM	☆	3.2	.125	13.2	.519	142°
	21.20	.8346		870-2120-21-PM	☆	3.2	.125	13.2	.519	142°
	21.30	.8386		870-2130-21-PM	☆	3.2	.126	13.2	.519	142°
	21.40	.8425		870-2140-21-PM	☆	3.2	.127	13.2	.519	142°
	21.50	.8465		870-2150-21-PM	☆	3.3	.127	13.2	.519	142°
	21.60	.8504		870-2160-21-PM	☆	3.3	.128	13.2	.519	142°
	21.70	.8543		870-2170-21-PM	☆	3.3	.129	13.2	.519	142°
	21.80	.8583		870-2180-21-PM	☆	3.3	.129	13.2	.519	142°
	21.90	.8622		870-2190-21-PM	☆	3.3	.130	13.2	.519	142°
	22.00	.8661	22	870-2200-22-PM	☆	3.3	.130	13.8	.543	142°
	22.10	.8701		870-2210-22-PM	☆	3.3	.131	13.8	.543	142°
	22.20	.8740		870-2220-22-PM	☆	3.4	.131	13.8	.543	142°
	22.23	.8752		870-2223-22-PM	☆	3.4	.131	13.8	.543	142°
	22.30	.8780		870-2230-22-PM	☆	3.4	.132	13.8	.543	142°
	22.40	.8819		870-2240-22-PM	☆	3.4	.133	13.8	.543	142°
	22.50	.8858		870-2250-22-PM	☆	3.4	.133	13.8	.543	142°
	22.60	.8898		870-2260-22-PM	☆	3.4	.134	13.8	.543	142°
	22.70	.8937		870-2270-22-PM	☆	3.4	.135	13.8	.543	142°
	22.80	.8976		870-2280-22-PM	☆	3.5	.135	13.8	.543	142°
	22.90	.9016		870-2290-22-PM	☆	3.5	.136	13.8	.543	142°
	23.00	.9055	23	870-2300-23-PM	☆	3.5	.136	14.5	.570	142°
	23.10	.9094		870-2310-23-PM	☆	3.5	.136	14.5	.570	142°
	23.20	.9134		870-2320-23-PM	☆	3.5	.137	14.5	.570	142°
	23.30	.9173		870-2330-23-PM	☆	3.5	.138	14.5	.570	142°
	23.40	.9213		870-2340-23-PM	☆	3.5	.138	14.5	.570	142°
	23.50	.9252		870-2350-23-PM	☆	3.5	.139	14.5	.570	142°
	23.60	.9291		870-2360-23-PM	☆	3.6	.140	14.5	.570	142°
	23.70	.9331		870-2370-23-PM	☆	3.6	.140	14.5	.570	142°
	23.80	.9370		870-2380-23-PM	☆	3.6	.141	14.5	.570	142°
	23.81	.9374		870-2381-23-PM	☆	3.6	.141	14.5	.570	142°
	23.90	.9409		870-2390-23-PM	☆	3.6	.142	14.5	.570	142°
	24.00	.9449	24	870-2400-24-PM	☆	3.6	.142	15.0	.590	142°
	24.10	.9488		870-2410-24-PM	☆	3.6	.143	15.0	.590	142°
	24.20	.9528		870-2420-24-PM	☆	3.7	.143	15.0	.590	142°

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CoroDrill® 870 drill tip

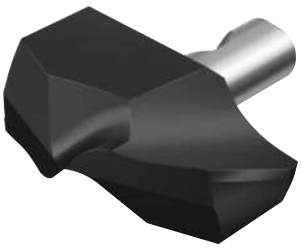


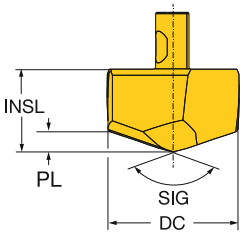


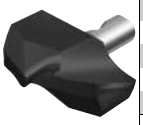
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						Dimensions, mm, inch				
	24.30	.9567	24	870-2430-24-PM	☆	3.7	.144	15.0	.590	142°
	24.40	.9606		870-2440-24-PM	☆	3.7	.145	15.0	.590	142°
	24.50	.9646		870-2450-24-PM	☆	3.7	.145	15.0	.590	142°
	24.60	.9685		870-2460-24-PM	☆	3.7	.146	15.0	.590	142°
	24.70	.9724		870-2470-24-PM	☆	3.7	.147	15.0	.590	142°
	24.80	.9764		870-2480-24-PM	☆	3.8	.147	15.0	.590	142°
	24.90	.9803		870-2490-24-PM	☆	3.8	.148	15.0	.590	142°
	25.00	.9843	25	870-2500-25-PM	☆	3.8	.148	15.7	.618	142°
	25.10	.9882		870-2510-25-PM	☆	3.8	.148	15.7	.618	142°
	25.20	.9921		870-2520-25-PM	☆	3.8	.149	15.7	.618	142°
	25.30	.9961		870-2530-25-PM	☆	3.8	.150	15.7	.618	142°
	25.40	1.0000		870-2540-25-PM	☆	3.8	.150	15.7	.618	142°
	25.50	1.0039		870-2550-25-PM	☆	3.8	.151	15.7	.618	142°
	25.60	1.0079		870-2560-25-PM	☆	3.9	.151	15.7	.618	142°
	25.70	1.0118		870-2570-25-PM	☆	3.9	.152	15.7	.618	142°
	25.80	1.0158		870-2580-25-PM	☆	3.9	.153	15.7	.618	142°
	25.90	1.0197		870-2590-25-PM	☆	3.9	.153	15.7	.618	142°
	26.00	1.0236	26	870-2600-26-PM	☆	3.9	.153	16.4	.645	142°
	26.50	1.0433		870-2650-26-PM	☆	4.0	.157	16.4	.645	142°
	26.65	1.0492		870-2665-26-PM	☆	4.0	.158	16.4	.645	142°
	27.00	1.0630	27	870-2700-27-PM	☆	4.1	.159	17.0	.669	142°
	27.50	1.0827		870-2750-27-PM	☆	4.1	.162	17.0	.669	142°
	28.00	1.1024	28	870-2800-28-PM	☆	4.2	.166	17.6	.692	142°
	28.50	1.1221		870-2850-28-PM	☆	4.3	.169	17.6	.692	142°
	28.58	1.1252		870-2858-28-PM	☆	4.3	.170	17.6	.692	142°
	29.00	1.1417	29	870-2900-29-PM	☆	4.4	.171	18.3	.720	142°
	29.50	1.1614		870-2950-29-PM	☆	4.5	.175	18.3	.720	142°
	29.65	1.1673		870-2965-29-PM	☆	4.5	.176	18.3	.720	142°
	30.00	1.1811	30	870-3000-30-PM	☆	4.5	.177	18.9	.744	142°
	30.50	1.2008		870-3050-30-PM	☆	4.6	.181	18.9	.744	142°
	31.00	1.2205	31	870-3100-31-PM	☆	4.8	.187	19.5	.767	142°
	31.50	1.2402		870-3150-31-PM	☆	4.8	.190	19.5	.767	142°
	31.75	1.2500		870-3175-31-PM	☆	4.9	.191	19.5	.767	142°
	32.00	1.2598		870-3200-31-PM	☆	4.9	.193	19.5	.767	142°
	32.15	1.2658		870-3215-31-PM	☆	5.0	.194	19.5	.767	142°
	32.50	1.2795		870-3250-31-PM	☆	5.0	.196	19.5	.767	142°
	33.00	1.2992		870-3300-31-PM	☆	5.1	.200	19.5	.767	142°

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CoroDrill® 870 drill tip





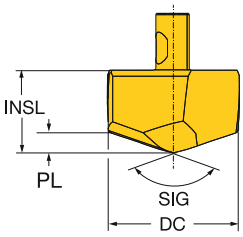


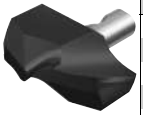
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10.10	.3976		870-1010-6-MM	☆	1.6	.061	6.2	.244	142°
10.20	.4016		870-1020-6-MM	☆	1.6	.061	6.2	.244	142°
10.30	.4055		870-1030-6-MM	☆	1.6	.062	6.2	.244	142°
10.40	.4094		870-1040-6-MM	☆	1.6	.062	6.2	.244	142°
10.50	.4134	7	870-1050-7-MM	☆	1.6	.063	6.2	.244	142°
10.60	.4173		870-1060-7-MM	☆	1.6	.064	6.2	.244	142°
10.70	.4213		870-1070-7-MM	☆	1.7	.064	6.2	.244	142°
10.80	.4252		870-1080-7-MM	☆	1.7	.065	6.2	.244	142°
10.90	.4291		870-1090-7-MM	☆	1.7	.066	6.2	.244	142°
11.00	.4331	8	870-1100-8-MM	☆	1.7	.066	6.9	.271	142°
11.10	.4370		870-1110-8-MM	☆	1.7	.066	6.9	.271	142°
11.11	.4374		870-1111-8-MM	☆	1.7	.066	6.9	.271	142°
11.20	.4409		870-1120-8-MM	☆	1.7	.067	6.9	.271	142°
11.30	.4449		870-1130-8-MM	☆	1.7	.068	6.9	.271	142°
11.40	.4488		870-1140-8-MM	☆	1.8	.068	6.9	.271	142°
11.50	.4528	9	870-1150-9-MM	☆	1.8	.069	6.9	.271	142°
11.60	.4567		870-1160-9-MM	☆	1.8	.070	6.9	.271	142°
11.70	.4606		870-1170-9-MM	☆	1.8	.070	6.9	.271	142°
11.80	.4646		870-1180-9-MM	☆	1.8	.071	6.9	.271	142°
11.90	.4685		870-1190-9-MM	☆	1.8	.072	6.9	.271	142°
12.00	.4724	10	870-1200-10-MM	☆	1.8	.072	7.5	.295	142°
12.10	.4764		870-1210-10-MM	☆	1.9	.072	7.5	.295	142°
12.20	.4803		870-1220-10-MM	☆	1.9	.073	7.5	.295	142°
12.30	.4843		870-1230-10-MM	☆	1.9	.074	7.5	.295	142°
12.40	.4882		870-1240-10-MM	☆	1.9	.074	7.5	.295	142°
12.50	.4921	11	870-1250-11-MM	☆	1.9	.075	7.5	.295	142°
12.60	.4961		870-1260-11-MM	☆	1.9	.075	7.5	.295	142°
12.70	.5000		870-1270-11-MM	☆	2.0	.076	7.5	.295	142°
12.80	.5039		870-1280-11-MM	☆	2.0	.077	7.5	.295	142°
12.90	.5079		870-1290-11-MM	☆	2.0	.077	7.5	.295	142°
13.00	.5118	12	870-1300-12-MM	☆	2.0	.078	8.0	.314	142°
13.10	.5157		870-1310-12-MM	☆	2.0	.079	8.0	.314	142°
13.20	.5197		870-1320-12-MM	☆	2.0	.079	8.0	.314	142°
13.30	.5236		870-1330-12-MM	☆	2.0	.080	8.0	.314	142°
13.40	.5276		870-1340-12-MM	☆	2.1	.081	8.0	.314	142°
13.50	.5315	13	870-1350-13-MM	☆	2.1	.081	8.0	.314	142°
13.60	.5354		870-1360-13-MM	☆	2.1	.082	8.0	.314	142°
13.70	.5394		870-1370-13-MM	☆	2.1	.083	8.0	.314	142°
13.80	.5433		870-1380-13-MM	☆	2.1	.083	8.0	.314	142°
13.90	.5472		870-1390-13-MM	☆	2.1	.084	8.0	.314	142°
14.00	.5512	14	870-1400-14-MM	☆	2.1	.083	8.7	.342	142°
14.10	.5551		870-1410-14-MM	☆	2.2	.084	8.7	.342	142°
14.20	.5591		870-1420-14-MM	☆	2.2	.085	8.7	.342	142°
14.29	.5626		870-1429-14-MM	☆	2.2	.085	8.7	.342	142°
14.30	.5630		870-1430-14-MM	☆	2.2	.085	8.7	.342	142°
14.40	.5669		870-1440-14-MM	☆	2.2	.086	8.7	.342	142°
14.50	.5709		870-1450-14-MM	☆	2.2	.087	8.7	.342	142°
14.60	.5748		870-1460-14-MM	☆	2.2	.087	8.7	.342	142°
14.70	.5787		870-1470-14-MM	☆	2.3	.088	8.7	.342	142°
14.80	.5827		870-1480-14-MM	☆	2.3	.089	8.7	.342	142°

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CoroDrill® 870 drill tip

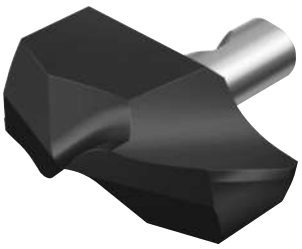


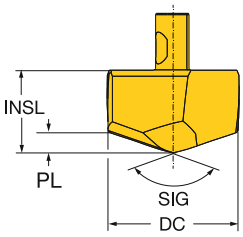


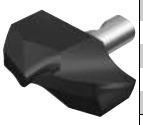
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						Dimensions, mm, inch				
	14.90	.5866	14	870-1490-14-MM	☆	2.3	.089	8.7	.342	142°
	15.00	.5906	15	870-1500-15-MM	☆	2.3	.089	9.3	.366	142°
	15.10	.5945		870-1510-15-MM	☆	2.3	.090	9.3	.366	142°
	15.20	.5984		870-1520-15-MM	☆	2.3	.091	9.3	.366	142°
	15.30	.6024		870-1530-15-MM	☆	2.3	.092	9.3	.366	142°
	15.40	.6063		870-1540-15-MM	☆	2.4	.092	9.3	.366	142°
	15.50	.6102		870-1550-15-MM	☆	2.4	.093	9.3	.366	142°
	15.60	.6142		870-1560-15-MM	☆	2.4	.094	9.3	.366	142°
	15.70	.6181		870-1570-15-MM	☆	2.4	.094	9.3	.366	142°
	15.80	.6220		870-1580-15-MM	☆	2.4	.095	9.3	.366	142°
	15.88	.6252		870-1588-15-MM	☆	2.4	.095	9.3	.366	142°
	15.90	.6260		870-1590-15-MM	☆	2.4	.096	9.3	.366	142°
	16.00	.6299	16	870-1600-16-MM	☆	2.4	.095	10.0	.393	142°
	16.10	.6339		870-1610-16-MM	☆	2.4	.096	10.0	.393	142°
	16.13	.6350		870-1613-16-MM	☆	2.5	.096	10.0	.393	142°
	16.20	.6378		870-1620-16-MM	☆	2.5	.096	10.0	.393	142°
	16.30	.6417		870-1630-16-MM	☆	2.5	.097	10.0	.393	142°
	16.40	.6457		870-1640-16-MM	☆	2.5	.098	10.0	.393	142°
	16.50	.6496		870-1650-16-MM	☆	2.5	.098	10.0	.393	142°
	16.60	.6535		870-1660-16-MM	☆	2.5	.099	10.0	.393	142°
	16.70	.6575		870-1670-16-MM	☆	2.5	.100	10.0	.393	142°
	16.80	.6614		870-1680-16-MM	☆	2.6	.100	10.0	.393	142°
	16.90	.6654		870-1690-16-MM	☆	2.6	.101	10.0	.393	142°
	17.00	.6693	17	870-1700-17-MM	☆	2.6	.101	10.6	.417	142°
	17.10	.6732		870-1710-17-MM	☆	2.6	.101	10.6	.417	142°
	17.20	.6772		870-1720-17-MM	☆	2.6	.102	10.6	.417	142°
	17.30	.6811		870-1730-17-MM	☆	2.6	.103	10.6	.417	142°
	17.40	.6850		870-1740-17-MM	☆	2.7	.104	10.6	.417	142°
	17.46	.6874		870-1746-17-MM	☆	2.7	.104	10.6	.417	142°
	17.50	.6890		870-1750-17-MM	☆	2.7	.104	10.6	.417	142°
	17.60	.6929		870-1760-17-MM	☆	2.7	.105	10.6	.417	142°
	17.70	.6969		870-1770-17-MM	☆	2.7	.106	10.6	.417	142°
	17.80	.7008		870-1780-17-MM	☆	2.7	.106	10.6	.417	142°
	17.90	.7047		870-1790-17-MM	☆	2.7	.107	10.6	.417	142°
	18.00	.7087	18	870-1800-18-MM	☆	2.7	.107	11.3	.444	142°
	18.10	.7126		870-1810-18-MM	☆	2.7	.107	11.3	.444	142°
	18.20	.7165		870-1820-18-MM	☆	2.8	.108	11.3	.444	142°
	18.30	.7205		870-1830-18-MM	☆	2.8	.109	11.3	.444	142°
	18.40	.7244		870-1840-18-MM	☆	2.8	.109	11.3	.444	142°
	18.50	.7283		870-1850-18-MM	☆	2.8	.110	11.3	.444	142°
	18.60	.7323		870-1860-18-MM	☆	2.8	.111	11.3	.444	142°
	18.70	.7362		870-1870-18-MM	☆	2.8	.111	11.3	.444	142°
	18.80	.7402		870-1880-18-MM	☆	2.9	.112	11.3	.444	142°
	18.90	.7441		870-1890-18-MM	☆	2.9	.112	11.3	.444	142°
	19.00	.7480	19	870-1900-19-MM	☆	2.9	.112	11.9	.468	142°
	19.05	.7500		870-1905-19-MM	☆	2.9	.113	11.9	.468	142°
	19.10	.7520		870-1910-19-MM	☆	2.9	.113	11.9	.468	142°
	19.20	.7559		870-1920-19-MM	☆	2.9	.114	11.9	.468	142°
	19.25	.7579		870-1925-19-MM	☆	2.9	.114	11.9	.468	142°
	19.30	.7598		870-1930-19-MM	☆	2.9	.114	11.9	.468	142°
	19.40	.7638		870-1940-19-MM	☆	2.9	.115	11.9	.468	142°

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CoroDrill® 870 drill tip





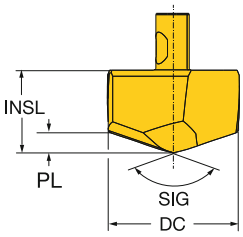


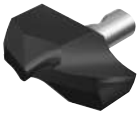
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					Dimensions, mm, inch				
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19.60	.7717		870-1960-19-MM	☆	3.0	.116	11.9	.468	142°
19.70	.7756		870-1970-19-MM	☆	3.0	.117	11.9	.468	142°
19.80	.7795		870-1980-19-MM	☆	3.0	.118	11.9	.468	142°
19.90	.7835		870-1990-19-MM	☆	3.0	.118	11.9	.468	142°
20.00	.7874	20	870-2000-20-MM	☆	3.0	.118	12.5	.492	142°
20.10	.7913		870-2010-20-MM	☆	3.0	.119	12.5	.492	142°
20.20	.7953		870-2020-20-MM	☆	3.1	.120	12.5	.492	142°
20.30	.7992		870-2030-20-MM	☆	3.1	.120	12.5	.492	142°
20.40	.8032		870-2040-20-MM	☆	3.1	.121	12.5	.492	142°
20.50	.8071		870-2050-20-MM	☆	3.1	.122	12.5	.492	142°
20.60	.8110		870-2060-20-MM	☆	3.1	.122	12.5	.492	142°
20.64	.8126		870-2064-20-MM	☆	3.1	.123	12.5	.492	142°
20.70	.8150		870-2070-20-MM	☆	3.1	.123	12.5	.492	142°
20.80	.8189		870-2080-20-MM	☆	3.2	.124	12.5	.492	142°
20.90	.8228		870-2090-20-MM	☆	3.2	.124	12.5	.492	142°
21.00	.8268	21	870-2100-21-MM	☆	3.2	.124	13.2	.519	142°
21.10	.8307		870-2110-21-MM	☆	3.2	.125	13.2	.519	142°
21.20	.8346		870-2120-21-MM	☆	3.2	.125	13.2	.519	142°
21.30	.8386		870-2130-21-MM	☆	3.2	.126	13.2	.519	142°
21.40	.8425		870-2140-21-MM	☆	3.2	.127	13.2	.519	142°
21.50	.8465		870-2150-21-MM	☆	3.3	.127	13.2	.519	142°
21.60	.8504		870-2160-21-MM	☆	3.3	.128	13.2	.519	142°
21.70	.8543		870-2170-21-MM	☆	3.3	.129	13.2	.519	142°
21.80	.8583		870-2180-21-MM	☆	3.3	.129	13.2	.519	142°
21.90	.8622		870-2190-21-MM	☆	3.3	.130	13.2	.519	142°
22.00	.8661	22	870-2200-22-MM	☆	3.3	.130	13.8	.543	142°
22.10	.8701		870-2210-22-MM	☆	3.3	.131	13.8	.543	142°
22.20	.8740		870-2220-22-MM	☆	3.4	.131	13.8	.543	142°
22.23	.8752		870-2223-22-MM	☆	3.4	.131	13.8	.543	142°
22.30	.8780		870-2230-22-MM	☆	3.4	.132	13.8	.543	142°
22.40	.8819		870-2240-22-MM	☆	3.4	.133	13.8	.543	142°
22.50	.8858		870-2250-22-MM	☆	3.4	.133	13.8	.543	142°
22.60	.8898		870-2260-22-MM	☆	3.4	.134	13.8	.543	142°
22.70	.8937		870-2270-22-MM	☆	3.4	.135	13.8	.543	142°
22.80	.8976		870-2280-22-MM	☆	3.5	.135	13.8	.543	142°
22.90	.9016		870-2290-22-MM	☆	3.5	.136	13.8	.543	142°
23.00	.9055	23	870-2300-23-MM	☆	3.5	.136	14.5	.570	142°
23.10	.9094		870-2310-23-MM	☆	3.5	.136	14.5	.570	142°
23.20	.9134		870-2320-23-MM	☆	3.5	.137	14.5	.570	142°
23.30	.9173		870-2330-23-MM	☆	3.5	.138	14.5	.570	142°
23.40	.9213		870-2340-23-MM	☆	3.5	.138	14.5	.570	142°
23.50	.9252		870-2350-23-MM	☆	3.5	.139	14.5	.570	142°
23.60	.9291		870-2360-23-MM	☆	3.6	.140	14.5	.570	142°
23.70	.9331		870-2370-23-MM	☆	3.6	.140	14.5	.570	142°
23.80	.9370		870-2380-23-MM	☆	3.6	.141	14.5	.570	142°
23.81	.9374		870-2381-23-MM	☆	3.6	.141	14.5	.570	142°
23.90	.9409		870-2390-23-MM	☆	3.6	.142	14.5	.570	142°
24.00	.9449	24	870-2400-24-MM	☆	3.6	.142	15.0	.590	142°
24.10	.9488		870-2410-24-MM	☆	3.6	.143	15.0	.590	142°
24.20	.9528		870-2420-24-MM	☆	3.7	.143	15.0	.590	142°

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CoroDrill® 870 drill tip

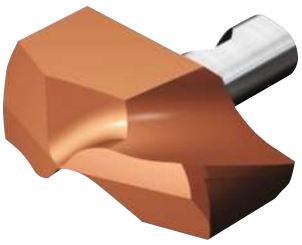


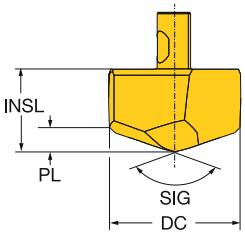


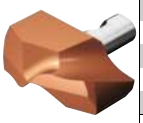
	DC	DC"		Ordering code	M 2234	Dimensions, mm, inch PL	PL"	INSL	INSL"	SIG
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	24.40	.9606		870-2440-24-MM	☆	3.7	.145	15.0	.590	142°
	24.50	.9646		870-2450-24-MM	☆	3.7	.145	15.0	.590	142°
	24.60	.9685		870-2460-24-MM	☆	3.7	.146	15.0	.590	142°
	24.70	.9724		870-2470-24-MM	☆	3.7	.147	15.0	.590	142°
	24.80	.9764		870-2480-24-MM	☆	3.8	.147	15.0	.590	142°
	24.90	.9803		870-2490-24-MM	☆	3.8	.148	15.0	.590	142°
	25.00	.9843	25	870-2500-25-MM	☆	3.8	.148	15.7	.618	142°
	25.10	.9882		870-2510-25-MM	☆	3.8	.148	15.7	.618	142°
	25.20	.9921		870-2520-25-MM	☆	3.8	.149	15.7	.618	142°
	25.30	.9961		870-2530-25-MM	☆	3.8	.150	15.7	.618	142°
	25.40	1.0000		870-2540-25-MM	☆	3.8	.150	15.7	.618	142°
	25.50	1.0039		870-2550-25-MM	☆	3.8	.151	15.7	.618	142°
	25.60	1.0079		870-2560-25-MM	☆	3.9	.151	15.7	.618	142°
	25.70	1.0118		870-2570-25-MM	☆	3.9	.152	15.7	.618	142°
	25.80	1.0158		870-2580-25-MM	☆	3.9	.153	15.7	.618	142°
	25.90	1.0197		870-2590-25-MM	☆	3.9	.153	15.7	.618	142°
	26.00	1.0236	26	870-2600-26-MM	☆	3.9	.153	16.4	.645	142°
	26.50	1.0433		870-2650-26-MM	☆	4.0	.157	16.4	.645	142°
	26.65	1.0492		870-2665-26-MM	☆	4.0	.158	16.4	.645	142°
	27.00	1.0630	27	870-2700-27-MM	☆	4.1	.159	17.0	.669	142°
	27.50	1.0827		870-2750-27-MM	☆	4.1	.162	17.0	.669	142°
	28.00	1.1024	28	870-2800-28-MM	☆	4.2	.166	17.6	.692	142°
	28.50	1.1221		870-2850-28-MM	☆	4.3	.169	17.6	.692	142°
	28.58	1.1252		870-2858-28-MM	☆	4.3	.170	17.6	.692	142°
	29.00	1.1417	29	870-2900-29-MM	☆	4.4	.171	18.3	.720	142°
	29.50	1.1614		870-2950-29-MM	☆	4.5	.175	18.3	.720	142°
	29.65	1.1673		870-2965-29-MM	☆	4.5	.176	18.3	.720	142°
	30.00	1.1811	30	870-3000-30-MM	☆	4.5	.177	18.9	.744	142°
	30.50	1.2008		870-3050-30-MM	☆	4.6	.181	18.9	.744	142°
	31.00	1.2205	31	870-3100-31-MM	☆	4.8	.187	19.5	.767	142°
	31.50	1.2402		870-3150-31-MM	☆	4.8	.190	19.5	.767	142°
	31.75	1.2500		870-3175-31-MM	☆	4.9	.191	19.5	.767	142°
	32.00	1.2598		870-3200-31-MM	☆	4.9	.193	19.5	.767	142°
	32.15	1.2658		870-3215-31-MM	☆	5.0	.194	19.5	.767	142°
	32.50	1.2795		870-3250-31-MM	☆	5.0	.196	19.5	.767	142°
	33.00	1.2992		870-3300-31-MM	☆	5.1	.200	19.5	.767	142°

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CoroDrill® 870 drill tip



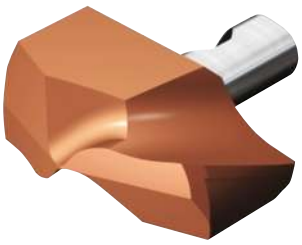


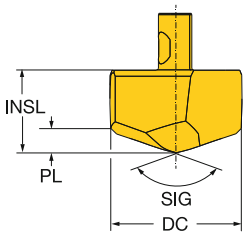
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	10.10	.3976		870-1010-6-KM	☆	1.8	.072	6.2	.244	142°
	10.20	.4016		870-1020-6-KM	☆	1.9	.073	6.2	.244	142°
	10.30	.4055		870-1030-6-KM	☆	1.9	.073	6.2	.244	142°
	10.40	.4094		870-1040-6-KM	☆	1.9	.074	6.2	.244	142°
	10.50	.4134	7	870-1050-7-KM	☆	1.9	.075	6.2	.244	142°
	10.60	.4173		870-1060-7-KM	☆	1.9	.075	6.2	.244	142°
	10.70	.4213		870-1070-7-KM	☆	1.9	.076	6.2	.244	142°
	10.80	.4252		870-1080-7-KM	☆	2.0	.076	6.2	.244	142°
	10.90	.4291		870-1090-7-KM	☆	2.0	.077	6.2	.244	142°
	11.00	.4331	8	870-1100-8-KM	☆	2.0	.077	6.9	.271	142°
	11.10	.4370		870-1110-8-KM	☆	2.0	.077	6.9	.271	142°
	11.11	.4374		870-1111-8-KM	☆	2.0	.077	6.9	.271	142°
	11.20	.4409		870-1120-8-KM	☆	2.0	.078	6.9	.271	142°
	11.30	.4449		870-1130-8-KM	☆	2.0	.079	6.9	.271	142°
	11.40	.4488		870-1140-8-KM	☆	2.0	.079	6.9	.271	142°
	11.50	.4528	9	870-1150-9-KM	☆	2.1	.083	6.9	.271	142°
	11.60	.4567		870-1160-9-KM	☆	2.1	.083	6.9	.271	142°
	11.70	.4606		870-1170-9-KM	☆	2.2	.084	6.9	.271	142°
	11.80	.4646		870-1180-9-KM	☆	2.2	.085	6.9	.271	142°
	11.90	.4685		870-1190-9-KM	☆	2.2	.085	6.9	.271	142°
	12.00	.4724	10	870-1200-10-KM	☆	2.2	.085	7.5	.295	142°
	12.10	.4764		870-1210-10-KM	☆	2.2	.086	7.5	.295	142°
	12.20	.4803		870-1220-10-KM	☆	2.2	.087	7.5	.295	142°
	12.30	.4843		870-1230-10-KM	☆	2.2	.087	7.5	.295	142°
	12.40	.4882		870-1240-10-KM	☆	2.3	.088	7.5	.295	142°
	12.50	.4921	11	870-1250-11-KM	☆	2.3	.089	7.5	.295	142°
	12.60	.4961		870-1260-11-KM	☆	2.3	.089	7.5	.295	142°
	12.70	.5000		870-1270-11-KM	☆	2.3	.090	7.5	.295	142°
	12.80	.5039		870-1280-11-KM	☆	2.3	.091	7.5	.295	142°
	12.90	.5079		870-1290-11-KM	☆	2.3	.092	7.5	.295	142°
	13.00	.5118	12	870-1300-12-KM	☆	2.4	.094	8.0	.314	142°
	13.10	.5157		870-1310-12-KM	☆	2.4	.095	8.0	.314	142°
	13.20	.5197		870-1320-12-KM	☆	2.5	.096	8.0	.314	142°
	13.30	.5236		870-1330-12-KM	☆	2.5	.097	8.0	.314	142°
	13.40	.5276		870-1340-12-KM	☆	2.5	.098	8.0	.314	142°
	13.50	.5315	13	870-1350-13-KM	☆	2.5	.098	8.0	.314	142°
	13.60	.5354		870-1360-13-KM	☆	2.5	.099	8.0	.314	142°
	13.70	.5394		870-1370-13-KM	☆	2.5	.099	8.0	.314	142°
	13.80	.5433		870-1380-13-KM	☆	2.6	.100	8.0	.314	142°
	13.90	.5472		870-1390-13-KM	☆	2.6	.101	8.0	.314	142°
	14.00	.5512	14	870-1400-14-KM	☆	2.6	.100	8.7	.342	142°
	14.10	.5551		870-1410-14-KM	☆	2.6	.101	8.7	.342	142°
	14.20	.5591		870-1420-14-KM	☆	2.6	.101	8.7	.342	142°
	14.29	.5626		870-1429-14-KM	☆	2.6	.102	8.7	.342	142°
	14.30	.5630		870-1430-14-KM	☆	2.6	.102	8.7	.342	142°
	14.40	.5669		870-1440-14-KM	☆	2.6	.103	8.7	.342	142°
	14.50	.5709		870-1450-14-KM	☆	2.6	.103	8.7	.342	142°
	14.60	.5748		870-1460-14-KM	☆	2.7	.104	8.7	.342	142°
	14.70	.5787		870-1470-14-KM	☆	2.7	.105	8.7	.342	142°
	14.80	.5827		870-1480-14-KM	☆	2.7	.105	8.7	.342	142°

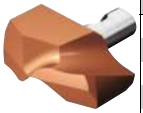
Q5 K170 K254 Q1 Q29

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CoroDrill® 870 drill tip



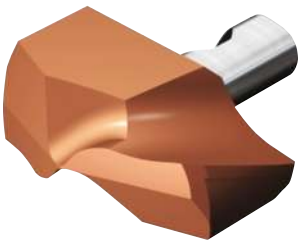


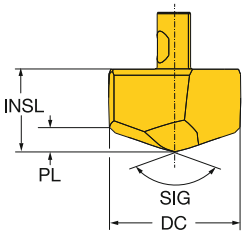


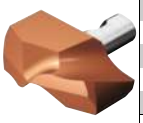
DC	DC"		Ordering code	K 3234	Dimensions, mm, inch PL	PL"	INSL	INSL"	SIG
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15.00	.5906	15	870-1500-15-KM	☆	2.8	.109	9.3	.366	142°
15.10	.5945		870-1510-15-KM	☆	2.8	.110	9.3	.366	142°
15.20	.5984		870-1520-15-KM	☆	2.8	.111	9.3	.366	142°
15.30	.6024		870-1530-15-KM	☆	2.8	.111	9.3	.366	142°
15.40	.6063		870-1540-15-KM	☆	2.9	.112	9.3	.366	142°
15.50	.6102		870-1550-15-KM	☆	2.9	.112	9.3	.366	142°
15.60	.6142		870-1560-15-KM	☆	2.9	.113	9.3	.366	142°
15.70	.6181		870-1570-15-KM	☆	2.9	.114	9.3	.366	142°
15.80	.6220		870-1580-15-KM	☆	2.9	.114	9.3	.366	142°
15.88	.6252		870-1588-15-KM	☆	2.9	.115	9.3	.366	142°
15.90	.6260		870-1590-15-KM	☆	2.9	.115	9.3	.366	142°
16.00	.6299	16	870-1600-16-KM	☆	3.0	.118	10.0	.393	142°
16.10	.6339		870-1610-16-KM	☆	3.0	.118	10.0	.393	142°
16.13	.6350		870-1613-16-KM	☆	3.0	.118	10.0	.393	142°
16.20	.6378		870-1620-16-KM	☆	3.0	.119	10.0	.393	142°
16.30	.6417		870-1630-16-KM	☆	3.1	.120	10.0	.393	142°
16.40	.6457		870-1640-16-KM	☆	3.1	.120	10.0	.393	142°
16.50	.6496		870-1650-16-KM	☆	3.1	.121	10.0	.393	142°
16.60	.6535		870-1660-16-KM	☆	3.1	.122	10.0	.393	142°
16.70	.6575		870-1670-16-KM	☆	3.1	.122	10.0	.393	142°
16.80	.6614		870-1680-16-KM	☆	3.1	.123	10.0	.393	142°
16.90	.6654		870-1690-16-KM	☆	3.2	.124	10.0	.393	142°
17.00	.6693	17	870-1700-17-KM	☆	3.2	.126	10.6	.417	142°
17.10	.6732		870-1710-17-KM	☆	3.2	.127	10.6	.417	142°
17.20	.6772		870-1720-17-KM	☆	3.3	.128	10.6	.417	142°
17.30	.6811		870-1730-17-KM	☆	3.3	.128	10.6	.417	142°
17.40	.6850		870-1740-17-KM	☆	3.3	.129	10.6	.417	142°
17.46	.6874		870-1746-17-KM	☆	3.3	.129	10.6	.417	142°
17.50	.6890		870-1750-17-KM	☆	3.3	.129	10.6	.417	142°
17.60	.6929		870-1760-17-KM	☆	3.3	.130	10.6	.417	142°
17.70	.6969		870-1770-17-KM	☆	3.3	.131	10.6	.417	142°
17.80	.7008		870-1780-17-KM	☆	3.4	.132	10.6	.417	142°
17.90	.7047		870-1790-17-KM	☆	3.4	.132	10.6	.417	142°
18.00	.7087	18	870-1800-18-KM	☆	3.4	.132	11.3	.444	142°
18.10	.7126		870-1810-18-KM	☆	3.4	.133	11.3	.444	142°
18.20	.7165		870-1820-18-KM	☆	3.4	.133	11.3	.444	142°
18.30	.7205		870-1830-18-KM	☆	3.4	.134	11.3	.444	142°
18.40	.7244		870-1840-18-KM	☆	3.4	.135	11.3	.444	142°
18.50	.7283		870-1850-18-KM	☆	3.5	.135	11.3	.444	142°
18.60	.7323		870-1860-18-KM	☆	3.5	.136	11.3	.444	142°
18.70	.7362		870-1870-18-KM	☆	3.5	.137	11.3	.444	142°
18.80	.7402		870-1880-18-KM	☆	3.5	.137	11.3	.444	142°
18.90	.7441		870-1890-18-KM	☆	3.5	.138	11.3	.444	142°
19.00	.7480	19	870-1900-19-KM	☆	3.6	.141	11.9	.468	142°
19.05	.7500		870-1905-19-KM	☆	3.6	.141	11.9	.468	142°
19.10	.7520		870-1910-19-KM	☆	3.6	.141	11.9	.468	142°
19.20	.7559		870-1920-19-KM	☆	3.6	.142	11.9	.468	142°
19.25	.7579		870-1925-19-KM	☆	3.6	.142	11.9	.468	142°
19.30	.7598		870-1930-19-KM	☆	3.6	.143	11.9	.468	142°
19.40	.7638		870-1940-19-KM	☆	3.7	.144	11.9	.468	142°

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CoroDrill® 870 drill tip

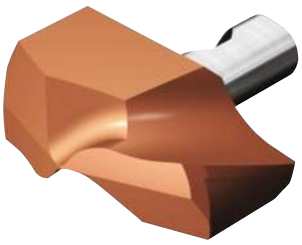


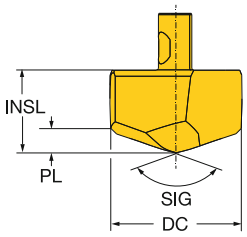


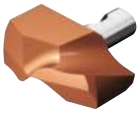
	DC	DC"		Ordering code	K 3234	Dimensions, mm, inch PL	PL"	INSL	INSL"	SIG
	19.50	.7677	19	870-1950-19-KM	☆	3.7	.144	11.9	.468	142°
	19.60	.7717		870-1960-19-KM	☆	3.7	.145	11.9	.468	142°
	19.70	.7756		870-1970-19-KM	☆	3.7	.146	11.9	.468	142°
	19.80	.7795		870-1980-19-KM	☆	3.7	.146	11.9	.468	142°
	19.90	.7835		870-1990-19-KM	☆	3.7	.147	11.9	.468	142°
	20.00	.7874	20	870-2000-20-KM	☆	3.8	.150	12.5	.492	142°
	20.10	.7913		870-2010-20-KM	☆	3.8	.151	12.5	.492	142°
	20.20	.7953		870-2020-20-KM	☆	3.9	.151	12.5	.492	142°
	20.30	.7992		870-2030-20-KM	☆	3.9	.152	12.5	.492	142°
	20.40	.8032		870-2040-20-KM	☆	3.9	.153	12.5	.492	142°
	20.50	.8071		870-2050-20-KM	☆	3.9	.153	12.5	.492	142°
	20.60	.8110		870-2060-20-KM	☆	3.9	.154	12.5	.492	142°
	20.64	.8126		870-2064-20-KM	☆	3.9	.154	12.5	.492	142°
	20.70	.8150		870-2070-20-KM	☆	3.9	.155	12.5	.492	142°
	20.80	.8189		870-2080-20-KM	☆	4.0	.155	12.5	.492	142°
	20.90	.8228		870-2090-20-KM	☆	4.0	.156	12.5	.492	142°
	21.00	.8268	21	870-2100-21-KM	☆	4.0	.155	13.2	.519	142°
	21.10	.8307		870-2110-21-KM	☆	4.0	.156	13.2	.519	142°
	21.20	.8346		870-2120-21-KM	☆	4.0	.157	13.2	.519	142°
	21.30	.8386		870-2130-21-KM	☆	4.0	.157	13.2	.519	142°
	21.40	.8425		870-2140-21-KM	☆	4.0	.158	13.2	.519	142°
	21.50	.8465		870-2150-21-KM	☆	4.0	.159	13.2	.519	142°
	21.60	.8504		870-2160-21-KM	☆	4.1	.159	13.2	.519	142°
	21.70	.8543		870-2170-21-KM	☆	4.1	.160	13.2	.519	142°
	21.80	.8583		870-2180-21-KM	☆	4.1	.161	13.2	.519	142°
	21.90	.8622		870-2190-21-KM	☆	4.1	.161	13.2	.519	142°
	22.00	.8661	22	870-2200-22-KM	☆	4.2	.164	13.8	.543	142°
	22.10	.8701		870-2210-22-KM	☆	4.2	.164	13.8	.543	142°
	22.20	.8740		870-2220-22-KM	☆	4.2	.165	13.8	.543	142°
	22.23	.8752		870-2223-22-KM	☆	4.2	.165	13.8	.543	142°
	22.30	.8780		870-2230-22-KM	☆	4.2	.166	13.8	.543	142°
	22.40	.8819		870-2240-22-KM	☆	4.2	.166	13.8	.543	142°
	22.50	.8858		870-2250-22-KM	☆	4.3	.168	13.8	.543	142°
	22.60	.8898		870-2260-22-KM	☆	4.3	.168	13.8	.543	142°
	22.70	.8937		870-2270-22-KM	☆	4.3	.168	13.8	.543	142°
	22.80	.8976		870-2280-22-KM	☆	4.3	.169	13.8	.543	142°
	22.90	.9016		870-2290-22-KM	☆	4.3	.170	13.8	.543	142°
	23.00	.9055	23	870-2300-23-KM	☆	4.4	.173	14.5	.570	142°
	23.10	.9094		870-2310-23-KM	☆	4.4	.173	14.5	.570	142°
	23.20	.9134		870-2320-23-KM	☆	4.4	.174	14.5	.570	142°
	23.30	.9173		870-2330-23-KM	☆	4.5	.175	14.5	.570	142°
	23.40	.9213		870-2340-23-KM	☆	4.5	.175	14.5	.570	142°
	23.50	.9252		870-2350-23-KM	☆	4.5	.176	14.5	.570	142°
	23.60	.9291		870-2360-23-KM	☆	4.5	.177	14.5	.570	142°
	23.70	.9331		870-2370-23-KM	☆	4.5	.177	14.5	.570	142°
	23.80	.9370		870-2380-23-KM	☆	4.5	.178	14.5	.570	142°
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	23.90	.9409		870-2390-23-KM	☆	4.6	.179	14.5	.570	142°
	24.00	.9449	24	870-2400-24-KM	☆	4.6	.182	15.0	.590	142°
	24.10	.9488		870-2410-24-KM	☆	4.7	.183	15.0	.590	142°
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CoroDrill® 870 drill tip



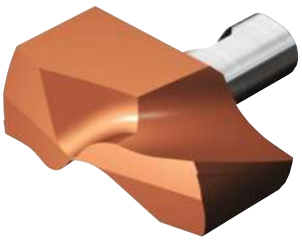


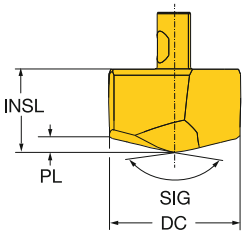
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	24.50	.9646		870-2450-24-KM	☆	4.7	.185	15.0	.590	142°
	24.60	.9685		870-2460-24-KM	☆	4.7	.186	15.0	.590	142°
	24.70	.9724		870-2470-24-KM	☆	4.8	.187	15.0	.590	142°
	24.80	.9764		870-2480-24-KM	☆	4.8	.187	15.0	.590	142°
	24.90	.9803		870-2490-24-KM	☆	4.8	.188	15.0	.590	142°
	25.00	.9843	25	870-2500-25-KM	☆	4.8	.187	15.7	.618	142°
	25.10	.9882		870-2510-25-KM	☆	4.8	.188	15.7	.618	142°
	25.20	.9921		870-2520-25-KM	☆	4.8	.188	15.7	.618	142°
	25.30	.9961		870-2530-25-KM	☆	4.8	.189	15.7	.618	142°
	25.40	1.0000		870-2540-25-KM	☆	4.8	.190	15.7	.618	142°
	25.50	1.0039		870-2550-25-KM	☆	4.9	.190	15.7	.618	142°
	25.60	1.0079		870-2560-25-KM	☆	4.9	.191	15.7	.618	142°
	25.70	1.0118		870-2570-25-KM	☆	4.9	.192	15.7	.618	142°
	25.80	1.0158		870-2580-25-KM	☆	4.9	.192	15.7	.618	142°
	25.90	1.0197		870-2590-25-KM	☆	4.9	.193	15.7	.618	142°
	26.00	1.0236	26	870-2600-26-KM	☆	5.0	.196	16.4	.645	142°
	26.50	1.0433		870-2650-26-KM	☆	5.1	.199	16.4	.645	142°
	26.65	1.0492		870-2665-26-KM	☆	5.1	.201	16.4	.645	142°
	27.00	1.0630	27	870-2700-27-KM	☆	5.2	.205	17.0	.669	142°
	27.50	1.0827		870-2750-27-KM	☆	5.3	.208	17.0	.669	142°
	28.00	1.1024	28	870-2800-28-KM	☆	5.4	.211	17.6	.692	142°
	28.50	1.1221		870-2850-28-KM	☆	5.5	.214	17.6	.692	142°
	28.58	1.1252		870-2858-28-KM	☆	5.5	.215	17.6	.692	142°
	29.00	1.1417	29	870-2900-29-KM	☆	5.6	.220	18.3	.720	142°
	29.50	1.1614		870-2950-29-KM	☆	5.7	.223	18.3	.720	142°
	29.65	1.1673		870-2965-29-KM	☆	5.7	.224	18.3	.720	142°
	30.00	1.1811	30	870-3000-30-KM	☆	5.8	.228	18.9	.744	142°
	30.50	1.2008		870-3050-30-KM	☆	5.9	.232	18.9	.744	142°
	31.00	1.2205	31	870-3100-31-KM	☆	6.1	.240	19.5	.767	142°
	31.50	1.2402		870-3150-31-KM	☆	6.2	.243	19.5	.767	142°
	31.75	1.2500		870-3175-31-KM	☆	6.2	.245	19.5	.767	142°
	32.00	1.2598		870-3200-31-KM	☆	6.3	.246	19.5	.767	142°
	32.15	1.2658		870-3215-31-KM	☆	6.3	.249	19.5	.767	142°
	32.50	1.2795		870-3250-31-KM	☆	6.4	.251	19.5	.767	142°
	33.00	1.2992		870-3300-31-KM	☆	6.5	.256	19.5	.767	142°

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CoroDrill® 870 drill tip

For pilot holes





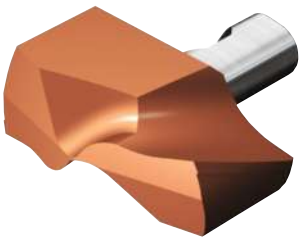
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	10.30	.4055		870-1030-6-GP	☆	☆	☆	1.1	.044	5.7	.224	152°
	10.40	.4094		870-1040-6-GP	☆	☆	☆	1.1	.044	5.7	.224	152°
	10.50	.4134	7	870-1050-7-GP	☆	☆	☆	1.2	.045	5.7	.224	152°
	10.60	.4173		870-1060-7-GP	☆	☆	☆	1.2	.045	5.7	.224	152°
	10.70	.4213		870-1070-7-GP	☆	☆	☆	1.2	.045	5.7	.224	152°
	10.80	.4252		870-1080-7-GP	☆	☆	☆	1.2	.046	5.7	.224	152°
	10.90	.4291		870-1090-7-GP	☆	☆	☆	1.2	.046	5.7	.224	152°
	11.00	.4331	8	870-1100-8-GP	☆	☆	☆	1.2	.046	6.4	.251	152°
	11.10	.4370		870-1110-8-GP	☆	☆	☆	1.2	.046	6.4	.251	152°
	11.11	.4374		870-1111-8-GP	☆	☆	☆	1.2	.047	6.4	.251	152°
	11.20	.4409		870-1120-8-GP	☆	☆	☆	1.2	.047	6.4	.251	152°
	11.30	.4449		870-1130-8-GP	☆	☆	☆	1.2	.048	6.4	.251	152°
	11.40	.4488		870-1140-8-GP	☆	☆	☆	1.2	.048	6.4	.251	152°
	11.50	.4528	9	870-1150-9-GP	☆	☆	☆	1.2	.048	6.4	.251	152°
	11.60	.4567		870-1160-9-GP	☆	☆	☆	1.3	.049	6.4	.251	152°
	11.70	.4606		870-1170-9-GP	☆	☆	☆	1.3	.049	6.4	.251	152°
	11.80	.4646		870-1180-9-GP	☆	☆	☆	1.3	.050	6.4	.251	152°
	11.90	.4685		870-1190-9-GP	☆	☆	☆	1.3	.050	6.4	.251	152°
	12.00	.4724	10	870-1200-10-GP	☆	☆	☆	1.3	.050	7.0	.275	152°
	12.10	.4764		870-1210-10-GP	☆	☆	☆	1.3	.051	7.0	.275	152°
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	12.30	.4843		870-1230-10-GP	☆	☆	☆	1.3	.051	7.0	.275	152°
	12.40	.4882		870-1240-10-GP	☆	☆	☆	1.3	.052	7.0	.275	152°
	12.50	.4921	11	870-1250-11-GP	☆	☆	☆	1.3	.052	7.0	.275	152°
	12.60	.4961		870-1260-11-GP	☆	☆	☆	1.4	.053	7.0	.275	152°
	12.70	.5000		870-1270-11-GP	☆	☆	☆	1.4	.053	7.0	.275	152°
	12.80	.5039		870-1280-11-GP	☆	☆	☆	1.4	.054	7.0	.275	152°
	12.90	.5079		870-1290-11-GP	☆	☆	☆	1.4	.054	7.0	.275	152°
	13.00	.5118	12	870-1300-12-GP	☆	☆	☆	1.4	.055	7.5	.295	152°
	13.10	.5157		870-1310-12-GP	☆	☆	☆	1.4	.055	7.5	.295	152°
	13.20	.5197		870-1320-12-GP	☆	☆	☆	1.4	.055	7.5	.295	152°
	13.30	.5236		870-1330-12-GP	☆	☆	☆	1.4	.056	7.5	.295	152°
	13.40	.5276		870-1340-12-GP	☆	☆	☆	1.4	.056	7.5	.295	152°
	13.50	.5315	13	870-1350-13-GP	☆	☆	☆	1.5	.057	7.5	.295	152°
	13.60	.5354		870-1360-13-GP	☆	☆	☆	1.5	.057	7.5	.295	152°
	13.70	.5394		870-1370-13-GP	☆	☆	☆	1.5	.057	7.5	.295	152°
	13.80	.5433		870-1380-13-GP	☆	☆	☆	1.5	.058	7.5	.295	152°
	13.90	.5472		870-1390-13-GP	☆	☆	☆	1.5	.058	7.5	.295	152°
	14.00	.5512	14	870-1400-14-GP	☆	☆	☆	1.5	.058	8.2	.322	152°
	14.10	.5551		870-1410-14-GP	☆	☆	☆	1.5	.059	8.2	.322	152°
	14.20	.5591		870-1420-14-GP	☆	☆	☆	1.5	.059	8.2	.322	152°
	14.29	.5626		870-1429-14-GP	☆	☆	☆	1.5	.059	8.2	.322	152°
	14.30	.5630		870-1430-14-GP	☆	☆	☆	1.5	.060	8.2	.322	152°
	14.40	.5669		870-1440-14-GP	☆	☆	☆	1.5	.060	8.2	.322	152°
	14.50	.5709		870-1450-14-GP	☆	☆	☆	1.6	.061	8.2	.322	152°
	14.60	.5748		870-1460-14-GP	☆	☆	☆	1.6	.061	8.2	.322	152°
	14.70	.5787		870-1470-14-GP	☆	☆	☆	1.6	.061	8.2	.322	152°
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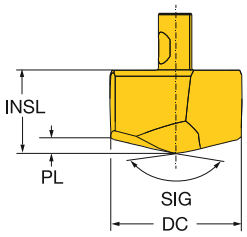
Q5 K170 K254 Q1 Q29

SANDVIK Coromant

CoroDrill® 870 drill tip

For pilot holes



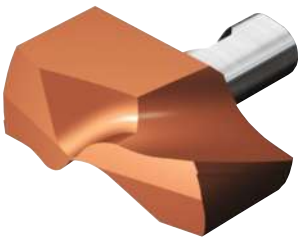


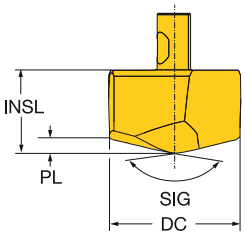
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	15.10	.5945		870-1510-15-GP	☆	☆	☆	1.6	.062	8.8	.346	152°
	15.20	.5984		870-1520-15-GP	☆	☆	☆	1.6	.063	8.8	.346	152°
	15.30	.6024		870-1530-15-GP	☆	☆	☆	1.6	.064	8.8	.346	152°
	15.40	.6063		870-1540-15-GP	☆	☆	☆	1.6	.064	8.8	.346	152°
	15.50	.6102		870-1550-15-GP	☆	☆	☆	1.7	.064	8.8	.346	152°
	15.60	.6142		870-1560-15-GP	☆	☆	☆	1.7	.065	8.8	.346	152°
	15.70	.6181		870-1570-15-GP	☆	☆	☆	1.7	.065	8.8	.346	152°
	15.80	.6220		870-1580-15-GP	☆	☆	☆	1.7	.065	8.8	.346	152°
	15.88	.6252		870-1588-15-GP	☆	☆	☆	1.7	.066	8.8	.346	152°
	15.90	.6260		870-1590-15-GP	☆	☆	☆	1.7	.066	8.8	.346	152°
	16.00	.6299	16	870-1600-16-GP	☆	☆	☆	1.7	.066	9.5	.374	152°
	16.10	.6339		870-1610-16-GP	☆	☆	☆	1.7	.066	9.5	.374	152°
	16.13	.6350		870-1613-16-GP	☆	☆	☆	1.7	.067	9.5	.374	152°
	16.20	.6378		870-1620-16-GP	☆	☆	☆	1.7	.067	9.5	.374	152°
	16.30	.6417		870-1630-16-GP	☆	☆	☆	1.7	.068	9.5	.374	152°
	16.40	.6457		870-1640-16-GP	☆	☆	☆	1.7	.068	9.5	.374	152°
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	16.60	.6535		870-1660-16-GP	☆	☆	☆	1.8	.069	9.5	.374	152°
	16.70	.6575		870-1670-16-GP	☆	☆	☆	1.8	.069	9.5	.374	152°
	16.80	.6614		870-1680-16-GP	☆	☆	☆	1.8	.069	9.5	.374	152°
	16.90	.6654		870-1690-16-GP	☆	☆	☆	1.8	.070	9.5	.374	152°
	17.00	.6693	17	870-1700-17-GP	☆	☆	☆	1.8	.070	10.0	.393	152°
	17.10	.6732		870-1710-17-GP	☆	☆	☆	1.8	.070	10.0	.393	152°
	17.20	.6772		870-1720-17-GP	☆	☆	☆	1.8	.071	10.0	.393	152°
	17.30	.6811		870-1730-17-GP	☆	☆	☆	1.8	.071	10.0	.393	152°
	17.40	.6850		870-1740-17-GP	☆	☆	☆	1.8	.072	10.0	.393	152°
	17.46	.6874		870-1746-17-GP	☆	☆	☆	1.8	.072	10.0	.393	152°
	17.50	.6890		870-1750-17-GP	☆	☆	☆	1.9	.072	10.0	.393	152°
	17.60	.6929		870-1760-17-GP	☆	☆	☆	1.9	.073	10.0	.393	152°
	17.70	.6969		870-1770-17-GP	☆	☆	☆	1.9	.073	10.0	.393	152°
	17.80	.7008		870-1780-17-GP	☆	☆	☆	1.9	.074	10.0	.393	152°
	17.90	.7047		870-1790-17-GP	☆	☆	☆	1.9	.074	10.0	.393	152°
	18.00	.7087	18	870-1800-18-GP	☆	☆	☆	1.9	.074	10.7	.421	152°
	18.10	.7126		870-1810-18-GP	☆	☆	☆	1.9	.074	10.7	.421	152°
	18.20	.7165		870-1820-18-GP	☆	☆	☆	1.9	.075	10.7	.421	152°
	18.30	.7205		870-1830-18-GP	☆	☆	☆	1.9	.075	10.7	.421	152°
	18.40	.7244		870-1840-18-GP	☆	☆	☆	1.9	.075	10.7	.421	152°
	18.50	.7283		870-1850-18-GP	☆	☆	☆	1.9	.076	10.7	.421	152°
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	18.70	.7362		870-1870-18-GP	☆	☆	☆	2.0	.077	10.7	.421	152°
	18.80	.7402		870-1880-18-GP	☆	☆	☆	2.0	.077	10.7	.421	152°
	18.90	.7441		870-1890-18-GP	☆	☆	☆	2.0	.077	10.7	.421	152°
	19.00	.7480	19	870-1900-19-GP	☆	☆	☆	2.0	.078	11.2	.440	152°
	19.05	.7500		870-1905-19-GP	☆	☆	☆	2.0	.078	11.2	.440	152°
	19.10	.7520		870-1910-19-GP	☆	☆	☆	2.0	.078	11.2	.440	152°
	19.20	.7559		870-1920-19-GP	☆	☆	☆	2.0	.079	11.2	.440	152°
	19.25	.7579		870-1925-19-GP	☆	☆	☆	2.0	.079	11.2	.440	152°
	19.30	.7598		870-1930-19-GP	☆	☆	☆	2.0	.079	11.2	.440	152°
	19.40	.7638		870-1940-19-GP	☆	☆	☆	2.0	.080	11.2	.440	152°

Q5 K170 K254 Q1 Q29

CoroDrill® 870 drill tip

For pilot holes



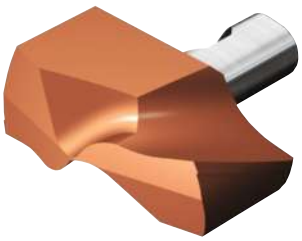


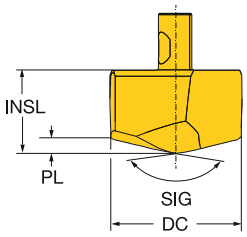
	DC	DC"		Ordering code	P 4234	M 4234	K 4234	PL	PL"	INSL	INSL"	SIG
					Dimensions, mm, inch							
	19.50	.7677	19	870-1950-19-GP	☆	☆	☆	2.1	.080	11.2	.440	152°
	19.60	.7717		870-1960-19-GP	☆	☆	☆	2.1	.081	11.2	.440	152°
	19.70	.7756		870-1970-19-GP	☆	☆	☆	2.1	.081	11.2	.440	152°
	19.80	.7795		870-1980-19-GP	☆	☆	☆	2.1	.081	11.2	.440	152°
	19.90	.7835		870-1990-19-GP	☆	☆	☆	2.1	.081	11.2	.440	152°
	20.00	.7874	20	870-2000-20-GP	☆	☆	☆	2.1	.082	11.8	.464	152°
	20.10	.7913		870-2010-20-GP	☆	☆	☆	2.1	.082	11.8	.464	152°
	20.20	.7953		870-2020-20-GP	☆	☆	☆	2.1	.083	11.8	.464	152°
	20.30	.7992		870-2030-20-GP	☆	☆	☆	2.1	.083	11.8	.464	152°
	20.40	.8032		870-2040-20-GP	☆	☆	☆	2.1	.084	11.8	.464	152°
	20.50	.8071		870-2050-20-GP	☆	☆	☆	2.2	.084	11.8	.464	152°
	20.60	.8110		870-2060-20-GP	☆	☆	☆	2.2	.084	11.8	.464	152°
	20.64	.8126		870-2064-20-GP	☆	☆	☆	2.2	.085	11.8	.464	152°
	20.70	.8150		870-2070-20-GP	☆	☆	☆	2.2	.085	11.8	.464	152°
	20.80	.8189		870-2080-20-GP	☆	☆	☆	2.2	.085	11.8	.464	152°
	20.90	.8228		870-2090-20-GP	☆	☆	☆	2.2	.086	11.8	.464	152°
	21.00	.8268	21	870-2100-21-GP	☆	☆	☆	2.2	.086	12.5	.492	152°
	21.10	.8307		870-2110-21-GP	☆	☆	☆	2.2	.086	12.5	.492	152°
	21.20	.8346		870-2120-21-GP	☆	☆	☆	2.2	.087	12.5	.492	152°
	21.30	.8386		870-2130-21-GP	☆	☆	☆	2.2	.087	12.5	.492	152°
	21.40	.8425		870-2140-21-GP	☆	☆	☆	2.2	.087	12.5	.492	152°
	21.50	.8465		870-2150-21-GP	☆	☆	☆	2.2	.088	12.5	.492	152°
	21.60	.8504		870-2160-21-GP	☆	☆	☆	2.3	.088	12.5	.492	152°
	21.70	.8543		870-2170-21-GP	☆	☆	☆	2.3	.088	12.5	.492	152°
	21.80	.8583		870-2180-21-GP	☆	☆	☆	2.3	.089	12.5	.492	152°
	21.90	.8622		870-2190-21-GP	☆	☆	☆	2.3	.089	12.5	.492	152°
	22.00	.8661	22	870-2200-22-GP	☆	☆	☆	2.3	.090	13.1	.515	152°
	22.10	.8701		870-2210-22-GP	☆	☆	☆	2.3	.090	13.1	.515	152°
	22.20	.8740		870-2220-22-GP	☆	☆	☆	2.3	.090	13.1	.515	152°
	22.23	.8752		870-2223-22-GP	☆	☆	☆	2.3	.091	13.1	.515	152°
	22.30	.8780		870-2230-22-GP	☆	☆	☆	2.3	.091	13.1	.515	152°
	22.40	.8819		870-2240-22-GP	☆	☆	☆	2.3	.092	13.1	.515	152°
	22.50	.8858		870-2250-22-GP	☆	☆	☆	2.4	.092	13.1	.515	152°
	22.60	.8898		870-2260-22-GP	☆	☆	☆	2.4	.092	13.1	.515	152°
	22.70	.8937		870-2270-22-GP	☆	☆	☆	2.4	.092	13.1	.515	152°
	22.80	.8976		870-2280-22-GP	☆	☆	☆	2.4	.093	13.1	.515	152°
	22.90	.9016		870-2290-22-GP	☆	☆	☆	2.4	.093	13.1	.515	152°
	23.00	.9055	23	870-2300-23-GP	☆	☆	☆	2.4	.093	13.8	.543	152°
	23.10	.9094		870-2310-23-GP	☆	☆	☆	2.4	.094	13.8	.543	152°
	23.20	.9134		870-2320-23-GP	☆	☆	☆	2.4	.094	13.8	.543	152°
	23.30	.9173		870-2330-23-GP	☆	☆	☆	2.4	.095	13.8	.543	152°
	23.40	.9213		870-2340-23-GP	☆	☆	☆	2.4	.095	13.8	.543	152°
	23.50	.9252		870-2350-23-GP	☆	☆	☆	2.4	.096	13.8	.543	152°
	23.60	.9291		870-2360-23-GP	☆	☆	☆	2.4	.096	13.8	.543	152°
	23.70	.9331		870-2370-23-GP	☆	☆	☆	2.5	.096	13.8	.543	152°
	23.80	.9370		870-2380-23-GP	☆	☆	☆	2.5	.096	13.8	.543	152°
	23.81	.9374		870-2381-23-GP	☆	☆	☆	2.5	.097	13.8	.543	152°
	23.90	.9409		870-2390-23-GP	☆	☆	☆	2.5	.097	13.8	.543	152°
	24.00	.9449	24	870-2400-24-GP	☆	☆	☆	2.5	.098	14.3	.562	152°
	24.10	.9488		870-2410-24-GP	☆	☆	☆	2.5	.098	14.3	.562	152°
	24.20	.9528		870-2420-24-GP	☆	☆	☆	2.5	.099	14.3	.562	152°

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CoroDrill® 870 drill tip

For pilot holes





	DC	DC"		Ordering code	P 4234	M 4234	K 4234	Dimensions, mm, inch PL	PL"	INSL	INSL"	SIG
	24.30	.9567	24	870-2430-24-GP	☆	☆	☆	2.5	.100	14.3	.562	152°
	24.40	.9606		870-2440-24-GP	☆	☆	☆	2.6	.100	14.3	.562	152°
	24.50	.9646		870-2450-24-GP	☆	☆	☆	2.6	.100	14.3	.562	152°
	24.60	.9685		870-2460-24-GP	☆	☆	☆	2.6	.101	14.3	.562	152°
	24.70	.9724		870-2470-24-GP	☆	☆	☆	2.6	.101	14.3	.562	152°
	24.80	.9764		870-2480-24-GP	☆	☆	☆	2.6	.102	14.3	.562	152°
	24.90	.9803		870-2490-24-GP	☆	☆	☆	2.6	.103	14.3	.562	152°
	25.00	.9843	25	870-2500-25-GP	☆	☆	☆	2.6	.103	14.9	.586	152°
	25.10	.9882		870-2510-25-GP	☆	☆	☆	2.7	.104	14.9	.586	152°
	25.20	.9921		870-2520-25-GP	☆	☆	☆	2.7	.105	14.9	.586	152°
	25.30	.9961		870-2530-25-GP	☆	☆	☆	2.7	.105	14.9	.586	152°
	25.40	1.0000		870-2540-25-GP	☆	☆	☆	2.7	.106	14.9	.586	152°
	25.50	1.0039		870-2550-25-GP	☆	☆	☆	2.7	.106	14.9	.586	152°
	25.60	1.0079		870-2560-25-GP	☆	☆	☆	2.7	.107	14.9	.586	152°
	25.70	1.0118		870-2570-25-GP	☆	☆	☆	2.7	.107	14.9	.586	152°
	25.80	1.0158		870-2580-25-GP	☆	☆	☆	2.8	.108	14.9	.586	152°
	25.90	1.0197		870-2590-25-GP	☆	☆	☆	2.8	.109	14.9	.586	152°
	26.00	1.0236	26	870-2600-26-GP	☆	☆	☆	2.7	.107	15.6	.614	152°
	26.50	1.0433		870-2650-26-GP	☆	☆	☆	2.8	.109	15.6	.614	152°
	26.65	1.0492		870-2665-26-GP	☆	☆	☆	2.8	.110	15.6	.614	152°
	27.00	1.0630	27	870-2700-27-GP	☆	☆	☆	2.8	.111	16.1	.633	152°
	27.50	1.0827		870-2750-27-GP	☆	☆	☆	2.9	.113	16.1	.633	152°
	28.00	1.1024	28	870-2800-28-GP	☆	☆	☆	2.9	.115	16.7	.657	152°
	28.50	1.1221		870-2850-28-GP	☆	☆	☆	3.0	.117	16.7	.657	152°
	28.58	1.1252		870-2858-28-GP	☆	☆	☆	3.0	.118	16.7	.657	152°
	29.00	1.1417	29	870-2900-29-GP	☆	☆	☆	3.0	.119	17.3	.681	152°
	29.50	1.1614		870-2950-29-GP	☆	☆	☆	3.1	.122	17.3	.681	152°
	29.65	1.1673		870-2965-29-GP	☆	☆	☆	3.1	.122	17.3	.681	152°
	30.00	1.1811	30	870-3000-30-GP	☆	☆	☆	3.2	.124	17.8	.700	152°
	30.50	1.2008		870-3050-30-GP	☆	☆	☆	3.2	.126	17.8	.700	152°
	31.00	1.2205	31	870-3100-31-GP	☆	☆	☆	3.3	.131	18.4	.724	152°
	31.50	1.2402		870-3150-31-GP	☆	☆	☆	3.4	.133	18.4	.724	152°
	31.75	1.2500		870-3175-31-GP	☆	☆	☆	3.4	.134	18.4	.724	152°
	32.00	1.2598		870-3200-31-GP	☆	☆	☆	3.4	.135	18.4	.724	152°
	32.15	1.2658		870-3215-31-GP	☆	☆	☆	3.5	.136	18.4	.724	152°
	32.50	1.2795		870-3250-31-GP	☆	☆	☆	3.5	.137	18.4	.724	152°
	33.00	1.2992		870-3300-31-GP	☆	☆	☆	3.6	.140	18.4	.724	152°

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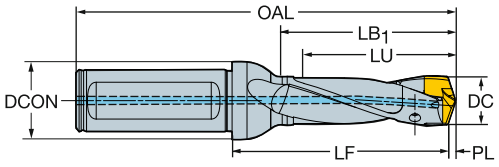
CoroDrill® 870 exchangeable tip drill

Drill bodies

Cylindrical shank with flat according to ISO 9766

CNSC 1





Metric design

DCN	DCX		LU	CZC$_{MS}$	TCHA	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	PL	Kg	CP Bar	RPMX	MIID ISO
10.00	10.49	6	33.09	16	H9	870-1000-6L16-3	16.00	46.40	96.00	35.00	1.60	0.10	10	33000	870-1040-6-PM
10.00	10.49		54.07	16	H9	870-1000-6L16-5	16.00	67.40	117.00	56.00	1.60	0.10	10	15000	870-1040-6-PM
10.00	10.49		85.54	16	H9	870-1000-6L16-8	16.00	99.40	149.00	88.00	1.60	0.10	15	12000	870-1040-6-PM
10.00	10.49		106.52	16	H10	870-1000-6L16-10	16.00	120.40	170.00	109.00	1.60	0.10	30	9000	870-1040-6-PM
10.50	10.99	7	34.67	16	H9	870-1050-7L16-3	16.00	47.31	97.00	36.00	1.69	0.10	10	33000	870-1090-7-PM
10.50	10.99		56.65	16	H9	870-1050-7L16-5	16.00	69.31	119.00	58.00	1.69	0.10	10	15000	870-1090-7-PM
10.50	10.99		89.62	16	H9	870-1050-7L16-8	16.00	102.31	152.00	91.00	1.69	0.10	15	12000	870-1090-7-PM
10.50	10.99		111.60	16	H10	870-1050-7L16-10	16.00	124.31	174.00	113.00	1.69	0.10	30	9000	870-1090-7-PM
11.00	11.49	8	36.23	16	H9	870-1100-8L16-3	16.00	49.25	99.00	38.00	1.75	0.10	10	33000	870-1140-8-PM
11.00	11.49		59.21	16	H9	870-1100-8L16-5	16.00	72.25	122.00	61.00	1.75	0.10	10	15000	870-1140-8-PM
11.00	11.49		93.68	16	H9	870-1100-8L16-8	16.00	107.25	157.00	96.00	1.75	0.10	15	12000	870-1140-8-PM
11.00	11.49		116.66	16	H10	870-1100-8L16-10	16.00	130.25	180.00	119.00	1.75	0.10	30	9000	870-1140-8-PM
11.50	11.99	9	37.82	16	H9	870-1150-9L16-3	16.00	51.17	101.00	40.00	1.83	0.10	10	33000	870-1190-8-PM
11.50	11.99		61.80	16	H9	870-1150-9L16-5	16.00	75.17	125.00	64.00	1.83	0.10	10	15000	870-1190-8-PM
11.50	11.99		97.77	16	H9	870-1150-9L16-8	16.00	111.17	161.00	100.00	1.83	0.10	15	12000	870-1190-8-PM
11.50	11.99		121.75	16	H10	870-1150-9L16-10	16.00	135.17	185.00	124.00	1.83	0.10	30	9000	870-1190-8-PM
12.00	12.49	10	39.38	16	H9	870-1200-10L16-3	16.00	53.10	103.00	42.00	1.90	0.10	10	33000	870-1240-10-PM
12.00	12.49		64.36	16	H9	870-1200-10L16-5	16.00	77.10	127.00	66.00	1.90	0.10	10	15000	870-1240-10-PM
12.00	12.49		101.83	16	H9	870-1200-10L16-8	16.00	116.10	166.00	105.00	1.90	0.10	15	12000	870-1240-10-PM
12.00	12.49		126.81	16	H10	870-1200-10L16-10	16.00	141.10	191.00	130.00	1.90	0.10	30	7000	870-1240-10-PM
12.50	12.99	11	40.97	16	H9	870-1250-11L16-3	16.00	54.02	104.00	43.00	1.98	0.10	10	33000	870-1290-11-PM
12.50	12.99		66.95	16	H9	870-1250-11L16-5	16.00	80.02	130.00	69.00	1.98	0.10	10	15000	870-1290-11-PM
12.50	12.99		105.92	16	H9	870-1250-11L16-8	16.00	119.02	169.00	108.00	1.98	0.10	15	10000	870-1290-11-PM
12.50	12.99		131.90	16	H10	870-1250-11L16-10	16.00	145.02	195.00	134.00	1.98	0.10	30	7000	870-1290-11-PM
13.00	13.49	12	42.54	16	H9	870-1300-12L16-3	16.00	55.94	106.00	45.00	2.06	0.10	10	33000	870-1340-12-PM
13.00	13.49		69.52	16	H9	870-1300-12L16-5	16.00	82.94	133.00	72.00	2.06	0.10	10	15000	870-1340-12-PM
13.00	13.49		109.99	16	H9	870-1300-12L16-8	16.00	123.94	174.00	113.00	2.06	0.10	15	9500	870-1340-12-PM
13.00	13.49		136.97	16	H10	870-1300-12L16-10	16.00	150.94	201.00	140.00	2.06	0.20	30	6500	870-1340-12-PM
13.50	13.99	13	44.13	16	H9	870-1350-13L16-3	16.00	57.86	108.00	47.00	2.14	0.10	10	33000	870-1390-13-PM
13.50	13.99		72.11	16	H9	870-1350-13L16-5	16.00	84.86	135.00	74.00	2.14	0.10	10	15000	870-1390-13-PM
13.50	13.99		114.08	16	H9	870-1350-13L16-8	16.00	127.86	178.00	117.00	2.14	0.20	15	9500	870-1390-13-PM
13.50	13.99		142.06	16	H10	870-1350-13L16-10	16.00	155.86	206.00	145.00	2.14	0.20	30	6500	870-1390-13-PM
14.00	14.99	14	47.27	20	H9	870-1400-14L20-3	20.00	63.72	116.00	50.00	2.28	0.20	10	33000	870-1490-14-PM
14.00	14.99		77.25	20	H9	870-1400-14L20-5	20.00	93.72	146.00	80.00	2.28	0.20	10	15000	870-1490-14-PM
14.00	14.99		122.22	20	H9	870-1400-14L20-8	20.00	138.72	191.00	125.00	2.28	0.20	15	9500	870-1490-14-PM
14.00	14.99		152.20	20	H10	870-1400-14L20-10	20.00	168.72	221.00	155.00	2.28	0.30	30	6500	870-1490-14-PM
15.00	15.99	15	50.42	20	H9	870-1500-15L20-3	20.00	66.56	119.00	53.00	2.44	0.20	10	33000	870-1590-15-PM
15.00	15.99		82.40	20	H9	870-1500-15L20-5	20.00	98.56	151.00	85.00	2.44	0.20	10	15000	870-1590-15-PM
15.00	15.99		130.37	20	H9	870-1500-15L20-8	20.00	146.56	199.00	133.00	2.44	0.30	15	8000	870-1590-15-PM
15.00	15.99		162.35	20	H10	870-1500-15L20-10	20.00	178.56	231.00	165.00	2.44	0.30	30	5000	870-1590-15-PM
16.00	16.99	16	53.56	20	H9	870-1600-16L20-3	20.00	69.42	122.00	56.00	2.58	0.20	10	33000	870-1690-16-PM
16.00	16.99		87.54	20	H9	870-1600-16L20-5	20.00	103.42	156.00	90.00	2.58	0.20	10	15000	870-1690-16-PM
16.00	16.99		138.51	20	H9	870-1600-16L20-8	20.00	154.42	207.00	141.00	2.58	0.30	15	8000	870-1690-16-PM
16.00	16.99		172.49	20	H10	870-1600-16L20-10	20.00	188.42	241.00	175.00	2.58	0.30	30	5000	870-1690-16-PM
17.00	17.99	17	56.71	20	H9	870-1700-17L20-3	20.00	73.27	126.00	59.00	2.73	0.20	10	30000	870-1790-17-PM
17.00	17.99		92.69	20	H9	870-1700-17L20-5	20.00	109.27	162.00	95.00	2.73	0.20	10	13500	870-1790-17-PM
17.00	17.99		146.66	20	H9	870-1700-17L20-8	20.00	163.27	216.00	149.00	2.73	0.30	15	8000	870-1790-17-PM
17.00	17.99		182.64	20	H10	870-1700-17L20-10	20.00	199.27	252.00	185.00	2.73	0.30	30	5000	870-1790-17-PM

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ISO 13399 Q1

CNSC CXSC Q35

C3 – D C Q29

SANDVIK Coromant

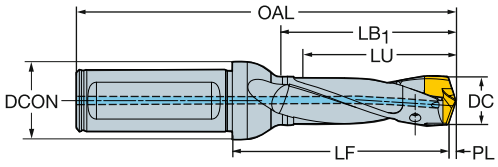
CoroDrill® 870 exchangeable tip drill

Drill bodies

Cylindrical shank with flat according to ISO 9766

CNSC 1





Metric design

DCN	DCX		LU	CZC$_{MS}$	TCHA	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	PL	Kg	CP Bar	RPMX	MIID ISO
18.00	18.99	18	59.86	20	H9	870-1800-18L20-3	20.00	76.13	129.00	62.00	2.87	0.20	10	30000	870-1890-18-PM
18.00	18.99		97.84	20	H9	870-1800-18L20-5	20.00	113.13	166.00	100.00	2.87	0.30	10	13500	870-1890-18-PM
18.00	18.99		154.81	20	H9	870-1800-18L20-8	20.00	171.13	224.00	157.00	2.87	0.50	15	8000	870-1890-18-PM
18.00	18.99		192.79	20	H10	870-1800-18L20-10	20.00	209.13	262.00	195.00	2.87	0.30	30	5000	870-1890-18-PM
19.00	19.99	19	63.01	25	H9	870-1900-19L25-3	25.00	82.98	142.00	66.00	3.02	0.30	10	30000	870-1990-19-PM
19.00	19.99		102.99	25	H9	870-1900-19L25-5	25.00	122.98	182.00	106.00	3.02	0.40	10	13500	870-1990-19-PM
19.00	19.99		162.96	25	H9	870-1900-19L25-8	25.00	182.98	242.00	166.00	3.02	0.50	15	7000	870-1990-19-PM
19.00	19.99		202.94	25	H10	870-1900-19L25-10	25.00	222.98	282.00	206.00	3.02	0.50	30	4500	870-1990-19-PM
20.00	20.99	20	66.16	25	H9	870-2000-20L25-3	25.00	86.83	146.00	69.00	3.17	0.30	10	21500	870-2090-20-PM
20.00	20.99		108.14	25	H9	870-2000-20L25-5	25.00	128.83	188.00	111.00	3.17	0.40	10	12000	870-2090-20-PM
20.00	20.99		171.11	25	H9	870-2000-20L25-8	25.00	191.83	251.00	174.00	3.17	0.50	15	7000	870-2090-20-PM
20.00	20.99		213.09	25	H10	870-2000-20L25-10	25.00	233.83	293.00	216.00	3.17	0.50	30	4500	870-2090-20-PM
21.00	21.99	21	69.30	25	H9	870-2100-21L25-3	25.00	89.68	149.00	72.00	3.32	0.37	10	21500	870-2190-21-PM
21.00	21.99		113.28	25	H9	870-2100-21L25-5	25.00	133.68	193.00	116.00	3.32	0.43	10	12000	870-2190-21-PM
21.00	21.99		179.25	25	H9	870-2100-21L25-8	25.00	199.68	259.00	182.00	3.32	0.51	15	7000	870-2190-21-PM
21.00	21.99		223.23	25	H10	870-2100-21L25-10	25.00	243.68	303.00	226.00	3.32	0.50	30	4500	870-2190-21-PM
22.00	22.99	22	72.45	25	H9	870-2200-22L25-3	25.00	93.53	153.00	76.00	3.47	0.39	10	21500	870-2290-22-PM
22.00	22.99		118.43	25	H9	870-2200-22L25-5	25.00	139.53	199.00	122.00	3.47	0.46	10	12000	870-2290-22-PM
22.00	22.99		187.40	25	H9	870-2200-22L25-8	25.00	208.53	268.00	191.00	3.47	0.56	15	7000	870-2290-22-PM
22.00	22.99		233.38	25	H10	870-2200-22L25-10	25.00	253.53	313.00	236.00	3.47	0.60	30	4500	870-2290-22-PM
23.00	23.99	23	75.59	25	H9	870-2300-23L25-3	25.00	97.39	157.00	79.00	3.61	0.41	10	21500	870-2390-23-PM
23.00	23.99		123.57	25	H9	870-2300-23L25-5	25.00	145.39	205.00	127.00	3.61	0.49	10	21500	870-2390-23-PM
23.00	23.99		195.54	25	H9	870-2300-23L25-8	25.00	217.39	277.00	199.00	3.61	0.60	15	6000	870-2390-23-PM
23.00	23.99		243.52	25	H10	870-2300-23L25-10	25.00	265.39	325.00	247.00	3.61	0.70	30	4000	870-2390-23-PM
24.00	24.99	24	78.75	32	H9	870-2400-24L32-3	32.00	104.23	168.00	82.00	3.77	0.66	10	16000	870-2490-24-PM
24.00	24.99		128.73	32	H9	870-2400-24L32-5	32.00	155.23	219.00	132.00	3.77	0.76	10	10500	870-2490-24-PM
24.00	24.99		203.70	32	H9	870-2400-24L32-8	32.00	229.23	293.00	207.00	3.77	0.88	15	6000	870-2490-24-PM
24.00	24.99		253.68	32	H10	870-2400-24L32-10	32.00	275.23	339.00	257.00	3.77	1.00	30	4000	870-2490-24-PM
25.00	25.99	25	81.90	32	H9	870-2500-25L32-3	32.00	107.09	171.00	85.00	3.91	0.68	10	16000	870-2590-25-PM
25.00	25.99		133.88	32	H9	870-2500-25L32-5	32.00	159.09	223.00	137.00	3.91	0.79	10	10500	870-2590-25-PM
25.00	25.99		211.85	32	H9	870-2500-25L32-8	32.00	237.09	301.00	215.00	3.91	0.94	15	6000	870-2590-25-PM
25.00	25.99		263.83	32	H10	870-2500-25L32-10	32.00	289.09	353.00	267.00	3.91	1.00	30	4000	870-2590-25-PM
26.00	26.99	26	85.05	32	H9	870-2600-26L32-3	32.00	111.97	176.00	89.00	4.03	0.70	10	16000	870-2665-26-PM
26.00	26.99		139.03	32	H9	870-2600-26L32-5	32.00	165.97	230.00	143.00	4.03	0.80	10	10500	870-2665-26-PM
26.00	26.99		220.00	32	H9	870-2600-26L32-8	32.00	245.97	310.00	223.00	4.03	1.00	15	6000	870-2665-26-PM
26.00	26.99		273.98	32	H10	870-2600-26L32-10	32.00	299.97	364.00	277.00	4.03	1.10	10	3500	870-2665-26-PM
27.00	27.99	27	88.21	32	H9	870-2700-27L32-3	32.00	113.86	178.00	92.00	4.14	0.70	10	16000	870-2750-27-PM
27.00	27.99		144.19	32	H9	870-2700-27L32-5	32.00	170.86	235.00	148.00	4.14	0.90	10	10500	870-2750-27-PM
27.00	27.99		228.16	32	H9	870-2700-27L32-8	32.00	253.86	318.00	232.00	4.14	1.00	10	5000	870-2750-27-PM
28.00	28.99	28	91.36	32	H9	870-2800-28L32-3	32.00	116.68	181.00	95.00	4.32	0.80	10	16000	870-2858-28-PM
28.00	28.99		149.34	32	H9	870-2800-28L32-5	32.00	174.68	239.00	153.00	4.32	0.90	10	10500	870-2858-28-PM
28.00	28.99		236.31	32	H9	870-2800-28L32-8	32.00	261.68	326.00	240.00	4.32	1.10	10	5000	870-2858-28-PM
29.00	29.99	29	94.50	32	H9	870-2900-29L32-3	32.00	119.52	184.00	98.00	4.48	0.80	10	16000	870-2965-29-PM
29.00	29.99		154.48	32	H9	870-2900-29L32-5	32.00	180.52	245.00	158.00	4.48	0.90	10	10500	870-2965-29-PM
29.00	29.99		244.45	32	H9	870-2900-29L32-8	32.00	269.52	334.00	248.00	4.48	1.20	10	5000	870-2965-29-PM
30.00	30.99	30	97.65	32	H9	870-3000-30L32-3	32.00	123.40	188.00	102.00	4.60	0.80	10	16000	870-3050-30-PM
30.00	30.99		159.63	32	H9	870-3000-30L32-5	32.00	186.40	251.00	164.00	4.60	1.00	10	9500	870-3050-30-PM
30.00	30.99		252.60	32	H9	870-3000-30L32-8	32.00	277.40	342.00	256.00	4.60	1.30	10	4000	870-3050-30-PM
31.00	33.00	31	104.09	32	H9	870-3100-31L32-3	32.00	128.92	194.00	108.00	5.08	0.90	10	16000	870-3300-31-PM
31.00	33.00		170.09	32	H9	870-3100-31L32-5	32.00	194.92	260.00	174.00	5.08	1.10	10	9500	870-3300-31-PM
31.00	33.00		269.09	32	H9	870-3100-31L32-8	32.00	293.92	359.00	273.00	5.08	1.40	10	4000	870-3300-31-PM

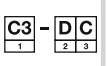
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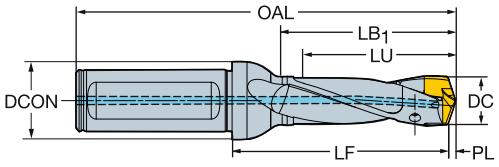
CoroDrill® 870 exchangeable tip drill

Drill bodies

Cylindrical shank with flat according to ISO 9766

CNSC 1





Inch design

DCN	DCX		LU	CZC$_{MS}$	TCHA	Ordering code	Dimensions, inch DCON	LF	OAL	LB$_1$	PL	Lbs	CP PSI	RPMX	MIID ISO
.393	.412	6	1.302	5/8	H9	870-1000-6LX063-3	.625	1.826	3.779	1.377	.062	.220	145	33000	870-1040-6-PM
.393	.412		2.128	5/8	H9	870-1000-6LX063-5	.625	2.653	4.606	2.204	.062	.220	145	15000	870-1040-6-PM
.393	.412		3.367	5/8	H9	870-1000-6LX063-8	.625	3.913	5.866	3.464	.062	.220	217	12000	870-1040-6-PM
.393	.412		4.193	5/8	H10	870-1000-6LX063-10	.625	4.740	6.692	4.291	.062	.220	435	9000	870-1040-6-PM
.413	.432	7	1.364	5/8	H9	870-1050-7LX063-3	.625	1.862	3.818	1.417	.066	.220	145	33000	870-1090-7-PM
.413	.432		2.230	5/8	H9	870-1050-7LX063-5	.625	2.728	4.685	2.283	.066	.220	145	15000	870-1090-7-PM
.413	.432		3.528	5/8	H9	870-1050-7LX063-8	.625	4.027	5.984	3.582	.066	.220	217	12000	870-1090-7-PM
.413	.432		4.393	5/8	H10	870-1050-7LX063-10	.625	4.894	6.850	4.448	.066	.220	435	9000	870-1090-7-PM
.433	.452	8	1.426	5/8	H9	870-1100-8LX063-3	.625	1.938	3.897	1.496	.068	.220	145	33000	870-1140-8-PM
.433	.452		2.331	5/8	H9	870-1100-8LX063-5	.625	2.844	4.803	2.401	.068	.220	145	15000	870-1140-8-PM
.433	.452		3.688	5/8	H9	870-1100-8LX063-8	.625	4.222	6.181	3.779	.068	.220	217	12000	870-1140-8-PM
.433	.452		4.592	5/8	H10	870-1100-8LX063-10	.625	5.127	7.086	4.685	.068	.220	435	9000	870-1140-8-PM
.452	.472	9	1.488	5/8	H9	870-1150-9LX063-3	.625	2.014	3.976	1.574	.072	.220	145	33000	870-1190-8-PM
.452	.472		2.433	5/8	H9	870-1150-9LX063-5	.625	2.959	4.921	2.519	.072	.220	145	15000	870-1190-8-PM
.452	.472		3.849	5/8	H9	870-1150-9LX063-8	.625	4.376	6.338	3.937	.072	.220	217	12000	870-1190-8-PM
.452	.472		4.793	5/8	H10	870-1150-9LX063-10	.625	5.321	7.283	4.881	.072	.220	435	9000	870-1190-8-PM
.472	.491	10	1.550	5/8	H9	870-1200-10LX063-3	.625	2.090	4.055	1.653	.074	.220	145	33000	870-1240-10-PM
.472	.491		2.533	5/8	H9	870-1200-10LX063-5	.625	3.035	5.000	2.598	.074	.220	145	15000	870-1240-10-PM
.472	.491		4.009	5/8	H9	870-1200-10LX063-8	.625	4.570	6.535	4.133	.074	.220	217	10000	870-1240-10-PM
.472	.491		4.992	5/8	H10	870-1200-10LX063-10	.625	5.555	7.519	5.118	.074	.220	435	7000	870-1240-10-PM
.492	.511	11	1.612	5/8	H9	870-1250-11LX063-3	.625	2.126	4.094	1.692	.077	.220	145	33000	870-1290-11-PM
.492	.511		2.635	5/8	H9	870-1250-11LX063-5	.625	3.150	5.118	2.716	.077	.220	145	15000	870-1290-11-PM
.492	.511		4.170	5/8	H9	870-1250-11LX063-8	.625	4.685	6.653	4.251	.077	.220	217	10000	870-1290-11-PM
.492	.511		5.192	5/8	H10	870-1250-11LX063-10	.625	5.709	7.677	5.275	.077	.220	435	7000	870-1290-11-PM
.511	.531	12	1.674	5/8	H9	870-1300-12LX063-3	.625	2.202	4.173	1.771	.081	.220	145	33000	870-1340-12-PM
.511	.531		2.737	5/8	H9	870-1300-12LX063-5	.625	3.265	5.236	2.834	.081	.220	145	15000	870-1340-12-PM
.511	.531		4.330	5/8	H9	870-1300-12LX063-8	.625	4.879	6.850	4.448	.081	.220	217	9500	870-1340-12-PM
.511	.531		5.392	5/8	H10	870-1300-12LX063-10	.625	5.942	7.913	5.511	.081	.440	435	6500	870-1340-12-PM
.531	.550	13	1.737	5/8	H9	870-1350-13LX063-3	.625	2.277	4.251	1.850	.084	.220	145	33000	870-1390-13-PM
.531	.550		2.838	5/8	H9	870-1350-13LX063-5	.625	3.340	5.314	2.913	.084	.220	145	15000	870-1390-13-PM
.531	.550		4.491	5/8	H9	870-1350-13LX063-8	.625	5.033	7.007	4.606	.084	.440	217	9500	870-1390-13-PM
.531	.550		5.592	5/8	H10	870-1350-13LX063-10	.625	6.136	8.110	5.708	.084	.440	435	6500	870-1390-13-PM
.551	.590	14	1.861	3/4	H9	870-1400-14LX075-3	.750	2.508	4.566	1.968	.089	.440	145	33000	870-1490-14-PM
.551	.590		3.041	3/4	H9	870-1400-14LX075-5	.750	3.689	5.748	3.149	.089	.440	145	15000	870-1490-14-PM
.551	.590		4.811	3/4	H9	870-1400-14LX075-8	.750	5.461	7.519	4.921	.089	.440	217	9500	870-1490-14-PM
.551	.590		5.992	3/4	H10	870-1400-14LX075-10	.750	6.642	8.700	6.102	.089	.660	435	6500	870-1490-14-PM
.590	.629	15	1.985	3/4	H9	870-1500-15LX075-3	.750	2.620	4.685	2.086	.096	.440	145	33000	870-1590-15-PM
.590	.629		3.244	3/4	H9	870-1500-15LX075-5	.750	3.880	5.944	3.346	.096	.440	145	15000	870-1590-15-PM
.590	.629		5.132	3/4	H9	870-1500-15LX075-8	.750	5.770	7.834	5.236	.096	.660	217	8000	870-1590-15-PM
.590	.629		6.391	3/4	H10	870-1500-15LX075-10	.750	7.029	9.094	6.496	.096	.660	435	5000	870-1590-15-PM
.629	.668	16	2.108	3/4	H9	870-1600-16LX075-3	.750	2.733	4.803	2.204	.101	.440	145	33000	870-1690-16-PM
.629	.668		3.446	3/4	H9	870-1600-16LX075-5	.750	4.071	6.141	3.543	.101	.440	145	15000	870-1690-16-PM
.629	.668		5.453	3/4	H9	870-1600-16LX075-8	.750	6.079	8.149	5.551	.101	.660	217	8000	870-1690-16-PM
.629	.668		6.790	3/4	H10	870-1600-16LX075-10	.750	7.418	9.488	6.889	.101	.660	435	5000	870-1690-16-PM
.669	.708	17	2.232	3/4	H9	870-1700-17LX075-3	.750	2.884	4.960	2.322	.107	.440	145	30000	870-1790-17-PM
.669	.708		3.649	3/4	H9	870-1700-17LX075-5	.750	4.301	6.377	3.740	.107	.440	145	13500	870-1790-17-PM
.669	.708		5.774	3/4	H9	870-1700-17LX075-8	.750	6.427	8.503	5.866	.107	.660	217	8000	870-1790-17-PM
.669	.708		7.190	3/4	H10	870-1700-17LX075-10	.750	7.845	9.921	7.283	.107	.660	435	5000	870-1790-17-PM

K18 O5 Q5 Q1 Q35 Q29

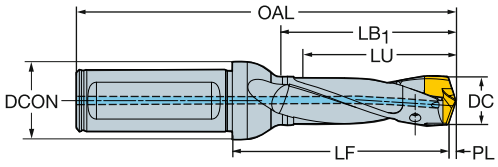
CoroDrill® 870 exchangeable tip drill

Drill bodies

Cylindrical shank with flat according to ISO 9766

CNSC 1





Inch design

DCN	DCX		LU	CZC$_{MS}$	TCHA	Ordering code	Dimensions, inch DCON	LF	OAL	LB$_1$	PL	Lbs	CP PSI	RPMX	MIID ISO
.708	.747	18	2.356	3/4	H9	**870-1800-18LX075-3**	.750	2.997	5.078	2.440	.112	.440	145	30000	870-1890-18-PM
.708	.747		3.851	3/4	H9	**870-1800-18LX075-5**	.750	4.453	6.535	3.937	.112	.660	145	13500	870-1890-18-PM
.708	.747		6.094	3/4	H9	**870-1800-18LX075-8**	.750	6.737	8.818	6.181	.112	1.100	217	8000	870-1890-18-PM
.708	.747		7.590	3/4	H10	**870-1800-18LX075-10**	.750	8.233	10.315	7.677	.112	.660	435	5000	870-1890-18-PM
.748	.787	19	2.480	1	H9	**870-1900-19LX1-3**	1.000	3.266	5.590	2.598	.118	.660	145	30000	870-1990-19-PM
.748	.787		4.054	1	H9	**870-1900-19LX1-5**	1.000	4.841	7.165	4.173	.118	.880	145	13500	870-1990-19-PM
.748	.787		6.415	1	H9	**870-1900-19LX1-8**	1.000	7.203	9.527	6.535	.118	1.100	217	7000	870-1990-19-PM
.748	.787		7.989	1	H10	**870-1900-19LX1-10**	1.000	8.778	11.102	8.110	.118	1.100	435	4500	870-1990-19-PM
.787	.826	20	2.604	1	H9	**870-2000-20LX1-3**	1.000	3.418	5.748	2.716	.124	.660	145	21500	870-2090-20-PM
.787	.826		4.257	1	H9	**870-2000-20LX1-5**	1.000	5.072	7.401	4.370	.124	.880	145	12000	870-2090-20-PM
.787	.826		6.736	1	H9	**870-2000-20LX1-8**	1.000	7.552	9.881	6.850	.124	1.100	217	7000	870-2090-20-PM
.787	.826		8.389	1	H10	**870-2000-20LX1-10**	1.000	9.205	11.535	8.503	.124	1.100	435	4500	870-2090-20-PM
.826	.865	21	2.728	1	H9	**870-2100-21LX1-3**	1.000	3.530	5.866	2.834	.130	.814	145	21500	870-2190-21-PM
.826	.865		4.459	1	H9	**870-2100-21LX1-5**	1.000	5.262	7.598	4.566	.130	.946	145	12000	870-2190-21-PM
.826	.865		7.057	1	H9	**870-2100-21LX1-8**	1.000	7.861	10.196	7.165	.130	1.137	217	7000	870-2190-21-PM
.826	.865		8.788	1	H10	**870-2100-21LX1-10**	1.000	9.593	11.929	8.897	.130	1.100	435	4500	870-2190-21-PM
.866	.905	22	2.852	1	H9	**870-2200-22LX1-3**	1.000	3.682	6.023	2.992	.136	.858	145	16000	870-2290-22-PM
.866	.905		4.662	1	H9	**870-2200-22LX1-5**	1.000	5.493	7.834	4.803	.136	1.012	145	12000	870-2290-22-PM
.866	.905		7.377	1	H9	**870-2200-22LX1-8**	1.000	8.209	10.551	7.519	.136	1.236	217	7000	870-2290-22-PM
.866	.905		9.188	1	H10	**870-2200-22LX1-10**	1.000	9.981	12.322	9.291	.136	1.320	435	4500	870-2290-22-PM
.905	.944	23	2.975	1	H9	**870-2300-23LX1-3**	1.000	3.834	6.181	3.110	.142	.902	145	21500	870-2390-23-PM
.905	.944		4.864	1	H9	**870-2300-23LX1-5**	1.000	5.724	8.070	5.000	.142	1.078	145	12000	870-2390-23-PM
.905	.944		7.698	1	H9	**870-2300-23LX1-8**	1.000	8.558	10.905	7.834	.142	1.326	217	6000	870-2390-23-PM
.905	.944		9.587	1	H10	**870-2300-23LX1-10**	1.000	10.448	12.795	9.724	.142	1.540	435	4000	870-2390-23-PM
.944	.983	24	3.100	1 1/4	H9	**870-2400-24LX125-3**	1.250	4.103	6.614	3.228	.148	1.452	145	16000	870-2490-24-PM
.944	.983		5.068	1 1/4	H9	**870-2400-24LX125-5**	1.250	6.111	8.622	5.196	.148	1.672	145	10500	870-2490-24-PM
.944	.983		8.019	1 1/4	H9	**870-2400-24LX125-8**	1.250	9.024	11.535	8.149	.148	1.947	217	6000	870-2490-24-PM
.944	.983		9.987	1 1/4	H10	**870-2400-24LX125-10**	1.250	10.835	13.346	10.118	.148	2.200	435	4000	870-2490-24-PM
.984	1.023	25	3.224	1 1/4	H9	**870-2500-25LX125-3**	1.250	4.216	6.732	3.346	.153	1.496	145	16000	870-2590-25-PM
.984	1.023		5.270	1 1/4	H9	**870-2500-25LX125-5**	1.250	6.263	8.779	5.393	.153	1.738	145	10500	870-2590-25-PM
.984	1.023		8.340	1 1/4	H9	**870-2500-25LX125-8**	1.250	9.334	11.850	8.464	.153	2.074	217	6000	870-2590-25-PM
.984	1.023		10.387	1 1/4	H10	**870-2500-25LX125-10**	1.250	11.381	13.897	10.511	.153	2.200	435	4000	870-2590-25-PM
1.023	1.062	26	3.348	1 1/4	H9	**870-2600-26LX125-3**	1.250	4.408	6.929	3.503	.158	1.540	145	16000	870-2665-26-PM
1.023	1.062		5.473	1 1/4	H9	**870-2600-26LX125-5**	1.250	6.534	9.055	5.629	.158	1.760	145	10500	870-2665-26-PM
1.023	1.062		8.661	1 1/4	H9	**870-2600-26LX125-8**	1.250	9.683	12.204	8.779	.158	2.200	217	6000	870-2665-26-PM
1.023	1.062		10.786	1 1/4	H10	**870-2600-26LX125-10**	1.250	11.809	14.330	10.905	.158	2.420	145	3500	870-2665-26-PM
1.062	1.101	27	3.472	1 1/4	H9	**870-2700-27LX125-3**	1.250	4.482	7.007	3.622	.162	1.540	145	16000	870-2750-27-PM
1.062	1.101		5.676	1 1/4	H9	**870-2700-27LX125-5**	1.250	6.726	9.251	5.826	.162	1.980	145	10500	870-2750-27-PM
1.062	1.101		8.982	1 1/4	H9	**870-2700-27LX125-8**	1.250	9.994	12.519	9.133	.162	2.200	145	5000	870-2750-27-PM
1.102	1.141	28	3.596	1 1/4	H9	**870-2800-28LX125-3**	1.250	4.593	7.125	3.740	.170	1.760	145	16000	870-2858-28-PM
1.102	1.141		5.879	1 1/4	H9	**870-2800-28LX125-5**	1.250	6.877	9.409	6.023	.170	1.980	145	10500	870-2858-28-PM
1.102	1.141		9.303	1 1/4	H9	**870-2800-28LX125-8**	1.250	10.302	12.834	9.448	.170	2.420	145	5000	870-2858-28-PM
1.141	1.180	29	3.720	1 1/4	H9	**870-2900-29LX125-3**	1.250	4.705	7.244	3.858	.176	1.760	145	16000	870-2965-29-PM
1.141	1.180		6.081	1 1/4	H9	**870-2900-29LX125-5**	1.250	7.107	9.645	6.220	.176	1.980	145	10500	870-2965-29-PM
1.141	1.180		9.624	1 1/4	H9	**870-2900-29LX125-8**	1.250	10.611	13.149	9.763	.176	2.640	145	5000	870-2965-29-PM
1.181	1.220	30	3.844	1 1/4	H9	**870-3000-30LX125-3**	1.250	4.858	7.401	4.015	.181	1.760	145	16000	870-3050-30-PM
1.181	1.220		6.284	1 1/4	H9	**870-3000-30LX125-5**	1.250	7.338	9.881	6.456	.181	2.200	145	9500	870-3050-30-PM
1.181	1.220		9.944	1 1/4	H9	**870-3000-30LX125-8**	1.250	10.921	13.464	10.078	.181	2.860	145	4000	870-3050-30-PM
1.220	1.299	31	4.098	1 1/4	H9	**870-3100-31LX125-3**	1.250	5.075	7.637	4.251	.200	1.980	145	16000	870-3300-31-PM
1.220	1.299		6.696	1 1/4	H9	**870-3100-31LX125-5**	1.250	7.674	10.236	6.850	.200	2.420	145	9500	870-3300-31-PM
1.220	1.299		10.594	1 1/4	H9	**870-3100-31LX125-8**	1.250	11.571	14.133	10.748	.200	3.080	145	4000	870-3300-31-PM

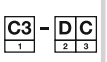
 K18

 O5

 Q5

 Q1

 Q35

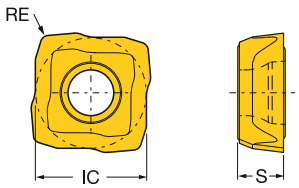
 Q29

CoroDrill® 880 insert for drilling

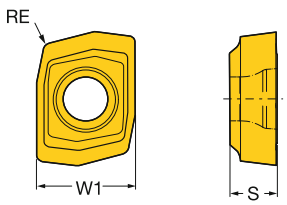
Central insert



880



880-01



Medium feed

	Ordering code	INSUC	P 1044	M 1044	M 1144	K 1044	N 1044	N H13A	S 1044	S 1144	S H13A	H 1044	S	S"	RE	RE"	IC	IC"	W1	W1"
01C	880-01 02 03H-C-LM	C	☆	☆	☆	☆	☆		☆	☆		☆	2.20	.086	0.30	.011			4.80	.188
02C	880-02 02 04H-C-GM	C	☆	☆		☆	☆		☆			☆	2.40	.094	0.40	.015	4.90	.192		
	880-02 02 04H-C-LM	C	☆	☆	☆		☆		☆	☆			2.40	.094	0.40	.015	4.90	.192		
03C	880-03 03 05H-C-GM	C	☆	☆		☆	☆		☆			☆	2.60	.102	0.50	.019	5.70	.224		
	880-03 03 05H-C-LM	C	☆	☆	☆		☆	☆	☆	☆	☆		2.60	.102	0.50	.019	5.70	.224		
04C	880-04 03 05H-C-GM	C	☆	☆		☆	☆		☆			☆	2.80	.110	0.50	.019	6.80	.267		
	880-04 03 05H-C-LM	C	☆	☆	☆		☆	☆	☆	☆	☆		2.80	.110	0.50	.019	6.80	.267		
05C	880-05 03 05H-C-GM	C	☆	☆		☆	☆		☆			☆	3.00	.118	0.50	.019	8.40	.330		
	880-05 03 05H-C-LM	C	☆	☆	☆		☆	☆	☆	☆	☆		3.00	.118	0.50	.019	8.40	.330		
06C	880-06 04 06H-C-GM	C	☆	☆		☆	☆		☆			☆	3.50	.137	0.60	.023	10.20	.401		
	880-06 04 06H-C-LM	C	☆	☆	☆		☆	☆	☆	☆	☆		3.50	.137	0.60	.023	10.20	.401		
07C	880-07 04 06H-C-GM	C	☆	☆		☆	☆		☆			☆	4.00	.157	0.60	.023	12.35	.486		
	880-07 04 06H-C-LM	C	☆	☆	☆		☆	☆	☆	☆	☆		4.00	.157	0.60	.023	12.35	.486		
08C	880-08 05 08H-C-GM	C	☆	☆		☆	☆		☆			☆	4.50	.177	0.80	.031	14.85	.584		
	880-08 05 08H-C-LM	C	☆	☆	☆		☆	☆	☆	☆	☆		4.50	.177	0.80	.031	14.85	.584		
09C	880-09 06 08H-C-GM	C	☆	☆		☆	☆		☆			☆	5.50	.216	0.80	.031	17.90	.704		
	880-09 06 08H-C-LM	C	☆	☆	☆		☆	☆	☆	☆	☆		5.50	.216	0.80	.031	17.90	.704		

High feed

	Ordering code	INSUC	P 1044	M 1044	K 1044	N 1044	S 1044	H 1044	S	S"	RE	RE"	IC	IC"	W1	W1"
01C	880-01 02 03H-C-GR	C	☆	☆	☆	☆	☆	☆	2.20	.086	0.30	.011			4.80	.188
02C	880-02 02 04H-C-GR	C	☆		☆				2.40	.094	0.40	.015	4.90	.192		
03C	880-03 03 05H-C-GR	C	☆		☆				2.60	.102	0.50	.019	5.70	.224		
04C	880-04 03 05H-C-GR	C	☆		☆				2.80	.110	0.50	.019	6.80	.267		
05C	880-05 03 05H-C-GR	C	☆		☆				3.00	.118	0.50	.019	8.40	.330		
06C	880-06 04 06H-C-GR	C	☆		☆				3.50	.137	0.60	.023	10.20	.401		
07C	880-07 04 06H-C-GR	C	☆		☆				4.00	.157	0.60	.023	12.35	.486		
08C	880-08 05 08H-C-GR	C	☆		☆				4.50	.177	0.80	.031	14.85	.584		
09C	880-09 06 08H-C-GR	C	☆		☆				5.50	.216	0.80	.031	17.90	.704		

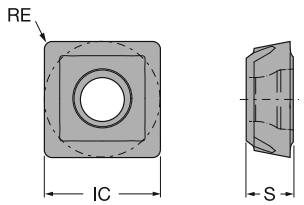
K178 K254 Q1 Q29

CoroDrill® 880 insert for drilling

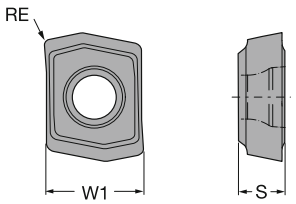
Peripheral insert



880



880-01

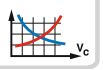


Medium feed

	Ordering code	INSUC	P				M					K			N				S					H			Dimensions, mm, inch							
			4044	4324	4334	H13A	2044	4044	4324	4334	H13A	4044	4324	4334	4044	4324	4334	H13A	2044	4044	4324	4334	H13A	4044	4324	4334	S	S"	RE	RE"	IC	IC"	W1	W1"
01P	880-01 02 W04H-P-LM	P	☆	☆	☆			☆	☆	☆					☆	☆	☆			☆	☆	☆					2.20	.086	0.40	.015			4.80	.188
	880-01 02 W04H-P-MS	P					☆												☆								2.20	.086	0.40	.015			4.80	.188
02P	880-02 02 W04H-P-GM	P	☆	☆	☆			☆	☆	☆		☆	☆	☆	☆					☆				☆	☆	☆	2.40	.094	0.40	.015	5.10	.200		
	880-02 02 W05H-P-LM	P	☆	☆	☆			☆	☆	☆					☆	☆	☆			☆	☆	☆					2.40	.094	0.50	.019	5.10	.200		
	880-02 02 W05H-P-MS	P					☆												☆								2.40	.094	0.50	.019	5.10	.200		
03P	880-03 03 W05H-P-GM	P	☆	☆	☆			☆	☆	☆		☆	☆	☆	☆					☆				☆	☆	☆	2.60	.102	0.50	.019	6.00	.236		
	880-03 03 W06H-P-LM	P	☆	☆	☆	☆		☆	☆	☆	☆				☆	☆	☆	☆		☆	☆	☆	☆				2.60	.102	0.60	.023	6.00	.236		
	880-03 03 W06H-P-MS	P					☆												☆								2.60	.102	0.60	.023	6.00	.236		
04P	880-04 03 W05H-P-GM	P	☆	☆	☆			☆	☆	☆		☆	☆	☆	☆					☆				☆	☆	☆	2.80	.110	0.50	.019	7.40	.291		
	880-04 03 W07H-P-LM	P	☆	☆	☆	☆		☆	☆	☆	☆				☆	☆	☆	☆		☆	☆	☆	☆				2.80	.110	0.70	.027	7.40	.291		
	880-04 03 W07H-P-MS	P					☆												☆								2.80	.110	0.70	.027	7.40	.291		
05P	880-05 03 W05H-P-GM	P	☆	☆	☆			☆	☆	☆		☆	☆	☆	☆					☆				☆	☆	☆	3.00	.118	0.50	.019	8.90	.350		
	880-05 03 W08H-P-LM	P	☆	☆	☆	☆		☆	☆	☆	☆				☆	☆	☆	☆		☆	☆	☆	☆				3.00	.118	0.80	.031	8.90	.350		
	880-05 03 W08H-P-MS	P					☆												☆								3.00	.118	0.80	.031	8.90	.350		
06P	880-06 04 W06H-P-GM	P	☆	☆	☆			☆	☆	☆		☆	☆	☆	☆					☆				☆	☆	☆	3.50	.137	0.60	.023	10.65	.419		
	880-06 04 W08H-P-LM	P	☆	☆	☆	☆		☆	☆	☆	☆				☆	☆	☆	☆		☆	☆	☆	☆				3.50	.137	0.80	.031	10.65	.419		
	880-06 04 W08H-P-MS	P					☆												☆								3.50	.137	0.80	.031	10.65	.419		
07P	880-07 04 W06H-P-GM	P	☆	☆	☆			☆	☆	☆		☆	☆	☆	☆					☆				☆	☆	☆	4.00	.157	0.60	.023	12.65	.498		
	880-07 04 W10H-P-LM	P	☆	☆	☆	☆		☆	☆	☆	☆				☆	☆	☆	☆		☆	☆	☆	☆				4.00	.157	1.00	.039	12.65	.498		
	880-07 04 W10H-P-MS	P					☆												☆								4.00	.157	1.00	.039	12.65	.498		
08P	880-08 05 W08H-P-GM	P	☆	☆	☆			☆	☆	☆		☆	☆	☆	☆					☆				☆	☆	☆	4.50	.177	0.80	.031	15.45	.608		
	880-08 05 W10H-P-LM	P	☆	☆	☆	☆		☆	☆	☆	☆				☆	☆	☆	☆		☆	☆	☆	☆				4.50	.177	1.00	.039	15.45	.608		
	880-08 05 W10H-P-MS	P					☆												☆								4.50	.177	1.00	.039	15.45	.608		
09P	880-09 06 W08H-P-GM	P	☆	☆	☆			☆	☆	☆		☆	☆	☆	☆					☆				☆	☆	☆	5.50	.216	0.80	.031	18.60	.732		
	880-09 06 W10H-P-LM	P	☆	☆	☆	☆		☆	☆	☆	☆				☆	☆	☆	☆		☆	☆	☆	☆				5.50	.216	1.00	.039	18.60	.732		
	880-09 06 W10H-P-MS	P					☆												☆								5.50	.216	1.00	.039	18.60	.732		

High feed

	Ordering code	INSUC	P			M			K			N			S			H			Dimensions, mm, inch							
			4044	4324	4334	4044	4324	4334	4044	4324	4334	4044	4324	4334	4044	4324	4334	4044	4324	4334	S	S"	RE	RE"	IC	IC"	W1	W1"
01P	880-01 02 W04H-P-GR	P	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	2.20	.086	0.40	.015			4.80	.188
02P	880-02 02 W05H-P-GR	P	☆	☆	☆				☆	☆	☆										2.40	.094	0.50	.019	5.10	.200		
	880-02 02 W05H-P-GT	P	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	2.40	.094	0.50	.019	5.10	.200		
03P	880-03 03 W06H-P-GR	P	☆	☆	☆				☆	☆	☆										2.60	.102	0.60	.023	6.00	.236		
	880-03 03 W06H-P-GT	P	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	2.60	.102	0.60	.023	6.00	.236		
04P	880-04 03 W07H-P-GR	P	☆	☆	☆				☆	☆	☆										2.80	.110	0.70	.027	7.40	.291		
	880-04 03 W07H-P-GT	P	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	2.80	.110	0.70	.027	7.40	.291		
05P	880-05 03 W08H-P-GR	P	☆	☆	☆				☆	☆	☆										3.00	.118	0.80	.031	8.90	.350		
	880-05 03 W08H-P-GT	P	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	3.00	.118	0.80	.031	8.90	.350		
06P	880-06 04 W10H-P-GR	P	☆	☆	☆				☆	☆	☆										3.50	.137	1.00	.039	10.65	.419		
	880-06 04 W10H-P-GT	P		☆	☆		☆	☆		☆	☆		☆	☆		☆	☆		☆	☆	3.50	.137	1.00	.039	10.65	.419		
07P	880-07 04 W12H-P-GR	P	☆	☆	☆				☆	☆	☆										4.00	.157	1.20	.047	12.65	.498		
	880-07 04 W12H-P-GT	P		☆	☆		☆	☆		☆	☆		☆	☆		☆	☆		☆	☆	4.00	.157	1.20	.047	12.65	.498		
08P	880-08 05 W12H-P-GR	P	☆	☆	☆				☆	☆	☆										4.50	.177	1.20	.047	15.45	.608		
	880-08 05 W12H-P-GT	P		☆	☆		☆	☆		☆	☆		☆	☆		☆	☆		☆	☆	4.50	.177	1.20	.047	15.45	.608		
09P	880-09 06 W12H-P-GR	P	☆	☆	☆				☆	☆	☆										5.50	.216	1.20	.047	18.60	.732		
	880-09 06 W12H-P-GT	P		☆	☆		☆	☆		☆	☆		☆	☆		☆	☆		☆	☆	5.50	.216	1.20	.047	18.60	.732		



K178



K254

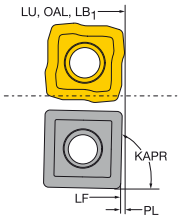


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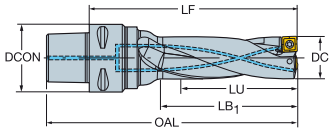
CoroDrill® 880 indexable insert drill

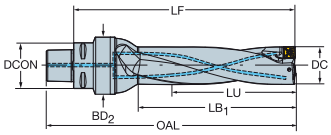
Coromant Capto®





CNSC	1	1
DSGN	1	2





Metric design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	DSGN	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	BD2	PL	KAPR	CP Bar	Kg	RPMX	MIID$_P$
12.00	01C	01P	36.00	C4	0.25	0.00	0.25	1	880-D1200C4-03	40.00	70.61	95.00	39.00		0.38	79°	10	0.3	33000	880-0102W04-P-GR
			36.00	C5	0.25	0.00	0.25	1	880-D1200C5-03	50.00	70.61	101.00	39.00		0.38	79°	10	0.5	33000	
			36.00	C6	0.25	0.00	0.25	1	880-D1200C6-03	63.00	72.61	111.00	39.00		0.38	79°	10	0.9	33000	
			48.00	C4	0.25	0.00	0.40	1	880-D1200C4-04	40.00	82.61	107.00	51.00		0.38	79°	10	0.3	22000	
			48.00	C5	0.25	0.00	0.40	1	880-D1200C5-04	50.00	82.61	113.00	51.00		0.38	79°	10	0.5	22000	
			48.00	C6	0.25	0.00	0.40	1	880-D1200C6-04	63.00	84.61	123.00	51.00		0.38	79°	10	0.9	22000	
12.50	01C	01P	38.00	C4	0.25	0.00	0.25	1	880-D1250C4-03	40.00	72.61	97.00	40.00		0.38	79°	10	0.3	33000	880-0102W04-P-GR
			38.00	C5	0.25	0.00	0.25	1	880-D1250C5-03	50.00	72.61	103.00	40.00		0.38	79°	10	0.5	33000	
			38.00	C6	0.25	0.00	0.25	1	880-D1250C6-03	63.00	74.61	113.00	40.00		0.38	79°	10	0.9	33000	
			50.00	C4	0.25	0.00	0.40	1	880-D1250C4-04	40.00	85.61	110.00	53.00		0.38	79°	10	0.3	22000	
			50.00	C5	0.25	0.00	0.40	1	880-D1250C5-04	50.00	85.61	116.00	53.00		0.38	79°	10	0.5	22000	
			50.00	C6	0.25	0.00	0.40	1	880-D1250C6-04	63.00	87.61	126.00	53.00		0.38	79°	10	0.9	22000	
12.70	01C	01P	38.00	C4	0.25	0.00	0.25	1	880-D1270C4-03	40.00	73.61	98.00	41.00		0.38	79°	10	0.3	33000	880-0102W04-P-GR
			38.00	C5	0.25	0.00	0.25	1	880-D1270C5-03	50.00	73.61	104.00	41.00		0.38	79°	10	0.5	33000	
			38.00	C6	0.25	0.00	0.25	1	880-D1270C6-03	63.00	75.61	114.00	41.00		0.38	79°	10	0.9	33000	
			51.00	C4	0.25	0.00	0.40	1	880-D1270C4-04	40.00	85.61	110.00	53.00		0.38	79°	10	0.3	22000	
			51.00	C5	0.25	0.00	0.40	1	880-D1270C5-04	50.00	85.61	116.00	53.00		0.38	79°	10	0.5	22000	
			51.00	C6	0.25	0.00	0.40	1	880-D1270C6-04	63.00	87.61	126.00	53.00		0.38	79°	10	0.9	22000	
13.00	01C	01P	39.00	C4	0.25	0.00	0.25	1	880-D1300C4-03	40.00	74.61	99.00	42.00		0.38	79°	10	0.3	33000	880-0102W04-P-GR
			39.00	C5	0.25	0.00	0.25	1	880-D1300C5-03	50.00	74.61	105.00	42.00		0.38	79°	10	0.5	33000	
			39.00	C6	0.25	0.00	0.25	1	880-D1300C6-03	63.00	76.61	115.00	42.00		0.38	79°	10	0.9	33000	
			52.00	C4	0.25	0.00	0.40	1	880-D1300C4-04	40.00	87.61	112.00	55.00		0.38	79°	10	0.3	22000	
			52.00	C5	0.25	0.00	0.40	1	880-D1300C5-04	50.00	87.61	118.00	55.00		0.38	79°	10	0.5	22000	
			52.00	C6	0.25	0.00	0.40	1	880-D1300C6-04	63.00	89.61	128.00	55.00		0.38	79°	10	0.9	22000	
13.50	01C	01P	41.00	C4	0.25	0.00	0.25	1	880-D1350C4-03	40.00	76.61	101.00	44.00		0.38	79°	10	0.3	33000	880-0102W04-P-GR
			41.00	C5	0.25	0.00	0.25	1	880-D1350C5-03	50.00	76.61	107.00	44.00		0.38	79°	10	0.5	33000	
			41.00	C6	0.25	0.00	0.25	1	880-D1350C6-03	63.00	78.61	117.00	44.00		0.38	79°	10	0.9	33000	
			54.00	C4	0.25	0.00	0.40	1	880-D1350C4-04	40.00	89.61	114.00	57.00		0.38	79°	10	0.3	22000	
			54.00	C5	0.25	0.00	0.40	1	880-D1350C5-04	50.00	89.61	120.00	57.00		0.38	79°	10	0.5	22000	
			54.00	C6	0.25	0.00	0.40	1	880-D1350C6-04	63.00	91.61	130.00	57.00		0.38	79°	10	0.9	22000	
14.00	02C	02P	42.00	C4	0.50	0.00	0.25	1	880-D1400C4-03	40.00	77.67	102.00	45.00		0.32	88°	10	0.3	33000	880-0202W04H-P-GM
			42.00	C5	0.50	0.00	0.25	1	880-D1400C5-03	50.00	77.67	108.00	45.00		0.32	88°	10	0.5	33000	
			42.00	C6	0.50	0.00	0.25	1	880-D1400C6-03	63.00	79.67	118.00	45.00		0.32	88°	10	0.9	33000	
			56.00	C4	0.50	0.00	0.40	1	880-D1400C4-04	40.00	91.70	116.00	59.00		0.29	88°	10	0.3	22000	
			56.00	C5	0.50	0.00	0.40	1	880-D1400C5-04	50.00	91.70	122.00	59.00		0.29	88°	10	0.5	22000	
			56.00	C6	0.50	0.00	0.40	1	880-D1400C6-04	63.00	93.70	132.00	59.00		0.29	88°	10	0.9	22000	
14.50	02C	02P	44.00	C4	0.45	0.00	0.25	1	880-D1450C4-03	40.00	79.67	104.00	46.00		0.32	88°	10	0.3	33000	880-0202W04H-P-GM
			44.00	C5	0.45	0.00	0.25	1	880-D1450C5-03	50.00	79.67	110.00	46.00		0.32	88°	10	0.5	33000	
			44.00	C6	0.45	0.00	0.25	1	880-D1450C6-03	63.00	81.67	120.00	46.00		0.32	88°	10	0.9	33000	
			58.00	C4	0.45	0.00	0.40	1	880-D1450C4-04	40.00	94.70	119.00	61.00		0.29	88°	10	0.3	22000	
			58.00	C5	0.45	0.00	0.40	1	880-D1450C5-04	50.00	94.70	125.00	61.00		0.29	88°	10	0.5	22000	
			58.00	C6	0.45	0.00	0.40	1	880-D1450C6-04	63.00	96.70	135.00	61.00		0.29	88°	10	0.9	22000	
15.00	02C	02P	45.00	C4	0.40	0.00	0.25	1	880-D1500C4-03	40.00	81.67	106.00	48.00		0.32	88°	10	0.3	33000	880-0202W04H-P-GM
			45.00	C5	0.40	0.00	0.25	1	880-D1500C5-03	50.00	81.67	112.00	48.00		0.32	88°	10	0.5	33000	
			45.00	C6	0.40	0.00	0.25	1	880-D1500C6-03	63.00	83.67	122.00	48.00		0.32	88°	10	0.9	33000	
			60.00	C4	0.40	0.00	0.40	1	880-D1500C4-04	40.00	96.70	121.00	63.00		0.29	88°	10	0.3	22000	
			60.00	C5	0.40	0.00	0.40	1	880-D1500C5-04	50.00	96.70	127.00	63.00		0.29	88°	10	0.5	22000	
			60.00	C6	0.40	0.00	0.40	1	880-D1500C6-04	63.00	98.70	137.00	63.00		0.29	88°	10	0.9	22000	

 K38

 O5

Q5

ISO 13399 Q1

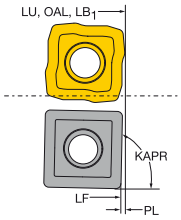
CNSC CXSC Q35

SANDVIK Coromant

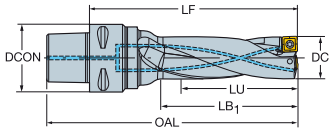
CoroDrill® 880 indexable insert drill

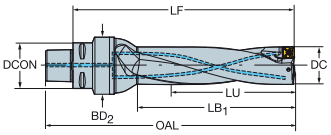
Coromant Capto®





CNSC	1	1
DSGN	1	2





Metric design

DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	DSGN	Ordering code	Dimensions DCON	LF	OAL	LB_1	BD2	PL	KAPR	CP Bar	Kg	RPMX	$MIID_P$
15.50	02C	02P	47.00	C4	0.30	0.00	0.25	1	880-D1550C4-03	40.00	83.66	108.00	50.00		0.33	88°	10	0.3	33000	880-0202W04H-P-GM
			47.00	C5	0.30	0.00	0.25	1	880-D1550C5-03	50.00	83.66	114.00	50.00		0.33	88°	10	0.5	33000	
			47.00	C6	0.30	0.00	0.25	1	880-D1550C6-03	63.00	85.66	124.00	50.00		0.33	88°	10	0.9	33000	
			62.00	C4	0.30	0.00	0.40	1	880-D1550C4-04	40.00	98.69	123.00	65.00		0.30	88°	10	0.3	22000	
			62.00	C5	0.30	0.00	0.40	1	880-D1550C5-04	50.00	98.69	129.00	65.00		0.30	88°	10	0.5	22000	
			62.00	C6	0.30	0.00	0.40	1	880-D1550C6-04	63.00	100.69	139.00	65.00		0.30	88°	10	0.9	22000	
16.00	02C	02P	48.00	C4	0.30	0.00	0.25	1	880-D1600C4-03	40.00	85.66	110.00	51.00		0.33	88°	10	0.3	33000	880-0202W04H-P-GM
			48.00	C5	0.30	0.00	0.25	1	880-D1600C5-03	50.00	85.66	116.00	51.00		0.33	88°	10	0.5	33000	
			48.00	C6	0.30	0.00	0.25	1	880-D1600C6-03	63.00	87.66	126.00	51.00		0.33	88°	10	0.9	33000	
			64.00	C4	0.30	0.00	0.40	1	880-D1600C4-04	40.00	101.69	126.00	67.00		0.30	88°	10	0.3	22000	
			64.00	C5	0.30	0.00	0.40	1	880-D1600C5-04	50.00	101.69	132.00	67.00		0.30	88°	10	0.5	22000	
			64.00	C6	0.30	0.00	0.40	1	880-D1600C6-04	63.00	103.69	142.00	67.00		0.30	88°	10	0.9	22000	
16.50	03C	03P	50.00	C4	0.60	0.00	0.25	1	880-D1650C4-03	40.00	87.63	112.00	53.00		0.36	88°	10	0.3	30000	880-0303W05H-P-GM
			50.00	C5	0.60	0.00	0.25	1	880-D1650C5-03	50.00	87.63	118.00	53.00		0.36	88°	10	0.5	30000	
			50.00	C6	0.60	0.00	0.25	1	880-D1650C6-03	63.00	89.63	128.00	53.00		0.36	88°	10	0.9	30000	
			66.00	C4	0.60	0.00	0.40	1	880-D1650C4-04	40.00	103.66	128.00	69.00		0.33	88°	10	0.4	19000	
			66.00	C5	0.60	0.00	0.40	1	880-D1650C5-04	50.00	103.66	134.00	69.00		0.33	88°	10	0.5	19000	
			66.00	C6	0.60	0.00	0.40	1	880-D1650C6-04	63.00	105.66	144.00	69.00		0.33	88°	10	0.9	19000	
17.00	03C	03P	51.00	C4	0.60	0.00	0.25	1	880-D1700C4-03	40.00	88.63	113.00	54.00		0.36	88°	10	0.3	30000	880-0303W05H-P-GM
			51.00	C5	0.60	0.00	0.25	1	880-D1700C5-03	50.00	88.63	119.00	54.00		0.36	88°	10	0.5	30000	
			51.00	C6	0.60	0.00	0.25	1	880-D1700C6-03	63.00	90.63	129.00	54.00		0.36	88°	10	0.9	30000	
			68.00	C4	0.60	0.00	0.40	1	880-D1700C4-04	40.00	105.66	130.00	71.00		0.33	88°	10	0.3	19000	
			68.00	C5	0.60	0.00	0.40	1	880-D1700C5-04	50.00	105.66	136.00	71.00		0.33	88°	10	0.5	19000	
			68.00	C6	0.60	0.00	0.40	1	880-D1700C6-04	63.00	107.66	146.00	71.00		0.33	88°	10	1.0	19000	
17.50	03C	03P	53.00	C4	0.50	0.00	0.25	1	880-D1750C4-03	40.00	91.62	116.00	56.00		0.37	88°	10	0.3	30000	880-0303W05H-P-GM
			53.00	C5	0.50	0.00	0.25	1	880-D1750C5-03	50.00	91.62	122.00	56.00		0.37	88°	10	0.5	30000	
			53.00	C6	0.50	0.00	0.25	1	880-D1750C6-03	63.00	93.62	132.00	56.00		0.37	88°	10	0.9	30000	
			70.00	C4	0.50	0.00	0.40	1	880-D1750C4-04	40.00	108.65	133.00	73.00		0.34	88°	10	0.4	19000	
			70.00	C5	0.50	0.00	0.40	1	880-D1750C5-04	50.00	108.65	139.00	73.00		0.34	88°	10	0.6	19000	
			70.00	C6	0.50	0.00	0.40	1	880-D1750C6-04	63.00	110.65	149.00	73.00		0.34	88°	10	1.0	19000	
18.00	03C	03P	54.00	C4	0.40	0.00	0.25	1	880-D1800C4-03	40.00	92.62	117.00	57.00		0.37	88°	10	0.3	30000	880-0303W05H-P-GM
			54.00	C5	0.40	0.00	0.25	1	880-D1800C5-03	50.00	92.62	123.00	57.00		0.37	88°	10	0.5	30000	
			54.00	C6	0.40	0.00	0.25	1	880-D1800C6-03	63.00	94.62	133.00	57.00		0.37	88°	10	1.0	30000	
			72.00	C4	0.40	0.00	0.40	1	880-D1800C4-04	40.00	110.65	135.00	75.00		0.34	88°	10	0.4	19000	
			72.00	C5	0.40	0.00	0.40	1	880-D1800C5-04	50.00	110.65	141.00	75.00		0.34	88°	10	0.6	19000	
			72.00	C6	0.40	0.00	0.40	1	880-D1800C6-04	63.00	112.65	151.00	75.00		0.34	88°	10	1.0	19000	
18.50	03C	03P	56.00	C4	0.40	0.00	0.25	1	880-D1850C4-03	40.00	94.62	119.00	59.00		0.37	88°	10	0.4	30000	880-0303W05H-P-GM
			56.00	C5	0.40	0.00	0.25	1	880-D1850C5-03	50.00	94.62	125.00	59.00		0.37	88°	10	0.6	30000	
			56.00	C6	0.40	0.00	0.25	1	880-D1850C6-03	63.00	96.62	135.00	59.00		0.37	88°	10	1.0	30000	
			74.00	C4	0.40	0.00	0.40	1	880-D1850C4-04	40.00	112.65	137.00	77.00		0.34	88°	10	0.4	19000	
			74.00	C5	0.40	0.00	0.40	1	880-D1850C5-04	50.00	112.65	143.00	77.00		0.34	88°	10	0.6	19000	
			74.00	C6	0.40	0.00	0.40	1	880-D1850C6-04	63.00	114.65	153.00	77.00		0.34	88°	10	1.0	19000	
19.00	03C	03P	57.00	C4	0.30	0.00	0.25	1	880-D1900C4-03	40.00	95.61	120.00	60.00		0.38	88°	10	0.4	30000	880-0303W05H-P-GM
			57.00	C5	0.30	0.00	0.25	1	880-D1900C5-03	50.00	95.61	126.00	60.00		0.38	88°	10	0.6	30000	
			57.00	C6	0.30	0.00	0.25	1	880-D1900C6-03	63.00	97.61	136.00	60.00		0.38	88°	10	1.0	30000	
			76.00	C4	0.30	0.00	0.40	1	880-D1900C4-04	40.00	114.64	139.00	79.00		0.35	88°	10	0.4	19000	
			76.00	C5	0.30	0.00	0.40	1	880-D1900C5-04	50.00	114.64	145.00	79.00		0.35	88°	10	0.6	19000	
			76.00	C6	0.30	0.00	0.40	1	880-D1900C6-04	63.00	116.64	155.00	79.00		0.35	88°	10	1.0	19000	


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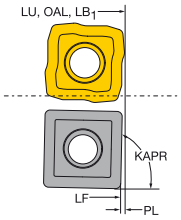


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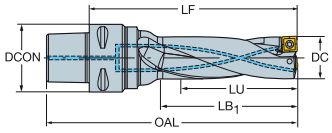
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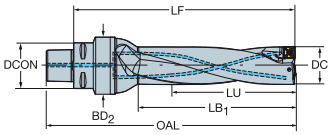
Coromant Capto®





CNSC	1	1
DSGN	1	2





Metric design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	DSGN	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	BD2	PL	KAPR	CP Bar	Kg	RPMX	MIID$_P$
19.50	03C	03P	59.00	C4	0.30	0.00	0.25	1	880-D1950C4-03	40.00	98.61	123.00	62.00		0.38	88°	10	0.4	30000	880-0303W05H-P-GM
			59.00	C5	0.30	0.00	0.25	1	880-D1950C5-03	50.00	98.61	129.00	62.00		0.38	88°	10	0.6	30000	
			59.00	C6	0.30	0.00	0.25	1	880-D1950C6-03	63.00	100.61	139.00	62.00		0.38	88°	10	1.0	30000	
			78.00	C4	0.30	0.00	0.40	1	880-D1950C4-04	40.00	118.64	143.00	82.00		0.35	88°	10	0.4	19000	
			78.00	C5	0.30	0.00	0.40	1	880-D1950C5-04	50.00	118.64	149.00	82.00		0.35	88°	10	0.6	19000	
			78.00	C6	0.30	0.00	0.40	1	880-D1950C6-04	63.00	120.64	159.00	82.00		0.35	88°	10	1.0	19000	
20.00	04C	04P	60.00	C4	0.90	0.00	0.25	1	880-D2000C4-03	40.00	100.56	125.00	64.00		0.43	88°	10	0.4	21500	880-0403W05H-P-GM
			60.00	C5	0.90	0.00	0.25	1	880-D2000C5-03	50.00	100.56	131.00	64.00		0.43	88°	10	0.6	21500	
			60.00	C6	0.90	0.00	0.25	1	880-D2000C6-03	63.00	102.56	141.00	64.00		0.43	88°	10	1.0	21500	
			80.00	C4	0.90	0.00	0.40	1	880-D2000C4-04	40.00	120.60	145.00	84.00		0.40	88°	10	0.4	17500	
			80.00	C5	0.90	0.00	0.40	1	880-D2000C5-04	50.00	120.60	151.00	84.00		0.40	88°	10	0.6	17500	
			80.00	C6	0.90	0.00	0.40	1	880-D2000C6-04	63.00	122.60	161.00	84.00		0.40	88°	10	1.0	17500	
21.00	04C	04P	63.00	C4	0.80	0.00	0.25	1	880-D2100C4-03	40.00	103.56	128.00	66.00		0.43	88°	10	0.4	21500	880-0403W05H-P-GM
			63.00	C5	0.80	0.00	0.25	1	880-D2100C5-03	50.00	103.56	134.00	66.00		0.43	88°	10	0.6	21500	
			63.00	C6	0.80	0.00	0.25	1	880-D2100C6-03	63.00	105.56	144.00	66.00		0.43	88°	10	1.0	21500	
			84.00	C4	0.80	0.00	0.40	1	880-D2100C4-04	40.00	124.59	149.00	87.00		0.40	88°	10	0.4	17500	
			84.00	C5	0.80	0.00	0.40	1	880-D2100C5-04	50.00	124.59	155.00	87.00		0.40	88°	10	0.6	17500	
			84.00	C6	0.80	0.00	0.40	1	880-D2100C6-04	63.00	126.59	165.00	87.00		0.40	88°	10	1.0	17500	
22.00	04C	04P	66.00	C4	0.60	0.00	0.25	1	880-D2200C4-03	40.00	106.55	131.00	69.00		0.44	88°	10	0.4	21500	880-0403W05H-P-GM
			66.00	C5	0.60	0.00	0.25	1	880-D2200C5-03	50.00	106.55	137.00	69.00		0.44	88°	10	0.6	21500	
			66.00	C6	0.60	0.00	0.25	1	880-D2200C6-03	63.00	108.55	147.00	69.00		0.44	88°	10	1.0	21500	
			88.00	C4	0.60	0.00	0.40	1	880-D2200C4-04	40.00	128.58	153.00	91.00		0.41	88°	10	0.4	17500	
			88.00	C5	0.60	0.00	0.40	1	880-D2200C5-04	50.00	128.58	159.00	91.00		0.41	88°	10	0.6	17500	
			88.00	C6	0.60	0.00	0.40	1	880-D2200C6-04	63.00	130.58	169.00	91.00		0.41	88°	10	1.0	17500	
23.00	04C	04P	69.00	C4	0.50	0.00	0.25	1	880-D2300C4-03	40.00	110.54	135.00	72.00		0.45	88°	10	0.4	21500	880-0403W05H-P-GM
			69.00	C5	0.50	0.00	0.25	1	880-D2300C5-03	50.00	110.54	141.00	72.00		0.45	88°	10	0.6	21500	
			69.00	C6	0.50	0.00	0.25	1	880-D2300C6-03	63.00	112.54	151.00	72.00		0.45	88°	10	1.1	21500	
			92.00	C4	0.50	0.00	0.40	1	880-D2300C4-04	40.00	133.57	158.00	95.00		0.42	88°	10	0.5	17500	
			92.00	C5	0.50	0.00	0.40	1	880-D2300C5-04	50.00	133.57	164.00	95.00		0.42	88°	10	0.7	17500	
			92.00	C6	0.50	0.00	0.40	1	880-D2300C6-04	63.00	135.57	174.00	95.00		0.42	88°	10	1.1	17500	
24.00	05C	05P	72.00	C4	1.10	0.00	0.25	1	880-D2400C4-03	40.00	114.49	139.00	76.00		0.50	88°	10	0.4	16000	880-0503W05H-P-GM
			72.00	C5	1.10	0.00	0.25	1	880-D2400C5-03	50.00	114.49	145.00	76.00		0.50	88°	10	0.6	16000	
			72.00	C6	1.10	0.00	0.25	1	880-D2400C6-03	63.00	116.49	155.00	76.00		0.50	88°	10	1.0	16000	
			96.00	C4	1.10	0.00	0.40	1	880-D2400C4-04	40.00	138.53	163.00	100.00		0.46	88°	10	0.5	15500	
			96.00	C5	1.10	0.00	0.40	1	880-D2400C5-04	50.00	138.53	169.00	100.00		0.46	88°	10	0.7	15500	
			96.00	C6	1.10	0.00	0.40	1	880-D2400C6-04	63.00	140.53	179.00	100.00		0.46	88°	10	1.1	15500	
25.00	05C	05P	75.00	C4	1.00	0.00	0.25	1	880-D2500C4-03	40.00	118.48	143.00	79.00		0.51	88°	10	0.5	16000	880-0503W05H-P-GM
			75.00	C5	1.00	0.00	0.25	1	880-D2500C5-03	50.00	118.48	149.00	79.00		0.51	88°	10	0.7	16000	
			75.00	C6	1.00	0.00	0.25	1	880-D2500C6-03	63.00	120.48	159.00	79.00		0.51	88°	10	1.1	16000	
			100.00	C4	1.00	0.00	0.40	1	880-D2500C4-04	40.00	143.52	168.00	104.00		0.47	88°	10	0.5	15500	
			100.00	C5	1.00	0.00	0.40	1	880-D2500C5-04	50.00	143.52	174.00	104.00		0.47	88°	10	0.7	15500	
			100.00	C6	1.00	0.00	0.40	1	880-D2500C6-04	63.00	145.52	184.00	104.00		0.47	88°	10	1.1	15500	
26.00	05C	05P	78.00	C4	0.90	0.00	0.25	1	880-D2600C4-03	40.00	121.47	146.00	81.00		0.52	88°	10	0.5	16000	880-0503W05H-P-GM
			78.00	C5	0.90	0.00	0.25	1	880-D2600C5-03	50.00	121.47	152.00	81.00		0.52	88°	10	0.7	16000	
			78.00	C6	0.90	0.00	0.25	1	880-D2600C6-03	63.00	123.47	162.00	81.00		0.52	88°	10	1.1	16000	
			104.00	C4	0.90	0.00	0.40	1	880-D2600C4-04	40.00	147.51	172.00	107.00		0.48	88°	10	0.6	15500	
			104.00	C5	0.90	0.00	0.40	1	880-D2600C5-04	50.00	147.51	178.00	107.00		0.48	88°	10	0.8	15500	
			104.00	C6	0.90	0.00	0.40	1	880-D2600C6-04	63.00	149.51	188.00	107.00		0.48	88°	10	1.2	15500	


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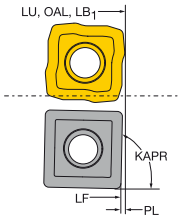
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Q35

SANDVIK Coromant

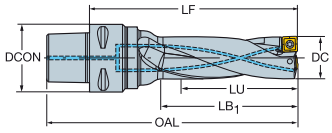
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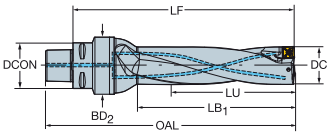
Coromant Capto®





CNSC	1	1
DSGN	1	2





Metric design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	DSGN	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	BD2	PL	KAPR	CP Bar	Kg	RPMX	MIID$_P$
27.00	05C	05P	81.00	C4	0.70	0.00	0.25	1	880-D2700C4-03	40.00	124.46	149.00	84.00		0.53	88°	10	0.5	16000	880-0503W05H-P-GM
			81.00	C5	0.70	0.00	0.25	1	880-D2700C5-03	50.00	124.46	155.00	84.00		0.53	88°	10	0.8	16000	
			81.00	C6	0.70	0.00	0.25	1	880-D2700C6-03	63.00	126.46	165.00	84.00		0.53	88°	10	1.2	16000	
			108.00	C4	0.70	0.00	0.40	1	880-D2700C4-04	40.00	151.50	176.00	111.00		0.49	88°	10	0.6	15500	
			108.00	C5	0.70	0.00	0.40	1	880-D2700C5-04	50.00	151.50	182.00	111.00		0.49	88°	10	0.8	15500	
			108.00	C6	0.70	0.00	0.40	1	880-D2700C6-04	63.00	153.50	192.00	111.00		0.49	88°	10	1.2	15500	
28.00	05C	05P	84.00	C4	0.60	0.00	0.25	1	880-D2800C4-03	40.00	128.46	153.00	87.00		0.53	88°	10	0.5	16000	880-0503W05H-P-GM
			84.00	C5	0.60	0.00	0.25	1	880-D2800C5-03	50.00	128.46	159.00	87.00		0.53	88°	10	0.8	16000	
			84.00	C6	0.60	0.00	0.25	1	880-D2800C6-03	63.00	130.46	169.00	87.00		0.53	88°	10	1.2	16000	
			112.00	C4	0.60	0.00	0.40	1	880-D2800C4-04	40.00	156.49	181.00	115.00		0.50	88°	10	0.6	15500	
			112.00	C5	0.60	0.00	0.40	1	880-D2800C5-04	50.00	156.49	187.00	115.00		0.50	88°	10	0.8	15500	
			112.00	C6	0.60	0.00	0.40	1	880-D2800C6-04	63.00	158.49	197.00	115.00		0.50	88°	10	1.2	15500	
29.00	05C	05P	87.00	C4	0.50	0.00	0.25	1	880-D2900C4-03	40.00	131.45	156.00	90.00		0.54	88°	10	0.6	16000	880-0503W05H-P-GM
			87.00	C5	0.50	0.00	0.25	1	880-D2900C5-03	50.00	131.45	162.00	90.00		0.54	88°	10	0.8	16000	
			87.00	C6	0.50	0.00	0.25	1	880-D2900C6-03	63.00	133.45	172.00	90.00		0.54	88°	10	1.2	16000	
			116.00	C4	0.50	0.00	0.40	1	880-D2900C4-04	40.00	160.48	185.00	119.00		0.51	88°	10	0.7	15500	
			116.00	C5	0.50	0.00	0.40	1	880-D2900C5-04	50.00	160.48	191.00	119.00		0.51	88°	10	0.9	15500	
			116.00	C6	0.50	0.00	0.40	1	880-D2900C6-04	63.00	162.48	201.00	119.00		0.51	88°	10	1.3	15500	
30.00	06C	06P	90.00	C4	1.12	0.00	0.25	1	880-D3000C4-03	40.00	136.41	161.00	94.00		0.58	88°	10	0.6	16000	880-0604W06H-P-GM
			90.00	C5	1.12	0.00	0.25	1	880-D3000C5-03	50.00	136.41	167.00	94.00		0.58	88°	10	0.8	16000	
			90.00	C6	1.12	0.00	0.25	1	880-D3000C6-03	63.00	138.41	177.00	94.00		0.58	88°	10	1.2	16000	
			120.00	C4	1.12	0.00	0.40	1	880-D3000C4-04	40.00	166.44	191.00	124.00		0.55	88°	10	0.7	14000	
			120.00	C5	1.12	0.00	0.40	1	880-D3000C5-04	50.00	166.44	197.00	124.00		0.55	88°	10	0.9	14000	
			120.00	C6	1.12	0.00	0.40	1	880-D3000C6-04	63.00	168.44	207.00	124.00		0.55	88°	10	1.3	14000	
31.00	06C	06P	93.00	C5	0.99	0.00	0.25	1	880-D3100C5-03	50.00	140.40	171.00	97.00		0.59	88°	10	0.9	16000	880-0604W06H-P-GM
			93.00	C6	0.99	0.00	0.25	1	880-D3100C6-03	63.00	142.40	181.00	97.00		0.59	88°	10	1.3	16000	
			124.00	C5	0.99	0.00	0.40	1	880-D3100C5-04	50.00	171.43	202.00	128.00		0.56	88°	10	1.0	14000	
			124.00	C6	0.99	0.00	0.40	1	880-D3100C6-04	63.00	173.43	212.00	128.00		0.56	88°	10	1.4	14000	
32.00	06C	06P	96.00	C5	0.87	0.00	0.25	1	880-D3200C5-03	50.00	143.39	174.00	100.00		0.60	88°	10	0.9	16000	880-0604W06H-P-GM
			96.00	C6	0.87	0.00	0.25	1	880-D3200C6-03	63.00	145.39	184.00	100.00		0.60	88°	10	1.3	16000	
			128.00	C5	0.87	0.00	0.40	1	880-D3200C5-04	50.00	175.43	206.00	132.00		0.56	88°	10	1.0	14000	
			128.00	C6	0.87	0.00	0.40	1	880-D3200C6-04	63.00	177.43	216.00	132.00		0.56	88°	10	1.4	14000	
33.00	06C	06P	99.00	C5	0.75	0.00	0.25	1	880-D3300C5-03	50.00	147.38	178.00	103.00		0.61	88°	10	1.0	16000	880-0604W06H-P-GM
			99.00	C6	0.75	0.00	0.25	1	880-D3300C6-03	63.00	149.38	188.00	103.00		0.61	88°	10	1.4	16000	
			132.00	C5	0.75	0.00	0.40	1	880-D3300C5-04	50.00	180.42	211.00	136.00		0.57	88°	10	1.1	14000	
			132.00	C6	0.75	0.00	0.40	1	880-D3300C6-04	63.00	182.42	221.00	136.00		0.57	88°	10	1.5	14000	
34.00	06C	06P	102.00	C5	0.62	0.00	0.25	1	880-D3400C5-03	50.00	150.37	181.00	106.00		0.62	88°	10	1.0	16000	880-0604W06H-P-GM
			102.00	C6	0.62	0.00	0.25	1	880-D3400C6-03	63.00	152.37	191.00	106.00		0.62	88°	10	1.4	16000	
			136.00	C5	0.62	0.00	0.40	1	880-D3400C5-04	50.00	184.41	215.00	140.00		0.58	88°	10	1.1	14000	
			136.00	C6	0.62	0.00	0.40	1	880-D3400C6-04	63.00	186.41	225.00	140.00		0.58	88°	10	1.5	14000	
35.00	06C	06P	105.00	C5	0.50	0.00	0.25	1	880-D3500C5-03	50.00	154.37	185.00	109.00		0.62	88°	10	1.1	16000	880-0604W06H-P-GM
			105.00	C6	0.50	0.00	0.25	1	880-D3500C6-03	63.00	156.37	195.00	109.00		0.62	88°	10	1.5	16000	
			140.00	C5	0.50	0.00	0.40	1	880-D3500C5-04	50.00	189.40	220.00	144.00		0.59	88°	10	1.2	14000	
			140.00	C6	0.50	0.00	0.40	1	880-D3500C6-04	63.00	191.40	230.00	144.00		0.59	88°	10	1.6	14000	
36.00	07C	07P	108.00	C5	1.38	0.00	0.25	1	880-D3600C5-03	50.00	158.32	189.00	112.00		0.67	88°	10	1.1	16000	880-0704W06H-P-GM
			108.00	C6	1.38	0.00	0.25	1	880-D3600C6-03	63.00	160.32	199.00	112.00		0.67	88°	10	1.5	16000	
			144.00	C5	1.38	0.00	0.40	1	880-D3600C5-04	50.00	194.36	225.00	148.00		0.63	88°	10	1.2	11000	
			144.00	C6	1.38	0.00	0.40	1	880-D3600C6-04	63.00	196.36	235.00	148.00		0.63	88°	10	1.6	11000	

 K38

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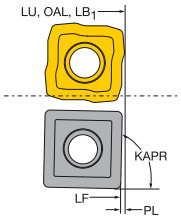
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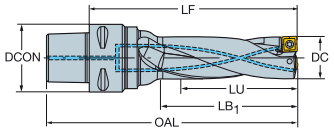
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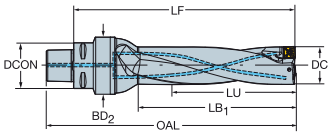
Coromant Capto®





CNSC	1	1
DSGN	1	2





Metric design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	DSGN	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	BD2	PL	KAPR	CP Bar	Kg	RPMX	MIID$_P$
37.00	07C	07P	111.00	C5	1.25	0.00	0.25	1	880-D3700C5-03	50.00	161.31	192.00	115.00		0.68	88°	10	1.1	16000	880-0704W06H-P-GM
			111.00	C6	1.25	0.00	0.25	1	880-D3700C6-03	63.00	163.31	202.00	115.00		0.68	88°	10	1.5	16000	
			148.00	C5	1.25	0.00	0.40	1	880-D3700C5-04	50.00	198.35	229.00	152.00		0.64	88°	10	1.3	11000	
			148.00	C6	1.25	0.00	0.40	1	880-D3700C6-04	63.00	200.35	239.00	152.00		0.64	88°	10	1.7	11000	
38.00	07C	07P	114.00	C5	1.13	0.00	0.25	1	880-D3800C5-03	50.00	165.31	196.00	118.00		0.68	88°	10	1.2	16000	880-0704W06H-P-GM
			114.00	C6	1.13	0.00	0.25	1	880-D3800C6-03	63.00	167.31	206.00	118.00		0.68	88°	10	1.6	16000	
			152.00	C5	1.13	0.00	0.40	1	880-D3800C5-04	50.00	203.35	234.00	156.00		0.64	88°	10	1.4	11000	
			152.00	C6	1.13	0.00	0.40	1	880-D3800C6-04	63.00	205.35	244.00	156.00		0.64	88°	10	1.8	11000	
39.00	07C	07P	117.00	C5	1.00	0.00	0.25	1	880-D3900C5-03	50.00	168.30	199.00	121.00		0.69	88°	10	1.2	16000	880-0704W06H-P-GM
			117.00	C6	1.00	0.00	0.25	1	880-D3900C6-03	63.00	170.30	209.00	121.00		0.69	88°	10	1.6	16000	
			156.00	C5	1.00	0.00	0.40	1	880-D3900C5-04	50.00	207.34	238.00	160.00		0.65	88°	10	1.4	11000	
			156.00	C6	1.00	0.00	0.40	1	880-D3900C6-04	63.00	209.34	248.00	160.00		0.65	88°	10	1.8	11000	
40.00	07C	07P	120.00	C5	0.88	0.00	0.25	1	880-D4000C5-03	50.00	172.29	203.00	124.00		0.70	88°	10	1.3	16000	880-0704W06H-P-GM
			120.00	C6	0.88	0.00	0.25	1	880-D4000C6-03	63.00	174.29	213.00	124.00		0.70	88°	10	1.7	16000	
			160.00	C5	0.88	0.00	0.40	1	880-D4000C5-04	50.00	212.33	243.00	164.00		0.66	88°	10	1.5	11000	
			160.00	C6	0.88	0.00	0.40	1	880-D4000C6-04	63.00	214.33	253.00	164.00		0.66	88°	10	1.9	11000	
41.00	07C	07P	123.00	C5	0.75	0.00	0.25	1	880-D4100C5-03	50.00	176.28	207.00	127.00		0.71	88°	10	1.3	16000	880-0704W06H-P-GM
			123.00	C6	0.75	0.00	0.25	1	880-D4100C6-03	63.00	178.28	217.00	127.00		0.71	88°	10	1.7	16000	
			164.00	C5	0.75	0.00	0.40	1	880-D4100C5-04	50.00	217.32	248.00	168.00		0.67	88°	10	1.6	11000	
			164.00	C6	0.75	0.00	0.40	1	880-D4100C6-04	63.00	219.32	258.00	168.00		0.67	88°	10	2.0	11000	
42.00	07C	07P	126.00	C5	0.63	0.00	0.25	2	880-D4200C5-03M1	50.00	199.27	230.00	130.00	62.50	0.72	88°	10	1.6	16000	880-0704W06H-P-GM
			126.00	C6	0.63	0.00	0.25	1	880-D4200C6-03M1	63.00	199.27	238.00	130.00		0.72	88°	10	1.9	16000	
			168.00	C5	0.63	0.00	0.40	2	880-D4200C5-04M1	50.00	241.31	272.00	172.00	62.50	0.68	88°	10	1.8	11000	
			168.00	C6	0.63	0.00	0.40	1	880-D4200C6-04M1	63.00	241.31	280.00	172.00		0.68	88°	10	2.1	11000	
43.00	07C	07P	129.00	C5	0.50	0.00	0.25	2	880-D4300C5-03M1	50.00	203.30	234.00	133.00	62.50	0.69	88°	10	1.7	16000	880-0704W06H-P-GM
			129.00	C6	0.50	0.00	0.25	1	880-D4300C6-03M1	63.00	203.30	242.00	133.00		0.69	88°	10	2.0	16000	
			172.00	C5	0.50	0.00	0.40	2	880-D4300C5-04M1	50.00	246.26	277.00	176.00	62.50	0.73	88°	10	1.9	11000	
			172.00	C6	0.50	0.00	0.40	1	880-D4300C6-04M1	63.00	246.26	285.00	176.00		0.73	88°	10	2.2	11000	


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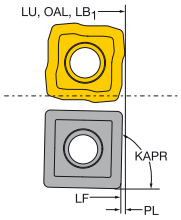
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SANDVIK Coromant

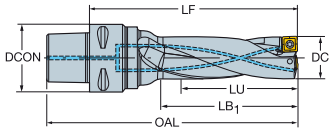
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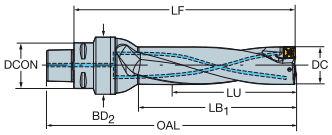
Coromant Capto®





CNSC	1	1
DSGN	1	2





Inch design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	DSGN	Ordering code	Dimensions, inch DCON	LF	OAL	LB$_1$	BD2	PL	KAPR	CP PSI	Lbs	RPMX	MIID$_P$
.500	01C	01P	1.500	C4	.009	0	.009	1	A880-D0500C4-03	1.574	2.853	3.813	1.600		.015	79°	145	0.6	33000	880-0102W04-P-GR
			1.500	C5	.009	0	.009	1	A880-D0500C5-03	1.968	2.853	4.050	1.600		.015	79°	145	1.1	33000	
			1.500	C6	.009	0	.009	1	A880-D0500C6-03	2.480	2.932	4.443	1.600		.015	79°	145	1.9	33000	
			2.000	C4	.009	0	.009	1	A880-D0500C4-04	1.574	3.353	4.313	2.100		.015	79°	145	0.6	22000	
			2.000	C5	.009	0	.009	1	A880-D0500C5-04	1.968	3.353	4.550	2.100		.015	79°	145	1.1	22000	
			2.000	C6	.009	0	.009	1	A880-D0500C6-04	2.480	3.432	4.943	2.100		.015	79°	145	1.9	22000	
.530	01C	01P	1.592	C4	.009	0	.009	1	A880-D0531C4-03	1.574	2.972	3.932	1.699		.015	79°	145	0.6	33000	880-0102W04-P-GR
			1.592	C5	.009	0	.009	1	A880-D0531C5-03	1.968	2.972	4.169	1.699		.015	79°	145	1.1	33000	
			1.592	C6	.009	0	.009	1	A880-D0531C6-03	2.480	3.049	4.561	1.699		.015	79°	145	1.9	33000	
			2.124	C4	.009	0	.015	1	A880-D0531C4-04	1.574	3.503	4.463	2.230		.015	79°	145	0.6	22000	
			2.124	C5	.009	0	.015	1	A880-D0531C5-04	1.968	3.503	4.700	2.230		.015	79°	145	1.1	22000	
			2.124	C6	.009	0	.015	1	A880-D0531C6-04	2.480	3.580	5.092	2.230		.015	79°	145	1.9	22000	
.562	02C	02P	1.685	C4	.017	0	.009	1	A880-D0562C4-03	1.574	3.104	4.061	1.810		.012	88°	145	0.6	33000	880-0202W04H-P-GM
			1.685	C5	.017	0	.009	1	A880-D0562C5-03	1.968	3.104	4.298	1.810		.012	88°	145	1.1	33000	
			1.685	C6	.017	0	.009	1	A880-D0562C6-03	2.480	3.183	4.692	1.810		.012	88°	145	1.9	33000	
			2.247	C4	.017	0	.015	1	A880-D0562C4-04	1.574	3.656	4.612	2.362		.011	88°	145	0.6	22000	
			2.247	C5	.017	0	.015	1	A880-D0562C5-04	1.968	3.656	4.849	2.362		.011	88°	145	1.1	22000	
			2.247	C6	.017	0	.015	1	A880-D0562C6-04	2.480	3.735	5.243	2.362		.011	88°	145	1.9	22000	
.625	02C	02P	1.875	C4	.009	0	.009	1	A880-D0625C4-03	1.574	3.338	4.296	2.007		.013	88°	145	0.6	33000	880-0202W04H-P-GM
			1.875	C5	.009	0	.009	1	A880-D0625C5-03	1.968	3.338	4.533	2.007		.013	88°	145	1.1	33000	
			1.875	C6	.009	0	.009	1	A880-D0625C6-03	2.480	3.417	4.927	2.007		.013	88°	145	1.9	33000	
			2.500	C4	.009	0	.015	1	A880-D0625C4-04	1.574	3.970	4.926	2.637		.011	88°	145	0.6	22000	
			2.500	C5	.009	0	.015	1	A880-D0625C5-04	1.968	3.970	5.163	2.637		.011	88°	145	1.1	22000	
			2.500	C6	.009	0	.015	1	A880-D0625C6-04	2.480	4.049	5.557	2.637		.011	88°	145	1.9	22000	
.655	03C	03P	1.967	C4	.022	0	.009	1	A880-D0656C4-03	1.574	3.473	4.432	2.087		.014	88°	145	0.6	30000	880-0303W05H-P-GM
			1.967	C5	.022	0	.009	1	A880-D0656C5-03	1.968	3.435	4.669	2.087		.014	88°	145	1.1	30000	
			1.967	C6	.022	0	.009	1	A880-D0656C6-03	2.480	3.513	5.024	2.087		.014	88°	145	1.9	30000	
			2.624	C4	.022	0	.015	1	A880-D0656C4-04	1.574	4.105	5.063	2.755		.013	88°	145	0.8	19000	
			2.624	C5	.022	0	.015	1	A880-D0656C5-04	1.968	4.105	5.300	2.755		.013	88°	145	1.1	19000	
			2.624	C6	.022	0	.015	1	A880-D0656C6-04	2.480	4.183	5.693	2.755		.013	88°	145	1.9	19000	
.687	03C	03P	2.060	C4	.020	0	.009	1	A880-D0687C4-03	1.574	3.571	4.530	2.205		.014	88°	145	0.8	30000	880-0303W05H-P-GM
			2.060	C5	.020	0	.009	1	A880-D0687C5-03	1.968	3.571	4.767	2.205		.014	88°	145	1.1	30000	
			2.060	C6	.020	0	.009	1	A880-D0687C6-03	2.480	3.650	5.161	2.205		.014	88°	145	1.9	30000	
			2.747	C4	.020	0	.015	1	A880-D0687C4-04	1.574	4.241	5.199	2.874		.013	88°	145	0.8	19000	
			2.747	C5	.020	0	.015	1	A880-D0687C5-04	1.968	4.241	5.436	2.874		.013	88°	145	1.1	19000	
			2.747	C6	.020	0	.015	1	A880-D0687C6-04	2.480	4.320	5.830	2.874		.013	88°	145	2.2	19000	
.750	03C	03P	2.250	C4	.009	0	.009	1	A880-D0750C4-03	1.574	3.805	4.765	2.402		.015	88°	145	0.8	30000	880-0303W05H-P-GM
			2.250	C5	.009	0	.009	1	A880-D0750C5-03	1.968	3.805	5.002	2.402		.015	88°	145	1.3	30000	
			2.250	C6	.009	0	.009	1	A880-D0750C6-03	2.480	3.884	5.396	2.402		.015	88°	145	2.2	30000	
			3.000	C4	.009	0	.015	1	A880-D0750C4-04	1.574	4.554	5.512	3.149		.013	88°	145	0.8	19000	
			3.000	C5	.009	0	.015	1	A880-D0750C5-04	1.968	4.554	5.749	3.149		.013	88°	145	1.3	19000	
			3.000	C6	.009	0	.015	1	A880-D0750C6-04	2.480	4.633	6.143	3.149		.013	88°	145	2.2	19000	
.812	04C	04P	2.435	C4	.031	0	.009	1	A880-D0812C4-03	1.574	4.036	4.998	2.597		.017	88°	145	0.8	21500	880-0403W05H-P-GM
			2.435	C5	.031	0	.009	1	A880-D0812C5-03	1.968	4.036	5.235	2.597		.017	88°	145	1.3	21500	
			2.435	C6	.031	0	.009	1	A880-D0812C6-03	2.480	4.115	5.628	2.597		.017	88°	145	2.2	21500	
			3.247	C4	.031	0	.015	1	A880-D0812C4-04	1.574	4.825	5.785	3.385		.015	88°	145	0.8	17500	
			3.247	C5	.031	0	.015	1	A880-D0812C5-04	1.968	4.825	6.022	3.385		.015	88°	145	1.3	17500	
			3.247	C6	.031	0	.015	1	A880-D0812C6-04	2.480	4.904	6.416	3.385		.015	88°	145	2.2	17500	

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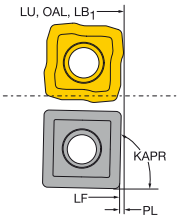
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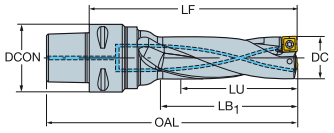
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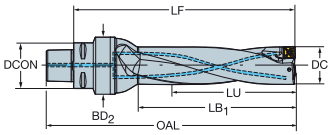
Coromant Capto®





CNSC	1	1
DSGN	1	2





Inch design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	DSGN	Ordering code	Dimensions, inch DCON	LF	OAL	LB$_1$	BD2	PL	KAPR	CP PSI	Lbs	RPMX	MIID$_P$
.875	04C	04P	2.625	C4	.022	0	.009	1	A880-D0875C4-03	1.574	4.232	5.194	2.755		.131	.017	145	0.8	21500	880-0403W05H-P-GM
			2.625	C5	.022	0	.009	1	A880-D0875C5-03	1.968	4.232	5.431	2.755		.131	.017	145	1.3	21500	
			2.625	C6	.022	0	.009	1	A880-D0875C6-03	2.480	4.311	5.825	2.755		.131	.017	145	2.2	21500	
			3.500	C4	.022	0	.015	1	A880-D0875C4-04	1.574	5.099	6.060	3.622		.131	.016	145	0.8	17500	
			3.500	C5	.022	0	.015	1	A880-D0875C5-04	1.968	5.099	6.297	3.622		.131	.016	145	1.3	17500	
			3.500	C6	.022	0	.015	1	A880-D0875C6-04	2.480	5.178	6.691	3.622		.131	.016	145	2.2	17500	
.937	04C	04P	2.810	C4	.013	0	.009	1	A880-D0937C4-03	1.574	4.465	5.428	2.952		.140	.018	145	0.8	21500	880-0403W05H-P-GM
			2.810	C5	.013	0	.009	1	A880-D0937C5-03	1.968	4.465	5.665	2.952		.140	.018	145	1.3	21500	
			2.810	C6	.013	0	.009	1	A880-D0937C6-03	2.480	4.544	6.059	2.952		.140	.018	145	2.4	21500	
			3.747	C4	.013	0	.015	1	A880-D0937C4-04	1.574	5.372	6.333	3.857		.140	.016	145	1.1	17500	
			3.747	C5	.013	0	.015	1	A880-D0937C5-04	1.968	5.372	6.570	3.857		.140	.016	145	1.5	17500	
			3.747	C6	.013	0	.015	1	A880-D0937C6-04	2.480	5.451	6.964	3.857		.140	.016	145	2.4	17500	
1.000	05C	05P	3.000	C4	.037	0	.009	1	A880-D1000C4-03	1.574	4.698	5.663	3.150		.150	.020	145	1.1	16000	880-0503W05H-P-GM
			3.000	C5	.037	0	.009	1	A880-D1000C5-03	1.968	4.698	5.900	3.150		.150	.020	145	1.5	16000	
			3.000	C6	.037	0	.009	1	A880-D1000C6-03	2.480	4.777	6.294	3.150		.150	.020	145	2.4	16000	
			4.000	C4	.037	0	.015	1	A880-D1000C4-04	1.574	5.683	6.646	4.132		.150	.018	145	1.1	15500	
			4.000	C5	.037	0	.015	1	A880-D1000C5-04	1.968	5.683	6.883	4.132		.150	.018	145	1.5	15500	
			4.000	C6	.037	0	.015	1	A880-D1000C6-04	2.480	5.762	7.277	4.132		.150	.018	145	2.4	15500	
1.062	05C	05P	3.185	C4	.029	0	.009	1	A880-D1062C4-03	1.574	4.930	5.895	3.307		.127	.020	145	1.1	16000	880-0503W05H-P-GM
			3.185	C5	.029	0	.009	1	A880-D1062C5-03	1.968	4.930	6.132	3.307		.127	.020	145	1.7	16000	
			3.185	C6	.029	0	.009	1	A880-D1062C6-03	2.480	4.971	6.488	3.307		.127	.020	145	2.6	16000	
			4.247	C4	.029	0	.015	1	A880-D1062C4-04	1.574	5.956	6.920	4.370		.127	.019	145	1.3	15500	
			4.247	C5	.029	0	.015	1	A880-D1062C5-04	1.968	5.956	7.157	4.370		.127	.019	145	1.7	15500	
			4.247	C6	.029	0	.015	1	A880-D1062C6-04	2.480	6.035	7.551	4.370		.127	.019	145	2.6	15500	
1.125	05C	05P	3.375	C4	.019	0	.009	1	A880-D1125C4-03	1.574	5.166	6.132	3.504		.135	.021	145	1.1	16000	880-0503W05H-P-GM
			3.375	C5	.019	0	.009	1	A880-D1125C5-03	1.968	5.166	6.369	3.504		.135	.021	145	1.7	16000	
			3.375	C6	.019	0	.009	1	A880-D1125C6-03	2.480	5.205	6.723	3.504		.135	.021	145	2.6	16000	
			4.500	C4	.019	0	.015	1	A880-D1125C4-04	1.574	6.268	7.233	4.645		.135	.020	145	1.3	15500	
			4.500	C5	.019	0	.015	1	A880-D1125C5-04	1.968	6.268	7.470	4.645		.135	.020	145	1.7	15500	
			4.500	C6	.019	0	.015	1	A880-D1125C6-04	2.480	6.347	7.864	4.645		.135	.020	145	2.8	15500	
1.187	06C	06P	3.560	C4	.043	0	.009	1	A880-D1187C4-03	1.574	5.361	6.329	3.700		.142	.023	145	1.3	16000	880-0604W06H-P-GM
			3.560	C5	.043	0	.009	1	A880-D1187C5-03	1.968	5.361	6.566	3.700		.142	.023	145	1.7	16000	
			3.560	C6	.043	0	.009	1	A880-D1187C6-03	2.480	5.436	6.956	3.700		.142	.023	145	2.6	16000	
			4.747	C4	.043	0	.015	1	A880-D1187C4-04	1.574	6.540	7.506	4.880		.142	.021	145	1.5	14000	
			4.747	C5	.043	0	.015	1	A880-D1187C5-04	1.968	6.540	7.743	4.880		.142	.021	145	1.9	14000	
			4.747	C6	.043	0	.015	1	A880-D1187C6-04	2.480	6.619	8.137	4.880		.142	.021	145	2.8	14000	
1.250	06C	06P	3.750	C5	.035	0	.009	1	A880-D1250C5-03	1.968	5.593	6.798	3.897		.150	.023	145	1.9	16000	880-0604W06H-P-GM
			3.750	C6	.035	0	.009	1	A880-D1250C6-03	2.480	5.672	7.192	3.897		.150	.023	145	2.8	16000	
			5.000	C5	.035	0	.015	1	A880-D1250C5-04	1.968	6.853	8.057	5.157		.150	.022	145	2.2	14000	
			5.000	C6	.035	0	.015	1	A880-D1250C6-04	2.480	6.932	8.451	5.157		.150	.022	145	3.0	14000	
1.312	06C	06P	3.936	C5	.027	0	.009	1	A880-D1312C5-03	1.968	5.826	7.032	4.095		.157	.024	145	2.2	16000	880-0604W06H-P-GM
			3.936	C6	.027	0	.009	1	A880-D1312C6-03	2.480	5.905	7.426	4.095		.157	.024	145	3.0	16000	
			5.248	C5	.027	0	.015	1	A880-D1312C5-04	1.968	7.166	8.370	5.392		.157	.022	145	2.4	14000	
			5.248	C6	.027	0	.015	1	A880-D1312C6-04	2.480	7.245	8.764	5.392		.157	.022	145	3.3	14000	
1.375	06C	06P	4.125	C5	.020	0	.009	1	A880-D1375C5-03	1.968	6.060	7.266	4.290		.165	.024	145	2.4	16000	880-0604W06H-P-GM
			4.125	C6	.020	0	.009	1	A880-D1375C6-03	2.480	6.139	7.660	4.290		.165	.024	145	3.3	16000	
			5.500	C5	.020	0	.015	1	A880-D1375C5-04	1.968	7.435	8.640	5.665		.165	.023	145	2.6	14000	
			5.500	C6	.020	0	.015	1	A880-D1375C6-04	2.480	7.514	9.034	5.665		.165	.023	145	3.5	14000	


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ISO 13399
Q1

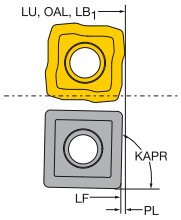
CNSC CXSC
Q35

SANDVIK Coromant

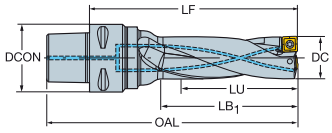
CoroDrill® 880 indexable insert drill

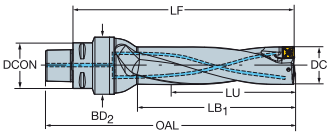
Coromant Capto®





CNSC	1	1
DSGN	1	2





Inch design

DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	DSGN	Ordering code	Dimensions, inch DCON	LF	OAL	LB_1	BD2	PL	KAPR	CP PSI	Lbs	RPMX	$MIID_P$
1.437	07C	07P	4.310	C5	.051	0	.009	1	A880-D1437C5-03	1.968	6.292	7.500	4.487		.026	88°	145	2.4	16000	880-0704W06H-P-GM
			4.310	C6	.051	0	.009	1	A880-D1437C6-03	2.480	6.371	7.894	4.487		.026	88°	145	3.3	16000	
			5.747	C5	.051	0	.015	1	A880-D1437C5-04	1.968	7.710	8.917	5.905		.025	88°	145	2.6	11000	
			5.747	C6	.051	0	.015	1	A880-D1437C6-04	2.480	7.789	9.311	5.905		.025	88°	145	3.5	11000	
1.500	07C	07P	4.500	C5	.043	0	.009	1	A880-D1500C5-03	1.968	6.487	7.696	4.645		.027	88°	145	2.6	16000	880-0704W06H-P-GM
			4.500	C6	.043	0	.009	1	A880-D1500C6-03	2.480	6.566	8.090	4.645		.027	88°	145	3.5	16000	
			6.000	C5	.043	0	.015	1	A880-D1500C5-04	1.968	7.985	9.192	6.142		.025	88°	145	3.0	11000	
			6.000	C6	.043	0	.015	1	A880-D1500C6-04	2.480	8.064	9.586	6.142		.025	88°	145	3.9	11000	
1.562	07C	07P	4.685	C5	.036	0	.009	1	A880-D1562C5-03	1.968	6.721	7.930	4.842		.027	88°	145	2.6	16000	880-0704W06H-P-GM
			4.685	C6	.036	0	.009	1	A880-D1562C6-03	2.480	6.800	8.324	4.842		.027	88°	145	3.7	16000	
			6.247	C5	.036	0	.015	1	A880-D1562C5-04	1.968	8.296	9.504	6.417		.026	88°	145	3.3	11000	
			6.247	C6	.036	0	.015	1	A880-D1562C6-04	2.480	8.375	9.898	6.417		.026	88°	145	4.1	11000	
1.625	07C	07P	4.875	C5	.028	0	.009	1	A880-D1625C5-03	1.968	6.954	8.164	5.039		.028	88°	145	2.8	16000	880-0704W06H-P-GM
			4.875	C6	.028	0	.009	1	A880-D1625C6-03	2.480	7.033	8.558	5.039		.028	88°	145	3.7	16000	
			6.500	C5	.028	0	.015	1	A880-D1625C5-04	1.968	8.571	9.779	6.654		.026	88°	145	3.5	11000	
			6.500	C6	.028	0	.015	1	A880-D1625C6-04	2.480	8.650	10.173	6.654		.026	88°	145	4.4	11000	
1.687	07C	07P	5.060	C5	.020	0	.009	2	A880-D1687C5-03	1.968	7.976	9.186	5.235	2.46	.028	88°	145	3.5	16000	880-0704W06H-P-GM
			5.060	C6	.020	0	.009	1	A880-D1687C6-03	2.480	7.976	9.501	5.235		.028	88°	145	4.4	16000	
			6.747	C5	.020	0	.015	2	A880-D1687C5-04	1.968	9.657	10.866	6.915	2.46	.027	88°	145	4.1	11000	
			6.747	C6	.020	0	.015	1	A880-D1687C6-04	2.480	9.657	11.181	6.915		.027	88°	145	4.8	11000	

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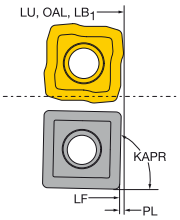
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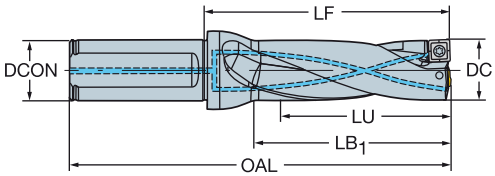
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Metric design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	PL	KAPR	CP Bar	Kg	RPMX	MIID$_P$
12.00	01C	01P	24.00	20	0.25	0.00	0.25	880-D1200L20-02	20.00	38.61	89.00	27.00	0.38	79°	10	0.2	33000	880-0102W04-P-GR
			36.00	20	0.25	0.00	0.25	880-D1200L20-03	20.00	50.61	101.00	39.00	0.38	79°	10	0.2	33000	
			48.00	20	0.25	0.00	0.40	880-D1200L20-04	20.00	62.61	113.00	51.00	0.38	79°	10	0.2	22000	
			60.00	20	0.25	0.00	0.40	880-D1200L20-05	20.00	74.61	125.00	63.00	0.38	79°	10	0.2	15000	
12.50	01C	01P	25.00	20	0.25	0.00	0.25	880-D1250L20-02	20.00	40.61	91.00	28.00	0.38	79°	10	0.2	33000	880-0102W04-P-GR
			38.00	20	0.25	0.00	0.25	880-D1250L20-03	20.00	52.61	103.00	40.00	0.38	79°	10	0.2	33000	
			50.00	20	0.25	0.00	0.40	880-D1250L20-04	20.00	65.61	116.00	53.00	0.38	79°	10	0.2	22000	
			63.00	20	0.25	0.00	0.40	880-D1250L20-05	20.00	77.61	128.00	65.00	0.38	79°	10	0.2	15000	
12.70	01C	01P	25.00	20	0.25	0.00	0.25	880-D1270L20-02	20.00	40.61	91.00	28.00	0.38	79°	10	0.2	33000	880-0102W04-P-GR
			38.00	20	0.25	0.00	0.25	880-D1270L20-03	20.00	53.61	104.00	41.00	0.38	79°	10	0.2	33000	
			51.00	20	0.25	0.00	0.40	880-D1270L20-04	20.00	65.61	116.00	53.00	0.38	79°	10	0.2	22000	
			64.00	20	0.25	0.00	0.40	880-D1270L20-05	20.00	78.61	129.00	66.00	0.38	79°	10	0.2	15000	
13.00	01C	01P	26.00	20	0.25	0.00	0.25	880-D1300L20-02	20.00	41.61	92.00	29.00	0.38	79°	10	0.2	33000	880-0102W04-P-GR
			39.00	20	0.25	0.00	0.25	880-D1300L20-03	20.00	54.61	105.00	42.00	0.38	79°	10	0.2	33000	
			52.00	20	0.25	0.00	0.40	880-D1300L20-04	20.00	67.61	118.00	55.00	0.38	79°	10	0.2	22000	
			65.00	20	0.25	0.00	0.40	880-D1300L20-05	20.00	80.61	131.00	68.00	0.38	79°	10	0.2	15000	
13.50	01C	01P	27.00	20	0.25	0.00	0.25	880-D1350L20-02	20.00	42.61	93.00	30.00	0.38	79°	10	0.2	33000	880-0102W04-P-GR
			41.00	20	0.25	0.00	0.25	880-D1350L20-03	20.00	55.61	106.00	43.00	0.38	79°	10	0.2	33000	
			54.00	20	0.25	0.00	0.40	880-D1350L20-04	20.00	69.61	120.00	57.00	0.38	79°	10	0.2	22000	
			68.00	20	0.25	0.00	0.40	880-D1350L20-05	20.00	83.61	134.00	71.00	0.38	79°	10	0.2	15000	
14.00	02C	02P	28.00	20	0.50	0.00	0.25	880-D1400L20-02	20.00	43.67	94.00	31.00	0.32	88°	10	0.2	33000	880-0202W04H-P-GM
			42.00	20	0.50	0.00	0.25	880-D1400L20-03	20.00	57.67	108.00	45.00	0.32	88°	10	0.2	33000	
			56.00	20	0.50	0.00	0.40	880-D1400L20-04	20.00	71.70	122.00	59.00	0.29	88°	10	0.2	22000	
			70.00	20	0.50	0.00	0.40	880-D1400L20-05	20.00	85.73	136.00	73.00	0.26	88°	10	0.2	15000	
14.50	02C	02P	29.00	20	0.45	0.00	0.25	880-D1450L20-02	20.00	45.67	96.00	32.00	0.32	88°	10	0.2	33000	880-0202W04H-P-GM
			44.00	20	0.45	0.00	0.25	880-D1450L20-03	20.00	59.67	110.00	46.00	0.32	88°	10	0.2	33000	
			58.00	20	0.45	0.00	0.40	880-D1450L20-04	20.00	74.70	125.00	61.00	0.29	88°	10	0.2	22000	
			73.00	20	0.45	0.00	0.40	880-D1450L20-05	20.00	88.73	139.00	75.00	0.26	88°	10	0.2	15000	
15.00	02C	02P	30.00	20	0.40	0.00	0.25	880-D1500L20-02	20.00	46.67	97.00	33.00	0.32	88°	10	0.2	33000	880-0202W04H-P-GM
			45.00	20	0.40	0.00	0.25	880-D1500L20-03	20.00	61.67	112.00	48.00	0.32	88°	10	0.2	33000	
			60.00	20	0.40	0.00	0.40	880-D1500L20-04	20.00	76.70	127.00	63.00	0.29	88°	10	0.2	22000	
			75.00	20	0.40	0.00	0.40	880-D1500L20-05	20.00	91.73	142.00	78.00	0.26	88°	10	0.2	15000	
15.50	02C	02P	31.00	20	0.30	0.00	0.25	880-D1550L20-02	20.00	48.66	99.00	35.00	0.33	88°	10	0.2	33000	880-0202W04H-P-GM
			47.00	20	0.30	0.00	0.25	880-D1550L20-03	20.00	63.66	114.00	50.00	0.33	88°	10	0.2	33000	
			62.00	20	0.30	0.00	0.40	880-D1550L20-04	20.00	78.69	129.00	65.00	0.30	88°	10	0.2	22000	
			78.00	20	0.30	0.00	0.40	880-D1550L20-05	20.00	94.72	145.00	81.00	0.27	88°	10	0.2	15000	
16.00	02C	02P	32.00	20	0.30	0.00	0.25	880-D1600L20-02	20.00	50.66	101.00	36.00	0.33	88°	10	0.2	33000	880-0202W04H-P-GM
			48.00	20	0.30	0.00	0.25	880-D1600L20-03	20.00	65.66	116.00	51.00	0.33	88°	10	0.2	33000	
			64.00	20	0.30	0.00	0.40	880-D1600L20-04	20.00	81.69	132.00	67.00	0.30	88°	10	0.2	22000	
			80.00	20	0.30	0.00	0.40	880-D1600L20-05	20.00	97.72	148.00	83.00	0.27	88°	10	0.2	15000	
16.50	03C	03P	33.00	20	0.60	0.00	0.25	880-D1650L20-02	20.00	51.63	102.00	37.00	0.36	88°	10	0.2	33000	880-0303W05H-P-GM
			50.00	20	0.60	0.00	0.25	880-D1650L20-03	20.00	67.63	118.00	53.00	0.36	88°	10	0.2	30000	
			66.00	20	0.60	0.00	0.40	880-D1650L20-04	20.00	83.66	134.00	69.00	0.33	88°	10	0.2	19000	
			83.00	20	0.60	0.00	0.40	880-D1650L20-05	20.00	100.69	151.00	86.00	0.30	88°	10	0.2	13500	
17.00	03C	03P	34.00	20	0.60	0.00	0.25	880-D1700L20-02	20.00	52.63	103.00	38.00	0.36	88°	10	0.2	33000	880-0303W05H-P-GM
			51.00	20	0.60	0.00	0.25	880-D1700L20-03	20.00	68.63	119.00	54.00	0.36	88°	10	0.2	30000	
			68.00	20	0.60	0.00	0.40	880-D1700L20-04	20.00	85.66	136.00	71.00	0.33	88°	10	0.2	19000	
			85.00	20	0.60	0.00	0.40	880-D1700L20-05	20.00	102.69	153.00	88.00	0.30	88°	10	0.2	13500	

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ISO 13399 Q1

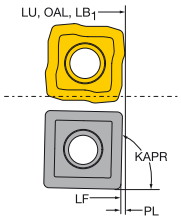
CNSC CXSC Q35

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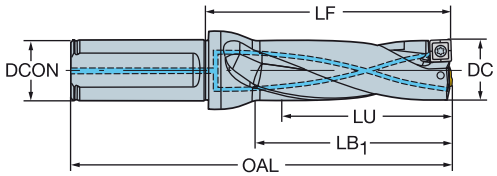
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Metric design

DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB_1	PL	KAPR	CP Bar	Kg	RPMX	$MIID_P$
17.50	03C	03P	35.00	25	0.50	0.00	0.25	880-D1750L25-02	25.00	54.62	111.00	39.00	0.37	88°	10	0.3	33000	880-0303W05H-P-GM
			53.00	25	0.50	0.00	0.25	880-D1750L25-03	25.00	71.62	128.00	56.00	0.37	88°	10	0.3	30000	
			70.00	25	0.50	0.00	0.40	880-D1750L25-04	25.00	88.65	145.00	73.00	0.34	88°	10	0.3	19000	
			88.00	25	0.50	0.00	0.40	880-D1750L25-05	25.00	106.68	163.00	91.00	0.31	88°	10	0.3	13500	
18.00	03C	03P	36.00	25	0.40	0.00	0.25	880-D1800L25-02	25.00	55.62	112.00	40.00	0.37	88°	10	0.3	33000	880-0303W05H-P-GM
			54.00	25	0.40	0.00	0.25	880-D1800L25-03	25.00	72.62	129.00	57.00	0.37	88°	10	0.3	30000	
			72.00	25	0.40	0.00	0.40	880-D1800L25-04	25.00	90.65	147.00	75.00	0.34	88°	10	0.3	19000	
			90.00	25	0.40	0.00	0.40	880-D1800L25-05	25.00	108.68	165.00	93.00	0.31	88°	10	0.3	13500	
18.50	03C	03P	37.00	25	0.40	0.00	0.25	880-D1850L25-02	25.00	56.62	113.00	41.00	0.37	88°	10	0.3	33000	880-0303W05H-P-GM
			56.00	25	0.40	0.00	0.25	880-D1850L25-03	25.00	74.62	131.00	59.00	0.37	88°	10	0.3	30000	
			74.00	25	0.40	0.00	0.40	880-D1850L25-04	25.00	92.65	149.00	77.00	0.34	88°	10	0.3	19000	
			93.00	25	0.40	0.00	0.40	880-D1850L25-05	25.00	111.68	168.00	96.00	0.31	88°	10	0.3	13500	
19.00	03C	03P	38.00	25	0.30	0.00	0.25	880-D1900L25-02	25.00	57.61	114.00	42.00	0.38	88°	10	0.3	33000	880-0303W05H-P-GM
			57.00	25	0.30	0.00	0.25	880-D1900L25-03	25.00	75.61	132.00	60.00	0.38	88°	10	0.3	30000	
			76.00	25	0.30	0.00	0.40	880-D1900L25-04	25.00	94.64	151.00	79.00	0.35	88°	10	0.3	19000	
			95.00	25	0.30	0.00	0.40	880-D1900L25-05	25.00	113.67	170.00	98.00	0.32	88°	10	0.3	13500	
19.50	03C	03P	39.00	25	0.30	0.00	0.25	880-D1950L25-02	25.00	59.61	116.00	43.00	0.38	88°	10	0.3	33000	880-0303W05H-P-GM
			59.00	25	0.30	0.00	0.25	880-D1950L25-03	25.00	78.61	135.00	62.00	0.38	88°	10	0.3	30000	
			78.00	25	0.30	0.00	0.40	880-D1950L25-04	25.00	98.64	155.00	82.00	0.35	88°	10	0.3	19000	
			98.00	25	0.30	0.00	0.40	880-D1950L25-05	25.00	117.67	174.00	101.00	0.32	88°	10	0.4	13500	
20.00	04C	04P	40.00	25	0.90	0.00	0.25	880-D2000L25-02	25.00	60.56	117.00	44.00	0.43	88°	10	0.3	21500	880-0403W05H-P-GM
			60.00	25	0.90	0.00	0.25	880-D2000L25-03	25.00	80.56	137.00	64.00	0.43	88°	10	0.3	21500	
			80.00	25	0.90	0.00	0.40	880-D2000L25-04	25.00	100.60	157.00	84.00	0.40	88°	10	0.3	17500	
			100.00	25	0.90	0.00	0.40	880-D2000L25-05	25.00	120.63	177.00	104.00	0.36	88°	10	0.4	12000	
20.50	04C	04P	62.00	25	0.80	0.00	0.25	880-D2050L25-03	25.00	81.56	138.00	65.00	0.43	88°	10	0.3	21500	880-0403W05H-P-GM
20.90	04C	04P	63.00	25	0.80	0.00	0.25	880-D2090L25-03	25.00	83.56	140.00	66.00	0.43	88°	10	0.3	21500	880-0403W05H-P-GM
21.00	04C	04P	42.00	25	0.80	0.00	0.25	880-D2100L25-02	25.00	63.56	120.00	46.00	0.43	88°	10	0.3	21500	880-0403W05H-P-GM
			63.00	25	0.80	0.00	0.25	880-D2100L25-03	25.00	83.56	140.00	66.00	0.43	88°	10	0.3	21500	
			84.00	25	0.80	0.00	0.40	880-D2100L25-04	25.00	104.59	161.00	87.00	0.40	88°	10	0.3	17500	
			105.00	25	0.80	0.00	0.40	880-D2100L25-05	25.00	125.62	182.00	108.00	0.37	88°	10	0.4	12000	
21.50	04C	04P	65.00	25	0.70	0.00	0.25	880-D2150L25-03	25.00	85.55	142.00	68.00	0.44	88°	10	0.3	21500	880-0403W05H-P-GM
22.00	04C	04P	44.00	25	0.60	0.00	0.25	880-D2200L25-02	25.00	65.55	122.00	48.00	0.44	88°	10	0.3	21500	880-0403W05H-P-GM
			66.00	25	0.60	0.00	0.25	880-D2200L25-03	25.00	86.55	143.00	69.00	0.44	88°	10	0.3	21500	
			88.00	25	0.60	0.00	0.40	880-D2200L25-04	25.00	108.58	165.00	91.00	0.41	88°	10	0.3	17500	
			110.00	25	0.60	0.00	0.40	880-D2200L25-05	25.00	130.61	187.00	113.00	0.38	88°	10	0.4	12000	
22.50	04C	04P	68.00	25	0.50	0.00	0.25	880-D2250L25-03	25.00	89.54	146.00	71.00	0.45	88°	10	0.3	21500	880-0403W05H-P-GM
23.00	04C	04P	46.00	25	0.50	0.00	0.25	880-D2300L25-02	25.00	68.54	125.00	50.00	0.45	88°	10	0.3	21500	880-0403W05H-P-GM
			69.00	25	0.50	0.00	0.25	880-D2300L25-03	25.00	90.54	147.00	72.00	0.45	88°	10	0.3	21500	
			92.00	25	0.50	0.00	0.40	880-D2300L25-04	25.00	113.57	170.00	95.00	0.42	88°	10	0.3	17500	
			115.00	25	0.50	0.00	0.40	880-D2300L25-05	25.00	137.61	194.00	119.00	0.38	88°	10	0.4	12000	
23.50	04C	04P	71.00	25	0.40	0.00	0.25	880-D2350L25-03	25.00	92.54	149.00	74.00	0.45	88°	10	0.3	21500	880-0403W05H-P-GM
23.90	04C	04P	72.00	25	0.30	0.00	0.25	880-D2390L25-03	25.00	94.53	151.00	76.00	0.46	88°	10	0.3	21500	880-0403W05H-P-GM
24.00	05C	05P	48.00	25	1.10	0.00	0.25	880-D2400L25-02	25.00	70.49	127.00	52.00	0.50	88°	10	0.4	16000	880-0503W05H-P-GM
			72.00	25	1.10	0.00	0.25	880-D2400L25-03	25.00	94.49	151.00	76.00	0.50	88°	10	0.4	16000	
			96.00	25	1.10	0.00	0.40	880-D2400L25-04	25.00	118.53	175.00	100.00	0.46	88°	10	0.4	15500	
			120.00	25	1.10	0.00	0.40	880-D2400L25-05	25.00	142.56	199.00	124.00	0.43	88°	10	0.5	10500	
24.50	05C	05P	74.00	25	1.00	0.00	0.25	880-D2450L25-03	25.00	96.49	153.00	77.00	0.50	88°	10	0.4	16000	880-0503W05H-P-GM
25.00	05C	05P	50.00	25	1.00	0.00	0.25	880-D2500L25-02	25.00	73.48	130.00	54.00	0.51	88°	10	0.4	16000	880-0503W05H-P-GM
			75.00	25	1.00	0.00	0.25	880-D2500L25-03	25.00	98.48	155.00	79.00	0.51	88°	10	0.4	16000	
			100.00	25	1.00	0.00	0.40	880-D2500L25-04	25.00	123.52	180.00	104.00	0.47	88°	10	0.4	15500	
			125.00	25	1.00	0.00	0.40	880-D2500L25-05	25.00	148.55	205.00	129.00	0.44	88°	10	0.5	10500	


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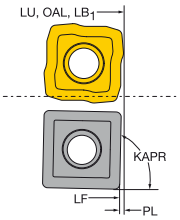
ISO 13399 Q1

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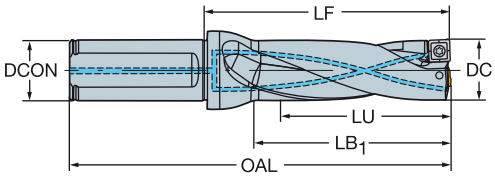
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Metric design

DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB_1	PL	KAPR	CP Bar	Kg	RPMX	$MIID_P$
25.50	05C	05P	77.00	25	0.90	0.00	0.25	880-D2550L25-03	25.00	99.48	156.00	80.00	0.51	88°	10	0.4	16000	880-0503W05H-P-GM
26.00	05C	05P	52.00	32	0.90	0.00	0.25	880-D2600L32-02	32.00	76.47	137.00	56.00	0.52	88°	10	0.5	16000	880-0503W05H-P-GM
			78.00	32	0.90	0.00	0.25	880-D2600L32-03	32.00	101.47	162.00	81.00	0.52	88°	10	0.5	16000	
			104.00	32	0.90	0.00	0.40	880-D2600L32-04	32.00	127.51	188.00	107.00	0.48	88°	10	0.5	15500	
			130.00	32	0.90	0.00	0.40	880-D2600L32-05	32.00	153.54	214.00	133.00	0.45	88°	10	0.7	10500	
26.40	05C	05P	79.00	32	0.80	0.00	0.25	880-D2640L32-03	32.00	103.47	164.00	83.00	0.52	88°	10	0.5	16000	880-0503W05H-P-GM
26.50	05C	05P	80.00	32	0.80	0.00	0.25	880-D2650L32-03	32.00	103.47	164.00	83.00	0.52	88°	10	0.5	16000	880-0503W05H-P-GM
27.00	05C	05P	54.00	32	0.70	0.00	0.25	880-D2700L32-02	32.00	78.46	139.00	58.00	0.53	88°	10	0.5	16000	880-0503W05H-P-GM
			81.00	32	0.70	0.00	0.25	880-D2700L32-03	32.00	104.46	165.00	84.00	0.53	88°	10	0.5	16000	
			108.00	32	0.70	0.00	0.40	880-D2700L32-04	32.00	131.50	192.00	111.00	0.49	88°	10	0.5	15500	
			135.00	32	0.70	0.00	0.40	880-D2700L32-05	32.00	158.53	219.00	138.00	0.46	88°	10	0.7	10500	
27.50	05C	05P	83.00	32	0.60	0.00	0.25	880-D2750L32-03	32.00	107.46	168.00	86.00	0.53	88°	10	0.5	16000	880-0503W05H-P-GM
28.00	05C	05P	56.00	32	0.60	0.00	0.25	880-D2800L32-02	32.00	81.46	142.00	60.00	0.53	88°	10	0.6	16000	880-0503W05H-P-GM
			84.00	32	0.60	0.00	0.25	880-D2800L32-03	32.00	108.46	169.00	87.00	0.53	88°	10	0.6	16000	
			112.00	32	0.60	0.00	0.40	880-D2800L32-04	32.00	136.49	197.00	115.00	0.50	88°	10	0.6	15500	
			140.00	32	0.60	0.00	0.40	880-D2800L32-05	32.00	164.53	225.00	143.00	0.46	88°	10	0.8	10500	
28.50	05C	05P	86.00	32	0.50	0.00	0.25	880-D2850L32-03	32.00	110.45	171.00	89.00	0.54	88°	10	0.6	16000	880-0503W05H-P-GM
29.00	05C	05P	58.00	32	0.50	0.00	0.25	880-D2900L32-02	32.00	83.45	144.00	62.00	0.54	88°	10	0.6	16000	880-0503W05H-P-GM
			87.00	32	0.50	0.00	0.25	880-D2900L32-03	32.00	111.45	172.00	90.00	0.54	88°	10	0.6	16000	
			116.00	32	0.50	0.00	0.40	880-D2900L32-04	32.00	140.48	201.00	119.00	0.51	88°	10	0.6	15500	
			145.00	32	0.50	0.00	0.40	880-D2900L32-05	32.00	170.52	231.00	149.00	0.47	88°	10	0.8	10500	
29.40	05C	05P	88.00	32	0.40	0.00	0.25	880-D2940L32-03	32.00	114.44	175.00	92.00	0.55	88°	10	0.6	16000	880-0503W05H-P-GM
29.50	05C	05P	89.00	32	0.40	0.00	0.25	880-D2950L32-03	32.00	114.44	175.00	92.00	0.55	88°	10	0.6	16000	880-0503W05H-P-GM
30.00	06C	06P	60.00	32	1.12	0.00	0.25	880-D3000L32-02	32.00	86.41	147.00	64.00	0.58	88°	10	0.6	16000	880-0604W06H-P-GM
			90.00	32	1.12	0.00	0.25	880-D3000L32-03	32.00	116.41	177.00	94.00	0.58	88°	10	0.7	16000	
			120.00	32	1.12	0.00	0.40	880-D3000L32-04	32.00	146.44	207.00	124.00	0.55	88°	10	0.8	14000	
			150.00	32	1.12	0.00	0.40	880-D3000L32-05	32.00	176.48	237.00	154.00	0.51	88°	10	0.9	9500	
30.50	06C	06P	92.00	32	1.05	0.00	0.25	880-D3050L32-03	32.00	117.40	178.00	95.00	0.59	88°	10	0.7	16000	880-0604W06H-P-GM
31.00	06C	06P	62.00	40	0.99	0.00	0.25	880-D3100L40-02	40.00	89.40	160.00	66.00	0.59	88°	10	1.0	16000	880-0604W06H-P-GM
			93.00	40	0.99	0.00	0.25	880-D3100L40-03	40.00	120.40	191.00	97.00	0.59	88°	10	1.1	16000	
			124.00	40	0.99	0.00	0.40	880-D3100L40-04	40.00	151.43	222.00	128.00	0.56	88°	10	1.2	14000	
			155.00	40	0.99	0.00	0.40	880-D3100L40-05	40.00	182.47	253.00	159.00	0.52	88°	10	1.3	9500	
31.50	06C	06P	95.00	40	0.93	0.00	0.25	880-D3150L40-03	40.00	121.39	192.00	98.00	0.60	88°	10	1.1	16000	880-0604W06H-P-GM
32.00	06C	06P	64.00	40	0.87	0.00	0.25	880-D3200L40-02	40.00	91.39	162.00	68.00	0.60	88°	10	1.0	16000	880-0604W06H-P-GM
			96.00	40	0.87	0.00	0.25	880-D3200L40-03	40.00	123.39	194.00	100.00	0.60	88°	10	1.1	16000	
			128.00	40	0.87	0.00	0.40	880-D3200L40-04	40.00	155.43	226.00	132.00	0.56	88°	10	1.2	14000	
			160.00	40	0.87	0.00	0.40	880-D3200L40-05	40.00	187.46	258.00	164.00	0.53	88°	10	1.3	9500	
32.50	06C	06P	98.00	40	0.81	0.00	0.25	880-D3250L40-03	40.00	125.39	196.00	101.00	0.60	88°	10	1.1	16000	880-0604W06H-P-GM
33.00	06C	06P	66.00	40	0.75	0.00	0.25	880-D3300L40-02	40.00	94.38	165.00	70.00	0.61	88°	10	1.1	16000	880-0604W06H-P-GM
			99.00	40	0.75	0.00	0.25	880-D3300L40-03	40.00	127.38	198.00	103.00	0.61	88°	10	1.2	16000	
			132.00	40	0.75	0.00	0.40	880-D3300L40-04	40.00	160.42	231.00	136.00	0.57	88°	10	1.3	14000	
			165.00	40	0.75	0.00	0.40	880-D3300L40-05	40.00	193.45	264.00	169.00	0.54	88°	10	1.4	9500	
33.50	06C	06P	101.00	40	0.68	0.00	0.25	880-D3350L40-03	40.00	129.38	200.00	105.00	0.61	88°	10	1.2	16000	880-0604W06H-P-GM
34.00	06C	06P	68.00	40	0.62	0.00	0.25	880-D3400L40-02	40.00	97.37	168.00	73.00	0.62	88°	10	1.1	16000	880-0604W06H-P-GM
			102.00	40	0.62	0.00	0.25	880-D3400L40-03	40.00	130.37	201.00	106.00	0.62	88°	10	1.2	16000	
			136.00	40	0.62	0.00	0.40	880-D3400L40-04	40.00	164.41	235.00	140.00	0.58	88°	10	1.3	14000	
			170.00	40	0.62	0.00	0.40	880-D3400L40-05	40.00	199.45	270.00	175.00	0.54	88°	10	1.4	9500	
34.50	06C	06P	104.00	40	0.56	0.00	0.25	880-D3450L40-03	40.00	133.37	204.00	108.00	0.62	88°	10	1.2	16000	880-0604W06H-P-GM
35.00	06C	06P	70.00	40	0.50	0.00	0.25	880-D3500L40-02	40.00	100.37	171.00	75.00	0.62	88°	10	1.1	16000	880-0604W06H-P-GM
			105.00	40	0.50	0.00	0.25	880-D3500L40-03	40.00	134.37	205.00	109.00	0.62	88°	10	1.2	16000	
			140.00	40	0.50	0.00	0.40	880-D3500L40-04	40.00	169.40	240.00	144.00	0.59	88°	10	1.4	14000	
			175.00	40	0.50	0.00	0.40	880-D3500L40-05	40.00	205.44	276.00	180.00	0.55	88°	10	1.5	9500	

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ISO 13399 Q1

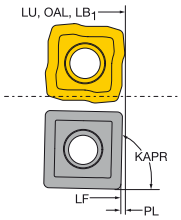
CNSC CXSC Q35

SANDVIK Coromant

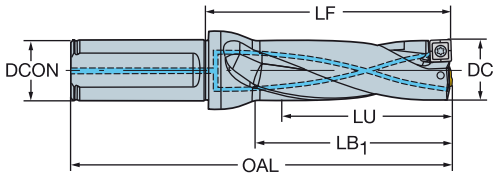
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Metric design

DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB_1	PL	KAPR	CP Bar	Kg	RPMX	$MIID_P$
35.50	06C	06P	107.00	40	0.44	0.00	0.25	880-D3550L40-03	40.00	136.36	207.00	111.00	0.63	88°	10	1.3	16000	880-0604W06H-P-GM
36.00	07C	07P	72.00	40	1.38	0.00	0.25	880-D3600L40-02	40.00	103.32	174.00	77.00	0.67	88°	10	1.2	16000	880-0704W06H-P-GM
			108.00	40	1.38	0.00	0.25	880-D3600L40-03	40.00	138.32	209.00	112.00	0.67	88°	10	1.3	16000	
			144.00	40	1.38	0.00	0.40	880-D3600L40-04	40.00	174.36	245.00	148.00	0.63	88°	10	1.4	11000	
			180.00	40	1.38	0.00	0.40	880-D3600L40-05	40.00	211.40	282.00	185.00	0.59	88°	10	1.5	7500	
37.00	07C	07P	74.00	40	1.25	0.00	0.25	880-D3700L40-02	40.00	104.31	175.00	78.00	0.68	88°	10	1.2	16000	880-0704W06H-P-GM
			111.00	40	1.25	0.00	0.25	880-D3700L40-03	40.00	141.31	212.00	115.00	0.68	88°	10	1.3	16000	
			148.00	40	1.25	0.00	0.40	880-D3700L40-04	40.00	178.35	249.00	152.00	0.64	88°	10	1.5	11000	
			185.00	40	1.25	0.00	0.40	880-D3700L40-05	40.00	215.39	286.00	189.00	0.60	88°	10	1.6	7500	
38.00	07C	07P	76.00	40	1.13	0.00	0.25	880-D3800L40-02	40.00	107.31	178.00	80.00	0.68	88°	10	1.2	16000	880-0704W06H-P-GM
			114.00	40	1.13	0.00	0.25	880-D3800L40-03	40.00	145.31	216.00	118.00	0.68	88°	10	1.4	16000	
			152.00	40	1.13	0.00	0.40	880-D3800L40-04	40.00	183.35	254.00	156.00	0.64	88°	10	1.5	11000	
			190.00	40	1.13	0.00	0.40	880-D3800L40-05	40.00	221.39	292.00	194.00	0.60	88°	10	1.7	7500	
39.00	07C	07P	78.00	40	1.00	0.00	0.25	880-D3900L40-02	40.00	109.30	180.00	82.00	0.69	88°	10	1.2	16000	880-0704W06H-P-GM
			117.00	40	1.00	0.00	0.25	880-D3900L40-03	40.00	148.30	219.00	121.00	0.69	88°	10	1.4	16000	
			156.00	40	1.00	0.00	0.40	880-D3900L40-04	40.00	187.34	258.00	160.00	0.65	88°	10	1.6	11000	
			195.00	40	1.00	0.00	0.40	880-D3900L40-05	40.00	227.38	298.00	200.00	0.61	88°	10	1.7	7500	
40.00	07C	07P	80.00	40	0.88	0.00	0.25	880-D4000L40-02	40.00	112.29	183.00	84.00	0.70	88°	10	1.3	16000	880-0704W06H-P-GM
			120.00	40	0.88	0.00	0.25	880-D4000L40-03	40.00	152.29	223.00	124.00	0.70	88°	10	1.5	16000	
			160.00	40	0.88	0.00	0.40	880-D4000L40-04	40.00	192.33	263.00	164.00	0.66	88°	10	1.7	11000	
			200.00	40	0.88	0.00	0.40	880-D4000L40-05	40.00	233.37	304.00	205.00	0.62	88°	10	1.8	7500	
41.00	07C	07P	82.00	40	0.75	0.00	0.25	880-D4100L40-02	40.00	116.28	187.00	87.00	0.71	88°	10	1.3	16000	880-0704W06H-P-GM
			123.00	40	0.75	0.00	0.25	880-D4100L40-03	40.00	156.28	227.00	127.00	0.71	88°	10	1.5	16000	
			164.00	40	0.75	0.00	0.40	880-D4100L40-04	40.00	197.32	268.00	168.00	0.67	88°	10	1.7	11000	
			205.00	40	0.75	0.00	0.40	880-D4100L40-05	40.00	239.36	310.00	210.00	0.63	88°	10	1.9	7500	
42.00	07C	07P	84.00	40	0.63	0.00	0.25	880-D4200L40-02	40.00	118.27	189.00	89.00	0.72	88°	10	1.4	16000	880-0704W06H-P-GM
			126.00	40	0.63	0.00	0.25	880-D4200L40-03	40.00	159.27	230.00	130.00	0.72	88°	10	1.6	16000	
			168.00	50	0.63	0.00	0.40	880-D4200L50-04	50.00	201.31	282.00	172.00	0.68	88°	10	2.4	11000	
			210.00	50	0.63	0.00	0.40	880-D4200L50-05	50.00	244.35	325.00	215.00	0.64	88°	10	2.6	7500	
43.00	07C	07P	86.00	40	0.50	0.00	0.25	880-D4300L40-02	40.00	121.26	192.00	91.00	0.73	88°	10	1.4	16000	880-0704W06H-P-GM
			129.00	40	0.50	0.00	0.25	880-D4300L40-03	40.00	163.26	234.00	133.00	0.73	88°	10	1.6	16000	
			172.00	50	0.50	0.00	0.40	880-D4300L50-04	50.00	206.30	287.00	176.00	0.69	88°	10	2.5	11000	
			215.00	50	0.50	0.00	0.40	880-D4300L50-05	50.00	250.34	331.00	220.00	0.65	88°	10	2.7	7500	
44.00	08C	08P	88.00	40	1.50	0.00	0.28	880-D4400L40-02	40.00	123.23	194.00	93.00	0.76	88°	10	1.4	15000	880-0805W08H-P-GM
			132.00	40	1.50	0.00	0.28	880-D4400L40-03	40.00	166.23	237.00	136.00	0.76	88°	10	1.7	15000	
			176.00	50	1.50	0.00	0.43	880-D4400L50-04	50.00	210.27	291.00	180.00	0.72	88°	10	2.6	9000	
45.00	08C	08P	90.00	40	1.40	0.00	0.28	880-D4500L40-02	40.00	126.22	197.00	95.00	0.77	88°	10	1.5	15000	880-0805W08H-P-GM
			135.00	40	1.40	0.00	0.28	880-D4500L40-03	40.00	171.22	242.00	140.00	0.77	88°	10	1.7	15000	
			180.00	50	1.40	0.00	0.43	880-D4500L50-04	50.00	216.26	297.00	185.00	0.73	88°	10	2.6	9000	
46.00	08C	08P	92.00	40	1.30	0.00	0.28	880-D4600L40-02	40.00	129.22	200.00	97.00	0.78	88°	10	1.5	15000	880-0805W08H-P-GM
			138.00	40	1.30	0.00	0.28	880-D4600L40-03	40.00	175.22	246.00	143.00	0.78	88°	10	1.8	15000	
			184.00	50	1.30	0.00	0.43	880-D4600L50-04	50.00	221.26	302.00	189.00	0.74	88°	10	2.7	9000	
47.00	08C	08P	94.00	40	1.10	0.00	0.28	880-D4700L40-02	40.00	131.21	202.00	99.00	0.78	88°	10	1.8	15000	880-0805W08H-P-GM
			141.00	40	1.10	0.00	0.28	880-D4700L40-03	40.00	178.21	249.00	146.00	0.78	88°	10	2.1	15000	
			188.00	50	1.10	0.00	0.43	880-D4700L50-04	50.00	225.25	306.00	193.00	0.74	88°	10	2.8	9000	
48.00	08C	08P	96.00	40	1.00	0.00	0.28	880-D4800L40-02	40.00	134.20	205.00	101.00	0.79	88°	10	1.9	15000	880-0805W08H-P-GM
			144.00	40	1.00	0.00	0.28	880-D4800L40-03	40.00	182.20	253.00	149.00	0.79	88°	10	2.2	15000	
			192.00	50	1.00	0.00	0.43	880-D4800L50-04	50.00	230.24	311.00	197.00	0.75	88°	10	2.9	9000	
49.00	08C	08P	98.00	40	0.90	0.00	0.28	880-D4900L40-02	40.00	136.19	207.00	103.00	0.80	88°	10	1.9	15000	880-0805W08H-P-GM
			147.00	40	0.90	0.00	0.28	880-D4900L40-03	40.00	185.19	256.00	152.00	0.80	88°	10	2.3	15000	
			196.00	50	0.90	0.00	0.43	880-D4900L50-04	50.00	234.23	315.00	201.00	0.76	88°	10	3.0	9000	


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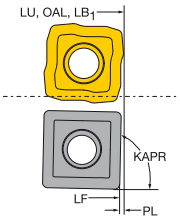


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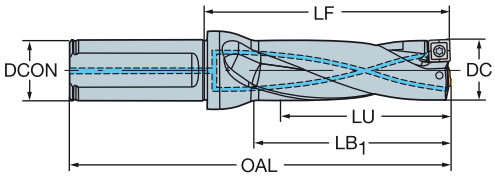
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Metric design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	PL	KAPR	CP Bar	Kg	RPMX	MIID$_P$
50.00	08C	08P	100.00	40	0.80	0.00	0.28	880-D5000L40-02	40.00	139.18	210.00	105.00	0.81	88°	10	2.0	15000	880-0805W08H-P-GM
			150.00	40	0.80	0.00	0.28	880-D5000L40-03	40.00	189.18	260.00	155.00	0.81	88°	10	2.3	15000	
			200.00	50	0.80	0.00	0.43	880-D5000L50-04	50.00	239.22	320.00	205.00	0.77	88°	10	3.1	9000	
51.00	08C	08P	102.00	40	0.60	0.00	0.28	880-D5100L40-02	40.00	143.18	214.00	108.00	0.82	88°	10	2.1	15000	880-0805W08H-P-GM
			153.00	40	0.60	0.00	0.28	880-D5100L40-03	40.00	193.18	264.00	158.00	0.82	88°	10	2.4	15000	
			204.00	50	0.60	0.00	0.43	880-D5100L50-04	50.00	244.22	325.00	209.00	0.78	88°	10	3.2	9000	
52.00	08C	08P	104.00	40	0.50	0.00	0.28	880-D5200L40-02	40.00	145.17	216.00	110.00	0.82	88°	10	2.1	15000	880-0805W08H-P-GM
			156.00	40	0.50	0.00	0.28	880-D5200L40-03	40.00	196.17	267.00	161.00	0.82	88°	10	2.5	15000	
			208.00	50	0.50	0.00	0.43	880-D5200L50-04	50.00	248.21	329.00	213.00	0.78	88°	10	3.3	9000	
53.00	09C	09P	106.00	40	2.00	0.00	0.30	880-D5300L40-02	40.00	148.12	219.00	112.00	0.87	88°	10	2.2	5000	880-0906W08H-P-GM
			159.00	40	2.00	0.00	0.30	880-D5300L40-03	40.00	200.12	271.00	164.00	0.87	88°	10	2.6	5000	
			212.00	50	2.00	0.00	0.45	880-D5300L50-04	50.00	253.16	334.00	217.00	0.83	88°	10	3.4	5000	
54.00	09C	09P	108.00	40	1.90	0.00	0.30	880-D5400L40-02	40.00	150.11	221.00	114.00	0.88	88°	10	2.2	5000	880-0906W08H-P-GM
			162.00	40	1.90	0.00	0.30	880-D5400L40-03	40.00	203.11	274.00	167.00	0.88	88°	10	2.7	5000	
			216.00	50	1.90	0.00	0.45	880-D5400L50-04	50.00	257.15	338.00	221.00	0.84	88°	10	3.5	5000	
55.00	09C	09P	110.00	40	1.70	0.00	0.30	880-D5500L40-02	40.00	153.10	224.00	116.00	0.89	88°	10	2.3	5000	880-0906W08H-P-GM
			165.00	40	1.70	0.00	0.30	880-D5500L40-03	40.00	208.10	279.00	171.00	0.89	88°	10	2.8	5000	
			220.00	50	1.70	0.00	0.45	880-D5500L50-04	50.00	263.14	344.00	226.00	0.85	88°	10	3.7	5000	
56.00	09C	09P	112.00	40	1.60	0.00	0.30	880-D5600L40-02	40.00	156.10	227.00	118.00	0.89	88°	10	2.4	5000	880-0906W08H-P-GM
			168.00	40	1.60	0.00	0.30	880-D5600L40-03	40.00	212.10	283.00	174.00	0.89	88°	10	2.9	5000	
			224.00	50	1.60	0.00	0.45	880-D5600L50-04	50.00	268.14	349.00	230.00	0.85	88°	10	3.8	5000	
57.00	09C	09P	114.00	40	1.50	0.00	0.30	880-D5700L40-02	40.00	158.09	229.00	120.00	0.90	88°	10	2.4	5000	880-0906W08H-P-GM
			171.00	40	1.50	0.00	0.30	880-D5700L40-03	40.00	215.09	286.00	177.00	0.90	88°	10	3.0	5000	
			228.00	50	1.50	0.00	0.45	880-D5700L50-04	50.00	272.13	353.00	234.00	0.86	88°	10	3.9	5000	
58.00	09C	09P	116.00	40	1.40	0.00	0.30	880-D5800L40-02	40.00	161.08	232.00	122.00	0.91	88°	10	2.9	5000	880-0906W08H-P-GM
			174.00	40	1.40	0.00	0.30	880-D5800L40-03	40.00	219.08	290.00	180.00	0.91	88°	10	3.1	5000	
			232.00	50	1.40	0.00	0.45	880-D5800L50-04	50.00	277.12	358.00	238.00	0.87	88°	10	4.0	5000	
59.00	09C	09P	118.00	40	1.20	0.00	0.30	880-D5900L40-02	40.00	163.07	234.00	124.00	0.92	88°	10	2.6	5000	880-0906W08H-P-GM
			177.00	40	1.20	0.00	0.30	880-D5900L40-03	40.00	222.07	293.00	183.00	0.92	88°	10	3.2	5000	
60.00	09C	09P	120.00	40	1.10	0.00	0.30	880-D6000L40-02	40.00	166.06	237.00	126.00	0.93	88°	10	2.7	5000	880-0906W08H-P-GM
			180.00	40	1.10	0.00	0.30	880-D6000L40-03	40.00	226.06	297.00	186.00	0.93	88°	10	3.3	5000	
61.00	09C	09P	122.00	40	1.00	0.00	0.30	880-D6100L40-02	40.00	170.06	241.00	129.00	0.93	88°	10	2.8	5000	880-0906W08H-P-GM
			183.00	40	1.00	0.00	0.30	880-D6100L40-03	40.00	231.06	302.00	190.00	0.93	88°	10	3.4	5000	
62.00	09C	09P	124.00	40	0.80	0.00	0.30	880-D6200L40-02	40.00	172.05	243.00	131.00	0.94	88°	10	2.8	5000	880-0906W08H-P-GM
			186.00	40	0.80	0.00	0.30	880-D6200L40-03	40.00	234.05	305.00	193.00	0.94	88°	10	3.5	5000	
63.00	09C	09P	126.00	40	0.70	0.00	0.30	880-D6300L40-02	40.00	175.04	246.00	133.00	0.95	88°	10	2.9	5000	880-0906W08H-P-GM
			189.00	40	0.70	0.00	0.30	880-D6300L40-03	40.00	238.04	309.00	196.00	0.95	88°	10	3.6	5000	

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ISO 13399 Q1

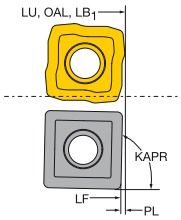
CNSC CXSC Q35

SANDVIK Coromant

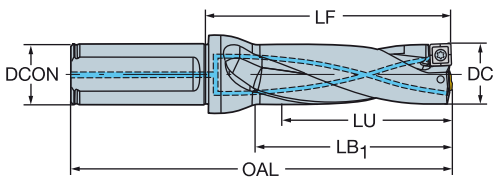
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Inch design

DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions, inch DCON	LF	OAL	LB_1	PL	KAPR	CP PSI	Lbs	RPMX	$MIID_P$
.500	01C	01P	1.000	3/4	.009	0	.009	A880-D0500LX19-02	.750	1.566	3.550	1.100	.015	79°	145	0.4	33000	880-0102W04-P-GR
			1.500	3/4	.009	0	.009	A880-D0500LX19-03	.750	2.066	4.050	1.600	.015	79°	145	0.4	33000	
			2.000	3/4	.009	0	.015	A880-D0500LX19-04	.750	2.566	4.550	2.100	.015	79°	145	0.4	22000	
			2.500	3/4	.009	0	.015	A880-D0500LX19-05	.750	3.066	5.050	2.600	.015	79°	145	0.4	15000	
.530	01C	01P	1.062	3/4	.009	0	.009	A880-D0531LX19-02	.750	1.652	3.636	1.167	.015	79°	145	0.4	33000	880-0102W04-P-GR
			1.592	3/4	.009	0	.009	A880-D0531LX19-03	.750	2.183	4.167	1.699	.015	79°	145	0.4	33000	
			2.124	3/4	.009	0	.015	A880-D0531LX19-04	.750	2.704	4.688	2.230	.015	79°	145	0.4	22000	
			2.655	3/4	.009	0	.015	A880-D0531LX19-05	.750	3.239	5.223	2.755	.015	79°	145	0.4	15000	
.562	02C	02P	1.124	3/4	.017	0	.009	A880-D0562LX19-02	.750	1.743	3.724	1.237	.012	88°	145	0.4	33000	880-0202W04H-P-GM
			1.685	3/4	.017	0	.009	A880-D0562LX19-03	.750	2.317	4.298	1.810	.012	88°	145	0.4	33000	
			2.247	3/4	.017	0	.015	A880-D0562LX19-04	.750	2.869	4.849	2.362	.011	88°	145	0.4	22000	
			2.810	3/4	.017	0	.015	A880-D0562LX19-05	.750	3.430	5.409	2.922	.010	88°	145	0.4	15000	
.625	02C	02P	1.250	3/4	.009	0	.009	A880-D0625LX19-02	.750	1.919	3.900	1.375	.012	88°	145	0.4	33000	880-0202W04H-P-GM
			1.875	3/4	.009	0	.009	A880-D0625LX19-03	.750	2.551	4.533	2.007	.013	88°	145	0.4	33000	
			2.500	3/4	.010	0	.015	A880-D0625LX19-04	.750	3.183	5.163	2.637	.011	88°	145	0.4	22000	
			3.125	3/4	.010	0	.015	A880-D0625LX19-05	.750	3.796	5.775	3.250	.010	88°	145	0.4	15000	
.655	03C	03P	1.312	3/4	.022	0	.009	A880-D0656LX19-02	.750	2.003	3.986	1.442	.014	88°	145	0.4	33000	880-0303W05H-P-GM
			1.967	3/4	.022	0	.009	A880-D0656LX19-03	.750	2.686	4.669	2.125	.014	88°	145	0.4	30000	
			2.624	3/4	.023	0	.015	A880-D0656LX19-04	.750	3.317	5.299	2.755	.013	88°	145	0.4	19000	
			3.280	3/4	.023	0	.015	A880-D0656LX19-05	.750	3.973	5.954	3.410	.012	88°	145	0.4	13500	
.687	03C	03P	1.374	1	.020	0	.009	A880-D0687LX25-02	1.000	2.077	4.296	1.497	.014	88°	145	0.6	33000	880-0303W05H-P-GM
			2.060	1	.020	0	.009	A880-D0687LX25-03	1.000	2.784	5.003	2.205	.014	88°	145	0.6	30000	
			2.747	1	.020	0	.015	A880-D0687LX25-04	1.000	3.454	5.672	2.874	.013	88°	145	0.6	19000	
			3.435	1	.020	0	.015	A880-D0687LX25-05	1.000	4.153	6.370	3.572	.012	88°	145	0.6	13500	
.750	03C	03P	1.500	1	.009	0	.009	A880-D0750LX25-02	1.000	2.251	4.471	1.635	.015	88°	145	0.6	33000	880-0303W05H-P-GM
			2.250	1	.009	0	.009	A880-D0750LX25-03	1.000	3.018	5.238	2.402	.015	88°	145	0.6	30000	
			3.000	1	.009	0	.015	A880-D0750LX25-04	1.000	3.767	5.985	3.149	.013	88°	145	0.6	19000	
			3.750	1	.009	0	.015	A880-D0750LX25-05	1.000	4.504	6.721	3.884	.012	88°	145	0.6	13500	
.812	04C	04P	1.624	1	.031	0	.009	A880-D0812LX25-02	1.000	2.421	4.643	1.770	.017	88°	145	0.6	21500	880-0403W05H-P-GM
			2.435	1	.031	0	.009	A880-D0812LX25-03	1.000	3.249	5.471	2.597	.017	88°	145	0.6	21500	
			3.247	1	.031	0	.015	A880-D0812LX25-04	1.000	4.038	6.258	3.385	.015	88°	145	0.7	17500	
			4.060	1	.031	0	.015	A880-D0812LX25-05	1.000	4.860	7.079	4.205	.014	88°	145	0.7	12000	
.875	04C	04P	1.750	1	.022	0	.009	A880-D0875LX25-02	1.000	2.618	4.840	1.929	.017	88°	145	0.6	21500	880-0403W05H-P-GM
			2.625	1	.022	0	.009	A880-D0875LX25-03	1.000	3.445	5.667	2.755	.017	88°	145	0.6	21500	
			3.500	1	.022	0	.015	A880-D0875LX25-04	1.000	4.312	6.533	3.622	.016	88°	145	0.7	17500	
			4.375	1	.022	0	.015	A880-D0875LX25-05	1.000	5.197	7.417	4.505	.015	88°	145	0.7	12000	
.937	04C	04P	1.874	1	.013	0	.009	A880-D0937LX25-02	1.000	2.768	4.991	2.042	.018	88°	145	0.6	21500	880-0403W05H-P-GM
			2.810	1	.013	0	.009	A880-D0937LX25-03	1.000	3.678	5.901	2.952	.018	88°	145	0.6	21500	
			3.747	1	.013	0	.015	A880-D0937LX25-04	1.000	4.585	6.806	3.857	.016	88°	145	0.7	17500	
			4.685	1	.013	0	.015	A880-D0937LX25-05	1.000	5.553	7.773	4.825	.015	88°	145	1.1	12000	
1.000	05C	05P	2.000	1	.037	0	.009	A880-D1000LX25-02	1.000	2.941	5.166	2.180	.020	88°	145	0.7	16000	880-0503W05H-P-GM
			3.000	1	.037	0	.009	A880-D1000LX25-03	1.000	3.911	6.136	3.150	.020	88°	145	0.7	16000	
			4.000	1	.037	0	.015	A880-D1000LX25-04	1.000	4.896	7.119	4.132	.018	88°	145	1.1	15500	
			5.000	1	.037	0	.015	A880-D1000LX25-05	1.000	5.914	8.136	5.150	.017	88°	145	1.2	10500	

 K38

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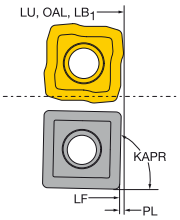
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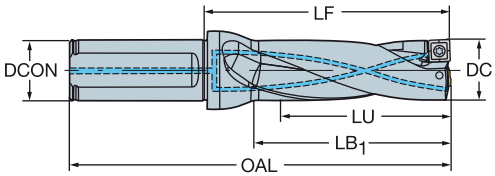
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Inch design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions, inch DCON	LF	OAL	LB$_1$	PL	KAPR	CP PSI	Lbs	RPMX	MIID$_P$
1.062	05C	05P	2.124	1 1/4	.029	0	.009	A880-D1062LX31-02	1.250	3.081	5.464	2.282	.020	88°	145	0.7	16000	880-0503W05H-P-GM
			3.185	1 1/4	.029	0	.009	A880-D1062LX31-03	1.250	4.143	6.526	3.345	.020	88°	145	0.7	16000	
			4.247	1 1/4	.029	0	.015	A880-D1062LX31-04	1.250	5.169	7.551	4.370	.019	88°	145	1.5	15500	
			5.310	1 1/4	.029	0	.015	A880-D1062LX31-05	1.250	6.237	8.618	5.437	.018	88°	145	1.5	10500	
1.125	05C	05P	2.250	1 1/4	.019	0	.009	A880-D1125LX31-02	1.250	3.275	5.659	2.440	.021	88°	145	0.7	16000	880-0503W05H-P-GM
			3.375	1 1/4	.019	0	.009	A880-D1125LX31-03	1.250	4.379	6.763	3.544	.021	88°	145	0.7	16000	
			4.500	1 1/4	.019	0	.015	A880-D1125LX31-04	1.250	5.481	7.864	4.645	.020	88°	145	1.5	15500	
			5.625	1 1/4	.019	0	.015	A880-D1125LX31-05	1.250	6.598	8.979	5.760	.018	88°	145	1.5	10500	
1.187	06C	06P	2.374	1 1/4	.043	0	.009	A880-D1187LX31-02	1.250	3.387	5.773	2.517	.023	88°	145	1.2	16000	880-0604W06H-P-GM
			3.560	1 1/4	.043	0	.009	A880-D1187LX31-03	1.250	4.574	6.960	3.704	.023	88°	145	1.5	16000	
			4.747	1 1/4	.043	0	.015	A880-D1187LX31-04	1.250	5.763	8.147	4.890	.021	88°	145	1.5	14000	
			5.935	1 1/4	.043	0	.015	A880-D1187LX31-05	1.250	6.950	9.333	6.077	.020	88°	145	1.8	10500	
1.250	06C	06P	2.500	1 1/2	.035	0	.009	A880-D1250LX38-02	1.500	3.558	6.337	2.650	.023	88°	145	1.8	16000	880-0604W06H-P-GM
			3.750	1 1/2	.035	0	.009	A880-D1250LX38-03	1.500	4.808	7.587	3.900	.023	88°	145	2.3	16000	
			5.000	1 1/2	.035	0	.015	A880-D1250LX38-04	1.500	6.059	8.837	5.150	.022	88°	145	2.3	14000	
			6.250	1 1/2	.035	0	.015	A880-D1250LX38-05	1.500	7.311	10.087	6.400	.020	88°	145	2.3	10500	
1.312	06C	06P	2.624	1 1/2	.027	0	.009	A880-D1312LX38-02	1.500	3.726	6.506	2.782	.024	88°	145	1.8	16000	880-0604W06H-P-GM
			3.936	1 1/2	.027	0	.009	A880-D1312LX38-03	1.500	5.038	7.818	4.094	.024	88°	145	2.3	16000	
			5.248	1 1/2	.027	0	.015	A880-D1312LX38-04	1.500	6.352	9.130	5.405	.022	88°	145	2.3	14000	
			6.560	1 1/2	.027	0	.015	A880-D1312LX38-05	1.500	7.664	10.441	6.717	.021	88°	145	2.8	10500	
1.375	06C	06P	2.750	1 1/2	.020	0	.009	A880-D1375LX38-02	1.500	3.897	6.677	2.915	.024	88°	145	2.3	16000	880-0604W06H-P-GM
			4.125	1 1/2	.020	0	.009	A880-D1375LX38-03	1.500	5.272	8.052	4.290	.024	88°	145	2.3	16000	
			5.500	1 1/2	.020	0	.015	A880-D1375LX38-04	1.500	6.648	9.427	5.665	.023	88°	145	2.8	14000	
			6.875	1 1/2	.020	0	.015	A880-D1375LX38-05	1.500	8.025	10.802	7.040	.021	88°	145	2.8	10500	
1.437	07C	07P	2.874	1 1/2	.051	0	.009	A880-D1437LX38-02	1.500	4.064	6.846	3.047	.026	88°	145	2.3	16000	880-0704W06H-P-GM
			4.310	1 1/2	.051	0	.009	A880-D1437LX38-03	1.500	5.500	8.282	4.482	.026	88°	145	2.8	16000	
			5.747	1 1/2	.051	0	.015	A880-D1437LX38-04	1.500	6.938	9.719	5.920	.025	88°	145	2.8	11000	
			7.185	1 1/2	.051	0	.015	A880-D1437LX38-05	1.500	8.377	11.156	7.357	.023	88°	145	2.8	7500	
1.500	07C	07P	3.000	1 1/2	.043	0	.009	A880-D1500LX38-02	1.500	4.204	6.987	3.150	.027	88°	145	2.3	16000	880-0704W06H-P-GM
			4.500	1 1/2	.043	0	.009	A880-D1500LX38-03	1.500	5.704	8.487	4.650	.027	88°	145	2.8	16000	
			6.000	1 1/2	.043	0	.015	A880-D1500LX38-04	1.500	7.206	9.987	6.150	.025	88°	145	2.8	11000	
			7.500	1 1/2	.043	0	.015	A880-D1500LX38-05	1.500	8.707	11.487	7.650	.024	88°	145	3.5	7500	
1.562	07C	07P	3.124	1 1/2	.036	0	.009	A880-D1562LX38-02	1.500	4.371	7.154	3.280	.027	88°	145	2.3	16000	880-0704W06H-P-GM
			4.685	1 1/2	.036	0	.009	A880-D1562LX38-03	1.500	5.933	8.716	4.842	.027	88°	145	2.3	16000	
			6.247	1 1/2	.036	0	.015	A880-D1562LX38-04	1.500	7.496	10.278	6.404	.026	88°	145	3.5	11000	
			7.810	1 1/2	.036	0	.015	A880-D1562LX38-05	1.500	9.060	11.840	7.965	.024	88°	145	3.5	7500	
1.625	07C	07P	3.250	1 1/2	.028	0	.009	A880-D1625LX38-02	1.500	4.541	7.325	3.412	.028	88°	145	2.8	16000	880-0704W06H-P-GM
			4.875	1 1/2	.028	0	.009	A880-D1625LX38-03	1.500	6.165	8.949	5.037	.028	88°	145	2.8	16000	
			6.500	1 1/2	.028	0	.015	A880-D1625LX38-04	1.500	7.792	10.574	6.662	.026	88°	145	3.5	11000	
			8.125	1 1/2	.028	0	.015	A880-D1625LX38-05	1.500	9.419	12.200	8.287	.025	88°	145	3.5	7500	
1.687	07C	07P	3.374	1 1/2	.020	0	.009	A880-D1687LX38-02	1.500	4.708	7.492	3.542	.028	88°	145	2.8	16000	880-0704W06H-P-GM
			5.060	1 1/2	.020	0	.009	A880-D1687LX38-03	1.500	6.394	9.178	5.229	.028	88°	145	3.5	16000	
			6.747	1 1/2	.020	0	.015	A880-D1687LX38-04	1.500	8.082	10.865	6.915	.027	88°	145	3.5	11000	
			8.435	1 1/2	.020	0	.015	A880-D1687LX38-05	1.500	9.772	12.553	8.604	.025	88°	145	3.5	7500	

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ISO 13399 Q1

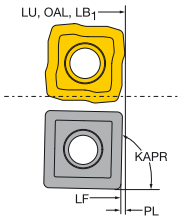
CNSC CXSC Q35

SANDVIK Coromant

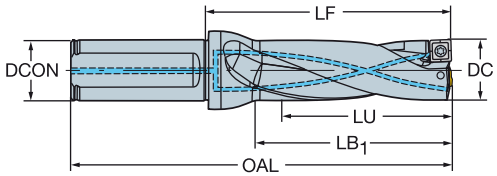
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Inch design

DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions, inch DCON	LF	OAL	LB_1	PL	KAPR	CP PSI	Lbs	RPMX	$MIID_P$
1.750	08C	08P	3.500	1 1/2	.056	0	.011	A880-D1750LX38-02	1.500	4.876	7.662	3.675	.030	88°	145	2.8	15000	880-0805W08H-P-GM
			5.250	1 1/2	.056	0	.011	A880-D1750LX38-03	1.500	6.626	9.412	5.425	.030	88°	145	3.5	15000	
			7.000	1 1/2	.056	0	.016	A880-D1750LX38-04	1.500	8.378	11.162	7.175	.028	88°	145	3.5	9000	
1.875	08C	08P	3.750	1 1/2	.041	0	.011	A880-D1875LX38-02	1.500	5.213	8.000	3.937	.031	88°	145	3.5	15000	880-0805W08H-P-GM
			5.625	1 1/2	.041	0	.011	A880-D1875LX38-03	1.500	7.088	9.875	5.812	.031	88°	145	3.5	15000	
			7.500	1 1/2	.041	0	.016	A880-D1875LX38-04	1.500	8.963	11.748	7.685	.029	88°	145	4.8	9000	
2.000	08C	08P	4.000	1 1/2	.025	0	.011	A880-D2000LX38-02	1.500	5.549	8.337	4.200	.032	88°	145	3.5	15000	880-0805W08H-P-GM
			6.000	1 1/2	.025	0	.011	A880-D2000LX38-03	1.500	7.549	10.337	6.200	.032	88°	145	4.8	15000	
			8.000	1 1/2	.025	0	.016	A880-D2000LX38-04	1.500	9.551	12.337	8.200	.030	88°	145	4.8	9000	
2.125	09C	09P	4.250	1 1/2	.073	0	.011	A880-D2125LX38-02	1.500	5.885	8.675	4.462	.034	88°	145	4.8	5000	880-0906W08H-P-GM
			6.375	1 1/2	.073	0	.011	A880-D2125LX38-03	1.500	8.010	10.800	6.587	.034	88°	145	4.8	5000	
			8.500	1 1/2	.073	0	.017	A880-D2125LX38-04	1.500	10.136	12.925	8.712	.033	88°	145	6.9	5000	
2.250	09C	09P	4.500	1 1/2	.060	0	.011	A880-D2250LX38-02	1.500	6.221	9.012	4.725	.035	88°	145	4.8	5000	880-0906W08H-P-GM
			6.750	1 1/2	.060	0	.011	A880-D2250LX38-03	1.500	8.471	11.262	6.975	.035	88°	145	4.8	5000	
			9.000	1 1/2	.060	0	.017	A880-D2250LX38-04	1.500	10.722	13.512	9.225	.034	88°	145	6.9	5000	
2.375	09C	09P	4.750	1 1/2	.041	0	.011	A880-D2375LX38-02	1.500	6.558	9.350	4.987	.036	88°	145	4.8	5000	880-0906W08H-P-GM
			7.125	1 1/2	.041	0	.011	A880-D2375LX38-03	1.500	8.933	11.725	7.362	.036	88°	145	6.8	5000	
2.500	09C	09P	5.000	1 1/2	.025	0	.011	A880-D2500LX38-02	1.500	6.894	9.687	5.250	.037	88°	145	4.8	5000	880-0906W08H-P-GM
			7.500	1 1/2	.025	0	.011	A880-D2500LX38-03	1.500	9.394	12.187	7.750	.037	88°	145	6.8	5000	

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 Q5

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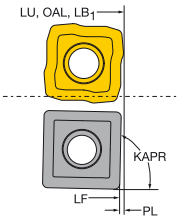
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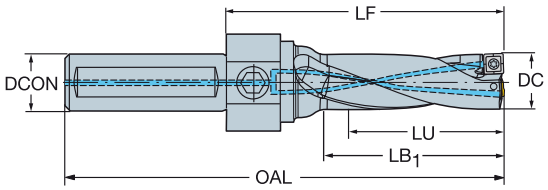
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat, US P shank

CNSC 7







Inch design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions, inch DCON	LF	OAL	LB$_1$	PL	KAPR	CP PSI	Lbs	RPMX	MIID$_P$
.500	01C	01P	1.500	3/4	.009	0	.009	A880-D0500P19-03	.750	3.247	6.262	1.600	.015	79°	145	0.6	33000	880-0102W04-P-GR
			2.000	3/4	.009	0	.015	A880-D0500P19-04	.750	3.747	6.762	2.100	.015	79°	145	0.6	22000	
.530	01C	01P	1.592	3/4	.009	0	.009	A880-D0531P19-03	.750	3.364	6.380	1.699	.015	79°	145	0.6	33000	880-0102W04-P-GR
			2.124	3/4	.009	0	.015	A880-D0531P19-04	.750	3.895	6.910	2.230	.015	79°	145	0.6	22000	
.562	02C	02P	1.685	3/4	.017	0	.009	A880-D0562P19-03	.750	3.498	6.510	1.810	.012	88°	145	0.8	33000	880-0202W04H-P-GM
			2.247	3/4	.017	0	.015	A880-D0562P19-04	.750	4.050	7.062	2.362	.011	88°	145	0.7	22000	
.625	02C	02P	1.875	3/4	.009	0	.009	A880-D0625P19-03	.750	3.732	6.745	2.007	.013	88°	145	0.8	33000	880-0202W04H-P-GM
			2.500	3/4	.009	0	.015	A880-D0625P19-04	.750	4.364	7.375	2.637	.011	88°	145	0.8	22000	
.655	03C	03P	1.967	3/4	.022	0	.009	A880-D0656P19-03	.750	3.828	6.842	2.125	.014	88°	145	0.8	30000	880-0303W05H-P-GM
			2.624	3/4	.022	0	.015	A880-D0656P19-04	.750	4.498	7.512	2.755	.013	88°	145	0.7	19000	
.687	03C	03P	2.060	1	.020	0	.009	A880-D0687P25-03	1.000	4.044	7.059	2.205	.014	88°	145	1.5	30000	880-0303W05H-P-GM
			2.747	1	.020	0	.015	A880-D0687P25-04	1.000	4.714	7.727	2.874	.013	88°	145	1.5	19000	
.750	03C	03P	2.250	1	.009	0	.009	A880-D0750P25-03	1.000	4.277	7.292	2.402	.015	88°	145	1.5	30000	880-0303W05H-P-GM
			3.000	1	.009	0	.015	A880-D0750P25-04	1.000	5.026	8.040	3.149	.013	88°	145	1.5	19000	
.812	04C	04P	2.435	1	.031	0	.009	A880-D0812P25-03	1.000	4.509	7.527	2.597	.017	88°	145	1.5	21500	880-0403W05H-P-GM
			3.247	1	.031	0	.015	A880-D0812P25-04	1.000	5.298	8.314	3.385	.015	88°	145	1.5	17500	
.875	04C	04P	2.625	1 1/4	.022	0	.009	A880-D0875P31-03	1.250	4.704	7.722	2.755	.017	88°	145	1.8	21500	880-0403W05H-P-GM
			3.500	1 1/4	.022	0	.015	A880-D0875P31-04	1.250	5.571	8.587	3.622	.016	88°	145	1.8	17500	
.937	04C	04P	2.810	1 1/4	.013	0	.009	A880-D0937P31-03	1.250	4.938	7.957	2.952	.018	88°	145	1.8	21500	880-0403W05H-P-GM
			3.747	1 1/4	.013	0	.015	A880-D0937P31-04	1.250	5.845	8.862	3.857	.016	88°	145	1.8	17500	
1.000	05C	05P	3.000	1 1/4	.037	0	.009	A880-D1000P31-03	1.250	5.170	8.190	3.150	.020	88°	145	1.8	16000	880-0503W05H-P-GM
			4.000	1 1/4	.037	0	.015	A880-D1000P31-04	1.250	6.155	9.174	4.132	.018	88°	145	1.8	15500	
1.062	05C	05P	3.185	1 1/4	.029	0	.009	A880-D1062P31-03	1.250	5.365	8.385	3.345	.020	88°	145	2.3	16000	880-0503W05H-P-GM
			4.247	1 1/4	.029	0	.015	A880-D1062P31-04	1.250	6.429	9.449	4.370	.019	88°	145	2.3	15500	
1.125	05C	05P	3.375	1 1/4	.019	0	.009	A880-D1125P31-03	1.250	5.598	8.620	3.544	.021	88°	145	2.3	16000	880-0503W05H-P-GM
			4.500	1 1/4	.019	0	.015	A880-D1125P31-04	1.250	6.740	9.760	4.645	.020	88°	145	2.3	15500	
1.187	06C	06P	3.560	1 1/4	.043	0	.009	A880-D1187P31-03	1.250	5.830	8.854	3.700	.023	88°	145	2.3	16000	880-0604W06H-P-GM
			4.747	1 1/4	.043	0	.015	A880-D1187P31-04	1.250	7.013	10.035	4.880	.021	88°	145	2.3	14000	
1.250	06C	06P	3.750	1 1/2	.035	0	.009	A880-D1250P38-03	1.500	6.065	9.089	3.897	.023	88°	145	3.5	16000	880-0604W06H-P-GM
			5.000	1 1/2	.035	0	.015	A880-D1250P38-04	1.500	7.325	10.348	5.157	.022	88°	145	3.5	14000	
1.312	06C	06P	3.936	1 1/2	.027	0	.009	A880-D1312P38-03	1.500	6.299	9.324	4.095	.024	88°	145	3.5	16000	880-0604W06H-P-GM
			5.248	1 1/2	.027	0	.015	A880-D1312P38-04	1.500	7.599	10.622	5.392	.022	88°	145	3.5	14000	
1.375	06C	06P	4.125	1 1/2	.020	0	.009	A880-D1375P38-03	1.500	6.532	9.557	4.290	.024	88°	145	3.5	16000	880-0604W06H-P-GM
			5.500	1 1/2	.020	0	.015	A880-D1375P38-04	1.500	7.907	10.931	5.665	.023	88°	145	3.5	14000	
1.437	07C	07P	4.310	1 1/2	.051	0	.009	A880-D1437P38-03	1.500	6.765	9.792	4.487	.026	88°	145	3.5	16000	880-0704W06H-P-GM
			5.747	1 1/2	.051	0	.015	A880-D1437P38-04	1.500	8.183	11.209	5.905	.025	88°	145	3.5	11000	
1.500	07C	07P	4.500	1 1/2	.043	0	.009	A880-D1500P38-03	1.500	6.959	9.987	4.645	.027	88°	145	3.5	16000	880-0704W06H-P-GM
			6.000	1 1/2	.043	0	.015	A880-D1500P38-04	1.500	8.457	11.483	6.142	.025	88°	145	3.5	11000	
1.562	07C	07P	4.685	1 1/2	.036	0	.009	A880-D1562P38-03	1.500	7.194	10.222	4.842	.027	88°	145	3.5	16000	880-0704W06H-P-GM
			6.247	1 1/2	.036	0	.015	A880-D1562P38-04	1.500	8.769	11.796	6.417	.026	88°	145	3.5	11000	
1.625	07C	07P	4.875	1 1/2	.028	0	.009	A880-D1625P38-03	1.500	7.426	10.455	5.039	.028	88°	145	3.5	16000	880-0704W06H-P-GM
			6.500	1 1/2	.028	0	.015	A880-D1625P38-04	1.500	9.043	12.070	6.654	.026	88°	145	4.8	11000	
1.687	07C	07P	5.060	1 1/2	.020	0	.009	A880-D1687P38-03	1.500	7.857	10.886	5.235	.028	88°	145	3.5	16000	880-0704W06H-P-GM
			6.747	1 1/2	.020	0	.015	A880-D1687P38-04	1.500	9.551	12.579	6.929	.027	88°	145	4.8	11000	

 K38

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Q5

ISO 13399 Q1

CNSC CXSC Q35

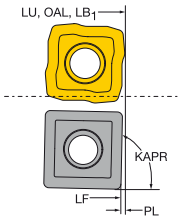
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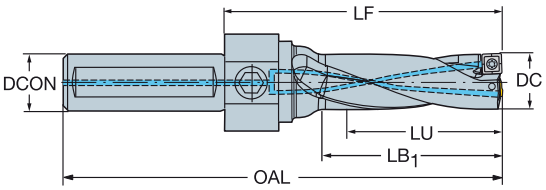
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat, US P shank



CNSC 7





Inch design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions, inch DCON	LF	OAL	LB$_1$	PL	KAPR	CP PSI	Lbs	RPMX	MIID$_P$
1.750	08C	08P	5.250	1 1/2	.056	0	.011	A880-D1750P38-03	1.500	8.090	11.121	5.432	.030	88°	145	4.8	15000	880-0805W08H-P-GM
			7.000	1 1/2	.056	0	.016	A880-D1750P38-04	1.500	9.824	12.853	7.165	.028	88°	145	4.8	9000	
1.875	08C	08P	5.625	1 1/2	.041	0	.011	A880-D1875P38-03	1.500	8.558	11.590	5.827	.031	88°	145	4.8	15000	880-0805W08H-P-GM
			7.500	1 1/2	.041	0	.016	A880-D1875P38-04	1.500	10.410	13.440	7.677	.029	88°	145	6.9	9000	
2.000	08C	08P	6.000	1 1/2	.025	0	.011	A880-D2000P38-03	1.500	9.025	12.058	6.220	.032	88°	145	6.9	15000	880-0805W08H-P-GM
			8.000	1 1/2	.025	0	.016	A880-D2000P38-04	1.500	10.996	14.027	8.189	.030	88°	145	6.9	9000	
2.125	09C	09P	6.375	1 1/2	.073	0	.011	A880-D2125P38-03	1.500	9.453	12.488	6.575	.034	88°	145	6.9	5000	880-0906W08H-P-GM
			8.500	1 1/2	.073	0	.017	A880-D2125P38-04	1.500	11.580	14.614	8.700	.033	88°	145	6.9	5000	
2.250	09C	09P	6.750	1 1/2	.060	0	.011	A880-D2250P38-03	1.500	9.921	12.957	6.969	.035	88°	145	6.9	5000	880-0906W08H-P-GM
			9.000	1 1/2	.060	0	.017	A880-D2250P38-04	1.500	12.166	15.201	9.212	.034	88°	145	6.8	5000	
2.375	09C	09P	7.125	1 1/2	.041	0	.011	A880-D2375P38-03	1.500	10.389	13.426	7.362	.036	88°	145	6.8	5000	880-0906W08H-P-GM
2.500	09C	09P	7.500	1 1/2	.025	0	.011	A880-D2500P38-03	1.500	10.850	13.888	7.750	.037	88°	145	6.9	5000	880-0906W08H-P-GM

 K38

 O5

 Q5

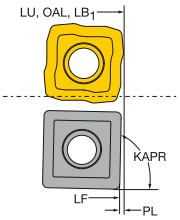
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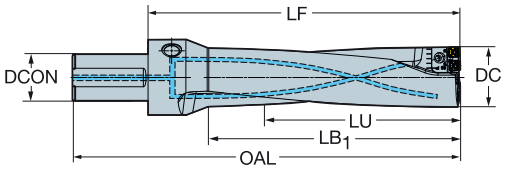
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Metric design

DC	C	I	I	P	LU	CZC_{MS}	Ordering code	Dimensions DCON	LF	OAL	LB_1	PL	KAPR	CP Bar	Kg	RPMX	$MIID_P$
65.00	06C	06P	06P	06P	207.00	50	880-D0650L50-03	50.00	275.70	357.00	212.77	1.3	88°	10	7.2	5000	880-0604W06H-P-GM
					276.00	50	880-D0650L50-04	50.00	344.70	426.00	281.77	1.3	88°	10	7.9	5000	
66.00	06C	06P	06P	06P	207.00	50	880-D0660L50-03	50.00	275.70	357.00	212.77	1.3	88°	10	7.2	5000	880-0604W06H-P-GM
					276.00	50	880-D0660L50-04	50.00	344.70	426.00	281.77	1.3	88°	10	7.9	5000	
67.00	06C	06P	06P	06P	207.00	50	880-D0670L50-03	50.00	275.70	357.00	212.77	1.3	88°	10	7.2	5000	880-0604W06H-P-GM
					276.00	50	880-D0670L50-04	50.00	344.70	426.00	281.77	1.3	88°	10	7.9	5000	
68.00	06C	06P	06P	06P	207.00	50	880-D0680L50-03	50.00	275.70	357.00	212.77	1.3	88°	10	7.2	5000	880-0604W06H-P-GM
					276.00	50	880-D0680L50-04	50.00	344.70	426.00	281.77	1.3	88°	10	7.9	5000	
69.00	06C	06P	06P	06P	207.00	50	880-D0690L50-03	50.00	275.70	357.00	212.77	1.3	88°	10	7.2	5000	880-0604W06H-P-GM
					276.00	50	880-D0690L50-04	50.00	344.70	426.00	281.77	1.3	88°	10	7.9	5000	
70.00	06C	06P	06P	06P	222.00	50	880-D0700L50-03	50.00	300.60	382.00	249.63	1.4	88°	10	8.9	5000	880-0604W06H-P-GM
					296.00	50	880-D0700L50-04	50.00	374.60	456.00	323.63	1.4	88°	10	10.2	5000	
71.00	06C	06P	06P	06P	222.00	50	880-D0710L50-03	50.00	300.60	382.00	249.63	1.4	88°	10	8.9	5000	880-0604W06H-P-GM
					296.00	50	880-D0710L50-04	50.00	374.60	456.00	323.63	1.4	88°	10	10.2	5000	
72.00	06C	06P	06P	06P	222.00	50	880-D0720L50-03	50.00	300.60	382.00	249.63	1.4	88°	10	8.9	5000	880-0604W06H-P-GM
					296.00	50	880-D0720L50-04	50.00	374.60	456.00	323.63	1.4	88°	10	10.2	5000	
73.00	06C	06P	06P	06P	222.00	50	880-D0730L50-03	50.00	300.60	382.00	249.63	1.4	88°	10	8.9	5000	880-0604W06H-P-GM
					296.00	50	880-D0730L50-04	50.00	374.60	456.00	323.63	1.4	88°	10	10.2	5000	
74.00	06C	07P	06P	07P	222.00	50	880-D0740L50-03	50.00	300.60	382.00	249.63	1.4	88°	10	8.9	5000	880-0704W06H-P-GM
					296.00	50	880-D0740L50-04	50.00	374.60	456.00	323.63	1.4	88°	10	10.2	5000	
75.00	07C	07P	07P	07P	237.00	50	880-D0750L50-03	50.00	305.60	387.00	255.15	1.4	88°	10	10.7	5000	880-0704W06H-P-GM
					316.00	50	880-D0750L50-04	50.00	384.60	466.00	334.15	1.4	88°	10	12.7	5000	
76.00	07C	07P	07P	07P	237.00	50	880-D0760L50-03	50.00	305.60	387.00	255.15	1.4	88°	10	10.7	5000	880-0704W06H-P-GM
					316.00	50	880-D0760L50-04	50.00	384.60	466.00	334.15	1.4	88°	10	12.7	5000	
77.00	07C	07P	07P	07P	237.00	50	880-D0770L50-03	50.00	305.60	387.00	255.15	1.4	88°	10	10.7	5000	880-0704W06H-P-GM
					316.00	50	880-D0770L50-04	50.00	384.60	466.00	334.15	1.4	88°	10	12.7	5000	
78.00	07C	07P	07P	07P	237.00	50	880-D0780L50-03	50.00	305.60	387.00	255.15	1.4	88°	10	10.7	5000	880-0704W06H-P-GM
					316.00	50	880-D0780L50-04	50.00	384.60	466.00	334.15	1.4	88°	10	12.7	5000	
79.00	07C	07P	07P	07P	237.00	50	880-D0790L50-03	50.00	305.60	387.00	255.15	1.4	88°	10	10.7	5000	880-0704W06H-P-GM
					316.00	50	880-D0790L50-04	50.00	384.60	466.00	334.15	1.4	88°	10	12.7	5000	

Cartridges are included, inserts are sold separately

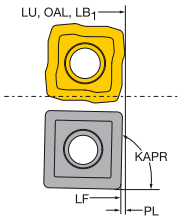
K198 K38 O5 Q5 Q1 Q35

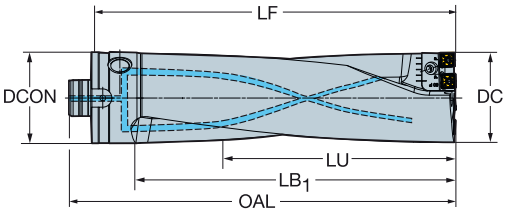
CoroDrill® 880 indexable insert drill

VL



CNSC 1





Metric design

DC	CIIP	LU	CZC$_{MS}$	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	PL	KAPR	CP Bar	Kg	RPMX	MIID$_P$
80.00	07C 07P 07P 07P	252.00	80	880-D0800V80-03	80.00	330.50	350.00	287.61	1.5	88°	10	12.7	5000	880-0704W06H-P-GM
		336.00	80	880-D0800V80-04	80.00	414.50	434.00	371.61	1.5	88°	10	15.1	5000	
81.00	07C 07P 07P 07P	252.00	80	880-D0810V80-03	80.00	330.50	350.00	287.61	1.5	88°	10	12.7	5000	880-0704W06H-P-GM
		336.00	80	880-D0810V80-04	80.00	414.50	434.00	371.61	1.5	88°	10	15.1	5000	
82.00	07C 07P 07P 07P	252.00	80	880-D0820V80-03	80.00	330.50	350.00	287.61	1.5	88°	10	12.7	5000	880-0704W06H-P-GM
		336.00	80	880-D0820V80-04	80.00	414.50	434.00	371.61	1.5	88°	10	15.1	5000	
83.00	07C 07P 07P 07P	252.00	80	880-D0830V80-03	80.00	330.50	350.00	287.61	1.5	88°	10	12.7	5000	880-0704W06H-P-GM
		336.00	80	880-D0830V80-04	80.00	414.50	434.00	371.61	1.5	88°	10	15.1	5000	
84.00	07C 07P 07P 07P	252.00	80	880-D0840V80-03	80.00	330.50	350.00	287.61	1.5	88°	10	12.7	5000	880-0704W06H-P-GM
		336.00	80	880-D0840V80-04	80.00	414.50	434.00	371.61	1.5	88°	10	15.1	5000	

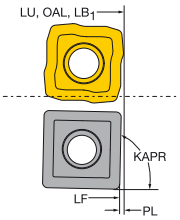
Cartridges are included, inserts are sold separately

K198 K38 O5 Q5 Q1 Q35

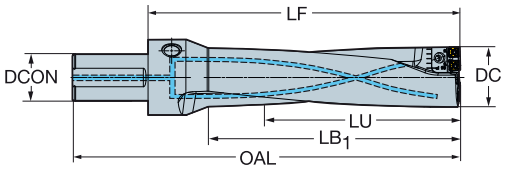
CoroDrill® 880 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Inch design

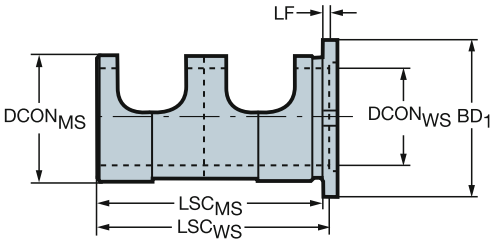
DC	CIIP	LU	CZC_{MS}	Ordering code	Dimensions, inch DCON	LF	OAL	LB_1	PL	KAPR	CP PSI	Lbs	RPMX	$MIID_P$
2.559	06C 06P 06P 06P	8.149	2	880-D0650LX50-03	2.000	10.854	14.055	8.376	.051	88°	145	15.8	5000	880-0604W06H-P-GM
		10.866	2	880-D0650LX50-04	2.000	13.570	16.771	11.093	051	88°	145	17.3	5000	
2.598	06C 06P 06P 06P	8.149	2	880-D0660LX50-03	2.000	10.854	14.055	8.376	051	88°	145	15.8	5000	880-0604W06H-P-GM
		10.866	2	880-D0660LX50-04	2.000	13.570	16.771	11.093	051	88°	145	17.3	5000	
2.637	06C 06P 06P 06P	8.149	2	880-D0670LX50-03	2.000	10.854	14.055	8.376	051	88°	145	15.8	5000	880-0604W06H-P-GM
		10.866	2	880-D0670LX50-04	2.000	13.570	16.771	11.093	051	88°	145	17.3	5000	
2.677	06C 06P 06P 06P	8.149	2	880-D0680LX50-03	2.000	10.854	14.055	8.376	051	88°	145	15.8	5000	880-0604W06H-P-GM
		10.866	2	880-D0680LX50-04	2.000	13.570	16.771	11.093	051	88°	145	17.3	5000	
2.716	06C 06P 06P 06P	8.149	2	880-D0690LX50-03	2.000	10.854	14.055	8.376	051	88°	145	15.8	5000	880-0604W06H-P-GM
		10.866	2	880-D0690LX50-04	2.000	13.570	16.771	11.093	051	88°	145	17.3	5000	
2.755	06C 06P 06P 06P	8.740	2	880-D0700LX50-03	2.000	11.834	15.039	9.827	055	88°	145	19.5	5000	880-0604W06H-P-GM
		11.653	2	880-D0700LX50-04	2.000	14.748	17.952	12.741	055	88°	145	22.4	5000	
2.795	06C 06P 06P 06P	8.740	2	880-D0710LX50-03	2.000	11.834	15.039	9.827	055	88°	145	19.5	5000	880-0604W06H-P-GM
		11.653	2	880-D0710LX50-04	2.000	14.748	17.952	12.741	055	88°	145	22.4	5000	
2.834	06C 06P 06P 06P	8.740	2	880-D0720LX50-03	2.000	11.834	15.039	9.827	055	88°	145	19.5	5000	880-0604W06H-P-GM
		11.653	2	880-D0720LX50-04	2.000	14.748	17.952	12.741	055	88°	145	22.4	5000	
2.874	06C 06P 06P 06P	8.740	2	880-D0730LX50-03	2.000	11.834	15.039	9.827	055	88°	145	19.5	5000	880-0604W06H-P-GM
		11.653	2	880-D0730LX50-04	2.000	14.748	17.952	12.741	055	88°	145	22.4	5000	
2.913	06C 07P 06P 07P	8.740	2	880-D0740LX50-03	2.000	11.834	15.039	9.827	055	88°	145	19.5	5000	880-0704W06H-P-GM
		11.653	2	880-D0740LX50-04	2.000	14.748	17.952	12.741	055	88°	145	22.4	5000	
2.952	07C 07P 07P 07P	9.330	2	880-D0750LX50-03	2.000	12.031	15.236	10.045	055	88°	145	23.5	5000	880-0704W06H-P-GM
		12.440	2	880-D0750LX50-04	2.000	15.141	18.346	13.155	055	88°	145	27.9	5000	
2.992	07C 07P 07P 07P	9.330	2	880-D0760LX50-03	2.000	12.031	15.236	10.045	055	88°	145	23.5	5000	880-0704W06H-P-GM
		12.440	2	880-D0760LX50-04	2.000	15.141	18.346	13.155	055	88°	145	27.9	5000	
3.031	07C 07P 07P 07P	9.330	2	880-D0770LX50-03	2.000	12.031	15.236	10.045	055	88°	145	23.5	5000	880-0704W06H-P-GM
		12.440	2	880-D0770LX50-04	2.000	15.141	18.346	13.155	055	88°	145	27.9	5000	
3.070	07C 07P 07P 07P	9.330	2	880-D0780LX50-03	2.000	12.031	15.236	10.045	055	88°	145	23.5	5000	880-0704W06H-P-GM
		12.440	2	880-D0780LX50-04	2.000	15.141	18.346	13.155	055	88°	145	27.9	5000	
3.110	07C 07P 07P 07P	9.330	2	880-D0790LX50-03	2.000	12.031	15.236	10.045	055	88°	145	23.5	5000	880-0704W06H-P-GM
		12.440	2	880-D0790LX50-04	2.000	15.141	18.346	13.155	.055	88°	145	27.9	5000	
3.149	07C 07P 07P 07P	9.921	2	880-D0800LX63-03	2.500	13.011	17.070	11.323	059	88°	145	27.9	5000	880-0704W06H-P-GM
		13.228	2	880-D0800LX63-04	2.500	16.318	20.378	14.630	059	88°	145	33.2	5000	
3.188	07C 07P 07P 07P	9.921	2	880-D0810LX63-03	2.500	13.011	17.070	11.323	059	88°	145	27.9	5000	880-0704W06H-P-GM
		13.228	2	880-D0810LX63-04	2.500	16.318	20.378	14.630	059	88°	145	33.2	5000	
3.228	07C 07P 07P 07P	9.921	2	880-D0820LX63-03	2.500	13.011	17.070	11.323	059	88°	145	27.9	5000	880-0704W06H-P-GM
		13.228	2	880-D0820LX63-04	2.500	16.318	20.378	14.630	059	88°	145	33.2	5000	
3.267	07C 07P 07P 07P	9.921	2	880-D0830LX63-03	2.500	13.011	17.070	11.323	059	88°	145	27.9	5000	880-0704W06H-P-GM
		13.228	2	880-D0830LX63-04	2.500	16.318	20.378	14.630	059	88°	145	33.2	5000	
3.307	07C 07P 07P 07P	9.921	2	880-D0840LX63-03	2.500	13.011	17.070	11.323	059	88°	145	27.9	5000	880-0704W06H-P-GM
		13.228	2	880-D0840LX63-04	2.500	16.318	20.378	14.630	059	88°	145	33.2	5000	

Cartridges are included, inserts are sold separately

K198 K38 O5 Q5 Q1 Q35

Eccentric sleeve for metric drills





Metric version

CZC$_{MS}$	CZC$_{WS}$	ADJLN	ADJLX	Ordering code	Dimensions DCON$_{MS}$	DCON$_{WS}$	LSC$_{MS}$	LF	BD$_1$
25	20	-0.30	0.30	**416.2-L20-25**	25.00	20.00	55.00	2.50	33.00
32	25	-0.30	0.30	**416.2-L25-32**	32.00	25.00	60.00	3.50	40.00
40	32	-0.30	0.30	**416.2-L32-40**	40.00	32.00	70.00	2.50	50.00
50	40	-0.30	0.30	**416.2-L40-50**	50.00	40.00	80.00	2.50	60.00

Inch version

CZC$_{MS}$	CZC$_{WS}$	ADJLN	ADJLX	Ordering code	Dimensions, inch DCON$_{MS}$	DCON$_{WS}$	LSC$_{MS}$	LF	BD$_1$
1	3/4	-.011	.011	**A416.2-LX19-25**	1.000	.750	2.165	.098	1.299
1 1/2	1 1/4	-.011	.011	**A416.2-LX31-38**	1.500	1.250	2.362	.137	1.968
1 1/4	1	-.011	.011	**A416.2-LX25-32**	1.250	1.000	2.756	.098	1.574
2	1 1/2	-.011	.011	**A416.2-LX38-51**	2.000	1.500	3.150	.098	2.362

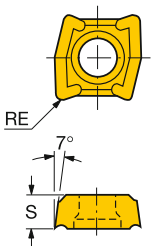
ISO 13399 Q1

CNSC CXSC Q35

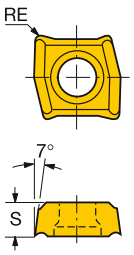
CoroDrill® 881 insert for drilling



881..P



881..C



Central insert

	Ordering code	INSUC	P	M		K	N	S		H	Dimensions, mm, inch			
			1044	1044	1144	1044	1044	1044	1144	1044	S	S"	RE	RE"
02	881-02 02 04M-C-GM1	C	☆	☆	☆	☆	☆	☆	☆	☆	2.38	.093	0.40	.015
03	881-03 03 08M-C-GM1	C	☆	☆	☆	☆	☆	☆	☆	☆	3.17	.125	0.80	.031
04	881-04 03 08M-C-GM1	C	☆	☆	☆	☆	☆	☆	☆	☆	3.17	.125	0.80	.031

Peripheral insert

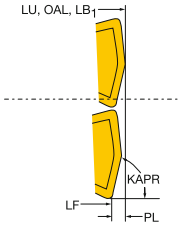
	Ordering code	INSUC	P		M			K		N	S		H		Dimensions, mm, inch			
			4024	4044	2044	4024	4044	4024	4044	4044	2044	4044	4024	4044	S	S"	RE	RE"
02	881-02 02 04M-P-GM1	P	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	2.38	.093	0.40	.015
03	881-03 03 08M-P-GM1	P	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	3.17	.125	0.80	.031
04	881-04 03 08M-P-GM1	P	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	3.17	.125	0.80	.031

K199 K254 Q1

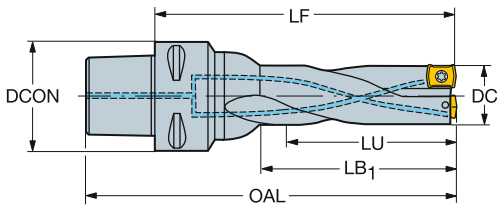
CoroDrill® 881 indexable insert drill

Coromant Capto®





CNSC 1



Metric design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	PL	KAPR	CP Bar	Kg	RPMX	MIID$_P$
14.00	02	02	42.64	C4	1.00	-0.10	0.30	881-D1400C4-03	40.00	83.00	107.00	45.00	0.64	78°	10	0.3	30000	881-02 02 04M-P-GM1
			42.64	C5	1.00	-0.10	0.30	881-D1400C5-03	50.00	83.00	113.00	45.00	0.64	78°	10	0.3	30000	
			42.64	C6	1.00	-0.10	0.30	881-D1400C6-03	63.00	88.00	126.00	45.00	0.64	78°	10	1.1	30000	
			56.64	C4	1.00	-0.10	0.40	881-D1400C4-04	40.00	97.00	121.00	59.00	0.64	78°	10	0.3	19000	
			56.64	C5	1.00	-0.10	0.40	881-D1400C5-04	50.00	97.00	127.00	59.00	0.64	78°	10	0.6	19000	
			56.64	C6	1.00	-0.10	0.40	881-D1400C6-04	63.00	102.00	140.00	59.00	0.64	78°	10	1.1	19000	
14.50	02	02	44.64	C4	0.90	-0.10	0.30	881-D1450C4-03	40.00	85.00	109.00	46.00	0.64	78°	10	0.3	30000	881-02 02 04M-P-GM1
			44.64	C5	0.90	-0.10	0.30	881-D1450C5-03	50.00	85.00	115.00	46.00	0.64	78°	10	0.6	30000	
			44.64	C6	0.90	-0.10	0.30	881-D1450C6-03	63.00	90.00	128.00	46.00	0.64	78°	10	1.1	30000	
			58.64	C4	0.90	-0.10	0.40	881-D1450C4-04	40.00	100.00	124.00	61.00	0.64	78°	10	0.3	19000	
			58.64	C5	0.90	-0.10	0.40	881-D1450C5-04	50.00	100.00	130.00	61.00	0.64	78°	10	0.6	19000	
			58.64	C6	0.90	-0.10	0.40	881-D1450C6-04	63.00	105.00	143.00	61.00	0.64	78°	10	1.1	19000	
15.00	02	02	45.64	C4	0.85	-0.10	0.30	881-D1500C4-03	40.00	87.00	111.00	48.00	0.64	78°	10	0.4	30000	881-02 02 04M-P-GM1
			45.64	C5	0.85	-0.10	0.30	881-D1500C5-03	50.00	87.00	117.00	48.00	0.64	78°	10	0.6	30000	
			45.64	C6	0.85	-0.10	0.30	881-D1500C6-03	63.00	92.00	130.00	48.00	0.64	78°	10	1.1	30000	
			60.64	C4	0.85	-0.10	0.40	881-D1500C4-04	40.00	102.00	126.00	63.00	0.64	78°	10	0.4	19000	
			60.64	C5	0.85	-0.10	0.40	881-D1500C5-04	50.00	102.00	132.00	63.00	0.64	78°	10	0.6	19000	
			60.64	C6	0.85	-0.10	0.40	881-D1500C6-04	63.00	107.00	145.00	63.00	0.64	78°	10	1.1	19000	
15.50	02	02	47.64	C4	0.75	-0.10	0.30	881-D1550C4-03	40.00	89.00	113.00	50.00	0.64	78°	10	0.4	30000	881-02 02 04M-P-GM1
			47.64	C5	0.75	-0.10	0.30	881-D1550C5-03	50.00	89.00	119.00	50.00	0.64	78°	10	0.6	30000	
			47.64	C6	0.75	-0.10	0.30	881-D1550C6-03	63.00	94.00	132.00	50.00	0.64	78°	10	1.1	30000	
			62.64	C4	0.75	-0.10	0.40	881-D1550C4-04	40.00	104.00	128.00	65.00	0.64	78°	10	0.4	19000	
			62.64	C5	0.75	-0.10	0.40	881-D1550C5-04	50.00	104.00	134.00	65.00	0.64	78°	10	0.6	19000	
			62.64	C6	0.75	-0.10	0.40	881-D1550C6-04	63.00	109.00	147.00	65.00	0.64	78°	10	1.1	19000	
16.00	02	02	48.64	C4	0.70	-0.10	0.30	881-D1600C4-03	40.00	91.00	115.00	51.00	0.64	78°	10	0.4	30000	881-02 02 04M-P-GM1
			48.64	C5	0.70	-0.10	0.30	881-D1600C5-03	50.00	91.00	121.00	51.00	0.64	78°	10	0.6	30000	
			48.64	C6	0.70	-0.10	0.30	881-D1600C6-03	63.00	96.00	134.00	51.00	0.64	78°	10	1.1	30000	
			64.64	C4	0.70	-0.10	0.40	881-D1600C4-04	40.00	107.00	131.00	67.00	0.64	78°	10	0.4	19000	
			64.64	C5	0.70	-0.10	0.40	881-D1600C5-04	50.00	107.00	137.00	67.00	0.64	78°	10	0.6	19000	
			64.64	C6	0.70	-0.10	0.40	881-D1600C6-04	63.00	112.00	150.00	67.00	0.64	78°	10	1.1	19000	
16.50	02	02	50.64	C4	0.60	-0.10	0.30	881-D1650C4-03	40.00	93.00	117.00	53.00	0.64	78°	10	0.4	30000	881-02 02 04M-P-GM1
			50.64	C5	0.60	-0.10	0.30	881-D1650C5-03	50.00	93.00	123.00	53.00	0.64	78°	10	0.6	30000	
			50.64	C6	0.60	-0.10	0.30	881-D1650C6-03	63.00	98.00	136.00	53.00	0.64	78°	10	1.1	30000	
			66.64	C4	0.60	-0.10	0.40	881-D1650C4-04	40.00	109.00	133.00	69.00	0.64	78°	10	0.4	19000	
			66.64	C5	0.60	-0.10	0.40	881-D1650C5-04	50.00	109.00	139.00	69.00	0.64	78°	10	0.6	19000	
			66.64	C6	0.60	-0.10	0.40	881-D1650C6-04	63.00	114.00	152.00	69.00	0.64	78°	10	1.1	19000	
17.00	02	02	51.64	C4	0.50	-0.10	0.30	881-D1700C4-03	40.00	94.00	118.00	54.00	0.64	78°	10	0.4	30000	881-02 02 04M-P-GM1
			51.64	C5	0.50	-0.10	0.30	881-D1700C5-03	50.00	94.00	124.00	54.00	0.64	78°	10	0.6	30000	
			51.64	C6	0.50	-0.10	0.30	881-D1700C6-03	63.00	99.00	137.00	54.00	0.64	78°	10	1.1	30000	
			68.64	C4	0.50	-0.10	0.40	881-D1700C4-04	40.00	111.00	135.00	71.00	0.64	78°	10	0.4	19000	
			68.64	C5	0.50	-0.10	0.40	881-D1700C5-04	50.00	111.00	141.00	71.00	0.64	78°	10	0.6	19000	
			68.64	C6	0.50	-0.10	0.40	881-D1700C6-04	63.00	116.00	154.00	71.00	0.64	78°	10	1.1	19000	
17.50	03	03	54.38	C4	1.00	-0.10	0.30	881-D1750C4-03	40.00	102.00	126.00	56.00	1.38	79°	10	0.4	21500	881-03 03 08M-P-GM1
			54.38	C5	1.00	-0.10	0.30	881-D1750C5-03	50.00	102.00	132.00	56.00	1.38	79°	10	0.6	21500	
			54.38	C6	1.00	-0.10	0.30	881-D1750C6-03	63.00	107.00	145.00	56.00	1.38	79°	10	1.2	21500	
			71.38	C4	1.00	-0.10	0.40	881-D1750C4-04	40.00	119.00	143.00	73.00	1.38	79°	10	0.4	17500	
			71.38	C5	1.00	-0.10	0.40	881-D1750C5-04	50.00	119.00	149.00	73.00	1.38	79°	10	0.7	17500	
			71.38	C6	1.00	-0.10	0.40	881-D1750C6-04	63.00	124.00	162.00	73.00	1.38	79°	10	1.2	17500	


K62


O5


Q5



Q1

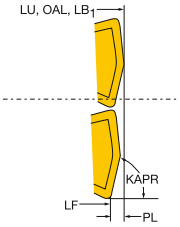


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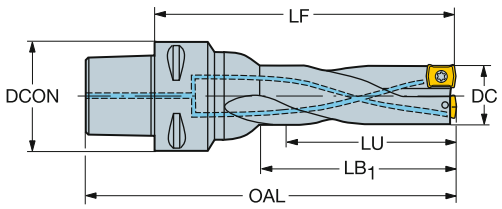
CoroDrill® 881 indexable insert drill

Coromant Capto®





CNSC 1



Metric design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB$_1$	PL	KAPR	CP Bar	Kg	RPMX	MIID$_P$
18.00	03	03	55.38	C4	0.90	-0.10	0.30	881-D1800C4-03	40.00	103.00	127.00	57.00	1.38	79°	10	0.4	21500	881-03 03 08M-P-GM1
			55.38	C5	0.90	-0.10	0.30	881-D1800C5-03	50.00	103.00	133.00	57.00	1.38	79°	10	0.7	21500	
			55.38	C6	0.90	-0.10	0.30	881-D1800C6-03	63.00	108.00	146.00	57.00	1.38	79°	10	1.2	21500	
			73.38	C4	0.90	-0.10	0.40	881-D1800C4-04	40.00	121.00	145.00	75.00	1.38	79°	10	0.4	17500	
			73.38	C5	0.90	-0.10	0.40	881-D1800C5-04	50.00	121.00	151.00	75.00	1.38	79°	10	0.7	17500	
			73.38	C6	0.90	-0.10	0.40	881-D1800C6-04	63.00	126.00	164.00	75.00	1.38	79°	10	1.2	17500	
18.50	03	03	57.38	C4	0.85	-0.10	0.30	881-D1850C4-03	40.00	105.00	129.00	59.00	1.38	79°	10	0.4	21500	881-03 03 08M-P-GM1
			57.38	C5	0.85	-0.10	0.30	881-D1850C5-03	50.00	105.00	135.00	59.00	1.38	79°	10	0.7	21500	
			57.38	C6	0.85	-0.10	0.30	881-D1850C6-03	63.00	110.00	148.00	59.00	1.38	79°	10	1.2	21500	
			75.38	C4	0.85	-0.10	0.40	881-D1850C4-04	40.00	123.00	147.00	77.00	1.38	79°	10	0.4	17500	
			75.38	C5	0.85	-0.10	0.40	881-D1850C5-04	50.00	123.00	153.00	77.00	1.38	79°	10	0.7	17500	
			75.38	C6	0.85	-0.10	0.40	881-D1850C6-04	63.00	128.00	166.00	77.00	1.38	79°	10	1.3	17500	
19.00	03	03	58.38	C4	0.80	-0.10	0.30	881-D1900C4-03	40.00	106.00	130.00	60.00	1.38	79°	10	0.4	21500	881-03 03 08M-P-GM1
			58.38	C5	0.80	-0.10	0.30	881-D1900C5-03	50.00	106.00	136.00	60.00	1.38	79°	10	0.7	21500	
			58.38	C6	0.80	-0.10	0.30	881-D1900C6-03	63.00	111.00	149.00	60.00	1.38	79°	10	1.2	21500	
			77.38	C4	0.80	-0.10	0.40	881-D1900C4-04	40.00	125.00	149.00	79.00	1.38	79°	10	0.4	17500	
			77.38	C5	0.80	-0.10	0.40	881-D1900C5-04	50.00	125.00	155.00	79.00	1.38	79°	10	0.7	17500	
			77.38	C6	0.80	-0.10	0.40	881-D1900C6-04	63.00	130.00	168.00	79.00	1.38	79°	10	1.3	17500	
19.50	03	03	60.38	C4	0.75	-0.10	0.30	881-D1950C4-03	40.00	109.00	133.00	62.00	1.38	79°	10	0.4	21500	881-03 03 08M-P-GM1
			60.38	C5	0.75	-0.10	0.30	881-D1950C5-03	50.00	109.00	139.00	62.00	1.38	79°	10	0.7	21500	
			60.38	C6	0.75	-0.10	0.30	881-D1950C6-03	63.00	114.00	152.00	62.00	1.38	79°	10	1.2	21500	
			79.38	C4	0.75	-0.10	0.40	881-D1950C4-04	40.00	129.00	153.00	82.00	1.38	79°	10	0.4	17500	
			79.38	C5	0.75	-0.10	0.40	881-D1950C5-04	50.00	129.00	159.00	82.00	1.38	79°	10	0.7	17500	
			79.38	C6	0.75	-0.10	0.40	881-D1950C6-04	63.00	134.00	172.00	82.00	1.38	79°	10	1.3	17500	
20.00	03	03	61.38	C4	0.75	-0.10	0.30	881-D2000C4-03	40.00	111.00	135.00	64.00	1.38	79°	10	0.4	21500	881-03 03 08M-P-GM1
			61.38	C5	0.75	-0.10	0.30	881-D2000C5-03	50.00	111.00	141.00	64.00	1.38	79°	10	0.7	21500	
			61.38	C6	0.75	-0.10	0.30	881-D2000C6-03	63.00	111.00	149.00	64.00	1.38	79°	10	1.2	21500	
			81.38	C4	0.75	-0.10	0.40	881-D2000C4-04	40.00	131.00	155.00	84.00	1.38	79°	10	0.4	17500	
			81.38	C5	0.75	-0.10	0.40	881-D2000C5-04	50.00	131.00	161.00	84.00	1.38	79°	10	0.7	17500	
			81.38	C6	0.75	-0.10	0.40	881-D2000C6-04	63.00	136.00	174.00	84.00	1.38	79°	10	1.3	17500	
21.00	04	04	64.53	C4	1.50	-0.10	0.30	881-D2100C4-03	40.00	114.00	138.00	66.00	1.53	79°	10	0.5	16000	881-04 03 08M-P-GM1
			64.53	C5	1.50	-0.10	0.30	881-D2100C5-03	50.00	114.00	144.00	66.00	1.53	79°	10	0.7	16000	
			64.53	C6	1.50	-0.10	0.30	881-D2100C6-03	63.00	119.00	157.00	66.00	1.53	79°	10	1.3	16000	
			85.53	C4	1.50	-0.10	0.40	881-D2100C4-04	40.00	135.00	159.00	87.00	1.53	79°	10	0.5	15500	
			85.53	C5	1.50	-0.10	0.40	881-D2100C5-04	50.00	135.00	165.00	87.00	1.53	79°	10	0.7	15500	
			85.53	C6	1.50	-0.10	0.40	881-D2100C6-04	63.00	140.00	178.00	87.00	1.53	79°	10	1.3	15500	
22.00	04	04	67.53	C4	1.25	-0.10	0.30	881-D2200C4-03	40.00	117.00	141.00	69.00	1.53	79°	10	0.5	16000	881-04 03 08M-P-GM1
			67.53	C5	1.25	-0.10	0.30	881-D2200C5-03	50.00	117.00	147.00	69.00	1.53	79°	10	0.7	16000	
			67.53	C6	1.25	-0.10	0.30	881-D2200C6-03	63.00	122.00	160.00	69.00	1.53	79°	10	1.3	16000	
			89.53	C4	1.25	-0.10	0.40	881-D2200C4-04	40.00	139.00	163.00	91.00	1.53	79°	10	0.5	15500	
			89.53	C5	1.25	-0.10	0.40	881-D2200C5-04	50.00	139.00	169.00	91.00	1.53	79°	10	0.8	15500	
			89.53	C6	1.25	-0.10	0.40	881-D2200C6-04	63.00	144.00	182.00	91.00	1.53	79°	10	1.3	15500	
23.00	04	04	70.53	C4	1.00	-0.10	0.30	881-D2300C4-03	40.00	126.00	150.00	72.00	1.53	79°	10	0.5	16000	881-04 03 08M-P-GM1
			70.53	C5	1.00	-0.10	0.30	881-D2300C5-03	50.00	121.00	151.00	72.00	1.53	79°	10	0.7	16000	
			70.53	C6	1.00	-0.10	0.30	881-D2300C6-03	63.00	126.00	164.00	72.00	1.53	79°	10	1.3	16000	
			93.53	C4	1.00	-0.10	0.40	881-D2300C4-04	40.00	144.00	168.00	95.00	1.53	79°	10	0.5	15500	
			93.53	C5	1.00	-0.10	0.40	881-D2300C5-04	50.00	144.00	174.00	95.00	1.53	79°	10	0.8	15500	
			93.53	C6	1.00	-0.10	0.40	881-D2300C6-04	63.00	149.00	187.00	95.00	1.53	79°	10	1.3	15500	

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ISO 13399 Q1

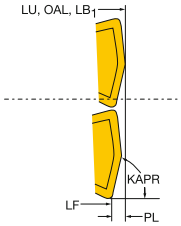
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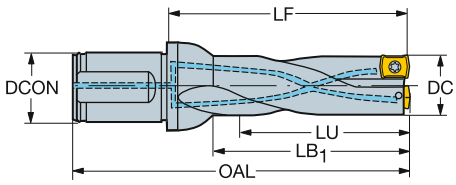
CoroDrill® 881 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Metric design

DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB_1	PL	KAPR	CP Bar	Kg	RPMX	$MIID_P$
14.00	02	02	28.64	20	1.00	-0.10	0.30	881-D1400L20-02	20.00	44.00	94.00	31.00	0.64	78°	10	0.2	33000	881-02 02 04M-P-GM1
			42.64	20	1.00	-0.10	0.30	881-D1400L20-03	20.00	58.00	108.00	45.00	0.64	78°	10	0.2	30000	
			56.64	20	1.00	-0.10	0.40	881-D1400L20-04	20.00	72.00	122.00	59.00	0.64	78°	10	0.2	19000	
			70.64	20	1.00	-0.10	0.40	881-D1400L20-05	20.00	86.00	136.00	73.00	0.64	78°	10	0.2	13500	
14.50	02	02	29.64	20	0.90	-0.10	0.30	881-D1450L20-02	20.00	46.00	96.00	32.00	0.64	78°	10	0.2	33000	881-02 02 04M-P-GM1
			44.64	20	0.90	-0.10	0.30	881-D1450L20-03	20.00	60.00	110.00	46.00	0.64	78°	10	0.2	30000	
			58.64	20	0.90	-0.10	0.40	881-D1450L20-04	20.00	75.00	125.00	61.00	0.64	78°	10	0.2	19000	
			72.64	20	0.90	-0.10	0.40	881-D1450L20-05	20.00	89.00	139.00	75.00	0.64	78°	10	0.2	13500	
15.00	02	02	30.64	20	0.85	-0.10	0.30	881-D1500L20-02	20.00	47.00	97.00	33.00	0.64	78°	10	0.2	33000	881-02 02 04M-P-GM1
			45.64	20	0.85	-0.10	0.30	881-D1500L20-03	20.00	62.00	112.00	48.00	0.64	78°	10	0.2	30000	
			60.64	20	0.85	-0.10	0.40	881-D1500L20-04	20.00	77.00	127.00	63.00	0.64	78°	10	0.2	19000	
			75.64	20	0.85	-0.10	0.40	881-D1500L20-05	20.00	92.00	142.00	78.00	0.64	78°	10	0.2	13500	
15.50	02	02	31.64	20	0.75	-0.10	0.30	881-D1550L20-02	20.00	49.00	99.00	35.00	0.64	78°	10	0.2	33000	881-02 02 04M-P-GM1
			47.64	20	0.75	-0.10	0.30	881-D1550L20-03	20.00	64.00	114.00	50.00	0.64	78°	10	0.2	30000	
			62.64	20	0.75	-0.10	0.40	881-D1550L20-04	20.00	79.00	129.00	65.00	0.64	78°	10	0.2	19000	
			78.64	20	0.75	-0.10	0.40	881-D1550L20-05	20.00	95.00	145.00	81.00	0.64	78°	10	0.2	13500	
16.00	02	02	32.64	20	0.70	-0.10	0.30	881-D1600L20-02	20.00	51.00	101.00	36.00	0.64	78°	10	0.2	33000	881-02 02 04M-P-GM1
			48.64	20	0.70	-0.10	0.30	881-D1600L20-03	20.00	66.00	116.00	51.00	0.64	78°	10	0.2	30000	
			64.64	20	0.70	-0.10	0.40	881-D1600L20-04	20.00	82.00	132.00	67.00	0.64	78°	10	0.2	19000	
			80.64	20	0.70	-0.10	0.40	881-D1600L20-05	20.00	98.00	148.00	83.00	0.64	78°	10	0.2	13500	
16.50	02	02	33.64	20	0.60	-0.10	0.30	881-D1650L20-02	20.00	52.00	102.00	37.00	0.64	78°	10	0.2	33000	881-02 02 04M-P-GM1
			50.64	20	0.60	-0.10	0.30	881-D1650L20-03	20.00	68.00	118.00	53.00	0.64	78°	10	0.2	30000	
			66.64	20	0.60	-0.10	0.40	881-D1650L20-04	20.00	84.00	134.00	69.00	0.64	78°	10	0.2	19000	
			83.64	20	0.60	-0.10	0.40	881-D1650L20-05	20.00	101.00	151.00	86.00	0.64	78°	10	0.2	13500	
17.00	02	02	34.64	20	0.50	-0.10	0.30	881-D1700L20-02	20.00	53.00	103.00	38.00	0.64	78°	10	0.2	33000	881-02 02 04M-P-GM1
			51.64	20	0.50	-0.10	0.30	881-D1700L20-03	20.00	69.00	119.00	54.00	0.64	78°	10	0.2	30000	
			68.64	20	0.50	-0.10	0.40	881-D1700L20-04	20.00	86.00	136.00	71.00	0.64	78°	10	0.2	19000	
			85.64	20	0.50	-0.10	0.40	881-D1700L20-05	20.00	103.00	153.00	88.00	0.64	78°	10	0.2	13500	
17.50	03	03	36.38	25	1.00	-0.10	0.30	881-D1750L25-02	25.00	55.00	111.00	39.00	1.38	79°	10	0.3	21500	881-03 03 08M-P-GM1
			54.38	25	1.00	-0.10	0.30	881-D1750L25-03	25.00	72.00	128.00	56.00	1.38	79°	10	0.3	21500	
			71.38	25	1.00	-0.10	0.40	881-D1750L25-04	25.00	89.00	145.00	73.00	1.38	79°	10	0.3	17500	
			89.38	25	1.00	-0.10	0.40	881-D1750L25-05	25.00	107.00	163.00	91.00	1.38	79°	10	0.3	12000	
18.00	03	03	37.38	25	0.90	-0.10	0.30	881-D1800L25-02	25.00	56.00	112.00	40.00	1.38	79°	10	0.3	21500	881-03 03 08M-P-GM1
			55.38	25	0.90	-0.10	0.30	881-D1800L25-03	25.00	73.00	129.00	57.00	1.38	79°	10	0.3	21500	
			73.38	25	0.90	-0.10	0.40	881-D1800L25-04	25.00	91.00	147.00	75.00	1.38	79°	10	0.3	17500	
			91.38	25	0.90	-0.10	0.40	881-D1800L25-05	25.00	109.00	165.00	93.00	1.38	79°	10	0.3	12000	
18.50	03	03	38.38	25	0.85	-0.10	0.30	881-D1850L25-02	25.00	57.00	113.00	41.00	1.38	79°	10	0.3	21500	881-03 03 08M-P-GM1
			57.38	25	0.85	-0.10	0.30	881-D1850L25-03	25.00	75.00	131.00	60.00	1.38	79°	10	0.3	21500	
			75.38	25	0.85	-0.10	0.40	881-D1850L25-04	25.00	93.00	149.00	77.00	1.38	79°	10	0.3	17500	
			94.38	25	0.85	-0.10	0.40	881-D1850L25-05	25.00	112.00	168.00	96.00	1.38	79°	10	0.3	12000	
19.00	03	03	39.38	25	0.80	-0.10	0.30	881-D1900L25-02	25.00	58.00	114.00	42.00	1.38	79°	10	0.3	21500	881-03 03 08M-P-GM1
			58.38	25	0.80	-0.10	0.30	881-D1900L25-03	25.00	76.00	132.00	60.00	1.38	79°	10	0.3	21500	
			77.38	25	0.80	-0.10	0.40	881-D1900L25-04	25.00	95.00	151.00	79.00	1.38	79°	10	0.3	17500	
			96.38	25	0.80	-0.10	0.40	881-D1900L25-05	25.00	114.00	170.00	98.00	1.38	79°	10	0.3	12000	
19.50	03	03	40.38	25	0.75	-0.10	0.30	881-D1950L25-02	25.00	60.00	116.00	43.00	1.38	79°	10	0.3	21500	881-03 03 08M-P-GM1
			60.38	25	0.75	-0.10	0.30	881-D1950L25-03	25.00	79.00	135.00	62.00	1.38	79°	10	0.3	21500	
			79.38	25	0.75	-0.10	0.40	881-D1950L25-04	25.00	99.00	155.00	82.00	1.38	79°	10	0.3	17500	
			98.38	25	0.75	-0.10	0.40	881-D1950L25-05	25.00	118.00	174.00	101.00	1.38	79°	10	0.3	12000	

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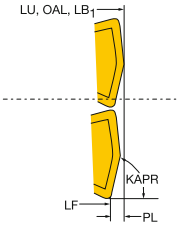
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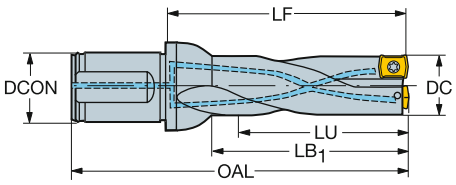
CoroDrill® 881 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Metric design

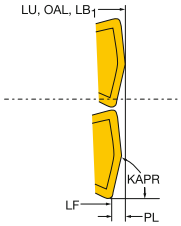
DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB_1	PL	KAPR	CP Bar	Kg	RPMX	$MIID_P$
20.00	03	03	41.38	25	0.75	-0.10	0.30	881-D2000L25-02	25.00	61.00	117.00	44.00	1.38	79°	10	0.3	21500	881-03 03 08M-P-GM1
			61.38	25	0.75	-0.10	0.30	881-D2000L25-03	25.00	81.00	137.00	64.00	1.38	79°	10	0.3	21500	
			81.38	25	0.75	-0.10	0.40	881-D2000L25-04	25.00	101.00	157.00	84.00	1.38	79°	10	0.3	17500	
			101.38	25	0.75	-0.10	0.40	881-D2000L25-05	25.00	121.00	177.00	104.00	1.38	79°	10	0.3	12000	
20.50	03	03	63.38	25	0.70	-0.10	0.30	881-D2050L25-03	25.00	83.00	139.00	66.00	1.38	79°	10	0.3	21500	881-03 03 08M-P-GM1
21.00	04	04	43.53	25	1.50	-0.10	0.30	881-D2100L25-02	25.00	64.00	120.00	46.00	1.53	79°	10	0.3	16000	881-04 03 08M-P-GM1
			64.53	25	1.50	-0.10	0.30	881-D2100L25-03	25.00	84.00	140.00	66.00	1.53	79°	10	0.3	16000	
			85.53	25	1.50	-0.10	0.40	881-D2100L25-04	25.00	105.00	161.00	87.00	1.53	79°	10	0.3	15500	
			106.53	25	1.50	-0.10	0.40	881-D2100L25-05	25.00	126.00	182.00	108.00	1.53	79°	10	0.3	10500	
21.50	04	04	66.53	25	1.30	-0.10	0.30	881-D2150L25-03	25.00	86.00	142.00	68.00	1.53	79°	10	0.3	16000	881-04 03 08M-P-GM1
22.00	04	04	45.53	25	1.25	-0.10	0.30	881-D2200L25-02	25.00	66.00	122.00	48.00	1.53	79°	10	0.3	16000	881-04 03 08M-P-GM1
			67.53	25	1.25	-0.10	0.30	881-D2200L25-03	25.00	87.00	143.00	69.00	1.53	79°	10	0.3	16000	
			89.53	25	1.25	-0.10	0.40	881-D2200L25-04	25.00	109.00	165.00	91.00	1.53	79°	10	0.3	15500	
			111.53	25	1.25	-0.10	0.40	881-D2200L25-05	25.00	131.00	187.00	113.00	1.53	79°	10	0.3	10500	
22.50	04	04	69.53	25	1.10	-0.10	0.30	881-D2250L25-03	25.00	90.00	146.00	71.00	1.53	79°	10	0.3	16000	881-04 03 08M-P-GM1
23.00	04	04	47.53	25	1.00	-0.10	0.30	881-D2300L25-02	25.00	69.00	125.00	50.00	1.53	79°	10	0.3	16000	881-04 03 08M-P-GM1
			70.53	25	1.00	-0.10	0.30	881-D2300L25-03	25.00	91.00	147.00	72.00	1.53	79°	10	0.3	16000	
			93.53	25	1.00	-0.10	0.40	881-D2300L25-04	25.00	113.00	169.00	95.00	1.53	79°	10	0.4	15500	
			117.53	25	1.00	-0.10	0.40	881-D2300L25-05	25.00	138.00	194.00	119.00	1.53	79°	10	0.4	10500	
23.50	04	04	72.53	25	0.70	-0.10	0.30	881-D2350L25-03	25.00	93.00	149.00	74.00	1.53	79°	10	0.4	16000	881-04 03 08M-P-GM1

K62 O5 Q5 Q1 Q35

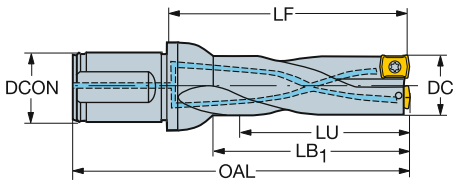
CoroDrill® 881 indexable insert drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



Inch design

DC	C	P	LU	CZC_{MS}	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions, inch DCON	LF	OAL	LB_1	PL	KAPR	CP PSI	Lbs	RPMX	$MIID_P$
.562	02	02	1.149	3/4	.035	-0	.011	A881-D0562LX19-02	.750	1.787	3.756	1.237	.025	84°	145	0.4	33000	881-02 02 04M-P-GM1
			1.711	3/4	.035	-0	.011	A881-D0562LX19-03	.750	2.204	4.173	1.810	.025	84°	145	0.4	30000	
			2.273	3/4	.035	-0	.015	A881-D0562LX19-04	.750	2.912	4.881	2.362	.025	84°	145	0.4	19000	
			2.835	3/4	.035	-0	.015	A881-D0562LX19-05	.750	3.472	5.441	2.922	.025	84°	145	0.4	13500	
.625	02	02	1.275	3/4	.027	-0	.011	A881-D0625LX19-02	.750	1.965	3.933	1.375	.025	84°	145	0.4	33000	881-02 02 04M-P-GM1
			1.900	3/4	.027	-0	.011	A881-D0625LX19-03	.750	2.597	4.566	2.007	.025	84°	145	0.4	30000	
			2.525	3/4	.027	-0	.015	A881-D0625LX19-04	.750	3.227	5.196	2.637	.025	84°	145	0.4	19000	
			3.150	3/4	.027	-0	.015	A881-D0625LX19-05	.750	3.840	5.808	3.250	.025	84°	145	0.4	13500	
.655	02	02	1.337	3/4	.022	-0	.011	A881-D0656LX19-02	.750	2.034	4.002	1.444	.025	84°	145	0.4	33000	881-02 02 04M-P-GM1
			1.993	3/4	.022	-0	.011	A881-D0656LX19-03	.750	2.715	4.684	2.125	.025	84°	145	0.4	30000	
			2.649	3/4	.022	-0	.015	A881-D0656LX19-04	.750	3.345	5.314	2.755	.025	84°	145	0.4	19000	
			3.305	3/4	.022	-0	.015	A881-D0656LX19-05	.750	4.000	5.969	3.410	.025	84°	145	0.4	13500	
.687	03	03	1.428	1	.039	-0	.011	A881-D0687LX25-02	1.000	2.087	4.292	1.497	.054	84°	145	0.6	21500	881-03 03 08M-P-GM1
			2.115	1	.039	-0	.011	A881-D0687LX25-03	1.000	2.795	4.999	2.205	.054	84°	145	0.6	21500	
			2.802	1	.039	-0	.015	A881-D0687LX25-04	1.000	3.464	5.668	2.874	.054	84°	145	0.6	17500	
			3.489	1	.039	-0	.015	A881-D0687LX25-05	1.000	4.162	6.366	3.572	.054	84°	145	0.6	1200	
.750	03	03	1.554	1	.030	-0	.011	A881-D0750LX25-02	1.000	2.304	4.508	1.635	.054	84°	145	0.6	21500	881-03 03 08M-P-GM1
			2.304	1	.030	-0	.011	A881-D0750LX25-03	1.000	3.070	5.275	2.402	.054	84°	145	0.6	21500	
			3.054	1	.030	-0	.015	A881-D0750LX25-04	1.000	3.817	6.022	3.149	.054	84°	145	0.6	17500	
			3.804	1	.030	-0	.015	A881-D0750LX25-05	1.000	4.554	6.758	3.885	.054	84°	145	0.6	1200	
.812	03	03	1.678	1	.029	-0	.011	A881-D0812LX25-02	1.000	2.440	4.644	1.770	.054	84°	145	0.6	21500	881-03 03 08M-P-GM1
			2.490	1	.029	-0	.011	A881-D0812LX25-03	1.000	3.267	5.471	2.597	.054	84°	145	0.6	21500	
			3.302	1	.029	-0	.015	A881-D0812LX25-04	1.000	4.054	6.258	3.385	.054	84°	145	0.6	17500	
			4.114	1	.029	-0	.015	A881-D0812LX25-05	1.000	4.875	7.079	4.205	.054	84°	145	0.6	1200	
.875	04	04	1.810	1	.047	-0	.011	A881-D0875LX25-02	1.000	2.630	4.834	1.882	.060	84°	145	0.6	16000	881-04 03 08M-P-GM1
			2.685	1	.047	-0	.011	A881-D0875LX25-03	1.000	3.504	5.708	2.755	.060	84°	145	0.6	16000	
			3.560	1	.047	-0	.015	A881-D0875LX25-04	1.000	4.370	6.574	3.622	.060	84°	145	0.6	15500	
			4.435	1	.047	-0	.015	A881-D0875LX25-05	1.000	5.254	7.458	4.505	.060	84°	145	0.6	10500	
.937	04	04	1.934	1	.029	-0	.011	A881-D0937LX25-02	1.000	2.762	4.967	2.015	.060	84°	145	0.6	16000	881-04 03 08M-P-GM1
			2.871	1	.029	-0	.011	A881-D0937LX25-03	1.000	3.700	5.905	2.952	.060	84°	145	0.6	16000	
			3.808	1	.029	-0	.015	A881-D0937LX25-04	1.000	4.605	6.810	3.857	.060	84°	145	0.6	15500	
			4.745	1	.029	-0	.015	A881-D0937LX25-05	1.000	5.572	7.777	4.824	.060	84°	145	0.6	10500	

 K62

 O5

 Q5

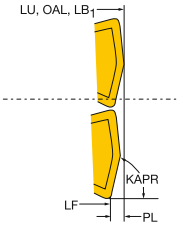
 Q1

 Q35

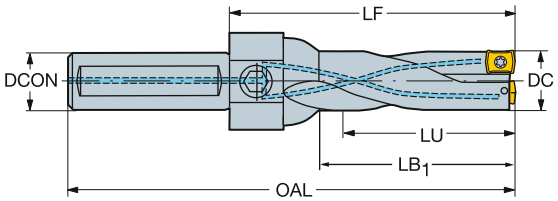
CoroDrill® 881 indexable insert drill

Cylindrical shank with flat, US P shank





CNSC 7



Inch design

DC	C	P	LU	CZC$_{MS}$	ADJLX	TCHAL	TCHAU	Ordering code	Dimensions, inch DCON	LF	OAL	LB$_1$	PL	KAPR	CP PSI	Lbs	RPMX	MIID$_P$
.562	02	02	1.711	3/4	.035	-0	.011	A881-D0562P19-03	.750	3.149	5.117	1.810	.025	84°	145	0.4	30000	881-02 02 04M-P-GM1
			2.273	3/4	.035	-0	.015	A881-D0562P19-04	.750	3.700	5.668	2.362	.025	84°	145	0.4	19000	
.625	02	02	1.900	3/4	.027	-0	.011	A881-D0625P19-03	.750	3.385	5.354	2.007	.025	84°	145	0.4	30000	881-02 02 04M-P-GM1
			2.525	3/4	.027	-0	.015	A881-D0625P19-04	.750	4.015	5.984	2.637	.025	84°	145	0.4	19000	
.655	02	02	1.993	3/4	.022	-0	.011	A881-D0656P19-03	.750	3.465	5.433	2.087	.025	84°	145	0.4	30000	881-02 02 04M-P-GM1
			2.649	3/4	.022	-0	.015	A881-D0656P19-04	.750	4.134	6.102	2.755	.025	84°	145	0.4	19000	
.687	03	03	2.115	1	.039	-0	.011	A881-D0687P25-03	1.000	3.622	5.826	2.205	.054	84°	145	0.6	21500	881-03 03 08M-P-GM1
			2.802	1	.039	-0	.015	A881-D0687P25-04	1.000	4.290	7.291	2.874	.054	84°	145	0.6	19000	
.750	03	03	2.304	1	.030	-0	.011	A881-D0750P25-03	1.000	3.857	6.062	2.402	.054	84°	145	0.6	21500	881-03 03 08M-P-GM1
			3.054	1	.030	-0	.015	A881-D0750P25-04	1.000	4.605	6.809	3.149	.054	84°	145	0.6	17500	
.812	03	03	2.490	1	.029	-0	.011	A881-D0812P25-03	1.000	4.094	6.298	2.597	.054	84°	145	0.6	21500	881-03 03 08M-P-GM1
			3.302	1	.029	-0	.015	A881-D0812P25-04	1.000	4.880	7.085	3.385	.054	84°	145	0.6	17500	
.875	04	04	2.685	1 1/4	.047	-0	.011	A881-D0875P31-03	1.250	4.290	6.653	2.755	.060	84°	145	0.6	16000	881-04 03 08M-P-GM1
			3.560	1 1/4	.047	-0	.015	A881-D0875P31-04	1.250	5.157	7.519	3.622	.060	84°	145	0.6	15500	
.937	04	04	2.871	1 1/4	.029	-0	.011	A881-D0937P31-03	1.250	4.527	6.890	2.952	.060	84°	145	0.6	16000	881-04 03 08M-P-GM1
			3.808	1 1/4	.029	-0	.015	A881-D0937P31-04	1.250	5.432	7.795	3.857	.060	84°	145	0.6	15500	

 K62

 O5

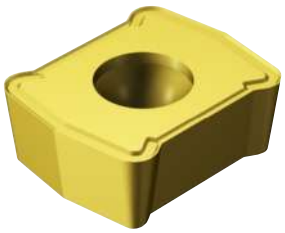
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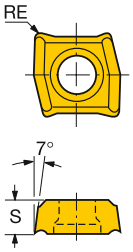
ISO 13399 Q1

CNSC CXSC Q35

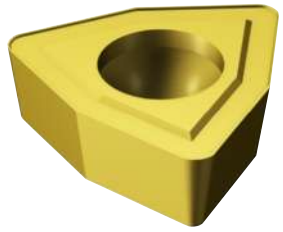
SANDVIK Coromant

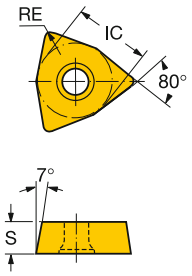
Coromant U insert for drilling





	Ordering code	INSUC	P				M					K			N			S			H		Dimensions, mm, inch					
			1020	1120	235	3040	1020	1120	235	3040	H13A	1020	3040	H13A	1020	1120	H13A	1020	1120	H13A	1020	1120	S	S"	RE	RE"		
02	LCMX 02 02 04C-53	C	☆				☆					☆			☆			☆			☆		2.38	.093	0.40	.015		
	LCMX 02 02 04P-53	P		☆		☆		☆		☆			☆			☆			☆			☆	2.38	.093	0.40	.015		
	LCMX 02 02 04TC-53	C	☆									☆											2.38	.093	0.40	.015		
03	LCMX 03 03 04-58	P			☆	☆			☆	☆													3.17	.125	0.40	.015		
	LCMX 03 03 04R-WM	P	☆			☆	☆			☆		☆	☆										3.17	.125	0.45	.017		
	LCMX 03 03 08-53	P+C	☆		☆	☆	☆		☆	☆	☆	☆		☆			☆	☆			☆		3.17	.125	0.80	.031		
	LCMX 03 03 08T-53	P+C	☆									☆									☆		3.17	.125	0.80	.031		
04	LCMX 04 03 04-58	P			☆	☆			☆	☆													3.17	.125	0.40	.015		
	LCMX 04 03 04R-WM	P	☆			☆	☆			☆		☆	☆										3.17	.125	0.40	.015		
	LCMX 04 03 08-53	P+C	☆		☆	☆	☆		☆		☆	☆	☆	☆			☆	☆		☆	☆		3.17	.125	0.80	.031		
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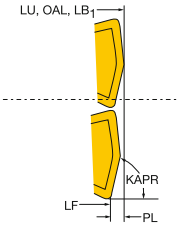
	Ordering code	INSUC	P								M						K									N			S		H	Dimensions, mm, inch						
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05	WCMX 05 03 04R-WM	P	☆				☆				☆			☆			☆					☆										3.17	.125	0.40	.015	7.93	.312
	WCMX 05 03 08 R-51	P				☆							☆			☆									☆							3.17	.125	0.80	.031	7.93	.312
	WCMX 05 03 08 R-53	P+C	☆				☆				☆		☆			☆	☆				☆	☆				☆		☆	☆	☆	☆	3.17	.125	0.80	.031	7.93	.312
	WCMX 05 03 08 T-53	P+C	☆														☆															3.17	.125	0.80	.031	7.93	.312
	WCMX 05 03 08-54	P+C				☆							☆																			3.17	.125	0.80	.031	7.93	.312
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	WCMX 06 T3 S R-56	C				☆							☆																			3.96	.156	0.80	.031	9.52	.375
08	WCMX 08 04 12 R-51	P				☆							☆			☆									☆							4.76	.187	1.20	.047	12.70	.500
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	WCMX 08 04 12 T-53	P+C	☆														☆														☆	4.76	.187	1.20	.047	12.70	.500
	WCMX 08 04 12-56	P				☆							☆																			4.76	.187	1.20	.047	12.70	.500
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K203 K254 Q1

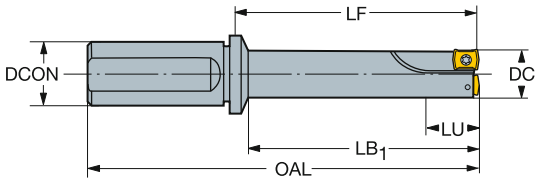
Coromant U indexable insert plunge drill

Cylindrical shank with flat according to ISO 9766





CNSC 1



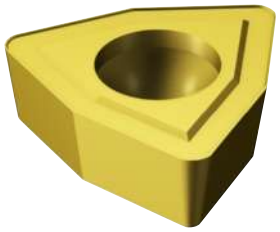
Metric design

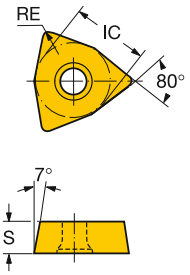
DC	C	P	LU	CZC_{MS}	TCHAL	TCHAU	Ordering code	Dimensions DCON	LF	OAL	LB_1	PL	KAPR	CP Bar	Kg	RPMX	$MIID_P$
12.70	02	02	15.24	20	-0.20	0.20	R416.22-0127L20-41	20.00	60.46	113.00	53.00	2.54	84°	10	0.2	22000	LCMX 02..P
16.00	02	02	19.20	20	-0.20	0.20	R416.22-0160L20-41	20.00	73.80	127.00	67.00	3.20	84°	10	0.2	22000	LCMX 02..P
19.00	03	03	22.42	25	-0.20	0.20	R416.22-0190L25-41	25.00	85.58	145.00	79.00	3.42	79°	10	0.3	19000	LCMX 03..
25.00	04	04	28.75	25	-0.20	0.20	R416.22-0250L25-41	25.00	110.25	170.00	104.00	3.75	79°	10	0.4	15500	LCMX 04..
35.00	06	06	39.20	40	-0.20	0.20	R416.22-0350L40-41	40.00	149.80	224.00	144.00	4.20	80°	10	1.5	14000	WCMX 06..

Engineered special options diameter range 12.7-58 mm, 2-6 x D_c to be quoted.

K69 O5 Q5 Q1 Q35

Trepanning inserts





	Ordering code	INSUC	P								M						K										N				S		H	Dimensions, mm, inch					
			1020	1025	1125	235	3040	4125	4235	H13A	1020	1025	235	3040	4235	H13A	1020	1025	1105	1125	235	3040	4125	4235	H13A	1020	1105	H13A	1020	H13A	1020		S	S"	RE	RE"	IC	IC"
06	WCMX 06 T3 08 R-51	P				☆							☆			☆									☆								3.96	.156	0.80	.031	9.52	.375
	WCMX 06 T3 08 R-53	P+C	☆			☆	☆				☆		☆			☆	☆				☆	☆			☆	☆		☆	☆	☆	☆		3.96	.156	0.80	.031	9.52	.375
	WCMX 06 T3 08-56	P				☆							☆																				3.96	.156	0.80	.031	9.52	.375
	WCMX 06 T3 08-58	P				☆	☆						☆	☆																			3.96	.156	0.80	.031	9.52	.375
	WCMX 06 T3 08-GM	P+C		☆	☆			☆	☆	☆		☆			☆			☆	☆	☆			☆	☆	☆		☆			☆			3.96	.156	0.80	.031	9.52	.375
08	WCMX 08 04 12-GM	P+C		☆	☆			☆	☆	☆		☆			☆			☆	☆	☆			☆	☆	☆		☆			☆			4.76	.187	1.20	.047	12.70	.500

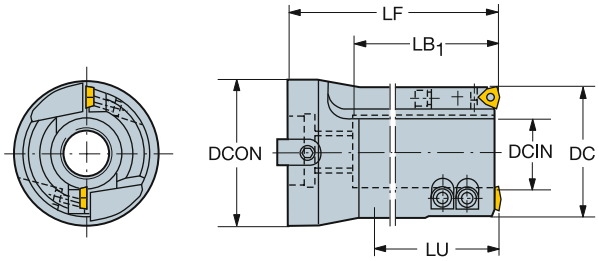
K207 K254 Q1

Trepanning tool

Machine side interface VL

CNSC 0





DC	DC"	DCIN	DCIN"			LU	LU"	CZC_{MS}	TCHAL	TCHAU	Ordering code	Dimensions, mm, inch DCON	DCON"	LF	LF"	KAPR	CP Bar	kg	$MIID_P$
60.00	2.362	24.00	.944	06	06	150.00	5.905	80	-0.20	0.20	**R416.7-0600-25-01**	80.00	3.149	195.00	7.677	85°	20	2.72	WCMX 06..
65.00	2.559	29.00	1.141	06	06	165.00	6.496	80	-0.20	0.20	**R416.7-0650-25-01**	80.00	3.149	210.00	8.267	85°	20	4.10	WCMX 06..
70.00	2.755	34.00	1.338	06	06	175.00	6.889	80	-0.20	0.20	**R416.7-0700-25-01**	80.00	3.149	220.00	8.661	85°	20	4.10	WCMX 06..
75.00	2.952	39.00	1.535	06	06	190.00	7.480	80	-0.20	0.20	**R416.7-0750-25-01**	80.00	3.149	235.00	9.251	85°	20	4.10	WCMX 06..
80.00	3.149	44.00	1.732	06	06	200.00	7.874	80	-0.20	0.20	**R416.7-0800-25-01**	80.00	3.149	245.00	9.645	85°	20	12.20	WCMX 06..
85.00	3.346	49.00	1.929	06	06	215.00	8.464	80	-0.20	0.20	**R416.7-0850-25-01**	80.00	3.149	260.00	10.236	85°	20	12.20	WCMX 06..
90.00	3.543	54.00	2.125	06	06	225.00	8.858	80	-0.20	0.20	**R416.7-0900-25-01**	80.00	3.149	270.00	10.629	85°	20	12.20	WCMX 06..
95.00	3.740	59.00	2.322	06	06	240.00	9.448	80	-0.20	0.20	**R416.7-0950-25-01**	80.00	3.149	285.00	11.220	85°	20	12.20	WCMX 06..
100.00	3.937	64.00	2.519	06	06	250.00	9.842	80	-0.20	0.20	**R416.7-1000-25-01**	80.00	3.149	295.00	11.614	85°	20	12.20	WCMX 06..
110.00	4.330	74.00	2.913	06	06	275.00	10.826	80	-0.20	0.20	**R416.7-1100-25-01**	80.00	3.149	320.00	12.598	85°	20	38.00	WCMX 06..

For mounting information see page P42

Accessories

Cartridge for trepanning tool			
Spacing rings-inner	Insert	**Peripheral**	Insert
L430.23-1117-06	WCMX 06	R430.26-1114-06	WCMX 06
Cartridge for stack drilling with trepanning tool			
Spacing rings-inner	**Insert**	**Peripheral**	**Insert**
L430.23-1117-06SD	WCMX 06	R430.26-1114-06SD	WCMX 06

Accessories, must be ordered separately.

 K71

 O5

ISO 13399 Q1

CNSC CXSC Q35

SANDVIK Coromant

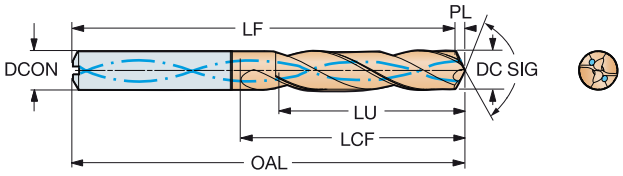
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code		P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.00	.118	9.5	.374	3	6	860.1-0300-016A1-PM	☆		6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	142°	20	0.016	DIN 6537 K
3.00	.118	15.5	.610	5	6	860.1-0300-021A1-PM	☆		6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	142°	20	0.017	DIN 6537 L
3.00	.118	24.5	.965	8	6	860.1-0300-029A1-PM	☆		6.00	.236	74	2.913	73.5	2.894	34	1.339	0.5	.020	142°	20	0.017	COROMANT
3.10	.122	9.8	.386	3	6	860.1-0310-016A1-PM	☆		6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	143°	20	0.017	DIN 6537 K
3.10	.122	16.0	.630	5	6	860.1-0310-021A1-PM	☆		6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	143°	20	0.017	DIN 6537 L
3.10	.122	25.3	.996	8	6	860.1-0310-029A1-PM	☆		6.00	.236	74	2.913	73.5	2.894	34	1.339	0.5	.020	143°	20	0.017	COROMANT
3.17	.125	10.0	.394	3	6	860.1-0317-016A1-PM	☆		6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	143°	20	0.017	DIN 6537 K
3.17	.125	16.4	.646	5	6	860.1-0317-021A1-PM	☆		6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	143°	20	0.017	DIN 6537 L
3.17	.125	25.9	1.020	8	6	860.1-0317-029A1-PM	☆		6.00	.236	74	2.913	73.5	2.894	34	1.339	0.5	.020	143°	20	0.018	COROMANT
3.20	.126	10.1	.398	3	6	860.1-0320-016A1-PM	☆		6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	143°	20	0.017	DIN 6537 K
3.20	.126	16.5	.650	5	6	860.1-0320-021A1-PM	☆		6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	143°	20	0.017	DIN 6537 L
3.20	.126	26.1	1.028	8	6	860.1-0320-029A1-PM	☆		6.00	.236	74	2.913	73.5	2.894	34	1.339	0.5	.020	143°	20	0.018	COROMANT
3.30	.130	10.5	.413	3	6	860.1-0330-016A1-PM	☆		6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	20	0.017	DIN 6537 K
3.30	.130	17.1	.673	5	6	860.1-0330-021A1-PM	☆		6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	20	0.017	DIN 6537 L
3.30	.130	27.0	1.063	8	6	860.1-0330-029A1-PM	☆		6.00	.236	74	2.913	73.4	2.890	35	1.378	0.6	.024	143°	20	0.018	COROMANT
3.40	.134	10.8	.425	3	6	860.1-0340-016A1-PM	☆		6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	20	0.017	DIN 6537 K
3.40	.134	17.6	.693	5	6	860.1-0340-021A1-PM	☆		6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	20	0.017	DIN 6537 L
3.40	.134	27.5	1.083	8	6	860.1-0340-029A1-PM	☆		6.00	.236	74	2.913	73.4	2.890	35	1.378	0.6	.024	143°	20	0.018	COROMANT
3.45	.136	10.9	.429	3	6	860.1-0345-016A1-PM	☆		6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	20	0.017	DIN 6537 K
3.45	.136	17.8	.701	5	6	860.1-0345-021A1-PM	☆		6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	20	0.017	DIN 6537 L
3.45	.136	27.4	1.079	7	6	860.1-0345-029A1-PM	☆		6.00	.236	74	2.913	73.4	2.890	35	1.378	0.6	.024	143°	20	0.018	COROMANT
3.50	.138	11.1	.437	3	6	860.1-0350-016A1-PM	☆		6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	20	0.017	DIN 6537 K
3.50	.138	18.1	.713	5	6	860.1-0350-021A1-PM	☆		6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	20	0.017	DIN 6537 L
3.50	.138	27.3	1.075	7	6	860.1-0350-029A1-PM	☆		6.00	.236	74	2.913	73.4	2.890	35	1.378	0.6	.024	143°	20	0.018	COROMANT
3.55	.140	11.2	.441	3	6	860.1-0355-016A1-PM	☆		6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	20	0.017	DIN 6537 K
3.57	.141	11.3	.445	3	6	860.1-0357-016A1-PM	☆		6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	20	0.017	DIN 6537 K
3.57	.141	18.5	.728	5	6	860.1-0357-021A1-PM	☆		6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	20	0.018	DIN 6537 L
3.57	.141	27.1	1.067	7	6	860.1-0357-029A1-PM	☆		6.00	.236	74	2.913	73.4	2.890	35	1.378	0.6	.024	143°	20	0.018	COROMANT
3.60	.142	11.4	.449	3	6	860.1-0360-016A1-PM	☆		6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	20	0.017	DIN 6537 K
3.60	.142	18.6	.732	5	6	860.1-0360-021A1-PM	☆		6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	20	0.018	DIN 6537 L
3.60	.142	27.1	1.067	7	6	860.1-0360-029A1-PM	☆		6.00	.236	74	2.913	73.4	2.890	35	1.378	0.6	.024	143°	20	0.018	COROMANT
3.70	.146	11.7	.461	3	6	860.1-0370-016A1-PM	☆		6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	20	0.018	DIN 6537 K
3.70	.146	19.1	.752	5	6	860.1-0370-021A1-PM	☆		6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	20	0.018	DIN 6537 L
3.70	.146	27.9	1.098	7	6	860.1-0370-029A1-PM	☆		6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	143°	20	0.019	COROMANT
3.80	.150	12.1	.476	3	6	860.1-0380-018A1-PM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	20	0.018	DIN 6537 K
3.80	.150	19.7	.776	5	6	860.1-0380-027A1-PM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	20	0.019	DIN 6537 L
3.80	.150	31.1	1.224	8	6	860.1-0380-037A1-PM	☆		6.00	.236	85	3.346	84.3	3.319	44	1.732	0.7	.028	141°	20	0.020	COROMANT
3.90	.154	12.4	.488	3	6	860.1-0390-018A1-PM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	20	0.018	DIN 6537 K
3.90	.154	20.2	.795	5	6	860.1-0390-027A1-PM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	20	0.019	DIN 6537 L
3.90	.154	31.9	1.256	8	6	860.1-0390-037A1-PM	☆		6.00	.236	85	3.346	84.3	3.319	44	1.732	0.7	.028	141°	20	0.020	COROMANT
3.97	.156	12.6	.496	3	6	860.1-0397-018A1-PM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	20	0.019	DIN 6537 K
3.97	.156	20.5	.807	5	6	860.1-0397-027A1-PM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	20	0.019	DIN 6537 L
3.97	.156	32.4	1.276	8	6	860.1-0397-037A1-PM	☆		6.00	.236	85	3.346	84.3	3.319	44	1.732	0.7	.028	141°	20	0.021	COROMANT
4.00	.157	12.7	.500	3	6	860.1-0400-018A1-PM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	20	0.019	DIN 6537 K
4.00	.157	20.7	.815	5	6	860.1-0400-027A1-PM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	20	0.019	DIN 6537 L
4.00	.157	32.7	1.287	8	6	860.1-0400-037A1-PM	☆		6.00	.236	85	3.346	84.3	3.319	44	1.732	0.7	.028	141°	20	0.021	COROMANT
4.10	.161	13.0	.512	3	6	860.1-0410-018A1-PM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	20	0.019	DIN 6537 K
4.10	.161	21.2	.835	5	6	860.1-0410-027A1-PM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	20	0.020	DIN 6537 L
4.10	.161	33.5	1.319	8	6	860.1-0410-037A1-PM	☆		6.00	.236	85	3.346	84.3	3.319	45	1.772	0.7	.028	141°	20	0.021	COROMANT

O5 Q5 K208 K252 Q1 Q35

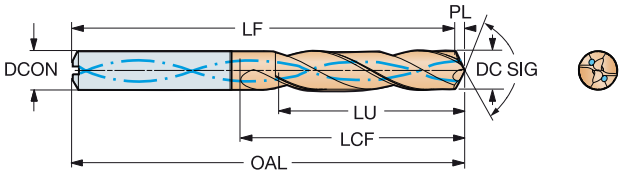
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
4.20	.165	13.3	.524	3	6	860.1-0420-018A1-PM	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	20	0.019	DIN 6537 K
4.20	.165	21.7	.854	5	6	860.1-0420-027A1-PM	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	20	0.020	DIN 6537 L
4.20	.165	34.3	1.350	8	6	860.1-0420-037A1-PM	☆	6.00	.236	85	3.346	84.3	3.319	45	1.772	0.7	.028	141°	20	0.021	COROMANT
4.30	.169	13.7	.539	3	6	860.1-0430-018A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	20	0.019	DIN 6537 K
4.30	.169	22.3	.878	5	6	860.1-0430-027A1-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	20	0.020	DIN 6537 L
4.30	.169	35.2	1.386	8	6	860.1-0430-037A1-PM	☆	6.00	.236	85	3.346	84.2	3.315	45	1.772	0.8	.031	142°	20	0.022	COROMANT
4.36	.172	13.8	.543	3	6	860.1-0436-018A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	20	0.019	DIN 6537 K
4.36	.172	22.6	.890	5	6	860.1-0436-027A1-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	20	0.020	DIN 6537 L
4.36	.172	35.6	1.402	8	6	860.1-0436-037A1-PM	☆	6.00	.236	85	3.346	84.2	3.315	45	1.772	0.8	.031	142°	20	0.022	COROMANT
4.40	.173	14.0	.551	3	6	860.1-0440-018A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	141°	20	0.019	DIN 6537 K
4.40	.173	22.8	.898	5	6	860.1-0440-027A1-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	141°	20	0.021	DIN 6537 L
4.40	.173	36.0	1.417	8	6	860.1-0440-037A1-PM	☆	6.00	.236	85	3.346	84.2	3.315	45	1.772	0.8	.031	141°	20	0.022	COROMANT
4.50	.177	14.3	.563	3	6	860.1-0450-018A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	20	0.020	DIN 6537 K
4.50	.177	23.3	.917	5	6	860.1-0450-027A1-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	20	0.021	DIN 6537 L
4.50	.177	36.8	1.449	8	6	860.1-0450-037A1-PM	☆	6.00	.236	85	3.346	84.2	3.315	46	1.811	0.8	.031	142°	20	0.021	COROMANT
4.55	.179	14.4	.567	3	6	860.1-0455-018A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	20	0.020	DIN 6537 K
4.55	.179	23.5	.925	5	6	860.1-0455-027A1-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	20	0.021	DIN 6537 L
4.60	.181	14.6	.575	3	6	860.1-0460-018A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	20	0.020	DIN 6537 K
4.60	.181	23.8	.937	5	6	860.1-0460-027A1-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	20	0.021	DIN 6537 L
4.60	.181	36.8	1.449	8	6	860.1-0460-037A1-PM	☆	6.00	.236	85	3.346	84.2	3.315	46	1.811	0.8	.031	142°	20	0.023	COROMANT
4.70	.185	14.6	.575	3	6	860.1-0470-018A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	20	0.020	DIN 6537 K
4.70	.185	24.3	.957	5	6	860.1-0470-027A1-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	20	0.021	DIN 6537 L
4.70	.185	36.6	1.441	7	6	860.1-0470-037A1-PM	☆	6.00	.236	85	3.346	84.2	3.315	46	1.811	0.8	.031	142°	20	0.023	COROMANT
4.76	.187	15.0	.591	3	6	860.1-0476-019A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	20	0.022	DIN 6537 K
4.76	.187	36.5	1.437	7	6	860.1-0476-037A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	46	1.811	0.8	.031	145°	20	0.024	COROMANT
4.76	.187	38.8	1.528	8	6	860.1-0476-047A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	56	2.205	0.8	.031	145°	20	0.025	COROMANT
4.80	.189	15.2	.598	3	6	860.1-0480-019A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	20	0.022	DIN 6537 K
4.80	.189	24.8	.976	5	6	860.1-0480-037A1-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	20	0.024	DIN 6537 L
4.80	.189	39.2	1.543	8	6	860.1-0480-047A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	56	2.205	0.8	.031	145°	20	0.026	COROMANT
4.90	.193	15.5	.610	3	6	860.1-0490-019A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	20	0.023	DIN 6537 K
4.90	.193	25.3	.996	5	6	860.1-0490-037A1-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	20	0.024	DIN 6537 L
4.90	.193	40.0	1.575	8	6	860.1-0490-047A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	56	2.205	0.8	.031	145°	20	0.026	COROMANT
5.00	.197	15.8	.622	3	6	860.1-0500-019A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	20	0.023	DIN 6537 K
5.00	.197	25.8	1.016	5	6	860.1-0500-037A1-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	20	0.025	DIN 6537 L
5.00	.197	40.8	1.606	8	6	860.1-0500-047A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	57	2.244	0.8	.031	145°	20	0.027	COROMANT
5.10	.201	16.1	.634	3	6	860.1-0510-019A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	20	0.023	DIN 6537 K
5.10	.201	26.3	1.035	5	6	860.1-0510-037A1-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	20	0.025	DIN 6537 L
5.10	.201	41.6	1.638	8	6	860.1-0510-047A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	57	2.244	0.8	.031	145°	20	0.027	COROMANT
5.16	.203	16.3	.642	3	6	860.1-0516-019A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	20	0.024	DIN 6537 K
5.16	.203	26.6	1.047	5	6	860.1-0516-037A1-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	20	0.026	DIN 6537 L
5.16	.203	42.1	1.657	8	6	860.1-0516-047A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	57	2.244	0.8	.031	145°	20	0.027	COROMANT
5.20	.205	16.4	.646	3	6	860.1-0520-019A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	20	0.024	DIN 6537 K
5.20	.205	26.8	1.055	5	6	860.1-0520-037A1-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	20	0.026	DIN 6537 L
5.20	.205	42.4	1.669	8	6	860.1-0520-047A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	57	2.244	0.8	.031	145°	20	0.028	COROMANT
5.25	.207	27.1	1.067	5	6	860.1-0525-037A1-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	20	0.026	DIN 6537 L
5.30	.209	16.7	.657	3	6	860.1-0530-019A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	20	0.024	DIN 6537 K
5.30	.209	27.3	1.075	5	6	860.1-0530-037A1-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	20	0.026	DIN 6537 L
5.30	.209	43.2	1.701	8	6	860.1-0530-047A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	57	2.244	0.8	.031	145°	20	0.028	COROMANT

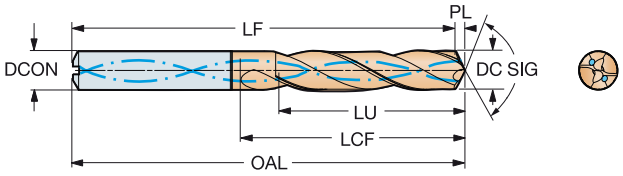
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
								Dimensions, mm, inch													
5.40	.213	17.0	.669	3	6	860.1-0540-019A1-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	20	0.025	DIN 6537 K
5.40	.213	27.8	1.094	5	6	860.1-0540-037A1-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	20	0.027	DIN 6537 L
5.40	.213	44.0	1.732	8	6	860.1-0540-047A1-PM	☆	6.00	.236	97	3.819	96.2	3.787	57	2.244	0.8	.031	145°	20	0.029	COROMANT
5.50	.217	17.4	.685	3	6	860.1-0550-019A1-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	20	0.025	DIN 6537 K
5.50	.217	28.4	1.118	5	6	860.1-0550-037A1-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	20	0.027	DIN 6537 L
5.50	.217	44.9	1.768	8	6	860.1-0550-047A1-PM	☆	6.00	.236	97	3.819	96.1	3.783	57	2.244	0.9	.035	145°	20	0.029	COROMANT
5.56	.219	28.7	1.130	5	6	860.1-0555-037A1-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	20	0.027	DIN 6537 L
5.56	.219	17.5	.689	3	6	860.1-0556-019A1-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	20	0.027	DIN 6537 K
5.56	.219	28.7	1.130	5	6	860.1-0556-037A1-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	20	0.025	DIN 6537 L
5.56	.219	45.3	1.783	8	6	860.1-0556-047A1-PM	☆	6.00	.236	97	3.819	96.1	3.783	58	2.283	0.9	.035	145°	20	0.027	COROMANT
5.60	.220	17.7	.697	3	6	860.1-0560-019A1-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	20	0.025	DIN 6537 K
5.60	.220	28.9	1.138	5	6	860.1-0560-037A1-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	20	0.028	DIN 6537 L
5.60	.220	45.7	1.799	8	6	860.1-0560-047A1-PM	☆	6.00	.236	97	3.819	96.1	3.783	58	2.283	0.9	.035	145°	20	0.030	COROMANT
5.70	.224	17.7	.697	3	6	860.1-0570-019A1-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	20	0.026	DIN 6537 K
5.70	.224	29.4	1.157	5	6	860.1-0570-037A1-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	20	0.028	DIN 6537 L
5.70	.224	46.5	1.831	8	6	860.1-0570-047A1-PM	☆	6.00	.236	97	3.819	96.1	3.783	58	2.283	0.9	.035	145°	20	0.030	COROMANT
5.80	.228	17.6	.693	3	6	860.1-0580-019A1-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	20	0.026	DIN 6537 K
5.80	.228	29.9	1.177	5	6	860.1-0580-037A1-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	20	0.028	DIN 6537 L
5.80	.228	47.3	1.862	8	6	860.1-0580-047A1-PM	☆	6.00	.236	97	3.819	96.1	3.783	58	2.283	0.9	.035	145°	20	0.031	COROMANT
5.90	.232	17.4	.685	2	6	860.1-0590-019A1-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	20	0.026	DIN 6537 K
5.90	.232	30.4	1.197	5	6	860.1-0590-037A1-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	20	0.029	DIN 6537 L
5.90	.232	47.4	1.866	8	6	860.1-0590-047A1-PM	☆	6.00	.236	97	3.819	96.1	3.783	58	2.283	0.9	.035	145°	20	0.031	COROMANT
5.95	.234	17.3	.681	2	6	860.1-0595-019A1-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	20	0.027	DIN 6537 K
5.95	.234	30.7	1.209	5	6	860.1-0595-037A1-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	20	0.029	DIN 6537 L
5.95	.234	47.3	1.862	7	6	860.1-0595-047A1-PM	☆	6.00	.236	97	3.819	96.1	3.783	58	2.283	0.9	.035	145°	20	0.032	COROMANT
6.00	.236	18.9	.744	3	6	860.1-0600-019A1-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	20	0.027	DIN 6537 K
6.00	.236	30.9	1.217	5	6	860.1-0600-037A1-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	20	0.029	DIN 6537 L
6.00	.236	48.9	1.925	8	6	860.1-0600-047A1-PM	☆	6.00	.236	97	3.819	96.1	3.783	58	2.283	0.9	.035	145°	20	0.032	COROMANT
6.10	.240	19.3	.760	3	8	860.1-0610-024A1-PM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	143°	20	0.040	DIN 6537 K
6.10	.240	31.5	1.240	5	8	860.1-0610-040A1-PM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	143°	20	0.042	DIN 6537 L
6.10	.240	49.8	1.961	8	8	860.1-0610-055A1-PM	☆	8.00	.315	106	4.173	105.0	4.134	66	2.598	1.0	.039	143°	20	0.046	COROMANT
6.20	.244	19.6	.772	3	8	860.1-0620-024A1-PM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	144°	20	0.040	DIN 6537 K
6.20	.244	32.0	1.260	5	8	860.1-0620-040A1-PM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	144°	20	0.043	DIN 6537 L
6.20	.244	50.6	1.992	8	8	860.1-0620-055A1-PM	☆	8.00	.315	106	4.173	105.0	4.134	67	2.638	1.0	.039	144°	20	0.047	COROMANT
6.30	.248	19.9	.783	3	8	860.1-0630-024A1-PM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	144°	20	0.041	DIN 6537 K
6.30	.248	32.5	1.280	5	8	860.1-0630-040A1-PM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	144°	20	0.043	DIN 6537 L
6.30	.248	51.4	2.024	8	8	860.1-0630-055A1-PM	☆	8.00	.315	106	4.173	105.0	4.134	67	2.638	1.0	.039	144°	20	0.048	COROMANT
6.35	.250	20.1	.791	3	8	860.1-0635-024A1-PM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	144°	20	0.041	DIN 6537 K
6.35	.250	32.8	1.291	5	8	860.1-0635-040A1-PM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	144°	20	0.044	DIN 6537 L
6.35	.250	51.8	2.039	8	8	860.1-0635-055A1-PM	☆	8.00	.315	106	4.173	105.0	4.134	67	2.638	1.0	.039	144°	20	0.048	COROMANT
6.40	.252	20.2	.795	3	8	860.1-0640-024A1-PM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	144°	20	0.041	DIN 6537 K
6.40	.252	33.0	1.299	5	8	860.1-0640-040A1-PM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	144°	20	0.044	DIN 6537 L
6.40	.252	52.2	2.055	8	8	860.1-0640-055A1-PM	☆	8.00	.315	106	4.173	105.0	4.134	67	2.638	1.0	.039	144°	20	0.048	COROMANT
6.50	.256	20.6	.811	3	8	860.1-0650-024A1-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	20	0.042	DIN 6537 K
6.50	.256	33.6	1.323	5	8	860.1-0650-040A1-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	20	0.045	DIN 6537 L
6.50	.256	53.1	2.091	8	8	860.1-0650-055A1-PM	☆	8.00	.315	106	4.173	104.9	4.130	67	2.638	1.1	.043	144°	20	0.049	COROMANT
6.60	.260	20.9	.823	3	8	860.1-0660-024A1-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	20	0.042	DIN 6537 K
6.60	.260	34.1	1.343	5	8	860.1-0660-040A1-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	20	0.045	DIN 6537 L
6.60	.260	53.9	2.122	8	8	860.1-0660-055A1-PM	☆	8.00	.315	106	4.173	104.9	4.130	67	2.638	1.1	.043	144°	20	0.050	COROMANT


O5


Q5


K208


K252


Q1


Q35

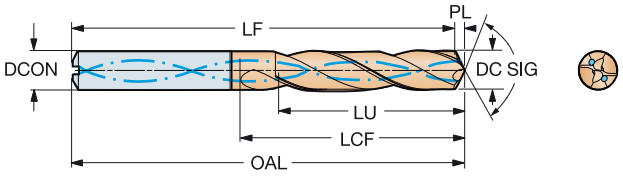
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
6.70	.264	21.2	.835	3	8	860.1-0670-024A1-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	20	0.043	DIN 6537 K
6.70	.264	34.6	1.362	5	8	860.1-0670-040A1-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	20	0.046	DIN 6537 L
6.70	.264	54.7	2.154	8	8	860.1-0670-055A1-PM	☆	8.00	.315	106	4.173	104.9	4.130	67	2.638	1.1	.043	144°	20	0.051	COROMANT
6.75	.266	21.3	.839	3	8	860.1-0675-024A1-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	20	0.043	DIN 6537 K
6.75	.266	34.8	1.370	5	8	860.1-0675-040A1-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	20	0.046	DIN 6537 L
6.75	.266	55.1	2.169	8	8	860.1-0675-055A1-PM	☆	8.00	.315	106	4.173	104.9	4.130	67	2.638	1.1	.043	144°	20	0.051	COROMANT
6.80	.268	21.5	.846	3	8	860.1-0680-024A1-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	20	0.043	DIN 6537 K
6.80	.268	35.1	1.382	5	8	860.1-0680-040A1-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	20	0.046	DIN 6537 L
6.80	.268	55.5	2.185	8	8	860.1-0680-055A1-PM	☆	8.00	.315	106	4.173	104.9	4.130	67	2.638	1.1	.043	144°	20	0.051	COROMANT
6.90	.272	21.8	.858	3	8	860.1-0690-024A1-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	20	0.044	DIN 6537 K
6.90	.272	35.6	1.402	5	8	860.1-0690-040A1-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	20	0.047	DIN 6537 L
6.90	.272	56.3	2.217	8	8	860.1-0690-055A1-PM	☆	8.00	.315	106	4.173	104.9	4.130	68	2.677	1.1	.043	144°	20	0.052	COROMANT
7.00	.276	22.1	.870	3	8	860.1-0700-024A1-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	20	0.044	DIN 6537 K
7.00	.276	36.1	1.421	5	8	860.1-0700-040A1-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	20	0.048	DIN 6537 L
7.00	.276	57.1	2.248	8	8	860.1-0700-055A1-PM	☆	8.00	.315	106	4.173	104.9	4.130	68	2.677	1.1	.043	144°	20	0.053	COROMANT
7.10	.280	22.4	.882	3	8	860.1-0710-028A1-PM	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	144°	20	0.044	DIN 6537 K
7.10	.280	36.6	1.441	5	8	860.1-0710-040A1-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	20	0.048	DIN 6537 L
7.10	.280	57.9	2.280	8	8	860.1-0710-064A1-PM	☆	8.00	.315	116	4.567	114.9	4.524	77	3.032	1.1	.043	144°	20	0.057	COROMANT
7.14	.281	22.6	.890	3	8	860.1-0714-028A1-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	20	0.044	DIN 6537 K
7.14	.281	36.9	1.453	5	8	860.1-0714-040A1-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	20	0.049	DIN 6537 L
7.14	.281	58.3	2.295	8	8	860.1-0714-064A1-PM	☆	8.00	.315	116	4.567	114.8	4.520	77	3.032	1.2	.047	144°	20	0.058	COROMANT
7.20	.283	22.8	.898	3	8	860.1-0720-028A1-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	20	0.045	DIN 6537 K
7.20	.283	37.2	1.465	5	8	860.1-0720-040A1-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	20	0.049	DIN 6537 L
7.20	.283	58.8	2.315	8	8	860.1-0720-064A1-PM	☆	8.00	.315	116	4.567	114.8	4.520	77	3.032	1.2	.047	144°	20	0.058	COROMANT
7.30	.287	23.1	.909	3	8	860.1-0730-028A1-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	20	0.045	DIN 6537 K
7.30	.287	37.7	1.484	5	8	860.1-0730-040A1-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	20	0.050	DIN 6537 L
7.30	.287	59.6	2.346	8	8	860.1-0730-064A1-PM	☆	8.00	.315	116	4.567	114.8	4.520	77	3.032	1.2	.047	144°	20	0.059	COROMANT
7.40	.291	23.4	.921	3	8	860.1-0740-028A1-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	20	0.046	DIN 6537 K
7.40	.291	38.2	1.504	5	8	860.1-0740-040A1-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	20	0.050	DIN 6537 L
7.40	.291	60.4	2.378	8	8	860.1-0740-064A1-PM	☆	8.00	.315	116	4.567	114.8	4.520	77	3.032	1.2	.047	144°	20	0.060	COROMANT
7.50	.295	23.7	.933	3	8	860.1-0750-028A1-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	20	0.046	DIN 6537 K
7.50	.295	38.7	1.524	5	8	860.1-0750-040A1-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	20	0.051	DIN 6537 L
7.50	.295	61.2	2.409	8	8	860.1-0750-064A1-PM	☆	8.00	.315	116	4.567	114.8	4.520	77	3.032	1.2	.047	144°	20	0.061	COROMANT
7.54	.297	23.8	.937	3	8	860.1-0754-028A1-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	20	0.046	DIN 6537 K
7.54	.297	38.9	1.532	5	8	860.1-0754-040A1-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	20	0.051	DIN 6537 L
7.60	.299	24.0	.945	3	8	860.1-0760-028A1-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	20	0.047	DIN 6537 K
7.60	.299	39.2	1.543	5	8	860.1-0760-040A1-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	20	0.052	DIN 6537 L
7.60	.299	62.0	2.441	8	8	860.1-0760-064A1-PM	☆	8.00	.315	116	4.567	114.8	4.520	77	3.032	1.2	.047	144°	20	0.062	COROMANT
7.70	.303	24.3	.957	3	8	860.1-0770-028A1-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	20	0.047	DIN 6537 K
7.70	.303	39.7	1.563	5	8	860.1-0770-040A1-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	20	0.052	DIN 6537 L
7.70	.303	62.8	2.472	8	8	860.1-0770-064A1-PM	☆	8.00	.315	116	4.567	114.8	4.520	78	3.071	1.2	.047	144°	20	0.063	COROMANT
7.80	.307	24.7	.972	3	8	860.1-0780-028A1-PM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	144°	20	0.048	DIN 6537 K
7.80	.307	40.3	1.587	5	8	860.1-0780-040A1-PM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	144°	20	0.053	DIN 6537 L
7.80	.307	63.7	2.508	8	8	860.1-0780-064A1-PM	☆	8.00	.315	116	4.567	114.7	4.516	78	3.071	1.3	.051	144°	20	0.064	COROMANT
7.90	.311	25.0	.984	3	8	860.1-0790-028A1-PM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	144°	20	0.048	DIN 6537 K
7.90	.311	40.8	1.606	5	8	860.1-0790-040A1-PM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	144°	20	0.054	DIN 6537 L
7.94	.313	25.1	.988	3	8	860.1-0794-028A1-PM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	145°	20	0.049	DIN 6537 K
7.94	.313	41.0	1.614	5	8	860.1-0794-040A1-PM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	145°	20	0.054	DIN 6537 L
7.94	.313	64.8	2.551	8	8	860.1-0794-064A1-PM	☆	8.00	.315	116	4.567	114.7	4.516	78	3.071	1.3	.051	145°	20	0.065	COROMANT

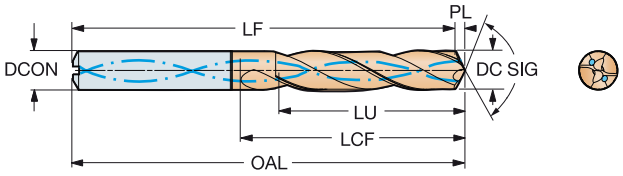
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
8.00	.315	25.3	.996	3	8	860.1-0800-028A1-PM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	145°	20	0.049	DIN 6537 K
8.00	.315	41.3	1.626	5	8	860.1-0800-040A1-PM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	145°	20	0.054	DIN 6537 L
8.00	.315	65.3	2.571	8	8	860.1-0800-064A1-PM	☆	8.00	.315	116	4.567	114.7	4.516	78	3.071	1.3	.051	145°	20	0.066	COROMANT
8.10	.319	25.6	1.008	3	10	860.1-0810-031A1-PM	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	144°	20	0.072	DIN 6537 K
8.10	.319	41.8	1.646	5	10	860.1-0810-045A1-PM	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	144°	20	0.079	DIN 6537 L
8.10	.319	66.1	2.602	8	10	860.1-0810-080A1-PM	☆	10.00	.394	139	5.472	137.7	5.421	94	3.701	1.3	.051	144°	20	0.095	COROMANT
8.15	.321	42.1	1.657	5	10	860.1-0815-045A1-PM	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	144°	20	0.079	DIN 6537 L
8.20	.323	25.9	1.020	3	10	860.1-0820-031A1-PM	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	144°	20	0.073	DIN 6537 K
8.20	.323	42.3	1.665	5	10	860.1-0820-045A1-PM	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	144°	20	0.079	DIN 6537 L
8.20	.323	66.9	2.634	8	10	860.1-0820-080A1-PM	☆	10.00	.394	139	5.472	137.7	5.421	94	3.701	1.3	.051	144°	20	0.097	COROMANT
8.30	.327	26.3	1.035	3	10	860.1-0830-031A1-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	20	0.073	DIN 6537 K
8.30	.327	42.9	1.689	5	10	860.1-0830-045A1-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	20	0.080	DIN 6537 L
8.30	.327	67.8	2.669	8	10	860.1-0830-080A1-PM	☆	10.00	.394	139	5.472	137.6	5.417	94	3.701	1.4	.055	144°	20	0.098	COROMANT
8.33	.328	43.0	1.693	5	10	860.1-0833-045A1-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	20	0.080	DIN 6537 L
8.40	.331	26.6	1.047	3	10	860.1-0840-031A1-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	20	0.074	DIN 6537 K
8.40	.331	43.4	1.709	5	10	860.1-0840-045A1-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	20	0.081	DIN 6537 L
8.40	.331	68.6	2.701	8	10	860.1-0840-080A1-PM	☆	10.00	.394	139	5.472	137.6	5.417	94	3.701	1.4	.055	144°	20	0.099	COROMANT
8.50	.335	26.9	1.059	3	10	860.1-0850-031A1-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	20	0.075	DIN 6537 K
8.50	.335	43.9	1.728	5	10	860.1-0850-045A1-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	20	0.082	DIN 6537 L
8.50	.335	69.4	2.732	8	10	860.1-0850-080A1-PM	☆	10.00	.394	139	5.472	137.6	5.417	95	3.740	1.4	.055	144°	20	0.101	COROMANT
8.60	.339	27.2	1.071	3	10	860.1-0860-031A1-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	20	0.076	DIN 6537 K
8.60	.339	44.4	1.748	5	10	860.1-0860-045A1-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	20	0.083	DIN 6537 L
8.60	.339	70.2	2.764	8	10	860.1-0860-080A1-PM	☆	10.00	.394	139	5.472	137.6	5.417	95	3.740	1.4	.055	144°	20	0.102	COROMANT
8.70	.343	27.5	1.083	3	10	860.1-0870-031A1-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	20	0.076	DIN 6537 K
8.70	.343	44.9	1.768	5	10	860.1-0870-045A1-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	20	0.084	DIN 6537 L
8.70	.343	71.0	2.795	8	10	860.1-0870-080A1-PM	☆	10.00	.394	139	5.472	137.6	5.417	95	3.740	1.4	.055	144°	20	0.103	COROMANT
8.73	.344	27.6	1.087	3	10	860.1-0873-031A1-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	20	0.077	DIN 6537 K
8.73	.344	45.1	1.776	5	10	860.1-0873-045A1-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	20	0.084	DIN 6537 L
8.73	.344	71.3	2.807	8	10	860.1-0873-080A1-PM	☆	10.00	.394	139	5.472	137.6	5.417	95	3.740	1.4	.055	144°	20	0.104	COROMANT
8.80	.346	27.8	1.094	3	10	860.1-0880-031A1-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	20	0.077	DIN 6537 K
8.80	.346	45.4	1.787	5	10	860.1-0880-045A1-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	20	0.085	DIN 6537 L
8.80	.346	71.8	2.827	8	10	860.1-0880-080A1-PM	☆	10.00	.394	139	5.472	137.6	5.417	95	3.740	1.4	.055	144°	20	0.105	COROMANT
8.90	.350	28.1	1.106	3	10	860.1-0890-031A1-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	20	0.078	DIN 6537 K
8.90	.350	45.9	1.807	5	10	860.1-0890-045A1-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	20	0.086	DIN 6537 L
8.90	.350	72.6	2.858	8	10	860.1-0890-080A1-PM	☆	10.00	.394	139	5.472	137.6	5.417	95	3.740	1.4	.055	144°	20	0.106	COROMANT
9.00	.354	28.5	1.122	3	10	860.1-0900-031A1-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	20	0.079	DIN 6537 K
9.00	.354	46.5	1.831	5	10	860.1-0900-045A1-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	20	0.086	DIN 6537 L
9.00	.354	73.5	2.894	8	10	860.1-0900-080A1-PM	☆	10.00	.394	139	5.472	137.5	5.413	95	3.740	1.5	.059	144°	20	0.107	COROMANT
9.10	.358	28.8	1.134	3	10	860.1-0910-031A1-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	20	0.079	DIN 6537 K
9.10	.358	47.0	1.850	5	10	860.1-0910-045A1-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	20	0.087	DIN 6537 L
9.10	.358	74.3	2.925	8	10	860.1-0910-080A1-PM	☆	10.00	.394	139	5.472	137.5	5.413	95	3.740	1.5	.059	144°	20	0.109	COROMANT
9.13	.359	28.9	1.138	3	10	860.1-0913-031A1-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	20	0.080	DIN 6537 K
9.20	.362	29.1	1.146	3	10	860.1-0920-031A1-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	20	0.080	DIN 6537 K
9.20	.362	47.5	1.870	5	10	860.1-0920-045A1-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	20	0.088	DIN 6537 L
9.20	.362	75.1	2.957	8	10	860.1-0920-080A1-PM	☆	10.00	.394	139	5.472	137.5	5.413	95	3.740	1.5	.059	144°	20	0.110	COROMANT
9.30	.366	29.4	1.157	3	10	860.1-0930-031A1-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	20	0.081	DIN 6537 K
9.30	.366	48.0	1.890	5	10	860.1-0930-045A1-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	20	0.089	DIN 6537 L
9.30	.366	75.9	2.988	8	10	860.1-0930-080A1-PM	☆	10.00	.394	139	5.472	137.5	5.413	95	3.740	1.5	.059	144°	20	0.112	COROMANT


O5


Q5


K208


K252


Q1


Q35

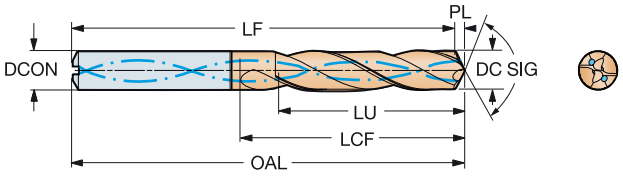
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
9.40	.370	29.7	1.169	3	10	860.1-0940-031A1-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	20	0.082	DIN 6537 K
9.40	.370	48.5	1.909	5	10	860.1-0940-045A1-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	20	0.090	DIN 6537 L
9.40	.370	76.7	3.020	8	10	860.1-0940-080A1-PM	☆	10.00	.394	139	5.472	137.5	5.413	96	3.780	1.5	.059	144°	20	0.113	COROMANT
9.50	.374	30.0	1.181	3	10	860.1-0950-031A1-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	20	0.082	DIN 6537 K
9.50	.374	48.7	1.917	5	10	860.1-0950-045A1-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	20	0.091	DIN 6537 L
9.50	.374	77.5	3.051	8	10	860.1-0950-080A1-PM	☆	10.00	.394	139	5.472	137.5	5.413	96	3.780	1.5	.059	144°	20	0.114	COROMANT
9.52	.375	30.1	1.185	3	10	860.1-0952-031A1-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	20	0.083	DIN 6537 K
9.52	.375	48.6	1.913	5	10	860.1-0952-045A1-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	20	0.091	DIN 6537 L
9.52	.375	77.7	3.059	8	10	860.1-0952-080A1-PM	☆	10.00	.394	139	5.472	137.5	5.413	96	3.780	1.5	.059	144°	20	0.115	COROMANT
9.55	.376	48.6	1.913	5	10	860.1-0955-045A1-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	20	0.092	DIN 6537 L
9.60	.378	30.3	1.193	3	10	860.1-0960-031A1-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	20	0.083	DIN 6537 K
9.60	.378	48.5	1.909	5	10	860.1-0960-045A1-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	20	0.092	DIN 6537 L
9.60	.378	78.3	3.083	8	10	860.1-0960-080A1-PM	☆	10.00	.394	139	5.472	137.5	5.413	96	3.780	1.5	.059	144°	20	0.116	COROMANT
9.70	.382	30.7	1.209	3	10	860.1-0970-031A1-PM	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	144°	20	0.084	DIN 6537 K
9.70	.382	48.4	1.906	4	10	860.1-0970-045A1-PM	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	144°	20	0.093	DIN 6537 L
9.70	.382	79.2	3.118	8	10	860.1-0970-080A1-PM	☆	10.00	.394	139	5.472	137.4	5.409	96	3.780	1.6	.063	144°	20	0.117	COROMANT
9.80	.386	31.0	1.220	3	10	860.1-0980-031A1-PM	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	144°	20	0.085	DIN 6537 K
9.80	.386	48.3	1.902	4	10	860.1-0980-045A1-PM	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	144°	20	0.094	DIN 6537 L
9.80	.386	80.0	3.150	8	10	860.1-0980-080A1-PM	☆	10.00	.394	139	5.472	137.4	5.409	96	3.780	1.6	.063	144°	20	0.119	COROMANT
9.90	.390	31.3	1.232	3	10	860.1-0990-031A1-PM	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	144°	20	0.086	DIN 6537 K
9.90	.390	48.1	1.894	4	10	860.1-0990-045A1-PM	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	144°	20	0.095	DIN 6537 L
9.90	.390	80.8	3.181	8	10	860.1-0990-080A1-PM	☆	10.00	.394	139	5.472	137.4	5.409	96	3.780	1.6	.063	144°	20	0.120	COROMANT
9.92	.391	31.4	1.236	3	10	860.1-0992-031A1-PM	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	144°	20	0.086	DIN 6537 K
9.92	.391	48.1	1.894	4	10	860.1-0992-045A1-PM	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	144°	20	0.095	DIN 6537 L
9.92	.391	81.0	3.189	8	10	860.1-0992-080A1-PM	☆	10.00	.394	139	5.472	137.4	5.409	96	3.780	1.6	.063	144°	20	0.121	COROMANT
10.00	.394	31.6	1.244	3	10	860.1-1000-031A1-PM	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	144°	20	0.086	DIN 6537 K
10.00	.394	48.0	1.890	4	10	860.1-1000-045A1-PM	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	144°	20	0.096	DIN 6537 L
10.00	.394	81.6	3.213	8	10	860.1-1000-080A1-PM	☆	10.00	.394	139	5.472	137.4	5.409	96	3.780	1.6	.063	144°	20	0.122	COROMANT
10.10	.398	31.9	1.256	3	12	860.1-1010-037A1-PM	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	144°	20	0.122	DIN 6537 K
10.10	.398	52.1	2.051	5	12	860.1-1010-053A1-PM	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	144°	20	0.133	DIN 6537 L
10.10	.398	82.4	3.244	8	12	860.1-1010-098A1-PM	☆	12.00	.472	163	6.417	161.4	6.354	114	4.488	1.6	.063	144°	20	0.165	COROMANT
10.20	.402	32.3	1.272	3	12	860.1-1020-037A1-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	20	0.123	DIN 6537 K
10.20	.402	52.7	2.075	5	12	860.1-1020-053A1-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	20	0.134	DIN 6537 L
10.20	.402	83.3	3.280	8	12	860.1-1020-098A1-PM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	144°	20	0.167	COROMANT
10.30	.406	32.6	1.283	3	12	860.1-1030-037A1-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	20	0.124	DIN 6537 K
10.30	.406	53.2	2.094	5	12	860.1-1030-053A1-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	20	0.135	DIN 6537 L
10.30	.406	84.1	3.311	8	12	860.1-1030-098A1-PM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	144°	20	0.169	COROMANT
10.32	.406	32.6	1.283	3	12	860.1-1032-037A1-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	20	0.124	DIN 6537 K
10.32	.406	53.3	2.098	5	12	860.1-1032-053A1-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	20	0.136	DIN 6537 L
10.32	.406	84.2	3.315	8	12	860.1-1032-098A1-PM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	144°	20	0.169	COROMANT
10.40	.409	32.9	1.295	3	12	860.1-1040-037A1-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	20	0.125	DIN 6537 K
10.40	.409	53.7	2.114	5	12	860.1-1040-053A1-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	20	0.137	DIN 6537 L
10.40	.409	84.9	3.343	8	12	860.1-1040-098A1-PM	☆	12.00	.472	163	6.417	161.3	6.350	115	4.528	1.7	.067	144°	20	0.171	COROMANT
10.45	.411	53.9	2.122	5	12	860.1-1045-053A1-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	20	0.137	DIN 6537 L
10.50	.413	33.2	1.307	3	12	860.1-1050-037A1-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	20	0.126	DIN 6537 K
10.50	.413	54.2	2.134	5	12	860.1-1050-053A1-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	20	0.138	DIN 6537 L
10.50	.413	85.7	3.374	8	12	860.1-1050-098A1-PM	☆	12.00	.472	163	6.417	161.3	6.350	115	4.528	1.7	.067	144°	20	0.173	COROMANT
10.60	.417	33.5	1.319	3	12	860.1-1060-037A1-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	20	0.127	DIN 6537 K
10.60	.417	54.7	2.154	5	12	860.1-1060-053A1-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	20	0.139	DIN 6537 L

O5 Q5 K208 K252 Q1 Q35

SANDVIK Coromant

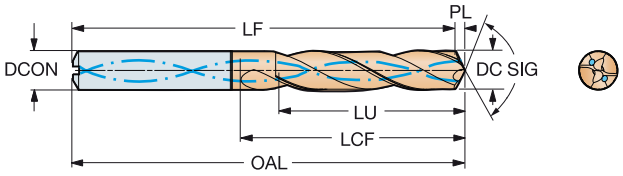
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
10.70	.421	33.8	1.331	3	12	860.1-1070-037A1-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	20	0.128	DIN 6537 K
10.70	.421	55.2	2.173	5	12	860.1-1070-053A1-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	20	0.140	DIN 6537 L
10.70	.421	87.3	3.437	8	12	860.1-1070-098A1-PM	☆	12.00	.472	163	6.417	161.3	6.350	115	4.528	1.7	.067	144°	20	0.177	COROMANT
10.71	.422	33.9	1.335	3	12	860.1-1071-037A1-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	20	0.128	DIN 6537 K
10.71	.422	55.3	2.177	5	12	860.1-1071-053A1-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	20	0.141	DIN 6537 L
10.80	.425	34.2	1.346	3	12	860.1-1080-037A1-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	20	0.129	DIN 6537 K
10.80	.425	55.8	2.197	5	12	860.1-1080-053A1-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	20	0.142	DIN 6537 L
10.80	.425	88.2	3.472	8	12	860.1-1080-098A1-PM	☆	12.00	.472	163	6.417	161.2	6.346	115	4.528	1.8	.071	144°	20	0.179	COROMANT
10.90	.429	34.5	1.358	3	12	860.1-1090-037A1-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	20	0.130	DIN 6537 K
10.90	.429	56.3	2.217	5	12	860.1-1090-053A1-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	20	0.143	DIN 6537 L
11.00	.433	34.8	1.370	3	12	860.1-1100-037A1-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	20	0.131	DIN 6537 K
11.00	.433	56.8	2.236	5	12	860.1-1100-053A1-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	20	0.144	DIN 6537 L
11.00	.433	89.8	3.535	8	12	860.1-1100-098A1-PM	☆	12.00	.472	163	6.417	161.2	6.346	115	4.528	1.8	.071	144°	20	0.183	COROMANT
11.10	.437	35.1	1.382	3	12	860.1-1110-037A1-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	20	0.132	DIN 6537 K
11.10	.437	57.3	2.256	5	12	860.1-1110-053A1-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	20	0.146	DIN 6537 L
11.10	.437	90.6	3.567	8	12	860.1-1110-098A1-PM	☆	12.00	.472	163	6.417	161.2	6.346	115	4.528	1.8	.071	144°	20	0.185	COROMANT
11.11	.437	35.1	1.382	3	12	860.1-1111-037A1-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	20	0.132	DIN 6537 K
11.11	.437	57.4	2.260	5	12	860.1-1111-053A1-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	20	0.146	DIN 6537 L
11.11	.437	90.7	3.571	8	12	860.1-1111-098A1-PM	☆	12.00	.472	163	6.417	161.2	6.346	115	4.528	1.8	.071	144°	20	0.185	COROMANT
11.20	.441	35.4	1.394	3	12	860.1-1120-037A1-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	20	0.133	DIN 6537 K
11.20	.441	57.6	2.268	5	12	860.1-1120-053A1-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	20	0.147	DIN 6537 L
11.20	.441	91.4	3.598	8	12	860.1-1120-098A1-PM	☆	12.00	.472	163	6.417	161.2	6.346	115	4.528	1.8	.071	144°	20	0.187	COROMANT
11.30	.445	35.7	1.406	3	12	860.1-1130-037A1-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	20	0.134	DIN 6537 K
11.30	.445	57.4	2.260	5	12	860.1-1130-053A1-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	20	0.148	DIN 6537 L
11.30	.445	92.2	3.630	8	12	860.1-1130-098A1-PM	☆	12.00	.472	163	6.417	161.2	6.346	115	4.528	1.8	.071	144°	20	0.189	COROMANT
11.40	.449	36.1	1.421	3	12	860.1-1140-037A1-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	20	0.135	DIN 6537 K
11.40	.449	57.3	2.256	5	12	860.1-1140-053A1-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	20	0.150	DIN 6537 L
11.40	.449	93.1	3.665	8	12	860.1-1140-098A1-PM	☆	12.00	.472	163	6.417	161.1	6.343	115	4.528	1.9	.075	144°	20	0.191	COROMANT
11.50	.453	36.4	1.433	3	12	860.1-1150-037A1-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	20	0.136	DIN 6537 K
11.50	.453	57.2	2.252	4	12	860.1-1150-053A1-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	20	0.151	DIN 6537 L
11.50	.453	93.9	3.697	8	12	860.1-1150-098A1-PM	☆	12.00	.472	163	6.417	161.1	6.343	116	4.567	1.9	.075	144°	20	0.151	COROMANT
11.51	.453	36.4	1.433	3	12	860.1-1151-037A1-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	20	0.136	DIN 6537 K
11.51	.453	57.2	2.252	4	12	860.1-1151-053A1-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	20	0.151	DIN 6537 L
11.60	.457	36.7	1.445	3	12	860.1-1160-037A1-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	20	0.137	DIN 6537 K
11.60	.457	57.1	2.248	4	12	860.1-1160-053A1-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	20	0.152	DIN 6537 L
11.70	.461	37.0	1.457	3	12	860.1-1170-037A1-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	20	0.138	DIN 6537 K
11.70	.461	57.0	2.244	4	12	860.1-1170-053A1-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	20	0.154	DIN 6537 L
11.70	.461	95.5	3.760	8	12	860.1-1170-098A1-PM	☆	12.00	.472	163	6.417	161.1	6.343	116	4.567	1.9	.075	144°	20	0.197	COROMANT
11.80	.465	37.3	1.469	3	12	860.1-1180-037A1-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	20	0.140	DIN 6537 K
11.80	.465	56.8	2.236	4	12	860.1-1180-053A1-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	20	0.155	DIN 6537 L
11.80	.465	96.3	3.791	8	12	860.1-1180-098A1-PM	☆	12.00	.472	163	6.417	161.1	6.343	116	4.567	1.9	.075	144°	20	0.199	COROMANT
11.90	.469	37.6	1.480	3	12	860.1-1190-037A1-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	20	0.141	DIN 6537 K
11.90	.469	56.7	2.232	4	12	860.1-1190-053A1-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	20	0.157	DIN 6537 L
11.90	.469	97.1	3.823	8	12	860.1-1190-098A1-PM	☆	12.00	.472	163	6.417	161.1	6.343	116	4.567	1.9	.075	144°	20	0.201	COROMANT
12.00	.472	38.0	1.496	3	12	860.1-1200-037A1-PM	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	144°	20	0.142	DIN 6537 K
12.00	.472	56.6	2.228	4	12	860.1-1200-053A1-PM	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	144°	20	0.158	DIN 6537 L
12.00	.472	98.0	3.858	8	12	860.1-1200-098A1-PM	☆	12.00	.472	163	6.417	161.0	6.339	116	4.567	2.0	.079	144°	20	0.204	COROMANT


O5


Q5


K208


K252


Q1


Q35

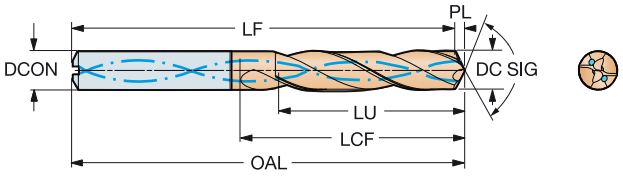
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
12.10	.476	38.3	1.508	3	14	860.1-1210-040A1-PM	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	144°	20	0.175	DIN 6537 K
12.10	.476	62.5	2.461	5	14	860.1-1210-057A1-PM	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	144°	20	0.193	DIN 6537 L
12.10	.476	98.8	3.890	8	14	860.1-1210-115A1-PM	☆	14.00	.551	182	7.165	180.0	7.087	133	5.236	2.0	.079	144°	20	0.253	COROMANT
12.20	.480	38.6	1.520	3	14	860.1-1220-040A1-PM	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	144°	20	0.177	DIN 6537 K
12.20	.480	62.4	2.457	5	14	860.1-1220-057A1-PM	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	144°	20	0.194	DIN 6537 L
12.20	.480	99.6	3.921	8	14	860.1-1220-115A1-PM	☆	14.00	.551	182	7.165	180.0	7.087	133	5.236	2.0	.079	144°	20	0.255	COROMANT
12.30	.484	38.9	1.532	3	14	860.1-1230-040A1-PM	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	144°	20	0.178	DIN 6537 K
12.30	.484	62.2	2.449	5	14	860.1-1230-057A1-PM	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	144°	20	0.196	DIN 6537 L
12.30	.484	100.4	3.953	8	14	860.1-1230-115A1-PM	☆	14.00	.551	182	7.165	180.0	7.087	133	5.236	2.0	.079	144°	20	0.258	COROMANT
12.40	.488	62.1	2.445	5	14	860.1-1240-057A1-PM	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	144°	20	0.198	DIN 6537 L
12.40	.488	101.2	3.984	8	14	860.1-1240-115A1-PM	☆	14.00	.551	182	7.165	180.0	7.087	133	5.236	2.0	.079	144°	20	0.260	COROMANT
12.50	.492	39.5	1.555	3	14	860.1-1250-040A1-PM	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	144°	20	0.181	DIN 6537 K
12.50	.492	62.0	2.441	4	14	860.1-1250-057A1-PM	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	144°	20	0.199	DIN 6537 L
12.50	.492	102.0	4.016	8	14	860.1-1250-115A1-PM	☆	14.00	.551	182	7.165	180.0	7.087	133	5.236	2.0	.079	144°	20	0.263	COROMANT
12.60	.496	39.9	1.571	3	14	860.1-1260-040A1-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	20	0.182	DIN 6537 K
12.70	.500	40.2	1.583	3	14	860.1-1270-040A1-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	20	0.183	DIN 6537 K
12.70	.500	61.8	2.433	4	14	860.1-1270-057A1-PM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	144°	20	0.203	DIN 6537 L
12.70	.500	103.7	4.083	8	14	860.1-1270-115A1-PM	☆	14.00	.551	182	7.165	179.9	7.083	134	5.276	2.1	.083	144°	20	0.268	COROMANT
12.80	.504	40.5	1.594	3	14	860.1-1280-040A1-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	20	0.185	DIN 6537 K
12.80	.504	61.6	2.425	4	14	860.1-1280-057A1-PM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	144°	20	0.204	DIN 6537 L
12.80	.504	104.5	4.114	8	14	860.1-1280-115A1-PM	☆	14.00	.551	182	7.165	179.9	7.083	134	5.276	2.1	.083	144°	20	0.271	COROMANT
13.00	.512	41.1	1.618	3	14	860.1-1300-040A1-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	20	0.187	DIN 6537 K
13.00	.512	61.4	2.417	4	14	860.1-1300-057A1-PM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	144°	20	0.208	DIN 6537 L
13.00	.512	106.1	4.177	8	14	860.1-1300-115A1-PM	☆	14.00	.551	182	7.165	179.9	7.083	134	5.276	2.1	.083	144°	20	0.276	COROMANT
13.10	.516	41.4	1.630	3	14	860.1-1310-040A1-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	20	0.189	DIN 6537 K
13.10	.516	61.3	2.413	4	14	860.1-1310-057A1-PM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	144°	20	0.209	DIN 6537 L
13.10	.516	106.9	4.209	8	14	860.1-1310-115A1-PM	☆	14.00	.551	182	7.165	179.9	7.083	134	5.276	2.1	.083	144°	20	0.279	COROMANT
13.25	.522	41.9	1.650	3	14	860.1-1325-040A1-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	20	0.191	DIN 6537 K
13.25	.522	61.1	2.406	4	14	860.1-1325-057A1-PM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	144°	20	0.212	DIN 6537 L
13.25	.522	108.1	4.256	8	14	860.1-1325-115A1-PM	☆	14.00	.551	182	7.165	179.9	7.083	134	5.276	2.1	.083	144°	20	0.283	COROMANT
13.50	.531	42.7	1.681	3	14	860.1-1350-040A1-PM	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	144°	20	0.194	DIN 6537 K
13.50	.531	60.8	2.394	4	14	860.1-1350-057A1-PM	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	144°	20	0.216	DIN 6537 L
13.50	.531	110.2	4.339	8	14	860.1-1350-115A1-PM	☆	14.00	.551	182	7.165	179.8	7.079	134	5.276	2.2	.087	144°	20	0.290	COROMANT
13.75	.541	43.5	1.713	3	14	860.1-1375-040A1-PM	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	144°	20	0.198	DIN 6537 K
13.75	.541	60.5	2.382	4	14	860.1-1375-057A1-PM	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	144°	20	0.220	DIN 6537 L
13.80	.543	43.4	1.709	3	14	860.1-1380-040A1-PM	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	144°	20	0.199	DIN 6537 K
13.80	.543	60.4	2.378	4	14	860.1-1380-057A1-PM	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	144°	20	0.221	DIN 6537 L
13.80	.543	112.6	4.433	8	14	860.1-1380-115A1-PM	☆	14.00	.551	182	7.165	179.8	7.079	134	5.276	2.2	.087	144°	20	0.299	COROMANT
13.89	.547	60.3	2.374	4	14	860.1-1389-057A1-PM	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	144°	20	0.223	DIN 6537 L
14.00	.551	44.3	1.744	3	14	860.1-1400-040A1-PM	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	144°	20	0.202	DIN 6537 K
14.00	.551	63.0	2.480	4	14	860.1-1400-057A1-PM	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	144°	20	0.225	DIN 6537 L
14.00	.551	114.3	4.500	8	14	860.1-1400-115A1-PM	☆	14.00	.551	182	7.165	179.7	7.075	134	5.276	2.3	.091	144°	20	0.305	COROMANT
14.25	.561	45.0	1.772	3	16	860.1-1425-044A1-PM	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	145°	20	0.252	DIN 6537 K
14.25	.561	68.8	2.709	4	16	860.1-1425-062A1-PM	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	145°	20	0.278	DIN 6537 L
14.29	.563	45.2	1.780	3	16	860.1-1429-044A1-PM	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	144°	20	0.253	DIN 6537 K
14.29	.563	68.7	2.705	4	16	860.1-1429-062A1-PM	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	144°	20	0.278	DIN 6537 L
14.50	.571	45.8	1.803	3	16	860.1-1450-044A1-PM	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	145°	20	0.256	DIN 6537 K
14.50	.571	68.5	2.697	4	16	860.1-1450-062A1-PM	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	145°	20	0.283	DIN 6537 L

O5 Q5 K208 K252 Q1 Q35

SANDVIK Coromant

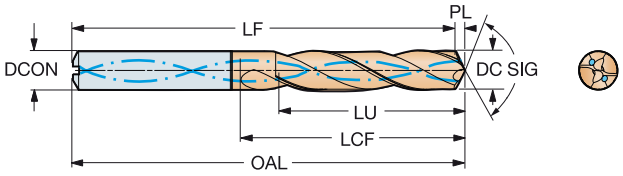
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code		P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
14.69	.578	46.4	1.827	3	16	860.1-1469-044A1-PM	☆		16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	145°	20	0.259	DIN 6537 K
14.69	.578	68.3	2.689	4	16	860.1-1469-062A1-PM	☆		16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	145°	20	0.286	DIN 6537 L
14.75	.581	68.3	2.689	4	16	860.1-1475-062A1-PM	☆		16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	145°	20	0.288	DIN 6537 L
14.80	.583	68.2	2.685	4	16	860.1-1480-062A1-PM	☆		16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	145°	20	0.289	DIN 6537 L
15.00	.591	47.4	1.866	3	16	860.1-1500-044A1-PM	☆		16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	145°	20	0.264	DIN 6537 K
15.00	.591	68.0	2.677	4	16	860.1-1500-062A1-PM	☆		16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	145°	20	0.293	DIN 6537 L
15.50	.610	49.0	1.929	3	16	860.1-1550-044A1-PM	☆		16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	145°	20	0.273	DIN 6537 K
15.50	.610	67.5	2.657	4	16	860.1-1550-062A1-PM	☆		16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	145°	20	0.303	DIN 6537 L
15.80	.622	49.2	1.937	3	16	860.1-1580-044A1-PM	☆		16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	145°	20	0.278	DIN 6537 K
15.80	.622	67.2	2.646	4	16	860.1-1580-062A1-PM	☆		16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	145°	20	0.310	DIN 6537 L
15.87	.625	49.1	1.933	3	16	860.1-1587-044A1-PM	☆		16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	145°	20	0.280	DIN 6537 K
15.87	.625	67.1	2.642	4	16	860.1-1587-062A1-PM	☆		16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	145°	20	0.311	DIN 6537 L
16.00	.630	49.0	1.929	3	16	860.1-1600-044A1-PM	☆		16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	145°	20	0.282	DIN 6537 K
16.00	.630	67.0	2.638	4	16	860.1-1600-062A1-PM	☆		16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	145°	20	0.314	DIN 6537 L
16.00	.630	130.5	5.138	8	16	860.1-1600-133A1-PM	☆		16.00	.630	204	8.032	201.5	7.933	154	6.063	2.5	.098	145°	20	0.442	COROMANT
16.10	.634	50.9	2.004	3	18	860.1-1610-050A1-PM	☆		18.00	.709	123	4.843	120.4	4.740	73	2.874	2.6	.102	145°	20	0.337	DIN 6537 K
16.10	.634	76.9	3.028	4	18	860.1-1610-070A1-PM	☆		18.00	.709	143	5.630	140.4	5.528	93	3.661	2.6	.102	145°	20	0.373	DIN 6537 L
16.50	.650	52.1	2.051	3	18	860.1-1650-050A1-PM	☆		18.00	.709	123	4.843	120.4	4.740	73	2.874	2.6	.102	145°	20	0.345	DIN 6537 K
16.50	.650	76.5	3.012	4	18	860.1-1650-070A1-PM	☆		18.00	.709	143	5.630	140.4	5.528	93	3.661	2.6	.102	145°	20	0.383	DIN 6537 L
16.67	.656	52.6	2.071	3	18	860.1-1667-050A1-PM	☆		18.00	.709	123	4.843	120.4	4.740	73	2.874	2.6	.102	145°	20	0.349	DIN 6537 K
16.67	.656	76.3	3.004	4	18	860.1-1667-070A1-PM	☆		18.00	.709	143	5.630	140.4	5.528	93	3.661	2.6	.102	145°	20	0.388	DIN 6537 L
16.80	.661	53.0	2.087	3	18	860.1-1680-050A1-PM	☆		18.00	.709	123	4.843	120.4	4.740	73	2.874	2.6	.102	145°	20	0.351	DIN 6537 K
16.80	.661	76.2	3.000	4	18	860.1-1680-070A1-PM	☆		18.00	.709	143	5.630	140.4	5.528	93	3.661	2.6	.102	145°	20	0.391	DIN 6537 L
17.00	.669	53.7	2.114	3	18	860.1-1700-050A1-PM	☆		18.00	.709	123	4.843	120.3	4.736	73	2.874	2.7	.106	145°	20	0.356	DIN 6537 K
17.00	.669	76.0	2.992	4	18	860.1-1700-070A1-PM	☆		18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	145°	20	0.396	DIN 6537 L
17.50	.689	55.2	2.173	3	18	860.1-1750-050A1-PM	☆		18.00	.709	123	4.843	120.3	4.736	73	2.874	2.7	.106	145°	20	0.366	DIN 6537 K
17.50	.689	75.5	2.972	4	18	860.1-1750-070A1-PM	☆		18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	145°	20	0.409	DIN 6537 L
17.80	.701	75.2	2.961	4	18	860.1-1780-070A1-PM	☆		18.00	.709	143	5.630	140.2	5.520	93	3.661	2.8	.110	145°	20	0.418	DIN 6537 L
18.00	.709	56.8	2.236	3	18	860.1-1800-050A1-PM	☆		18.00	.709	123	4.843	120.2	4.732	73	2.874	2.8	.110	146°	20	0.378	DIN 6537 K
18.00	.709	78.6	3.094	4	18	860.1-1800-070A1-PM	☆		18.00	.709	143	5.630	140.2	5.520	93	3.661	2.8	.110	146°	20	0.423	DIN 6537 L
18.50	.728	58.4	2.299	3	20	860.1-1850-055A1-PM	☆		20.00	.787	131	5.157	128.1	5.043	79	3.110	2.9	.114	145°	20	0.455	DIN 6537 K
18.80	.740	59.3	2.335	3	20	860.1-1880-055A1-PM	☆		20.00	.787	131	5.157	128.1	5.043	79	3.110	2.9	.114	145°	20	0.462	DIN 6537 K
18.80	.740	86.0	3.386	4	20	860.1-1880-077A1-PM	☆		20.00	.787	153	6.024	150.1	5.909	101	3.976	2.9	.114	145°	20	0.517	DIN 6537 L
19.00	.748	59.9	2.358	3	20	860.1-1900-055A1-PM	☆		20.00	.787	131	5.157	128.1	5.043	79	3.110	2.9	.114	145°	20	0.467	DIN 6537 K
19.00	.748	85.8	3.378	4	20	860.1-1900-077A1-PM	☆		20.00	.787	153	6.024	150.1	5.909	101	3.976	2.9	.114	145°	20	0.523	DIN 6537 L
19.05	.750	60.1	2.366	3	20	860.1-1905-055A1-PM	☆		20.00	.787	131	5.157	128.0	5.039	79	3.110	3.0	.118	146°	20	0.469	DIN 6537 K
19.05	.750	85.8	3.378	4	20	860.1-1905-077A1-PM	☆		20.00	.787	153	6.024	150.0	5.906	101	3.976	3.0	.118	146°	20	0.525	DIN 6537 L
19.80	.780	62.4	2.457	3	20	860.1-1980-055A1-PM	☆		20.00	.787	131	5.157	128.0	5.039	79	3.110	3.0	.118	146°	20	0.488	DIN 6537 K
20.00	.787	63.0	2.480	3	20	860.1-2000-055A1-PM	☆		20.00	.787	131	5.157	127.9	5.035	79	3.110	3.1	.122	146°	20	0.494	DIN 6537 K
20.00	.787	85.0	3.346	4	20	860.1-2000-077A1-PM	☆		20.00	.787	153	6.024	149.9	5.902	101	3.976	3.1	.122	146°	20	0.555	DIN 6537 L

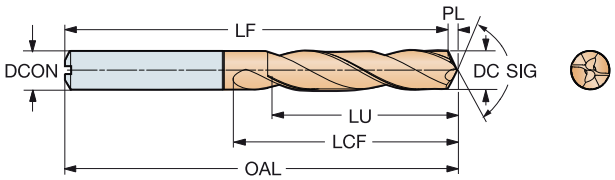
O5 Q5 K208 K252 Q1 Q35

CoroDrill® 860 solid carbide drill

HA shank



TCHA H8
CNSC 0



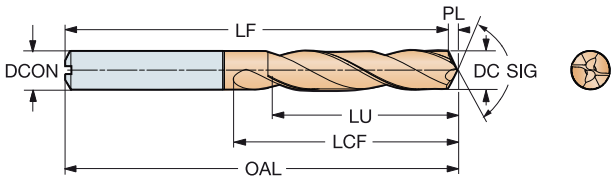
DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
3.00	.118	9.5	.374	3	6	860.1-0300-016A0-PM	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	142°	0.016	DIN 6537 K
3.00	.118	15.5	.610	5	6	860.1-0300-021A0-PM	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	142°	0.017	DIN 6537 L
3.10	.122	9.8	.386	3	6	860.1-0310-016A0-PM	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	143°	0.017	DIN 6537 K
3.10	.122	16.0	.630	5	6	860.1-0310-021A0-PM	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	143°	0.017	DIN 6537 L
3.20	.126	10.1	.398	3	6	860.1-0320-016A0-PM	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	143°	0.017	DIN 6537 K
3.20	.126	16.5	.650	5	6	860.1-0320-021A0-PM	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	143°	0.017	DIN 6537 L
3.30	.130	10.5	.413	3	6	860.1-0330-016A0-PM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	0.017	DIN 6537 K
3.30	.130	17.1	.673	5	6	860.1-0330-021A0-PM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	0.017	DIN 6537 L
3.38	.133	17.5	.689	5	6	860.1-0338-021A0-PM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	138°	0.017	DIN 6537 L
3.40	.134	10.8	.425	3	6	860.1-0340-016A0-PM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	0.017	DIN 6537 K
3.40	.134	17.6	.693	5	6	860.1-0340-021A0-PM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	0.017	DIN 6537 L
3.50	.138	11.1	.437	3	6	860.1-0350-016A0-PM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	0.017	DIN 6537 K
3.50	.138	18.1	.713	5	6	860.1-0350-021A0-PM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	0.017	DIN 6537 L
3.60	.142	11.4	.449	3	6	860.1-0360-016A0-PM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	0.017	DIN 6537 K
3.60	.142	18.6	.732	5	6	860.1-0360-021A0-PM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	0.018	DIN 6537 L
3.70	.146	11.7	.461	3	6	860.1-0370-016A0-PM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	143°	0.018	DIN 6537 K
3.70	.146	19.1	.752	5	6	860.1-0370-021A0-PM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	143°	0.018	DIN 6537 L
3.80	.150	12.1	.476	3	6	860.1-0380-018A0-PM	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	0.018	DIN 6537 K
3.80	.150	19.7	.776	5	6	860.1-0380-027A0-PM	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	0.019	DIN 6537 L
3.90	.154	12.4	.488	3	6	860.1-0390-018A0-PM	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	0.018	DIN 6537 K
3.90	.154	20.2	.795	5	6	860.1-0390-027A0-PM	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	0.019	DIN 6537 L
4.00	.157	12.7	.500	3	6	860.1-0400-018A0-PM	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	0.019	DIN 6537 K
4.00	.157	20.7	.815	5	6	860.1-0400-027A0-PM	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	0.019	DIN 6537 L
4.10	.161	13.0	.512	3	6	860.1-0410-018A0-PM	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	0.019	DIN 6537 K
4.10	.161	21.2	.835	5	6	860.1-0410-027A0-PM	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	0.020	DIN 6537 L
4.20	.165	13.3	.524	3	6	860.1-0420-018A0-PM	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	141°	0.019	DIN 6537 K
4.20	.165	21.7	.854	5	6	860.1-0420-027A0-PM	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	141°	0.020	DIN 6537 L
4.30	.169	13.7	.539	3	6	860.1-0430-018A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	0.019	DIN 6537 K
4.30	.169	22.3	.878	5	6	860.1-0430-027A0-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	0.020	DIN 6537 L
4.40	.173	14.0	.551	3	6	860.1-0440-018A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	141°	0.019	DIN 6537 K
4.40	.173	22.8	.898	5	6	860.1-0440-027A0-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	141°	0.021	DIN 6537 L
4.50	.177	14.3	.563	3	6	860.1-0450-018A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	0.020	DIN 6537 K
4.50	.177	23.3	.917	5	6	860.1-0450-027A0-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	0.020	DIN 6537 L
4.55	.179	23.5	.925	5	6	860.1-0455-027A0-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	0.021	DIN 6537 L
4.60	.181	14.6	.575	3	6	860.1-0460-018A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	0.020	DIN 6537 K
4.60	.181	23.8	.937	5	6	860.1-0460-027A0-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	0.021	DIN 6537 L
4.70	.185	14.6	.575	3	6	860.1-0470-018A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	142°	0.020	DIN 6537 K
4.70	.185	24.3	.957	5	6	860.1-0470-027A0-PM	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	142°	0.021	DIN 6537 L
4.80	.189	15.2	.598	3	6	860.1-0480-019A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	0.022	DIN 6537 K
4.80	.189	24.8	.976	5	6	860.1-0480-037A0-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	0.024	DIN 6537 L
4.90	.193	15.5	.610	3	6	860.1-0490-019A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	0.023	DIN 6537 K
4.90	.193	25.3	.996	5	6	860.1-0490-037A0-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	0.024	DIN 6537 L
5.00	.197	15.8	.622	3	6	860.1-0500-019A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	0.023	DIN 6537 K
5.00	.197	25.8	1.016	5	6	860.1-0500-037A0-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	0.025	DIN 6537 L
5.10	.201	16.1	.634	3	6	860.1-0510-019A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	0.023	DIN 6537 K
5.10	.201	26.3	1.035	5	6	860.1-0510-037A0-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	0.025	DIN 6537 L
5.20	.205	16.4	.646	3	6	860.1-0520-019A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	0.024	DIN 6537 K
5.20	.205	26.8	1.055	5	6	860.1-0520-037A0-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	0.026	DIN 6537 L

CoroDrill® 860 solid carbide drill

HA shank



TCHA H8
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
								Dimensions, mm, inch												
5.30	.209	16.7	.657	3	6	860.1-0530-019A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	0.024	DIN 6537 K
5.30	.209	27.3	1.075	5	6	860.1-0530-037A0-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	0.026	DIN 6537 L
5.40	.213	17.0	.669	3	6	860.1-0540-019A0-PM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	145°	0.025	DIN 6537 K
5.40	.213	27.8	1.094	5	6	860.1-0540-037A0-PM	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	145°	0.027	DIN 6537 L
5.50	.217	17.4	.685	3	6	860.1-0550-019A0-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	0.025	DIN 6537 K
5.50	.217	28.4	1.118	5	6	860.1-0550-037A0-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	0.027	DIN 6537 L
5.60	.220	17.7	.697	3	6	860.1-0560-019A0-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	0.025	DIN 6537 K
5.60	.220	28.9	1.138	5	6	860.1-0560-037A0-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	0.028	DIN 6537 L
5.70	.224	17.7	.697	3	6	860.1-0570-019A0-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	0.026	DIN 6537 K
5.70	.224	29.4	1.157	5	6	860.1-0570-037A0-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	0.028	DIN 6537 L
5.80	.228	17.6	.693	3	6	860.1-0580-019A0-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	0.026	DIN 6537 K
5.80	.228	29.9	1.177	5	6	860.1-0580-037A0-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	0.028	DIN 6537 L
5.90	.232	17.4	.685	2	6	860.1-0590-019A0-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	0.026	DIN 6537 K
5.90	.232	30.4	1.197	5	6	860.1-0590-037A0-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	0.029	DIN 6537 L
6.00	.236	18.9	.744	3	6	860.1-0600-019A0-PM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	145°	0.027	DIN 6537 K
6.00	.236	30.9	1.217	5	6	860.1-0600-037A0-PM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	145°	0.029	DIN 6537 L
6.10	.240	19.3	.760	3	8	860.1-0610-024A0-PM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	143°	0.040	DIN 6537 K
6.10	.240	31.5	1.240	5	8	860.1-0610-040A0-PM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	143°	0.042	DIN 6537 L
6.20	.244	19.6	.772	3	8	860.1-0620-024A0-PM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	144°	0.040	DIN 6537 K
6.20	.244	32.0	1.260	5	8	860.1-0620-040A0-PM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	144°	0.043	DIN 6537 L
6.30	.248	19.9	.783	3	8	860.1-0630-024A0-PM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	144°	0.041	DIN 6537 K
6.30	.248	32.5	1.280	5	8	860.1-0630-040A0-PM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	144°	0.043	DIN 6537 L
6.40	.252	20.2	.795	3	8	860.1-0640-024A0-PM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	144°	0.041	DIN 6537 K
6.40	.252	33.0	1.299	5	8	860.1-0640-040A0-PM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	144°	0.044	DIN 6537 L
6.50	.256	20.6	.811	3	8	860.1-0650-024A0-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	0.042	DIN 6537 K
6.50	.256	33.6	1.323	5	8	860.1-0650-040A0-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	0.045	DIN 6537 L
6.60	.260	20.9	.823	3	8	860.1-0660-024A0-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	0.042	DIN 6537 K
6.60	.260	34.1	1.343	5	8	860.1-0660-040A0-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	0.045	DIN 6537 L
6.70	.264	21.2	.835	3	8	860.1-0670-024A0-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	0.043	DIN 6537 K
6.70	.264	34.6	1.362	5	8	860.1-0670-040A0-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	0.046	DIN 6537 L
6.80	.268	21.5	.846	3	8	860.1-0680-024A0-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	0.043	DIN 6537 K
6.80	.268	35.1	1.382	5	8	860.1-0680-040A0-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	0.046	DIN 6537 L
6.90	.272	21.8	.858	3	8	860.1-0690-024A0-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	0.044	DIN 6537 K
6.90	.272	35.6	1.402	5	8	860.1-0690-040A0-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	0.047	DIN 6537 L
7.00	.276	22.1	.870	3	8	860.1-0700-024A0-PM	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	144°	0.044	DIN 6537 K
7.00	.276	36.1	1.421	5	8	860.1-0700-040A0-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	0.048	DIN 6537 L
7.10	.280	22.4	.882	3	8	860.1-0710-028A0-PM	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	144°	0.044	DIN 6537 K
7.10	.280	36.6	1.441	5	8	860.1-0710-040A0-PM	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	144°	0.048	DIN 6537 L
7.20	.283	22.8	.898	3	8	860.1-0720-028A0-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	0.045	DIN 6537 K
7.20	.283	37.2	1.465	5	8	860.1-0720-040A0-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	0.049	DIN 6537 L
7.30	.287	23.1	.909	3	8	860.1-0730-028A0-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	0.045	DIN 6537 K
7.30	.287	37.7	1.484	5	8	860.1-0730-040A0-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	0.050	DIN 6537 L
7.40	.291	23.4	.921	3	8	860.1-0740-028A0-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	0.046	DIN 6537 K
7.40	.291	38.2	1.504	5	8	860.1-0740-040A0-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	0.050	DIN 6537 L
7.50	.295	23.7	.933	3	8	860.1-0750-028A0-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	0.046	DIN 6537 K
7.50	.295	38.7	1.524	5	8	860.1-0750-040A0-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	0.051	DIN 6537 L
7.60	.299	24.0	.945	3	8	860.1-0760-028A0-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	0.047	DIN 6537 K
7.70	.303	24.3	.957	3	8	860.1-0770-028A0-PM	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	144°	0.047	DIN 6537 K
7.70	.303	39.7	1.563	5	8	860.1-0770-040A0-PM	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	144°	0.052	DIN 6537 L


O5


Q5


K208


K252


Q1

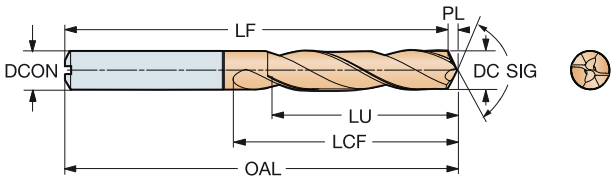

Q35

CoroDrill® 860 solid carbide drill

HA shank



TCHA H8
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
7.80	.307	24.7	.972	3	8	860.1-0780-028A0-PM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	144°	0.048	DIN 6537 K
7.80	.307	40.3	1.587	5	8	860.1-0780-040A0-PM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	144°	0.053	DIN 6537 L
7.90	.311	25.0	.984	3	8	860.1-0790-028A0-PM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	144°	0.048	DIN 6537 K
7.90	.311	40.8	1.606	5	8	860.1-0790-040A0-PM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	144°	0.054	DIN 6537 L
8.00	.315	25.3	.996	3	8	860.1-0800-028A0-PM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	145°	0.049	DIN 6537 K
8.00	.315	41.3	1.626	5	8	860.1-0800-040A0-PM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	145°	0.054	DIN 6537 L
8.10	.319	25.6	1.008	3	10	860.1-0810-031A0-PM	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	144°	0.072	DIN 6537 K
8.10	.319	41.8	1.646	5	10	860.1-0810-045A0-PM	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	144°	0.079	DIN 6537 L
8.20	.323	25.9	1.020	3	10	860.1-0820-031A0-PM	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	144°	0.073	DIN 6537 K
8.20	.323	42.3	1.665	5	10	860.1-0820-045A0-PM	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	144°	0.079	DIN 6537 L
8.30	.327	26.3	1.035	3	10	860.1-0830-031A0-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	0.073	DIN 6537 K
8.30	.327	42.9	1.689	5	10	860.1-0830-045A0-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	0.080	DIN 6537 L
8.40	.331	26.6	1.047	3	10	860.1-0840-031A0-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	0.074	DIN 6537 K
8.40	.331	43.4	1.709	5	10	860.1-0840-045A0-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	0.081	DIN 6537 L
8.50	.335	26.9	1.059	3	10	860.1-0850-031A0-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	0.075	DIN 6537 K
8.50	.335	43.9	1.728	5	10	860.1-0850-045A0-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	0.082	DIN 6537 L
8.60	.339	27.2	1.071	3	10	860.1-0860-031A0-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	0.076	DIN 6537 K
8.60	.339	44.4	1.748	5	10	860.1-0860-045A0-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	0.083	DIN 6537 L
8.70	.343	27.5	1.083	3	10	860.1-0870-031A0-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	0.076	DIN 6537 K
8.70	.343	44.9	1.768	5	10	860.1-0870-045A0-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	0.084	DIN 6537 L
8.80	.346	27.8	1.094	3	10	860.1-0880-031A0-PM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	144°	0.077	DIN 6537 K
8.80	.346	45.4	1.787	5	10	860.1-0880-045A0-PM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	144°	0.085	DIN 6537 L
9.00	.354	28.5	1.122	3	10	860.1-0900-031A0-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	0.079	DIN 6537 K
9.00	.354	46.5	1.831	5	10	860.1-0900-045A0-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	0.086	DIN 6537 L
9.10	.358	28.8	1.134	3	10	860.1-0910-031A0-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	0.079	DIN 6537 K
9.20	.362	29.1	1.146	3	10	860.1-0920-031A0-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	0.080	DIN 6537 K
9.20	.362	47.5	1.870	5	10	860.1-0920-045A0-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	0.088	DIN 6537 L
9.30	.366	29.4	1.157	3	10	860.1-0930-031A0-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	0.081	DIN 6537 K
9.30	.366	48.0	1.890	5	10	860.1-0930-045A0-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	0.089	DIN 6537 L
9.40	.370	29.7	1.169	3	10	860.1-0940-031A0-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	0.082	DIN 6537 K
9.50	.374	30.0	1.181	3	10	860.1-0950-031A0-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	0.082	DIN 6537 K
9.50	.374	48.7	1.917	5	10	860.1-0950-045A0-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	0.091	DIN 6537 L
9.60	.378	30.3	1.193	3	10	860.1-0960-031A0-PM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	144°	0.083	DIN 6537 K
9.60	.378	48.5	1.909	5	10	860.1-0960-045A0-PM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	144°	0.092	DIN 6537 L
9.70	.382	30.7	1.209	3	10	860.1-0970-031A0-PM	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	144°	0.084	DIN 6537 K
9.70	.382	48.4	1.906	4	10	860.1-0970-045A0-PM	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	144°	0.093	DIN 6537 L
9.80	.386	31.0	1.220	3	10	860.1-0980-031A0-PM	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	144°	0.085	DIN 6537 K
9.80	.386	48.3	1.902	4	10	860.1-0980-045A0-PM	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	144°	0.094	DIN 6537 L
9.90	.390	31.3	1.232	3	10	860.1-0990-031A0-PM	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	144°	0.086	DIN 6537 K
9.90	.390	48.1	1.894	4	10	860.1-0990-045A0-PM	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	144°	0.095	DIN 6537 L
10.00	.394	31.6	1.244	3	10	860.1-1000-031A0-PM	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	144°	0.086	DIN 6537 K
10.00	.394	48.0	1.890	4	10	860.1-1000-045A0-PM	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	144°	0.096	DIN 6537 L
10.10	.398	31.9	1.256	3	12	860.1-1010-037A0-PM	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	144°	0.122	DIN 6537 K
10.10	.398	52.1	2.051	5	12	860.1-1010-053A0-PM	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	144°	0.133	DIN 6537 L
10.20	.402	32.3	1.272	3	12	860.1-1020-037A0-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	0.123	DIN 6537 K
10.20	.402	52.7	2.075	5	12	860.1-1020-053A0-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	0.134	DIN 6537 L
10.30	.406	32.6	1.283	3	12	860.1-1030-037A0-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	0.124	DIN 6537 K
10.30	.406	53.2	2.094	5	12	860.1-1030-053A0-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	0.135	DIN 6537 L

O5 Q5 K208 K252 Q1 Q35

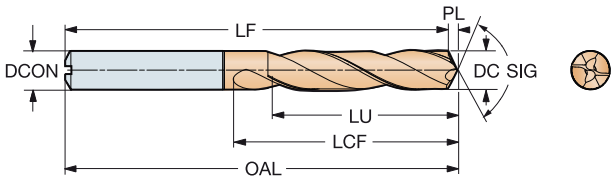
SANDVIK Coromant

CoroDrill® 860 solid carbide drill

HA shank



TCHA H8
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
								Dimensions, mm, inch												
10.40	.409	32.9	1.295	3	12	860.1-1040-037A0-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	0.125	DIN 6537 K
10.40	.409	53.7	2.114	5	12	860.1-1040-053A0-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	0.137	DIN 6537 L
10.50	.413	33.2	1.307	3	12	860.1-1050-037A0-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	0.126	DIN 6537 K
10.50	.413	54.2	2.134	5	12	860.1-1050-053A0-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	0.138	DIN 6537 L
10.60	.417	33.5	1.319	3	12	860.1-1060-037A0-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	0.127	DIN 6537 K
10.60	.417	54.7	2.154	5	12	860.1-1060-053A0-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	0.139	DIN 6537 L
10.70	.421	33.8	1.331	3	12	860.1-1070-037A0-PM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	144°	0.128	DIN 6537 K
10.70	.421	55.2	2.173	5	12	860.1-1070-053A0-PM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	144°	0.140	DIN 6537 L
10.80	.425	34.2	1.346	3	12	860.1-1080-037A0-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	0.129	DIN 6537 K
10.80	.425	55.8	2.197	5	12	860.1-1080-053A0-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	0.142	DIN 6537 L
10.90	.429	34.5	1.358	3	12	860.1-1090-037A0-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	0.130	DIN 6537 K
11.00	.433	34.8	1.370	3	12	860.1-1100-037A0-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	0.131	DIN 6537 K
11.00	.433	56.8	2.236	5	12	860.1-1100-053A0-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	0.144	DIN 6537 L
11.10	.437	35.1	1.382	3	12	860.1-1110-037A0-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	0.132	DIN 6537 K
11.10	.437	57.3	2.256	5	12	860.1-1110-053A0-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	0.146	DIN 6537 L
11.20	.441	35.4	1.394	3	12	860.1-1120-037A0-PM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	144°	0.133	DIN 6537 K
11.20	.441	57.6	2.268	5	12	860.1-1120-053A0-PM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	144°	0.147	DIN 6537 L
11.50	.453	36.4	1.433	3	12	860.1-1150-037A0-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	0.140	DIN 6537 K
11.50	.453	57.2	2.252	4	12	860.1-1150-053A0-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	0.136	DIN 6537 L
11.60	.457	36.7	1.445	3	12	860.1-1160-037A0-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	0.137	DIN 6537 K
11.70	.461	37.0	1.457	3	12	860.1-1170-037A0-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	0.138	DIN 6537 K
11.70	.461	57.0	2.244	4	12	860.1-1170-053A0-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	0.154	DIN 6537 L
11.80	.465	37.3	1.469	3	12	860.1-1180-037A0-PM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	144°	0.140	DIN 6537 K
11.80	.465	56.8	2.236	4	12	860.1-1180-053A0-PM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	144°	0.155	DIN 6537 L
12.00	.472	38.0	1.496	3	12	860.1-1200-037A0-PM	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	144°	0.142	DIN 6537 K
12.00	.472	56.6	2.228	4	12	860.1-1200-053A0-PM	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	144°	0.158	DIN 6537 L
12.10	.476	38.3	1.508	3	14	860.1-1210-040A0-PM	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	144°	0.175	DIN 6537 K
12.10	.476	62.5	2.461	5	14	860.1-1210-057A0-PM	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	144°	0.193	DIN 6537 L
12.20	.480	38.6	1.520	3	14	860.1-1220-040A0-PM	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	144°	0.177	DIN 6537 K
12.20	.480	62.4	2.457	5	14	860.1-1220-057A0-PM	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	144°	0.194	DIN 6537 L
12.30	.484	38.9	1.532	3	14	860.1-1230-040A0-PM	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	144°	0.178	DIN 6537 K
12.30	.484	62.2	2.449	5	14	860.1-1230-057A0-PM	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	144°	0.196	DIN 6537 L
12.40	.488	39.2	1.543	3	14	860.1-1240-040A0-PM	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	144°	0.179	DIN 6537 K
12.50	.492	39.5	1.555	3	14	860.1-1250-040A0-PM	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	144°	0.181	DIN 6537 K
12.50	.492	62.0	2.441	4	14	860.1-1250-057A0-PM	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	144°	0.199	DIN 6537 L
12.60	.496	39.9	1.571	3	14	860.1-1260-040A0-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	0.182	DIN 6537 K
12.60	.496	61.9	2.437	4	14	860.1-1260-057A0-PM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	144°	0.201	DIN 6537 L
12.70	.500	40.2	1.583	3	14	860.1-1270-040A0-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	0.183	DIN 6537 K
12.70	.500	61.8	2.433	4	14	860.1-1270-057A0-PM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	144°	0.203	DIN 6537 L
12.80	.504	40.5	1.594	3	14	860.1-1280-040A0-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	0.185	DIN 6537 K
13.00	.512	41.1	1.618	3	14	860.1-1300-040A0-PM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	144°	0.187	DIN 6537 K
13.00	.512	61.4	2.417	4	14	860.1-1300-057A0-PM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	144°	0.208	DIN 6537 L
13.50	.531	42.7	1.681	3	14	860.1-1350-040A0-PM	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	144°	0.194	DIN 6537 K
13.50	.531	60.8	2.394	4	14	860.1-1350-057A0-PM	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	144°	0.216	DIN 6537 L
13.80	.543	43.4	1.709	3	14	860.1-1380-040A0-PM	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	144°	0.199	DIN 6537 K
13.80	.543	60.4	2.378	4	14	860.1-1380-057A0-PM	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	144°	0.221	DIN 6537 L
14.00	.551	44.3	1.744	3	14	860.1-1400-040A0-PM	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	144°	0.202	DIN 6537 K
14.00	.551	63.0	2.480	4	14	860.1-1400-057A0-PM	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	144°	0.225	DIN 6537 L


O5


Q5


K208


K252


Q1

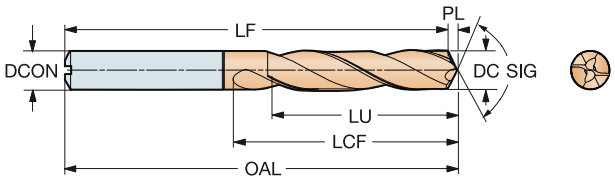

Q35

CoroDrill® 860 solid carbide drill

HA shank



TCHA H8
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 4234	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
								Dimensions, mm, inch												
14.25	.561	45.0	1.772	3	16	860.1-1425-044A0-PM	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	145°	0.252	DIN 6537 K
14.25	.561	68.8	2.709	4	16	860.1-1425-062A0-PM	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	145°	0.278	DIN 6537 L
14.50	.571	45.8	1.803	3	16	860.1-1450-044A0-PM	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	145°	0.256	DIN 6537 K
14.50	.571	68.5	2.697	4	16	860.1-1450-062A0-PM	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	145°	0.283	DIN 6537 L
15.00	.591	47.4	1.866	3	16	860.1-1500-044A0-PM	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	145°	0.264	DIN 6537 K
15.00	.591	68.0	2.677	4	16	860.1-1500-062A0-PM	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	145°	0.293	DIN 6537 L
15.50	.610	49.0	1.929	3	16	860.1-1550-044A0-PM	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	145°	0.273	DIN 6537 K
15.80	.622	49.2	1.937	3	16	860.1-1580-044A0-PM	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	145°	0.278	DIN 6537 K
15.80	.622	67.2	2.646	4	16	860.1-1580-062A0-PM	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	145°	0.310	DIN 6537 L
16.00	.630	49.0	1.929	3	16	860.1-1600-044A0-PM	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	145°	0.282	DIN 6537 K
16.00	.630	67.0	2.638	4	16	860.1-1600-062A0-PM	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	145°	0.314	DIN 6537 L
16.50	.650	52.1	2.051	3	18	860.1-1650-050A0-PM	☆	18.00	.709	123	4.843	120.4	4.740	73	2.874	2.6	.102	145°	0.345	DIN 6537 K
16.50	.650	76.5	3.012	4	18	860.1-1650-070A0-PM	☆	18.00	.709	143	5.630	140.4	5.528	93	3.661	2.6	.102	143°	0.383	DIN 6537 L
17.00	.669	53.7	2.114	3	18	860.1-1700-050A0-PM	☆	18.00	.709	123	4.843	120.3	4.736	73	2.874	2.7	.106	141°	0.356	DIN 6537 K
17.00	.669	76.0	2.992	4	18	860.1-1700-070A0-PM	☆	18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	140°	0.396	DIN 6537 L
17.50	.689	55.2	2.173	3	18	860.1-1750-050A0-PM	☆	18.00	.709	123	4.843	120.3	4.736	73	2.874	2.7	.106	138°	0.366	DIN 6537 K
17.50	.689	75.5	2.972	4	18	860.1-1750-070A0-PM	☆	18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	137°	0.409	DIN 6537 L
18.00	.709	56.8	2.236	3	18	860.1-1800-050A0-PM	☆	18.00	.709	123	4.843	120.2	4.732	73	2.874	2.8	.110	135°	0.378	DIN 6537 K
18.00	.709	78.6	3.094	4	18	860.1-1800-070A0-PM	☆	18.00	.709	143	5.630	140.2	5.520	93	3.661	2.8	.110	134°	0.423	DIN 6537 L
18.50	.728	58.4	2.299	3	20	860.1-1850-055A0-PM	☆	20.00	.787	131	5.157	128.1	5.043	79	3.110	2.9	.114	145°	0.455	DIN 6537 K
19.00	.748	59.9	2.358	3	20	860.1-1900-055A0-PM	☆	20.00	.787	131	5.157	128.1	5.043	79	3.110	2.9	.114	144°	0.467	DIN 6537 K
20.00	.787	63.0	2.480	3	20	860.1-2000-055A0-PM	☆	20.00	.787	131	5.157	127.9	5.035	79	3.110	3.1	.122	143°	0.494	DIN 6537 K
20.00	.787	85.0	3.346	4	20	860.1-2000-077A0-PM	☆	20.00	.787	153	6.024	149.9	5.902	101	3.976	3.1	.122	141°	0.555	DIN 6537 L

O5 Q5 K208 K252 Q1 Q35

SANDVIK Coromant

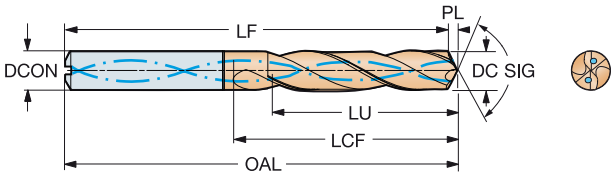
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M 2214	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.00	.118	9.5	.374	3	6	860.1-0300-009A1-MM	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.015	DIN 6537 K
3.00	.118	15.5	.610	5	6	860.1-0300-015A1-MM	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.015	DIN 6537 L
3.00	.118	24.5	.965	8	6	860.1-0300-024A1-MM	☆	6.00	.236	85	3.346	84.5	3.327	45	1.772	0.5	.020	140°	20	0.014	COROMANT
3.10	.122	9.8	.386	3	6	860.1-0310-009A1-MM	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.016	DIN 6537 K
3.10	.122	16.0	.630	5	6	860.1-0310-016A1-MM	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.015	DIN 6537 L
3.10	.122	25.3	.996	8	6	860.1-0310-025A1-MM	☆	6.00	.236	85	3.346	84.5	3.327	45	1.772	0.5	.020	140°	20	0.014	COROMANT
3.18	.125	10.0	.394	3	6	860.1-0318-010A1-MM	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.016	DIN 6537 K
3.18	.125	16.4	.646	5	6	860.1-0318-016A1-MM	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.015	DIN 6537 L
3.18	.125	25.9	1.020	8	6	860.1-0318-025A1-MM	☆	6.00	.236	85	3.346	84.5	3.327	45	1.772	0.5	.020	140°	20	0.014	COROMANT
3.20	.126	10.1	.398	3	6	860.1-0320-010A1-MM	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.016	DIN 6537 K
3.20	.126	16.5	.650	5	6	860.1-0320-016A1-MM	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.015	DIN 6537 L
3.30	.130	26.9	1.059	8	6	860.1-0320-026A1-MM	☆	6.00	.236	85	3.346	84.5	3.327	45	1.772	0.5	.020	140°	20	0.015	COROMANT
3.30	.130	10.4	.409	3	6	860.1-0330-010A1-MM	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.016	DIN 6537 K
3.30	.130	17.0	.669	5	6	860.1-0330-017A1-MM	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.015	DIN 6537 L
3.30	.130	26.9	1.059	8	6	860.1-0330-026A1-MM	☆	6.00	.236	85	3.346	84.5	3.327	45	1.772	0.5	.020	140°	20	0.015	COROMANT
3.40	.134	10.8	.425	3	6	860.1-0340-010A1-MM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.016	DIN 6537 K
3.40	.134	17.6	.693	5	6	860.1-0340-017A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.015	DIN 6537 L
3.40	.134	27.8	1.094	8	6	860.1-0340-027A1-MM	☆	6.00	.236	85	3.346	84.4	3.323	45	1.772	0.6	.024	140°	20	0.015	COROMANT
3.45	.136	10.9	.429	3	6	860.1-0345-010A1-MM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.016	DIN 6537 K
3.45	.136	17.8	.701	5	6	860.1-0345-017A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.016	DIN 6537 L
3.45	.136	28.2	1.110	8	6	860.1-0345-028A1-MM	☆	6.00	.236	85	3.346	84.4	3.323	45	1.772	0.6	.024	140°	20	0.015	COROMANT
3.50	.138	11.1	.437	3	6	860.1-0350-011A1-MM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.016	DIN 6537 K
3.50	.138	18.1	.713	5	6	860.1-0350-018A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.016	DIN 6537 L
3.50	.138	28.6	1.126	8	6	860.1-0350-028A1-MM	☆	6.00	.236	85	3.346	84.4	3.323	45	1.772	0.6	.024	140°	20	0.015	COROMANT
3.55	.140	11.2	.441	3	6	860.1-0355-011A1-MM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.016	DIN 6537 K
3.55	.140	18.3	.720	5	6	860.1-0355-018A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.016	DIN 6537 L
3.55	.140	29.0	1.142	8	6	860.1-0355-028A1-MM	☆	6.00	.236	85	3.346	84.4	3.323	45	1.772	0.6	.024	140°	20	0.015	COROMANT
3.57	.141	11.3	.445	3	6	860.1-0357-011A1-MM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.016	DIN 6537 K
3.57	.141	18.4	.724	5	6	860.1-0357-018A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.016	DIN 6537 L
3.57	.141	29.2	1.150	8	6	860.1-0357-029A1-MM	☆	6.00	.236	85	3.346	84.4	3.323	45	1.772	0.6	.024	140°	20	0.015	COROMANT
3.60	.142	11.4	.449	3	6	860.1-0360-011A1-MM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.016	DIN 6537 K
3.60	.142	18.6	.732	5	6	860.1-0360-018A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.016	DIN 6537 L
3.60	.142	29.4	1.157	8	6	860.1-0360-029A1-MM	☆	6.00	.236	85	3.346	84.4	3.323	45	1.772	0.6	.024	140°	20	0.015	COROMANT
3.70	.146	11.7	.461	3	6	860.1-0370-011A1-MM	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.016	DIN 6537 K
3.70	.146	19.1	.752	5	6	860.1-0370-019A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.016	DIN 6537 L
3.70	.146	30.2	1.189	8	6	860.1-0370-030A1-MM	☆	6.00	.236	85	3.346	84.4	3.323	45	1.772	0.6	.024	140°	20	0.015	COROMANT
3.80	.150	12.0	.472	3	6	860.1-0380-011A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.016	DIN 6537 K
3.80	.150	19.6	.772	5	6	860.1-0380-019A1-MM	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.016	DIN 6537 L
3.80	.150	31.0	1.220	8	6	860.1-0380-030A1-MM	☆	6.00	.236	102	4.016	101.4	3.992	58	2.283	0.6	.024	140°	20	0.016	COROMANT
3.90	.154	12.3	.484	3	6	860.1-0390-012A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.017	DIN 6537 K
3.90	.154	20.1	.791	5	6	860.1-0390-020A1-MM	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.016	DIN 6537 L
3.90	.154	31.8	1.252	8	6	860.1-0390-031A1-MM	☆	6.00	.236	102	4.016	101.4	3.992	58	2.283	0.6	.024	140°	20	0.016	COROMANT
3.97	.156	12.6	.496	3	6	860.1-0397-012A1-MM	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.017	DIN 6537 K
3.97	.156	20.5	.807	5	6	860.1-0397-020A1-MM	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.017	DIN 6537 L
3.97	.156	32.4	1.276	8	6	860.1-0397-032A1-MM	☆	6.00	.236	102	4.016	101.3	3.988	58	2.283	0.7	.028	140°	20	0.016	COROMANT
4.00	.157	12.7	.500	3	6	860.1-0400-012A1-MM	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.017	DIN 6537 K
4.00	.157	20.7	.815	5	6	860.1-0400-020A1-MM	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.017	DIN 6537 L
4.00	.157	32.7	1.287	8	6	860.1-0400-032A1-MM	☆	6.00	.236	102	4.016	101.3	3.988	58	2.283	0.7	.028	140°	20	0.017	COROMANT

 O5

 Q5

 K208

 K252

 Q1

 Q35

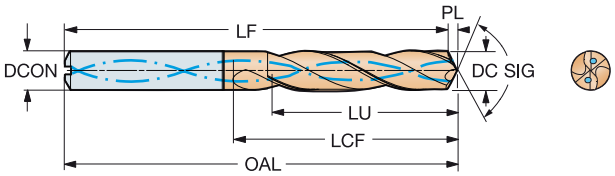
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M	2214	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
									Dimensions, mm, inch													
4.10	.161	13.0	.512	3	6	860.1-0410-012A1-MM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.017	DIN 6537 K
4.10	.161	21.2	.835	5	6	860.1-0410-021A1-MM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.017	DIN 6537 L
4.10	.161	33.5	1.319	8	6	860.1-0410-033A1-MM	☆		6.00	.236	102	4.016	101.3	3.988	58	2.283	0.7	.028	140°	20	0.017	COROMANT
4.20	.165	13.3	.524	3	6	860.1-0420-013A1-MM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.017	DIN 6537 K
4.20	.165	21.7	.854	5	6	860.1-0420-021A1-MM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.017	DIN 6537 L
4.20	.165	34.3	1.350	8	6	860.1-0420-034A1-MM	☆		6.00	.236	102	4.016	101.3	3.988	58	2.283	0.7	.028	140°	20	0.017	COROMANT
4.30	.169	13.6	.535	3	6	860.1-0430-013A1-MM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.017	DIN 6537 K
4.30	.169	22.2	.874	5	6	860.1-0430-022A1-MM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.017	DIN 6537 L
4.30	.169	35.1	1.382	8	6	860.1-0430-034A1-MM	☆		6.00	.236	102	4.016	101.3	3.988	58	2.283	0.7	.028	140°	20	0.017	COROMANT
4.37	.172	13.8	.543	3	6	860.1-0437-013A1-MM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.017	DIN 6537 K
4.37	.172	22.5	.886	5	6	860.1-0437-022A1-MM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.017	DIN 6537 L
4.37	.172	35.6	1.402	8	6	860.1-0437-035A1-MM	☆		6.00	.236	102	4.016	101.3	3.988	58	2.283	0.7	.028	140°	20	0.018	COROMANT
4.40	.173	13.9	.547	3	6	860.1-0440-013A1-MM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.017	DIN 6537 K
4.40	.173	22.7	.894	5	6	860.1-0440-022A1-MM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.017	DIN 6537 L
4.40	.173	35.9	1.413	8	6	860.1-0440-035A1-MM	☆		6.00	.236	102	4.016	101.3	3.988	58	2.283	0.7	.028	140°	20	0.018	COROMANT
4.50	.177	14.2	.559	3	6	860.1-0450-014A1-MM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.017	DIN 6537 K
4.50	.177	23.2	.913	5	6	860.1-0450-023A1-MM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.018	DIN 6537 L
4.50	.177	36.7	1.445	8	6	860.1-0450-036A1-MM	☆		6.00	.236	102	4.016	101.3	3.988	58	2.283	0.7	.028	140°	20	0.018	COROMANT
4.55	.179	14.4	.567	3	6	860.1-0455-014A1-MM	☆		6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.017	DIN 6537 K
4.55	.179	23.5	.925	5	6	860.1-0455-023A1-MM	☆		6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.018	DIN 6537 L
4.55	.179	37.1	1.461	8	6	860.1-0455-036A1-MM	☆		6.00	.236	102	4.016	101.3	3.988	58	2.283	0.7	.028	140°	20	0.018	COROMANT
4.60	.181	14.6	.575	3	6	860.1-0460-014A1-MM	☆		6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	20	0.017	DIN 6537 K
4.60	.181	23.8	.937	5	6	860.1-0460-023A1-MM	☆		6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	20	0.018	DIN 6537 L
4.60	.181	37.6	1.480	8	6	860.1-0460-037A1-MM	☆		6.00	.236	102	4.016	101.2	3.984	58	2.283	0.8	.031	140°	20	0.018	COROMANT
4.70	.185	14.6	.575	3	6	860.1-0470-014A1-MM	☆		6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	20	0.017	DIN 6537 K
4.70	.185	24.3	.957	5	6	860.1-0470-024A1-MM	☆		6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	20	0.018	DIN 6537 L
4.70	.185	38.4	1.512	8	6	860.1-0470-038A1-MM	☆		6.00	.236	102	4.016	101.2	3.984	58	2.283	0.8	.031	140°	20	0.019	COROMANT
4.76	.187	15.1	.594	3	6	860.1-0476-014A1-MM	☆		6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.018	DIN 6537 K
4.76	.187	24.6	.969	5	6	860.1-0476-024A1-MM	☆		6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.019	DIN 6537 L
4.76	.187	38.9	1.532	8	6	860.1-0476-038A1-MM	☆		6.00	.236	107	4.213	106.2	4.181	70	2.756	0.8	.031	140°	20	0.020	COROMANT
4.80	.189	15.2	.598	3	6	860.1-0480-014A1-MM	☆		6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.018	DIN 6537 K
4.80	.189	24.8	.976	5	6	860.1-0480-024A1-MM	☆		6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.019	DIN 6537 L
4.80	.189	39.2	1.543	8	6	860.1-0480-038A1-MM	☆		6.00	.236	107	4.213	106.2	4.181	70	2.756	0.8	.031	140°	20	0.021	COROMANT
4.90	.193	15.5	.610	3	6	860.1-0490-015A1-MM	☆		6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.019	DIN 6537 K
4.90	.193	25.3	.996	5	6	860.1-0490-025A1-MM	☆		6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.020	DIN 6537 L
4.90	.193	40.0	1.575	8	6	860.1-0490-039A1-MM	☆		6.00	.236	107	4.213	106.2	4.181	70	2.756	0.8	.031	140°	20	0.021	COROMANT
5.00	.197	15.8	.622	3	6	860.1-0500-015A1-MM	☆		6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.019	DIN 6537 K
5.00	.197	25.8	1.016	5	6	860.1-0500-025A1-MM	☆		6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.020	DIN 6537 L
5.00	.197	40.8	1.606	8	6	860.1-0500-040A1-MM	☆		6.00	.236	107	4.213	106.2	4.181	70	2.756	0.8	.031	140°	20	0.022	COROMANT
5.10	.201	16.1	.634	3	6	860.1-0510-015A1-MM	☆		6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.019	DIN 6537 K
5.10	.201	26.3	1.035	5	6	860.1-0510-026A1-MM	☆		6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.020	DIN 6537 L
5.10	.201	41.6	1.638	8	6	860.1-0510-041A1-MM	☆		6.00	.236	107	4.213	106.2	4.181	70	2.756	0.8	.031	140°	20	0.022	COROMANT
5.16	.203	16.3	.642	3	6	860.1-0516-016A1-MM	☆		6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.019	DIN 6537 K
5.16	.203	26.6	1.047	5	6	860.1-0516-026A1-MM	☆		6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.020	DIN 6537 L
5.20	.205	42.5	1.673	8	6	860.1-0516-041A1-MM	☆		6.00	.236	107	4.213	106.1	4.177	70	2.756	0.9	.035	140°	20	0.022	COROMANT
5.20	.205	16.5	.650	3	6	860.1-0520-016A1-MM	☆		6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.019	DIN 6537 K
5.20	.205	26.9	1.059	5	6	860.1-0520-026A1-MM	☆		6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.020	DIN 6537 L
5.20	.205	42.5	1.673	8	6	860.1-0520-042A1-MM	☆		6.00	.236	107	4.213	106.1	4.177	70	2.756	0.9	.035	140°	20	0.022	COROMANT

O5 Q5 K208 K252 Q1 Q35

SANDVIK Coromant

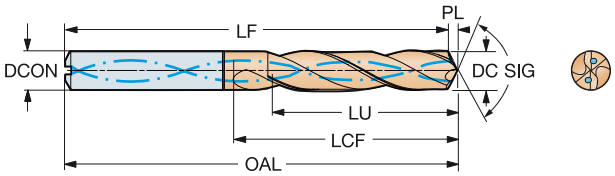
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M 2214	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
5.25	.207	16.6	.654	3	6	860.1-0525-016A1-MM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.019	DIN 6537 K
5.25	.207	27.1	1.067	5	6	860.1-0525-026A1-MM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.021	DIN 6537 L
5.25	.207	42.9	1.689	8	6	860.1-0525-042A1-MM	☆	6.00	.236	107	4.213	106.1	4.177	70	2.756	0.9	.035	140°	20	0.023	COROMANT
5.30	.209	16.8	.661	3	6	860.1-0530-016A1-MM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.019	DIN 6537 K
5.30	.209	27.4	1.079	5	6	860.1-0530-027A1-MM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.021	DIN 6537 L
5.30	.209	43.3	1.705	8	6	860.1-0530-042A1-MM	☆	6.00	.236	107	4.213	106.1	4.177	70	2.756	0.9	.035	140°	20	0.023	COROMANT
5.40	.213	17.1	.673	3	6	860.1-0540-016A1-MM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.020	DIN 6537 K
5.40	.213	27.9	1.098	5	6	860.1-0540-027A1-MM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.021	DIN 6537 L
5.40	.213	44.1	1.736	8	6	860.1-0540-043A1-MM	☆	6.00	.236	107	4.213	106.1	4.177	70	2.756	0.9	.035	140°	20	0.023	COROMANT
5.50	.217	17.4	.685	3	6	860.1-0550-017A1-MM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.020	DIN 6537 K
5.50	.217	28.4	1.118	5	6	860.1-0550-028A1-MM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.021	DIN 6537 L
5.50	.217	44.9	1.768	8	6	860.1-0550-044A1-MM	☆	6.00	.236	107	4.213	106.1	4.177	70	2.756	0.9	.035	140°	20	0.024	COROMANT
5.56	.219	17.6	.693	3	6	860.1-0556-017A1-MM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.020	DIN 6537 K
5.56	.219	28.7	1.130	5	6	860.1-0556-028A1-MM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.021	DIN 6537 L
5.56	.219	45.4	1.787	8	6	860.1-0556-045A1-MM	☆	6.00	.236	107	4.213	106.1	4.177	70	2.756	0.9	.035	140°	20	0.024	COROMANT
5.60	.220	17.7	.697	3	6	860.1-0560-017A1-MM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.020	DIN 6537 K
5.60	.220	28.9	1.138	5	6	860.1-0560-028A1-MM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.022	DIN 6537 L
5.60	.220	45.7	1.799	8	6	860.1-0560-045A1-MM	☆	6.00	.236	107	4.213	106.1	4.177	70	2.756	0.9	.035	140°	20	0.024	COROMANT
5.70	.224	17.7	.697	3	6	860.1-0570-017A1-MM	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.020	DIN 6537 K
5.70	.224	29.4	1.157	5	6	860.1-0570-029A1-MM	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.022	DIN 6537 L
5.70	.224	46.5	1.831	8	6	860.1-0570-046A1-MM	☆	6.00	.236	107	4.213	106.1	4.177	70	2.756	0.9	.035	140°	20	0.025	COROMANT
5.80	.228	17.6	.693	3	6	860.1-0580-017A1-MM	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.020	DIN 6537 K
5.80	.228	30.0	1.181	5	6	860.1-0580-029A1-MM	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.022	DIN 6537 L
5.80	.228	47.4	1.866	8	6	860.1-0580-046A1-MM	☆	6.00	.236	107	4.213	106.0	4.173	70	2.756	1.0	.039	140°	20	0.025	COROMANT
5.90	.232	17.4	.685	2	6	860.1-0590-018A1-MM	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.020	DIN 6537 K
5.90	.232	30.5	1.201	5	6	860.1-0590-030A1-MM	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.023	DIN 6537 L
5.90	.232	48.2	1.898	8	6	860.1-0590-047A1-MM	☆	6.00	.236	107	4.213	106.0	4.173	70	2.756	1.0	.039	140°	20	0.026	COROMANT
5.95	.234	17.3	.681	2	6	860.1-0595-018A1-MM	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.021	DIN 6537 K
5.95	.234	30.7	1.209	5	6	860.1-0595-030A1-MM	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.023	DIN 6537 L
5.95	.234	48.6	1.913	8	6	860.1-0595-048A1-MM	☆	6.00	.236	107	4.213	106.0	4.173	70	2.756	1.0	.039	140°	20	0.026	COROMANT
6.00	.236	19.0	.748	3	6	860.1-0600-018A1-MM	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.021	DIN 6537 K
6.00	.236	31.0	1.220	5	6	860.1-0600-030A1-MM	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.023	DIN 6537 L
6.00	.236	49.0	1.929	8	6	860.1-0600-048A1-MM	☆	6.00	.236	107	4.213	106.0	4.173	70	2.756	1.0	.039	140°	20	0.026	COROMANT
6.10	.240	19.3	.760	3	8	860.1-0610-018A1-MM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.034	DIN 6537 K
6.10	.240	31.5	1.240	5	8	860.1-0610-031A1-MM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.036	DIN 6537 L
6.10	.240	49.8	1.961	8	8	860.1-0610-049A1-MM	☆	8.00	.315	124	4.882	123.0	4.843	85	3.346	1.0	.039	140°	20	0.039	COROMANT
6.20	.244	19.6	.772	3	8	860.1-0620-019A1-MM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.035	DIN 6537 K
6.20	.244	32.0	1.260	5	8	860.1-0620-031A1-MM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.037	DIN 6537 L
6.20	.244	50.6	1.992	8	8	860.1-0620-050A1-MM	☆	8.00	.315	124	4.882	123.0	4.843	85	3.346	1.0	.039	140°	20	0.040	COROMANT
6.30	.248	19.9	.783	3	8	860.1-0630-019A1-MM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.035	DIN 6537 K
6.30	.248	32.5	1.280	5	8	860.1-0630-032A1-MM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.037	DIN 6537 L
6.30	.248	51.4	2.024	8	8	860.1-0630-050A1-MM	☆	8.00	.315	124	4.882	123.0	4.843	85	3.346	1.0	.039	140°	20	0.041	COROMANT
6.35	.250	20.1	.791	3	8	860.1-0635-019A1-MM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.035	DIN 6537 K
6.35	.250	32.8	1.291	5	8	860.1-0635-032A1-MM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.037	DIN 6537 L
6.35	.250	51.8	2.039	8	8	860.1-0635-051A1-MM	☆	8.00	.315	124	4.882	123.0	4.843	85	3.346	1.0	.039	140°	20	0.041	COROMANT
6.40	.252	20.2	.795	3	8	860.1-0640-019A1-MM	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.035	DIN 6537 K
6.40	.252	33.0	1.299	5	8	860.1-0640-032A1-MM	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.038	DIN 6537 L
6.40	.252	52.2	2.055	8	8	860.1-0640-051A1-MM	☆	8.00	.315	124	4.882	123.0	4.843	85	3.346	1.0	.039	140°	20	0.041	COROMANT


O5


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K208


K252


Q1


Q35

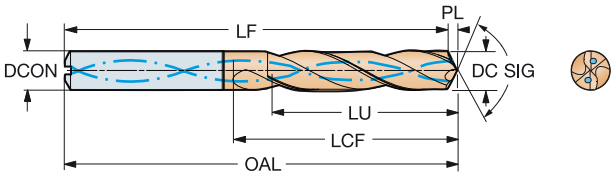
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



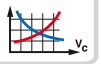
TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M	2214	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
									Dimensions, mm, inch													
6.50	.256	20.6	.811	3	8	860.1-0650-020A1-MM	☆		8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.036	DIN 6537 K
6.50	.256	33.6	1.323	5	8	860.1-0650-033A1-MM	☆		8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.038	DIN 6537 L
6.50	.256	53.1	2.091	8	8	860.1-0650-052A1-MM	☆		8.00	.315	124	4.882	122.9	4.839	85	3.346	1.1	.043	140°	20	0.042	COROMANT
6.60	.260	20.9	.823	3	8	860.1-0660-020A1-MM	☆		8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.036	DIN 6537 K
6.60	.260	34.1	1.343	5	8	860.1-0660-033A1-MM	☆		8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.038	DIN 6537 L
6.60	.260	53.9	2.122	8	8	860.1-0660-053A1-MM	☆		8.00	.315	124	4.882	122.9	4.839	85	3.346	1.1	.043	140°	20	0.043	COROMANT
6.70	.264	21.2	.835	3	8	860.1-0670-020A1-MM	☆		8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.036	DIN 6537 K
6.70	.264	34.6	1.362	5	8	860.1-0670-034A1-MM	☆		8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.039	DIN 6537 L
6.70	.264	54.7	2.154	8	8	860.1-0670-054A1-MM	☆		8.00	.315	124	4.882	122.9	4.839	85	3.346	1.1	.043	140°	20	0.043	COROMANT
6.75	.266	21.3	.839	3	8	860.1-0675-020A1-MM	☆		8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.036	DIN 6537 K
6.75	.266	34.8	1.370	5	8	860.1-0675-034A1-MM	☆		8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.039	DIN 6537 L
6.75	.266	55.1	2.169	8	8	860.1-0675-054A1-MM	☆		8.00	.315	124	4.882	122.9	4.839	85	3.346	1.1	.043	140°	20	0.044	COROMANT
6.80	.268	21.5	.846	3	8	860.1-0680-020A1-MM	☆		8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.036	DIN 6537 K
6.80	.268	35.1	1.382	5	8	860.1-0680-034A1-MM	☆		8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.039	DIN 6537 L
6.80	.268	55.5	2.185	8	8	860.1-0680-054A1-MM	☆		8.00	.315	124	4.882	122.9	4.839	85	3.346	1.1	.043	140°	20	0.044	COROMANT
6.90	.272	21.8	.858	3	8	860.1-0690-021A1-MM	☆		8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.037	DIN 6537 K
6.90	.272	35.6	1.402	5	8	860.1-0690-035A1-MM	☆		8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.040	DIN 6537 L
6.90	.272	56.3	2.217	8	8	860.1-0690-055A1-MM	☆		8.00	.315	124	4.882	122.9	4.839	85	3.346	1.1	.043	140°	20	0.045	COROMANT
7.00	.276	22.1	.870	3	8	860.1-0700-021A1-MM	☆		8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.037	DIN 6537 K
7.00	.276	36.1	1.421	5	8	860.1-0700-035A1-MM	☆		8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.040	DIN 6537 L
7.00	.276	57.1	2.248	8	8	860.1-0700-056A1-MM	☆		8.00	.315	124	4.882	122.9	4.839	85	3.346	1.1	.043	140°	20	0.046	COROMANT
7.10	.280	22.5	.886	3	8	860.1-0710-021A1-MM	☆		8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.039	DIN 6537 K
7.10	.280	36.7	1.445	5	8	860.1-0710-036A1-MM	☆		8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.041	DIN 6537 L
7.10	.280	58.0	2.283	8	8	860.1-0710-057A1-MM	☆		8.00	.315	124	4.882	122.8	4.835	85	3.346	1.2	.047	140°	20	0.046	COROMANT
7.14	.281	22.6	.890	3	8	860.1-0714-021A1-MM	☆		8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.039	DIN 6537 K
7.14	.281	36.9	1.453	5	8	860.1-0714-036A1-MM	☆		8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.041	DIN 6537 L
7.14	.281	58.3	2.295	8	8	860.1-0714-057A1-MM	☆		8.00	.315	124	4.882	122.8	4.835	85	3.346	1.2	.047	140°	20	0.047	COROMANT
7.20	.283	22.8	.898	3	8	860.1-0720-022A1-MM	☆		8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.039	DIN 6537 K
7.20	.283	37.2	1.465	5	8	860.1-0720-036A1-MM	☆		8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.041	DIN 6537 L
7.20	.283	58.8	2.315	8	8	860.1-0720-058A1-MM	☆		8.00	.315	124	4.882	122.8	4.835	85	3.346	1.2	.047	140°	20	0.047	COROMANT
7.30	.287	23.1	.909	3	8	860.1-0730-022A1-MM	☆		8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.039	DIN 6537 K
7.30	.287	37.7	1.484	5	8	860.1-0730-037A1-MM	☆		8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.042	DIN 6537 L
7.30	.287	59.6	2.346	8	8	860.1-0730-058A1-MM	☆		8.00	.315	124	4.882	122.8	4.835	85	3.346	1.2	.047	140°	20	0.048	COROMANT
7.40	.291	23.4	.921	3	8	860.1-0740-022A1-MM	☆		8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.040	DIN 6537 K
7.40	.291	38.2	1.504	5	8	860.1-0740-037A1-MM	☆		8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.042	DIN 6537 L
7.40	.291	60.4	2.378	8	8	860.1-0740-059A1-MM	☆		8.00	.315	124	4.882	122.8	4.835	85	3.346	1.2	.047	140°	20	0.049	COROMANT
7.50	.295	23.7	.933	3	8	860.1-0750-023A1-MM	☆		8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.040	DIN 6537 K
7.50	.295	38.7	1.524	5	8	860.1-0750-038A1-MM	☆		8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.043	DIN 6537 L
7.50	.295	61.2	2.409	8	8	860.1-0750-060A1-MM	☆		8.00	.315	124	4.882	122.8	4.835	85	3.346	1.2	.047	140°	20	0.050	COROMANT
7.54	.297	23.9	.941	3	8	860.1-0754-023A1-MM	☆		8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.040	DIN 6537 K
7.54	.297	38.9	1.532	5	8	860.1-0754-038A1-MM	☆		8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.043	DIN 6537 L
7.54	.297	61.6	2.425	8	8	860.1-0754-060A1-MM	☆		8.00	.315	124	4.882	122.8	4.835	85	3.346	1.2	.047	140°	20	0.050	COROMANT
7.60	.299	24.0	.945	3	8	860.1-0760-023A1-MM	☆		8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.040	DIN 6537 K
7.60	.299	39.2	1.543	5	8	860.1-0760-038A1-MM	☆		8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.043	DIN 6537 L
7.60	.299	62.0	2.441	8	8	860.1-0760-061A1-MM	☆		8.00	.315	124	4.882	122.8	4.835	85	3.346	1.2	.047	140°	20	0.050	COROMANT
7.70	.303	24.4	.961	3	8	860.1-0770-023A1-MM	☆		8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.041	DIN 6537 K
7.70	.303	39.8	1.567	5	8	860.1-0770-039A1-MM	☆		8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.044	DIN 6537 L
7.70	.303	62.9	2.476	8	8	860.1-0770-062A1-MM	☆		8.00	.315	124	4.882	122.7	4.831	85	3.346	1.3	.051	140°	20	0.051	COROMANT

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SANDVIK Coromant

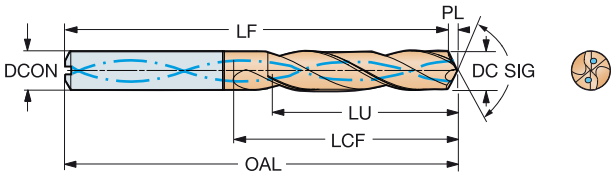
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M	Dimensions, mm, inch											CP Bar	Kg	BSG
							2214	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG			
7.80	.307	24.7	.972	3	8	860.1-0780-023A1-MM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.041	DIN 6537 K
7.80	.307	40.3	1.587	5	8	860.1-0780-039A1-MM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.044	DIN 6537 L
7.80	.307	63.7	2.508	8	8	860.1-0780-062A1-MM	☆	8.00	.315	124	4.882	122.7	4.831	85	3.346	1.3	.051	140°	20	0.052	COROMANT
7.90	.311	25.0	.984	3	8	860.1-0790-024A1-MM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.042	DIN 6537 K
7.90	.311	40.8	1.606	5	8	860.1-0790-040A1-MM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.045	DIN 6537 L
7.90	.311	64.5	2.539	8	8	860.1-0790-063A1-MM	☆	8.00	.315	124	4.882	122.7	4.831	85	3.346	1.3	.051	140°	20	0.053	COROMANT
7.94	.313	25.1	.988	3	8	860.1-0794-024A1-MM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.042	DIN 6537 K
7.94	.313	41.0	1.614	5	8	860.1-0794-040A1-MM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.045	DIN 6537 L
7.94	.313	64.8	2.551	8	8	860.1-0794-064A1-MM	☆	8.00	.315	124	4.882	122.7	4.831	85	3.346	1.3	.051	140°	20	0.053	COROMANT
8.00	.315	25.3	.996	3	8	860.1-0800-024A1-MM	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.042	DIN 6537 K
8.00	.315	41.3	1.626	5	8	860.1-0800-040A1-MM	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.045	DIN 6537 L
8.00	.315	65.3	2.571	8	8	860.1-0800-064A1-MM	☆	8.00	.315	124	4.882	122.7	4.831	85	3.346	1.3	.051	140°	20	0.054	COROMANT
8.10	.319	25.6	1.008	3	10	860.1-0810-024A1-MM	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.062	DIN 6537 K
8.10	.319	41.8	1.646	5	10	860.1-0810-041A1-MM	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.064	DIN 6537 L
8.10	.319	66.1	2.602	8	10	860.1-0810-065A1-MM	☆	10.00	.394	139	5.472	137.7	5.421	98	3.858	1.3	.051	140°	20	0.070	COROMANT
8.15	.321	25.8	1.016	3	10	860.1-0815-024A1-MM	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.062	DIN 6537 K
8.15	.321	42.1	1.657	5	10	860.1-0815-041A1-MM	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.064	DIN 6537 L
8.15	.321	66.5	2.618	8	10	860.1-0815-065A1-MM	☆	10.00	.394	139	5.472	137.7	5.421	98	3.858	1.3	.051	140°	20	0.071	COROMANT
8.20	.323	25.9	1.020	3	10	860.1-0820-025A1-MM	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.062	DIN 6537 K
8.20	.323	42.3	1.665	5	10	860.1-0820-041A1-MM	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.065	DIN 6537 L
8.20	.323	66.9	2.634	8	10	860.1-0820-066A1-MM	☆	10.00	.394	139	5.472	137.7	5.421	98	3.858	1.3	.051	140°	20	0.071	COROMANT
8.30	.327	26.3	1.035	3	10	860.1-0830-025A1-MM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.063	DIN 6537 K
8.30	.327	42.9	1.689	5	10	860.1-0830-042A1-MM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.065	DIN 6537 L
8.30	.327	67.8	2.669	8	10	860.1-0830-066A1-MM	☆	10.00	.394	139	5.472	137.6	5.417	98	3.858	1.4	.055	140°	20	0.072	COROMANT
8.33	.328	26.4	1.039	3	10	860.1-0833-025A1-MM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.063	DIN 6537 K
8.33	.328	43.0	1.693	5	10	860.1-0833-042A1-MM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.066	DIN 6537 L
8.33	.328	68.0	2.677	8	10	860.1-0833-067A1-MM	☆	10.00	.394	139	5.472	137.6	5.417	98	3.858	1.4	.055	140°	20	0.073	COROMANT
8.40	.331	26.6	1.047	3	10	860.1-0840-025A1-MM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.063	DIN 6537 K
8.40	.331	43.4	1.709	5	10	860.1-0840-042A1-MM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.066	DIN 6537 L
8.40	.331	68.6	2.701	8	10	860.1-0840-067A1-MM	☆	10.00	.394	139	5.472	137.6	5.417	98	3.858	1.4	.055	140°	20	0.074	COROMANT
8.50	.335	26.9	1.059	3	10	860.1-0850-026A1-MM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.064	DIN 6537 K
8.50	.335	43.9	1.728	5	10	860.1-0850-043A1-MM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.067	DIN 6537 L
8.50	.335	69.4	2.732	8	10	860.1-0850-068A1-MM	☆	10.00	.394	139	5.472	137.6	5.417	98	3.858	1.4	.055	140°	20	0.075	COROMANT
8.60	.339	27.2	1.071	3	10	860.1-0860-026A1-MM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.064	DIN 6537 K
8.60	.339	44.4	1.748	5	10	860.1-0860-043A1-MM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.067	DIN 6537 L
8.60	.339	70.2	2.764	8	10	860.1-0860-069A1-MM	☆	10.00	.394	139	5.472	137.6	5.417	98	3.858	1.4	.055	140°	20	0.076	COROMANT
8.70	.343	27.5	1.083	3	10	860.1-0870-026A1-MM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.065	DIN 6537 K
8.70	.343	44.9	1.768	5	10	860.1-0870-044A1-MM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.068	DIN 6537 L
8.70	.343	71.0	2.795	8	10	860.1-0870-070A1-MM	☆	10.00	.394	139	5.472	137.6	5.417	98	3.858	1.4	.055	140°	20	0.077	COROMANT
8.73	.344	27.6	1.087	3	10	860.1-0873-026A1-MM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.065	DIN 6537 K
8.73	.344	45.1	1.776	5	10	860.1-0873-044A1-MM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.069	DIN 6537 L
8.73	.344	71.3	2.807	8	10	860.1-0873-070A1-MM	☆	10.00	.394	139	5.472	137.6	5.417	98	3.858	1.4	.055	140°	20	0.077	COROMANT
8.80	.346	27.8	1.094	3	10	860.1-0880-026A1-MM	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.065	DIN 6537 K
8.80	.346	45.4	1.787	5	10	860.1-0880-044A1-MM	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.069	DIN 6537 L
8.80	.346	71.8	2.827	8	10	860.1-0880-070A1-MM	☆	10.00	.394	139	5.472	137.6	5.417	98	3.858	1.4	.055	140°	20	0.078	COROMANT
8.90	.350	28.2	1.110	3	10	860.1-0890-027A1-MM	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.066	DIN 6537 K
8.90	.350	46.0	1.811	5	10	860.1-0890-045A1-MM	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.069	DIN 6537 L
8.90	.350	72.7	2.862	8	10	860.1-0890-071A1-MM	☆	10.00	.394	139	5.472	137.5	5.413	98	3.858	1.5	.059	140°	20	0.079	COROMANT

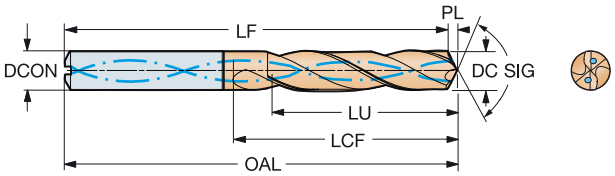
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M	2214	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
									Dimensions, mm, inch													
9.00	.354	28.5	1.122	3	10	860.1-0900-027A1-MM	☆		10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.066	DIN 6537 K
9.00	.354	46.5	1.831	5	10	860.1-0900-045A1-MM	☆		10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.070	DIN 6537 L
9.00	.354	73.5	2.894	8	10	860.1-0900-072A1-MM	☆		10.00	.394	139	5.472	137.5	5.413	98	3.858	1.5	.059	140°	20	0.080	COROMANT
9.10	.358	28.8	1.134	3	10	860.1-0910-027A1-MM	☆		10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.067	DIN 6537 K
9.10	.358	47.0	1.850	5	10	860.1-0910-046A1-MM	☆		10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.071	DIN 6537 L
9.10	.358	74.3	2.925	8	10	860.1-0910-073A1-MM	☆		10.00	.394	139	5.472	137.5	5.413	98	3.858	1.5	.059	140°	20	0.081	COROMANT
9.13	.359	28.9	1.138	3	10	860.1-0913-027A1-MM	☆		10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.067	DIN 6537 K
9.13	.359	47.1	1.854	5	10	860.1-0913-046A1-MM	☆		10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.071	DIN 6537 L
9.13	.359	74.5	2.933	8	10	860.1-0913-073A1-MM	☆		10.00	.394	139	5.472	137.5	5.413	98	3.858	1.5	.059	140°	20	0.082	COROMANT
9.20	.362	29.1	1.146	3	10	860.1-0920-028A1-MM	☆		10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.067	DIN 6537 K
9.20	.362	47.5	1.870	5	10	860.1-0920-046A1-MM	☆		10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.071	DIN 6537 L
9.20	.362	75.1	2.957	8	10	860.1-0920-074A1-MM	☆		10.00	.394	139	5.472	137.5	5.413	98	3.858	1.5	.059	140°	20	0.082	COROMANT
9.30	.366	29.4	1.157	3	10	860.1-0930-028A1-MM	☆		10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.068	DIN 6537 K
9.30	.366	48.0	1.890	5	10	860.1-0930-047A1-MM	☆		10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.072	DIN 6537 L
9.30	.366	75.9	2.988	8	10	860.1-0930-074A1-MM	☆		10.00	.394	139	5.472	137.5	5.413	98	3.858	1.5	.059	140°	20	0.084	COROMANT
9.40	.370	29.7	1.169	3	10	860.1-0940-028A1-MM	☆		10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.068	DIN 6537 K
9.40	.370	48.5	1.909	5	10	860.1-0940-047A1-MM	☆		10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.073	DIN 6537 L
9.40	.370	76.7	3.020	8	10	860.1-0940-075A1-MM	☆		10.00	.394	139	5.472	137.5	5.413	98	3.858	1.5	.059	140°	20	0.085	COROMANT
9.50	.374	30.1	1.185	3	10	860.1-0950-029A1-MM	☆		10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.069	DIN 6537 K
9.50	.374	48.7	1.917	5	10	860.1-0950-048A1-MM	☆		10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.073	DIN 6537 L
9.50	.374	77.6	3.055	8	10	860.1-0950-076A1-MM	☆		10.00	.394	139	5.472	137.4	5.409	98	3.858	1.6	.063	140°	20	0.086	COROMANT
9.53	.375	30.1	1.185	3	10	860.1-0953-029A1-MM	☆		10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.069	DIN 6537 K
9.53	.375	48.6	1.913	5	10	860.1-0953-048A1-MM	☆		10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.074	DIN 6537 L
9.53	.375	77.8	3.063	8	10	860.1-0953-076A1-MM	☆		10.00	.394	139	5.472	137.4	5.409	98	3.858	1.6	.063	140°	20	0.086	COROMANT
9.55	.376	30.2	1.189	3	10	860.1-0955-029A1-MM	☆		10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.069	DIN 6537 K
9.55	.376	48.6	1.913	5	10	860.1-0955-048A1-MM	☆		10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.074	DIN 6537 L
9.55	.376	78.0	3.071	8	10	860.1-0955-076A1-MM	☆		10.00	.394	139	5.472	137.4	5.409	98	3.858	1.6	.063	140°	20	0.086	COROMANT
9.60	.378	30.4	1.197	3	10	860.1-0960-029A1-MM	☆		10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.069	DIN 6537 K
9.60	.378	48.5	1.909	5	10	860.1-0960-048A1-MM	☆		10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.074	DIN 6537 L
9.60	.378	78.4	3.087	8	10	860.1-0960-077A1-MM	☆		10.00	.394	139	5.472	137.4	5.409	98	3.858	1.6	.063	140°	20	0.087	COROMANT
9.70	.382	30.7	1.209	3	10	860.1-0970-029A1-MM	☆		10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.070	DIN 6537 K
9.70	.382	48.4	1.906	4	10	860.1-0970-049A1-MM	☆		10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.075	DIN 6537 L
9.70	.382	79.2	3.118	8	10	860.1-0970-078A1-MM	☆		10.00	.394	139	5.472	137.4	5.409	98	3.858	1.6	.063	140°	20	0.088	COROMANT
9.80	.386	31.0	1.220	3	10	860.1-0980-029A1-MM	☆		10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.070	DIN 6537 K
9.80	.386	48.3	1.902	4	10	860.1-0980-049A1-MM	☆		10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.076	DIN 6537 L
9.80	.386	80.0	3.150	8	10	860.1-0980-078A1-MM	☆		10.00	.394	139	5.472	137.4	5.409	98	3.858	1.6	.063	140°	20	0.089	COROMANT
9.90	.390	31.3	1.232	3	10	860.1-0990-030A1-MM	☆		10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.071	DIN 6537 K
9.90	.390	48.1	1.894	4	10	860.1-0990-050A1-MM	☆		10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.076	DIN 6537 L
9.90	.390	80.8	3.181	8	10	860.1-0990-079A1-MM	☆		10.00	.394	139	5.472	137.4	5.409	98	3.858	1.6	.063	140°	20	0.091	COROMANT
9.92	.391	31.4	1.236	3	10	860.1-0992-030A1-MM	☆		10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.071	DIN 6537 K
9.92	.391	48.1	1.894	4	10	860.1-0992-050A1-MM	☆		10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.076	DIN 6537 L
9.92	.391	81.0	3.189	8	10	860.1-0992-079A1-MM	☆		10.00	.394	139	5.472	137.4	5.409	98	3.858	1.6	.063	140°	20	0.091	COROMANT
10.00	.394	31.6	1.244	3	10	860.1-1000-030A1-MM	☆		10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.071	DIN 6537 K
10.00	.394	48.0	1.890	4	10	860.1-1000-050A1-MM	☆		10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.077	DIN 6537 L
10.00	.394	81.6	3.213	8	10	860.1-1000-080A1-MM	☆		10.00	.394	139	5.472	137.4	5.409	98	3.858	1.6	.063	140°	20	0.092	COROMANT
10.10	.398	32.0	1.260	3	12	860.1-1010-030A1-MM	☆		12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.095	DIN 6537 K
10.10	.398	52.2	2.055	5	12	860.1-1010-051A1-MM	☆		12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.098	DIN 6537 L
10.10	.398	82.5	3.248	8	12	860.1-1010-081A1-MM	☆		12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	140°	20	0.108	COROMANT

O5 Q5 K208 K252 Q1 Q35

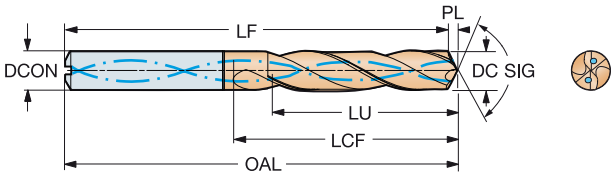
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M 2214	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
10.20	.402	32.3	1.272	3	12	860.1-1020-031A1-MM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.096	DIN 6537 K
10.20	.402	52.7	2.075	5	12	860.1-1020-051A1-MM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.099	DIN 6537 L
10.20	.402	83.3	3.280	8	12	860.1-1020-082A1-MM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	140°	20	0.109	COROMANT
10.30	.406	32.6	1.283	3	12	860.1-1030-031A1-MM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.096	DIN 6537 K
10.30	.406	53.2	2.094	5	12	860.1-1030-052A1-MM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.100	DIN 6537 L
10.30	.406	84.1	3.311	8	12	860.1-1030-082A1-MM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	140°	20	0.111	COROMANT
10.32	.406	32.6	1.283	3	12	860.1-1032-031A1-MM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.096	DIN 6537 K
10.32	.406	53.3	2.098	5	12	860.1-1032-052A1-MM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.100	DIN 6537 L
10.32	.406	84.2	3.315	8	12	860.1-1032-083A1-MM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	140°	20	0.111	COROMANT
10.40	.409	32.9	1.295	3	12	860.1-1040-031A1-MM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.097	DIN 6537 K
10.40	.409	53.7	2.114	5	12	860.1-1040-052A1-MM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.101	DIN 6537 L
10.40	.409	84.9	3.343	8	12	860.1-1040-083A1-MM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	140°	20	0.112	COROMANT
10.45	.411	33.1	1.303	3	12	860.1-1045-031A1-MM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.097	DIN 6537 K
10.45	.411	54.0	2.126	5	12	860.1-1045-052A1-MM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.102	DIN 6537 L
10.45	.411	85.3	3.358	8	12	860.1-1045-084A1-MM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	140°	20	0.113	COROMANT
10.50	.413	33.2	1.307	3	12	860.1-1050-032A1-MM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.098	DIN 6537 K
10.50	.413	54.2	2.134	5	12	860.1-1050-053A1-MM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.102	DIN 6537 L
10.50	.413	85.7	3.374	8	12	860.1-1050-084A1-MM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	140°	20	0.114	COROMANT
10.60	.417	33.5	1.319	3	12	860.1-1060-032A1-MM	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.098	DIN 6537 K
10.60	.417	54.7	2.154	5	12	860.1-1060-053A1-MM	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.103	DIN 6537 L
10.60	.417	86.5	3.406	8	12	860.1-1060-085A1-MM	☆	12.00	.472	163	6.417	161.3	6.350	114	4.488	1.7	.067	140°	20	0.115	COROMANT
10.70	.421	33.9	1.335	3	12	860.1-1070-032A1-MM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.099	DIN 6537 K
10.70	.421	55.3	2.177	5	12	860.1-1070-054A1-MM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.104	DIN 6537 L
10.70	.421	87.4	3.441	8	12	860.1-1070-086A1-MM	☆	12.00	.472	163	6.417	161.2	6.346	114	4.488	1.8	.071	140°	20	0.117	COROMANT
10.72	.422	33.9	1.335	3	12	860.1-1072-032A1-MM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.099	DIN 6537 K
10.72	.422	55.3	2.177	5	12	860.1-1072-054A1-MM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.104	DIN 6537 L
10.72	.422	87.5	3.445	8	12	860.1-1072-086A1-MM	☆	12.00	.472	163	6.417	161.2	6.346	114	4.488	1.8	.071	140°	20	0.117	COROMANT
10.80	.425	34.2	1.346	3	12	860.1-1080-032A1-MM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.100	DIN 6537 K
10.80	.425	55.8	2.197	5	12	860.1-1080-054A1-MM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.105	DIN 6537 L
10.80	.425	88.2	3.472	8	12	860.1-1080-086A1-MM	☆	12.00	.472	163	6.417	161.2	6.346	114	4.488	1.8	.071	140°	20	0.118	COROMANT
10.90	.429	34.5	1.358	3	12	860.1-1090-033A1-MM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.100	DIN 6537 K
10.90	.429	56.3	2.217	5	12	860.1-1090-055A1-MM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.106	DIN 6537 L
10.90	.429	89.0	3.504	8	12	860.1-1090-087A1-MM	☆	12.00	.472	163	6.417	161.2	6.346	114	4.488	1.8	.071	140°	20	0.120	COROMANT
11.00	.433	34.8	1.370	3	12	860.1-1100-033A1-MM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.101	DIN 6537 K
11.00	.433	56.8	2.236	5	12	860.1-1100-055A1-MM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.107	DIN 6537 L
11.00	.433	89.8	3.535	8	12	860.1-1100-088A1-MM	☆	12.00	.472	163	6.417	161.2	6.346	114	4.488	1.8	.071	140°	20	0.121	COROMANT
11.10	.437	35.1	1.382	3	12	860.1-1110-033A1-MM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.102	DIN 6537 K
11.10	.437	57.3	2.256	5	12	860.1-1110-056A1-MM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.108	DIN 6537 L
11.10	.437	90.6	3.567	8	12	860.1-1110-089A1-MM	☆	12.00	.472	163	6.417	161.2	6.346	114	4.488	1.8	.071	140°	20	0.123	COROMANT
11.11	.437	35.2	1.386	3	12	860.1-1111-033A1-MM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.102	DIN 6537 K
11.11	.437	57.4	2.260	5	12	860.1-1111-056A1-MM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.108	DIN 6537 L
11.11	.437	90.7	3.571	8	12	860.1-1111-089A1-MM	☆	12.00	.472	163	6.417	161.2	6.346	114	4.488	1.8	.071	140°	20	0.123	COROMANT
11.20	.441	35.4	1.394	3	12	860.1-1120-034A1-MM	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.103	DIN 6537 K
11.20	.441	57.6	2.268	5	12	860.1-1120-056A1-MM	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.109	DIN 6537 L
11.20	.441	91.4	3.598	8	12	860.1-1120-090A1-MM	☆	12.00	.472	163	6.417	161.2	6.346	114	4.488	1.8	.071	140°	20	0.125	COROMANT
11.30	.445	35.8	1.409	3	12	860.1-1130-034A1-MM	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.103	DIN 6537 K
11.30	.445	57.4	2.260	5	12	860.1-1130-057A1-MM	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.110	DIN 6537 L
11.30	.445	92.3	3.634	8	12	860.1-1130-090A1-MM	☆	12.00	.472	163	6.417	161.1	6.343	114	4.488	1.9	.075	140°	20	0.126	COROMANT

Dimensions, mm, inch

O5 Q5 K208 K252 Q1 Q35

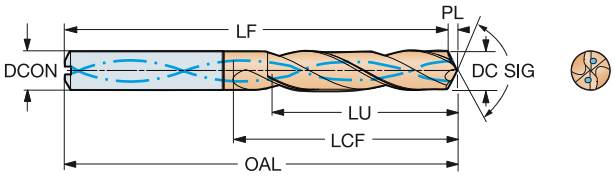
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M	2214	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
11.40	.449	36.1	1.421	3	12	860.1-1140-034A1-MM	☆		12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.104	DIN 6537 K
11.40	.449	57.3	2.256	5	12	860.1-1140-057A1-MM	☆		12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.111	DIN 6537 L
11.40	.449	93.1	3.665	8	12	860.1-1140-091A1-MM	☆		12.00	.472	163	6.417	161.1	6.343	114	4.488	1.9	.075	140°	20	0.128	COROMANT
11.50	.453	36.4	1.433	3	12	860.1-1150-035A1-MM	☆		12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.105	DIN 6537 K
11.50	.453	57.2	2.252	4	12	860.1-1150-058A1-MM	☆		12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.111	DIN 6537 L
11.50	.453	93.9	3.697	8	12	860.1-1150-092A1-MM	☆		12.00	.472	163	6.417	161.1	6.343	114	4.488	1.9	.075	140°	20	0.129	COROMANT
11.51	.453	36.4	1.433	3	12	860.1-1151-035A1-MM	☆		12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.105	DIN 6537 K
11.51	.453	57.2	2.252	4	12	860.1-1151-058A1-MM	☆		12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.112	DIN 6537 L
11.51	.453	94.0	3.701	8	12	860.1-1151-092A1-MM	☆		12.00	.472	163	6.417	161.1	6.343	114	4.488	1.9	.075	140°	20	0.130	COROMANT
11.60	.457	36.7	1.445	3	12	860.1-1160-035A1-MM	☆		12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.106	DIN 6537 K
11.60	.457	57.1	2.248	4	12	860.1-1160-058A1-MM	☆		12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.112	DIN 6537 L
11.60	.457	94.7	3.728	8	12	860.1-1160-093A1-MM	☆		12.00	.472	163	6.417	161.1	6.343	114	4.488	1.9	.075	140°	20	0.131	COROMANT
11.70	.461	37.0	1.457	3	12	860.1-1170-035A1-MM	☆		12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.106	DIN 6537 K
11.70	.461	57.0	2.244	4	12	860.1-1170-059A1-MM	☆		12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.113	DIN 6537 L
11.70	.461	95.5	3.760	8	12	860.1-1170-094A1-MM	☆		12.00	.472	163	6.417	161.1	6.343	114	4.488	1.9	.075	140°	20	0.133	COROMANT
11.80	.465	37.3	1.469	3	12	860.1-1180-035A1-MM	☆		12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.107	DIN 6537 K
11.80	.465	56.8	2.236	4	12	860.1-1180-059A1-MM	☆		12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.114	DIN 6537 L
11.80	.465	96.3	3.791	8	12	860.1-1180-094A1-MM	☆		12.00	.472	163	6.417	161.1	6.343	114	4.488	1.9	.075	140°	20	0.134	COROMANT
11.91	.469	37.7	1.484	3	12	860.1-1191-036A1-MM	☆		12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.108	DIN 6537 K
11.91	.469	56.7	2.232	4	12	860.1-1191-060A1-MM	☆		12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.115	DIN 6537 L
11.91	.469	97.2	3.827	8	12	860.1-1191-095A1-MM	☆		12.00	.472	163	6.417	161.0	6.339	114	4.488	2.0	.079	140°	20	0.136	COROMANT
12.00	.472	38.0	1.496	3	12	860.1-1200-036A1-MM	☆		12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.108	DIN 6537 K
12.00	.472	56.6	2.228	4	12	860.1-1200-060A1-MM	☆		12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.116	DIN 6537 L
12.00	.472	98.0	3.858	8	12	860.1-1200-096A1-MM	☆		12.00	.472	163	6.417	161.0	6.339	114	4.488	2.0	.079	140°	20	0.138	COROMANT
12.10	.476	38.3	1.508	3	14	860.1-1210-036A1-MM	☆		14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	20	0.147	DIN 6537 K
12.10	.476	62.5	2.461	5	14	860.1-1210-061A1-MM	☆		14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	20	0.155	DIN 6537 L
12.10	.476	98.8	3.890	8	14	860.1-1210-097A1-MM	☆		14.00	.551	170	6.693	168.0	6.614	123	4.843	2.0	.079	140°	20	0.177	COROMANT
12.20	.480	38.6	1.520	3	14	860.1-1220-037A1-MM	☆		14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	20	0.148	DIN 6537 K
12.20	.480	62.4	2.457	5	14	860.1-1220-061A1-MM	☆		14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	20	0.157	DIN 6537 L
12.20	.480	99.6	3.921	8	14	860.1-1220-098A1-MM	☆		14.00	.551	170	6.693	168.0	6.614	123	4.843	2.0	.079	140°	20	0.179	COROMANT
12.30	.484	38.9	1.532	3	14	860.1-1230-037A1-MM	☆		14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	20	0.149	DIN 6537 K
12.30	.484	62.2	2.449	5	14	860.1-1230-062A1-MM	☆		14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	20	0.158	DIN 6537 L
12.30	.484	100.4	3.953	8	14	860.1-1230-098A1-MM	☆		14.00	.551	170	6.693	168.0	6.614	123	4.843	2.0	.079	140°	20	0.181	COROMANT
12.40	.488	39.2	1.543	3	14	860.1-1240-037A1-MM	☆		14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	20	0.150	DIN 6537 K
12.40	.488	62.1	2.445	5	14	860.1-1240-062A1-MM	☆		14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	20	0.159	DIN 6537 L
12.40	.488	101.2	3.984	8	14	860.1-1240-099A1-MM	☆		14.00	.551	170	6.693	168.0	6.614	123	4.843	2.0	.079	140°	20	0.183	COROMANT
12.50	.492	39.5	1.555	3	14	860.1-1250-038A1-MM	☆		14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	20	0.151	DIN 6537 K
12.50	.492	62.0	2.441	4	14	860.1-1250-063A1-MM	☆		14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	20	0.160	DIN 6537 L
12.50	.492	102.0	4.016	8	14	860.1-1250-100A1-MM	☆		14.00	.551	170	6.693	168.0	6.614	123	4.843	2.0	.079	140°	20	0.185	COROMANT
12.60	.496	39.9	1.571	3	14	860.1-1260-038A1-MM	☆		14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.152	DIN 6537 K
12.60	.496	61.9	2.437	4	14	860.1-1260-063A1-MM	☆		14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.161	DIN 6537 L
12.60	.496	102.9	4.051	8	14	860.1-1260-101A1-MM	☆		14.00	.551	170	6.693	167.9	6.610	123	4.843	2.1	.083	140°	20	0.186	COROMANT
12.70	.500	40.2	1.583	3	14	860.1-1270-038A1-MM	☆		14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.153	DIN 6537 K
12.70	.500	61.8	2.433	4	14	860.1-1270-064A1-MM	☆		14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.162	DIN 6537 L
12.70	.500	103.7	4.083	8	14	860.1-1270-102A1-MM	☆		14.00	.551	170	6.693	167.9	6.610	123	4.843	2.1	.083	140°	20	0.188	COROMANT
12.80	.504	40.5	1.594	3	14	860.1-1280-038A1-MM	☆		14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.154	DIN 6537 K
12.80	.504	61.6	2.425	4	14	860.1-1280-064A1-MM	☆		14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.164	DIN 6537 L
12.80	.504	104.5	4.114	8	14	860.1-1280-102A1-MM	☆		14.00	.551	170	6.693	167.9	6.610	123	4.843	2.1	.083	140°	20	0.190	COROMANT

O5 Q5 K208 K252 Q1 Q35

SANDVIK Coromant

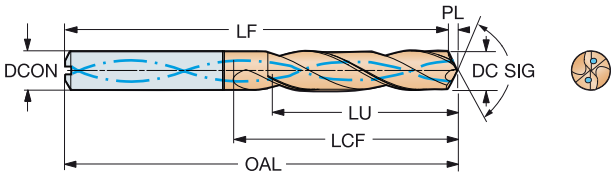
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



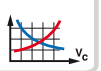
TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M 2214	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
								Dimensions, mm, inch													
13.00	.512	41.1	1.618	3	14	860.1-1300-039A1-MM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.156	DIN 6537 K
13.00	.512	61.4	2.417	4	14	860.1-1300-065A1-MM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.166	DIN 6537 L
13.00	.512	106.1	4.177	8	14	860.1-1300-104A1-MM	☆	14.00	.551	170	6.693	167.9	6.610	123	4.843	2.1	.083	140°	20	0.194	COROMANT
13.10	.516	41.4	1.630	3	14	860.1-1310-039A1-MM	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.156	DIN 6537 K
13.10	.516	61.3	2.413	4	14	860.1-1310-066A1-MM	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.167	DIN 6537 L
13.10	.516	106.9	4.209	8	14	860.1-1310-105A1-MM	☆	14.00	.551	170	6.693	167.9	6.610	123	4.843	2.1	.083	140°	20	0.196	COROMANT
13.25	.522	41.9	1.650	3	14	860.1-1325-040A1-MM	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.158	DIN 6537 K
13.25	.522	61.1	2.406	4	14	860.1-1325-066A1-MM	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	20	0.169	DIN 6537 L
13.25	.522	107.1	4.217	8	14	860.1-1325-106A1-MM	☆	14.00	.551	170	6.693	167.8	6.606	123	4.843	2.2	.087	140°	20	0.200	COROMANT
13.50	.531	42.7	1.681	3	14	860.1-1350-041A1-MM	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.160	DIN 6537 K
13.50	.531	60.8	2.394	4	14	860.1-1350-061A1-MM	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	20	0.172	DIN 6537 L
13.50	.531	106.8	4.205	7	14	860.1-1350-108A1-MM	☆	14.00	.551	170	6.693	167.8	6.606	123	4.843	2.2	.087	140°	20	0.205	COROMANT
13.75	.541	43.5	1.713	3	14	860.1-1375-041A1-MM	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.162	DIN 6537 K
13.75	.541	60.5	2.382	4	14	860.1-1375-062A1-MM	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.175	DIN 6537 L
13.75	.541	106.5	4.193	7	14	860.1-1375-110A1-MM	☆	14.00	.551	170	6.693	167.7	6.602	123	4.843	2.3	.091	140°	20	0.210	COROMANT
13.80	.543	43.4	1.709	3	14	860.1-1380-041A1-MM	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.163	DIN 6537 K
13.80	.543	60.4	2.378	4	14	860.1-1380-062A1-MM	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.176	DIN 6537 L
13.80	.543	106.4	4.189	7	14	860.1-1380-110A1-MM	☆	14.00	.551	170	6.693	167.7	6.602	123	4.843	2.3	.091	140°	20	0.211	COROMANT
13.89	.547	43.3	1.705	3	14	860.1-1389-042A1-MM	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.164	DIN 6537 K
13.89	.547	60.3	2.374	4	14	860.1-1389-063A1-MM	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.177	DIN 6537 L
13.89	.547	106.3	4.185	7	14	860.1-1389-111A1-MM	☆	14.00	.551	170	6.693	167.7	6.602	123	4.843	2.3	.091	140°	20	0.213	COROMANT
14.00	.551	44.3	1.744	3	14	860.1-1400-042A1-MM	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.165	DIN 6537 K
14.00	.551	63.0	2.480	4	14	860.1-1400-063A1-MM	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.178	DIN 6537 L
14.00	.551	109.0	4.291	7	14	860.1-1400-112A1-MM	☆	14.00	.551	170	6.693	167.7	6.602	123	4.843	2.3	.091	140°	20	0.215	COROMANT
14.25	.561	45.1	1.776	3	16	860.1-1425-043A1-MM	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	140°	20	0.216	DIN 6537 K
14.25	.561	68.8	2.709	4	16	860.1-1425-071A1-MM	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	140°	20	0.229	DIN 6537 L
14.25	.561	116.3	4.579	8	16	860.1-1425-114A1-MM	☆	16.00	.630	182	7.165	179.7	7.075	133	5.236	2.3	.091	140°	20	0.265	COROMANT
14.29	.563	45.2	1.780	3	16	860.1-1429-043A1-MM	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	140°	20	0.216	DIN 6537 K
14.29	.563	68.7	2.705	4	16	860.1-1429-072A1-MM	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	140°	20	0.230	DIN 6537 L
14.29	.563	116.6	4.591	8	16	860.1-1429-114A1-MM	☆	16.00	.630	182	7.165	179.7	7.075	133	5.236	2.3	.091	140°	20	0.266	COROMANT
14.50	.571	45.9	1.807	3	16	860.1-1450-044A1-MM	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.219	DIN 6537 K
14.50	.571	68.5	2.697	4	16	860.1-1450-073A1-MM	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.233	DIN 6537 L
14.50	.571	118.4	4.661	8	16	860.1-1450-116A1-MM	☆	16.00	.630	182	7.165	179.6	7.071	133	5.236	2.4	.094	140°	20	0.271	COROMANT
14.68	.578	46.5	1.831	3	16	860.1-1468-044A1-MM	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.221	DIN 6537 K
14.68	.578	68.3	2.689	4	16	860.1-1468-073A1-MM	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.235	DIN 6537 L
14.68	.578	118.3	4.657	8	16	860.1-1468-117A1-MM	☆	16.00	.630	182	7.165	179.6	7.071	133	5.236	2.4	.094	140°	20	0.276	COROMANT
14.75	.581	46.7	1.839	3	16	860.1-1475-044A1-MM	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.221	DIN 6537 K
14.75	.581	68.3	2.689	4	16	860.1-1475-066A1-MM	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.236	DIN 6537 L
14.75	.581	118.3	4.657	8	16	860.1-1475-118A1-MM	☆	16.00	.630	182	7.165	179.6	7.071	133	5.236	2.4	.094	140°	20	0.278	COROMANT
14.80	.583	46.8	1.843	3	16	860.1-1480-044A1-MM	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.222	DIN 6537 K
14.80	.583	68.2	2.685	4	16	860.1-1480-067A1-MM	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.237	DIN 6537 L
14.80	.583	118.2	4.654	7	16	860.1-1480-118A1-MM	☆	16.00	.630	182	7.165	179.6	7.071	133	5.236	2.4	.094	140°	20	0.279	COROMANT
15.00	.591	47.5	1.870	3	16	860.1-1500-045A1-MM	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.224	DIN 6537 K
15.00	.591	68.0	2.677	4	16	860.1-1500-068A1-MM	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.240	DIN 6537 L
15.00	.591	118.0	4.646	7	16	860.1-1500-120A1-MM	☆	16.00	.630	182	7.165	179.5	7.067	133	5.236	2.5	.098	140°	20	0.284	COROMANT
15.50	.610	49.0	1.929	3	16	860.1-1550-047A1-MM	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.230	DIN 6537 K
15.50	.610	67.5	2.657	4	16	860.1-1550-070A1-MM	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.248	DIN 6537 L
15.50	.610	117.5	4.626	7	16	860.1-1550-124A1-MM	☆	16.00	.630	182	7.165	179.5	7.067	133	5.236	2.5	.098	140°	20	0.296	COROMANT


O5


Q5


K208


K252


Q1


Q35

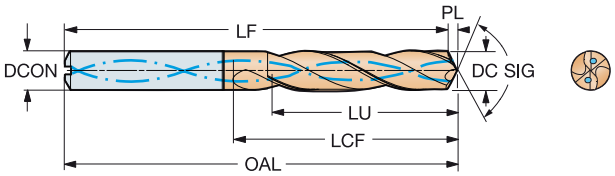
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M 2214	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
15.80	.622	49.2	1.937	3	16	**860.1-1580-047A1-MM**	☆	16.00	.630	115	4.528	112.4	4.425	65	2.559	2.6	.102	140°	20	0.233	DIN 6537 K
15.80	.622	67.2	2.646	4	16	**860.1-1580-071A1-MM**	☆	16.00	.630	133	5.236	130.4	5.134	83	3.268	2.6	.102	140°	20	0.252	DIN 6537 L
15.80	.622	117.2	4.614	7	16	**860.1-1580-126A1-MM**	☆	16.00	.630	182	7.165	179.4	7.063	133	5.236	2.6	.102	140°	20	0.304	COROMANT
15.88	.625	49.1	1.933	3	16	**860.1-1588-048A1-MM**	☆	16.00	.630	115	4.528	112.4	4.425	65	2.559	2.6	.102	140°	20	0.234	DIN 6537 K
15.88	.625	67.1	2.642	4	16	**860.1-1588-071A1-MM**	☆	16.00	.630	133	5.236	130.4	5.134	83	3.268	2.6	.102	140°	20	0.253	DIN 6537 L
15.88	.625	117.1	4.610	7	16	**860.1-1588-127A1-MM**	☆	16.00	.630	182	7.165	179.4	7.063	133	5.236	2.6	.102	140°	20	0.306	COROMANT
16.00	.630	49.0	1.929	3	16	**860.1-1600-048A1-MM**	☆	16.00	.630	115	4.528	112.4	4.425	65	2.559	2.6	.102	140°	20	0.236	DIN 6537 K
16.00	.630	67.0	2.638	4	16	**860.1-1600-072A1-MM**	☆	16.00	.630	133	5.236	130.4	5.134	83	3.268	2.6	.102	140°	20	0.255	DIN 6537 L
16.00	.630	117.0	4.606	7	16	**860.1-1600-128A1-MM**	☆	16.00	.630	182	7.165	179.4	7.063	133	5.236	2.6	.102	140°	20	0.309	COROMANT

O5 Q5 K208 K252 Q1 Q35

SANDVIK Coromant

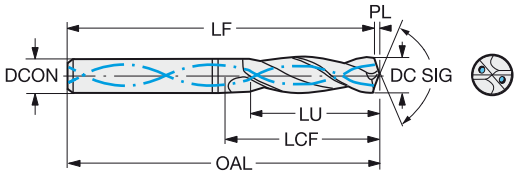
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	N	H10F	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.00	.118	9.4	.370	3	6	860.1-0300-009A1-NM	☆		6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	130°	20	0.017	DIN 6537 K
3.00	.118	24.4	.961	8	6	860.1-0300-024A1-NM	☆		6.00	.236	77	3.032	76.6	3.016	36	1.417	0.4	.016	130°	20	0.017	COROMANT
3.18	.125	10.0	.394	3	6	860.1-0318-010A1-NM	☆		6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	130°	20	0.019	DIN 6537 K
3.18	.125	25.8	1.016	8	6	860.1-0318-025A1-NM	☆		6.00	.236	77	3.032	76.6	3.016	36	1.417	0.4	.016	130°	20	0.018	COROMANT
3.20	.126	10.0	.394	3	6	860.1-0320-010A1-NM	☆		6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	130°	20	0.019	DIN 6537 K
3.20	.126	26.0	1.024	8	6	860.1-0320-026A1-NM	☆		6.00	.236	77	3.032	76.6	3.016	36	1.417	0.4	.016	130°	20	0.018	COROMANT
3.30	.130	10.3	.406	3	6	860.1-0330-010A1-NM	☆		6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	130°	20	0.020	DIN 6537 K
3.30	.130	26.8	1.055	8	6	860.1-0330-026A1-NM	☆		6.00	.236	77	3.032	76.6	3.016	36	1.417	0.4	.016	130°	20	0.018	COROMANT
3.50	.138	11.0	.433	3	6	860.1-0350-011A1-NM	☆		6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	130°	20	0.019	DIN 6537 K
3.50	.138	28.3	1.114	8	6	860.1-0350-028A1-NM	☆		6.00	.236	77	3.032	76.5	3.012	36	1.417	0.5	.020	130°	20	0.018	COROMANT
3.57	.141	11.2	.441	3	6	860.1-0357-011A1-NM	☆		6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	130°	20	0.020	DIN 6537 K
3.57	.141	28.1	1.106	7	6	860.1-0357-029A1-NM	☆		6.00	.236	77	3.032	76.5	3.012	36	1.417	0.5	.020	130°	20	0.018	COROMANT
3.70	.146	11.6	.457	3	6	860.1-0370-011A1-NM	☆		6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	130°	20	0.020	DIN 6537 K
3.70	.146	27.9	1.098	7	6	860.1-0370-030A1-NM	☆		6.00	.236	77	3.032	76.5	3.012	36	1.417	0.5	.020	130°	20	0.019	COROMANT
3.80	.150	11.9	.469	3	6	860.1-0380-011A1-NM	☆		6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	130°	20	0.020	DIN 6537 K
3.80	.150	30.9	1.217	8	6	860.1-0380-030A1-NM	☆		6.00	.236	86	3.386	85.5	3.366	47	1.850	0.5	.020	130°	20	0.019	COROMANT
3.90	.154	12.2	.480	3	6	860.1-0390-012A1-NM	☆		6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	130°	20	0.021	DIN 6537 K
3.90	.154	31.7	1.248	8	6	860.1-0390-031A1-NM	☆		6.00	.236	86	3.386	85.5	3.366	47	1.850	0.5	.020	130°	20	0.019	COROMANT
3.97	.156	12.4	.488	3	6	860.1-0397-012A1-NM	☆		6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	130°	20	0.021	DIN 6537 K
3.97	.156	32.3	1.272	8	6	860.1-0397-032A1-NM	☆		6.00	.236	86	3.386	85.5	3.366	47	1.850	0.5	.020	130°	20	0.019	COROMANT
4.00	.157	12.5	.492	3	6	860.1-0400-012A1-NM	☆		6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	130°	20	0.021	DIN 6537 K
4.00	.157	32.5	1.280	8	6	860.1-0400-032A1-NM	☆		6.00	.236	86	3.386	85.5	3.366	47	1.850	0.5	.020	130°	20	0.022	COROMANT
4.10	.161	12.8	.504	3	6	860.1-0410-012A1-NM	☆		6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	130°	20	0.021	DIN 6537 K
4.10	.161	33.3	1.311	8	6	860.1-0410-033A1-NM	☆		6.00	.236	86	3.386	85.5	3.366	47	1.850	0.5	.020	130°	20	0.025	COROMANT
4.20	.165	13.2	.520	3	6	860.1-0420-013A1-NM	☆		6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	130°	20	0.021	DIN 6537 K
4.20	.165	34.2	1.346	8	6	860.1-0420-034A1-NM	☆		6.00	.236	86	3.386	85.4	3.362	47	1.850	0.6	.024	130°	20	0.022	COROMANT
4.37	.172	13.7	.539	3	6	860.1-0437-013A1-NM	☆		6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	130°	20	0.021	DIN 6537 K
4.37	.172	35.5	1.398	8	6	860.1-0437-035A1-NM	☆		6.00	.236	86	3.386	85.4	3.362	47	1.850	0.6	.024	130°	20	0.022	COROMANT
4.50	.177	14.1	.555	3	6	860.1-0450-014A1-NM	☆		6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	130°	20	0.021	DIN 6537 K
4.50	.177	36.6	1.441	8	6	860.1-0450-036A1-NM	☆		6.00	.236	86	3.386	85.4	3.362	47	1.850	0.6	.024	130°	20	0.022	COROMANT
4.60	.181	14.4	.567	3	6	860.1-0460-014A1-NM	☆		6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	130°	20	0.021	DIN 6537 K
4.60	.181	37.4	1.472	8	6	860.1-0460-037A1-NM	☆		6.00	.236	86	3.386	85.4	3.362	47	1.850	0.6	.024	130°	20	0.025	COROMANT
4.76	.187	14.9	.587	3	6	860.1-0476-014A1-NM	☆		6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	130°	20	0.022	DIN 6537 K
4.76	.187	38.7	1.524	8	6	860.1-0476-038A1-NM	☆		6.00	.236	99	3.898	98.4	3.874	60	2.362	0.6	.024	130°	20	0.025	COROMANT
5.00	.197	15.7	.618	3	6	860.1-0500-015A1-NM	☆		6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	130°	20	0.022	DIN 6537 K
5.00	.197	40.7	1.602	8	6	860.1-0500-040A1-NM	☆		6.00	.236	99	3.898	98.3	3.870	60	2.362	0.7	.028	130°	20	0.025	COROMANT
5.10	.201	16.0	.630	3	6	860.1-0510-015A1-NM	☆		6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	130°	20	0.022	DIN 6537 K
5.10	.201	41.5	1.634	8	6	860.1-0510-041A1-NM	☆		6.00	.236	99	3.898	98.3	3.870	60	2.362	0.7	.028	130°	20	0.025	COROMANT
5.16	.203	16.2	.638	3	6	860.1-0516-015A1-NM	☆		6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	130°	20	0.022	DIN 6537 K
5.16	.203	42.0	1.654	8	6	860.1-0516-041A1-NM	☆		6.00	.236	99	3.898	98.3	3.870	60	2.362	0.7	.028	130°	20	0.027	COROMANT
5.20	.205	16.3	.642	3	6	860.1-0520-016A1-NM	☆		6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	130°	20	0.023	DIN 6537 K
5.20	.205	42.3	1.665	8	6	860.1-0520-042A1-NM	☆		6.00	.236	99	3.898	98.3	3.870	60	2.362	0.7	.028	130°	20	0.027	COROMANT
5.50	.217	17.2	.677	3	6	860.1-0550-017A1-NM	☆		6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	130°	20	0.023	DIN 6537 K
5.50	.217	44.7	1.760	8	6	860.1-0550-044A1-NM	☆		6.00	.236	99	3.898	98.3	3.870	60	2.362	0.7	.028	130°	20	0.027	COROMANT
5.56	.219	17.4	.685	3	6	860.1-0556-017A1-NM	☆		6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	130°	20	0.023	DIN 6537 K
5.56	.219	45.2	1.780	8	6	860.1-0556-044A1-NM	☆		6.00	.236	99	3.898	98.3	3.870	60	2.362	0.7	.028	130°	20	0.028	COROMANT
5.80	.228	17.6	.693	3	6	860.1-0580-017A1-NM	☆		6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	130°	20	0.023	DIN 6537 K
5.80	.228	47.2	1.858	8	6	860.1-0580-046A1-NM	☆		6.00	.236	99	3.898	98.2	3.866	60	2.362	0.8	.031	130°	20	0.029	COROMANT


O5


Q5


K208


K252


Q1


Q35

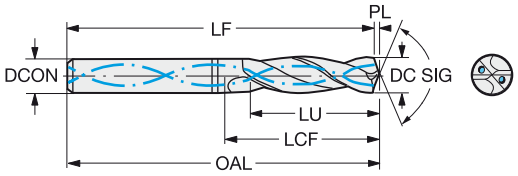
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	N / H10F	Dimensions, mm, inch: DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
6.00	.236	18.8	.740	3	6	860.1-0600-018A1-NM	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	130°	20	0.024	DIN 6537 K
6.00	.236	48.8	1.921	8	6	860.1-0600-048A1-NM	☆	6.00	.236	99	3.898	98.2	3.866	60	2.362	0.8	.031	130°	20	0.029	COROMANT
6.30	.248	19.7	.776	3	8	860.1-0630-019A1-NM	☆	8.00	.315	79	3.110	78.2	3.079	34	1.339	0.8	.031	130°	20	0.025	DIN 6537 K
6.30	.248	51.2	2.016	8	8	860.1-0630-050A1-NM	☆	8.00	.315	121	4.764	120.2	4.732	80	3.150	0.8	.031	130°	20	0.031	COROMANT
6.35	.250	19.9	.783	3	8	860.1-0635-019A1-NM	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	130°	20	0.040	DIN 6537 K
6.35	.250	51.7	2.035	8	8	860.1-0635-051A1-NM	☆	8.00	.315	121	4.764	120.1	4.728	80	3.150	0.9	.035	130°	20	0.032	COROMANT
6.50	.256	20.4	.803	3	8	860.1-0650-020A1-NM	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	130°	20	0.040	DIN 6537 K
6.50	.256	52.9	2.083	8	8	860.1-0650-052A1-NM	☆	8.00	.315	121	4.764	120.1	4.728	80	3.150	0.9	.035	130°	20	0.048	COROMANT
6.60	.260	20.7	.815	3	8	860.1-0660-020A1-NM	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	130°	20	0.041	DIN 6537 K
6.60	.260	53.7	2.114	8	8	860.1-0660-053A1-NM	☆	8.00	.315	121	4.764	120.1	4.728	80	3.150	0.9	.035	130°	20	0.048	COROMANT
6.75	.266	21.1	.831	3	8	860.1-0675-020A1-NM	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	130°	20	0.041	DIN 6537 K
6.75	.266	54.9	2.161	8	8	860.1-0675-054A1-NM	☆	8.00	.315	121	4.764	120.1	4.728	80	3.150	0.9	.035	130°	20	0.049	COROMANT
6.80	.268	21.3	.839	3	8	860.1-0680-020A1-NM	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	130°	20	0.042	DIN 6537 K
6.80	.268	55.3	2.177	8	8	860.1-0680-054A1-NM	☆	8.00	.315	121	4.764	120.1	4.728	80	3.150	0.9	.035	130°	20	0.050	COROMANT
6.90	.272	21.6	.850	3	8	860.1-0690-021A1-NM	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	130°	20	0.043	DIN 6537 K
6.90	.272	56.1	2.209	8	8	860.1-0690-055A1-NM	☆	8.00	.315	121	4.764	120.1	4.728	80	3.150	0.9	.035	130°	20	0.051	COROMANT
7.00	.276	21.9	.862	3	8	860.1-0700-021A1-NM	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	130°	20	0.043	DIN 6537 K
7.00	.276	56.9	2.240	8	8	860.1-0700-056A1-NM	☆	8.00	.315	121	4.764	120.1	4.728	80	3.150	0.9	.035	130°	20	0.051	COROMANT
7.14	.281	22.4	.882	3	8	860.1-0714-021A1-NM	☆	8.00	.315	79	3.110	78.0	3.071	41	1.614	1.0	.039	130°	20	0.043	DIN 6537 K
7.14	.281	58.1	2.287	8	8	860.1-0714-057A1-NM	☆	8.00	.315	121	4.764	120.0	4.724	80	3.150	1.0	.039	130°	20	0.052	COROMANT
7.30	.287	22.9	.902	3	8	860.1-0730-022A1-NM	☆	8.00	.315	79	3.110	78.0	3.071	41	1.614	1.0	.039	130°	20	0.042	DIN 6537 K
7.30	.287	59.4	2.339	8	8	860.1-0730-058A1-NM	☆	8.00	.315	121	4.764	120.0	4.724	80	3.150	1.0	.039	130°	20	0.053	COROMANT
7.40	.291	23.2	.913	3	8	860.1-0740-022A1-NM	☆	8.00	.315	79	3.110	78.0	3.071	41	1.614	1.0	.039	130°	20	0.043	DIN 6537 K
7.40	.291	60.2	2.370	8	8	860.1-0740-059A1-NM	☆	8.00	.315	121	4.764	120.0	4.724	80	3.150	1.0	.039	130°	20	0.053	COROMANT
7.50	.295	23.5	.925	3	8	860.1-0750-023A1-NM	☆	8.00	.315	79	3.110	78.0	3.071	41	1.614	1.0	.039	130°	20	0.044	DIN 6537 K
7.50	.295	61.0	2.402	8	8	860.1-0750-060A1-NM	☆	8.00	.315	121	4.764	120.0	4.724	80	3.150	1.0	.039	130°	20	0.053	COROMANT
7.54	.297	23.6	.929	3	8	860.1-0754-023A1-NM	☆	8.00	.315	79	3.110	78.0	3.071	41	1.614	1.0	.039	130°	20	0.044	DIN 6537 K
7.54	.297	61.3	2.413	8	8	860.1-0754-060A1-NM	☆	8.00	.315	121	4.764	120.0	4.724	80	3.150	1.0	.039	130°	20	0.053	COROMANT
7.94	.313	24.9	.980	3	8	860.1-0794-024A1-NM	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	130°	20	0.044	DIN 6537 K
7.94	.313	64.6	2.543	8	8	860.1-0794-064A1-NM	☆	8.00	.315	121	4.764	119.9	4.720	80	3.150	1.1	.043	130°	20	0.061	COROMANT
8.00	.315	25.1	.988	3	8	860.1-0800-024A1-NM	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	130°	20	0.046	DIN 6537 K
8.00	.315	65.1	2.563	8	8	860.1-0800-064A1-NM	☆	8.00	.315	121	4.764	119.9	4.720	80	3.150	1.1	.043	130°	20	0.062	COROMANT
8.33	.328	26.1	1.028	3	10	860.1-0833-025A1-NM	☆	10.00	.394	89	3.504	87.9	3.461	47	1.850	1.1	.043	130°	20	0.046	DIN 6537 K
8.33	.328	67.8	2.669	8	10	860.1-0833-067A1-NM	☆	10.00	.394	145	5.709	143.9	5.665	100	3.937	1.1	.043	130°	20	0.065	COROMANT
8.50	.335	26.6	1.047	3	10	860.1-0850-026A1-NM	☆	10.00	.394	89	3.504	87.9	3.461	47	1.850	1.1	.043	130°	20	0.066	DIN 6537 K
8.50	.335	69.1	2.720	8	10	860.1-0850-068A1-NM	☆	10.00	.394	145	5.709	143.9	5.665	100	3.937	1.1	.043	130°	20	0.066	COROMANT
8.60	.339	27.0	1.063	3	10	860.1-0860-026A1-NM	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	130°	20	0.067	DIN 6537 K
8.60	.339	70.0	2.756	8	10	860.1-0860-069A1-NM	☆	10.00	.394	145	5.709	143.8	5.661	100	3.937	1.2	.047	130°	20	0.066	COROMANT
8.70	.343	27.3	1.075	3	10	860.1-0870-026A1-NM	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	130°	20	0.067	DIN 6537 K
8.70	.343	70.8	2.787	8	10	860.1-0870-070A1-NM	☆	10.00	.394	145	5.709	143.8	5.661	100	3.937	1.2	.047	130°	20	0.099	COROMANT
8.73	.344	27.4	1.079	3	10	860.1-0873-026A1-NM	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	130°	20	0.068	DIN 6537 K
8.73	.344	71.0	2.795	8	10	860.1-0873-070A1-NM	☆	10.00	.394	145	5.709	143.8	5.661	100	3.937	1.2	.047	130°	20	0.101	COROMANT
8.80	.346	27.6	1.087	3	10	860.1-0880-026A1-NM	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	130°	20	0.068	DIN 6537 K
8.80	.346	71.6	2.819	8	10	860.1-0880-070A1-NM	☆	10.00	.394	145	5.709	143.8	5.661	100	3.937	1.2	.047	130°	20	0.103	COROMANT
9.00	.354	28.2	1.110	3	10	860.1-0900-027A1-NM	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	130°	20	0.068	DIN 6537 K
9.00	.354	73.2	2.882	8	10	860.1-0900-072A1-NM	☆	10.00	.394	145	5.709	143.8	5.661	100	3.937	1.2	.047	130°	20	0.068	COROMANT
9.13	.359	28.6	1.126	3	10	860.1-0913-027A1-NM	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	130°	20	0.069	DIN 6537 K
9.13	.359	74.2	2.921	8	10	860.1-0913-073A1-NM	☆	10.00	.394	145	5.709	143.8	5.661	100	3.937	1.2	.047	130°	20	0.103	COROMANT

O5 Q5 K208 K252 Q1 Q35

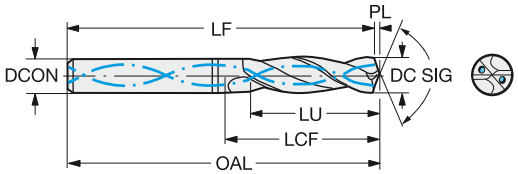
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	N	H10F	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
9.30	.366	29.1	1.146	3	10	860.1-0930-028A1-NM	☆		10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	130°	20	0.070	DIN 6537 K
9.30	.366	75.6	2.976	8	10	860.1-0930-074A1-NM	☆		10.00	.394	145	5.709	143.8	5.661	100	3.937	1.2	.047	130°	20	0.107	COROMANT
9.40	.370	29.5	1.161	3	10	860.1-0940-028A1-NM	☆		10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	130°	20	0.071	DIN 6537 K
9.40	.370	76.5	3.012	8	10	860.1-0940-075A1-NM	☆		10.00	.394	145	5.709	143.7	5.657	100	3.937	1.3	.051	130°	20	0.110	COROMANT
9.50	.374	29.8	1.173	3	10	860.1-0950-029A1-NM	☆		10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	130°	20	0.072	DIN 6537 K
9.50	.374	77.3	3.043	8	10	860.1-0950-076A1-NM	☆		10.00	.394	145	5.709	143.7	5.657	100	3.937	1.3	.051	130°	20	0.113	COROMANT
9.53	.375	29.9	1.177	3	10	860.1-0953-029A1-NM	☆		10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	130°	20	0.073	DIN 6537 K
9.53	.375	77.5	3.051	8	10	860.1-0953-076A1-NM	☆		10.00	.394	145	5.709	143.7	5.657	100	3.937	1.3	.051	130°	20	0.114	COROMANT
9.92	.391	31.1	1.224	3	10	860.1-0992-030A1-NM	☆		10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	130°	20	0.075	DIN 6537 K
9.92	.391	80.7	3.177	8	10	860.1-0992-079A1-NM	☆		10.00	.394	145	5.709	143.7	5.657	100	3.937	1.3	.051	130°	20	0.116	COROMANT
10.00	.394	31.3	1.232	3	10	860.1-1000-030A1-NM	☆		10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	130°	20	0.057	DIN 6537 K
10.00	.394	81.3	3.201	8	10	860.1-1000-080A1-NM	☆		10.00	.394	145	5.709	143.7	5.657	100	3.937	1.3	.051	130°	20	0.120	COROMANT
10.20	.402	32.0	1.260	3	12	860.1-1020-031A1-NM	☆		12.00	.472	102	4.016	100.6	3.961	55	2.165	1.4	.055	130°	20	0.108	DIN 6537 K
10.20	.402	83.0	3.268	8	12	860.1-1020-082A1-NM	☆		12.00	.472	171	6.732	169.6	6.677	120	4.724	1.4	.055	130°	20	0.122	COROMANT
10.30	.406	32.3	1.272	3	12	860.1-1030-031A1-NM	☆		12.00	.472	102	4.016	100.6	3.961	55	2.165	1.4	.055	130°	20	0.110	DIN 6537 K
10.30	.406	83.8	3.299	8	12	860.1-1030-082A1-NM	☆		12.00	.472	171	6.732	169.6	6.677	120	4.724	1.4	.055	130°	20	0.122	COROMANT
10.32	.406	32.3	1.272	3	12	860.1-1032-031A1-NM	☆		12.00	.472	102	4.016	100.6	3.961	55	2.165	1.4	.055	130°	20	0.110	DIN 6537 K
10.32	.406	83.9	3.303	8	12	860.1-1032-083A1-NM	☆		12.00	.472	171	6.732	169.6	6.677	120	4.724	1.4	.055	130°	20	0.122	COROMANT
10.40	.409	32.6	1.283	3	12	860.1-1040-031A1-NM	☆		12.00	.472	102	4.016	100.6	3.961	55	2.165	1.4	.055	130°	20	0.111	DIN 6537 K
10.40	.409	84.6	3.331	8	12	860.1-1040-083A1-NM	☆		12.00	.472	171	6.732	169.6	6.677	120	4.724	1.4	.055	130°	20	0.122	COROMANT
10.50	.413	32.9	1.295	3	12	860.1-1050-032A1-NM	☆		12.00	.472	102	4.016	100.6	3.961	55	2.165	1.4	.055	130°	20	0.118	DIN 6537 K
10.50	.413	85.4	3.362	8	12	860.1-1050-084A1-NM	☆		12.00	.472	171	6.732	169.6	6.677	120	4.724	1.4	.055	130°	20	0.122	COROMANT
10.72	.422	33.6	1.323	3	12	860.1-1072-032A1-NM	☆		12.00	.472	102	4.016	100.6	3.961	55	2.165	1.4	.055	130°	20	0.133	DIN 6537 K
10.72	.422	87.2	3.433	8	12	860.1-1072-086A1-NM	☆		12.00	.472	171	6.732	169.6	6.677	120	4.724	1.4	.055	130°	20	0.122	COROMANT
10.80	.425	33.8	1.331	3	12	860.1-1080-032A1-NM	☆		12.00	.472	102	4.016	100.6	3.961	55	2.165	1.4	.055	130°	20	0.114	DIN 6537 K
10.80	.425	87.8	3.457	8	12	860.1-1080-086A1-NM	☆		12.00	.472	171	6.732	169.6	6.677	120	4.724	1.4	.055	130°	20	0.170	COROMANT
11.00	.433	34.5	1.358	3	12	860.1-1100-033A1-NM	☆		12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	130°	20	0.114	DIN 6537 K
11.00	.433	89.5	3.524	8	12	860.1-1100-088A1-NM	☆		12.00	.472	171	6.732	169.5	6.673	120	4.724	1.5	.059	130°	20	0.170	COROMANT
11.10	.437	34.8	1.370	3	12	860.1-1110-033A1-NM	☆		12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	130°	20	0.120	DIN 6537 K
11.10	.437	90.3	3.555	8	12	860.1-1110-089A1-NM	☆		12.00	.472	171	6.732	169.5	6.673	120	4.724	1.5	.059	130°	20	0.170	COROMANT
11.11	.437	34.8	1.370	3	12	860.1-1111-033A1-NM	☆		12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	130°	20	0.170	DIN 6537 K
11.11	.437	90.4	3.559	8	12	860.1-1111-089A1-NM	☆		12.00	.472	171	6.732	169.5	6.673	120	4.724	1.5	.059	130°	20	0.170	COROMANT
11.20	.441	35.1	1.382	3	12	860.1-1120-034A1-NM	☆		12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	130°	20	0.116	DIN 6537 K
11.20	.441	91.1	3.587	8	12	860.1-1120-090A1-NM	☆		12.00	.472	171	6.732	169.5	6.673	120	4.724	1.5	.059	130°	20	0.170	COROMANT
11.50	.453	36.0	1.417	3	12	860.1-1150-035A1-NM	☆		12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	130°	20	0.120	DIN 6537 K
11.50	.453	93.5	3.681	8	12	860.1-1150-092A1-NM	☆		12.00	.472	171	6.732	169.5	6.673	120	4.724	1.5	.059	130°	20	0.170	COROMANT
11.51	.453	36.1	1.421	3	12	860.1-1151-035A1-NM	☆		12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	130°	20	0.119	DIN 6537 K
11.51	.453	93.6	3.685	8	12	860.1-1151-092A1-NM	☆		12.00	.472	171	6.732	169.5	6.673	120	4.724	1.5	.059	130°	20	0.170	COROMANT
11.80	.465	37.0	1.457	3	12	860.1-1180-035A1-NM	☆		12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	130°	20	0.123	DIN 6537 K
11.80	.465	96.0	3.780	8	12	860.1-1180-094A1-NM	☆		12.00	.472	171	6.732	169.4	6.669	120	4.724	1.6	.063	130°	20	0.220	COROMANT
11.91	.469	37.3	1.469	3	12	860.1-1191-036A1-NM	☆		12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	130°	20	0.123	DIN 6537 K
11.91	.469	96.8	3.811	8	12	860.1-1191-095A1-NM	☆		12.00	.472	171	6.732	169.4	6.669	120	4.724	1.6	.063	130°	20	0.220	COROMANT
12.00	.472	37.6	1.480	3	12	860.1-1200-036A1-NM	☆		12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	130°	20	0.124	DIN 6537 K
12.00	.472	97.6	3.843	8	12	860.1-1200-096A1-NM	☆		12.00	.472	171	6.732	169.4	6.669	120	4.724	1.6	.063	130°	20	0.220	COROMANT
12.10	.476	37.9	1.492	3	14	860.1-1210-036A1-NM	☆		14.00	.551	107	4.213	105.4	4.150	60	2.362	1.6	.063	130°	20	0.162	DIN 6537 K
12.10	.476	98.4	3.874	8	14	860.1-1210-097A1-NM	☆		14.00	.551	190	7.480	188.4	7.417	140	5.512	1.6	.063	130°	20	0.220	COROMANT
12.20	.480	38.2	1.504	3	14	860.1-1220-037A1-NM	☆		14.00	.551	107	4.213	105.4	4.150	60	2.362	1.6	.063	130°	20	0.164	DIN 6537 K
12.20	.480	99.2	3.906	8	14	860.1-1220-098A1-NM	☆		14.00	.551	190	7.480	188.4	7.417	140	5.512	1.6	.063	130°	20	0.220	COROMANT


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K208


K252


Q1


Q35

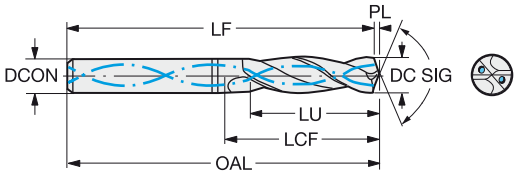
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	N / H10F	Dimensions, mm, inch: DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
12.30	.484	38.6	1.520	3	14	860.1-1230-037A1-NM	☆	14.00	.551	107	4.213	105.4	4.150	60	2.362	1.6	.063	130°	20	0.165	DIN 6537 K
12.30	.484	100.1	3.941	8	14	860.1-1230-098A1-NM	☆	14.00	.551	190	7.480	188.4	7.417	140	5.512	1.6	.063	130°	20	0.220	COROMANT
12.50	.492	39.2	1.543	3	14	860.1-1250-038A1-NM	☆	14.00	.551	107	4.213	105.3	4.146	60	2.362	1.7	.067	130°	20	0.167	DIN 6537 K
12.50	.492	101.7	4.004	8	14	860.1-1250-100A1-NM	☆	14.00	.551	190	7.480	188.3	7.413	140	5.512	1.7	.067	130°	20	0.220	COROMANT
12.70	.500	39.8	1.567	3	14	860.1-1270-038A1-NM	☆	14.00	.551	107	4.213	105.3	4.146	60	2.362	1.7	.067	130°	20	0.170	DIN 6537 K
12.70	.500	103.3	4.067	8	14	860.1-1270-102A1-NM	☆	14.00	.551	190	7.480	188.3	7.413	140	5.512	1.7	.067	130°	20	0.279	COROMANT
13.00	.512	40.7	1.602	3	14	860.1-1300-039A1-NM	☆	14.00	.551	107	4.213	105.3	4.146	60	2.362	1.7	.067	130°	20	0.168	DIN 6537 K
13.00	.512	105.7	4.161	8	14	860.1-1300-104A1-NM	☆	14.00	.551	190	7.480	188.3	7.413	140	5.512	1.7	.067	130°	20	0.279	COROMANT
13.10	.516	41.0	1.614	3	14	860.1-1310-039A1-NM	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	130°	20	0.169	DIN 6537 K
13.10	.516	106.5	4.193	8	14	860.1-1310-105A1-NM	☆	14.00	.551	190	7.480	188.2	7.409	140	5.512	1.8	.071	130°	20	0.279	COROMANT
13.49	.531	42.3	1.665	3	14	860.1-1349-040A1-NM	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	130°	20	0.175	DIN 6537 K
13.49	.531	109.8	4.323	8	14	860.1-1349-108A1-NM	☆	14.00	.551	190	7.480	188.2	7.409	140	5.512	1.8	.071	130°	20	0.279	COROMANT
13.50	.531	42.3	1.665	3	14	860.1-1350-041A1-NM	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	130°	20	0.173	DIN 6537 K
13.50	.531	109.8	4.323	8	14	860.1-1350-108A1-NM	☆	14.00	.551	190	7.480	188.2	7.409	140	5.512	1.8	.071	130°	20	0.283	COROMANT
13.89	.547	43.3	1.705	3	14	860.1-1389-042A1-NM	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	130°	20	0.179	DIN 6537 K
13.89	.547	113.0	4.449	8	14	860.1-1389-111A1-NM	☆	14.00	.551	190	7.480	188.1	7.406	140	5.512	1.9	.075	130°	20	0.290	COROMANT
14.00	.551	43.9	1.728	3	14	860.1-1400-042A1-NM	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	130°	20	0.180	DIN 6537 K
14.00	.551	113.9	4.484	8	14	860.1-1400-112A1-NM	☆	14.00	.551	190	7.480	188.1	7.406	140	5.512	1.9	.075	130°	20	0.299	COROMANT
14.20	.559	44.5	1.752	3	16	860.1-1420-043A1-NM	☆	16.00	.630	115	4.528	113.1	4.453	65	2.559	1.9	.075	130°	20	0.231	DIN 6537 K
14.20	.559	115.5	4.547	8	16	860.1-1420-114A1-NM	☆	16.00	.630	213	8.386	211.1	8.311	160	6.299	1.9	.075	130°	20	0.305	COROMANT
14.29	.563	44.8	1.764	3	16	860.1-1429-043A1-NM	☆	16.00	.630	115	4.528	113.1	4.453	65	2.559	1.9	.075	130°	20	0.228	DIN 6537 K
14.29	.563	116.2	4.575	8	16	860.1-1429-114A1-NM	☆	16.00	.630	213	8.386	211.1	8.311	160	6.299	1.9	.075	130°	20	0.305	COROMANT
14.50	.571	45.4	1.787	3	16	860.1-1450-044A1-NM	☆	16.00	.630	115	4.528	113.1	4.453	65	2.559	1.9	.075	130°	20	0.305	DIN 6537 K
14.50	.571	117.9	4.642	8	16	860.1-1450-116A1-NM	☆	16.00	.630	213	8.386	211.1	8.311	160	6.299	1.9	.075	130°	20	0.305	COROMANT
14.68	.578	46.0	1.811	3	16	860.1-1468-044A1-NM	☆	16.00	.630	115	4.528	113.0	4.449	65	2.559	2.0	.079	130°	20	0.233	DIN 6537 K
14.68	.578	119.4	4.701	8	16	860.1-1468-117A1-NM	☆	16.00	.630	213	8.386	211.0	8.307	160	6.299	2.0	.079	130°	20	0.330	COROMANT
14.75	.581	46.2	1.819	3	16	860.1-1475-044A1-NM	☆	16.00	.630	115	4.528	113.0	4.449	65	2.559	2.0	.079	130°	20	0.232	DIN 6537 K
14.75	.581	120.0	4.724	8	16	860.1-1475-118A1-NM	☆	16.00	.630	213	8.386	211.0	8.307	160	6.299	2.0	.079	130°	20	0.330	COROMANT
15.00	.591	47.0	1.850	3	16	860.1-1500-045A1-NM	☆	16.00	.630	115	4.528	113.0	4.449	65	2.559	2.0	.079	130°	20	0.237	DIN 6537 K
15.00	.591	122.0	4.803	8	16	860.1-1500-120A1-NM	☆	16.00	.630	213	8.386	211.0	8.307	160	6.299	2.0	.079	130°	20	0.330	COROMANT
15.08	.594	47.3	1.862	3	16	860.1-1508-045A1-NM	☆	16.00	.630	115	4.528	113.0	4.449	65	2.559	2.0	.079	130°	20	0.238	DIN 6537 K
15.08	.594	122.7	4.831	8	16	860.1-1508-121A1-NM	☆	16.00	.630	213	8.386	211.0	8.307	160	6.299	2.0	.079	130°	20	0.360	COROMANT
15.50	.610	48.6	1.913	3	16	860.1-1550-047A1-NM	☆	16.00	.630	115	4.528	112.9	4.445	65	2.559	2.1	.083	130°	20	0.244	DIN 6537 K
15.50	.610	126.1	4.965	8	16	860.1-1550-124A1-NM	☆	16.00	.630	213	8.386	210.9	8.303	160	6.299	2.1	.083	130°	20	0.360	COROMANT
15.88	.625	49.1	1.933	3	16	860.1-1588-048A1-NM	☆	16.00	.630	115	4.528	112.9	4.445	65	2.559	2.1	.083	130°	20	0.247	DIN 6537 K
15.88	.625	129.1	5.083	8	16	860.1-1588-127A1-NM	☆	16.00	.630	213	8.386	210.9	8.303	160	6.299	2.1	.083	130°	20	0.360	COROMANT
16.00	.630	49.0	1.929	3	16	860.1-1600-048A1-NM	☆	16.00	.630	115	4.528	112.9	4.445	65	2.559	2.1	.083	130°	20	0.249	DIN 6537 K
16.00	.630	130.1	5.122	8	16	860.1-1600-128A1-NM	☆	16.00	.630	213	8.386	210.9	8.303	160	6.299	2.1	.083	130°	20	0.400	COROMANT
16.50	.650	51.7	2.035	3	18	860.1-1650-050A1-NM	☆	18.00	.709	123	4.843	120.8	4.756	73	2.874	2.2	.087	130°	20	0.400	DIN 6537 K
16.50	.650	134.2	5.283	8	18	860.1-1650-132A1-NM	☆	18.00	.709	234	9.213	231.8	9.126	180	7.087	2.2	.087	130°	20	0.400	COROMANT
16.67	.656	52.2	2.055	3	18	860.1-1667-050A1-NM	☆	18.00	.709	123	4.843	120.8	4.756	73	2.874	2.2	.087	130°	20	0.304	DIN 6537 K
16.67	.656	135.6	5.339	8	18	860.1-1667-133A1-NM	☆	18.00	.709	234	9.213	231.8	9.126	180	7.087	2.2	.087	130°	20	0.442	COROMANT
17.00	.669	53.3	2.098	3	18	860.1-1700-051A1-NM	☆	18.00	.709	123	4.843	120.7	4.752	73	2.874	2.3	.091	130°	20	0.311	DIN 6537 K
17.00	.669	138.3	5.445	8	18	860.1-1700-136A1-NM	☆	18.00	.709	234	9.213	231.7	9.122	180	7.087	2.3	.091	130°	20	0.442	COROMANT
17.46	.687	54.7	2.154	3	18	860.1-1746-052A1-NM	☆	18.00	.709	123	4.843	120.7	4.752	73	2.874	2.3	.091	130°	20	0.500	DIN 6537 K
17.46	.687	142.0	5.591	8	18	860.1-1746-140A1-NM	☆	18.00	.709	234	9.213	231.7	9.122	180	7.087	2.3	.091	130°	20	0.500	COROMANT
17.50	.689	54.8	2.157	3	18	860.1-1750-053A1-NM	☆	18.00	.709	123	4.843	120.7	4.752	73	2.874	2.3	.091	130°	20	0.321	DIN 6537 K
17.50	.689	142.3	5.602	8	18	860.1-1750-140A1-NM	☆	18.00	.709	234	9.213	231.7	9.122	180	7.087	2.3	.091	130°	20	0.500	COROMANT

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SANDVIK Coromant

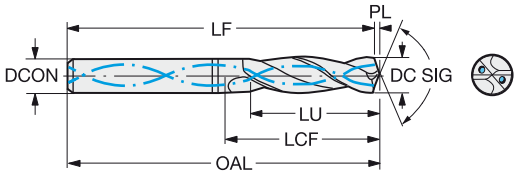
CoroDrill® 860 solid carbide drill

HA shank

Internal coolant supply



TCHA H8
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	N / H10F	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
18.00	.709	56.4	2.220	3	18	**860.1-1800-054A1-NM**	☆	18.00	.709	123	4.843	120.6	4.748	73	2.874	2.4	.094	130°	20	0.330	DIN 6537 K
18.00	.709	146.4	5.764	8	18	**860.1-1800-144A1-NM**	☆	18.00	.709	234	9.213	231.6	9.118	180	7.087	2.4	.094	130°	20	0.520	COROMANT
19.00	.748	59.5	2.343	3	20	**860.1-1900-057A1-NM**	☆	20.00	.787	131	5.157	128.5	5.059	79	3.110	2.5	.098	130°	20	0.407	DIN 6537 K
19.00	.748	154.5	6.083	8	20	**860.1-1900-152A1-NM**	☆	20.00	.787	257	10.118	254.5	10.020	200	7.874	2.5	.098	130°	20	0.550	COROMANT
19.05	.750	59.7	2.350	3	20	**860.1-1905-057A1-NM**	☆	20.00	.787	131	5.157	128.4	5.055	79	3.110	2.6	.102	130°	20	0.410	DIN 6537 K
19.05	.750	155.0	6.102	8	20	**860.1-1905-152A1-NM**	☆	20.00	.787	257	10.118	254.4	10.016	200	7.874	2.6	.102	130°	20	0.550	COROMANT
20.00	.787	62.7	2.469	3	20	**860.1-2000-060A1-NM**	☆	20.00	.787	131	5.157	128.3	5.051	79	3.110	2.7	.106	130°	20	0.433	DIN 6537 K
20.00	.787	162.7	6.406	8	20	**860.1-2000-160A1-NM**	☆	20.00	.787	257	10.118	254.3	10.012	200	7.874	2.7	.106	130°	20	0.610	COROMANT

O5 Q5 K208 K252 Q1 Q35

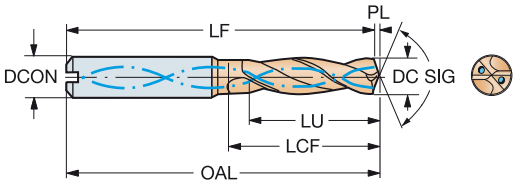
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	S 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.00	.118	9.5	.374	3	6	R846-0300-30-A1A	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.027	DIN 6537 K
3.00	.118	15.5	.610	5	6	R846-0300-50-A1A	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.027	DIN 6537 L
3.18	.125	10.1	.398	3	6	R846-0318-30-A1A	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.019	DIN 6537 K
3.18	.125	16.4	.646	5	6	R846-0318-50-A1A	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.019	DIN 6537 L
3.20	.126	10.1	.398	3	6	R846-0320-30-A1A	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.020	DIN 6537 K
3.20	.126	16.5	.650	5	6	R846-0320-50-A1A	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.020	DIN 6537 L
3.30	.130	10.5	.413	3	6	R846-0330-30-A1A	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.019	DIN 6537 K
3.40	.134	10.8	.425	3	6	R846-0340-30-A1A	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.020	DIN 6537 K
3.40	.134	17.6	.693	5	6	R846-0340-50-A1A	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.020	DIN 6537 L
3.50	.138	11.1	.437	3	6	R846-0350-30-A1A	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.020	DIN 6537 K
3.50	.138	18.1	.713	5	6	R846-0350-50-A1A	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.020	DIN 6537 L
3.57	.141	11.3	.445	3	6	R846-0357-30-A1A	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.020	DIN 6537 K
3.57	.141	18.5	.728	5	6	R846-0357-50-A1A	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.020	DIN 6537 L
3.60	.142	11.4	.449	3	6	R846-0360-30-A1A	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.017	DIN 6537 K
3.60	.142	18.6	.732	5	6	R846-0360-50-A1A	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.019	DIN 6537 L
3.70	.146	19.1	.752	5	6	R846-0370-50-A1A	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.020	DIN 6537 L
3.80	.150	12.0	.472	3	6	R846-0380-30-A1A	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.021	DIN 6537 K
3.90	.154	12.4	.488	3	6	R846-0390-30-A1A	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.021	DIN 6537 K
3.90	.154	20.2	.795	5	6	R846-0390-50-A1A	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.020	DIN 6537 L
3.97	.156	12.6	.496	3	6	R846-0397-30-A1A	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.021	DIN 6537 K
3.97	.156	20.5	.807	5	6	R846-0397-50-A1A	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.021	DIN 6537 L
4.00	.157	12.7	.500	3	6	R846-0400-30-A1A	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.028	DIN 6537 K
4.00	.157	20.7	.815	5	6	R846-0400-50-A1A	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.031	DIN 6537 L
4.10	.161	13.0	.512	3	6	R846-0410-30-A1A	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.021	DIN 6537 K
4.10	.161	21.2	.835	5	6	R846-0410-50-A1A	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.022	DIN 6537 L
4.15	.163	21.5	.846	5	6	R846-0415-50-A1A	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.022	DIN 6537 L
4.20	.165	13.3	.524	3	6	R846-0420-30-A1A	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.021	DIN 6537 K
4.20	.165	21.7	.854	5	6	R846-0420-50-A1A	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.022	DIN 6537 L
4.30	.169	13.6	.535	3	6	R846-0430-30-A1A	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.050	DIN 6537 K
4.30	.169	22.2	.874	5	6	R846-0430-50-A1A	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.032	DIN 6537 L
4.37	.172	13.8	.543	3	6	R846-0437-30-A1A	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.021	DIN 6537 K
4.37	.172	22.6	.890	5	6	R846-0437-50-A1A	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.022	DIN 6537 L
4.50	.177	14.3	.563	3	6	R846-0450-30-A1A	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	20	0.029	DIN 6537 K
4.50	.177	23.3	.917	5	6	R846-0450-50-A1A	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	20	0.032	DIN 6537 L
4.60	.181	23.8	.937	5	6	R846-0460-50-A1A	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	20	0.023	DIN 6537 L
4.70	.185	14.6	.575	3	6	R846-0470-30-A1A	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	20	0.022	DIN 6537 K
4.76	.187	15.1	.594	3	6	R846-0476-30-A1A	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.022	DIN 6537 K
4.76	.187	24.6	.969	5	6	R846-0476-50-A1A	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.024	DIN 6537 L
4.80	.189	15.2	.598	3	6	R846-0480-30-A1A	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.029	DIN 6537 K
4.80	.189	24.8	.976	5	6	R846-0480-50-A1A	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.033	DIN 6537 L
4.90	.193	15.5	.610	3	6	R846-0490-30-A1A	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.020	DIN 6537 K
4.90	.193	25.3	.996	5	6	R846-0490-50-A1A	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.024	DIN 6537 L
5.00	.197	15.8	.622	3	6	R846-0500-30-A1A	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.040	DIN 6537 K
5.00	.197	25.8	1.016	5	6	R846-0500-50-A1A	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.034	DIN 6537 L
5.10	.201	16.2	.638	3	6	R846-0510-30-A1A	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.030	DIN 6537 K
5.10	.201	26.4	1.039	5	6	R846-0510-50-A1A	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.025	DIN 6537 L
5.16	.203	16.3	.642	3	6	R846-0516-30-A1A	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.023	DIN 6537 K
5.16	.203	26.7	1.051	5	6	R846-0516-50-A1A	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.025	DIN 6537 L

O5 Q5 K214 K252 Q1 Q35

SANDVIK Coromant

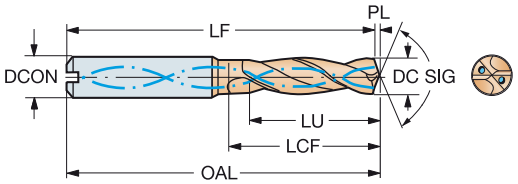
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	S 1220	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
5.20	.205	16.5	.650	3	6	R846-0520-30-A1A	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.023	DIN 6537 K
5.20	.205	26.9	1.059	5	6	R846-0520-50-A1A	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.025	DIN 6537 L
5.25	.207	16.6	.654	3	6	R846-0525-30-A1A	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.023	DIN 6537 K
5.30	.209	27.4	1.079	5	6	R846-0530-50-A1A	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.026	DIN 6537 L
5.40	.213	17.1	.673	3	6	R846-0540-30-A1A	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.023	DIN 6537 K
5.40	.213	27.9	1.098	5	6	R846-0540-50-A1A	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.026	DIN 6537 L
5.50	.217	17.4	.685	3	6	R846-0550-30-A1A	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.040	DIN 6537 K
5.50	.217	28.4	1.118	5	6	R846-0550-50-A1A	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.026	DIN 6537 L
5.55	.219	17.6	.693	3	6	R846-0555-30-A1A	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.030	DIN 6537 K
5.56	.219	17.6	.693	3	6	R846-0556-30-A1A	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.023	DIN 6537 K
5.56	.219	28.7	1.130	5	6	R846-0556-50-A1A	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.027	DIN 6537 L
5.60	.220	17.7	.697	3	6	R846-0560-30-A1A	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.040	DIN 6537 K
5.80	.228	17.6	.693	3	6	R846-0580-30-A1A	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.040	DIN 6537 K
5.80	.228	30.0	1.181	5	6	R846-0580-50-A1A	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.035	DIN 6537 L
6.00	.236	19.0	.748	3	6	R846-0600-30-A1A	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.040	DIN 6537 K
6.00	.236	31.0	1.220	5	6	R846-0600-50-A1A	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.040	DIN 6537 L
6.10	.240	19.3	.760	3	8	R846-0610-30-A1A	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.025	DIN 6537 K
6.10	.240	31.5	1.240	5	8	R846-0610-50-A1A	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.042	DIN 6537 L
6.20	.244	19.6	.772	3	8	R846-0620-30-A1A	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.040	DIN 6537 K
6.30	.248	20.0	.787	3	8	R846-0630-30-A1A	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.040	DIN 6537 K
6.30	.248	32.6	1.283	5	8	R846-0630-50-A1A	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.042	DIN 6537 L
6.35	.250	20.1	.791	3	8	R846-0635-30-A1A	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.040	DIN 6537 K
6.35	.250	32.8	1.291	5	8	R846-0635-50-A1A	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.043	DIN 6537 L
6.40	.252	20.3	.799	3	8	R846-0640-30-A1A	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.041	DIN 6537 K
6.40	.252	33.1	1.303	5	8	R846-0640-50-A1A	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.043	DIN 6537 L
6.50	.256	20.6	.811	3	8	R846-0650-30-A1A	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.077	DIN 6537 K
6.50	.256	33.6	1.323	5	8	R846-0650-50-A1A	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.044	DIN 6537 L
6.60	.260	20.9	.823	3	8	R846-0660-30-A1A	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.077	DIN 6537 K
6.60	.260	34.1	1.343	5	8	R846-0660-50-A1A	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.044	DIN 6537 L
6.70	.264	21.2	.835	3	8	R846-0670-30-A1A	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.049	DIN 6537 K
6.80	.268	21.5	.846	3	8	R846-0680-30-A1A	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.049	DIN 6537 K
6.80	.268	35.1	1.382	5	8	R846-0680-50-A1A	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.050	DIN 6537 L
6.90	.272	21.9	.862	3	8	R846-0690-30-A1A	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	20	0.078	DIN 6537 K
6.90	.272	35.7	1.406	5	8	R846-0690-50-A1A	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.046	DIN 6537 L
7.00	.276	22.2	.874	3	8	R846-0700-30-A1A	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	20	0.040	DIN 6537 K
7.00	.276	36.2	1.425	5	8	R846-0700-50-A1A	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.078	DIN 6537 L
7.10	.280	22.5	.886	3	8	R846-0710-30-A1A	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.078	DIN 6537 K
7.14	.281	22.6	.890	3	8	R846-0714-30-A1A	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.042	DIN 6537 K
7.14	.281	36.9	1.453	5	8	R846-0714-50-A1A	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.047	DIN 6537 L
7.20	.283	22.8	.898	3	8	R846-0720-30-A1A	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.040	DIN 6537 K
7.20	.283	37.2	1.465	5	8	R846-0720-50-A1A	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.047	DIN 6537 L
7.30	.287	23.1	.909	3	8	R846-0730-30-A1A	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.050	DIN 6537 K
7.40	.291	23.5	.925	3	8	R846-0740-30-A1A	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.040	DIN 6537 K
7.50	.295	23.8	.937	3	8	R846-0750-30-A1A	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.045	DIN 6537 K
7.50	.295	38.8	1.528	5	8	R846-0750-50-A1A	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.049	DIN 6537 L
7.60	.299	24.1	.949	3	8	R846-0760-30-A1A	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.044	DIN 6537 K
7.70	.303	24.4	.961	3	8	R846-0770-30-A1A	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.045	DIN 6537 K
7.94	.313	25.2	.992	3	8	R846-0794-30-A1A	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.046	DIN 6537 K
7.94	.313	41.0	1.614	5	8	R846-0794-50-A1A	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.052	DIN 6537 L

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 Q5

 K214

 K252

 Q1

 Q35

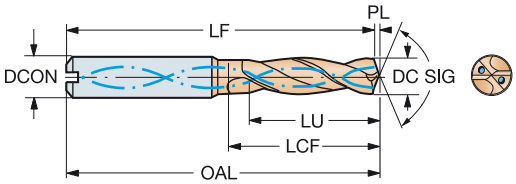
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	S 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
8.00	.315	25.4	1.000	3	8	R846-0800-30-A1A	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	20	0.077	DIN 6537 K
8.00	.315	41.4	1.630	5	8	R846-0800-50-A1A	☆	8.00	.315	91	3.583	89.6	3.528	53	2.087	1.4	.055	140°	20	0.077	DIN 6537 L
8.10	.319	25.7	1.012	3	10	R846-0810-30-A1A	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.077	DIN 6537 K
8.20	.323	26.0	1.024	3	10	R846-0820-30-A1A	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.077	DIN 6537 K
8.33	.328	26.4	1.039	3	10	R846-0833-30-A1A	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.066	DIN 6537 K
8.45	.333	26.8	1.055	3	10	R846-0845-30-A1A	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.067	DIN 6537 K
8.50	.335	26.9	1.059	3	10	R846-0850-30-A1A	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.077	DIN 6537 K
8.50	.335	43.9	1.728	5	10	R846-0850-50-A1A	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.077	DIN 6537 L
8.60	.339	27.3	1.075	3	10	R846-0860-30-A1A	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.077	DIN 6537 K
8.60	.339	44.5	1.752	5	10	R846-0860-50-A1A	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.073	DIN 6537 L
8.65	.341	27.4	1.079	3	10	R846-0865-30-A1A	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.067	DIN 6537 K
8.70	.343	27.6	1.087	3	10	R846-0870-30-A1A	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.077	DIN 6537 K
8.73	.344	27.7	1.091	3	10	R846-0873-30-A1A	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.068	DIN 6537 K
8.73	.344	45.1	1.776	5	10	R846-0873-50-A1A	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.074	DIN 6537 L
8.80	.346	27.9	1.098	3	10	R846-0880-30-A1A	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.044	DIN 6537 K
8.80	.346	45.5	1.791	5	10	R846-0880-50-A1A	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.047	DIN 6537 L
8.85	.348	28.0	1.102	3	10	R846-0885-30-A1A	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.069	DIN 6537 K
8.90	.350	46.0	1.811	5	10	R846-0890-50-A1A	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.075	DIN 6537 L
9.00	.354	28.5	1.122	3	10	R846-0900-30-A1A	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.077	DIN 6537 K
9.00	.354	46.5	1.831	5	10	R846-0900-50-A1A	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.077	DIN 6537 L
9.13	.359	28.9	1.138	3	10	R846-0913-30-A1A	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.070	DIN 6537 K
9.13	.359	47.2	1.858	5	10	R846-0913-50-A1A	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.077	DIN 6537 L
9.20	.362	29.2	1.150	3	10	R846-0920-30-A1A	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.080	DIN 6537 K
9.30	.366	29.5	1.161	3	10	R846-0930-30-A1A	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.071	DIN 6537 K
9.30	.366	48.1	1.894	5	10	R846-0930-50-A1A	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.192	DIN 6537 L
9.40	.370	29.8	1.173	3	10	R846-0940-30-A1A	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.072	DIN 6537 K
9.40	.370	48.6	1.913	5	10	R846-0940-50-A1A	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.079	DIN 6537 L
9.50	.374	30.1	1.185	3	10	R846-0950-30-A1A	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.077	DIN 6537 K
9.53	.375	30.2	1.189	3	10	R846-0953-30-A1A	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.073	DIN 6537 K
9.53	.375	48.6	1.913	5	10	R846-0953-50-A1A	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.081	DIN 6537 L
9.60	.378	30.4	1.197	3	10	R846-0960-30-A1A	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.077	DIN 6537 K
9.60	.378	48.5	1.909	5	10	R846-0960-50-A1A	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.097	DIN 6537 L
9.70	.382	30.7	1.209	3	10	R846-0970-30-A1A	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.075	DIN 6537 K
9.80	.386	31.1	1.224	3	10	R846-0980-30-A1A	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.076	DIN 6537 K
9.80	.386	48.3	1.902	4	10	R846-0980-50-A1A	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.305	DIN 6537 L
9.90	.390	31.4	1.236	3	10	R846-0990-30-A1A	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.075	DIN 6537 K
9.90	.390	48.1	1.894	4	10	R846-0990-50-A1A	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.079	DIN 6537 L
10.00	.394	31.7	1.248	3	10	R846-1000-30-A1A	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.077	DIN 6537 K
10.00	.394	48.0	1.890	4	10	R846-1000-50-A1A	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.308	DIN 6537 L
10.10	.398	32.0	1.260	3	12	R846-1010-30-A1A	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.108	DIN 6537 K
10.20	.402	32.3	1.272	3	12	R846-1020-30-A1A	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.100	DIN 6537 K
10.20	.402	52.7	2.075	5	12	R846-1020-50-A1A	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.120	DIN 6537 L
10.30	.406	32.6	1.283	3	12	R846-1030-30-A1A	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.090	DIN 6537 K
10.30	.406	53.2	2.094	5	12	R846-1030-50-A1A	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.095	DIN 6537 L
10.32	.406	32.7	1.287	3	12	R846-1032-30-A1A	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.108	DIN 6537 K
10.32	.406	53.3	2.098	5	12	R846-1032-50-A1A	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.126	DIN 6537 L
10.50	.413	33.3	1.311	3	12	R846-1050-30-A1A	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.120	DIN 6537 K
10.60	.417	33.6	1.323	3	12	R846-1060-30-A1A	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.113	DIN 6537 K
10.70	.421	55.3	2.177	5	12	R846-1070-50-A1A	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.128	DIN 6537 L

O5 Q5 K214 K252 Q1 Q35

SANDVIK Coromant

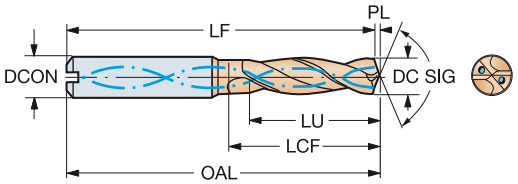
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



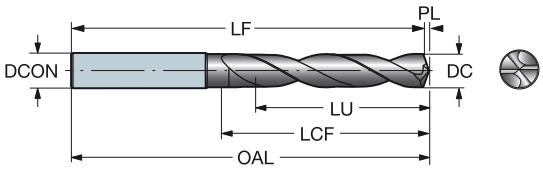
DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	S 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
10.80	.425	34.2	1.346	3	12	R846-1080-30-A1A	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.114	DIN 6537 K
10.90	.429	34.5	1.358	3	12	R846-1090-30-A1A	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.115	DIN 6537 K
10.90	.429	56.3	2.217	5	12	R846-1090-50-A1A	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.117	DIN 6537 L
11.00	.433	34.9	1.374	3	12	R846-1100-30-A1A	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.160	DIN 6537 K
11.00	.433	56.9	2.240	5	12	R846-1100-50-A1A	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.160	DIN 6537 L
11.11	.437	35.2	1.386	3	12	R846-1111-30-A1A	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.120	DIN 6537 K
11.11	.437	57.4	2.260	5	12	R846-1111-50-A1A	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.135	DIN 6537 L
11.50	.453	36.4	1.433	3	12	R846-1150-30-A1A	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.120	DIN 6537 K
11.80	.465	37.4	1.472	3	12	R846-1180-30-A1A	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.123	DIN 6537 K
11.91	.469	37.7	1.484	3	12	R846-1191-30-A1A	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.123	DIN 6537 K
11.91	.469	56.7	2.232	4	12	R846-1191-50-A1A	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.144	DIN 6537 L
12.00	.472	38.0	1.496	3	12	R846-1200-30-A1A	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.160	DIN 6537 K
12.00	.472	56.6	2.228	4	12	R846-1200-50-A1A	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.120	DIN 6537 L
12.10	.476	38.3	1.508	3	14	R846-1210-30-A1A	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	20	0.162	DIN 6537 K
12.20	.480	38.7	1.524	3	14	R846-1220-30-A1A	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.164	DIN 6537 K
12.40	.488	39.3	1.547	3	14	R846-1240-30-A1A	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.165	DIN 6537 K
12.50	.492	39.6	1.559	3	14	R846-1250-30-A1A	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.167	DIN 6537 K
12.70	.500	40.2	1.583	3	14	R846-1270-30-A1A	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.170	DIN 6537 K
12.70	.500	61.8	2.433	4	14	R846-1270-50-A1A	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.185	DIN 6537 L
12.90	.508	40.9	1.610	3	14	R846-1290-30-A1A	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.168	DIN 6537 K
13.00	.512	41.2	1.622	3	14	R846-1300-30-A1A	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.168	DIN 6537 K
13.00	.512	61.4	2.417	4	14	R846-1300-50-A1A	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	20	0.188	DIN 6537 L
13.50	.531	42.8	1.685	3	14	R846-1350-30-A1A	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.173	DIN 6537 K
13.50	.531	60.8	2.394	4	14	R846-1350-50-A1A	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.193	DIN 6537 L
13.70	.539	43.4	1.709	3	14	R846-1370-30-A1A	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.170	DIN 6537 K
13.70	.539	60.6	2.386	4	14	R846-1370-50-A1A	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.173	DIN 6537 L
14.00	.551	44.4	1.748	3	14	R846-1400-30-A1A	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	20	0.180	DIN 6537 K
14.00	.551	63.0	2.480	4	14	R846-1400-50-A1A	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	20	0.201	DIN 6537 L
14.25	.561	45.2	1.780	3	16	R846-1425-30-A1A	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.230	DIN 6537 K
14.25	.561	68.8	2.709	4	16	R846-1425-50-A1A	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.260	DIN 6537 L
14.29	.563	45.3	1.783	3	16	R846-1429-30-A1A	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.228	DIN 6537 K
14.29	.563	68.7	2.705	4	16	R846-1429-50-A1A	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.260	DIN 6537 L
14.50	.571	46.0	1.811	3	16	R846-1450-30-A1A	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.229	DIN 6537 K
14.60	.575	46.3	1.823	3	16	R846-1460-30-A1A	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.232	DIN 6537 K
15.00	.591	47.5	1.870	3	16	R846-1500-30-A1A	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.237	DIN 6537 K
15.00	.591	68.0	2.677	4	16	R846-1500-50-A1A	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.267	DIN 6537 L
15.50	.610	49.1	1.933	3	16	R846-1550-30-A1A	☆	16.00	.630	115	4.528	112.4	4.425	65	2.559	2.6	.102	140°	20	0.244	DIN 6537 K
15.50	.610	67.5	2.657	4	16	R846-1550-50-A1A	☆	16.00	.630	133	5.236	130.4	5.134	83	3.268	2.6	.102	140°	20	0.280	DIN 6537 L
15.87	.625	49.1	1.933	3	16	R846-1587-30-A1A	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	20	0.247	DIN 6537 K
15.87	.625	67.1	2.642	4	16	R846-1587-50-A1A	☆	16.00	.630	133	5.236	130.3	5.130	83	3.268	2.7	.106	140°	20	0.281	DIN 6537 L
16.00	.630	49.0	1.929	3	16	R846-1600-30-A1A	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	20	0.249	DIN 6537 K
16.00	.630	67.0	2.638	4	16	R846-1600-50-A1A	☆	16.00	.630	133	5.236	130.3	5.130	83	3.268	2.7	.106	140°	20	0.289	DIN 6537 L

CoroDrill® Delta-C solid-carbide drill

HA shank



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	N 20C	O 20C	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
4.00	.157	20.9	.823	5	6	**854.1-0400-05-A0**	☆	☆	6.00	.236	74	2.913	73.1	2.878	36	1.417	0.9	.035	130°	0.029	DIN 6537 L
4.76	.187	24.9	.980	5	6	**854.1-0476-05-A0**	☆	☆	6.00	.236	82	3.228	80.9	3.185	44	1.732	1.1	.043	130°	0.040	DIN 6537 L
5.00	.197	26.2	1.032	5	6	**854.1-0500-05-A0**	☆	☆	6.00	.236	82	3.228	80.8	3.181	44	1.732	1.2	.047	130°	0.040	DIN 6537 L
6.00	.236	31.4	1.236	5	6	**854.1-0600-05-A0**	☆	☆	6.00	.236	82	3.228	80.6	3.173	44	1.732	1.4	.055	130°	0.040	DIN 6537 L
6.35	.250	33.2	1.307	5	8	**854.1-0635-05-A0**	☆	☆	8.00	.315	91	3.583	89.5	3.524	53	2.087	1.5	.059	130°	0.050	DIN 6537 L
7.00	.276	36.6	1.441	5	8	**854.1-0700-05-A0**	☆	☆	8.00	.315	91	3.583	89.4	3.520	53	2.087	1.6	.063	130°	0.054	DIN 6537 L
7.94	.313	41.5	1.634	5	8	**854.1-0794-05-A0**	☆	☆	8.00	.315	91	3.583	89.1	3.508	53	2.087	1.9	.075	130°	0.060	DIN 6537 L
8.00	.315	41.9	1.650	5	8	**854.1-0800-05-A0**	☆	☆	8.00	.315	91	3.583	89.1	3.508	53	2.087	1.9	.075	130°	0.060	DIN 6537 L
9.00	.354	47.1	1.854	5	10	**854.1-0900-05-A0**	☆	☆	10.00	.394	103	4.055	100.9	3.972	61	2.402	2.1	.083	130°	0.095	DIN 6537 L
9.52	.375	48.6	1.913	5	10	**854.1-0952-05-A0**	☆	☆	10.00	.394	103	4.055	100.8	3.969	61	2.402	2.2	.087	130°	0.095	DIN 6537 L
11.11	.437	57.7	2.272	5	12	**854.1-1111-05-A0**	☆	☆	12.00	.472	118	4.646	115.4	4.543	71	2.795	2.6	.102	130°	0.140	DIN 6537 L
12.70	.500	61.8	2.433	4	14	**854.1-1270-05-A0**	☆	☆	14.00	.551	124	4.882	121.0	4.764	77	3.032	3.0	.118	130°	0.196	DIN 6537 L

O5 Q5 K252 Q1 Q35

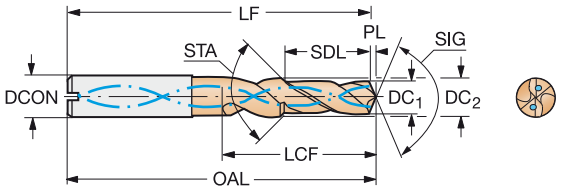
CoroDrill® 860 solid carbide step and chamfer drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC1	DC1"	DC2	DC2"	SDL	SDL"	STA	LU	LU"	CZCMS	Ordering code	P 4234	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.35	.132	4.50	.177	11.00	.433	90°	12.1	.476	6	860.2-0335-011A1-PM	☆	6.00	.236	74	2.913	73.4	2.890	22	.866	0.6	.024	143°	20	0.019	COROMANT
3.40	.134	4.60	.181	11.00	.433	90°	12.2	.480	6	860.2-0340-011A1-PM	☆	6.00	.236	74	2.913	73.4	2.890	22	.866	0.6	.024	143°	20	0.019	COROMANT
3.70	.146	5.00	.197	13.00	.511	90°	14.3	.563	6	860.2-0370-012A1-PM	☆	6.00	.236	74	2.913	73.4	2.890	24	.945	0.6	.024	143°	20	0.020	COROMANT
4.25	.167	5.70	.224	14.00	.551	90°	15.5	.610	6	860.2-0425-013A1-PM	☆	6.00	.236	74	2.913	73.3	2.886	26	1.024	0.7	.028	141°	20	0.021	COROMANT
4.30	.169	5.80	.228	14.00	.551	90°	15.5	.610	6	860.2-0430-013A1-PM	☆	6.00	.236	74	2.913	73.2	2.882	26	1.024	0.8	.031	142°	20	0.021	COROMANT
4.65	.183	5.90	.232	14.00	.551	90°	15.4	.606	6	860.2-0465-014A1-PM	☆	6.00	.236	74	2.913	73.2	2.882	27	1.063	0.8	.031	142°	20	0.022	COROMANT
5.00	.197	6.80	.268	15.00	.590	90°	16.7	.657	8	860.2-0500-015A1-PM	☆	8.00	.315	79	3.110	78.2	3.079	30	1.181	0.8	.031	142°	20	0.036	COROMANT
5.10	.201	6.90	.272	16.00	.629	90°	17.7	.697	8	860.2-0510-016A1-PM	☆	8.00	.315	79	3.110	78.2	3.079	31	1.220	0.8	.031	142°	20	0.036	COROMANT
5.30	.209	7.20	.283	16.00	.629	90°	17.8	.701	8	860.2-0530-016A1-PM	☆	8.00	.315	79	3.110	78.2	3.079	32	1.260	0.8	.031	142°	20	0.037	COROMANT
5.50	.217	7.40	.291	17.00	.669	90°	18.8	.740	8	860.2-0550-017A1-PM	☆	8.00	.315	79	3.110	78.1	3.075	33	1.299	0.9	.035	142°	20	0.038	COROMANT
5.55	.219	7.50	.295	17.00	.669	90°	18.8	.740	8	860.2-0555-017A1-PM	☆	8.00	.315	79	3.110	78.1	3.075	33	1.299	0.9	.035	142°	20	0.038	COROMANT
6.60	.260	8.90	.350	20.00	.787	90°	22.2	.874	10	860.2-0660-020A1-PM	☆	10.00	.394	89	3.504	87.9	3.461	39	1.535	1.1	.043	144°	20	0.065	COROMANT
6.75	.266	9.10	.358	21.00	.826	90°	23.3	.917	10	860.2-0675-021A1-PM	☆	10.00	.394	89	3.504	87.9	3.461	40	1.575	1.1	.043	144°	20	0.066	COROMANT
6.85	.270	9.20	.362	21.00	.826	90°	23.3	.917	10	860.2-0685-021A1-PM	☆	10.00	.394	89	3.504	87.9	3.461	40	1.575	1.1	.043	144°	20	0.066	COROMANT
6.90	.272	9.30	.366	21.00	.826	90°	23.3	.917	10	860.2-0690-021A1-PM	☆	10.00	.394	89	3.504	87.9	3.461	40	1.575	1.1	.043	144°	20	0.067	COROMANT
7.00	.276	9.50	.374	21.00	.826	90°	23.4	.921	10	860.2-0700-021A1-PM	☆	10.00	.394	89	3.504	87.9	3.461	41	1.614	1.1	.043	144°	20	0.067	COROMANT
7.25	.285	9.50	.374	22.00	.866	90°	24.3	.957	10	860.2-0725-022A1-PM	☆	10.00	.394	89	3.504	87.8	3.457	42	1.654	1.2	.047	144°	20	0.069	COROMANT
7.40	.291	9.80	.386	22.00	.866	90°	24.4	.961	10	860.2-0740-022A1-PM	☆	10.00	.394	89	3.504	87.8	3.457	42	1.654	1.2	.047	144°	20	0.070	COROMANT
8.00	.315	10.80	.425	24.00	.944	90°	26.7	1.051	12	860.2-0800-024A1-PM	☆	12.00	.472	102	4.016	100.7	3.965	46	1.811	1.3	.051	145°	20	0.107	COROMANT
8.50	.335	11.50	.453	26.00	1.023	90°	28.9	1.138	12	860.2-0850-026A1-PM	☆	12.00	.472	102	4.016	100.6	3.961	49	1.929	1.4	.055	144°	20	0.110	COROMANT
8.60	.339	11.60	.457	26.00	1.023	90°	28.9	1.138	12	860.2-0860-026A1-PM	☆	12.00	.472	102	4.016	100.6	3.961	49	1.929	1.4	.055	144°	20	0.111	COROMANT
8.70	.343	11.70	.461	26.00	1.023	90°	28.9	1.138	12	860.2-0870-026A1-PM	☆	12.00	.472	102	4.016	100.6	3.961	50	1.969	1.4	.055	144°	20	0.112	COROMANT
9.00	.354	11.80	.465	27.00	1.062	90°	29.9	1.177	12	860.2-0900-027A1-PM	☆	12.00	.472	102	4.016	100.5	3.957	51	2.008	1.5	.059	144°	20	0.115	COROMANT
9.25	.364	12.50	.492	28.00	1.102	90°	31.1	1.224	14	860.2-0925-028A1-PM	☆	14.00	.551	112	4.409	110.5	4.350	53	2.087	1.5	.059	144°	20	0.152	COROMANT
9.30	.366	12.60	.496	28.00	1.102	90°	31.2	1.228	14	860.2-0930-028A1-PM	☆	14.00	.551	112	4.409	110.5	4.350	53	2.087	1.5	.059	144°	20	0.153	COROMANT
10.25	.404	13.80	.543	31.00	1.220	90°	34.4	1.354	14	860.2-1025-031A1-PM	☆	14.00	.551	112	4.409	110.3	4.343	58	2.283	1.7	.067	144°	20	0.163	COROMANT
10.30	.406	13.80	.543	31.00	1.220	90°	34.4	1.354	14	860.2-1030-031A1-PM	☆	14.00	.551	112	4.409	110.3	4.343	58	2.283	1.7	.067	144°	20	0.164	COROMANT
10.40	.409	13.80	.543	31.00	1.220	90°	34.4	1.354	14	860.2-1040-031A1-PM	☆	14.00	.551	112	4.409	110.3	4.343	58	2.283	1.7	.067	144°	20	0.165	COROMANT
10.50	.413	13.80	.543	32.00	1.259	90°	35.4	1.394	14	860.2-1050-032A1-PM	☆	14.00	.551	112	4.409	110.3	4.343	59	2.323	1.7	.067	144°	20	0.166	COROMANT
10.80	.425	14.60	.575	33.00	1.299	90°	36.7	1.445	16	860.2-1080-033A1-PM	☆	16.00	.630	124	4.882	122.2	4.811	62	2.441	1.8	.071	144°	20	0.220	COROMANT
11.00	.433	14.90	.587	33.00	1.299	90°	36.7	1.445	16	860.2-1100-033A1-PM	☆	16.00	.630	124	4.882	122.2	4.811	62	2.441	1.8	.071	144°	20	0.223	COROMANT
11.20	.441	15.10	.594	34.00	1.338	90°	37.8	1.488	16	860.2-1120-034A1-PM	☆	16.00	.630	124	4.882	122.2	4.811	64	2.520	1.8	.071	144°	20	0.226	COROMANT
11.50	.453	15.10	.594	35.00	1.377	90°	38.7	1.524	16	860.2-1150-035A1-PM	☆	16.00	.630	124	4.882	122.1	4.807	65	2.559	1.9	.075	144°	20	0.230	COROMANT
12.00	.472	15.80	.622	37.00	1.456	90°	40.9	1.610	16	860.2-1200-036A1-PM	☆	16.00	.630	124	4.882	122.0	4.803	67	2.638	2.0	.079	144°	20	0.238	COROMANT
12.10	.476	16.30	.642	37.00	1.456	90°	41.1	1.618	18	860.2-1210-037A1-PM	☆	18.00	.709	124	4.882	122.0	4.803	69	2.717	2.0	.079	144°	20	0.275	COROMANT
12.25	.482	16.30	.642	37.00	1.456	90°	41.0	1.614	18	860.2-1225-037A1-PM	☆	18.00	.709	124	4.882	122.0	4.803	69	2.717	2.0	.079	144°	20	0.278	COROMANT
12.50	.492	16.90	.665	38.00	1.496	90°	42.2	1.661	18	860.2-1250-038A1-PM	☆	18.00	.709	124	4.882	122.0	4.803	71	2.795	2.0	.079	144°	20	0.281	COROMANT
13.50	.531	17.80	.701	41.00	1.614	90°	45.3	1.783	18	860.2-1350-041A1-PM	☆	18.00	.709	131	5.157	128.8	5.071	76	2.992	2.2	.087	144°	20	0.311	COROMANT
14.00	.551	18.90	.744	42.00	1.653	90°	46.7	1.839	20	860.2-1400-042A1-PM	☆	20.00	.787	142	5.591	139.7	5.500	78	3.071	2.3	.091	144°	20	0.390	COROMANT
14.10	.555	19.00	.748	43.00	1.692	90°	47.7	1.878	20	860.2-1410-043A1-PM	☆	20.00	.787	142	5.591	139.7	5.500	80	3.150	2.3	.091	144°	20	0.392	COROMANT
14.25	.561	19.20	.756	43.00	1.692	90°	47.8	1.882	20	860.2-1425-043A1-PM	☆	20.00	.787	142	5.591	139.7	5.500	80	3.150	2.3	.091	145°	20	0.395	COROMANT
14.50	.571	19.60	.772	44.00	1.732	90°	48.9	1.925	20	860.2-1450-044A1-PM	☆	20.00	.787	142	5.591	139.7	5.500	82	3.228	2.3	.091	145°	20	0.401	COROMANT
15.00	.591	19.60	.772	45.00	1.771	90°	49.7	1.957	20	860.2-1500-045A1-PM	☆	20.00	.787	142	5.591	139.6	5.496	83	3.268	2.4	.094	145°	20	0.412	COROMANT
15.10	.594	19.60	.772	46.00	1.811	90°	50.6	1.992	20	860.2-1510-046A1-PM	☆	20.00	.787	142	5.591	139.6	5.496	84	3.307	2.4	.094	145°	20	0.414	COROMANT
15.50	.610	19.60	.772	47.00	1.850	90°	51.5	2.028	20	860.2-1550-047A1-PM	☆	20.00	.787	142	5.591	139.5	5.492	85	3.346	2.5	.098	145°	20	0.423	COROMANT
16.50	.650	19.60	.772	50.00	1.968	90°	54.2	2.134	20	860.2-1650-050A1-PM	☆	20.00	.787	153	6.024	150.4	5.921	88	3.465	2.6	.102	145°	20	0.480	COROMANT
17.50	.689	19.60	.772	53.00	2.086	90°	56.8	2.236	20	860.2-1750-053A1-PM	☆	20.00	.787	153	6.024	150.3	5.917	91	3.583	2.7	.106	145°	20	0.508	COROMANT

O5 Q5 K208 K252 Q1 Q35

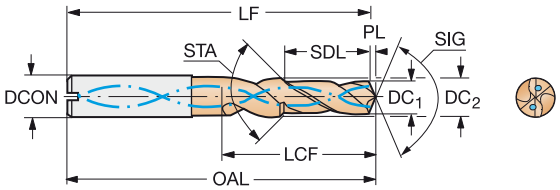
CoroDrill® 860 solid carbide step and chamfer drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC1	DC1"	DC2	DC2"	SDL	SDL"	STA	LU	LU"	CZCMS	Ordering code	M 2214	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.35	.132	4.52	.178	9.40	.370	90°	10.5	.413	6	860.2-0335-010A1-MM	☆	6.00	.236	66	2.598	65.5	2.579	17	.669	0.5	.020	140°	20	0.016	COROMANT
3.40	.134	4.59	.181	9.40	.370	90°	10.6	.417	6	860.2-0340-010A1-MM	☆	6.00	.236	66	2.598	65.4	2.575	17	.669	0.6	.024	140°	20	0.016	COROMANT
3.70	.146	5.00	.197	10.40	.409	90°	11.6	.457	6	860.2-0370-011A1-MM	☆	6.00	.236	74	2.913	73.4	2.890	19	.748	0.6	.024	140°	20	0.016	COROMANT
3.80	.150	5.13	.202	10.30	.405	90°	11.6	.457	6	860.2-0380-011A1-MM	☆	6.00	.236	74	2.913	73.4	2.890	19	.748	0.6	.024	140°	20	0.017	COROMANT
4.25	.167	5.74	.226	12.30	.484	90°	13.7	.539	6	860.2-0425-013A1-MM	☆	6.00	.236	74	2.913	73.3	2.886	22	.866	0.7	.028	140°	20	0.017	COROMANT
4.30	.169	5.81	.229	12.20	.480	90°	13.7	.539	6	860.2-0430-013A1-MM	☆	6.00	.236	74	2.913	73.3	2.886	22	.866	0.7	.028	140°	20	0.017	COROMANT
4.65	.183	6.28	.247	13.20	.519	90°	14.8	.583	8	860.2-0465-014A1-MM	☆	8.00	.315	79	3.110	78.2	3.079	24	.945	0.8	.031	140°	20	0.030	COROMANT
5.00	.197	6.75	.266	14.10	.555	90°	15.8	.622	8	860.2-0500-015A1-MM	☆	8.00	.315	79	3.110	78.2	3.079	26	1.024	0.8	.031	140°	20	0.031	COROMANT
5.10	.201	6.89	.271	14.10	.555	90°	15.8	.622	8	860.2-0510-015A1-MM	☆	8.00	.315	79	3.110	78.2	3.079	26	1.024	0.8	.031	140°	20	0.031	COROMANT
5.30	.209	7.16	.282	15.10	.594	90°	16.9	.665	8	860.2-0530-016A1-MM	☆	8.00	.315	79	3.110	78.1	3.075	28	1.102	0.9	.035	140°	20	0.032	COROMANT
5.50	.217	7.43	.293	16.00	.629	90°	17.9	.705	8	860.2-0550-017A1-MM	☆	8.00	.315	79	3.110	78.1	3.075	29	1.142	0.9	.035	140°	20	0.032	COROMANT
5.56	.219	7.51	.296	16.00	.629	90°	17.9	.705	8	860.2-0556-017A1-MM	☆	8.00	.315	79	3.110	78.1	3.075	29	1.142	0.9	.035	140°	20	0.032	COROMANT
6.60	.260	8.91	.351	18.80	.740	90°	21.1	.831	10	860.2-0660-020A1-MM	☆	10.00	.394	89	3.504	87.9	3.461	34	1.339	1.1	.043	140°	20	0.054	COROMANT
6.75	.266	9.11	.359	18.80	.740	90°	21.1	.831	10	860.2-0675-020A1-MM	☆	10.00	.394	89	3.504	87.9	3.461	35	1.378	1.1	.043	140°	20	0.054	COROMANT
6.85	.270	9.25	.364	19.80	.779	90°	22.1	.870	10	860.2-0685-021A1-MM	☆	10.00	.394	89	3.504	87.9	3.461	36	1.417	1.1	.043	140°	20	0.055	COROMANT
6.90	.272	9.32	.367	19.80	.779	90°	22.1	.870	10	860.2-0690-021A1-MM	☆	10.00	.394	89	3.504	87.9	3.461	36	1.417	1.1	.043	140°	20	0.055	COROMANT
7.00	.276	9.45	.372	19.80	.779	90°	22.1	.870	10	860.2-0700-021A1-MM	☆	10.00	.394	89	3.504	87.9	3.461	36	1.417	1.1	.043	140°	20	0.055	COROMANT
7.25	.285	9.79	.385	20.70	.814	90°	23.2	.913	10	860.2-0725-022A1-MM	☆	10.00	.394	89	3.504	87.8	3.457	38	1.496	1.2	.047	140°	20	0.056	COROMANT
7.40	.291	9.99	.393	20.70	.814	90°	23.2	.913	10	860.2-0740-022A1-MM	☆	10.00	.394	89	3.504	87.8	3.457	38	1.496	1.2	.047	140°	20	0.057	COROMANT
8.00	.315	10.80	.425	22.60	.889	90°	25.3	.996	12	860.2-0800-024A1-MM	☆	12.00	.472	102	4.016	100.7	3.965	42	1.654	1.3	.051	140°	20	0.081	COROMANT
8.50	.335	11.48	.452	24.50	.964	90°	27.4	1.079	12	860.2-0850-026A1-MM	☆	12.00	.472	102	4.016	100.6	3.961	45	1.772	1.4	.055	140°	20	0.083	COROMANT
8.60	.339	11.61	.457	24.50	.964	90°	27.4	1.079	12	860.2-0860-026A1-MM	☆	12.00	.472	102	4.016	100.6	3.961	45	1.772	1.4	.055	140°	20	0.084	COROMANT
8.70	.343	11.75	.463	24.50	.964	90°	27.4	1.079	12	860.2-0870-026A1-MM	☆	12.00	.472	102	4.016	100.6	3.961	45	1.772	1.4	.055	140°	20	0.084	COROMANT
9.00	.354	12.15	.478	25.40	1.000	90°	28.5	1.122	14	860.2-0900-027A1-MM	☆	14.00	.551	112	4.409	110.5	4.350	47	1.850	1.5	.059	140°	20	0.121	COROMANT
9.25	.364	12.49	.492	26.40	1.039	90°	29.5	1.161	14	860.2-0925-028A1-MM	☆	14.00	.551	112	4.409	110.5	4.350	48	1.890	1.5	.059	140°	20	0.122	COROMANT
9.30	.366	12.56	.494	26.40	1.039	90°	29.5	1.161	14	860.2-0930-028A1-MM	☆	14.00	.551	112	4.409	110.5	4.350	48	1.890	1.5	.059	140°	20	0.123	COROMANT
10.25	.404	13.84	.545	29.20	1.149	90°	32.7	1.287	14	860.2-1025-031A1-MM	☆	14.00	.551	112	4.409	110.3	4.343	53	2.087	1.7	.067	140°	20	0.129	COROMANT
10.30	.406	13.91	.548	29.20	1.149	90°	32.7	1.287	14	860.2-1030-031A1-MM	☆	14.00	.551	112	4.409	110.3	4.343	54	2.126	1.7	.067	140°	20	0.130	COROMANT
10.40	.409	14.04	.553	29.20	1.149	90°	32.7	1.287	16	860.2-1040-031A1-MM	☆	16.00	.630	124	4.882	122.3	4.815	54	2.126	1.7	.067	140°	20	0.174	COROMANT
10.50	.413	14.18	.558	30.20	1.188	90°	33.7	1.327	16	860.2-1050-032A1-MM	☆	16.00	.630	124	4.882	122.3	4.815	55	2.165	1.7	.067	140°	20	0.175	COROMANT
10.80	.425	14.58	.574	30.10	1.185	90°	33.8	1.331	16	860.2-1080-032A1-MM	☆	16.00	.630	124	4.882	122.2	4.811	56	2.205	1.8	.071	140°	20	0.177	COROMANT
11.00	.433	14.85	.585	31.10	1.224	90°	34.8	1.370	16	860.2-1100-033A1-MM	☆	16.00	.630	124	4.882	122.2	4.811	57	2.244	1.8	.071	140°	20	0.179	COROMANT
11.20	.441	15.12	.595	32.00	1.259	90°	35.8	1.409	16	860.2-1120-034A1-MM	☆	16.00	.630	124	4.882	122.2	4.811	59	2.323	1.8	.071	140°	20	0.181	COROMANT
11.50	.453	15.53	.611	33.00	1.299	90°	36.9	1.453	16	860.2-1150-035A1-MM	☆	16.00	.630	124	4.882	122.1	4.807	60	2.362	1.9	.075	140°	20	0.184	COROMANT
12.00	.472	16.20	.638	33.90	1.334	90°	38.0	1.496	18	860.2-1200-036A1-MM	☆	18.00	.709	131	5.157	129.0	5.079	62	2.441	2.0	.079	140°	20	0.220	COROMANT
12.10	.476	16.34	.643	33.90	1.334	90°	38.0	1.496	18	860.2-1210-036A1-MM	☆	18.00	.709	131	5.157	129.0	5.079	62	2.441	2.0	.079	140°	20	0.221	COROMANT
12.20	.480	16.47	.648	34.90	1.374	90°	39.0	1.535	18	860.2-1220-037A1-MM	☆	18.00	.709	131	5.157	129.0	5.079	64	2.520	2.0	.079	140°	20	0.222	COROMANT
12.25	.482	16.54	.651	34.90	1.374	90°	39.0	1.535	18	860.2-1225-037A1-MM	☆	18.00	.709	131	5.157	129.0	5.079	64	2.520	2.0	.079	140°	20	0.222	COROMANT
12.50	.492	16.88	.665	35.80	1.409	90°	40.0	1.575	18	860.2-1250-038A1-MM	☆	18.00	.709	131	5.157	129.0	5.079	65	2.559	2.0	.079	140°	20	0.225	COROMANT
13.50	.531	18.23	.718	38.60	1.519	90°	43.2	1.701	20	860.2-1350-041A1-MM	☆	20.00	.787	142	5.591	139.8	5.504	71	2.795	2.2	.087	140°	20	0.297	COROMANT
14.00	.551	18.90	.744	39.60	1.559	90°	44.3	1.744	20	860.2-1400-042A1-MM	☆	20.00	.787	142	5.591	139.7	5.500	73	2.874	2.3	.091	140°	20	0.304	COROMANT
14.10	.555	19.04	.750	39.50	1.555	90°	44.3	1.744	20	860.2-1410-042A1-MM	☆	20.00	.787	142	5.591	139.7	5.500	73	2.874	2.3	.091	140°	20	0.306	COROMANT
14.20	.559	19.17	.755	40.50	1.594	90°	45.3	1.783	20	860.2-1420-043A1-MM	☆	20.00	.787	142	5.591	139.7	5.500	74	2.913	2.3	.091	140°	20	0.307	COROMANT
14.25	.561	19.24	.757	40.50	1.594	90°	45.3	1.783	20	860.2-1425-043A1-MM	☆	20.00	.787	142	5.591	139.7	5.500	74	2.913	2.3	.091	140°	20	0.308	COROMANT
14.50	.571	19.58	.771	41.50	1.633	90°	46.4	1.827	20	860.2-1450-044A1-MM	☆	20.00	.787	142	5.591	139.6	5.496	76	2.992	2.4	.094	140°	20	0.311	COROMANT
15.00	.591	20.00	.787	42.50	1.673	90°	47.5	1.870	20	860.2-1500-045A1-MM	☆	20.00	.787	142	5.591	139.5	5.492	77	3.032	2.5	.098	140°	20	0.324	COROMANT
15.10	.594	20.00	.787	42.60	1.677	90°	47.5	1.870	20	860.2-1510-045A1-MM	☆	20.00	.787	142	5.591	139.5	5.492	77	3.032	2.5	.098	140°	20	0.326	COROMANT
15.50	.610	20.00	.787	44.80	1.763	90°	49.5	1.949	20	860.2-1550-047A1-MM	☆	20.00	.787	142	5.591	139.5	5.492	80	3.150	2.5	.098	140°	20	0.331	COROMANT
15.60	.614	20.00	.787	44.80	1.763	90°	49.6	1.953	20	860.2-1560-047A1-MM	☆	20.00	.787	142	5.591	139.4	5.488	80	3.150	2.6	.102	140°	20	0.333	COROMANT

O5 Q5 K208 K252 Q1 Q35

SANDVIK Coromant

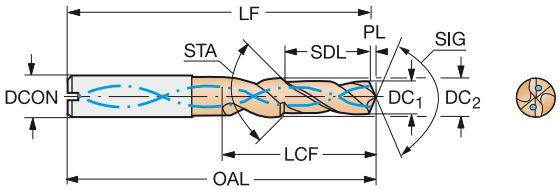
CoroDrill® 860 solid carbide step and chamfer drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC1	DC1"	DC2	DC2"	SDL	SDL"	STA	LU	LU"	CZCMS	Ordering code	M 2214	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
15.70	.618	20.00	.787	44.90	1.767	90°	49.6	1.953	20	860.2-1570-047A1-MM	☆	20.00	.787	142	5.591	139.4	5.488	80	3.150	2.6	.102	140°	20	0.334	COROMANT
16.50	.650	20.00	.787	48.30	1.901	90°	52.7	2.075	20	860.2-1650-050A1-MM	☆	20.00	.787	142	5.591	139.3	5.484	83	3.268	2.7	.106	140°	20	0.345	COROMANT
17.50	.689	20.00	.787	51.80	2.039	90°	55.9	2.201	20	860.2-1750-053A1-MM	☆	20.00	.787	142	5.591	139.1	5.476	86	3.386	2.9	.114	140°	20	0.360	COROMANT

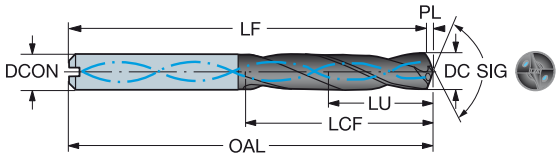
CoroDrill® 861 solid-carbide drill

HA shank

Pilot drill – Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.00	.118	9.4	.370	3	6	861.1-0300-009A1-GP	☆	☆	☆	☆	6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	150°	20	0.019	DIN 6537 K
3.18	.125	9.9	.390	3	6	861.1-0318-010A1-GP	☆	☆	☆	☆	6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	150°	20	0.019	DIN 6537 K
3.30	.130	10.3	.406	3	6	861.1-0330-010A1-GP	☆	☆	☆	☆	6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	150°	20	0.019	DIN 6537 K
3.50	.138	10.9	.429	3	6	861.1-0350-011A1-GP	☆	☆	☆	☆	6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	150°	20	0.019	DIN 6537 K
3.57	.141	11.1	.437	3	6	861.1-0357-011A1-GP	☆	☆	☆	☆	6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	150°	20	0.019	DIN 6537 K
3.80	.150	11.9	.469	3	6	861.1-0380-011A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	150°	20	0.019	DIN 6537 K
3.97	.156	12.4	.488	3	6	861.1-0397-012A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	150°	20	0.019	DIN 6537 K
4.00	.157	12.5	.492	3	6	861.1-0400-012A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	150°	20	0.020	DIN 6537 K
4.20	.165	13.1	.516	3	6	861.1-0420-013A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	150°	20	0.020	DIN 6537 K
4.36	.172	13.6	.535	3	6	861.1-0436-013A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	150°	20	0.021	DIN 6537 K
4.50	.177	14.0	.551	3	6	861.1-0450-014A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	150°	20	0.020	DIN 6537 K
4.76	.187	14.9	.587	3	6	861.1-0476-014A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	150°	20	0.021	DIN 6537 K
4.80	.189	15.0	.591	3	6	861.1-0480-014A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	150°	20	0.022	DIN 6537 K
5.00	.197	15.6	.614	3	6	861.1-0500-015A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	150°	20	0.021	DIN 6537 K
5.16	.203	16.1	.634	3	6	861.1-0516-015A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	150°	20	0.022	DIN 6537 K
5.50	.217	17.2	.677	3	6	861.1-0550-017A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	150°	20	0.023	DIN 6537 K
5.56	.219	17.3	.681	3	6	861.1-0556-017A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	150°	20	0.023	DIN 6537 K
5.80	.228	17.6	.693	3	6	861.1-0580-017A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	150°	20	0.024	DIN 6537 K
6.00	.236	18.7	.736	3	6	861.1-0600-018A1-GP	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	150°	20	0.027	DIN 6537 K
6.35	.250	19.8	.780	3	8	861.1-0635-019A1-GP	☆	☆	☆	☆	8.00	.315	79	3.110	78.2	3.079	34	1.339	0.8	.031	150°	20	0.042	DIN 6537 K
6.50	.256	20.3	.799	3	8	861.1-0650-020A1-GP	☆	☆	☆	☆	8.00	.315	79	3.110	78.2	3.079	34	1.339	0.8	.031	150°	20	0.043	DIN 6537 K
6.75	.266	21.1	.831	3	8	861.1-0675-020A1-GP	☆	☆	☆	☆	8.00	.315	79	3.110	78.2	3.079	34	1.339	0.8	.031	150°	20	0.044	DIN 6537 K
6.80	.268	21.2	.835	3	8	861.1-0680-020A1-GP	☆	☆	☆	☆	8.00	.315	79	3.110	78.2	3.079	34	1.339	0.8	.031	150°	20	0.045	DIN 6537 K
7.00	.276	21.8	.858	3	8	861.1-0700-021A1-GP	☆	☆	☆	☆	8.00	.315	79	3.110	78.2	3.079	34	1.339	0.8	.031	150°	20	0.045	DIN 6537 K
7.14	.281	22.3	.878	3	8	861.1-0714-021A1-GP	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	41	1.614	0.9	.035	150°	20	0.044	DIN 6537 K
7.50	.295	23.4	.921	3	8	861.1-0750-023A1-GP	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	41	1.614	0.9	.035	150°	20	0.046	DIN 6537 K
7.94	.313	24.8	.976	3	8	861.1-0794-024A1-GP	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	41	1.614	1.0	.039	150°	20	0.047	DIN 6537 K
8.00	.315	25.0	.984	3	8	861.1-0800-024A1-GP	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	41	1.614	1.0	.039	150°	20	0.048	DIN 6537 K
8.50	.335	26.5	1.043	3	10	861.1-0850-026A1-GP	☆	☆	☆	☆	10.00	.394	89	3.504	88.0	3.465	47	1.850	1.0	.039	150°	20	0.071	DIN 6537 K
9.00	.354	28.1	1.106	3	10	861.1-0900-027A1-GP	☆	☆	☆	☆	10.00	.394	89	3.504	87.9	3.461	47	1.850	1.1	.043	150°	20	0.073	DIN 6537 K
9.50	.374	29.6	1.165	3	10	861.1-0950-029A1-GP	☆	☆	☆	☆	10.00	.394	89	3.504	87.9	3.461	47	1.850	1.1	.043	150°	20	0.076	DIN 6537 K
9.53	.375	29.7	1.169	3	10	861.1-0953-029A1-GP	☆	☆	☆	☆	10.00	.394	89	3.504	87.9	3.461	47	1.850	1.1	.043	150°	20	0.077	DIN 6537 K
10.00	.394	31.2	1.228	3	10	861.1-1000-030A1-GP	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	150°	20	0.079	DIN 6537 K
10.50	.413	32.8	1.291	3	12	861.1-1050-032A1-GP	☆	☆	☆	☆	12.00	.472	102	4.016	100.7	3.965	55	2.165	1.3	.051	150°	20	0.115	DIN 6537 K
11.00	.433	34.3	1.350	3	12	861.1-1100-033A1-GP	☆	☆	☆	☆	12.00	.472	102	4.016	100.7	3.965	55	2.165	1.3	.051	150°	20	0.121	DIN 6537 K
11.11	.437	34.7	1.366	3	12	861.1-1111-033A1-GP	☆	☆	☆	☆	12.00	.472	102	4.016	100.7	3.965	55	2.165	1.3	.051	150°	20	0.121	DIN 6537 K
11.50	.453	35.9	1.413	3	12	861.1-1150-035A1-GP	☆	☆	☆	☆	12.00	.472	102	4.016	100.6	3.961	55	2.165	1.4	.055	150°	20	0.124	DIN 6537 K
12.00	.472	37.4	1.472	3	12	861.1-1200-036A1-GP	☆	☆	☆	☆	12.00	.472	102	4.016	100.6	3.961	55	2.165	1.4	.055	150°	20	0.129	DIN 6537 K

O5 K216 K252 Q1 Q35

SANDVIK Coromant

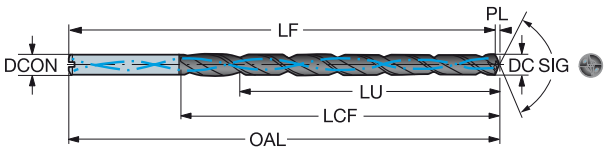
CoroDrill® 861 solid-carbide drill

HA shank

Internal coolant supply

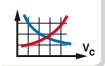


TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.00	.118	36.5	1.437	12	6	861.1-0300-036A1-GM	☆	☆	☆	☆	6.00	.236	94	3.701	93.5	3.681	52	2.047	0.5	.020	140°	20	0.027	COROMANT
3.00	.118	45.5	1.791	15	6	861.1-0300-045A1-GM	☆	☆	☆	☆	6.00	.236	96	3.780	95.5	3.760	54	2.126	0.5	.020	140°	20	0.032	COROMANT
3.00	.118	60.5	2.382	20	6	861.1-0300-060A1-GM	☆	☆	☆	☆	6.00	.236	111	4.370	110.5	4.350	69	2.717	0.5	.020	140°	20	0.033	COROMANT
3.00	.118	90.5	3.563	30	6	861.1-0300-090A1-GM	☆	☆	☆	☆	6.00	.236	141	5.551	140.5	5.532	99	3.898	0.5	.020	140°	20	0.038	COROMANT
3.10	.122	37.7	1.484	12	6	861.1-0310-037A1-GM	☆	☆	☆	☆	6.00	.236	94	3.701	93.5	3.681	52	2.047	0.5	.020	140°	20	0.023	COROMANT
3.18	.125	38.6	1.520	12	6	861.1-0318-038A1-GM	☆	☆	☆	☆	6.00	.236	94	3.701	93.5	3.681	52	2.047	0.5	.020	140°	20	0.027	COROMANT
3.18	.125	48.1	1.894	15	6	861.1-0318-048A1-GM	☆	☆	☆	☆	6.00	.236	99	3.898	98.6	3.882	57	2.244	0.5	.020	140°	20	0.033	COROMANT
3.18	.125	64.0	2.520	20	6	861.1-0318-064A1-GM	☆	☆	☆	☆	6.00	.236	115	4.528	114.5	4.508	73	2.874	0.5	.020	140°	20	0.034	COROMANT
3.18	.125	95.8	3.772	30	6	861.1-0318-095A1-GM	☆	☆	☆	☆	6.00	.236	147	5.787	146.3	5.760	105	4.134	0.5	.020	140°	20	0.038	COROMANT
3.20	.126	38.9	1.532	12	6	861.1-0320-038A1-GM	☆	☆	☆	☆	6.00	.236	94	3.701	93.5	3.681	52	2.047	0.5	.020	140°	20	0.023	COROMANT
3.30	.130	40.1	1.579	12	6	861.1-0330-040A1-GM	☆	☆	☆	☆	6.00	.236	94	3.701	93.5	3.681	52	2.047	0.5	.020	140°	20	0.025	COROMANT
3.30	.130	50.0	1.969	15	6	861.1-0330-050A1-GM	☆	☆	☆	☆	6.00	.236	101	3.976	100.9	3.972	59	2.323	0.5	.020	140°	20	0.034	COROMANT
3.30	.130	66.5	2.618	20	6	861.1-0330-066A1-GM	☆	☆	☆	☆	6.00	.236	118	4.646	117.4	4.622	76	2.992	0.5	.020	140°	20	0.035	COROMANT
3.40	.134	41.4	1.630	12	6	861.1-0340-041A1-GM	☆	☆	☆	☆	6.00	.236	94	3.701	93.4	3.677	52	2.047	0.6	.024	140°	20	0.024	COROMANT
3.50	.138	42.6	1.677	12	6	861.1-0350-042A1-GM	☆	☆	☆	☆	6.00	.236	94	3.701	93.4	3.677	52	2.047	0.6	.024	140°	20	0.024	COROMANT
3.50	.138	53.1	2.091	15	6	861.1-0350-053A1-GM	☆	☆	☆	☆	6.00	.236	105	4.134	104.4	4.110	63	2.480	0.6	.024	140°	20	0.034	COROMANT
3.50	.138	70.6	2.780	20	6	861.1-0350-070A1-GM	☆	☆	☆	☆	6.00	.236	123	4.843	121.9	4.799	81	3.189	0.6	.024	140°	20	0.035	COROMANT
3.50	.138	105.6	4.157	30	6	861.1-0350-105A1-GM	☆	☆	☆	☆	6.00	.236	158	6.220	156.9	6.177	116	4.567	0.6	.024	140°	20	0.042	COROMANT
3.57	.141	43.4	1.709	12	6	861.1-0357-043A1-GM	☆	☆	☆	☆	6.00	.236	94	3.701	93.4	3.677	52	2.047	0.6	.024	140°	20	0.025	COROMANT
3.57	.141	54.2	2.134	15	6	861.1-0357-054A1-GM	☆	☆	☆	☆	6.00	.236	106	4.173	105.7	4.161	64	2.520	0.6	.024	140°	20	0.036	COROMANT
3.57	.141	72.0	2.835	20	6	861.1-0357-071A1-GM	☆	☆	☆	☆	6.00	.236	124	4.882	123.6	4.866	82	3.228	0.6	.024	140°	20	0.039	COROMANT
3.57	.141	107.7	4.240	30	6	861.1-0357-107A1-GM	☆	☆	☆	☆	6.00	.236	160	6.299	159.3	6.272	118	4.646	0.6	.024	140°	20	0.044	COROMANT
3.70	.146	43.9	1.728	11	6	861.1-0370-044A1-GM	☆	☆	☆	☆	6.00	.236	94	3.701	93.4	3.677	52	2.047	0.6	.024	140°	20	0.025	COROMANT
3.80	.150	46.2	1.819	12	6	861.1-0380-046A1-GM	☆	☆	☆	☆	6.00	.236	109	4.291	108.4	4.268	67	2.638	0.6	.024	140°	20	0.026	COROMANT
3.80	.150	57.6	2.268	15	6	861.1-0380-057A1-GM	☆	☆	☆	☆	6.00	.236	110	4.331	109.8	4.323	68	2.677	0.6	.024	140°	20	0.036	COROMANT
3.80	.150	76.6	3.016	20	6	861.1-0380-076A1-GM	☆	☆	☆	☆	6.00	.236	129	5.079	128.8	5.071	87	3.425	0.6	.024	140°	20	0.040	COROMANT
3.97	.156	48.3	1.902	12	6	861.1-0397-048A1-GM	☆	☆	☆	☆	6.00	.236	109	4.291	108.3	4.264	67	2.638	0.7	.028	140°	20	0.030	COROMANT
3.97	.156	60.2	2.370	15	6	861.1-0397-060A1-GM	☆	☆	☆	☆	6.00	.236	113	4.449	112.8	4.441	71	2.795	0.7	.028	140°	20	0.036	COROMANT
3.97	.156	80.0	3.150	20	6	861.1-0397-079A1-GM	☆	☆	☆	☆	6.00	.236	133	5.236	132.6	5.220	91	3.583	0.7	.028	140°	20	0.041	COROMANT
3.97	.156	119.7	4.713	30	6	861.1-0397-119A1-GM	☆	☆	☆	☆	6.00	.236	173	6.811	172.3	6.783	131	5.157	0.7	.028	140°	20	0.044	COROMANT
4.00	.157	48.7	1.917	12	6	861.1-0400-048A1-GM	☆	☆	☆	☆	6.00	.236	109	4.291	108.3	4.264	67	2.638	0.7	.028	140°	20	0.030	COROMANT
4.00	.157	60.7	2.390	15	6	861.1-0400-060A1-GM	☆	☆	☆	☆	6.00	.236	114	4.488	113.3	4.461	72	2.835	0.7	.028	140°	20	0.036	COROMANT
4.00	.157	80.7	3.177	20	6	861.1-0400-080A1-GM	☆	☆	☆	☆	6.00	.236	134	5.276	133.3	5.248	92	3.622	0.7	.028	140°	20	0.041	COROMANT
4.00	.157	120.7	4.752	30	6	861.1-0400-120A1-GM	☆	☆	☆	☆	6.00	.236	174	6.850	173.3	6.823	132	5.197	0.7	.028	140°	20	0.044	COROMANT
4.10	.161	49.9	1.965	12	6	861.1-0410-049A1-GM	☆	☆	☆	☆	6.00	.236	109	4.291	108.3	4.264	67	2.638	0.7	.028	140°	20	0.027	COROMANT
4.20	.165	51.1	2.012	12	6	861.1-0420-050A1-GM	☆	☆	☆	☆	6.00	.236	109	4.291	108.3	4.264	67	2.638	0.7	.028	140°	20	0.028	COROMANT
4.20	.165	63.7	2.508	15	6	861.1-0420-063A1-GM	☆	☆	☆	☆	6.00	.236	118	4.646	116.9	4.602	76	2.992	0.7	.028	140°	20	0.041	COROMANT
4.20	.165	84.7	3.335	20	6	861.1-0420-084A1-GM	☆	☆	☆	☆	6.00	.236	139	5.472	137.9	5.429	97	3.819	0.7	.028	140°	20	0.042	COROMANT
4.30	.169	52.3	2.059	12	6	861.1-0430-052A1-GM	☆	☆	☆	☆	6.00	.236	109	4.291	108.3	4.264	67	2.638	0.7	.028	140°	20	0.028	COROMANT
4.37	.172	53.1	2.091	12	6	861.1-0437-052A1-GM	☆	☆	☆	☆	6.00	.236	109	4.291	108.3	4.264	67	2.638	0.7	.028	140°	20	0.031	COROMANT
4.37	.172	66.2	2.606	15	6	861.1-0437-065A1-GM	☆	☆	☆	☆	6.00	.236	121	4.764	119.9	4.720	79	3.110	0.7	.028	140°	20	0.038	COROMANT
4.37	.172	88.0	3.465	20	6	861.1-0437-087A1-GM	☆	☆	☆	☆	6.00	.236	142	5.591	141.7	5.579	100	3.937	0.7	.028	140°	20	0.043	COROMANT
4.37	.172	131.7	5.185	30	6	861.1-0437-131A1-GM	☆	☆	☆	☆	6.00	.236	186	7.323	185.4	7.299	144	5.669	0.7	.028	140°	20	0.058	COROMANT
4.50	.177	54.7	2.154	12	6	861.1-0450-054A1-GM	☆	☆	☆	☆	6.00	.236	109	4.291	108.3	4.264	67	2.638	0.7	.028	140°	20	0.029	COROMANT
4.50	.177	68.2	2.685	15	6	861.1-0450-068A1-GM	☆	☆	☆	☆	6.00	.236	123	4.843	122.3	4.815	81	3.189	0.7	.028	140°	20	0.040	COROMANT
4.50	.177	90.7	3.571	20	6	861.1-0450-090A1-GM	☆	☆	☆	☆	6.00	.236	146	5.748	144.8	5.701	104	4.094	0.7	.028	140°	20	0.045	COROMANT
4.50	.177	135.7	5.343	30	6	861.1-0450-135A1-GM	☆	☆	☆	☆	6.00	.236	191	7.520	189.8	7.472	149	5.866	0.7	.028	140°	20	0.058	COROMANT
4.60	.181	56.0	2.205	12	6	861.1-0460-055A1-GM	☆	☆	☆	☆	6.00	.236	109	4.291	108.2	4.260	67	2.638	0.8	.031	140°	20	0.029	COROMANT

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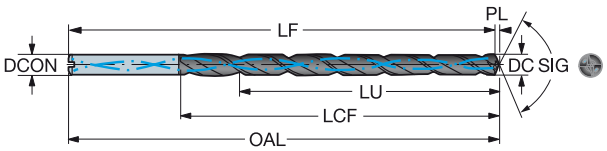
CoroDrill® 861 solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
4.76	.187	57.9	2.280	12	6	861.1-0476-057A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.2	5.008	86	3.386	0.8	.031	140°	20	0.030	COROMANT
4.76	.187	72.2	2.843	15	6	861.1-0476-071A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	126.9	4.996	86	3.386	0.8	.031	140°	20	0.043	COROMANT
4.76	.187	96.0	3.780	20	6	861.1-0476-095A1-GM	☆	☆	☆	☆	6.00	.236	152	5.984	150.7	5.933	110	4.331	0.8	.031	140°	20	0.046	COROMANT
4.76	.187	143.6	5.654	30	6	861.1-0476-143A1-GM	☆	☆	☆	☆	6.00	.236	199	7.835	198.4	7.811	157	6.181	0.8	.031	140°	20	0.058	COROMANT
4.80	.189	58.4	2.299	12	6	861.1-0480-058A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.2	5.008	86	3.386	0.8	.031	140°	20	0.030	COROMANT
4.80	.189	72.8	2.866	15	6	861.1-0480-072A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.6	5.024	86	3.386	0.8	.031	140°	20	0.043	COROMANT
4.80	.189	96.8	3.811	20	6	861.1-0480-096A1-GM	☆	☆	☆	☆	6.00	.236	152	5.984	151.6	5.969	110	4.331	0.8	.031	140°	20	0.046	COROMANT
5.00	.197	60.8	2.394	12	6	861.1-0500-060A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.2	5.008	86	3.386	0.8	.031	140°	20	0.043	COROMANT
5.00	.197	75.8	2.984	15	6	861.1-0500-075A1-GM	☆	☆	☆	☆	6.00	.236	132	5.197	131.2	5.165	90	3.543	0.8	.031	140°	20	0.045	COROMANT
5.00	.197	100.8	3.969	20	6	861.1-0500-100A1-GM	☆	☆	☆	☆	6.00	.236	157	6.181	156.2	6.150	115	4.528	0.8	.031	140°	20	0.048	COROMANT
5.00	.197	150.8	5.937	30	6	861.1-0500-150A1-GM	☆	☆	☆	☆	6.00	.236	207	8.150	206.2	8.118	165	6.496	0.8	.031	140°	20	0.060	COROMANT
5.10	.201	62.0	2.441	12	6	861.1-0510-061A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.2	5.008	86	3.386	0.8	.031	140°	20	0.031	COROMANT
5.16	.203	62.8	2.472	12	6	861.1-0516-062A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.2	5.008	86	3.386	0.8	.031	140°	20	0.032	COROMANT
5.16	.203	78.2	3.079	15	6	861.1-0516-077A1-GM	☆	☆	☆	☆	6.00	.236	135	5.315	134.0	5.276	93	3.661	0.8	.031	140°	20	0.049	COROMANT
5.16	.203	104.0	4.094	20	6	861.1-0516-103A1-GM	☆	☆	☆	☆	6.00	.236	161	6.339	159.8	6.291	119	4.685	0.8	.031	140°	20	0.055	COROMANT
5.16	.203	155.6	6.126	30	6	861.1-0516-155A1-GM	☆	☆	☆	☆	6.00	.236	212	8.346	211.4	8.323	170	6.693	0.8	.031	140°	20	0.066	COROMANT
5.20	.205	63.3	2.492	12	6	861.1-0520-062A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.1	5.004	86	3.386	0.9	.035	140°	20	0.031	COROMANT
5.50	.217	66.9	2.634	12	6	861.1-0550-066A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.1	5.004	86	3.386	0.9	.035	140°	20	0.045	COROMANT
5.50	.217	83.4	3.283	15	6	861.1-0550-083A1-GM	☆	☆	☆	☆	6.00	.236	141	5.551	140.1	5.516	99	3.898	0.9	.035	140°	20	0.049	COROMANT
5.50	.217	110.9	4.366	20	6	861.1-0550-110A1-GM	☆	☆	☆	☆	6.00	.236	169	6.654	167.6	6.598	127	5.000	0.9	.035	140°	20	0.055	COROMANT
5.50	.217	165.9	6.532	30	6	861.1-0550-165A1-GM	☆	☆	☆	☆	6.00	.236	224	8.819	222.6	8.764	182	7.165	0.9	.035	140°	20	0.066	COROMANT
5.56	.219	67.6	2.661	12	6	861.1-0556-067A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.1	5.004	86	3.386	0.9	.035	140°	20	0.034	COROMANT
5.56	.219	84.3	3.319	15	6	861.1-0556-083A1-GM	☆	☆	☆	☆	6.00	.236	142	5.591	141.1	5.555	100	3.937	0.9	.035	140°	20	0.049	COROMANT
5.56	.219	112.0	4.409	20	6	861.1-0556-111A1-GM	☆	☆	☆	☆	6.00	.236	170	6.693	168.9	6.650	128	5.039	0.9	.035	140°	20	0.055	COROMANT
5.56	.219	167.6	6.598	30	6	861.1-0556-167A1-GM	☆	☆	☆	☆	6.00	.236	225	8.858	224.4	8.835	183	7.205	0.9	.035	140°	20	0.069	COROMANT
5.80	.228	70.6	2.780	12	6	861.1-0580-070A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.0	5.000	86	3.386	1.0	.039	140°	20	0.036	COROMANT
5.80	.228	88.0	3.465	15	6	861.1-0580-087A1-GM	☆	☆	☆	☆	6.00	.236	146	5.748	145.4	5.724	104	4.094	1.0	.039	140°	20	0.053	COROMANT
5.80	.228	117.0	4.606	20	6	861.1-0580-116A1-GM	☆	☆	☆	☆	6.00	.236	175	6.890	174.4	6.866	133	5.236	1.0	.039	140°	20	0.059	COROMANT
5.95	.234	72.4	2.850	12	6	861.1-0595-071A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.0	5.000	86	3.386	1.0	.039	140°	20	0.036	COROMANT
6.00	.236	73.0	2.874	12	6	861.1-0600-072A1-GM	☆	☆	☆	☆	6.00	.236	128	5.039	127.0	5.000	86	3.386	1.0	.039	140°	20	0.049	COROMANT
6.00	.236	91.0	3.583	15	6	861.1-0600-090A1-GM	☆	☆	☆	☆	6.00	.236	150	5.906	149.0	5.866	108	4.252	1.0	.039	140°	20	0.054	COROMANT
6.00	.236	121.0	4.764	20	6	861.1-0600-120A1-GM	☆	☆	☆	☆	6.00	.236	180	7.087	179.0	7.047	138	5.433	1.0	.039	140°	20	0.062	COROMANT
6.00	.236	181.0	7.126	30	6	861.1-0600-180A1-GM	☆	☆	☆	☆	6.00	.236	240	9.449	239.0	9.409	198	7.795	1.0	.039	140°	20	0.077	COROMANT
6.10	.240	74.2	2.921	12	8	861.1-0610-073A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	157.0	6.181	116	4.567	1.0	.039	140°	20	0.053	COROMANT
6.20	.244	75.4	2.969	12	8	861.1-0620-074A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	157.0	6.181	116	4.567	1.0	.039	140°	20	0.053	COROMANT
6.30	.248	76.6	3.016	12	8	861.1-0630-076A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	157.0	6.181	116	4.567	1.0	.039	140°	20	0.056	COROMANT
6.35	.250	77.2	3.039	12	8	861.1-0635-076A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	157.0	6.181	116	4.567	1.0	.039	140°	20	0.056	COROMANT
6.35	.250	96.3	3.791	15	8	861.1-0635-095A1-GM	☆	☆	☆	☆	8.00	.315	156	6.142	155.3	6.114	114	4.488	1.0	.039	140°	20	0.067	COROMANT
6.35	.250	128.0	5.039	20	8	861.1-0635-127A1-GM	☆	☆	☆	☆	8.00	.315	188	7.402	187.0	7.362	146	5.748	1.0	.039	140°	20	0.080	COROMANT
6.35	.250	191.5	7.539	30	8	861.1-0635-191A1-GM	☆	☆	☆	☆	8.00	.315	252	9.921	250.5	9.862	210	8.268	1.0	.039	140°	20	0.091	COROMANT
6.50	.256	79.1	3.114	12	8	861.1-0650-078A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.9	6.177	116	4.567	1.1	.043	140°	20	0.055	COROMANT
6.50	.256	98.6	3.882	15	8	861.1-0650-098A1-GM	☆	☆	☆	☆	8.00	.315	159	6.260	157.9	6.217	117	4.606	1.1	.043	140°	20	0.068	COROMANT
6.50	.256	131.1	5.161	20	8	861.1-0650-130A1-GM	☆	☆	☆	☆	8.00	.315	192	7.559	190.4	7.496	150	5.906	1.1	.043	140°	20	0.080	COROMANT
6.50	.256	196.1	7.720	30	8	861.1-0650-195A1-GM	☆	☆	☆	☆	8.00	.315	257	10.118	255.4	10.055	215	8.465	1.1	.043	140°	20	0.093	COROMANT
6.60	.260	80.3	3.161	12	8	861.1-0660-079A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.9	6.177	116	4.567	1.1	.043	140°	20	0.056	COROMANT
6.70	.264	81.5	3.209	12	8	861.1-0670-080A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.9	6.177	116	4.567	1.1	.043	140°	20	0.056	COROMANT

O5 K216 K252 Q1 Q35

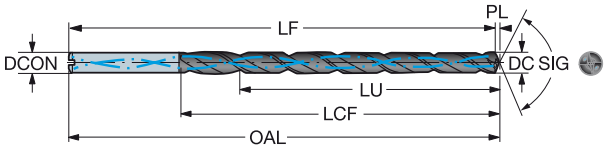
CoroDrill® 861 solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
6.75	.266	82.1	3.232	12	8	861.1-0675-081A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.9	6.177	116	4.567	1.1	.043	140°	20	0.059	COROMANT
6.75	.266	102.3	4.028	15	8	861.1-0675-101A1-GM	☆	☆	☆	☆	8.00	.315	163	6.417	162.3	6.390	121	4.764	1.1	.043	140°	20	0.073	COROMANT
6.75	.266	136.0	5.354	20	8	861.1-0675-135A1-GM	☆	☆	☆	☆	8.00	.315	197	7.756	196.1	7.720	155	6.102	1.1	.043	140°	20	0.085	COROMANT
6.75	.266	203.5	8.012	30	8	861.1-0675-202A1-GM	☆	☆	☆	☆	8.00	.315	265	10.433	263.5	10.374	223	8.780	1.1	.043	140°	20	0.107	COROMANT
6.80	.268	82.7	3.256	12	8	861.1-0680-082A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.9	6.177	116	4.567	1.1	.043	140°	20	0.059	COROMANT
6.80	.268	103.1	4.059	15	8	861.1-0680-102A1-GM	☆	☆	☆	☆	8.00	.315	164	6.457	163.3	6.429	122	4.803	1.1	.043	140°	20	0.073	COROMANT
6.80	.268	137.1	5.398	20	8	861.1-0680-136A1-GM	☆	☆	☆	☆	8.00	.315	198	7.795	197.3	7.768	156	6.142	1.1	.043	140°	20	0.085	COROMANT
6.90	.272	83.9	3.303	12	8	861.1-0690-083A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.9	6.177	116	4.567	1.1	.043	140°	20	0.060	COROMANT
7.00	.276	85.1	3.350	12	8	861.1-0700-084A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.9	6.177	116	4.567	1.1	.043	140°	20	0.062	COROMANT
7.00	.276	106.1	4.177	15	8	861.1-0700-105A1-GM	☆	☆	☆	☆	8.00	.315	168	6.614	166.9	6.571	126	4.961	1.1	.043	140°	20	0.076	COROMANT
7.00	.276	141.1	5.555	20	8	861.1-0700-140A1-GM	☆	☆	☆	☆	8.00	.315	203	7.992	201.9	7.949	161	6.339	1.1	.043	140°	20	0.089	COROMANT
7.00	.276	211.1	8.311	30	8	861.1-0700-210A1-GM	☆	☆	☆	☆	8.00	.315	273	10.748	271.9	10.705	231	9.094	1.1	.043	140°	20	0.117	COROMANT
7.14	.281	86.9	3.421	12	8	861.1-0714-086A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.8	6.173	116	4.567	1.2	.047	140°	20	0.077	COROMANT
7.14	.281	108.3	4.264	15	8	861.1-0714-107A1-GM	☆	☆	☆	☆	8.00	.315	171	6.732	169.4	6.669	129	5.079	1.2	.047	140°	20	0.080	COROMANT
7.14	.281	144.1	5.673	20	8	861.1-0714-143A1-GM	☆	☆	☆	☆	8.00	.315	206	8.110	205.1	8.075	164	6.457	1.2	.047	140°	20	0.095	COROMANT
7.14	.281	215.5	8.484	30	8	861.1-0714-214A1-GM	☆	☆	☆	☆	8.00	.315	278	10.945	276.6	10.890	236	9.291	1.2	.047	140°	20	0.119	COROMANT
7.40	.291	90.0	3.543	12	8	861.1-0740-089A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.8	6.173	116	4.567	1.2	.047	140°	20	0.066	COROMANT
7.50	.295	91.2	3.591	12	8	861.1-0750-090A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.8	6.173	116	4.567	1.2	.047	140°	20	0.072	COROMANT
7.50	.295	113.7	4.476	15	8	861.1-0750-113A1-GM	☆	☆	☆	☆	8.00	.315	177	6.969	175.8	6.921	135	5.315	1.2	.047	140°	20	0.085	COROMANT
7.50	.295	151.2	5.953	20	8	861.1-0750-150A1-GM	☆	☆	☆	☆	8.00	.315	215	8.465	213.3	8.398	173	6.811	1.2	.047	140°	20	0.101	COROMANT
7.50	.295	226.2	8.906	30	8	861.1-0750-225A1-GM	☆	☆	☆	☆	8.00	.315	290	11.417	288.3	11.350	248	9.764	1.2	.047	140°	20	0.128	COROMANT
7.54	.297	91.7	3.610	12	8	861.1-0754-090A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.8	6.173	116	4.567	1.2	.047	140°	20	0.067	COROMANT
7.60	.299	92.4	3.638	12	8	861.1-0760-091A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.8	6.173	116	4.567	1.2	.047	140°	20	0.073	COROMANT
7.70	.303	93.7	3.689	12	8	861.1-0770-092A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.7	6.169	116	4.567	1.3	.051	140°	20	0.070	COROMANT
7.80	.307	94.9	3.736	12	8	861.1-0780-094A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.7	6.169	116	4.567	1.3	.051	140°	20	0.075	COROMANT
7.94	.313	96.6	3.803	12	8	861.1-0794-095A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.7	6.169	116	4.567	1.3	.051	140°	20	0.073	COROMANT
7.94	.313	120.4	4.740	15	8	861.1-0794-119A1-GM	☆	☆	☆	☆	8.00	.315	185	7.283	183.6	7.228	143	5.630	1.3	.051	140°	20	0.093	COROMANT
7.94	.313	160.1	6.303	20	8	861.1-0794-159A1-GM	☆	☆	☆	☆	8.00	.315	225	8.858	223.3	8.791	183	7.205	1.3	.051	140°	20	0.112	COROMANT
7.94	.313	239.4	9.425	30	8	861.1-0794-238A1-GM	☆	☆	☆	☆	8.00	.315	304	11.969	302.7	11.917	262	10.315	1.3	.051	140°	20	0.144	COROMANT
8.00	.315	97.3	3.831	12	8	861.1-0800-096A1-GM	☆	☆	☆	☆	8.00	.315	158	6.220	156.7	6.169	116	4.567	1.3	.051	140°	20	0.073	COROMANT
8.00	.315	121.3	4.776	15	8	861.1-0800-120A1-GM	☆	☆	☆	☆	8.00	.315	186	7.323	184.7	7.272	144	5.669	1.3	.051	140°	20	0.100	COROMANT
8.00	.315	161.3	6.350	20	8	861.1-0800-160A1-GM	☆	☆	☆	☆	8.00	.315	226	8.898	224.7	8.846	184	7.244	1.3	.051	140°	20	0.111	COROMANT
8.00	.315	241.3	9.500	30	8	861.1-0800-240A1-GM	☆	☆	☆	☆	8.00	.315	306	12.047	304.7	11.996	264	10.394	1.3	.051	140°	20	0.145	COROMANT
8.10	.319	98.5	3.878	12	10	861.1-0810-097A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.7	7.508	146	5.748	1.3	.051	140°	20	0.105	COROMANT
8.20	.323	99.7	3.925	12	10	861.1-0820-098A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.7	7.508	146	5.748	1.3	.051	140°	20	0.107	COROMANT
8.33	.328	101.4	3.992	12	10	861.1-0833-100A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.6	7.504	146	5.748	1.4	.055	140°	20	0.106	COROMANT
8.40	.331	102.2	4.024	12	10	861.1-0840-101A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.6	7.504	146	5.748	1.4	.055	140°	20	0.109	COROMANT
8.50	.335	103.4	4.071	12	10	861.1-0850-102A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.6	7.504	146	5.748	1.4	.055	140°	20	0.109	COROMANT
8.50	.335	128.9	5.075	15	10	861.1-0850-128A1-GM	☆	☆	☆	☆	10.00	.394	199	7.835	197.6	7.780	153	6.024	1.4	.055	140°	20	0.130	COROMANT
8.50	.335	171.4	6.748	20	10	861.1-0850-170A1-GM	☆	☆	☆	☆	10.00	.394	242	9.528	240.1	9.453	196	7.717	1.4	.055	140°	20	0.159	COROMANT
8.60	.339	104.6	4.118	12	10	861.1-0860-103A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.6	7.504	146	5.748	1.4	.055	140°	20	0.110	COROMANT
8.70	.343	105.8	4.165	12	10	861.1-0870-104A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.6	7.504	146	5.748	1.4	.055	140°	20	0.113	COROMANT
8.73	.344	106.2	4.181	12	10	861.1-0873-105A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.6	7.504	146	5.748	1.4	.055	140°	20	0.112	COROMANT
8.80	.346	107.0	4.213	12	10	861.1-0880-106A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.6	7.504	146	5.748	1.4	.055	140°	20	0.114	COROMANT
9.00	.354	109.5	4.311	12	10	861.1-0900-108A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.5	7.500	146	5.748	1.5	.059	140°	20	0.118	COROMANT
9.00	.354	136.5	5.374	15	10	861.1-0900-135A1-GM	☆	☆	☆	☆	10.00	.394	208	8.189	206.5	8.130	162	6.378	1.5	.059	140°	20	0.141	COROMANT
9.00	.354	181.5	7.146	20	10	861.1-0900-180A1-GM	☆	☆	☆	☆	10.00	.394	253	9.961	251.5	9.902	207	8.150	1.5	.059	140°	20	0.117	COROMANT

O5 K216 K252 Q1 Q35

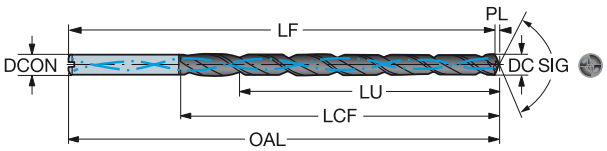
CoroDrill® 861 solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
9.13	.359	111.0	4.370	12	10	861.1-0913-110A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.5	7.500	146	5.748	1.5	.059	140°	20	0.118	COROMANT
9.30	.366	113.1	4.453	12	10	861.1-0930-112A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.5	7.500	146	5.748	1.5	.059	140°	20	0.122	COROMANT
9.50	.374	115.6	4.551	12	10	861.1-0950-114A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.4	7.496	146	5.748	1.6	.063	140°	20	0.123	COROMANT
9.50	.374	144.1	5.673	15	10	861.1-0950-143A1-GM	☆	☆	☆	☆	10.00	.394	217	8.543	215.4	8.480	171	6.732	1.6	.063	140°	20	0.163	COROMANT
9.50	.374	191.6	7.543	20	10	861.1-0950-190A1-GM	☆	☆	☆	☆	10.00	.394	265	10.433	262.9	10.350	219	8.622	1.6	.063	140°	20	0.189	COROMANT
9.53	.375	115.9	4.563	12	10	861.1-0953-114A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.4	7.496	146	5.748	1.6	.063	140°	20	0.124	COROMANT
9.53	.375	144.4	5.685	15	10	861.1-0953-143A1-GM	☆	☆	☆	☆	10.00	.394	217	8.543	215.9	8.500	171	6.732	1.6	.063	140°	20	0.164	COROMANT
9.53	.375	192.1	7.563	20	10	861.1-0953-191A1-GM	☆	☆	☆	☆	10.00	.394	265	10.433	263.5	10.374	219	8.622	1.6	.063	140°	20	0.185	COROMANT
9.80	.386	119.2	4.693	12	10	861.1-0980-118A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.4	7.496	146	5.748	1.6	.063	140°	20	0.127	COROMANT
9.92	.391	120.7	4.752	12	10	861.1-0992-119A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.4	7.496	146	5.748	1.6	.063	140°	20	0.130	COROMANT
10.00	.394	121.6	4.787	12	10	861.1-1000-120A1-GM	☆	☆	☆	☆	10.00	.394	192	7.559	190.4	7.496	146	5.748	1.6	.063	140°	20	0.135	COROMANT
10.00	.394	151.6	5.969	15	10	861.1-1000-150A1-GM	☆	☆	☆	☆	10.00	.394	226	8.898	224.4	8.835	180	7.087	1.6	.063	140°	20	0.176	COROMANT
10.00	.394	201.6	7.937	20	10	861.1-1000-200A1-GM	☆	☆	☆	☆	10.00	.394	276	10.866	274.4	10.803	230	9.055	1.6	.063	140°	20	0.204	COROMANT
10.20	.402	124.1	4.886	12	12	861.1-1020-122A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.3	8.909	176	6.929	1.7	.067	140°	20	0.174	COROMANT
10.30	.406	125.3	4.933	12	12	861.1-1030-124A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.3	8.909	176	6.929	1.7	.067	140°	20	0.178	COROMANT
10.32	.406	125.5	4.941	12	12	861.1-1032-124A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.3	8.909	176	6.929	1.7	.067	140°	20	0.175	COROMANT
10.40	.409	126.5	4.980	12	12	861.1-1040-125A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.3	8.909	176	6.929	1.7	.067	140°	20	0.176	COROMANT
10.50	.413	127.7	5.028	12	12	861.1-1050-126A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.3	8.909	176	6.929	1.7	.067	140°	20	0.179	COROMANT
10.50	.413	159.2	6.268	15	12	861.1-1050-158A1-GM	☆	☆	☆	☆	12.00	.472	240	9.449	238.3	9.382	189	7.441	1.7	.067	140°	20	0.214	COROMANT
10.50	.413	211.7	8.335	20	12	861.1-1050-210A1-GM	☆	☆	☆	☆	12.00	.472	293	11.535	290.8	11.449	242	9.528	1.7	.067	140°	20	0.240	COROMANT
10.72	.422	130.3	5.130	12	12	861.1-1072-129A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.2	8.906	176	6.929	1.8	.071	140°	20	0.186	COROMANT
11.00	.433	133.8	5.268	12	12	861.1-1100-132A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.2	8.906	176	6.929	1.8	.071	140°	20	0.190	COROMANT
11.00	.433	166.8	6.567	15	12	861.1-1100-165A1-GM	☆	☆	☆	☆	12.00	.472	249	9.803	247.2	9.732	198	7.795	1.8	.071	140°	20	0.231	COROMANT
11.00	.433	221.8	8.732	20	12	861.1-1100-220A1-GM	☆	☆	☆	☆	12.00	.472	304	11.969	302.2	11.898	253	9.961	1.8	.071	140°	20	0.266	COROMANT
11.11	.437	135.2	5.323	12	12	861.1-1111-133A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.2	8.906	176	6.929	1.8	.071	140°	20	0.191	COROMANT
11.11	.437	168.5	6.634	15	12	861.1-1111-167A1-GM	☆	☆	☆	☆	12.00	.472	251	9.882	249.2	9.811	200	7.874	1.8	.071	140°	20	0.230	COROMANT
11.11	.437	224.1	8.823	20	12	861.1-1111-222A1-GM	☆	☆	☆	☆	12.00	.472	307	12.087	304.8	12.000	256	10.079	1.8	.071	140°	20	0.270	COROMANT
11.20	.441	136.2	5.362	12	12	861.1-1120-134A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.2	8.906	176	6.929	1.8	.071	140°	20	0.191	COROMANT
11.50	.453	139.9	5.508	12	12	861.1-1150-138A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.1	8.902	176	6.929	1.9	.075	140°	20	0.202	COROMANT
11.50	.453	174.4	6.866	15	12	861.1-1150-173A1-GM	☆	☆	☆	☆	12.00	.472	258	10.158	256.1	10.083	207	8.150	1.9	.075	140°	20	0.240	COROMANT
11.50	.453	231.9	9.130	20	12	861.1-1150-230A1-GM	☆	☆	☆	☆	12.00	.472	316	12.441	313.6	12.347	265	10.433	1.9	.075	140°	20	0.290	COROMANT
11.51	.453	140.0	5.512	12	12	861.1-1151-138A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.1	8.902	176	6.929	1.9	.075	140°	20	0.195	COROMANT
11.80	.465	143.5	5.650	12	12	861.1-1180-142A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.1	8.902	176	6.929	1.9	.075	140°	20	0.210	COROMANT
11.91	.469	144.8	5.701	12	12	861.1-1191-143A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.0	8.898	176	6.929	2.0	.079	140°	20	0.212	COROMANT
12.00	.472	146.0	5.748	12	12	861.1-1200-144A1-GM	☆	☆	☆	☆	12.00	.472	228	8.976	226.0	8.898	176	6.929	2.0	.079	140°	20	0.220	COROMANT
12.00	.472	182.0	7.165	15	12	861.1-1200-180A1-GM	☆	☆	☆	☆	12.00	.472	267	10.512	265.0	10.433	216	8.504	2.0	.079	140°	20	0.269	COROMANT
12.00	.472	242.0	9.528	20	12	861.1-1200-240A1-GM	☆	☆	☆	☆	12.00	.472	327	12.874	325.0	12.795	276	10.866	2.0	.079	140°	20	0.311	COROMANT

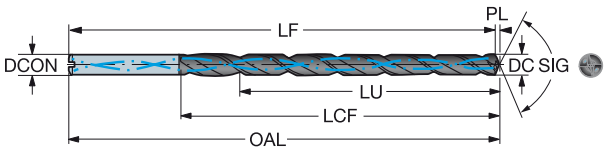
CoroDrill® 861 solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
12.30	.484	149.7	5.894	12	14	861.1-1230-148A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	256.0	10.079	207	8.150	2.0	.079	140°	20	0.259	COROMANT
12.50	.492	152.0	5.984	12	14	861.1-1250-150A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	256.0	10.079	207	8.150	2.0	.079	140°	20	0.269	COROMANT
12.70	.500	154.5	6.083	12	14	861.1-1270-152A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	255.9	10.075	207	8.150	2.1	.083	140°	20	0.274	COROMANT
12.80	.504	155.7	6.130	12	14	861.1-1280-154A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	255.9	10.075	207	8.150	2.1	.083	140°	20	0.274	COROMANT
13.00	.512	158.1	6.224	12	14	861.1-1300-156A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	255.9	10.075	207	8.150	2.1	.083	140°	20	0.279	COROMANT
13.10	.516	159.3	6.272	12	14	861.1-1310-157A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	255.9	10.075	207	8.150	2.1	.083	140°	20	0.303	COROMANT
13.49	.531	164.1	6.461	12	14	861.1-1349-162A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	255.8	10.071	207	8.150	2.2	.087	140°	20	0.316	COROMANT
13.50	.531	164.2	6.465	12	14	861.1-1350-162A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	255.8	10.071	207	8.150	2.2	.087	140°	20	0.301	COROMANT
13.89	.547	169.0	6.654	12	14	861.1-1389-167A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	255.7	10.067	207	8.150	2.3	.091	140°	20	0.332	COROMANT
14.00	.551	170.3	6.705	12	14	861.1-1400-168A1-GM	☆	☆	☆	☆	14.00	.551	258	10.158	255.7	10.067	207	8.150	2.3	.091	140°	20	0.330	COROMANT
14.50	.571	176.4	6.945	12	16	861.1-1450-174A1-GM	☆	☆	☆	☆	16.00	.630	291	11.457	288.6	11.362	236	9.291	2.4	.094	140°	20	0.400	COROMANT
15.00	.591	182.5	7.185	12	16	861.1-1500-180A1-GM	☆	☆	☆	☆	16.00	.630	291	11.457	288.5	11.358	236	9.291	2.5	.098	140°	20	0.405	COROMANT
15.50	.610	188.5	7.421	12	16	861.1-1550-186A1-GM	☆	☆	☆	☆	16.00	.630	291	11.457	288.5	11.358	236	9.291	2.5	.098	140°	20	0.441	COROMANT
15.88	.625	193.1	7.602	12	16	861.1-1588-191A1-GM	☆	☆	☆	☆	16.00	.630	291	11.457	288.4	11.354	236	9.291	2.6	.102	140°	20	0.404	COROMANT
16.00	.630	194.6	7.661	12	16	861.1-1600-192A1-GM	☆	☆	☆	☆	16.00	.630	291	11.457	288.4	11.354	236	9.291	2.6	.102	140°	20	0.445	COROMANT
16.50	.650	200.7	7.902	12	18	861.1-1650-198A1-GM	☆	☆	☆	☆	18.00	.709	318	12.520	315.3	12.413	266	10.472	2.7	.106	140°	20	0.550	COROMANT
17.00	.669	206.8	8.142	12	18	861.1-1700-204A1-GM	☆	☆	☆	☆	18.00	.709	318	12.520	315.2	12.409	266	10.472	2.8	.110	140°	20	0.567	COROMANT
17.50	.689	212.9	8.382	12	18	861.1-1750-210A1-GM	☆	☆	☆	☆	18.00	.709	318	12.520	315.1	12.406	266	10.472	2.9	.114	140°	20	0.586	COROMANT
18.00	.709	218.9	8.618	12	18	861.1-1800-216A1-GM	☆	☆	☆	☆	18.00	.709	318	12.520	315.1	12.406	266	10.472	2.9	.114	140°	20	0.624	COROMANT
18.50	.728	225.0	8.858	12	20	861.1-1850-222A1-GM	☆	☆	☆	☆	20.00	.787	349	13.740	346.0	13.622	295	11.614	3.0	.118	140°	20	0.769	COROMANT
19.00	.748	231.1	9.098	12	20	861.1-1900-228A1-GM	☆	☆	☆	☆	20.00	.787	349	13.740	345.9	13.618	295	11.614	3.1	.122	140°	20	0.805	COROMANT
19.50	.768	237.2	9.339	12	20	861.1-1950-234A1-GM	☆	☆	☆	☆	20.00	.787	349	13.740	345.8	13.614	295	11.614	3.2	.126	140°	20	0.831	COROMANT
20.00	.787	243.3	9.579	12	20	861.1-2000-240A1-GM	☆	☆	☆	☆	20.00	.787	349	13.740	345.7	13.610	295	11.614	3.3	.130	140°	20	0.869	COROMANT

 O5

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 K252

 Q1

 Q35

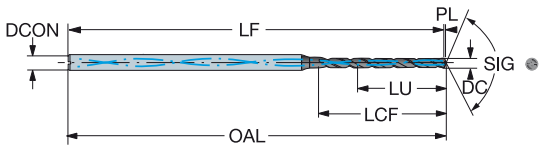
CoroDrill® 862 solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
1.85	.073	14.5	.571	7	3	862.1-0185-015A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	20	.787	0.3	.012	140°	40	0.011	COROMANT
1.85	.073	22.5	.886	12	3	862.1-0185-022A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	30	1.181	0.3	.012	140°	40	0.011	COROMANT
1.90	.075	14.3	.563	7	3	862.1-0190-015A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	20	.787	0.3	.012	140°	40	0.012	COROMANT
1.90	.075	23.1	.909	12	3	862.1-0190-023A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	30	1.181	0.3	.012	140°	40	0.011	COROMANT
1.98	.078	14.2	.559	7	3	862.1-0198-016A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	20	.787	0.3	.012	140°	40	0.012	COROMANT
1.98	.078	24.0	.945	12	3	862.1-0198-024A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	30	1.181	0.3	.012	140°	40	0.011	COROMANT
2.00	.079	16.3	.642	8	3	862.1-0200-016A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	22	.866	0.3	.012	140°	40	0.011	COROMANT
2.00	.079	24.3	.957	12	3	862.1-0200-024A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	32	1.260	0.3	.012	140°	40	0.010	COROMANT
2.05	.081	16.7	.657	8	3	862.1-0205-016A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	22	.866	0.3	.012	140°	40	0.013	COROMANT
2.05	.081	24.9	.980	12	3	862.1-0205-025A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	32	1.260	0.3	.012	140°	40	0.011	COROMANT
2.08	.082	16.8	.661	8	3	862.1-0208-017A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	22	.866	0.3	.012	140°	40	0.012	COROMANT
2.08	.082	25.3	.996	12	3	862.1-0208-025A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	32	1.260	0.3	.012	140°	40	0.011	COROMANT
2.10	.083	16.8	.661	8	3	862.1-0210-017A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	22	.866	0.3	.012	140°	40	0.011	COROMANT
2.10	.083	25.5	1.004	12	3	862.1-0210-025A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.7	2.862	32	1.260	0.3	.012	140°	40	0.010	COROMANT
2.15	.085	16.6	.654	7	3	862.1-0215-017A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.6	2.858	22	.866	0.4	.016	140°	40	0.012	COROMANT
2.15	.085	26.2	1.032	12	3	862.1-0215-026A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.6	2.858	32	1.260	0.4	.016	140°	40	0.011	COROMANT
2.18	.086	16.6	.654	7	3	862.1-0218-017A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.6	2.858	22	.866	0.4	.016	140°	40	0.011	COROMANT
2.18	.086	26.5	1.043	12	3	862.1-0218-026A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.6	2.858	32	1.260	0.4	.016	140°	40	0.011	COROMANT
2.20	.087	16.5	.650	7	3	862.1-0220-018A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.6	2.858	22	.866	0.4	.016	140°	40	0.011	COROMANT
2.20	.087	26.5	1.043	12	3	862.1-0220-026A1-GM	☆	☆	☆	☆	☆	3.00	.118	73	2.874	72.6	2.858	32	1.260	0.4	.016	140°	40	0.011	COROMANT
2.25	.089	18.4	.724	8	3	862.1-0225-018A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	25	.984	0.4	.016	140°	40	0.013	COROMANT
2.25	.089	27.4	1.079	12	3	862.1-0225-027A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	36	1.417	0.4	.016	140°	40	0.013	COROMANT
2.26	.089	18.5	.728	8	3	862.1-0226-018A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	25	.984	0.4	.016	140°	40	0.012	COROMANT
2.26	.089	27.5	1.083	12	3	862.1-0226-027A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	36	1.417	0.4	.016	140°	40	0.013	COROMANT
2.30	.091	18.8	.740	8	3	862.1-0230-018A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	25	.984	0.4	.016	140°	40	0.013	COROMANT
2.30	.091	28.0	1.102	12	3	862.1-0230-028A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	36	1.417	0.4	.016	140°	40	0.012	COROMANT
2.38	.094	19.0	.748	7	3	862.1-0238-019A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	25	.984	0.4	.016	140°	40	0.013	COROMANT
2.38	.094	29.0	1.142	12	3	862.1-0238-029A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	36	1.417	0.4	.016	140°	40	0.013	COROMANT
2.40	.094	19.0	.748	7	3	862.1-0240-019A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	25	.984	0.4	.016	140°	40	0.013	COROMANT
2.40	.094	29.2	1.150	12	3	862.1-0240-029A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	36	1.417	0.4	.016	140°	40	0.013	COROMANT
2.44	.096	18.9	.744	7	3	862.1-0244-020A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	25	.984	0.4	.016	140°	40	0.013	COROMANT
2.44	.096	29.7	1.169	12	3	862.1-0244-029A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	36	1.417	0.4	.016	140°	40	0.013	COROMANT
2.50	.098	18.8	.740	7	3	862.1-0250-020A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	25	.984	0.4	.016	140°	40	0.013	COROMANT
2.50	.098	29.8	1.173	11	3	862.1-0250-030A1-GM	☆	☆	☆	☆	☆	3.00	.118	78	3.071	77.6	3.055	36	1.417	0.4	.016	140°	40	0.013	COROMANT
2.58	.102	20.6	.811	7	3	862.1-0258-021A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	27	1.063	0.4	.016	140°	40	0.014	COROMANT
2.58	.102	31.4	1.236	12	3	862.1-0258-031A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	38	1.496	0.4	.016	140°	40	0.013	COROMANT
2.60	.102	20.5	.807	7	3	862.1-0260-021A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	27	1.063	0.4	.016	140°	40	0.014	COROMANT
2.60	.102	31.5	1.240	12	3	862.1-0260-031A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	38	1.496	0.4	.016	140°	40	0.013	COROMANT
2.64	.104	20.4	.803	7	3	862.1-0264-021A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	27	1.063	0.4	.016	140°	40	0.014	COROMANT
2.64	.104	31.4	1.236	11	3	862.1-0264-032A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	38	1.496	0.4	.016	140°	40	0.013	COROMANT
2.70	.106	20.3	.799	7	3	862.1-0270-022A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	27	1.063	0.4	.016	140°	40	0.014	COROMANT
2.70	.106	31.3	1.232	11	3	862.1-0270-032A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	38	1.496	0.4	.016	140°	40	0.014	COROMANT
2.71	.107	22.1	.870	8	3	862.1-0271-022A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	30	1.181	0.4	.016	140°	40	0.014	COROMANT
2.71	.107	33.0	1.299	12	3	862.1-0271-033A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.6	3.291	42	1.654	0.4	.016	140°	40	0.013	COROMANT
2.80	.110	22.9	.902	8	3	862.1-0280-022A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	30	1.181	0.5	.020	140°	40	0.014	COROMANT
2.80	.110	34.1	1.343	12	3	862.1-0280-034A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	42	1.654	0.5	.020	140°	40	0.014	COROMANT
2.82	.111	23.0	.906	8	3	862.1-0282-023A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	30	1.181	0.5	.020	140°	40	0.014	COROMANT
2.82	.111	34.3	1.350	12	3	862.1-0282-034A1-GM	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	42	1.654	0.5	.020	140°	40	0.013	COROMANT

O5 K228 K252 Q1 Q35

SANDVIK Coromant

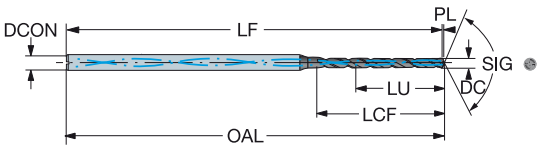
CoroDrill® 862 solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
2.87	.113	22.8	.898	7	3	**862.1-0287-023A1-GM**	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	30	1.181	0.5	.020	140°	40	0.014	COROMANT
2.87	.113	34.8	1.370	12	3	**862.1-0287-034A1-GM**	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	42	1.654	0.5	.020	140°	40	0.013	COROMANT
2.90	.114	22.8	.898	7	3	**862.1-0290-023A1-GM**	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	30	1.181	0.5	.020	140°	40	0.014	COROMANT
2.90	.114	34.8	1.370	12	3	**862.1-0290-035A1-GM**	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	42	1.654	0.5	.020	140°	40	0.014	COROMANT
2.95	.116	22.6	.890	7	3	**862.1-0295-024A1-GM**	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	30	1.181	0.5	.020	140°	40	0.014	COROMANT
2.95	.116	34.6	1.362	11	3	**862.1-0295-035A1-GM**	☆	☆	☆	☆	☆	3.00	.118	84	3.307	83.5	3.287	42	1.654	0.5	.020	140°	40	0.014	COROMANT

O5 K228 K252 Q1 Q35

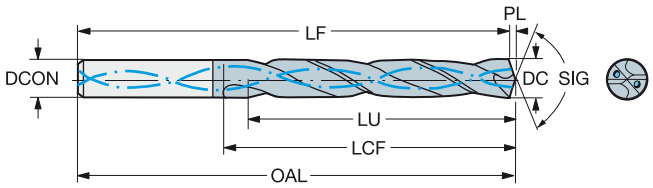
CoroDrill® 460 solid carbide drill

HA shank

Internal coolant supply

TCHA H9
CNSC 1





							P	M	K	N	S	H	Dimensions, mm, inch																
DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	GC34	GC34	GC34	GC34	GC34	GC34	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.00	.118	9.4	.370	3	6	460.1-0300-009A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	140°	20	0.019	DIN 6537 K
3.00	.118	15.4	.606	5	6	460.1-0300-015A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.6	2.583	28	1.102	0.4	.016	140°	20	0.019	DIN 6537 L
3.00	.118	24.4	.961	8	6	460.1-0300-023A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	79	3.110	78.6	3.094	37	1.457	0.4	.016	140°	20	0.031	COROMANT
3.10	.122	9.7	.382	3	6	460.1-0310-009A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	140°	20	0.019	DIN 6537 K
3.10	.122	15.9	.626	5	6	460.1-0310-016A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.6	2.583	28	1.102	0.4	.016	140°	20	0.019	DIN 6537 L
3.10	.122	25.2	.992	8	6	460.1-0310-023A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	79	3.110	78.6	3.094	37	1.457	0.4	.016	140°	20	0.020	COROMANT
3.18	.125	10.0	.394	3	6	460.1-0318-010A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.019	DIN 6537 K
3.18	.125	16.3	.642	5	6	460.1-0318-016A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.019	DIN 6537 L
3.18	.125	25.9	1.020	8	6	460.1-0318-024A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	79	3.110	78.5	3.091	37	1.457	0.5	.020	140°	20	0.021	COROMANT
3.20	.126	10.1	.398	3	6	460.1-0320-010A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.020	DIN 6537 K
3.20	.126	16.5	.650	5	6	460.1-0320-016A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.019	DIN 6537 L
3.20	.126	26.1	1.028	8	6	460.1-0320-024A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	79	3.110	78.5	3.091	37	1.457	0.5	.020	140°	20	0.020	COROMANT
3.30	.130	10.4	.409	3	6	460.1-0330-010A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.020	DIN 6537 K
3.30	.130	17.0	.669	5	6	460.1-0330-017A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.019	DIN 6537 L
3.30	.130	26.9	1.059	8	6	460.1-0330-025A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	79	3.110	78.5	3.091	37	1.457	0.5	.020	140°	20	0.021	COROMANT
3.40	.134	10.7	.421	3	6	460.1-0340-010A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.020	DIN 6537 K
3.40	.134	17.5	.689	5	6	460.1-0340-017A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.020	DIN 6537 L
3.40	.134	27.7	1.091	8	6	460.1-0340-026A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	79	3.110	78.5	3.091	37	1.457	0.5	.020	140°	20	0.021	COROMANT
3.50	.138	11.0	.433	3	6	460.1-0350-011A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.020	DIN 6537 K
3.50	.138	18.0	.709	5	6	460.1-0350-018A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.020	DIN 6537 L
3.50	.138	28.5	1.122	8	6	460.1-0350-026A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	79	3.110	78.5	3.091	37	1.457	0.5	.020	140°	20	0.021	COROMANT
3.57	.141	11.2	.441	3	6	460.1-0357-011A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.020	DIN 6537 K
3.57	.141	18.4	.724	5	6	460.1-0357-018A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.020	DIN 6537 L
3.57	.141	29.1	1.146	8	6	460.1-0357-027A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	79	3.110	78.5	3.091	37	1.457	0.5	.020	140°	20	0.021	COROMANT
3.60	.142	11.3	.445	3	6	460.1-0360-011A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.020	DIN 6537 K
3.60	.142	18.5	.728	5	6	460.1-0360-018A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.020	DIN 6537 L
3.70	.146	11.6	.457	3	6	460.1-0370-011A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.020	DIN 6537 K
3.70	.146	19.0	.748	5	6	460.1-0370-019A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.020	DIN 6537 L
3.70	.146	28.9	1.138	7	6	460.1-0370-028A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	79	3.110	78.5	3.091	37	1.457	0.5	.020	140°	20	0.032	COROMANT
3.80	.150	11.9	.469	3	6	460.1-0380-011A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	140°	20	0.020	DIN 6537 K
3.80	.150	19.5	.768	5	6	460.1-0380-019A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.5	2.894	36	1.417	0.5	.020	140°	20	0.020	DIN 6537 L
3.80	.150	30.9	1.217	8	6	460.1-0380-029A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.5	3.524	48	1.890	0.5	.020	140°	20	0.025	COROMANT
3.90	.154	12.3	.484	3	6	460.1-0390-012A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.020	DIN 6537 K
3.90	.154	20.1	.791	5	6	460.1-0390-020A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.020	DIN 6537 L
3.97	.156	12.5	.492	3	6	460.1-0397-012A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.020	DIN 6537 K
3.97	.156	20.4	.803	5	6	460.1-0397-020A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.020	DIN 6537 L
3.97	.156	32.3	1.272	8	6	460.1-0397-030A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.4	3.520	48	1.890	0.6	.024	140°	20	0.026	COROMANT
4.00	.157	12.6	.496	3	6	460.1-0400-012A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.021	DIN 6537 K
4.00	.157	20.6	.811	5	6	460.1-0400-020A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.021	DIN 6537 L
4.00	.157	32.6	1.283	8	6	460.1-0400-030A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.4	3.520	48	1.890	0.6	.024	140°	20	0.027	COROMANT
4.05	.159	12.7	.500	3	6	460.1-0405-012A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.021	DIN 6537 K
4.05	.159	20.8	.819	5	6	460.1-0405-020A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.021	DIN 6537 L
4.10	.161	12.9	.508	3	6	460.1-0410-012A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.021	DIN 6537 K
4.10	.161	21.1	.831	5	6	460.1-0410-021A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.021	DIN 6537 L
4.10	.161	33.4	1.315	8	6	460.1-0410-031A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.4	3.520	48	1.890	0.6	.024	140°	20	0.026	COROMANT
4.20	.165	13.2	.520	3	6	460.1-0420-013A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.021	DIN 6537 K
4.20	.165	21.6	.850	5	6	460.1-0420-021A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.021	DIN 6537 L
4.20	.165	34.2	1.346	8	6	460.1-0420-032A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.4	3.520	48	1.890	0.6	.024	140°	20	0.027	COROMANT

O5 Q5 K230 K252 Q1 Q35

SANDVIK Coromant

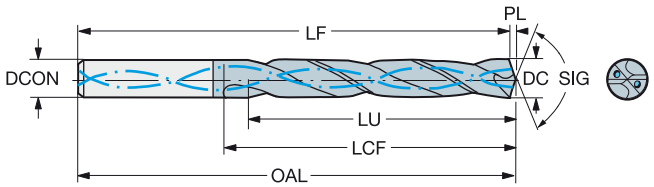
CoroDrill® 460 solid carbide drill

HA shank

Internal coolant supply

TCHA H9
CNSC 1





DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
4.30	.169	13.5	.531	3	6	460.1-0430-013A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.021	DIN 6537 K
4.30	.169	22.1	.870	5	6	460.1-0430-022A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.021	DIN 6537 L
4.30	.169	35.0	1.378	8	6	460.1-0430-032A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.4	3.520	48	1.890	0.6	.024	140°	20	0.027	COROMANT
4.37	.172	13.7	.539	3	6	460.1-0437-013A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.021	DIN 6537 K
4.37	.172	22.5	.886	5	6	460.1-0437-022A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.021	DIN 6537 L
4.37	.172	35.6	1.402	8	6	460.1-0437-033A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.4	3.520	48	1.890	0.6	.024	140°	20	0.027	COROMANT
4.40	.173	13.8	.543	3	6	460.1-0440-013A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.022	DIN 6537 K
4.40	.173	22.6	.890	5	6	460.1-0440-022A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.022	DIN 6537 L
4.50	.177	14.2	.559	3	6	460.1-0450-014A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.022	DIN 6537 K
4.50	.177	23.2	.913	5	6	460.1-0450-023A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.022	DIN 6537 L
4.50	.177	36.7	1.445	8	6	460.1-0450-034A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.3	3.516	48	1.890	0.7	.028	140°	20	0.028	COROMANT
4.60	.181	14.5	.571	3	6	460.1-0460-014A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.022	DIN 6537 K
4.60	.181	23.7	.933	5	6	460.1-0460-023A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.023	DIN 6537 L
4.60	.181	37.5	1.476	8	6	460.1-0460-035A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.3	3.516	48	1.890	0.7	.028	140°	20	0.028	COROMANT
4.70	.185	14.6	.575	3	6	460.1-0470-014A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.022	DIN 6537 K
4.70	.185	24.2	.953	5	6	460.1-0470-024A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.023	DIN 6537 L
4.70	.185	38.3	1.508	8	6	460.1-0470-035A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	90	3.543	89.3	3.516	48	1.890	0.7	.028	140°	20	0.029	COROMANT
4.76	.187	15.0	.591	3	6	460.1-0476-014A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	20	0.022	DIN 6537 K
4.76	.187	24.5	.965	5	6	460.1-0476-024A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	20	0.023	DIN 6537 L
4.76	.187	38.8	1.528	8	6	460.1-0476-036A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.3	4.067	62	2.441	0.7	.028	140°	20	0.029	COROMANT
4.80	.189	15.1	.594	3	6	460.1-0480-014A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	20	0.022	DIN 6537 K
4.80	.189	24.7	.972	5	6	460.1-0480-024A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	20	0.024	DIN 6537 L
4.80	.189	39.1	1.539	8	6	460.1-0480-036A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.3	4.067	62	2.441	0.7	.028	140°	20	0.029	COROMANT
4.90	.193	15.4	.606	3	6	460.1-0490-015A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	20	0.022	DIN 6537 K
4.90	.193	25.2	.992	5	6	460.1-0490-025A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	20	0.024	DIN 6537 L
5.00	.197	15.7	.618	3	6	460.1-0500-015A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	20	0.022	DIN 6537 K
5.00	.197	25.7	1.012	5	6	460.1-0500-025A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	20	0.024	DIN 6537 L
5.00	.197	40.7	1.602	8	6	460.1-0500-038A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.3	4.067	62	2.441	0.7	.028	140°	20	0.040	COROMANT
5.05	.199	15.9	.626	3	6	460.1-0505-015A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	20	0.022	DIN 6537 K
5.05	.199	26.0	1.024	5	6	460.1-0505-025A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	20	0.025	DIN 6537 L
5.10	.201	16.0	.630	3	6	460.1-0510-015A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	20	0.022	DIN 6537 K
5.10	.201	26.2	1.032	5	6	460.1-0510-026A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	20	0.025	DIN 6537 L
5.10	.201	41.5	1.634	8	6	460.1-0510-038A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.3	4.067	62	2.441	0.7	.028	140°	20	0.030	COROMANT
5.16	.203	16.2	.638	3	6	460.1-0516-016A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.022	DIN 6537 K
5.16	.203	26.5	1.043	5	6	460.1-0516-026A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.025	DIN 6537 L
5.16	.203	42.0	1.654	8	6	460.1-0516-039A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.2	4.063	62	2.441	0.8	.031	140°	20	0.030	COROMANT
5.20	.205	16.4	.646	3	6	460.1-0520-016A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.022	DIN 6537 K
5.20	.205	26.8	1.055	5	6	460.1-0520-026A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.025	DIN 6537 L
5.20	.205	42.4	1.669	8	6	460.1-0520-039A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.2	4.063	62	2.441	0.8	.031	140°	20	0.031	COROMANT
5.50	.217	17.3	.681	3	6	460.1-0550-017A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.023	DIN 6537 K
5.50	.217	28.3	1.114	5	6	460.1-0550-028A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.026	DIN 6537 L
5.50	.217	44.8	1.764	8	6	460.1-0550-041A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.2	4.063	62	2.441	0.8	.031	140°	20	0.032	COROMANT
5.56	.219	17.5	.689	3	6	460.1-0556-017A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.023	DIN 6537 K
5.56	.219	28.6	1.126	5	6	460.1-0556-028A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.026	DIN 6537 L
5.56	.219	45.3	1.783	8	6	460.1-0556-042A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.2	4.063	62	2.441	0.8	.031	140°	20	0.032	COROMANT
5.60	.220	17.6	.693	3	6	460.1-0560-017A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.023	DIN 6537 K
5.60	.220	28.8	1.134	5	6	460.1-0560-028A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.027	DIN 6537 L

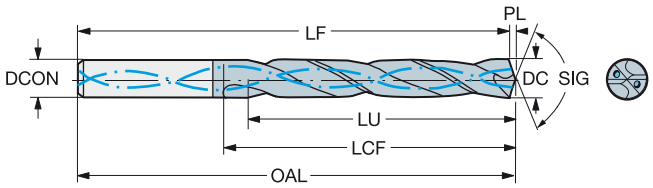
CoroDrill® 460 solid carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
5.70	.224	17.7	.697	3	6	460.1-0570-017A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.024	DIN 6537 K
5.70	.224	29.3	1.154	5	6	460.1-0570-029A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.027	DIN 6537 L
5.70	.224	46.4	1.827	8	6	460.1-0570-043A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.2	4.063	62	2.441	0.8	.031	140°	20	0.033	COROMANT
5.80	.228	17.6	.693	3	6	460.1-0580-017A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.024	DIN 6537 K
5.80	.228	29.9	1.177	5	6	460.1-0580-029A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.027	DIN 6537 L
5.80	.228	47.3	1.862	8	6	460.1-0580-044A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.1	4.059	62	2.441	0.9	.035	140°	20	0.033	COROMANT
5.95	.234	17.3	.681	2	6	460.1-0595-018A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.024	DIN 6537 K
5.95	.234	30.6	1.205	5	6	460.1-0595-030A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.027	DIN 6537 L
5.95	.234	48.5	1.909	8	6	460.1-0595-045A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.1	4.059	62	2.441	0.9	.035	140°	20	0.034	COROMANT
6.00	.236	18.9	.744	3	6	460.1-0600-018A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.024	DIN 6537 K
6.00	.236	30.9	1.217	5	6	460.1-0600-030A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.027	DIN 6537 L
6.00	.236	48.9	1.925	8	6	460.1-0600-045A1-XM	☆	☆	☆	☆	☆	☆	6.00	.236	104	4.094	103.1	4.059	62	2.441	0.9	.035	140°	20	0.035	COROMANT
6.05	.238	19.0	.748	3	8	460.1-0605-018A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	20	0.041	DIN 6537 K
6.05	.238	31.1	1.224	5	8	460.1-0605-030A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	20	0.044	DIN 6537 L
6.10	.240	19.2	.756	3	8	460.1-0610-018A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	20	0.042	DIN 6537 K
6.10	.240	31.4	1.236	5	8	460.1-0610-031A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	20	0.044	DIN 6537 L
6.10	.240	49.7	1.957	8	8	460.1-0610-046A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.1	4.925	84	3.307	0.9	.035	140°	20	0.048	COROMANT
6.20	.244	19.5	.768	3	8	460.1-0620-019A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	20	0.042	DIN 6537 K
6.20	.244	31.9	1.256	5	8	460.1-0620-031A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	20	0.045	DIN 6537 L
6.20	.244	50.5	1.988	8	8	460.1-0620-047A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.1	4.925	84	3.307	0.9	.035	140°	20	0.048	COROMANT
6.30	.248	19.8	.780	3	8	460.1-0630-019A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	20	0.042	DIN 6537 K
6.30	.248	32.4	1.276	5	8	460.1-0630-032A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	20	0.045	DIN 6537 L
6.35	.250	20.0	.787	3	8	460.1-0635-019A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	20	0.038	DIN 6537 K
6.35	.250	32.7	1.287	5	8	460.1-0635-032A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	20	0.045	DIN 6537 L
6.35	.250	51.7	2.035	8	8	460.1-0635-048A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.1	4.925	84	3.307	0.9	.035	140°	20	0.050	COROMANT
6.40	.252	20.1	.791	3	8	460.1-0640-019A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	20	0.043	DIN 6537 K
6.40	.252	32.9	1.295	5	8	460.1-0640-032A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	20	0.045	DIN 6537 L
6.50	.256	20.5	.807	3	8	460.1-0650-020A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.044	DIN 6537 K
6.50	.256	33.5	1.319	5	8	460.1-0650-033A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.046	DIN 6537 L
6.50	.256	53.0	2.087	8	8	460.1-0650-049A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.0	4.921	84	3.307	1.0	.039	140°	20	0.050	COROMANT
6.60	.260	20.8	.819	3	8	460.1-0660-020A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.044	DIN 6537 K
6.60	.260	34.0	1.339	5	8	460.1-0660-033A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.046	DIN 6537 L
6.60	.260	53.8	2.118	8	8	460.1-0660-050A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.0	4.921	84	3.307	1.0	.039	140°	20	0.059	COROMANT
6.70	.264	21.1	.831	3	8	460.1-0670-020A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.045	DIN 6537 K
6.70	.264	34.5	1.358	5	8	460.1-0670-034A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.046	DIN 6537 L
6.70	.264	54.6	2.150	8	8	460.1-0670-050A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.0	4.921	84	3.307	1.0	.039	140°	20	0.052	COROMANT
6.75	.266	21.2	.835	3	8	460.1-0675-020A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.042	DIN 6537 K
6.75	.266	34.7	1.366	5	8	460.1-0675-034A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.046	DIN 6537 L
6.75	.266	55.0	2.165	8	8	460.1-0675-051A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.0	4.921	84	3.307	1.0	.039	140°	20	0.052	COROMANT
6.80	.268	21.4	.843	3	8	460.1-0680-020A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.044	DIN 6537 K
6.80	.268	35.0	1.378	5	8	460.1-0680-034A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.048	DIN 6537 L
6.80	.268	55.4	2.181	8	8	460.1-0680-051A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.0	4.921	84	3.307	1.0	.039	140°	20	0.053	COROMANT
6.90	.272	21.7	.854	3	8	460.1-0690-021A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.045	DIN 6537 K
6.90	.272	35.5	1.398	5	8	460.1-0690-035A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.048	DIN 6537 L
6.90	.272	56.2	2.213	8	8	460.1-0690-052A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.0	4.921	84	3.307	1.0	.039	140°	20	0.054	COROMANT
7.00	.276	22.0	.866	3	8	460.1-0700-021A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.045	DIN 6537 K
7.00	.276	36.0	1.417	5	8	460.1-0700-035A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.049	DIN 6537 L
7.00	.276	57.0	2.244	8	8	460.1-0700-053A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	125.0	4.921	84	3.307	1.0	.039	140°	20	0.054	COROMANT

O5 Q5 K230 K252 Q1 Q35

SANDVIK Coromant

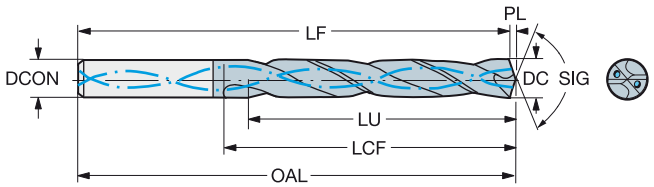
CoroDrill® 460 solid carbide drill

HA shank

Internal coolant supply

TCHA H9
CNSC 1





DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
7.10	.280	22.3	.878	3	8	460.1-0710-021A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	41	1.614	1.0	.039	140°	20	0.044	DIN 6537 K
7.10	.280	36.5	1.437	5	8	460.1-0710-036A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.050	DIN 6537 L
7.14	.281	22.5	.886	3	8	460.1-0714-021A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	20	0.041	DIN 6537 K
7.14	.281	36.8	1.449	5	8	460.1-0714-036A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.050	DIN 6537 L
7.14	.281	58.2	2.291	8	8	460.1-0714-054A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.9	4.917	84	3.307	1.1	.043	140°	20	0.056	COROMANT
7.20	.283	58.7	2.311	8	8	460.1-0720-054A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.9	4.917	84	3.307	1.1	.043	140°	20	0.057	COROMANT
7.30	.287	23.0	.906	3	8	460.1-0730-022A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	20	0.045	DIN 6537 K
7.30	.287	37.6	1.480	5	8	460.1-0730-037A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.050	DIN 6537 L
7.40	.291	23.3	.917	3	8	460.1-0740-022A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	20	0.045	DIN 6537 K
7.40	.291	38.1	1.500	5	8	460.1-0740-037A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.051	DIN 6537 L
7.40	.291	60.3	2.374	8	8	460.1-0740-056A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.9	4.917	84	3.307	1.1	.043	140°	20	0.058	COROMANT
7.50	.295	23.6	.929	3	8	460.1-0750-023A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	20	0.045	DIN 6537 K
7.50	.295	38.6	1.520	5	8	460.1-0750-038A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.051	DIN 6537 L
7.50	.295	61.1	2.406	8	8	460.1-0750-056A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.9	4.917	84	3.307	1.1	.043	140°	20	0.060	COROMANT
7.54	.297	23.7	.933	3	8	460.1-0754-023A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	20	0.047	DIN 6537 K
7.54	.297	38.8	1.528	5	8	460.1-0754-038A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.051	DIN 6537 L
7.54	.297	61.4	2.417	8	8	460.1-0754-057A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.9	4.917	84	3.307	1.1	.043	140°	20	0.059	COROMANT
7.60	.299	23.9	.941	3	8	460.1-0760-023A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	20	0.047	DIN 6537 K
7.60	.299	39.1	1.539	5	8	460.1-0760-038A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.051	DIN 6537 L
7.60	.299	61.9	2.437	8	8	460.1-0760-057A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.9	4.917	84	3.307	1.1	.043	140°	20	0.059	COROMANT
7.70	.303	24.2	.953	3	8	460.1-0770-023A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	20	0.047	DIN 6537 K
7.70	.303	39.6	1.559	5	8	460.1-0770-039A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.052	DIN 6537 L
7.70	.303	62.7	2.469	8	8	460.1-0770-058A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.9	4.917	84	3.307	1.1	.043	140°	20	0.060	COROMANT
7.80	.307	24.6	.969	3	8	460.1-0780-023A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.047	DIN 6537 K
7.80	.307	40.2	1.583	5	8	460.1-0780-039A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.052	DIN 6537 L
7.80	.307	63.6	2.504	8	8	460.1-0780-059A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.8	4.913	84	3.307	1.2	.047	140°	20	0.061	COROMANT
7.90	.311	24.9	.980	3	8	460.1-0790-024A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.048	DIN 6537 K
7.90	.311	40.7	1.602	5	8	460.1-0790-040A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.053	DIN 6537 L
7.94	.313	25.0	.984	3	8	460.1-0794-024A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.044	DIN 6537 K
7.94	.313	40.9	1.610	5	8	460.1-0794-040A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.053	DIN 6537 L
7.94	.313	64.7	2.547	8	8	460.1-0794-060A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.8	4.913	84	3.307	1.2	.047	140°	20	0.063	COROMANT
8.00	.315	25.2	.992	3	8	460.1-0800-024A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.048	DIN 6537 K
8.00	.315	41.2	1.622	5	8	460.1-0800-040A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.053	DIN 6537 L
8.00	.315	65.2	2.567	8	8	460.1-0800-060A1-XM	☆	☆	☆	☆	☆	☆	8.00	.315	126	4.961	124.8	4.913	84	3.307	1.2	.047	140°	20	0.073	COROMANT
8.05	.317	25.3	.996	3	10	460.1-0805-024A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	140°	20	0.070	DIN 6537 K
8.05	.317	41.4	1.630	5	10	460.1-0805-040A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.8	4.008	61	2.402	1.2	.047	140°	20	0.075	DIN 6537 L
8.10	.319	25.5	1.004	3	10	460.1-0810-024A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	140°	20	0.069	DIN 6537 K
8.10	.319	41.7	1.642	5	10	460.1-0810-041A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.8	4.008	61	2.402	1.2	.047	140°	20	0.075	DIN 6537 L
8.10	.319	66.0	2.598	8	10	460.1-0810-061A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.8	5.937	106	4.173	1.2	.047	140°	20	0.112	COROMANT
8.20	.323	25.8	1.016	3	10	460.1-0820-025A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	140°	20	0.070	DIN 6537 K
8.20	.323	42.2	1.661	5	10	460.1-0820-041A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.8	4.008	61	2.402	1.2	.047	140°	20	0.075	DIN 6537 L
8.20	.323	66.8	2.630	8	10	460.1-0820-062A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.8	5.937	106	4.173	1.2	.047	140°	20	0.113	COROMANT
8.33	.328	26.2	1.032	3	10	460.1-0833-025A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	140°	20	0.068	DIN 6537 K
8.33	.328	42.9	1.689	5	10	460.1-0833-042A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.8	4.008	61	2.402	1.2	.047	140°	20	0.073	DIN 6537 L
8.33	.328	67.9	2.673	8	10	460.1-0833-062A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.8	5.937	106	4.173	1.2	.047	140°	20	0.114	COROMANT
8.40	.331	26.4	1.039	3	10	460.1-0840-025A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	140°	20	0.071	DIN 6537 K
8.40	.331	43.2	1.701	5	10	460.1-0840-042A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.8	4.008	61	2.402	1.2	.047	140°	20	0.077	DIN 6537 L
8.40	.331	68.4	2.693	8	10	460.1-0840-063A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.8	5.937	106	4.173	1.2	.047	140°	20	0.091	COROMANT


O5


Q5


K230


K252


Q1


Q35

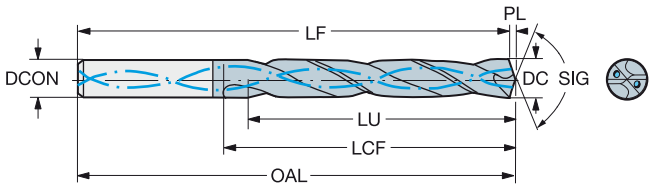
CoroDrill® 460 solid carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
8.50	.335	26.8	1.055	3	10	460.1-0850-026A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.071	DIN 6537 K
8.50	.335	43.8	1.724	5	10	460.1-0850-043A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.077	DIN 6537 L
8.50	.335	69.3	2.728	8	10	460.1-0850-064A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.7	5.933	106	4.173	1.3	.051	140°	20	0.095	COROMANT
8.60	.339	27.1	1.067	3	10	460.1-0860-026A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.072	DIN 6537 K
8.60	.339	44.3	1.744	5	10	460.1-0860-043A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.078	DIN 6537 L
8.60	.339	70.1	2.760	8	10	460.1-0860-065A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.7	5.933	106	4.173	1.3	.051	140°	20	0.116	COROMANT
8.70	.343	27.4	1.079	3	10	460.1-0870-026A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.072	DIN 6537 K
8.70	.343	44.8	1.764	5	10	460.1-0870-044A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.079	DIN 6537 L
8.70	.343	70.9	2.791	8	10	460.1-0870-065A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.7	5.933	106	4.173	1.3	.051	140°	20	0.096	COROMANT
8.73	.344	27.5	1.083	3	10	460.1-0873-026A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.070	DIN 6537 K
8.73	.344	44.9	1.768	5	10	460.1-0873-044A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.076	DIN 6537 L
8.73	.344	71.1	2.799	8	10	460.1-0873-065A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.7	5.933	106	4.173	1.3	.051	140°	20	0.095	COROMANT
8.80	.346	27.7	1.091	3	10	460.1-0880-026A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.073	DIN 6537 K
8.80	.346	45.3	1.783	5	10	460.1-0880-044A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.080	DIN 6537 L
8.80	.346	71.7	2.823	8	10	460.1-0880-066A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.7	5.933	106	4.173	1.3	.051	140°	20	0.095	COROMANT
8.90	.350	28.0	1.102	3	10	460.1-0890-027A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.074	DIN 6537 K
8.90	.350	45.8	1.803	5	10	460.1-0890-045A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.081	DIN 6537 L
9.00	.354	28.3	1.114	3	10	460.1-0900-027A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.074	DIN 6537 K
9.00	.354	46.3	1.823	5	10	460.1-0900-045A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.081	DIN 6537 L
9.00	.354	73.3	2.886	8	10	460.1-0900-068A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.7	5.933	106	4.173	1.3	.051	140°	20	0.122	COROMANT
9.10	.358	28.6	1.126	3	10	460.1-0910-027A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	20	0.072	DIN 6537 K
9.10	.358	46.8	1.843	5	10	460.1-0910-046A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	20	0.079	DIN 6537 L
9.13	.359	28.7	1.130	3	10	460.1-0913-027A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.072	DIN 6537 K
9.13	.359	47.0	1.850	5	10	460.1-0913-046A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.080	DIN 6537 L
9.13	.359	74.4	2.929	8	10	460.1-0913-068A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.6	5.929	106	4.173	1.4	.055	140°	20	0.098	COROMANT
9.30	.366	29.3	1.154	3	10	460.1-0930-028A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.073	DIN 6537 K
9.30	.366	47.9	1.886	5	10	460.1-0930-047A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.080	DIN 6537 L
9.30	.366	75.8	2.984	8	10	460.1-0930-070A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.6	5.929	106	4.173	1.4	.055	140°	20	0.124	COROMANT
9.40	.370	29.6	1.165	3	10	460.1-0940-028A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.073	DIN 6537 K
9.40	.370	48.4	1.906	5	10	460.1-0940-047A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.081	DIN 6537 L
9.50	.374	29.9	1.177	3	10	460.1-0950-029A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.074	DIN 6537 K
9.50	.374	48.7	1.917	5	10	460.1-0950-048A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.082	DIN 6537 L
9.50	.374	77.4	3.047	8	10	460.1-0950-071A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.6	5.929	106	4.173	1.4	.055	140°	20	0.104	COROMANT
9.53	.375	30.0	1.181	3	10	460.1-0953-029A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.076	DIN 6537 K
9.53	.375	48.6	1.913	5	10	460.1-0953-048A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.083	DIN 6537 L
9.53	.375	77.6	3.055	8	10	460.1-0953-071A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.6	5.929	106	4.173	1.4	.055	140°	20	0.102	COROMANT
9.60	.378	30.2	1.189	3	10	460.1-0960-029A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.075	DIN 6537 K
9.60	.378	48.5	1.909	5	10	460.1-0960-048A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.084	DIN 6537 L
9.70	.382	30.5	1.201	3	10	460.1-0970-029A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.076	DIN 6537 K
9.70	.382	48.4	1.906	4	10	460.1-0970-049A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.085	DIN 6537 L
9.80	.386	30.9	1.217	3	10	460.1-0980-029A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.076	DIN 6537 K
9.80	.386	48.3	1.902	4	10	460.1-0980-049A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.084	DIN 6537 L
9.80	.386	79.9	3.146	8	10	460.1-0980-074A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.5	5.925	106	4.173	1.5	.059	140°	20	0.111	COROMANT
9.90	.390	31.2	1.228	3	10	460.1-0990-030A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.077	DIN 6537 K
9.90	.390	48.1	1.894	4	10	460.1-0990-050A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.085	DIN 6537 L
9.90	.390	80.7	3.177	8	10	460.1-0990-074A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.5	5.925	106	4.173	1.5	.059	140°	20	0.110	COROMANT
9.92	.391	31.2	1.228	3	10	460.1-0992-030A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.078	DIN 6537 K
9.92	.391	48.1	1.894	4	10	460.1-0992-050A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.086	DIN 6537 L
9.92	.391	80.8	3.181	8	10	460.1-0992-074A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.5	5.925	106	4.173	1.5	.059	140°	20	0.110	COROMANT

O5 Q5 K230 K252 Q1 Q35

SANDVIK Coromant

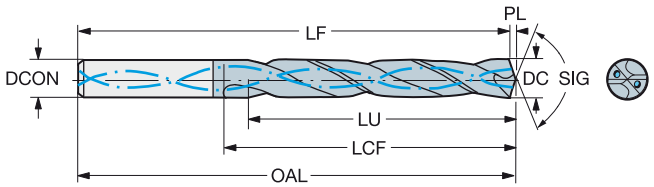
CoroDrill® 460 solid carbide drill

HA shank

Internal coolant supply

TCHA H9
CNSC 1





DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
10.00	.394	31.5	1.240	3	10	460.1-1000-030A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.076	DIN 6537 K
10.00	.394	48.0	1.890	4	10	460.1-1000-050A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.086	DIN 6537 L
10.00	.394	81.5	3.209	8	10	460.1-1000-075A1-XM	☆	☆	☆	☆	☆	☆	10.00	.394	152	5.984	150.5	5.925	106	4.173	1.5	.059	140°	20	0.116	COROMANT
10.05	.396	31.6	1.244	3	12	460.1-1005-030A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	20	0.112	DIN 6537 K
10.05	.396	51.7	2.035	5	12	460.1-1005-050A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	20	0.125	DIN 6537 L
10.10	.398	31.8	1.252	3	12	460.1-1010-030A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	20	0.110	DIN 6537 K
10.10	.398	52.0	2.047	5	12	460.1-1010-051A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	20	0.125	DIN 6537 L
10.20	.402	32.1	1.264	3	12	460.1-1020-031A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	20	0.112	DIN 6537 K
10.20	.402	52.5	2.067	5	12	460.1-1020-051A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	20	0.125	DIN 6537 L
10.20	.402	83.1	3.272	8	12	460.1-1020-077A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.5	7.028	128	5.039	1.5	.059	140°	20	0.149	COROMANT
10.30	.406	32.4	1.276	3	12	460.1-1030-031A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	20	0.112	DIN 6537 K
10.30	.406	53.0	2.087	5	12	460.1-1030-052A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	20	0.126	DIN 6537 L
10.30	.406	83.9	3.303	8	12	460.1-1030-077A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.5	7.028	128	5.039	1.5	.059	140°	20	0.154	COROMANT
10.32	.406	32.5	1.280	3	12	460.1-1032-031A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	20	0.112	DIN 6537 K
10.32	.406	53.1	2.091	5	12	460.1-1032-052A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	20	0.120	DIN 6537 L
10.32	.406	84.1	3.311	8	12	460.1-1032-077A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.5	7.028	128	5.039	1.5	.059	140°	20	0.155	COROMANT
10.40	.409	32.7	1.287	3	12	460.1-1040-031A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	20	0.114	DIN 6537 K
10.40	.409	53.5	2.106	5	12	460.1-1040-052A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	20	0.127	DIN 6537 L
10.40	.409	84.7	3.335	8	12	460.1-1040-078A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.5	7.028	128	5.039	1.5	.059	140°	20	0.160	COROMANT
10.50	.413	33.1	1.303	3	12	460.1-1050-032A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	140°	20	0.115	DIN 6537 K
10.50	.413	54.1	2.130	5	12	460.1-1050-053A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	140°	20	0.128	DIN 6537 L
10.50	.413	85.6	3.370	8	12	460.1-1050-079A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.4	7.024	128	5.039	1.6	.063	140°	20	0.157	COROMANT
10.60	.417	33.4	1.315	3	12	460.1-1060-032A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	140°	20	0.117	DIN 6537 K
10.60	.417	54.6	2.150	5	12	460.1-1060-053A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	140°	20	0.130	DIN 6537 L
10.72	.422	33.7	1.327	3	12	460.1-1072-032A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	140°	20	0.113	DIN 6537 K
10.72	.422	55.2	2.173	5	12	460.1-1072-054A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	140°	20	0.129	DIN 6537 L
10.72	.422	87.3	3.437	8	12	460.1-1072-080A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.4	7.024	128	5.039	1.6	.063	140°	20	0.161	COROMANT
11.00	.433	34.6	1.362	3	12	460.1-1100-033A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	140°	20	0.119	DIN 6537 K
11.00	.433	56.6	2.228	5	12	460.1-1100-055A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	140°	20	0.132	DIN 6537 L
11.00	.433	89.6	3.528	8	12	460.1-1100-083A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.4	7.024	128	5.039	1.6	.063	140°	20	0.165	COROMANT
11.11	.437	35.0	1.378	3	12	460.1-1111-033A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.120	DIN 6537 K
11.11	.437	57.2	2.252	5	12	460.1-1111-056A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.128	DIN 6537 L
11.11	.437	90.5	3.563	8	12	460.1-1111-083A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.3	7.020	128	5.039	1.7	.067	140°	20	0.163	COROMANT
11.20	.441	35.3	1.390	3	12	460.1-1120-034A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.119	DIN 6537 K
11.20	.441	57.6	2.268	5	12	460.1-1120-056A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.135	DIN 6537 L
11.20	.441	91.3	3.594	8	12	460.1-1120-084A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.3	7.020	128	5.039	1.7	.067	140°	20	0.165	COROMANT
11.40	.449	35.9	1.413	3	12	460.1-1140-034A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.126	DIN 6537 K
11.40	.449	57.3	2.256	5	12	460.1-1140-057A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.140	DIN 6537 L
11.50	.453	36.2	1.425	3	12	460.1-1150-035A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.126	DIN 6537 K
11.50	.453	57.2	2.252	4	12	460.1-1150-058A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.140	DIN 6537 L
11.50	.453	93.7	3.689	8	12	460.1-1150-086A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.3	7.020	128	5.039	1.7	.067	140°	20	0.174	COROMANT
11.51	.453	36.2	1.425	3	12	460.1-1151-035A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.124	DIN 6537 K
11.51	.453	57.2	2.252	4	12	460.1-1151-058A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.139	DIN 6537 L
11.51	.453	93.8	3.693	8	12	460.1-1151-086A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.3	7.020	128	5.039	1.7	.067	140°	20	0.175	COROMANT
11.60	.457	36.5	1.437	3	12	460.1-1160-035A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.127	DIN 6537 K
11.60	.457	57.1	2.248	4	12	460.1-1160-058A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.143	DIN 6537 L
11.80	.465	37.2	1.465	3	12	460.1-1180-035A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.128	DIN 6537 K
11.80	.465	56.8	2.236	4	12	460.1-1180-059A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.144	DIN 6537 L
11.80	.465	96.2	3.787	8	12	460.1-1180-089A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.2	7.016	128	5.039	1.8	.071	140°	20	0.198	COROMANT


O5


Q5


K230


K252


Q1


Q35

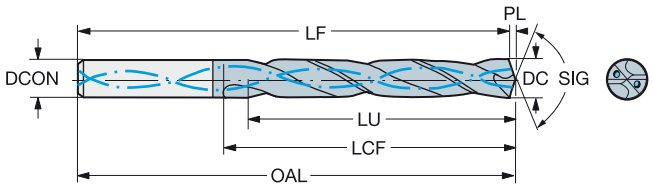
CoroDrill® 460 solid carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
11.91	.469	37.5	1.476	3	12	460.1-1191-036A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.127	DIN 6537 K
11.91	.469	56.7	2.232	4	12	460.1-1191-060A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.143	DIN 6537 L
11.91	.469	97.0	3.819	8	12	460.1-1191-089A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.2	7.016	128	5.039	1.8	.071	140°	20	0.182	COROMANT
12.00	.472	37.8	1.488	3	12	460.1-1200-036A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.126	DIN 6537 K
12.00	.472	56.6	2.228	4	12	460.1-1200-060A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.143	DIN 6537 L
12.00	.472	97.8	3.850	8	12	460.1-1200-090A1-XM	☆	☆	☆	☆	☆	☆	12.00	.472	180	7.087	178.2	7.016	128	5.039	1.8	.071	140°	20	0.184	COROMANT
12.05	.474	37.9	1.492	3	14	460.1-1205-036A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	140°	20	0.162	DIN 6537 K
12.05	.474	62.0	2.441	5	14	460.1-1205-060A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.2	4.811	77	3.032	1.8	.071	140°	20	0.177	DIN 6537 L
12.10	.476	38.1	1.500	3	14	460.1-1210-036A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	140°	20	0.163	DIN 6537 K
12.20	.480	38.4	1.512	3	14	460.1-1220-037A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	140°	20	0.160	DIN 6537 K
12.20	.480	62.4	2.457	5	14	460.1-1220-061A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.2	4.811	77	3.032	1.8	.071	140°	20	0.177	DIN 6537 L
12.20	.480	99.4	3.913	8	14	460.1-1220-092A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.2	7.882	151	5.945	1.8	.071	140°	20	0.224	COROMANT
12.30	.484	38.7	1.524	3	14	460.1-1230-037A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	140°	20	0.162	DIN 6537 K
12.30	.484	62.2	2.449	5	14	460.1-1230-062A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.2	4.811	77	3.032	1.8	.071	140°	20	0.178	DIN 6537 L
12.30	.484	100.3	3.949	8	14	460.1-1230-092A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.2	7.882	151	5.945	1.8	.071	140°	20	0.227	COROMANT
12.50	.492	39.4	1.551	3	14	460.1-1250-038A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	140°	20	0.163	DIN 6537 K
12.50	.492	62.0	2.441	4	14	460.1-1250-063A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.1	4.807	77	3.032	1.9	.075	140°	20	0.180	DIN 6537 L
12.50	.492	101.9	4.012	8	14	460.1-1250-094A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.1	7.878	151	5.945	1.9	.075	140°	20	0.222	COROMANT
12.70	.500	40.0	1.575	3	14	460.1-1270-038A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	140°	20	0.167	DIN 6537 K
12.70	.500	61.8	2.433	4	14	460.1-1270-064A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.1	4.807	77	3.032	1.9	.075	140°	20	0.185	DIN 6537 L
12.70	.500	103.5	4.075	8	14	460.1-1270-095A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.1	7.878	151	5.945	1.9	.075	140°	20	0.238	COROMANT
12.80	.504	40.3	1.587	3	14	460.1-1280-038A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	140°	20	0.168	DIN 6537 K
12.80	.504	61.6	2.425	4	14	460.1-1280-064A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.1	4.807	77	3.032	1.9	.075	140°	20	0.187	DIN 6537 L
12.80	.504	104.3	4.106	8	14	460.1-1280-096A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.1	7.878	151	5.945	1.9	.075	140°	20	0.232	COROMANT
13.00	.512	40.9	1.610	3	14	460.1-1300-039A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	140°	20	0.169	DIN 6537 K
13.00	.512	61.4	2.417	4	14	460.1-1300-065A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.1	4.807	77	3.032	1.9	.075	140°	20	0.188	DIN 6537 L
13.00	.512	105.9	4.169	8	14	460.1-1300-098A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.1	7.878	151	5.945	1.9	.075	140°	20	0.256	COROMANT
13.10	.516	41.2	1.622	3	14	460.1-1310-039A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	20	0.170	DIN 6537 K
13.10	.516	61.3	2.413	4	14	460.1-1310-066A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	20	0.190	DIN 6537 L
13.10	.516	106.7	4.201	8	14	460.1-1310-098A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.0	7.874	151	5.945	2.0	.079	140°	20	0.240	COROMANT
13.49	.531	42.5	1.673	3	14	460.1-1349-041A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	20	0.175	DIN 6537 K
13.49	.531	60.8	2.394	4	14	460.1-1349-061A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	20	0.194	DIN 6537 L
13.49	.531	110.0	4.331	8	14	460.1-1349-101A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.0	7.874	151	5.945	2.0	.079	140°	20	0.270	COROMANT
13.50	.531	42.5	1.673	3	14	460.1-1350-041A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	20	0.173	DIN 6537 K
13.50	.531	60.8	2.394	4	14	460.1-1350-061A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	20	0.190	DIN 6537 L
13.50	.531	110.0	4.331	8	14	460.1-1350-101A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.0	7.874	151	5.945	2.0	.079	140°	20	0.270	COROMANT
13.70	.539	111.6	4.394	8	14	460.1-1370-103A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	200.0	7.874	151	5.945	2.0	.079	140°	20	0.275	COROMANT
13.80	.543	43.4	1.709	3	14	460.1-1380-041A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.179	DIN 6537 K
13.80	.543	60.4	2.378	4	14	460.1-1380-062A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.198	DIN 6537 L
13.89	.547	43.3	1.705	3	14	460.1-1389-042A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.176	DIN 6537 K
13.89	.547	60.3	2.374	4	14	460.1-1389-063A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.198	DIN 6537 L
13.89	.547	113.2	4.457	8	14	460.1-1389-104A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	199.9	7.870	151	5.945	2.1	.083	140°	20	0.270	COROMANT
14.00	.551	44.1	1.736	3	14	460.1-1400-042A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.178	DIN 6537 K
14.00	.551	63.0	2.480	4	14	460.1-1400-063A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.201	DIN 6537 L
14.00	.551	114.1	4.492	8	14	460.1-1400-105A1-XM	☆	☆	☆	☆	☆	☆	14.00	.551	202	7.953	199.9	7.870	151	5.945	2.1	.083	140°	20	0.281	COROMANT
14.20	.559	115.7	4.555	8	16	460.1-1420-107A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.9	8.854	172	6.772	2.1	.083	140°	20	0.334	COROMANT
14.25	.561	44.9	1.768	3	16	460.1-1425-043A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.9	4.445	65	2.559	2.1	.083	140°	20	0.230	DIN 6537 K
14.25	.561	68.8	2.709	4	16	460.1-1425-071A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.9	5.154	83	3.268	2.1	.083	140°	20	0.258	DIN 6537 L
14.25	.561	116.1	4.571	8	16	460.1-1425-107A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.9	8.854	172	6.772	2.1	.083	140°	20	0.343	COROMANT

O5 Q5 K230 K252 Q1 Q35

SANDVIK Coromant

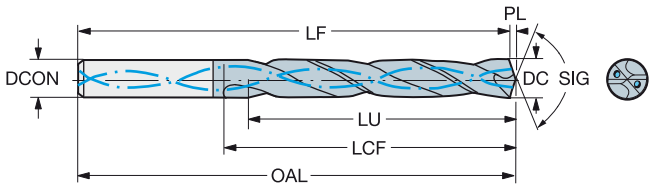
CoroDrill® 460 solid carbide drill

HA shank

Internal coolant supply

TCHA H9
CNSC 1





DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
14.29	.563	45.0	1.772	3	16	460.1-1429-043A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.9	4.445	65	2.559	2.1	.083	140°	20	0.220	DIN 6537 K
14.29	.563	68.7	2.705	4	16	460.1-1429-072A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.9	5.154	83	3.268	2.1	.083	140°	20	0.243	DIN 6537 L
14.29	.563	116.4	4.583	8	16	460.1-1429-107A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.9	8.854	172	6.772	2.1	.083	140°	20	0.339	COROMANT
14.50	.571	45.7	1.799	3	16	460.1-1450-044A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	20	0.233	DIN 6537 K
14.50	.571	68.5	2.697	4	16	460.1-1450-073A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	20	0.264	DIN 6537 L
14.50	.571	118.2	4.654	8	16	460.1-1450-109A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.8	8.850	172	6.772	2.2	.087	140°	20	0.341	COROMANT
14.68	.578	46.2	1.819	3	16	460.1-1468-044A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	20	0.234	DIN 6537 K
14.68	.578	68.3	2.689	4	16	460.1-1468-073A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	20	0.263	DIN 6537 L
14.68	.578	119.7	4.713	8	16	460.1-1468-110A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.8	8.850	172	6.772	2.2	.087	140°	20	0.337	COROMANT
14.70	.579	119.8	4.717	8	16	460.1-1470-110A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.8	8.850	172	6.772	2.2	.087	140°	20	0.349	COROMANT
14.80	.583	46.6	1.835	3	16	460.1-1480-044A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	20	0.234	DIN 6537 K
14.80	.583	68.2	2.685	4	16	460.1-1480-067A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	20	0.266	DIN 6537 L
15.00	.591	47.2	1.858	3	16	460.1-1500-045A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	20	0.240	DIN 6537 K
15.00	.591	68.0	2.677	4	16	460.1-1500-068A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	20	0.271	DIN 6537 L
15.00	.591	122.2	4.811	8	16	460.1-1500-113A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.8	8.850	172	6.772	2.2	.087	140°	20	0.356	COROMANT
15.08	.594	47.5	1.870	3	16	460.1-1508-045A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	20	0.227	DIN 6537 K
15.08	.594	67.9	2.673	4	16	460.1-1508-068A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	20	0.259	DIN 6537 L
15.08	.594	122.9	4.839	8	16	460.1-1508-113A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.8	8.850	172	6.772	2.2	.087	140°	20	0.350	COROMANT
15.10	.594	47.6	1.874	3	16	460.1-1510-045A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	140°	20	0.240	DIN 6537 K
15.10	.594	67.9	2.673	4	16	460.1-1510-068A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	140°	20	0.272	DIN 6537 L
15.10	.594	123.1	4.846	8	16	460.1-1510-113A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.7	8.846	172	6.772	2.3	.091	140°	20	0.350	COROMANT
15.48	.609	48.7	1.917	3	16	460.1-1548-046A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	140°	20	0.245	DIN 6537 K
15.48	.609	67.5	2.657	4	16	460.1-1548-070A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	140°	20	0.280	DIN 6537 L
15.48	.609	126.1	4.965	8	16	460.1-1548-116A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.7	8.846	172	6.772	2.3	.091	140°	20	0.365	COROMANT
15.50	.610	48.8	1.921	3	16	460.1-1550-047A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	140°	20	0.248	DIN 6537 K
15.50	.610	67.5	2.657	4	16	460.1-1550-070A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	140°	20	0.280	DIN 6537 L
15.50	.610	126.3	4.972	8	16	460.1-1550-116A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.7	8.846	172	6.772	2.3	.091	140°	20	0.364	COROMANT
15.70	.618	127.9	5.035	8	16	460.1-1570-118A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.7	8.846	172	6.772	2.3	.091	140°	20	0.390	COROMANT
15.80	.622	49.2	1.937	3	16	460.1-1580-047A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.253	DIN 6537 K
15.80	.622	67.2	2.646	4	16	460.1-1580-071A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.278	DIN 6537 L
15.88	.625	49.1	1.933	3	16	460.1-1588-048A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.241	DIN 6537 K
15.88	.625	67.1	2.642	4	16	460.1-1588-071A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.272	DIN 6537 L
15.88	.625	129.4	5.094	8	16	460.1-1588-119A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.6	8.843	172	6.772	2.4	.094	140°	20	0.389	COROMANT
16.00	.630	49.0	1.929	3	16	460.1-1600-048A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.250	DIN 6537 K
16.00	.630	67.0	2.638	4	16	460.1-1600-072A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.286	DIN 6537 L
16.00	.630	130.4	5.134	8	16	460.1-1600-120A1-XM	☆	☆	☆	☆	☆	☆	16.00	.630	227	8.937	224.6	8.843	172	6.772	2.4	.094	140°	20	0.380	COROMANT
16.27	.641	51.2	2.016	3	18	460.1-1627-049A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.6	4.748	73	2.874	2.4	.094	140°	20	0.314	DIN 6537 K
16.27	.641	76.7	3.020	4	18	460.1-1627-081A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.6	5.535	93	3.661	2.4	.094	140°	20	0.341	DIN 6537 L
16.50	.650	52.0	2.047	3	18	460.1-1650-050A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.5	4.744	73	2.874	2.5	.098	140°	20	0.310	DIN 6537 K
16.50	.650	76.5	3.012	4	18	460.1-1650-074A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.5	5.532	93	3.661	2.5	.098	140°	20	0.343	DIN 6537 L
16.67	.656	52.5	2.067	3	18	460.1-1667-050A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.5	4.744	73	2.874	2.5	.098	140°	20	0.312	DIN 6537 K
16.67	.656	76.3	3.004	4	18	460.1-1667-075A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.5	5.532	93	3.661	2.5	.098	140°	20	0.350	DIN 6537 L
17.00	.669	53.5	2.106	3	18	460.1-1700-051A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.5	4.744	73	2.874	2.5	.098	140°	20	0.324	DIN 6537 K
17.00	.669	76.0	2.992	4	18	460.1-1700-077A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.5	5.532	93	3.661	2.5	.098	140°	20	0.360	DIN 6537 L
17.00	.669	138.5	5.453	8	18	460.1-1700-128A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	246	9.685	243.5	9.587	194	7.638	2.5	.098	140°	20	0.478	COROMANT
17.07	.672	53.7	2.114	3	18	460.1-1707-051A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.5	4.744	73	2.874	2.5	.098	140°	20	0.321	DIN 6537 K
17.07	.672	75.9	2.988	4	18	460.1-1707-077A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.5	5.532	93	3.661	2.5	.098	140°	20	0.356	DIN 6537 L
17.46	.687	55.0	2.165	3	18	460.1-1746-052A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.4	4.740	73	2.874	2.6	.102	140°	20	0.327	DIN 6537 K
17.46	.687	75.5	2.972	4	18	460.1-1746-079A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.4	5.528	93	3.661	2.6	.102	140°	20	0.366	DIN 6537 L

 O5

 Q5

 K230

 K252

 Q1

 Q35

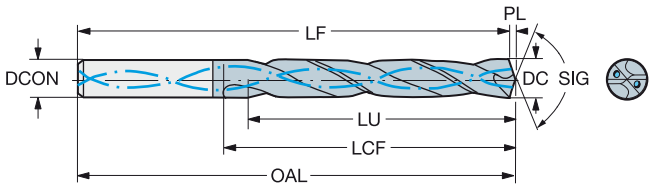
CoroDrill® 460 solid carbide drill

HA shank

Internal coolant supply

TCHA H9
CNSC 1





DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
17.50	.689	55.1	2.169	3	18	460.1-1750-053A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.4	4.740	73	2.874	2.6	.102	140°	20	0.330	DIN 6537 K
17.50	.689	75.5	2.972	4	18	460.1-1750-079A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.4	5.528	93	3.661	2.6	.102	140°	20	0.375	DIN 6537 L
17.50	.689	142.6	5.614	8	18	460.1-1750-131A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	246	9.685	243.4	9.583	194	7.638	2.6	.102	140°	20	0.482	COROMANT
17.80	.701	75.2	2.961	4	18	460.1-1780-080A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	140°	20	0.381	DIN 6537 L
17.86	.703	55.1	2.169	3	18	460.1-1786-054A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.3	4.736	73	2.874	2.7	.106	140°	20	0.336	DIN 6537 K
17.86	.703	75.1	2.957	4	18	460.1-1786-080A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	140°	20	0.376	DIN 6537 L
18.00	.709	56.7	2.232	3	18	460.1-1800-054A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.3	4.736	73	2.874	2.7	.106	140°	20	0.332	DIN 6537 K
18.00	.709	78.6	3.094	4	18	460.1-1800-081A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	140°	20	0.377	DIN 6537 L
18.00	.709	146.7	5.776	8	18	460.1-1800-135A1-XM	☆	☆	☆	☆	☆	☆	18.00	.709	246	9.685	243.3	9.579	194	7.638	2.7	.106	140°	20	0.507	COROMANT
18.26	.719	57.5	2.264	3	20	460.1-1826-055A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.3	5.051	79	3.110	2.7	.106	140°	20	0.398	DIN 6537 K
18.26	.719	86.4	3.402	4	20	460.1-1826-082A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.3	5.917	101	3.976	2.7	.106	140°	20	0.457	DIN 6537 L
18.50	.728	58.3	2.295	3	20	460.1-1850-056A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	79	3.110	2.8	.110	140°	20	0.408	DIN 6537 K
18.50	.728	86.2	3.394	4	20	460.1-1850-083A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.2	5.913	101	3.976	2.8	.110	140°	20	0.454	DIN 6537 L
18.50	.728	150.8	5.937	8	20	460.1-1850-139A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	269	10.591	266.2	10.480	215	8.465	2.8	.110	140°	20	0.608	COROMANT
18.65	.734	58.7	2.311	3	20	460.1-1865-056A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	79	3.110	2.8	.110	140°	20	0.414	DIN 6537 K
18.65	.734	86.1	3.390	4	20	460.1-1865-084A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.2	5.913	101	3.976	2.8	.110	140°	20	0.472	DIN 6537 L
18.80	.740	59.2	2.331	3	20	460.1-1880-056A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	79	3.110	2.8	.110	140°	20	0.412	DIN 6537 K
19.00	.748	59.8	2.354	3	20	460.1-1900-057A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	79	3.110	2.8	.110	140°	20	0.420	DIN 6537 K
19.00	.748	85.8	3.378	4	20	460.1-1900-086A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.2	5.913	101	3.976	2.8	.110	140°	20	0.478	DIN 6537 L
19.00	.748	154.8	6.094	8	20	460.1-1900-143A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	269	10.591	266.2	10.480	215	8.465	2.8	.110	140°	20	0.599	COROMANT
19.05	.750	60.0	2.362	3	20	460.1-1905-057A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	79	3.110	2.8	.110	140°	20	0.421	DIN 6537 K
19.05	.750	85.8	3.378	4	20	460.1-1905-086A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.2	5.913	101	3.976	2.8	.110	140°	20	0.477	DIN 6537 L
19.50	.768	61.4	2.417	3	20	460.1-1950-059A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.1	5.043	79	3.110	2.9	.114	140°	20	0.437	DIN 6537 K
19.50	.768	85.4	3.362	4	20	460.1-1950-088A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.1	5.909	101	3.976	2.9	.114	140°	20	0.483	DIN 6537 L
19.50	.768	158.9	6.256	8	20	460.1-1950-146A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	269	10.591	266.1	10.476	215	8.465	2.9	.114	140°	20	0.641	COROMANT
19.80	.780	62.4	2.457	3	20	460.1-1980-059A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.0	5.039	79	3.110	3.0	.118	140°	20	0.432	DIN 6537 K
19.80	.780	85.2	3.354	4	20	460.1-1980-089A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.0	5.906	101	3.976	3.0	.118	140°	20	0.494	DIN 6537 L
20.00	.787	63.0	2.480	3	20	460.1-2000-060A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.0	5.039	79	3.110	3.0	.118	140°	20	0.432	DIN 6537 K
20.00	.787	85.0	3.346	4	20	460.1-2000-090A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.0	5.906	101	3.976	3.0	.118	140°	20	0.467	DIN 6537 L
20.00	.787	163.0	6.417	8	20	460.1-2000-150A1-XM	☆	☆	☆	☆	☆	☆	20.00	.787	269	10.591	266.0	10.472	215	8.465	3.0	.118	140°	20	0.673	COROMANT

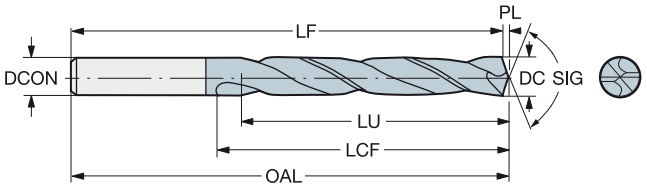
O5 Q5 K230 K252 Q1 Q35

CoroDrill® 460 solid carbide drill

HA shank

TCHA H9
CNSC 0





DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
3.00	.118	9.4	.370	3	6	460.1-0300-009A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	140°	0.020	DIN 6537 K
3.00	.118	15.4	.606	5	6	460.1-0300-015A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.6	2.583	28	1.102	0.4	.016	140°	0.020	DIN 6537 L
3.10	.122	9.7	.382	3	6	460.1-0310-009A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.6	2.425	20	.787	0.4	.016	140°	0.020	DIN 6537 K
3.10	.122	15.9	.626	5	6	460.1-0310-016A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.6	2.583	28	1.102	0.4	.016	140°	0.020	DIN 6537 L
3.18	.125	10.0	.394	3	6	460.1-0318-010A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.18	.125	16.3	.642	5	6	460.1-0318-016A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.020	DIN 6537 L
3.20	.126	10.1	.398	3	6	460.1-0320-010A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.20	.126	16.5	.650	5	6	460.1-0320-016A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.020	DIN 6537 L
3.30	.130	10.4	.409	3	6	460.1-0330-010A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.30	.130	17.0	.669	5	6	460.1-0330-017A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.020	DIN 6537 L
3.40	.134	10.7	.421	3	6	460.1-0340-010A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.40	.134	17.5	.689	5	6	460.1-0340-017A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.020	DIN 6537 L
3.50	.138	11.0	.433	3	6	460.1-0350-011A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.50	.138	18.0	.709	5	6	460.1-0350-018A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.021	DIN 6537 L
3.57	.141	11.2	.441	3	6	460.1-0357-011A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.57	.141	18.4	.724	5	6	460.1-0357-018A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.021	DIN 6537 L
3.60	.142	11.3	.445	3	6	460.1-0360-011A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.60	.142	18.5	.728	5	6	460.1-0360-018A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.021	DIN 6537 L
3.70	.146	11.6	.457	3	6	460.1-0370-011A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.70	.146	19.0	.748	5	6	460.1-0370-019A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.020	DIN 6537 L
3.73	.147	11.7	.461	3	6	460.1-0373-011A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.021	DIN 6537 K
3.80	.150	11.9	.469	3	6	460.1-0380-011A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	24	.945	0.5	.020	140°	0.021	DIN 6537 K
3.80	.150	19.5	.768	5	6	460.1-0380-019A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.5	2.894	36	1.417	0.5	.020	140°	0.021	DIN 6537 L
3.90	.154	12.3	.484	3	6	460.1-0390-012A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.021	DIN 6537 K
3.90	.154	20.1	.791	5	6	460.1-0390-020A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	0.021	DIN 6537 L
3.97	.156	12.5	.492	3	6	460.1-0397-012A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.021	DIN 6537 K
3.97	.156	20.4	.803	5	6	460.1-0397-020A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	0.021	DIN 6537 L
4.00	.157	12.6	.496	3	6	460.1-0400-012A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.022	DIN 6537 K
4.00	.157	20.6	.811	5	6	460.1-0400-020A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	0.022	DIN 6537 L
4.10	.161	12.9	.508	3	6	460.1-0410-012A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.022	DIN 6537 K
4.10	.161	21.1	.831	5	6	460.1-0410-021A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	0.022	DIN 6537 L
4.20	.165	13.2	.520	3	6	460.1-0420-013A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.022	DIN 6537 K
4.20	.165	21.6	.850	5	6	460.1-0420-021A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	0.022	DIN 6537 L
4.30	.169	13.5	.531	3	6	460.1-0430-013A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.022	DIN 6537 K
4.30	.169	22.1	.870	5	6	460.1-0430-022A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	0.023	DIN 6537 L
4.37	.172	13.7	.539	3	6	460.1-0437-013A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.022	DIN 6537 K
4.37	.172	22.5	.886	5	6	460.1-0437-022A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	0.023	DIN 6537 L
4.40	.173	13.8	.543	3	6	460.1-0440-013A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.022	DIN 6537 K
4.40	.173	22.6	.890	5	6	460.1-0440-022A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	0.023	DIN 6537 L
4.50	.177	14.2	.559	3	6	460.1-0450-014A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.023	DIN 6537 K
4.50	.177	23.2	.913	5	6	460.1-0450-023A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	0.023	DIN 6537 L
4.60	.181	14.5	.571	3	6	460.1-0460-014A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.023	DIN 6537 K
4.60	.181	23.7	.933	5	6	460.1-0460-023A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	0.023	DIN 6537 L
4.70	.185	14.6	.575	3	6	460.1-0470-014A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.023	DIN 6537 K
4.70	.185	24.2	.953	5	6	460.1-0470-024A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	0.023	DIN 6537 L
4.76	.187	15.0	.591	3	6	460.1-0476-014A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	0.023	DIN 6537 K
4.76	.187	24.5	.965	5	6	460.1-0476-024A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	0.024	DIN 6537 L
4.80	.189	15.1	.594	3	6	460.1-0480-014A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	0.023	DIN 6537 K
4.80	.189	24.7	.972	5	6	460.1-0480-024A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	0.025	DIN 6537 L

 O5

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 K230

 K252

 Q1

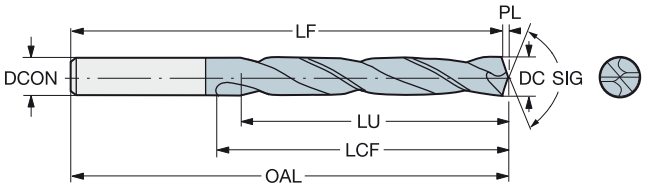
 Q35

CoroDrill® 460 solid carbide drill

HA shank

TCHA H9
CNSC 0





							P	M	K	N	S	H	Dimensions, mm, inch											
DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	GC34	GC34	GC34	GC34	GC34	GC34	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
4.90	.193	15.4	.606	3	6	460.1-0490-015A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	0.023	DIN 6537 K
4.90	.193	25.2	.992	5	6	460.1-0490-025A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	0.025	DIN 6537 L
5.00	.197	15.7	.618	3	6	460.1-0500-015A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	0.023	DIN 6537 K
5.00	.197	25.7	1.012	5	6	460.1-0500-025A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	0.025	DIN 6537 L
5.10	.201	16.0	.630	3	6	460.1-0510-015A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	28	1.102	0.7	.028	140°	0.023	DIN 6537 K
5.10	.201	26.2	1.032	5	6	460.1-0510-026A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.3	3.201	44	1.732	0.7	.028	140°	0.025	DIN 6537 L
5.16	.203	16.2	.638	3	6	460.1-0516-016A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.024	DIN 6537 K
5.16	.203	26.5	1.043	5	6	460.1-0516-026A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	0.026	DIN 6537 L
5.20	.205	16.4	.646	3	6	460.1-0520-016A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.024	DIN 6537 K
5.20	.205	26.8	1.055	5	6	460.1-0520-026A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	0.026	DIN 6537 L
5.50	.217	17.3	.681	3	6	460.1-0550-017A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.024	DIN 6537 K
5.50	.217	28.3	1.114	5	6	460.1-0550-028A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	0.027	DIN 6537 L
5.56	.219	17.5	.689	3	6	460.1-0556-017A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.023	DIN 6537 K
5.56	.219	28.6	1.126	5	6	460.1-0556-028A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	0.027	DIN 6537 L
5.60	.220	17.6	.693	3	6	460.1-0560-017A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.024	DIN 6537 K
5.60	.220	28.8	1.134	5	6	460.1-0560-028A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	0.027	DIN 6537 L
5.70	.224	17.7	.697	3	6	460.1-0570-017A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.025	DIN 6537 K
5.70	.224	29.3	1.154	5	6	460.1-0570-029A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	0.028	DIN 6537 L
5.80	.228	17.6	.693	3	6	460.1-0580-017A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.024	DIN 6537 K
5.80	.228	29.9	1.177	5	6	460.1-0580-029A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	0.028	DIN 6537 L
5.95	.234	17.3	.681	2	6	460.1-0595-018A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.025	DIN 6537 K
5.95	.234	30.6	1.205	5	6	460.1-0595-030A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	0.028	DIN 6537 L
6.00	.236	18.9	.744	3	6	460.1-0600-018A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.025	DIN 6537 K
6.00	.236	30.9	1.217	5	6	460.1-0600-030A0-XM	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	0.028	DIN 6537 L
6.10	.240	19.2	.756	3	8	460.1-0610-018A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	0.044	DIN 6537 K
6.10	.240	31.4	1.236	5	8	460.1-0610-031A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	0.047	DIN 6537 L
6.20	.244	19.5	.768	3	8	460.1-0620-019A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	0.044	DIN 6537 K
6.20	.244	31.9	1.256	5	8	460.1-0620-031A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	0.047	DIN 6537 L
6.30	.248	19.8	.780	3	8	460.1-0630-019A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	0.044	DIN 6537 K
6.30	.248	32.4	1.276	5	8	460.1-0630-032A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	0.048	DIN 6537 L
6.35	.250	20.0	.787	3	8	460.1-0635-019A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	0.041	DIN 6537 K
6.35	.250	32.7	1.287	5	8	460.1-0635-032A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	0.044	DIN 6537 L
6.40	.252	20.1	.791	3	8	460.1-0640-019A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	34	1.339	0.9	.035	140°	0.045	DIN 6537 K
6.40	.252	32.9	1.295	5	8	460.1-0640-032A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.1	3.547	53	2.087	0.9	.035	140°	0.048	DIN 6537 L
6.50	.256	20.5	.807	3	8	460.1-0650-020A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	0.045	DIN 6537 K
6.50	.256	33.5	1.319	5	8	460.1-0650-033A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	0.048	DIN 6537 L
6.60	.260	20.8	.819	3	8	460.1-0660-020A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	0.045	DIN 6537 K
6.60	.260	34.0	1.339	5	8	460.1-0660-033A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	0.048	DIN 6537 L
6.70	.264	21.1	.831	3	8	460.1-0670-020A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	0.045	DIN 6537 K
6.70	.264	34.5	1.358	5	8	460.1-0670-034A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	0.049	DIN 6537 L
6.75	.266	21.2	.835	3	8	460.1-0675-020A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	0.043	DIN 6537 K
6.75	.266	34.7	1.366	5	8	460.1-0675-034A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	0.045	DIN 6537 L
6.80	.268	21.4	.843	3	8	460.1-0680-020A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	0.046	DIN 6537 K
6.80	.268	35.0	1.378	5	8	460.1-0680-034A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	0.049	DIN 6537 L
6.90	.272	21.7	.854	3	8	460.1-0690-021A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	0.047	DIN 6537 K
6.90	.272	35.5	1.398	5	8	460.1-0690-035A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	0.051	DIN 6537 L
7.00	.276	22.0	.866	3	8	460.1-0700-021A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	0.047	DIN 6537 K
7.00	.276	36.0	1.417	5	8	460.1-0700-035A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	0.050	DIN 6537 L
7.10	.280	22.3	.878	3	8	460.1-0710-021A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	41	1.614	1.0	.039	140°	0.046	DIN 6537 K
7.10	.280	36.5	1.437	5	8	460.1-0710-036A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	0.051	DIN 6537 L

O5 Q5 K230 K252 Q1 Q35

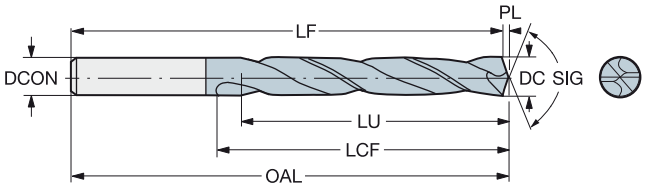
SANDVIK Coromant

CoroDrill® 460 solid carbide drill

HA shank

TCHA H9
CNSC 0





							P	M	K	N	S	H	Dimensions, mm, inch											
DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	GC34	GC34	GC34	GC34	GC34	GC34	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg BSG
7.14	.281	22.5	.886	3	8	460.1-0714-021A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	0.043 DIN 6537 K
7.14	.281	36.8	1.449	5	8	460.1-0714-036A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.051 DIN 6537 L
7.30	.287	23.0	.906	3	8	460.1-0730-022A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	0.046 DIN 6537 K
7.30	.287	37.6	1.480	5	8	460.1-0730-037A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.052 DIN 6537 L
7.40	.291	23.3	.917	3	8	460.1-0740-022A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	0.047 DIN 6537 K
7.40	.291	38.1	1.500	5	8	460.1-0740-037A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.052 DIN 6537 L
7.50	.295	23.6	.929	3	8	460.1-0750-023A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	0.048 DIN 6537 K
7.50	.295	38.6	1.520	5	8	460.1-0750-038A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.053 DIN 6537 L
7.54	.297	23.7	.933	3	8	460.1-0754-023A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	0.048 DIN 6537 K
7.54	.297	38.8	1.528	5	8	460.1-0754-038A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.053 DIN 6537 L
7.60	.299	23.9	.941	3	8	460.1-0760-023A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	0.048 DIN 6537 K
7.60	.299	39.1	1.539	5	8	460.1-0760-038A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.054 DIN 6537 L
7.70	.303	24.2	.953	3	8	460.1-0770-023A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	41	1.614	1.1	.043	140°	0.049 DIN 6537 K
7.70	.303	39.6	1.559	5	8	460.1-0770-039A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.054 DIN 6537 L
7.80	.307	24.6	.969	3	8	460.1-0780-023A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.049 DIN 6537 K
7.80	.307	40.2	1.583	5	8	460.1-0780-039A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.055 DIN 6537 L
7.90	.311	24.9	.980	3	8	460.1-0790-024A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.048 DIN 6537 K
7.90	.311	40.7	1.602	5	8	460.1-0790-040A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.055 DIN 6537 L
7.94	.313	25.0	.984	3	8	460.1-0794-024A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.046 DIN 6537 K
7.94	.313	40.9	1.610	5	8	460.1-0794-040A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.051 DIN 6537 L
8.00	.315	25.2	.992	3	8	460.1-0800-024A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.049 DIN 6537 K
8.00	.315	41.2	1.622	5	8	460.1-0800-040A0-XM	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.056 DIN 6537 L
8.10	.319	25.5	1.004	3	10	460.1-0810-024A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	140°	0.074 DIN 6537 K
8.10	.319	41.7	1.642	5	10	460.1-0810-041A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.8	4.008	61	2.402	1.2	.047	140°	0.079 DIN 6537 L
8.20	.323	25.8	1.016	3	10	460.1-0820-025A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	140°	0.074 DIN 6537 K
8.20	.323	42.2	1.661	5	10	460.1-0820-041A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.8	4.008	61	2.402	1.2	.047	140°	0.080 DIN 6537 L
8.33	.328	26.2	1.032	3	10	460.1-0833-025A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	140°	0.073 DIN 6537 K
8.33	.328	42.9	1.689	5	10	460.1-0833-042A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.8	4.008	61	2.402	1.2	.047	140°	0.079 DIN 6537 L
8.40	.331	26.4	1.039	3	10	460.1-0840-025A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	47	1.850	1.2	.047	140°	0.075 DIN 6537 K
8.40	.331	43.2	1.701	5	10	460.1-0840-042A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.8	4.008	61	2.402	1.2	.047	140°	0.082 DIN 6537 L
8.50	.335	26.8	1.055	3	10	460.1-0850-026A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	0.076 DIN 6537 K
8.50	.335	43.8	1.724	5	10	460.1-0850-043A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	0.082 DIN 6537 L
8.60	.339	27.1	1.067	3	10	460.1-0860-026A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	0.076 DIN 6537 K
8.60	.339	44.3	1.744	5	10	460.1-0860-043A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	0.083 DIN 6537 L
8.70	.343	27.4	1.079	3	10	460.1-0870-026A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	0.072 DIN 6537 K
8.70	.343	44.8	1.764	5	10	460.1-0870-044A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	0.084 DIN 6537 L
8.73	.344	27.5	1.083	3	10	460.1-0873-026A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	0.075 DIN 6537 K
8.73	.344	44.9	1.768	5	10	460.1-0873-044A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	0.082 DIN 6537 L
8.80	.346	27.7	1.091	3	10	460.1-0880-026A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	0.077 DIN 6537 K
8.80	.346	45.3	1.783	5	10	460.1-0880-044A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	0.084 DIN 6537 L
8.90	.350	45.8	1.803	5	10	460.1-0890-045A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	0.085 DIN 6537 L
9.00	.354	28.3	1.114	3	10	460.1-0900-027A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	0.078 DIN 6537 K
9.00	.354	46.3	1.823	5	10	460.1-0900-045A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	0.086 DIN 6537 L
9.10	.358	28.6	1.126	3	10	460.1-0910-027A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	47	1.850	1.3	.051	140°	0.077 DIN 6537 K
9.10	.358	46.8	1.843	5	10	460.1-0910-046A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.7	4.004	61	2.402	1.3	.051	140°	0.083 DIN 6537 L
9.13	.359	28.7	1.130	3	10	460.1-0913-027A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.077 DIN 6537 K
9.13	.359	47.0	1.850	5	10	460.1-0913-046A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.083 DIN 6537 L
9.30	.366	29.3	1.154	3	10	460.1-0930-028A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.077 DIN 6537 K
9.30	.366	47.9	1.886	5	10	460.1-0930-047A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.086 DIN 6537 L

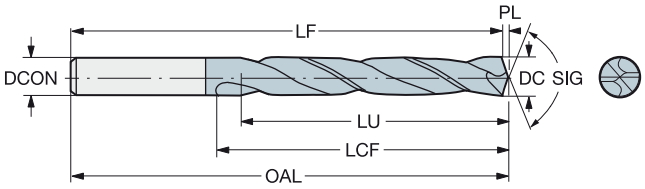
O5 Q5 K230 K252 Q1 Q35

CoroDrill® 460 solid carbide drill

HA shank

TCHA H9
CNSC 0





DC	DC"	LU	LU"	ULDR	CZC$_{MS}$	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
9.40	.370	29.6	1.165	3	10	460.1-0940-028A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.074	DIN 6537 K
9.40	.370	48.4	1.906	5	10	460.1-0940-047A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.085	DIN 6537 L
9.50	.374	29.9	1.177	3	10	460.1-0950-029A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.078	DIN 6537 K
9.50	.374	48.7	1.917	5	10	460.1-0950-048A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.087	DIN 6537 L
9.53	.375	30.0	1.181	3	10	460.1-0953-029A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.080	DIN 6537 K
9.53	.375	48.6	1.913	5	10	460.1-0953-048A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.089	DIN 6537 L
9.60	.378	30.2	1.189	3	10	460.1-0960-029A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.079	DIN 6537 K
9.60	.378	48.5	1.909	5	10	460.1-0960-048A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.088	DIN 6537 L
9.70	.382	30.5	1.201	3	10	460.1-0970-029A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.079	DIN 6537 K
9.70	.382	48.4	1.906	4	10	460.1-0970-049A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.087	DIN 6537 L
9.80	.386	30.9	1.217	3	10	460.1-0980-029A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.081	DIN 6537 K
9.80	.386	48.3	1.902	4	10	460.1-0980-049A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.090	DIN 6537 L
9.90	.390	31.2	1.228	3	10	460.1-0990-030A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.079	DIN 6537 K
9.90	.390	48.1	1.894	4	10	460.1-0990-050A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.090	DIN 6537 L
9.92	.391	31.2	1.228	3	10	460.1-0992-030A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.082	DIN 6537 K
9.92	.391	48.1	1.894	4	10	460.1-0992-050A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.091	DIN 6537 L
10.00	.394	31.5	1.240	3	10	460.1-1000-030A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.081	DIN 6537 K
10.00	.394	48.0	1.890	4	10	460.1-1000-050A0-XM	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.090	DIN 6537 L
10.10	.398	31.8	1.252	3	12	460.1-1010-030A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	0.117	DIN 6537 K
10.10	.398	52.0	2.047	5	12	460.1-1010-051A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	0.130	DIN 6537 L
10.20	.402	32.1	1.264	3	12	460.1-1020-031A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	0.122	DIN 6537 K
10.20	.402	52.5	2.067	5	12	460.1-1020-051A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	0.131	DIN 6537 L
10.30	.406	32.4	1.276	3	12	460.1-1030-031A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	0.117	DIN 6537 K
10.30	.406	53.0	2.087	5	12	460.1-1030-052A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	0.131	DIN 6537 L
10.32	.406	32.5	1.280	3	12	460.1-1032-031A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	0.118	DIN 6537 K
10.32	.406	53.1	2.091	5	12	460.1-1032-052A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	0.130	DIN 6537 L
10.40	.409	32.7	1.287	3	12	460.1-1040-031A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	55	2.165	1.5	.059	140°	0.118	DIN 6537 K
10.40	.409	53.5	2.106	5	12	460.1-1040-052A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.5	4.587	71	2.795	1.5	.059	140°	0.133	DIN 6537 L
10.50	.413	33.1	1.303	3	12	460.1-1050-032A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	140°	0.119	DIN 6537 K
10.50	.413	54.1	2.130	5	12	460.1-1050-053A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	140°	0.133	DIN 6537 L
10.60	.417	33.4	1.315	3	12	460.1-1060-032A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	140°	0.125	DIN 6537 K
10.60	.417	54.6	2.150	5	12	460.1-1060-053A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	140°	0.135	DIN 6537 L
10.72	.422	33.7	1.327	3	12	460.1-1072-032A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	140°	0.120	DIN 6537 K
10.72	.422	55.2	2.173	5	12	460.1-1072-054A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	140°	0.136	DIN 6537 L
10.80	.425	34.0	1.339	3	12	460.1-1080-032A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	140°	0.124	DIN 6537 K
11.00	.433	34.6	1.362	3	12	460.1-1100-033A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.4	3.953	55	2.165	1.6	.063	140°	0.128	DIN 6537 K
11.00	.433	56.6	2.228	5	12	460.1-1100-055A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.4	4.583	71	2.795	1.6	.063	140°	0.139	DIN 6537 L
11.11	.437	35.0	1.378	3	12	460.1-1111-033A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.126	DIN 6537 K
11.11	.437	57.2	2.252	5	12	460.1-1111-056A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	0.138	DIN 6537 L
11.20	.441	35.3	1.390	3	12	460.1-1120-034A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.125	DIN 6537 K
11.20	.441	57.6	2.268	5	12	460.1-1120-056A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	0.140	DIN 6537 L
11.40	.449	35.9	1.413	3	12	460.1-1140-034A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.130	DIN 6537 K
11.40	.449	57.3	2.256	5	12	460.1-1140-057A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	0.144	DIN 6537 L
11.50	.453	36.2	1.425	3	12	460.1-1150-035A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.127	DIN 6537 K
11.50	.453	57.2	2.252	4	12	460.1-1150-058A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	0.145	DIN 6537 L
11.51	.453	36.2	1.425	3	12	460.1-1151-035A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.128	DIN 6537 K
11.51	.453	57.2	2.252	4	12	460.1-1151-058A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	0.144	DIN 6537 L
11.60	.457	36.5	1.437	3	12	460.1-1160-035A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.132	DIN 6537 K
11.60	.457	57.1	2.248	4	12	460.1-1160-058A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	0.147	DIN 6537 L

O5 Q5 K230 K252 Q1 Q35

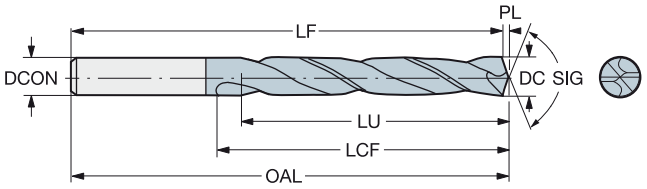
SANDVIK Coromant

CoroDrill® 460 solid carbide drill

HA shank

TCHA H9
CNSC 0





DC	DC"	LU	LU"	ULDR	CZC$_{MS}$	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
11.80	.465	37.2	1.465	3	12	460.1-1180-035A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.134	DIN 6537 K
11.80	.465	56.8	2.236	4	12	460.1-1180-059A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	0.147	DIN 6537 L
11.91	.469	37.5	1.476	3	12	460.1-1191-036A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.131	DIN 6537 K
11.91	.469	56.7	2.232	4	12	460.1-1191-060A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	0.150	DIN 6537 L
12.00	.472	37.8	1.488	3	12	460.1-1200-036A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.132	DIN 6537 K
12.00	.472	56.6	2.228	4	12	460.1-1200-060A0-XM	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	0.148	DIN 6537 L
12.10	.476	38.1	1.500	3	14	460.1-1210-036A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	140°	0.170	DIN 6537 K
12.10	.476	62.3	2.453	5	14	460.1-1210-061A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.2	4.811	77	3.032	1.8	.071	140°	0.186	DIN 6537 L
12.20	.480	38.4	1.512	3	14	460.1-1220-037A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	140°	0.170	DIN 6537 K
12.20	.480	62.4	2.457	5	14	460.1-1220-061A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.2	4.811	77	3.032	1.8	.071	140°	0.186	DIN 6537 L
12.30	.484	38.7	1.524	3	14	460.1-1230-037A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	60	2.362	1.8	.071	140°	0.170	DIN 6537 K
12.30	.484	62.2	2.449	5	14	460.1-1230-062A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.2	4.811	77	3.032	1.8	.071	140°	0.186	DIN 6537 L
12.50	.492	39.4	1.551	3	14	460.1-1250-038A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	140°	0.172	DIN 6537 K
12.50	.492	62.0	2.441	4	14	460.1-1250-063A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.1	4.807	77	3.032	1.9	.075	140°	0.188	DIN 6537 L
12.70	.500	40.0	1.575	3	14	460.1-1270-038A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	140°	0.173	DIN 6537 K
12.70	.500	61.8	2.433	4	14	460.1-1270-064A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.1	4.807	77	3.032	1.9	.075	140°	0.194	DIN 6537 L
12.80	.504	40.3	1.587	3	14	460.1-1280-038A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	140°	0.177	DIN 6537 K
12.80	.504	61.6	2.425	4	14	460.1-1280-064A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.1	4.807	77	3.032	1.9	.075	140°	0.194	DIN 6537 L
13.00	.512	40.9	1.610	3	14	460.1-1300-039A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.1	4.138	60	2.362	1.9	.075	140°	0.175	DIN 6537 K
13.00	.512	61.4	2.417	4	14	460.1-1300-065A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.1	4.807	77	3.032	1.9	.075	140°	0.197	DIN 6537 L
13.10	.516	41.2	1.622	3	14	460.1-1310-039A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	0.178	DIN 6537 K
13.10	.516	61.3	2.413	4	14	460.1-1310-066A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	0.197	DIN 6537 L
13.49	.531	42.5	1.673	3	14	460.1-1349-041A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	0.180	DIN 6537 K
13.49	.531	60.8	2.394	4	14	460.1-1349-061A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	0.203	DIN 6537 L
13.50	.531	42.5	1.673	3	14	460.1-1350-041A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.0	4.134	60	2.362	2.0	.079	140°	0.182	DIN 6537 K
13.50	.531	60.8	2.394	4	14	460.1-1350-061A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	122.0	4.803	77	3.032	2.0	.079	140°	0.202	DIN 6537 L
13.80	.543	43.4	1.709	3	14	460.1-1380-041A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.188	DIN 6537 K
13.80	.543	60.4	2.378	4	14	460.1-1380-062A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	0.210	DIN 6537 L
13.89	.547	43.3	1.705	3	14	460.1-1389-042A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.184	DIN 6537 K
13.89	.547	60.3	2.374	4	14	460.1-1389-063A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	0.210	DIN 6537 L
14.00	.551	44.1	1.736	3	14	460.1-1400-042A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.185	DIN 6537 K
14.00	.551	63.0	2.480	4	14	460.1-1400-063A0-XM	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	0.210	DIN 6537 L
14.25	.561	44.9	1.768	3	16	460.1-1425-043A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.9	4.445	65	2.559	2.1	.083	140°	0.240	DIN 6537 K
14.25	.561	68.8	2.709	4	16	460.1-1425-071A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.9	5.154	83	3.268	2.1	.083	140°	0.268	DIN 6537 L
14.29	.563	45.0	1.772	3	16	460.1-1429-043A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.9	4.445	65	2.559	2.1	.083	140°	0.238	DIN 6537 K
14.29	.563	68.7	2.705	4	16	460.1-1429-072A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.9	5.154	83	3.268	2.1	.083	140°	0.263	DIN 6537 L
14.50	.571	45.7	1.799	3	16	460.1-1450-044A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	0.245	DIN 6537 K
14.50	.571	68.5	2.697	4	16	460.1-1450-073A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	0.274	DIN 6537 L
14.68	.578	46.2	1.819	3	16	460.1-1468-044A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	0.244	DIN 6537 K
14.68	.578	68.3	2.689	4	16	460.1-1468-073A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	0.274	DIN 6537 L
14.80	.583	46.6	1.835	3	16	460.1-1480-044A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	0.248	DIN 6537 K
14.80	.583	68.2	2.685	4	16	460.1-1480-067A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	0.275	DIN 6537 L
15.00	.591	47.2	1.858	3	16	460.1-1500-045A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	0.245	DIN 6537 K
15.00	.591	68.0	2.677	4	16	460.1-1500-068A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	0.280	DIN 6537 L
15.08	.594	47.5	1.870	3	16	460.1-1508-045A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.8	4.441	65	2.559	2.2	.087	140°	0.246	DIN 6537 K
15.08	.594	67.9	2.673	4	16	460.1-1508-068A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.8	5.150	83	3.268	2.2	.087	140°	0.275	DIN 6537 L
15.10	.594	47.6	1.874	3	16	460.1-1510-045A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	140°	0.250	DIN 6537 K
15.10	.594	67.9	2.673	4	16	460.1-1510-068A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	140°	0.285	DIN 6537 L
15.48	.609	48.7	1.917	3	16	460.1-1548-046A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	140°	0.254	DIN 6537 K
15.48	.609	67.5	2.657	4	16	460.1-1548-070A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	140°	0.230	DIN 6537 L

 O5

 Q5

 K230

 K252

 Q1

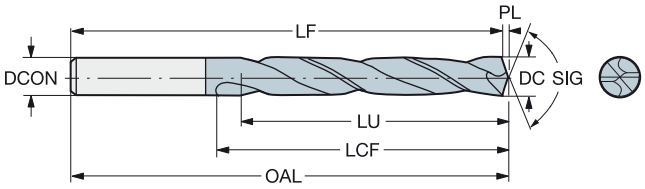
 Q35

CoroDrill® 460 solid carbide drill

HA shank

TCHA H9
CNSC 0





DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P GC34	M GC34	K GC34	N GC34	S GC34	H GC34	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
15.50	.610	48.8	1.921	3	16	460.1-1550-047A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.7	4.437	65	2.559	2.3	.091	140°	0.256	DIN 6537 K
15.50	.610	67.5	2.657	4	16	460.1-1550-070A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.7	5.146	83	3.268	2.3	.091	140°	0.290	DIN 6537 L
15.80	.622	49.2	1.937	3	16	460.1-1580-047A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	0.257	DIN 6537 K
15.80	.622	67.2	2.646	4	16	460.1-1580-071A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	0.288	DIN 6537 L
15.88	.625	49.1	1.933	3	16	460.1-1588-047A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	0.256	DIN 6537 K
15.88	.625	67.1	2.642	4	16	460.1-1588-071A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	0.291	DIN 6537 L
16.00	.630	49.0	1.929	3	16	460.1-1600-048A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	0.259	DIN 6537 K
16.00	.630	67.0	2.638	4	16	460.1-1600-072A0-XM	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	0.293	DIN 6537 L
16.27	.641	51.2	2.016	3	18	460.1-1627-049A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.6	4.748	73	2.874	2.4	.094	140°	0.321	DIN 6537 K
16.27	.641	76.7	3.020	4	18	460.1-1627-081A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.6	5.535	93	3.661	2.4	.094	140°	0.358	DIN 6537 L
16.50	.650	52.0	2.047	3	18	460.1-1650-050A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.5	4.744	73	2.874	2.5	.098	140°	0.320	DIN 6537 K
16.50	.650	76.5	3.012	4	18	460.1-1650-074A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.5	5.532	93	3.661	2.5	.098	140°	0.365	DIN 6537 L
16.67	.656	52.5	2.067	3	18	460.1-1667-050A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.5	4.744	73	2.874	2.5	.098	140°	0.329	DIN 6537 K
16.67	.656	76.3	3.004	4	18	460.1-1667-075A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.5	5.532	93	3.661	2.5	.098	140°	0.367	DIN 6537 L
17.00	.669	53.5	2.106	3	18	460.1-1700-051A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.5	4.744	73	2.874	2.5	.098	140°	0.334	DIN 6537 K
17.00	.669	76.0	2.992	4	18	460.1-1700-077A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.5	5.532	93	3.661	2.5	.098	140°	0.378	DIN 6537 L
17.07	.672	53.7	2.114	3	18	460.1-1707-051A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.5	4.744	73	2.874	2.5	.098	140°	0.330	DIN 6537 K
17.07	.672	75.9	2.988	4	18	460.1-1707-077A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.5	5.532	93	3.661	2.5	.098	140°	0.375	DIN 6537 L
17.46	.687	55.0	2.165	3	18	460.1-1746-052A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.4	4.740	73	2.874	2.6	.102	140°	0.340	DIN 6537 K
17.46	.687	75.5	2.972	4	18	460.1-1746-079A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.4	5.528	93	3.661	2.6	.102	140°	0.375	DIN 6537 L
17.50	.689	55.1	2.169	3	18	460.1-1750-053A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.4	4.740	73	2.874	2.6	.102	140°	0.344	DIN 6537 K
17.50	.689	75.5	2.972	4	18	460.1-1750-079A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.4	5.528	93	3.661	2.6	.102	140°	0.392	DIN 6537 L
17.80	.701	55.2	2.173	3	18	460.1-1780-053A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.3	4.736	73	2.874	2.7	.106	140°	0.400	DIN 6537 K
17.80	.701	75.2	2.961	4	18	460.1-1780-080A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	140°	0.390	DIN 6537 L
17.86	.703	55.1	2.169	3	18	460.1-1786-054A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.3	4.736	73	2.874	2.7	.106	140°	0.350	DIN 6537 K
17.86	.703	75.1	2.957	4	18	460.1-1786-080A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	140°	0.390	DIN 6537 L
18.00	.709	56.7	2.232	3	18	460.1-1800-054A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.3	4.736	73	2.874	2.7	.106	140°	0.352	DIN 6537 K
18.00	.709	78.6	3.094	4	18	460.1-1800-081A0-XM	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.3	5.524	93	3.661	2.7	.106	140°	0.385	DIN 6537 L
18.26	.719	57.5	2.264	3	20	460.1-1826-055A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.3	5.051	79	3.110	2.7	.106	140°	0.421	DIN 6537 K
18.26	.719	86.4	3.402	4	20	460.1-1826-082A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.3	5.917	101	3.976	2.7	.106	140°	0.477	DIN 6537 L
18.50	.728	58.3	2.295	3	20	460.1-1850-056A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	79	3.110	2.8	.110	140°	0.416	DIN 6537 K
18.50	.728	86.2	3.394	4	20	460.1-1850-083A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.2	5.913	101	3.976	2.8	.110	140°	0.472	DIN 6537 L
18.65	.734	58.7	2.311	3	20	460.1-1865-056A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	79	3.110	2.8	.110	140°	0.430	DIN 6537 K
18.65	.734	86.1	3.390	4	20	460.1-1865-084A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.2	5.913	101	3.976	2.8	.110	140°	0.484	DIN 6537 L
19.00	.748	59.8	2.354	3	20	460.1-1900-057A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	79	3.110	2.8	.110	140°	0.429	DIN 6537 K
19.00	.748	85.8	3.378	4	20	460.1-1900-086A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.2	5.913	101	3.976	2.8	.110	140°	0.485	DIN 6537 L
19.05	.750	60.0	2.362	3	20	460.1-1905-057A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	79	3.110	2.8	.110	140°	0.438	DIN 6537 K
19.05	.750	85.8	3.378	4	20	460.1-1905-086A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.2	5.913	101	3.976	2.8	.110	140°	0.490	DIN 6537 L
19.50	.768	61.4	2.417	3	20	460.1-1950-059A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.1	5.043	79	3.110	2.9	.114	140°	0.445	DIN 6537 K
19.50	.768	85.4	3.362	4	20	460.1-1950-088A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.1	5.909	101	3.976	2.9	.114	140°	0.494	DIN 6537 L
19.80	.780	62.4	2.457	3	20	460.1-1980-059A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.0	5.039	79	3.110	3.0	.118	140°	0.446	DIN 6537 K
19.80	.780	85.2	3.354	4	20	460.1-1980-089A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.0	5.906	101	3.976	3.0	.118	140°	0.508	DIN 6537 L
20.00	.787	63.0	2.480	3	20	460.1-2000-060A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.0	5.039	79	3.110	3.0	.118	140°	0.440	DIN 6537 K
20.00	.787	85.0	3.346	4	20	460.1-2000-090A0-XM	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	150.0	5.906	101	3.976	3.0	.118	140°	0.499	DIN 6537 L

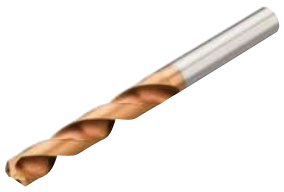
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SANDVIK Coromant

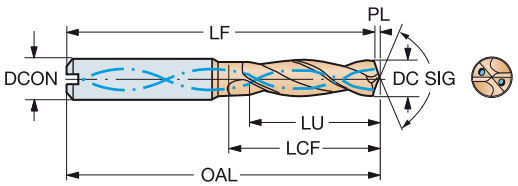
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.00	.118	9.5	.374	3	6	R840-0300-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.027	DIN 6537 K
3.00	.118	15.5	.610	5	6	R840-0300-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.027	DIN 6537 L
3.10	.122	9.8	.386	3	6	R840-0310-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.027	DIN 6537 K
3.10	.122	16.0	.630	5	6	R840-0310-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.027	DIN 6537 L
3.17	.125	10.0	.394	3	6	R840-0317-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.026	DIN 6537 K
3.17	.125	16.4	.646	5	6	R840-0317-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.027	DIN 6537 L
3.20	.126	10.1	.398	3	6	R840-0320-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	20	0.027	DIN 6537 K
3.20	.126	16.5	.650	5	6	R840-0320-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	20	0.027	DIN 6537 L
3.30	.130	10.5	.413	3	6	R840-0330-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.027	DIN 6537 K
3.30	.130	17.1	.673	5	6	R840-0330-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.027	DIN 6537 L
3.40	.134	10.8	.425	3	6	R840-0340-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.027	DIN 6537 K
3.40	.134	17.6	.693	5	6	R840-0340-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.026	DIN 6537 L
3.45	.136	10.9	.429	3	6	R840-0345-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.027	DIN 6537 K
3.45	.136	17.8	.701	5	6	R840-0345-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.027	DIN 6537 L
3.50	.138	11.1	.437	3	6	R840-0350-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.027	DIN 6537 K
3.50	.138	18.1	.713	5	6	R840-0350-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.027	DIN 6537 L
3.55	.140	11.2	.441	3	6	R840-0355-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.027	DIN 6537 K
3.55	.140	18.3	.720	5	6	R840-0355-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.027	DIN 6537 L
3.57	.141	11.3	.445	3	6	R840-0357-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.027	DIN 6537 K
3.57	.141	18.5	.728	5	6	R840-0357-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.035	DIN 6537 L
3.60	.142	11.4	.449	3	6	R840-0360-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.027	DIN 6537 K
3.60	.142	18.6	.732	5	6	R840-0360-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.025	DIN 6537 L
3.70	.146	11.7	.461	3	6	R840-0370-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	20	0.028	DIN 6537 K
3.70	.146	19.1	.752	5	6	R840-0370-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	20	0.027	DIN 6537 L
3.80	.150	12.0	.472	3	6	R840-0380-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	20	0.025	DIN 6537 K
3.80	.150	19.6	.772	5	6	R840-0380-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	20	0.028	DIN 6537 L
3.90	.154	12.4	.488	3	6	R840-0390-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.028	DIN 6537 K
3.90	.154	20.2	.795	5	6	R840-0390-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.028	DIN 6537 L
3.97	.156	12.6	.496	3	6	R840-0397-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.027	DIN 6537 K
3.97	.156	20.5	.807	5	6	R840-0397-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.028	DIN 6537 L
4.00	.157	12.7	.500	3	6	R840-0400-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.028	DIN 6537 K
4.00	.157	20.7	.815	5	6	R840-0400-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.031	DIN 6537 L
4.10	.161	13.0	.512	3	6	R840-0410-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.029	DIN 6537 K
4.10	.161	21.2	.835	5	6	R840-0410-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.031	DIN 6537 L
4.20	.165	13.3	.524	3	6	R840-0420-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.029	DIN 6537 K
4.20	.165	21.7	.854	5	6	R840-0420-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.028	DIN 6537 L
4.30	.169	13.6	.535	3	6	R840-0430-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.050	DIN 6537 K
4.30	.169	22.2	.874	5	6	R840-0430-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.032	DIN 6537 L
4.36	.172	13.8	.543	3	6	R840-0436-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.029	DIN 6537 K
4.36	.172	22.5	.886	5	6	R840-0436-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.032	DIN 6537 L
4.40	.173	13.9	.547	3	6	R840-0440-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	20	0.029	DIN 6537 K
4.40	.173	22.7	.894	5	6	R840-0440-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	20	0.031	DIN 6537 L
4.50	.177	14.3	.563	3	6	R840-0450-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	20	0.029	DIN 6537 K
4.50	.177	23.3	.917	5	6	R840-0450-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	20	0.032	DIN 6537 L
4.55	.179	14.4	.567	3	6	R840-0455-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	20	0.029	DIN 6537 K
4.55	.179	23.5	.925	5	6	R840-0455-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	20	0.032	DIN 6537 L
4.60	.181	14.6	.575	3	6	R840-0460-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	20	0.030	DIN 6537 K
4.60	.181	23.8	.937	5	6	R840-0460-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	20	0.027	DIN 6537 L

 O5

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 K252

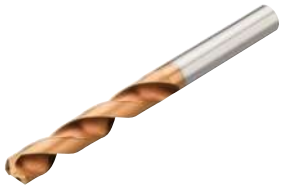
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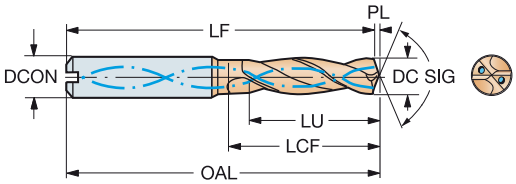
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
4.70	.185	14.6	.575	3	6	R840-0470-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	20	0.025	DIN 6537 K
4.70	.185	24.3	.957	5	6	R840-0470-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	20	0.032	DIN 6537 L
4.76	.187	15.1	.594	3	6	R840-0476-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.025	DIN 6537 K
4.76	.187	24.6	.969	5	6	R840-0476-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.033	DIN 6537 L
4.80	.189	15.2	.598	3	6	R840-0480-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.029	DIN 6537 K
4.80	.189	24.8	.976	5	6	R840-0480-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.033	DIN 6537 L
4.90	.193	15.5	.610	3	6	R840-0490-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.029	DIN 6537 K
4.90	.193	25.3	.996	5	6	R840-0490-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.034	DIN 6537 L
5.00	.197	15.8	.622	3	6	R840-0500-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.040	DIN 6537 K
5.00	.197	25.8	1.016	5	6	R840-0500-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.034	DIN 6537 L
5.00	.197	35.8	1.409	7	6	R840-0500-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.2	3.630	50	1.969	0.8	.031	140°	20	0.036	COROMANT
5.10	.201	16.2	.638	3	6	R840-0510-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.030	DIN 6537 K
5.10	.201	26.4	1.039	5	6	R840-0510-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.031	DIN 6537 L
5.10	.201	36.6	1.441	7	6	R840-0510-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.1	3.626	50	1.969	0.9	.035	140°	20	0.036	COROMANT
5.16	.203	16.4	.646	3	6	R840-0516-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.035	DIN 6537 K
5.16	.203	26.7	1.051	5	6	R840-0516-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.032	DIN 6537 L
5.16	.203	37.0	1.457	7	6	R840-0516-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.1	3.626	50	1.969	0.9	.035	140°	20	0.037	COROMANT
5.20	.205	16.5	.650	3	6	R840-0520-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.040	DIN 6537 K
5.20	.205	26.9	1.059	5	6	R840-0520-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.031	DIN 6537 L
5.20	.205	37.3	1.469	7	6	R840-0520-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.1	3.626	50	1.969	0.9	.035	140°	20	0.037	COROMANT
5.30	.209	27.4	1.079	5	6	R840-0525-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.032	DIN 6537 L
5.30	.209	16.8	.661	3	6	R840-0530-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.020	DIN 6537 K
5.30	.209	27.4	1.079	5	6	R840-0530-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.040	DIN 6537 L
5.30	.209	38.0	1.496	7	6	R840-0530-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.1	3.626	50	1.969	0.9	.035	140°	20	0.037	COROMANT
5.40	.213	17.1	.673	3	6	R840-0540-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.031	DIN 6537 K
5.40	.213	27.9	1.098	5	6	R840-0540-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.040	DIN 6537 L
5.40	.213	38.7	1.524	7	6	R840-0540-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.1	3.626	50	1.969	0.9	.035	140°	20	0.038	COROMANT
5.50	.217	17.4	.685	3	6	R840-0550-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.040	DIN 6537 K
5.50	.217	28.4	1.118	5	6	R840-0550-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.040	DIN 6537 L
5.55	.219	39.8	1.567	7	6	R840-0550-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.1	3.626	50	1.969	0.9	.035	140°	20	0.039	COROMANT
5.56	.219	28.7	1.130	5	6	R840-0555-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.033	DIN 6537 L
5.56	.219	17.6	.693	3	6	R840-0556-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.030	DIN 6537 K
5.56	.219	28.7	1.130	5	6	R840-0556-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.040	DIN 6537 L
5.56	.219	39.8	1.567	7	6	R840-0556-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.1	3.626	50	1.969	0.9	.035	140°	20	0.039	COROMANT
5.60	.220	17.8	.701	3	6	R840-0560-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.040	DIN 6537 K
5.60	.220	29.0	1.142	5	6	R840-0560-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.035	DIN 6537 L
5.60	.220	39.9	1.571	7	6	R840-0560-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.0	3.622	50	1.969	1.0	.039	140°	20	0.039	COROMANT
5.70	.224	17.7	.697	3	6	R840-0570-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.040	DIN 6537 K
5.70	.224	29.5	1.161	5	6	R840-0570-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.035	DIN 6537 L
5.70	.224	39.7	1.563	6	6	R840-0570-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.0	3.622	50	1.969	1.0	.039	140°	20	0.096	COROMANT
5.80	.228	17.6	.693	3	6	R840-0580-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.040	DIN 6537 K
5.80	.228	30.0	1.181	5	6	R840-0580-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.035	DIN 6537 L
5.80	.228	39.6	1.559	6	6	R840-0580-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.0	3.622	50	1.969	1.0	.039	140°	20	0.040	COROMANT
5.90	.232	17.4	.685	2	6	R840-0590-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.030	DIN 6537 K
5.90	.232	30.5	1.201	5	6	R840-0590-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.036	DIN 6537 L
5.90	.232	39.4	1.551	6	6	R840-0590-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.0	3.622	50	1.969	1.0	.039	140°	20	0.040	COROMANT
5.95	.234	17.3	.681	2	6	R840-0595-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.040	DIN 6537 K
5.95	.234	30.8	1.213	5	6	R840-0595-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.030	DIN 6537 L
5.95	.234	39.3	1.547	6	6	R840-0595-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.0	3.622	50	1.969	1.0	.039	140°	20	0.041	COROMANT

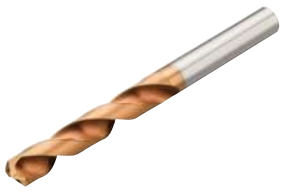
O5 Q5 K252 Q1 Q35

SANDVIK Coromant

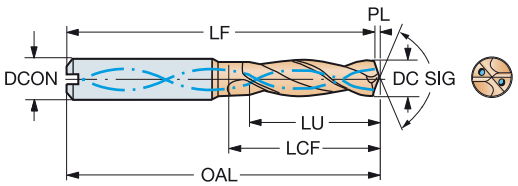
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
6.00	.236	19.0	.748	3	6	R840-0600-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.040	DIN 6537 K
6.00	.236	31.0	1.220	5	6	R840-0600-50-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.040	DIN 6537 L
6.00	.236	41.0	1.614	6	6	R840-0600-70-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	93	3.661	92.0	3.622	50	1.969	1.0	.039	140°	20	0.041	COROMANT
6.10	.240	19.3	.760	3	8	R840-0610-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.064	DIN 6537 K
6.10	.240	31.5	1.240	5	8	R840-0610-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.046	DIN 6537 L
6.10	.240	43.7	1.720	7	8	R840-0610-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	104.0	4.094	59	2.323	1.0	.039	140°	20	0.064	COROMANT
6.20	.244	19.7	.776	3	8	R840-0620-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.064	DIN 6537 K
6.20	.244	32.1	1.264	5	8	R840-0620-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.047	DIN 6537 L
6.20	.244	44.5	1.752	7	8	R840-0620-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.9	4.091	59	2.323	1.1	.043	140°	20	0.063	COROMANT
6.30	.248	20.0	.787	3	8	R840-0630-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.040	DIN 6537 K
6.30	.248	32.6	1.283	5	8	R840-0630-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.040	DIN 6537 L
6.30	.248	45.2	1.780	7	8	R840-0630-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.9	4.091	59	2.323	1.1	.043	140°	20	0.062	COROMANT
6.35	.250	20.1	.791	3	8	R840-0635-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.048	DIN 6537 K
6.35	.250	32.8	1.291	5	8	R840-0635-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.047	DIN 6537 L
6.35	.250	45.5	1.791	7	8	R840-0635-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.9	4.091	59	2.323	1.1	.043	140°	20	0.062	COROMANT
6.40	.252	20.3	.799	3	8	R840-0640-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.062	DIN 6537 K
6.40	.252	33.1	1.303	5	8	R840-0640-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.072	DIN 6537 L
6.40	.252	45.9	1.807	7	8	R840-0640-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.9	4.091	59	2.323	1.1	.043	140°	20	0.073	COROMANT
6.50	.256	20.6	.811	3	8	R840-0650-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.073	DIN 6537 K
6.50	.256	33.6	1.323	5	8	R840-0650-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.049	DIN 6537 L
6.50	.256	46.6	1.835	7	8	R840-0650-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.9	4.091	59	2.323	1.1	.043	140°	20	0.072	COROMANT
6.60	.260	20.9	.823	3	8	R840-0660-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.072	DIN 6537 K
6.60	.260	34.1	1.343	5	8	R840-0660-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.050	DIN 6537 L
6.60	.260	47.3	1.862	7	8	R840-0660-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.9	4.091	59	2.323	1.1	.043	140°	20	0.072	COROMANT
6.70	.264	21.2	.835	3	8	R840-0670-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.049	DIN 6537 K
6.70	.264	34.6	1.362	5	8	R840-0670-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.065	DIN 6537 L
6.70	.264	48.0	1.890	7	8	R840-0670-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.9	4.091	59	2.323	1.1	.043	140°	20	0.065	COROMANT
6.75	.266	21.4	.843	3	8	R840-0675-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	20	0.066	DIN 6537 K
6.75	.266	34.9	1.374	5	8	R840-0675-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.050	DIN 6537 L
6.75	.266	48.4	1.906	7	8	R840-0675-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.8	4.087	59	2.323	1.2	.047	140°	20	0.065	COROMANT
6.80	.268	21.6	.850	3	8	R840-0680-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	20	0.050	DIN 6537 K
6.80	.268	35.2	1.386	5	8	R840-0680-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.050	DIN 6537 L
6.80	.268	48.8	1.921	7	8	R840-0680-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.8	4.087	59	2.323	1.2	.047	140°	20	0.065	COROMANT
6.90	.272	21.9	.862	3	8	R840-0690-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	20	0.065	DIN 6537 K
6.90	.272	35.7	1.406	5	8	R840-0690-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.040	DIN 6537 L
6.90	.272	48.7	1.917	7	8	R840-0690-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.8	4.087	59	2.323	1.2	.047	140°	20	0.069	COROMANT
7.00	.276	22.2	.874	3	8	R840-0700-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	20	0.040	DIN 6537 K
7.00	.276	36.2	1.425	5	8	R840-0700-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.068	DIN 6537 L
7.00	.276	49.9	1.965	7	8	R840-0700-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.8	4.087	59	2.323	1.2	.047	140°	20	0.068	COROMANT
7.10	.280	22.5	.886	3	8	R840-0710-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.068	DIN 6537 K
7.10	.280	36.7	1.445	5	8	R840-0710-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.068	DIN 6537 L
7.10	.280	50.9	2.004	7	8	R840-0710-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.8	4.087	67	2.638	1.2	.047	140°	20	0.070	COROMANT
7.14	.281	22.7	.894	3	8	R840-0714-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.040	DIN 6537 K
7.14	.281	36.9	1.453	5	8	R840-0714-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.070	DIN 6537 L
7.14	.281	51.2	2.016	7	8	R840-0714-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.8	4.087	67	2.638	1.2	.047	140°	20	0.070	COROMANT
7.20	.283	22.8	.898	3	8	R840-0720-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.050	DIN 6537 K
7.20	.283	37.2	1.465	5	8	R840-0720-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.070	DIN 6537 L
7.20	.283	51.6	2.032	7	8	R840-0720-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.8	4.087	67	2.638	1.2	.047	140°	20	0.070	COROMANT


O5


Q5


K252

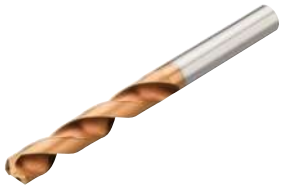

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Q35

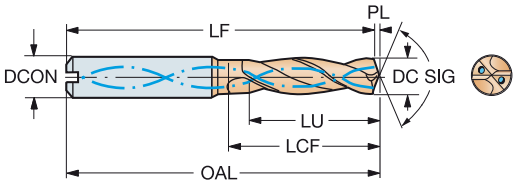
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
7.30	.287	23.1	.909	3	8	R840-0730-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.050	DIN 6537 K
7.30	.287	37.7	1.484	5	8	R840-0730-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.070	DIN 6537 L
7.30	.287	52.3	2.059	7	8	R840-0730-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.8	4.087	67	2.638	1.2	.047	140°	20	0.063	COROMANT
7.40	.291	23.5	.925	3	8	R840-0740-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.040	DIN 6537 K
7.40	.291	38.3	1.508	5	8	R840-0740-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.064	DIN 6537 L
7.40	.291	53.1	2.091	7	8	R840-0740-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.7	4.083	67	2.638	1.3	.051	140°	20	0.064	COROMANT
7.50	.295	23.8	.937	3	8	R840-0750-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.045	DIN 6537 K
7.50	.295	38.8	1.528	5	8	R840-0750-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.063	DIN 6537 L
7.50	.295	53.8	2.118	7	8	R840-0750-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.7	4.083	67	2.638	1.3	.051	140°	20	0.063	COROMANT
7.54	.297	23.9	.941	3	8	R840-0754-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.050	DIN 6537 K
7.54	.297	39.0	1.535	5	8	R840-0754-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.063	DIN 6537 L
7.54	.297	54.1	2.130	7	8	R840-0754-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.7	4.083	67	2.638	1.3	.051	140°	20	0.063	COROMANT
7.60	.299	24.1	.949	3	8	R840-0760-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.068	DIN 6537 K
7.60	.299	39.3	1.547	5	8	R840-0760-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.068	DIN 6537 L
7.60	.299	54.5	2.146	7	8	R840-0760-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.7	4.083	67	2.638	1.3	.051	140°	20	0.068	COROMANT
7.70	.303	24.4	.961	3	8	R840-0770-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.067	DIN 6537 K
7.70	.303	39.8	1.567	5	8	R840-0770-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.067	DIN 6537 L
7.70	.303	55.2	2.173	7	8	R840-0770-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.7	4.083	67	2.638	1.3	.051	140°	20	0.068	COROMANT
7.80	.307	24.7	.972	3	8	R840-0780-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.068	DIN 6537 K
7.80	.307	40.3	1.587	5	8	R840-0780-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.076	DIN 6537 L
7.80	.307	55.9	2.201	7	8	R840-0780-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.7	4.083	67	2.638	1.3	.051	140°	20	0.077	COROMANT
7.90	.311	25.1	.988	3	8	R840-0790-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	20	0.077	DIN 6537 K
7.90	.311	40.9	1.610	5	8	R840-0790-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.6	3.528	53	2.087	1.4	.055	140°	20	0.076	DIN 6537 L
7.90	.311	56.7	2.232	7	8	R840-0790-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.6	4.079	67	2.638	1.4	.055	140°	20	0.076	COROMANT
7.94	.313	25.2	.992	3	8	R840-0794-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	20	0.076	DIN 6537 K
7.94	.313	41.0	1.614	5	8	R840-0794-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.6	3.528	53	2.087	1.4	.055	140°	20	0.076	DIN 6537 L
7.94	.313	56.7	2.232	7	8	R840-0794-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.6	4.079	67	2.638	1.4	.055	140°	20	0.076	COROMANT
8.00	.315	25.4	1.000	3	8	R840-0800-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	20	0.076	DIN 6537 K
8.00	.315	41.4	1.630	5	8	R840-0800-50-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.6	3.528	53	2.087	1.4	.055	140°	20	0.065	DIN 6537 L
8.00	.315	56.6	2.228	7	8	R840-0800-70-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	105	4.134	103.6	4.079	67	2.638	1.4	.055	140°	20	0.066	COROMANT
8.10	.319	25.7	1.012	3	10	R840-0810-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.066	DIN 6537 K
8.10	.319	41.9	1.650	5	10	R840-0810-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.067	DIN 6537 L
8.10	.319	58.1	2.287	7	10	R840-0810-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.6	4.669	75	2.953	1.4	.055	140°	20	0.096	COROMANT
8.15	.321	42.1	1.657	5	10	R840-0815-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.065	DIN 6537 L
8.20	.323	26.0	1.024	3	10	R840-0820-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.066	DIN 6537 K
8.20	.323	42.4	1.669	5	10	R840-0820-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.066	DIN 6537 L
8.20	.323	58.8	2.315	7	10	R840-0820-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.6	4.669	75	2.953	1.4	.055	140°	20	0.100	COROMANT
8.30	.327	26.3	1.035	3	10	R840-0830-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.069	DIN 6537 K
8.30	.327	42.9	1.689	5	10	R840-0830-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.070	DIN 6537 L
8.30	.327	59.5	2.343	7	10	R840-0830-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.6	4.669	75	2.953	1.4	.055	140°	20	0.090	COROMANT
8.33	.328	26.4	1.039	3	10	R840-0833-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.070	DIN 6537 K
8.33	.328	43.1	1.697	5	10	R840-0833-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.069	DIN 6537 L
8.33	.328	59.8	2.354	7	10	R840-0833-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.6	4.669	75	2.953	1.4	.055	140°	20	0.090	COROMANT
8.40	.331	26.6	1.047	3	10	R840-0840-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.069	DIN 6537 K
8.40	.331	43.4	1.709	5	10	R840-0840-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.069	DIN 6537 L
8.40	.331	60.2	2.370	7	10	R840-0840-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.6	4.669	75	2.953	1.4	.055	140°	20	0.556	COROMANT
8.50	.335	27.0	1.063	3	10	R840-0850-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.072	DIN 6537 K
8.50	.335	44.0	1.732	5	10	R840-0850-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.074	DIN 6537 L
8.50	.335	61.0	2.402	7	10	R840-0850-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.5	4.665	75	2.953	1.5	.059	140°	20	0.087	COROMANT

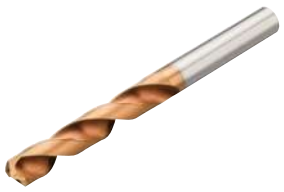
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SANDVIK Coromant

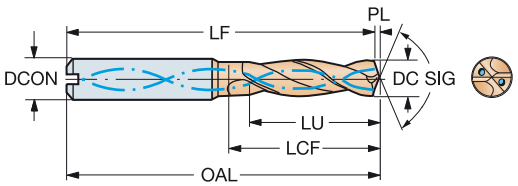
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
8.60	.339	27.3	1.075	3	10	R840-0860-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.074	DIN 6537 K
8.60	.339	44.5	1.752	5	10	R840-0860-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.072	DIN 6537 L
8.60	.339	61.7	2.429	7	10	R840-0860-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.5	4.665	75	2.953	1.5	.059	140°	20	0.090	COROMANT
8.70	.343	27.6	1.087	3	10	R840-0870-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.072	DIN 6537 K
8.70	.343	45.0	1.772	5	10	R840-0870-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.070	DIN 6537 L
8.70	.343	62.4	2.457	7	10	R840-0870-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.5	4.665	75	2.953	1.5	.059	140°	20	0.086	COROMANT
8.73	.344	27.7	1.091	3	10	R840-0873-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.070	DIN 6537 K
8.73	.344	45.1	1.776	5	10	R840-0873-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.070	DIN 6537 L
8.73	.344	62.6	2.465	7	10	R840-0873-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.5	4.665	75	2.953	1.5	.059	140°	20	0.086	COROMANT
8.80	.346	27.9	1.098	3	10	R840-0880-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.070	DIN 6537 K
8.80	.346	45.5	1.791	5	10	R840-0880-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.070	DIN 6537 L
8.80	.346	63.1	2.484	7	10	R840-0880-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.5	4.665	75	2.953	1.5	.059	140°	20	0.110	COROMANT
8.90	.350	28.2	1.110	3	10	R840-0890-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.070	DIN 6537 K
8.90	.350	46.0	1.811	5	10	R840-0890-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.070	DIN 6537 L
8.90	.350	63.4	2.496	7	10	R840-0890-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	120	4.724	118.5	4.665	75	2.953	1.5	.059	140°	20	0.110	COROMANT
9.00	.354	28.5	1.122	3	10	R840-0900-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.075	DIN 6537 K
9.00	.354	46.5	1.831	5	10	R840-0900-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.075	DIN 6537 L
9.00	.354	64.5	2.539	7	10	R840-0900-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.5	5.177	84	3.307	1.5	.059	140°	20	0.090	COROMANT
9.10	.358	28.9	1.138	3	10	R840-0910-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.074	DIN 6537 K
9.10	.358	47.1	1.854	5	10	R840-0910-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.100	DIN 6537 L
9.10	.358	65.3	2.571	7	10	R840-0910-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.4	5.173	84	3.307	1.6	.063	140°	20	0.086	COROMANT
9.13	.359	28.9	1.138	3	10	R840-0913-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.074	DIN 6537 K
9.13	.359	47.2	1.858	5	10	R840-0913-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.075	DIN 6537 L
9.13	.359	65.5	2.579	7	10	R840-0913-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.4	5.173	84	3.307	1.6	.063	140°	20	0.110	COROMANT
9.20	.362	29.2	1.150	3	10	R840-0920-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.075	DIN 6537 K
9.20	.362	47.6	1.874	5	10	R840-0920-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.075	DIN 6537 L
9.20	.362	66.0	2.598	7	10	R840-0920-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.4	5.173	84	3.307	1.6	.063	140°	20	0.110	COROMANT
9.30	.366	29.5	1.161	3	10	R840-0930-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.074	DIN 6537 K
9.30	.366	48.1	1.894	5	10	R840-0930-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.090	DIN 6537 L
9.30	.366	66.7	2.626	7	10	R840-0930-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.4	5.173	84	3.307	1.6	.063	140°	20	0.110	COROMANT
9.40	.370	29.8	1.173	3	10	R840-0940-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.075	DIN 6537 K
9.40	.370	48.6	1.913	5	10	R840-0940-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.076	DIN 6537 L
9.40	.370	67.4	2.654	7	10	R840-0940-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.4	5.173	84	3.307	1.6	.063	140°	20	0.111	COROMANT
9.50	.374	30.1	1.185	3	10	R840-0950-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.076	DIN 6537 K
9.50	.374	48.7	1.917	5	10	R840-0950-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.075	DIN 6537 L
9.50	.374	68.1	2.681	7	10	R840-0950-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.4	5.173	84	3.307	1.6	.063	140°	20	0.110	COROMANT
9.52	.375	30.2	1.189	3	10	R840-0952-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.075	DIN 6537 K
9.52	.375	48.6	1.913	5	10	R840-0952-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.076	DIN 6537 L
9.52	.375	68.3	2.689	7	10	R840-0952-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.4	5.173	84	3.307	1.6	.063	140°	20	0.111	COROMANT
9.55	.376	48.6	1.913	5	10	R840-0955-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.086	DIN 6537 L
9.60	.378	30.4	1.197	3	10	R840-0960-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.076	DIN 6537 K
9.60	.378	48.5	1.909	5	10	R840-0960-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.096	DIN 6537 L
9.60	.378	68.8	2.709	7	10	R840-0960-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.4	5.173	84	3.307	1.6	.063	140°	20	0.110	COROMANT
9.70	.382	30.8	1.213	3	10	R840-0970-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.070	DIN 6537 K
9.70	.382	48.4	1.906	4	10	R840-0970-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.446	DIN 6537 L
9.70	.382	69.6	2.740	7	10	R840-0970-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.3	5.169	84	3.307	1.7	.067	140°	20	0.150	COROMANT
9.80	.386	31.1	1.224	3	10	R840-0980-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.070	DIN 6537 K
9.80	.386	48.3	1.902	4	10	R840-0980-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.090	DIN 6537 L
9.80	.386	70.3	2.768	7	10	R840-0980-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.3	5.169	84	3.307	1.7	.067	140°	20	0.120	COROMANT


O5


Q5


K252

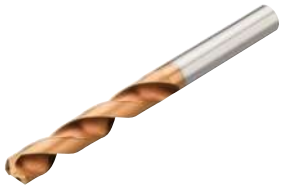

Q1


Q35

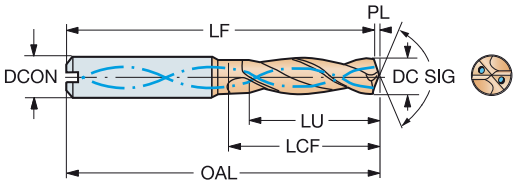
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
9.90	.390	31.4	1.236	3	10	R840-0990-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.070	DIN 6537 K
9.90	.390	48.1	1.894	4	10	R840-0990-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.120	DIN 6537 L
9.90	.390	71.0	2.795	7	10	R840-0990-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.3	5.169	84	3.307	1.7	.067	140°	20	0.150	COROMANT
9.92	.391	31.5	1.240	3	10	R840-0992-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.108	DIN 6537 K
9.92	.391	48.1	1.894	4	10	R840-0992-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.100	DIN 6537 L
9.92	.391	71.1	2.799	7	10	R840-0992-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.3	5.169	84	3.307	1.7	.067	140°	20	0.120	COROMANT
10.00	.394	31.7	1.248	3	10	R840-1000-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.070	DIN 6537 K
10.00	.394	48.0	1.890	4	10	R840-1000-50-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.180	DIN 6537 L
10.00	.394	71.0	2.795	7	10	R840-1000-70-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	133	5.236	131.3	5.169	84	3.307	1.7	.067	140°	20	0.120	COROMANT
10.10	.398	32.0	1.260	3	12	R840-1010-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.120	DIN 6537 K
10.10	.398	52.2	2.055	5	12	R840-1010-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.151	DIN 6537 L
10.10	.398	72.4	2.850	7	12	R840-1010-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.3	5.445	91	3.583	1.7	.067	140°	20	0.180	COROMANT
10.20	.402	32.3	1.272	3	12	R840-1020-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.100	DIN 6537 K
10.20	.402	52.7	2.075	5	12	R840-1020-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.120	DIN 6537 L
10.20	.402	73.1	2.878	7	12	R840-1020-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.3	5.445	91	3.583	1.7	.067	140°	20	0.151	COROMANT
10.30	.406	32.7	1.287	3	12	R840-1030-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.151	DIN 6537 K
10.30	.406	53.3	2.098	5	12	R840-1030-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.119	DIN 6537 L
10.30	.406	73.9	2.909	7	12	R840-1030-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.2	5.441	91	3.583	1.8	.071	140°	20	0.150	COROMANT
10.32	.406	32.7	1.287	3	12	R840-1032-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.100	DIN 6537 K
10.32	.406	53.4	2.102	5	12	R840-1032-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.150	DIN 6537 L
10.32	.406	74.0	2.913	7	12	R840-1032-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.2	5.441	91	3.583	1.8	.071	140°	20	0.150	COROMANT
10.40	.409	33.0	1.299	3	12	R840-1040-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.120	DIN 6537 K
10.40	.409	53.8	2.118	5	12	R840-1040-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.150	DIN 6537 L
10.40	.409	74.6	2.937	7	12	R840-1040-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.2	5.441	91	3.583	1.8	.071	140°	20	0.150	COROMANT
10.45	.411	54.0	2.126	5	12	R840-1045-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.100	DIN 6537 L
10.45	.411	74.9	2.949	7	12	R840-1045-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.2	5.441	91	3.583	1.8	.071	140°	20	0.150	COROMANT
10.50	.413	33.3	1.311	3	12	R840-1050-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.119	DIN 6537 K
10.50	.413	54.3	2.138	5	12	R840-1050-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.120	DIN 6537 L
10.50	.413	75.3	2.965	7	12	R840-1050-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.2	5.441	91	3.583	1.8	.071	140°	20	0.156	COROMANT
10.60	.417	33.6	1.323	3	12	R840-1060-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.111	DIN 6537 K
10.60	.417	54.8	2.157	5	12	R840-1060-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.154	DIN 6537 L
10.60	.417	76.0	2.992	7	12	R840-1060-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.2	5.441	91	3.583	1.8	.071	140°	20	0.155	COROMANT
10.70	.421	33.9	1.335	3	12	R840-1070-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.120	DIN 6537 K
10.70	.421	55.3	2.177	5	12	R840-1070-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.156	DIN 6537 L
10.70	.421	76.7	3.020	7	12	R840-1070-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.2	5.441	91	3.583	1.8	.071	140°	20	0.156	COROMANT
10.71	.422	34.0	1.339	3	12	R840-1071-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.120	DIN 6537 K
10.71	.422	55.4	2.181	5	12	R840-1071-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.160	DIN 6537 L
10.71	.422	76.8	3.024	7	12	R840-1071-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.2	5.441	91	3.583	1.8	.071	140°	20	0.160	COROMANT
10.80	.425	34.3	1.350	3	12	R840-1080-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.120	DIN 6537 K
10.80	.425	55.9	2.201	5	12	R840-1080-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.120	DIN 6537 L
10.80	.425	77.5	3.051	7	12	R840-1080-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.1	5.437	91	3.583	1.9	.075	140°	20	0.160	COROMANT
10.90	.429	34.6	1.362	3	12	R840-1090-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.160	DIN 6537 K
10.90	.429	56.4	2.220	5	12	R840-1090-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.120	DIN 6537 L
10.90	.429	77.9	3.067	7	12	R840-1090-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	140	5.512	138.1	5.437	91	3.583	1.9	.075	140°	20	0.160	COROMANT
11.00	.433	34.9	1.374	3	12	R840-1100-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.150	DIN 6537 K
11.00	.433	56.9	2.240	5	12	R840-1100-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.150	DIN 6537 L
11.00	.433	78.9	3.106	7	12	R840-1100-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.1	5.870	101	3.976	1.9	.075	140°	20	0.150	COROMANT

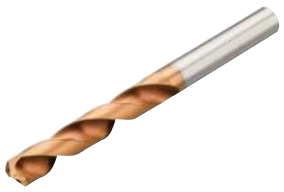
O5 Q5 K252 Q1 Q35

SANDVIK Coromant

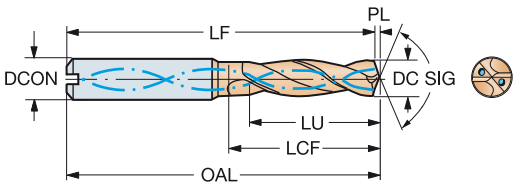
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
11.10	.437	35.2	1.386	3	12	R840-1110-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.119	DIN 6537 K
11.10	.437	57.4	2.260	5	12	R840-1110-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.119	DIN 6537 L
11.10	.437	79.6	3.134	7	12	R840-1110-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.1	5.870	101	3.976	1.9	.075	140°	20	0.150	COROMANT
11.11	.437	35.2	1.386	3	12	R840-1111-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.150	DIN 6537 K
11.11	.437	57.5	2.264	5	12	R840-1111-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.150	DIN 6537 L
11.11	.437	79.7	3.138	7	12	R840-1111-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.1	5.870	101	3.976	1.9	.075	140°	20	0.150	COROMANT
11.20	.441	35.5	1.398	3	12	R840-1120-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.150	DIN 6537 K
11.20	.441	57.6	2.268	5	12	R840-1120-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.152	DIN 6537 L
11.20	.441	80.3	3.161	7	12	R840-1120-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.1	5.870	101	3.976	1.9	.075	140°	20	0.152	COROMANT
11.30	.445	35.8	1.409	3	12	R840-1130-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.152	DIN 6537 K
11.30	.445	57.4	2.260	5	12	R840-1130-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.151	DIN 6537 L
11.30	.445	81.0	3.189	7	12	R840-1130-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.1	5.870	101	3.976	1.9	.075	140°	20	0.190	COROMANT
11.40	.449	36.2	1.425	3	12	R840-1140-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.120	DIN 6537 K
11.40	.449	57.3	2.256	5	12	R840-1140-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.152	DIN 6537 L
11.40	.449	81.8	3.220	7	12	R840-1140-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.0	5.866	101	3.976	2.0	.079	140°	20	0.152	COROMANT
11.50	.453	36.5	1.437	3	12	R840-1150-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.120	DIN 6537 K
11.50	.453	57.2	2.252	4	12	R840-1150-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.155	DIN 6537 L
11.50	.453	82.5	3.248	7	12	R840-1150-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.0	5.866	101	3.976	2.0	.079	140°	20	0.155	COROMANT
11.51	.453	36.5	1.437	3	12	R840-1151-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.155	DIN 6537 K
11.51	.453	57.2	2.252	4	12	R840-1151-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.152	DIN 6537 L
11.60	.457	36.8	1.449	3	12	R840-1160-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.153	DIN 6537 K
11.60	.457	57.1	2.248	4	12	R840-1160-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.153	DIN 6537 L
11.60	.457	83.2	3.276	7	12	R840-1160-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.0	5.866	101	3.976	2.0	.079	140°	20	0.154	COROMANT
11.70	.461	37.1	1.461	3	12	R840-1170-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.154	DIN 6537 K
11.70	.461	57.0	2.244	4	12	R840-1170-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.150	DIN 6537 L
11.70	.461	83.9	3.303	7	12	R840-1170-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.0	5.866	101	3.976	2.0	.079	140°	20	0.150	COROMANT
11.80	.465	37.4	1.472	3	12	R840-1180-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.150	DIN 6537 K
11.80	.465	56.8	2.236	4	12	R840-1180-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.150	DIN 6537 L
11.80	.465	84.6	3.331	7	12	R840-1180-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.0	5.866	101	3.976	2.0	.079	140°	20	0.150	COROMANT
11.90	.469	37.7	1.484	3	12	R840-1190-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.100	DIN 6537 K
11.90	.469	56.7	2.232	4	12	R840-1190-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.150	DIN 6537 L
11.90	.469	85.3	3.358	7	12	R840-1190-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	149.0	5.866	101	3.976	2.0	.079	140°	20	0.150	COROMANT
12.00	.472	38.1	1.500	3	12	R840-1200-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	99.9	3.933	55	2.165	2.1	.083	140°	20	0.150	DIN 6537 K
12.00	.472	56.6	2.228	4	12	R840-1200-50-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	115.9	4.563	71	2.795	2.1	.083	140°	20	0.119	DIN 6537 L
12.00	.472	86.1	3.390	7	12	R840-1200-70-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	151	5.945	148.9	5.862	101	3.976	2.1	.083	140°	20	0.190	COROMANT
12.10	.476	38.4	1.512	3	14	R840-1210-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.149	DIN 6537 K
12.10	.476	62.5	2.461	5	14	R840-1210-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.104	DIN 6537 L
12.10	.476	86.8	3.417	7	14	R840-1210-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.9	6.217	107	4.213	2.1	.083	140°	20	0.226	COROMANT
12.20	.480	38.7	1.524	3	14	R840-1220-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.149	DIN 6537 K
12.20	.480	62.4	2.457	5	14	R840-1220-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.156	DIN 6537 L
12.20	.480	87.5	3.445	7	14	R840-1220-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.9	6.217	107	4.213	2.1	.083	140°	20	0.227	COROMANT
12.30	.484	39.0	1.535	3	14	R840-1230-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.156	DIN 6537 K
12.30	.484	62.2	2.449	5	14	R840-1230-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.154	DIN 6537 L
12.30	.484	88.2	3.472	7	14	R840-1230-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.9	6.217	107	4.213	2.1	.083	140°	20	0.154	COROMANT
12.40	.488	39.3	1.547	3	14	R840-1240-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.154	DIN 6537 K
12.40	.488	62.1	2.445	5	14	R840-1240-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.190	DIN 6537 L
12.40	.488	88.9	3.500	7	14	R840-1240-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.9	6.217	107	4.213	2.1	.083	140°	20	0.227	COROMANT


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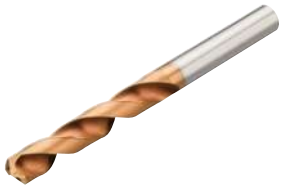

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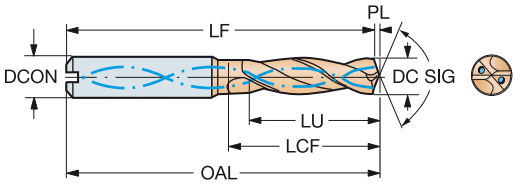
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
12.50	.492	39.6	1.559	3	14	R840-1250-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.185	DIN 6537 K
12.50	.492	62.0	2.441	4	14	R840-1250-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.184	DIN 6537 L
12.50	.492	89.6	3.528	7	14	R840-1250-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.9	6.217	107	4.213	2.1	.083	140°	20	0.227	COROMANT
12.60	.496	40.0	1.575	3	14	R840-1260-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.150	DIN 6537 K
12.60	.496	61.9	2.437	4	14	R840-1260-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	20	0.180	DIN 6537 L
12.60	.496	90.4	3.559	7	14	R840-1260-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.8	6.213	107	4.213	2.2	.087	140°	20	0.240	COROMANT
12.70	.500	40.3	1.587	3	14	R840-1270-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.150	DIN 6537 K
12.70	.500	61.8	2.433	4	14	R840-1270-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	20	0.157	DIN 6537 L
12.70	.500	91.1	3.587	7	14	R840-1270-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.8	6.213	107	4.213	2.2	.087	140°	20	0.243	COROMANT
12.80	.504	40.6	1.598	3	14	R840-1280-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.157	DIN 6537 K
12.80	.504	61.6	2.425	4	14	R840-1280-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	20	0.190	DIN 6537 L
12.80	.504	91.6	3.606	7	14	R840-1280-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.8	6.213	107	4.213	2.2	.087	140°	20	0.242	COROMANT
13.00	.512	41.2	1.622	3	14	R840-1300-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.157	DIN 6537 K
13.00	.512	61.4	2.417	4	14	R840-1300-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	20	0.190	DIN 6537 L
13.00	.512	91.4	3.598	7	14	R840-1300-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.8	6.213	107	4.213	2.2	.087	140°	20	0.243	COROMANT
13.10	.516	41.5	1.634	3	14	R840-1310-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.150	DIN 6537 K
13.10	.516	61.3	2.413	4	14	R840-1310-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.188	DIN 6537 L
13.10	.516	91.3	3.594	6	14	R840-1310-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.7	6.209	107	4.213	2.3	.091	140°	20	0.240	COROMANT
13.25	.522	42.0	1.654	3	14	R840-1325-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.150	DIN 6537 K
13.25	.522	61.1	2.406	4	14	R840-1325-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.182	DIN 6537 L
13.25	.522	91.1	3.587	6	14	R840-1325-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.7	6.209	107	4.213	2.3	.091	140°	20	0.240	COROMANT
13.30	.524	61.0	2.402	4	20	R840-1930-50-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.440	DIN 6537 L
13.50	.531	42.8	1.685	3	14	R840-1350-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.150	DIN 6537 K
13.50	.531	60.8	2.394	4	14	R840-1350-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.200	DIN 6537 L
13.50	.531	90.8	3.575	6	14	R840-1350-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.7	6.209	107	4.213	2.3	.091	140°	20	0.240	COROMANT
13.75	.541	43.5	1.713	3	14	R840-1375-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	20	0.180	DIN 6537 K
13.75	.541	60.5	2.382	4	14	R840-1375-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	20	0.200	DIN 6537 L
13.75	.541	90.5	3.563	6	14	R840-1375-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.6	6.205	107	4.213	2.4	.094	140°	20	0.268	COROMANT
13.80	.543	43.4	1.709	3	14	R840-1380-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	20	0.180	DIN 6537 K
13.80	.543	60.4	2.378	4	14	R840-1380-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	20	0.105	DIN 6537 L
13.80	.543	90.4	3.559	6	14	R840-1380-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.6	6.205	107	4.213	2.4	.094	140°	20	0.267	COROMANT
13.89	.547	43.3	1.705	3	14	R840-1389-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	20	0.107	DIN 6537 K
13.89	.547	60.3	2.374	4	14	R840-1389-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	20	0.107	DIN 6537 L
13.89	.547	90.3	3.555	6	14	R840-1389-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.6	6.205	107	4.213	2.4	.094	140°	20	0.268	COROMANT
14.00	.551	44.4	1.748	3	14	R840-1400-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	20	0.185	DIN 6537 K
14.00	.551	63.0	2.480	4	14	R840-1400-50-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	20	0.480	DIN 6537 L
14.00	.551	93.0	3.661	6	14	R840-1400-70-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	160	6.299	157.6	6.205	107	4.213	2.4	.094	140°	20	0.267	COROMANT
14.10	.555	44.7	1.760	3	16	R840-1410-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.6	4.433	65	2.559	2.4	.094	140°	20	0.227	DIN 6537 K
14.10	.555	68.9	2.713	4	16	R840-1410-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.6	5.142	83	3.268	2.4	.094	140°	20	0.242	DIN 6537 L
14.25	.561	45.2	1.780	3	16	R840-1425-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.227	DIN 6537 K
14.25	.561	68.8	2.709	4	16	R840-1425-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.241	DIN 6537 L
14.29	.563	45.3	1.783	3	16	R840-1429-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.242	DIN 6537 K
14.50	.571	68.5	2.697	4	16	R840-1429-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.242	DIN 6537 L
14.50	.571	46.0	1.811	3	16	R840-1450-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.266	DIN 6537 K
14.50	.571	68.5	2.697	4	16	R840-1450-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.240	DIN 6537 L
14.69	.578	46.6	1.835	3	16	R840-1469-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.240	DIN 6537 K
14.69	.578	68.3	2.689	4	16	R840-1469-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.265	DIN 6537 L
14.75	.581	46.8	1.843	3	16	R840-1475-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.227	DIN 6537 K
14.75	.581	68.3	2.689	4	16	R840-1475-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.240	DIN 6537 L

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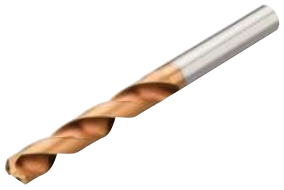
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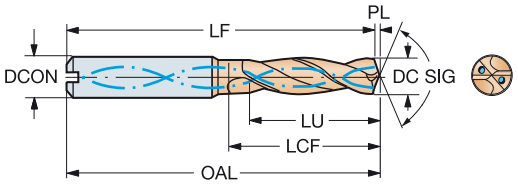
CoroDrill® Delta-C solid-carbide drill

HA shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
14.80	.583	46.9	1.846	3	16	R840-1480-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.240	DIN 6537 K
14.80	.583	68.2	2.685	4	16	R840-1480-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.264	DIN 6537 L
15.00	.591	47.6	1.874	3	16	R840-1500-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.4	4.425	65	2.559	2.6	.102	140°	20	0.240	DIN 6537 K
15.00	.591	68.0	2.677	4	16	R840-1500-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.4	5.134	83	3.268	2.6	.102	140°	20	0.241	DIN 6537 L
15.50	.610	49.2	1.937	3	16	R840-1550-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	20	0.266	DIN 6537 K
15.50	.610	67.5	2.657	4	16	R840-1550-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.3	5.130	83	3.268	2.7	.106	140°	20	0.265	DIN 6537 L
15.80	.622	49.2	1.937	3	16	R840-1580-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	20	0.240	DIN 6537 K
15.80	.622	67.2	2.646	4	16	R840-1580-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.3	5.130	83	3.268	2.7	.106	140°	20	0.292	DIN 6537 L
15.87	.625	49.1	1.933	3	16	R840-1587-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	20	0.246	DIN 6537 K
15.87	.625	67.1	2.642	4	16	R840-1587-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.3	5.130	83	3.268	2.7	.106	140°	20	0.293	DIN 6537 L
16.00	.630	49.0	1.929	3	16	R840-1600-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.2	4.417	65	2.559	2.8	.110	140°	20	0.246	DIN 6537 K
16.00	.630	67.0	2.638	4	16	R840-1600-50-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.2	5.126	83	3.268	2.8	.110	140°	20	0.268	DIN 6537 L
16.00	.630	112.0	4.409	7	16	R840-1600-70-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	178	7.008	175.2	6.898	128	5.039	2.8	.110	140°	20	0.400	COROMANT
16.08	.633	51.0	2.008	3	18	R840-1608-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.2	4.732	73	2.874	2.8	.110	140°	20	0.292	DIN 6537 K
16.10	.634	51.1	2.012	3	18	R840-1610-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.2	4.732	73	2.874	2.8	.110	140°	20	0.292	DIN 6537 K
16.10	.634	76.9	3.028	4	18	R840-1610-50-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.2	5.520	93	3.661	2.8	.110	140°	20	0.400	DIN 6537 L
16.30	.642	116.9	4.602	7	18	R840-1630-70-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	187	7.362	184.2	7.252	137	5.394	2.8	.110	140°	20	0.415	COROMANT
16.50	.650	52.3	2.059	3	18	R840-1650-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.2	4.732	73	2.874	2.8	.110	140°	20	0.300	DIN 6537 K
16.50	.650	76.5	3.012	4	18	R840-1650-50-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.2	5.520	93	3.661	2.8	.110	140°	20	0.400	DIN 6537 L
16.67	.656	52.9	2.083	3	18	R840-1667-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.1	4.728	73	2.874	2.9	.114	140°	20	0.300	DIN 6537 K
16.67	.656	76.3	3.004	4	18	R840-1667-50-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.1	5.516	93	3.661	2.9	.114	140°	20	0.400	DIN 6537 L
16.80	.661	53.3	2.098	3	18	R840-1680-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.1	4.728	73	2.874	2.9	.114	140°	20	0.187	DIN 6537 K
16.80	.661	76.2	3.000	4	18	R840-1680-50-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.1	5.516	93	3.661	2.9	.114	140°	20	0.400	DIN 6537 L
17.00	.669	53.9	2.122	3	18	R840-1700-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.1	4.728	73	2.874	2.9	.114	140°	20	0.300	DIN 6537 K
17.00	.669	76.0	2.992	4	18	R840-1700-50-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.1	5.516	93	3.661	2.9	.114	140°	20	0.400	DIN 6537 L
17.46	.687	55.4	2.181	3	18	R840-1746-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.0	4.724	73	2.874	3.0	.118	140°	20	0.400	DIN 6537 K
17.50	.689	75.5	2.972	4	18	R840-1746-50-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.0	5.512	93	3.661	3.0	.118	140°	20	0.400	DIN 6537 L
17.50	.689	55.5	2.185	3	18	R840-1750-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.0	4.724	73	2.874	3.0	.118	140°	20	0.400	DIN 6537 K
17.50	.689	75.5	2.972	4	18	R840-1750-50-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.0	5.512	93	3.661	3.0	.118	140°	20	0.400	DIN 6537 L
17.80	.701	55.2	2.173	3	18	R840-1780-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	119.9	4.720	73	2.874	3.1	.122	140°	20	0.264	DIN 6537 K
17.80	.701	75.2	2.961	4	18	R840-1780-50-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	139.9	5.508	93	3.661	3.1	.122	140°	20	0.400	DIN 6537 L
18.00	.709	57.1	2.248	3	18	R840-1800-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	119.9	4.720	73	2.874	3.1	.122	140°	20	0.400	DIN 6537 K
18.00	.709	78.6	3.094	4	18	R840-1800-50-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	139.9	5.508	93	3.661	3.1	.122	140°	20	0.400	DIN 6537 L
18.50	.728	58.7	2.311	3	20	R840-1850-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.8	5.032	79	3.110	3.2	.126	140°	20	0.413	DIN 6537 K
18.50	.728	86.2	3.394	4	20	R840-1850-50-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.8	5.898	101	3.976	3.2	.126	140°	20	0.440	DIN 6537 L
18.80	.740	59.6	2.346	3	20	R840-1880-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.8	5.032	79	3.110	3.2	.126	140°	20	0.413	DIN 6537 K
18.80	.740	86.0	3.386	4	20	R840-1880-50-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.8	5.898	101	3.976	3.2	.126	140°	20	0.440	DIN 6537 L
19.00	.748	60.3	2.374	3	20	R840-1900-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.7	5.028	79	3.110	3.3	.130	140°	20	0.413	DIN 6537 K
19.00	.748	85.8	3.378	4	20	R840-1900-50-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.7	5.894	101	3.976	3.3	.130	140°	20	0.180	DIN 6537 L
19.05	.750	60.4	2.378	3	20	R840-1905-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.7	5.028	79	3.110	3.3	.130	140°	20	0.414	DIN 6537 K
19.05	.750	85.8	3.378	4	20	R840-1905-50-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.7	5.894	101	3.976	3.3	.130	140°	20	0.480	DIN 6537 L
19.25	.758	61.1	2.406	3	20	R840-1925-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.7	5.028	79	3.110	3.3	.130	140°	20	0.415	DIN 6537 K
19.25	.758	85.6	3.370	4	20	R840-1925-50-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.7	5.894	101	3.976	3.3	.130	140°	20	0.449	DIN 6537 L
19.50	.768	61.9	2.437	3	20	R840-1950-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.6	5.024	79	3.110	3.4	.134	140°	20	0.415	DIN 6537 K
19.50	.768	85.4	3.362	4	20	R840-1950-50-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.6	5.890	101	3.976	3.4	.134	140°	20	0.480	DIN 6537 L
19.80	.780	62.8	2.472	3	20	R840-1980-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.6	5.024	79	3.110	3.4	.134	140°	20	0.440	DIN 6537 K
19.80	.780	85.2	3.354	4	20	R840-1980-50-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.6	5.890	101	3.976	3.4	.134	140°	20	0.415	DIN 6537 L
20.00	.787	63.0	2.480	3	20	R840-2000-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.6	5.024	79	3.110	3.4	.134	140°	20	0.440	DIN 6537 K
20.00	.787	85.0	3.346	4	20	R840-2000-50-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.6	5.890	101	3.976	3.4	.134	140°	20	0.500	DIN 6537 L

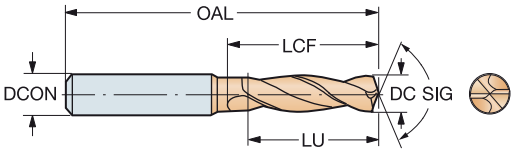
O5 Q5 K252 Q1 Q35

CoroDrill® Delta-C solid-carbide drill

HA shank



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1020	P H10F	K 1020	K H10F	N 1020	N H10F	S 1020	S H10F	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
0.30	.012	1.9	.075	6	1	R840-0030-70-A0B		☆		☆		☆		☆	1.00	.039	25	.984	24.9	0.980	2	.079	0.1	.004	118°	0.007	COROMANT
0.40	.016	2.5	.098	6	1	R840-0040-70-A0B		☆		☆		☆		☆	1.00	.039	25	.984	24.9	0.980	3	.118	0.1	.004	118°	0.007	COROMANT
0.50	.020	3.2	.126	6	1	R840-0050-70-A0B		☆		☆		☆		☆	1.00	.039	25	.984	24.8	0.976	4	.157	0.2	.008	118°	0.007	COROMANT
0.60	.024	3.8	.150	6	1	R840-0060-70-A0B		☆		☆		☆		☆	1.00	.039	25	.984	24.8	0.976	4	.157	0.2	.008	118°	0.007	COROMANT
0.70	.028	4.4	.173	6	1	R840-0070-70-A0B		☆		☆		☆		☆	1.00	.039	25	.984	24.8	0.976	5	.197	0.2	.008	118°	0.010	COROMANT
0.80	.031	5.0	.197	6	1	R840-0080-70-A0B		☆		☆		☆		☆	1.50	.059	25	.984	24.8	0.976	6	.236	0.2	.008	118°	0.001	COROMANT
0.90	.035	5.7	.224	6	1	R840-0090-70-A0B		☆		☆		☆		☆	1.50	.059	25	.984	24.7	0.972	7	.276	0.3	.012	118°	0.001	COROMANT
1.00	.039	6.3	.248	6	1	R840-0100-70-A0B		☆		☆		☆		☆	1.50	.059	25	.984	24.7	0.972	8	.315	0.3	.012	118°	0.001	COROMANT
1.10	.043	6.9	.272	6	1	R840-0110-70-A0B		☆		☆		☆		☆	1.50	.059	25	.984	24.7	0.972	9	.354	0.3	.012	118°	0.001	COROMANT
1.20	.047	7.6	.299	6	1	R840-0120-70-A0B		☆		☆		☆		☆	1.50	.059	25	.984	24.6	0.969	10	.394	0.4	.016	118°	0.010	COROMANT
1.30	.051	8.2	.323	6	1	R840-0130-70-A0B		☆		☆		☆		☆	1.50	.059	25	.984	24.6	0.969	10	.394	0.4	.016	118°	0.001	COROMANT
1.40	.055	8.8	.346	6	1	R840-0140-70-A0B		☆		☆		☆		☆	1.50	.059	25	.984	24.6	0.969	11	.433	0.4	.016	118°	0.001	COROMANT
1.50	.059	6.3	.248	4	1	R840-0150-50-A0B	☆		☆		☆		☆		1.50	.059	32	1.260	31.7	1.248	9	.354	0.3	.012	140°	0.009	COROMANT
1.59	.063	6.6	.260	4	1/16	R840-0159-50-A0B	☆		☆		☆		☆		1.59	.062	34	1.339	33.7	1.327	10	.394	0.3	.012	140°	0.009	COROMANT
1.60	.063	6.7	.264	4	1	R840-0160-50-A0B	☆		☆		☆		☆		1.60	.063	34	1.339	33.7	1.327	10	.394	0.3	.012	140°	0.010	COROMANT
1.70	.067	7.1	.280	4	1	R840-0170-50-A0B	☆		☆		☆		☆		1.70	.067	34	1.339	33.7	1.327	10	.394	0.3	.012	140°	0.010	COROMANT
1.80	.071	7.5	.295	4	1	R840-0180-50-A0B	☆		☆		☆		☆		1.80	.071	36	1.417	35.7	1.406	11	.433	0.3	.012	140°	0.010	COROMANT
1.90	.075	7.9	.311	4	1	R840-0190-50-A0B	☆		☆		☆		☆		1.90	.075	36	1.417	35.7	1.406	11	.433	0.3	.012	140°	0.010	COROMANT
1.98	.078	8.3	.327	4	5/64	R840-0198-50-A0B	☆		☆		☆		☆		1.98	.078	38	1.496	37.6	1.480	12	.472	0.4	.016	140°	0.010	COROMANT
2.00	.079	8.4	.331	4	2	R840-0200-50-A0B	☆		☆		☆		☆		2.00	.079	38	1.496	37.6	1.480	12	.472	0.4	.016	140°	0.010	COROMANT
2.10	.083	8.8	.346	4	2	R840-0210-50-A0B	☆		☆		☆		☆		2.10	.083	38	1.496	37.6	1.480	12	.472	0.4	.016	140°	0.010	COROMANT
2.20	.087	9.2	.362	4	2	R840-0220-50-A0B	☆		☆		☆		☆		2.20	.087	40	1.575	39.6	1.559	13	.512	0.4	.016	140°	0.010	COROMANT
2.30	.091	9.6	.378	4	2	R840-0230-50-A0B	☆		☆		☆		☆		2.30	.091	40	1.575	39.6	1.559	13	.512	0.4	.016	140°	0.011	COROMANT
2.38	.094	10.0	.394	4	3/32	R840-0238-50-A0B	☆		☆		☆		☆		2.38	.094	43	1.693	42.6	1.677	14	.551	0.4	.016	140°	0.011	COROMANT
2.40	.094	10.0	.394	4	2	R840-0240-50-A0B	☆		☆		☆		☆		2.40	.094	43	1.693	42.6	1.677	14	.551	0.4	.016	140°	0.011	COROMANT
2.50	.098	10.5	.413	4	2	R840-0250-50-A0B	☆		☆		☆		☆		2.50	.098	43	1.693	42.5	1.673	14	.551	0.5	.020	140°	0.011	COROMANT
2.60	.102	10.9	.429	4	2	R840-0260-50-A0B	☆		☆		☆		☆		2.60	.102	43	1.693	42.5	1.673	14	.551	0.5	.020	140°	0.012	COROMANT
2.70	.106	11.3	.445	4	2	R840-0270-50-A0B	☆		☆		☆		☆		2.70	.106	46	1.811	45.5	1.791	16	.630	0.5	.020	140°	0.012	COROMANT
2.78	.109	11.6	.457	4	7/64	R840-0278-50-A0B	☆		☆		☆		☆		2.78	.109	46	1.811	45.5	1.791	16	.630	0.5	.020	140°	0.012	COROMANT
2.80	.110	11.7	.461	4	2	R840-0280-50-A0B	☆		☆		☆		☆		2.80	.110	46	1.811	45.5	1.791	16	.630	0.5	.020	140°	0.012	COROMANT
2.90	.114	12.1	.476	4	2	R840-0290-50-A0B	☆		☆		☆		☆		2.90	.114	46	1.811	45.5	1.791	16	.630	0.5	.020	140°	0.013	COROMANT

 O5

 Q5

 K252

 Q1

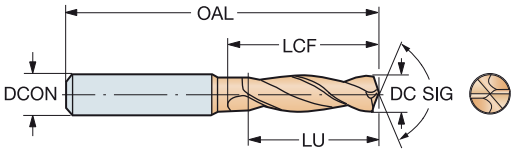
 Q35

CoroDrill® Delta-C solid-carbide drill

HA shank



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
3.00	.118	9.5	.374	3	6	R840-0300-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.026	DIN 6537 K
3.00	.118	15.5	.610	5	6	R840-0300-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.027	DIN 6537 L
3.10	.122	9.8	.386	3	6	R840-0310-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.026	DIN 6537 K
3.10	.122	16.0	.630	5	6	R840-0310-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.027	DIN 6537 L
3.20	.126	10.1	.398	3	6	R840-0320-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.026	DIN 6537 K
3.20	.126	16.5	.650	5	6	R840-0320-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.5	2.579	28	1.102	0.5	.020	140°	0.026	DIN 6537 L
3.30	.130	10.5	.413	3	6	R840-0330-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.040	DIN 6537 K
3.30	.130	17.1	.673	5	6	R840-0330-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	0.030	DIN 6537 L
3.38	.133	17.5	.689	5	6	R840-0338-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	0.027	DIN 6537 L
3.40	.134	10.8	.425	3	6	R840-0340-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.027	DIN 6537 K
3.40	.134	17.6	.693	5	6	R840-0340-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	0.040	DIN 6537 L
3.45	.136	17.8	.701	5	6	R840-0345-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	0.027	DIN 6537 L
3.50	.138	11.1	.437	3	6	R840-0350-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.020	DIN 6537 K
3.50	.138	18.1	.713	5	6	R840-0350-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	0.040	DIN 6537 L
3.55	.140	18.3	.720	5	6	R840-0355-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	0.028	DIN 6537 L
3.60	.142	11.4	.449	3	6	R840-0360-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.067	DIN 6537 K
3.60	.142	18.6	.732	5	6	R840-0360-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	0.030	DIN 6537 L
3.70	.146	11.7	.461	3	6	R840-0370-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.028	DIN 6537 K
3.70	.146	19.1	.752	5	6	R840-0370-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	28	1.102	0.6	.024	140°	0.040	DIN 6537 L
3.80	.150	12.0	.472	3	6	R840-0380-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.040	DIN 6537 K
3.80	.150	19.6	.772	5	6	R840-0380-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.4	2.890	36	1.417	0.6	.024	140°	0.020	DIN 6537 L
3.90	.154	12.4	.488	3	6	R840-0390-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.028	DIN 6537 K
3.90	.154	20.2	.795	5	6	R840-0390-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	0.040	DIN 6537 L
4.00	.157	12.7	.500	3	6	R840-0400-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.020	DIN 6537 K
4.00	.157	20.7	.815	5	6	R840-0400-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	0.029	DIN 6537 L
4.10	.161	13.0	.512	3	6	R840-0410-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.028	DIN 6537 K
4.10	.161	21.2	.835	5	6	R840-0410-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	0.033	DIN 6537 L
4.20	.165	13.3	.524	3	6	R840-0420-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.029	DIN 6537 K
4.20	.165	21.7	.854	5	6	R840-0420-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	0.040	DIN 6537 L
4.30	.169	13.6	.535	3	6	R840-0430-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.029	DIN 6537 K
4.30	.169	22.2	.874	5	6	R840-0430-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	0.040	DIN 6537 L
4.40	.173	13.9	.547	3	6	R840-0440-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.040	DIN 6537 K
4.40	.173	22.7	.894	5	6	R840-0440-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.3	2.886	36	1.417	0.7	.028	140°	0.030	DIN 6537 L
4.50	.177	14.3	.563	3	6	R840-0450-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	0.040	DIN 6537 K
4.50	.177	23.3	.917	5	6	R840-0450-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	0.031	DIN 6537 L
4.55	.179	23.5	.925	5	6	R840-0455-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	0.030	DIN 6537 L
4.60	.181	14.6	.575	3	6	R840-0460-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	0.030	DIN 6537 K
4.60	.181	23.8	.937	5	6	R840-0460-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	0.033	DIN 6537 L
4.70	.185	14.6	.575	3	6	R840-0470-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	0.040	DIN 6537 K
4.70	.185	24.3	.957	5	6	R840-0470-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	74	2.913	73.2	2.882	36	1.417	0.8	.031	140°	0.040	DIN 6537 L
4.80	.189	15.2	.598	3	6	R840-0480-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.040	DIN 6537 K
4.80	.189	24.8	.976	5	6	R840-0480-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	0.040	DIN 6537 L
4.90	.193	15.5	.610	3	6	R840-0490-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.030	DIN 6537 K
4.90	.193	25.3	.996	5	6	R840-0490-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	0.040	DIN 6537 L
5.00	.197	15.8	.622	3	6	R840-0500-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.030	DIN 6537 K
5.00	.197	25.8	1.016	5	6	R840-0500-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	0.040	DIN 6537 L
5.10	.201	16.2	.638	3	6	R840-0510-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.040	DIN 6537 K
5.10	.201	26.4	1.039	5	6	R840-0510-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	0.040	DIN 6537 L

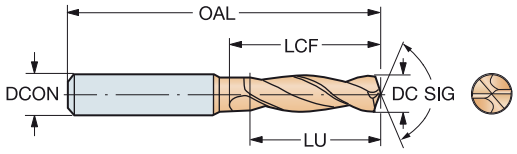
O5 Q5 K252 Q1 Q35

CoroDrill® Delta-C solid-carbide drill

HA shank



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
5.20	.205	16.5	.650	3	6	R840-0520-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.035	DIN 6537 K
5.20	.205	26.9	1.059	5	6	R840-0520-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	0.040	DIN 6537 L
5.30	.209	16.8	.661	3	6	R840-0530-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.031	DIN 6537 K
5.30	.209	27.4	1.079	5	6	R840-0530-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	0.033	DIN 6537 L
5.40	.213	17.1	.673	3	6	R840-0540-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.040	DIN 6537 K
5.40	.213	27.9	1.098	5	6	R840-0540-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	0.035	DIN 6537 L
5.50	.217	17.4	.685	3	6	R840-0550-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.031	DIN 6537 K
5.50	.217	28.4	1.118	5	6	R840-0550-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	0.034	DIN 6537 L
5.60	.220	17.8	.701	3	6	R840-0560-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	0.031	DIN 6537 K
5.60	.220	29.0	1.142	5	6	R840-0560-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	0.034	DIN 6537 L
5.70	.224	17.7	.697	3	6	R840-0570-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	0.032	DIN 6537 K
5.70	.224	29.5	1.161	5	6	R840-0570-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	0.035	DIN 6537 L
5.80	.228	17.6	.693	3	6	R840-0580-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	0.031	DIN 6537 K
5.80	.228	30.0	1.181	5	6	R840-0580-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	0.040	DIN 6537 L
5.90	.232	17.4	.685	2	6	R840-0590-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	0.032	DIN 6537 K
5.90	.232	30.5	1.201	5	6	R840-0590-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	0.035	DIN 6537 L
6.00	.236	19.0	.748	3	6	R840-0600-30-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	0.040	DIN 6537 K
6.00	.236	31.0	1.220	5	6	R840-0600-50-A0A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	0.040	DIN 6537 L
6.10	.240	19.3	.760	3	8	R840-0610-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	0.064	DIN 6537 K
6.10	.240	31.5	1.240	5	8	R840-0610-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	0.050	DIN 6537 L
6.20	.244	19.7	.776	3	8	R840-0620-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.040	DIN 6537 K
6.20	.244	32.1	1.264	5	8	R840-0620-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.050	DIN 6537 L
6.30	.248	20.0	.787	3	8	R840-0630-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.050	DIN 6537 K
6.30	.248	32.6	1.283	5	8	R840-0630-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.040	DIN 6537 L
6.40	.252	20.3	.799	3	8	R840-0640-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.062	DIN 6537 K
6.40	.252	33.1	1.303	5	8	R840-0640-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.050	DIN 6537 L
6.50	.256	20.6	.811	3	8	R840-0650-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.050	DIN 6537 K
6.50	.256	33.6	1.323	5	8	R840-0650-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.074	DIN 6537 L
6.60	.260	20.9	.823	3	8	R840-0660-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.050	DIN 6537 K
6.60	.260	34.1	1.343	5	8	R840-0660-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.040	DIN 6537 L
6.70	.264	21.2	.835	3	8	R840-0670-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.073	DIN 6537 K
6.70	.264	34.6	1.362	5	8	R840-0670-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	0.065	DIN 6537 L
6.80	.268	21.6	.850	3	8	R840-0680-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	0.065	DIN 6537 K
6.80	.268	35.2	1.386	5	8	R840-0680-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.065	DIN 6537 L
6.90	.272	21.9	.862	3	8	R840-0690-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	0.087	DIN 6537 K
6.90	.272	35.7	1.406	5	8	R840-0690-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.068	DIN 6537 L
7.00	.276	22.2	.874	3	8	R840-0700-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	0.069	DIN 6537 K
7.00	.276	36.2	1.425	5	8	R840-0700-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.068	DIN 6537 L
7.10	.280	22.5	.886	3	8	R840-0710-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.068	DIN 6537 K
7.10	.280	36.7	1.445	5	8	R840-0710-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.068	DIN 6537 L
7.20	.283	22.8	.898	3	8	R840-0720-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.070	DIN 6537 K
7.20	.283	37.2	1.465	5	8	R840-0720-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.040	DIN 6537 L
7.30	.287	23.1	.909	3	8	R840-0730-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.070	DIN 6537 K
7.30	.287	37.7	1.484	5	8	R840-0730-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	0.070	DIN 6537 L
7.40	.291	23.5	.925	3	8	R840-0740-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	0.063	DIN 6537 K
7.40	.291	38.3	1.508	5	8	R840-0740-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	0.064	DIN 6537 L
7.50	.295	23.8	.937	3	8	R840-0750-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	0.063	DIN 6537 K
7.50	.295	38.8	1.528	5	8	R840-0750-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	0.063	DIN 6537 L

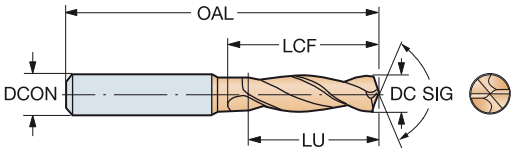
O5 Q5 K252 Q1 Q35

CoroDrill® Delta-C solid-carbide drill

HA shank



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
7.60	.299	24.1	.949	3	8	R840-0760-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	0.067	DIN 6537 K
7.60	.299	39.3	1.547	5	8	R840-0760-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	0.068	DIN 6537 L
7.70	.303	24.4	.961	3	8	R840-0770-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	0.068	DIN 6537 K
7.70	.303	39.8	1.567	5	8	R840-0770-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	0.067	DIN 6537 L
7.80	.307	24.7	.972	3	8	R840-0780-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	0.068	DIN 6537 K
7.80	.307	40.3	1.587	5	8	R840-0780-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	0.050	DIN 6537 L
7.90	.311	25.1	.988	3	8	R840-0790-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	0.050	DIN 6537 K
7.90	.311	40.9	1.610	5	8	R840-0790-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.6	3.528	53	2.087	1.4	.055	140°	0.077	DIN 6537 L
8.00	.315	25.4	1.000	3	8	R840-0800-30-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	0.076	DIN 6537 K
8.00	.315	41.4	1.630	5	8	R840-0800-50-A0A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.6	3.528	53	2.087	1.4	.055	140°	0.076	DIN 6537 L
8.10	.319	25.7	1.012	3	10	R840-0810-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.066	DIN 6537 K
8.10	.319	41.9	1.650	5	10	R840-0810-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.067	DIN 6537 L
8.20	.323	26.0	1.024	3	10	R840-0820-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.066	DIN 6537 K
8.20	.323	42.4	1.669	5	10	R840-0820-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.066	DIN 6537 L
8.30	.327	26.3	1.035	3	10	R840-0830-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.069	DIN 6537 K
8.30	.327	42.9	1.689	5	10	R840-0830-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.070	DIN 6537 L
8.40	.331	26.6	1.047	3	10	R840-0840-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.069	DIN 6537 K
8.40	.331	43.4	1.709	5	10	R840-0840-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	0.069	DIN 6537 L
8.50	.335	27.0	1.063	3	10	R840-0850-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.070	DIN 6537 K
8.50	.335	44.0	1.732	5	10	R840-0850-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.073	DIN 6537 L
8.60	.339	27.3	1.075	3	10	R840-0860-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.074	DIN 6537 K
8.60	.339	44.5	1.752	5	10	R840-0860-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.072	DIN 6537 L
8.70	.343	27.6	1.087	3	10	R840-0870-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.072	DIN 6537 K
8.70	.343	45.0	1.772	5	10	R840-0870-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.090	DIN 6537 L
8.80	.346	27.9	1.098	3	10	R840-0880-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.070	DIN 6537 K
8.80	.346	45.5	1.791	5	10	R840-0880-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.070	DIN 6537 L
8.90	.350	28.2	1.110	3	10	R840-0890-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.105	DIN 6537 K
8.90	.350	46.0	1.811	5	10	R840-0890-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.070	DIN 6537 L
9.00	.354	28.5	1.122	3	10	R840-0900-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.075	DIN 6537 K
9.00	.354	46.5	1.831	5	10	R840-0900-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	0.096	DIN 6537 L
9.10	.358	28.9	1.138	3	10	R840-0910-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.074	DIN 6537 K
9.10	.358	47.1	1.854	5	10	R840-0910-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	0.096	DIN 6537 L
9.20	.362	29.2	1.150	3	10	R840-0920-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.075	DIN 6537 K
9.20	.362	47.6	1.874	5	10	R840-0920-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	0.088	DIN 6537 L
9.30	.366	29.5	1.161	3	10	R840-0930-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.074	DIN 6537 K
9.30	.366	48.1	1.894	5	10	R840-0930-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	0.096	DIN 6537 L
9.40	.370	29.8	1.173	3	10	R840-0940-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.075	DIN 6537 K
9.40	.370	48.6	1.913	5	10	R840-0940-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	0.180	DIN 6537 L
9.50	.374	30.1	1.185	3	10	R840-0950-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.076	DIN 6537 K
9.50	.374	48.7	1.917	5	10	R840-0950-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	0.089	DIN 6537 L
9.60	.378	30.4	1.197	3	10	R840-0960-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.076	DIN 6537 K
9.60	.378	48.5	1.909	5	10	R840-0960-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	0.102	DIN 6537 L
9.70	.382	30.8	1.213	3	10	R840-0970-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	0.104	DIN 6537 K
9.70	.382	48.4	1.906	4	10	R840-0970-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	0.070	DIN 6537 L
9.80	.386	31.1	1.224	3	10	R840-0980-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	0.070	DIN 6537 K
9.80	.386	48.3	1.902	4	10	R840-0980-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	0.096	DIN 6537 L
9.90	.390	31.4	1.236	3	10	R840-0990-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	0.086	DIN 6537 K
9.90	.390	48.1	1.894	4	10	R840-0990-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	0.096	DIN 6537 L

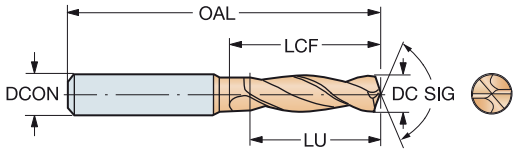
O5 Q5 K252 Q1 Q35

CoroDrill® Delta-C solid-carbide drill

HA shank



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
10.00	.394	31.7	1.248	3	10	R840-1000-30-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	0.107	DIN 6537 K
10.00	.394	48.0	1.890	4	10	R840-1000-50-A0A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	0.096	DIN 6537 L
10.10	.398	32.0	1.260	3	12	R840-1010-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.100	DIN 6537 K
10.10	.398	52.2	2.055	5	12	R840-1010-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	0.151	DIN 6537 L
10.20	.402	32.3	1.272	3	12	R840-1020-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.120	DIN 6537 K
10.20	.402	52.7	2.075	5	12	R840-1020-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	0.150	DIN 6537 L
10.30	.406	32.7	1.287	3	12	R840-1030-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.227	DIN 6537 K
10.30	.406	53.3	2.098	5	12	R840-1030-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	0.151	DIN 6537 L
10.40	.409	33.0	1.299	3	12	R840-1040-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.119	DIN 6537 K
10.40	.409	53.8	2.118	5	12	R840-1040-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	0.150	DIN 6537 L
10.50	.413	33.3	1.311	3	12	R840-1050-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.119	DIN 6537 K
10.50	.413	54.3	2.138	5	12	R840-1050-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	0.154	DIN 6537 L
10.60	.417	33.6	1.323	3	12	R840-1060-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.120	DIN 6537 K
10.60	.417	54.8	2.157	5	12	R840-1060-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	0.157	DIN 6537 L
10.70	.421	33.9	1.335	3	12	R840-1070-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.155	DIN 6537 K
10.70	.421	55.3	2.177	5	12	R840-1070-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	0.156	DIN 6537 L
10.80	.425	34.3	1.350	3	12	R840-1080-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	0.120	DIN 6537 K
10.80	.425	55.9	2.201	5	12	R840-1080-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	0.120	DIN 6537 L
10.90	.429	34.6	1.362	3	12	R840-1090-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	0.160	DIN 6537 K
11.00	.433	34.9	1.374	3	12	R840-1100-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	0.160	DIN 6537 K
11.00	.433	56.9	2.240	5	12	R840-1100-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	0.119	DIN 6537 L
11.10	.437	35.2	1.386	3	12	R840-1110-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	0.150	DIN 6537 K
11.10	.437	57.4	2.260	5	12	R840-1110-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	0.150	DIN 6537 L
11.20	.441	35.5	1.398	3	12	R840-1120-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	0.150	DIN 6537 K
11.20	.441	57.6	2.268	5	12	R840-1120-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	0.120	DIN 6537 L
11.30	.445	35.8	1.409	3	12	R840-1130-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	0.120	DIN 6537 K
11.30	.445	57.4	2.260	5	12	R840-1130-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	0.120	DIN 6537 L
11.40	.449	36.2	1.425	3	12	R840-1140-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	0.152	DIN 6537 K
11.50	.453	36.5	1.437	3	12	R840-1150-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	0.152	DIN 6537 K
11.50	.453	57.2	2.252	4	12	R840-1150-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	0.154	DIN 6537 L
11.60	.457	36.8	1.449	3	12	R840-1160-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	0.153	DIN 6537 K
11.60	.457	57.1	2.248	4	12	R840-1160-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	0.120	DIN 6537 L
11.70	.461	37.1	1.461	3	12	R840-1170-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	0.154	DIN 6537 K
11.70	.461	57.0	2.244	4	12	R840-1170-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	0.150	DIN 6537 L
11.80	.465	37.4	1.472	3	12	R840-1180-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	0.150	DIN 6537 K
11.80	.465	56.8	2.236	4	12	R840-1180-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	0.149	DIN 6537 L
11.90	.469	37.7	1.484	3	12	R840-1190-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	0.150	DIN 6537 K
11.90	.469	56.7	2.232	4	12	R840-1190-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	0.150	DIN 6537 L
12.00	.472	38.1	1.500	3	12	R840-1200-30-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	99.9	3.933	55	2.165	2.1	.083	140°	0.149	DIN 6537 K
12.00	.472	56.6	2.228	4	12	R840-1200-50-A0A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	115.9	4.563	71	2.795	2.1	.083	140°	0.150	DIN 6537 L
12.10	.476	38.4	1.512	3	14	R840-1210-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.186	DIN 6537 K
12.10	.476	62.5	2.461	5	14	R840-1210-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	0.103	DIN 6537 L
12.20	.480	38.7	1.524	3	14	R840-1220-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.149	DIN 6537 K
12.20	.480	62.4	2.457	5	14	R840-1220-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	0.180	DIN 6537 L
12.30	.484	39.0	1.535	3	14	R840-1230-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.156	DIN 6537 K
12.30	.484	62.2	2.449	5	14	R840-1230-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	0.190	DIN 6537 L
12.40	.488	39.3	1.547	3	14	R840-1240-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.154	DIN 6537 K
12.40	.488	62.1	2.445	5	14	R840-1240-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	0.200	DIN 6537 L

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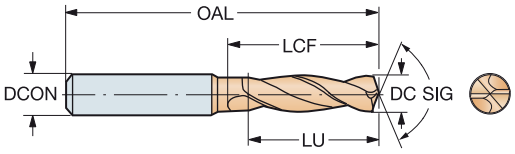
 Q35

CoroDrill® Delta-C solid-carbide drill

HA shank

TCHA H9
CNSC 0





DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
12.50	.492	39.6	1.559	3	14	R840-1250-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.150	DIN 6537 K
12.50	.492	62.0	2.441	4	14	R840-1250-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	0.180	DIN 6537 L
12.60	.496	40.0	1.575	3	14	R840-1260-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	0.180	DIN 6537 K
12.60	.496	61.9	2.437	4	14	R840-1260-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	0.200	DIN 6537 L
12.70	.500	40.3	1.587	3	14	R840-1270-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	0.150	DIN 6537 K
12.70	.500	61.8	2.433	4	14	R840-1270-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	0.200	DIN 6537 L
12.80	.504	40.6	1.598	3	14	R840-1280-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	0.180	DIN 6537 K
12.80	.504	61.6	2.425	4	14	R840-1280-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	0.185	DIN 6537 L
13.00	.512	41.2	1.622	3	14	R840-1300-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	0.157	DIN 6537 K
13.00	.512	61.4	2.417	4	14	R840-1300-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	0.200	DIN 6537 L
13.25	.522	42.0	1.654	3	14	R840-1325-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	0.150	DIN 6537 K
13.25	.522	61.1	2.406	4	14	R840-1325-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	0.300	DIN 6537 L
13.50	.531	42.8	1.685	3	14	R840-1350-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	0.184	DIN 6537 K
13.50	.531	60.8	2.394	4	14	R840-1350-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	0.227	DIN 6537 L
13.75	.541	43.5	1.713	3	14	R840-1375-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	0.190	DIN 6537 K
13.75	.541	60.5	2.382	4	14	R840-1375-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	0.209	DIN 6537 L
13.80	.543	43.4	1.709	3	14	R840-1380-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	0.180	DIN 6537 K
13.80	.543	60.4	2.378	4	14	R840-1380-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	0.104	DIN 6537 L
14.00	.551	44.4	1.748	3	14	R840-1400-30-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	0.182	DIN 6537 K
14.00	.551	63.0	2.480	4	14	R840-1400-50-A0A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	0.306	DIN 6537 L
14.25	.561	45.2	1.780	3	16	R840-1425-30-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	0.242	DIN 6537 K
14.25	.561	68.8	2.709	4	16	R840-1425-50-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	0.266	DIN 6537 L
14.50	.571	46.0	1.811	3	16	R840-1450-30-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	0.300	DIN 6537 K
14.50	.571	68.5	2.697	4	16	R840-1450-50-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	0.291	DIN 6537 L
14.75	.581	46.8	1.843	3	16	R840-1475-30-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	0.265	DIN 6537 K
14.75	.581	68.3	2.689	4	16	R840-1475-50-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	0.264	DIN 6537 L
14.80	.583	46.9	1.846	3	16	R840-1480-30-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	0.240	DIN 6537 K
14.80	.583	68.2	2.685	4	16	R840-1480-50-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	0.264	DIN 6537 L
15.00	.591	47.6	1.874	3	16	R840-1500-30-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.4	4.425	65	2.559	2.6	.102	140°	0.240	DIN 6537 K
15.00	.591	68.0	2.677	4	16	R840-1500-50-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.4	5.134	83	3.268	2.6	.102	140°	0.241	DIN 6537 L
15.50	.610	49.2	1.937	3	16	R840-1550-30-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	0.265	DIN 6537 K
15.50	.610	67.5	2.657	4	16	R840-1550-50-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.3	5.130	83	3.268	2.7	.106	140°	0.291	DIN 6537 L
15.80	.622	49.2	1.937	3	16	R840-1580-30-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	0.400	DIN 6537 K
15.80	.622	67.2	2.646	4	16	R840-1580-50-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.3	5.130	83	3.268	2.7	.106	140°	0.240	DIN 6537 L
16.00	.630	49.0	1.929	3	16	R840-1600-30-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.2	4.417	65	2.559	2.8	.110	140°	0.268	DIN 6537 K
16.00	.630	67.0	2.638	4	16	R840-1600-50-A0A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.2	5.126	83	3.268	2.8	.110	140°	0.300	DIN 6537 L
16.50	.650	52.3	2.059	3	18	R840-1650-30-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.2	4.732	73	2.874	2.8	.110	140°	0.400	DIN 6537 K
16.50	.650	76.5	3.012	4	18	R840-1650-50-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.2	5.520	93	3.661	2.8	.110	140°	0.300	DIN 6537 L
16.80	.661	53.3	2.098	3	18	R840-1680-30-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.1	4.728	73	2.874	2.9	.114	140°	0.400	DIN 6537 K
16.80	.661	76.2	3.000	4	18	R840-1680-50-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.1	5.516	93	3.661	2.9	.114	140°	0.400	DIN 6537 L
17.00	.669	53.9	2.122	3	18	R840-1700-30-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.1	4.728	73	2.874	2.9	.114	140°	0.400	DIN 6537 K
17.00	.669	76.0	2.992	4	18	R840-1700-50-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.1	5.516	93	3.661	2.9	.114	140°	0.400	DIN 6537 L
17.50	.689	55.5	2.185	3	18	R840-1750-30-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.0	4.724	73	2.874	3.0	.118	140°	0.399	DIN 6537 K
17.50	.689	75.5	2.972	4	18	R840-1750-50-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.0	5.512	93	3.661	3.0	.118	140°	0.400	DIN 6537 L
17.80	.701	55.2	2.173	3	18	R840-1780-30-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	119.9	4.720	73	2.874	3.1	.122	140°	0.264	DIN 6537 K
17.80	.701	75.2	2.961	4	18	R840-1780-50-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	139.9	5.508	93	3.661	3.1	.122	140°	0.400	DIN 6537 L
18.00	.709	57.1	2.248	3	18	R840-1800-30-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	119.9	4.720	73	2.874	3.1	.122	140°	0.400	DIN 6537 K
18.00	.709	78.6	3.094	4	18	R840-1800-50-A0A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	139.9	5.508	93	3.661	3.1	.122	140°	0.400	DIN 6537 L


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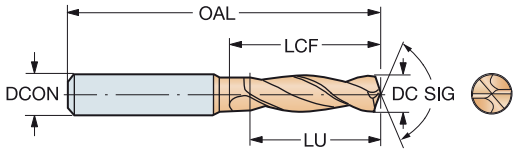

Q35

CoroDrill® Delta-C solid-carbide drill

HA shank



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
18.50	.728	58.7	2.311	3	20	R840-1850-30-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.8	5.032	79	3.110	3.2	.126	140°	0.440	DIN 6537 K
18.50	.728	86.2	3.394	4	20	R840-1850-50-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.8	5.898	101	3.976	3.2	.126	140°	0.200	DIN 6537 L
18.80	.740	59.6	2.346	3	20	R840-1880-30-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.8	5.032	79	3.110	3.2	.126	140°	0.440	DIN 6537 K
18.80	.740	86.0	3.386	4	20	R840-1880-50-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.8	5.898	101	3.976	3.2	.126	140°	0.189	DIN 6537 L
19.00	.748	60.3	2.374	3	20	R840-1900-30-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.7	5.028	79	3.110	3.3	.130	140°	0.180	DIN 6537 K
19.00	.748	85.8	3.378	4	20	R840-1900-50-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.7	5.894	101	3.976	3.3	.130	140°	0.180	DIN 6537 L
19.50	.768	61.9	2.437	3	20	R840-1950-30-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.6	5.024	79	3.110	3.4	.134	140°	0.480	DIN 6537 K
19.80	.780	62.8	2.472	3	20	R840-1980-30-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.6	5.024	79	3.110	3.4	.134	140°	0.440	DIN 6537 K
19.80	.780	85.2	3.354	4	20	R840-1980-50-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.6	5.890	101	3.976	3.4	.134	140°	0.547	DIN 6537 L
20.00	.787	63.0	2.480	3	20	R840-2000-30-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.6	5.024	79	3.110	3.4	.134	140°	0.440	DIN 6537 K
20.00	.787	85.0	3.346	4	20	R840-2000-50-A0A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.6	5.890	101	3.976	3.4	.134	140°	0.500	DIN 6537 L

O5 Q5 K252 Q1 Q35

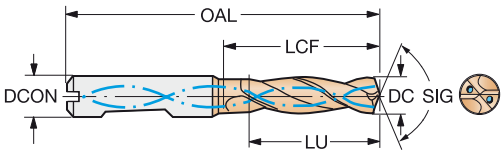
CoroDrill® Delta-C solid-carbide drill

Whistle Notch shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
5.00	.197	15.8	.622	3	6	R840-0500-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	20	0.030	DIN 6537 K
5.00	.197	25.8	1.016	5	6	R840-0500-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.2	3.197	44	1.732	0.8	.031	140°	20	0.035	DIN 6537 L
5.10	.201	16.2	.638	3	6	R840-0510-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.030	DIN 6537 K
5.10	.201	26.4	1.039	5	6	R840-0510-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.039	DIN 6537 L
5.20	.205	16.5	.650	3	6	R840-0520-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.029	DIN 6537 K
5.20	.205	26.9	1.059	5	6	R840-0520-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.040	DIN 6537 L
5.30	.209	16.8	.661	3	6	R840-0530-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.029	DIN 6537 K
5.30	.209	27.4	1.079	5	6	R840-0530-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.040	DIN 6537 L
5.50	.217	17.4	.685	3	6	R840-0550-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	20	0.030	DIN 6537 K
5.50	.217	28.4	1.118	5	6	R840-0550-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.1	3.193	44	1.732	0.9	.035	140°	20	0.040	DIN 6537 L
5.60	.220	17.8	.701	3	6	R840-0560-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.040	DIN 6537 K
5.60	.220	29.0	1.142	5	6	R840-0560-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.035	DIN 6537 L
5.70	.224	17.7	.697	3	6	R840-0570-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.030	DIN 6537 K
5.70	.224	29.5	1.161	5	6	R840-0570-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.034	DIN 6537 L
5.80	.228	17.6	.693	3	6	R840-0580-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.030	DIN 6537 K
5.80	.228	30.0	1.181	5	6	R840-0580-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.036	DIN 6537 L
5.90	.232	17.4	.685	2	6	R840-0590-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.020	DIN 6537 K
5.90	.232	30.5	1.201	5	6	R840-0590-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.034	DIN 6537 L
6.00	.236	19.0	.748	3	6	R840-0600-30-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	20	0.040	DIN 6537 K
6.00	.236	31.0	1.220	5	6	R840-0600-50-W1A	☆	☆	☆	☆	☆	☆	6.00	.236	82	3.228	81.0	3.189	44	1.732	1.0	.039	140°	20	0.050	DIN 6537 L
6.10	.240	19.3	.760	3	8	R840-0610-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.0	3.071	34	1.339	1.0	.039	140°	20	0.040	DIN 6537 K
6.10	.240	31.5	1.240	5	8	R840-0610-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	90.0	3.543	53	2.087	1.0	.039	140°	20	0.040	DIN 6537 L
6.20	.244	19.7	.776	3	8	R840-0620-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.064	DIN 6537 K
6.20	.244	32.1	1.264	5	8	R840-0620-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.046	DIN 6537 L
6.30	.248	20.0	.787	3	8	R840-0630-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.040	DIN 6537 K
6.30	.248	32.6	1.283	5	8	R840-0630-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.046	DIN 6537 L
6.40	.252	20.3	.799	3	8	R840-0640-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.046	DIN 6537 K
6.40	.252	33.1	1.303	5	8	R840-0640-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.040	DIN 6537 L
6.50	.256	20.6	.811	3	8	R840-0650-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.046	DIN 6537 K
6.50	.256	33.6	1.323	5	8	R840-0650-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.048	DIN 6537 L
6.60	.260	20.9	.823	3	8	R840-0660-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.047	DIN 6537 K
6.60	.260	34.1	1.343	5	8	R840-0660-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.050	DIN 6537 L
6.70	.264	21.2	.835	3	8	R840-0670-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	20	0.040	DIN 6537 K
6.70	.264	34.6	1.362	5	8	R840-0670-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.9	3.539	53	2.087	1.1	.043	140°	20	0.048	DIN 6537 L
6.80	.268	21.6	.850	3	8	R840-0680-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	20	0.040	DIN 6537 K
6.80	.268	35.2	1.386	5	8	R840-0680-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.065	DIN 6537 L
6.90	.272	21.9	.862	3	8	R840-0690-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	20	0.040	DIN 6537 K
6.90	.272	35.7	1.406	5	8	R840-0690-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.050	DIN 6537 L
7.00	.276	22.2	.874	3	8	R840-0700-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	20	0.068	DIN 6537 K
7.00	.276	36.2	1.425	5	8	R840-0700-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.050	DIN 6537 L
7.10	.280	22.5	.886	3	8	R840-0710-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.047	DIN 6537 K
7.10	.280	36.7	1.445	5	8	R840-0710-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.070	DIN 6537 L
7.20	.283	22.8	.898	3	8	R840-0720-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.040	DIN 6537 K
7.20	.283	37.2	1.465	5	8	R840-0720-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.070	DIN 6537 L
7.30	.287	23.1	.909	3	8	R840-0730-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	20	0.048	DIN 6537 K
7.30	.287	37.7	1.484	5	8	R840-0730-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.8	3.535	53	2.087	1.2	.047	140°	20	0.070	DIN 6537 L
7.40	.291	23.5	.925	3	8	R840-0740-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.050	DIN 6537 K
7.40	.291	38.3	1.508	5	8	R840-0740-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.040	DIN 6537 L

 O5

 Q5

 K252

 Q1

 Q35

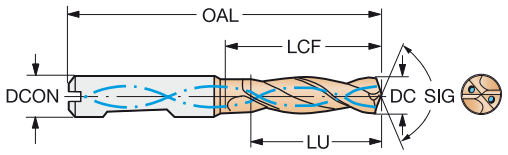
CoroDrill® Delta-C solid-carbide drill

Whistle Notch shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
7.50	.295	23.8	.937	3	8	R840-0750-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.049	DIN 6537 K
7.50	.295	38.8	1.528	5	8	R840-0750-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.063	DIN 6537 L
7.60	.299	24.1	.949	3	8	R840-0760-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.049	DIN 6537 K
7.60	.299	39.3	1.547	5	8	R840-0760-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.068	DIN 6537 L
7.70	.303	24.4	.961	3	8	R840-0770-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.050	DIN 6537 K
7.70	.303	39.8	1.567	5	8	R840-0770-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.068	DIN 6537 L
7.80	.307	24.7	.972	3	8	R840-0780-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	20	0.068	DIN 6537 K
7.80	.307	40.3	1.587	5	8	R840-0780-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.7	3.532	53	2.087	1.3	.051	140°	20	0.077	DIN 6537 L
7.90	.311	25.1	.988	3	8	R840-0790-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	20	0.050	DIN 6537 K
7.90	.311	40.9	1.610	5	8	R840-0790-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.6	3.528	53	2.087	1.4	.055	140°	20	0.076	DIN 6537 L
8.00	.315	25.4	1.000	3	8	R840-0800-30-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	20	0.076	DIN 6537 K
8.00	.315	41.4	1.630	5	8	R840-0800-50-W1A	☆	☆	☆	☆	☆	☆	8.00	.315	91	3.583	89.6	3.528	53	2.087	1.4	.055	140°	20	0.066	DIN 6537 L
8.10	.319	25.7	1.012	3	10	R840-0810-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.067	DIN 6537 K
8.10	.319	41.9	1.650	5	10	R840-0810-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.065	DIN 6537 L
8.20	.323	26.0	1.024	3	10	R840-0820-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.066	DIN 6537 K
8.20	.323	42.4	1.669	5	10	R840-0820-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.066	DIN 6537 L
8.30	.327	26.3	1.035	3	10	R840-0830-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.070	DIN 6537 K
8.30	.327	42.9	1.689	5	10	R840-0830-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.070	DIN 6537 L
8.40	.331	26.6	1.047	3	10	R840-0840-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	20	0.069	DIN 6537 K
8.40	.331	43.4	1.709	5	10	R840-0840-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.6	4.000	61	2.402	1.4	.055	140°	20	0.069	DIN 6537 L
8.50	.335	27.0	1.063	3	10	R840-0850-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.073	DIN 6537 K
8.50	.335	44.0	1.732	5	10	R840-0850-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.074	DIN 6537 L
8.60	.339	27.3	1.075	3	10	R840-0860-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.072	DIN 6537 K
8.60	.339	44.5	1.752	5	10	R840-0860-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.072	DIN 6537 L
8.70	.343	27.6	1.087	3	10	R840-0870-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.073	DIN 6537 K
8.70	.343	45.0	1.772	5	10	R840-0870-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.105	DIN 6537 L
8.80	.346	27.9	1.098	3	10	R840-0880-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.070	DIN 6537 K
8.80	.346	45.5	1.791	5	10	R840-0880-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.070	DIN 6537 L
8.90	.350	46.0	1.811	5	10	R840-0890-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.074	DIN 6537 L
9.00	.354	28.5	1.122	3	10	R840-0900-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	20	0.075	DIN 6537 K
9.00	.354	46.5	1.831	5	10	R840-0900-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.5	3.996	61	2.402	1.5	.059	140°	20	0.075	DIN 6537 L
9.10	.358	47.1	1.854	5	10	R840-0910-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.074	DIN 6537 L
9.20	.362	29.2	1.150	3	10	R840-0920-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.075	DIN 6537 K
9.20	.362	47.6	1.874	5	10	R840-0920-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.075	DIN 6537 L
9.30	.366	29.5	1.161	3	10	R840-0930-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.075	DIN 6537 K
9.30	.366	48.1	1.894	5	10	R840-0930-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.075	DIN 6537 L
9.40	.370	48.6	1.913	5	10	R840-0940-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.087	DIN 6537 L
9.50	.374	30.1	1.185	3	10	R840-0950-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.076	DIN 6537 K
9.50	.374	48.7	1.917	5	10	R840-0950-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.075	DIN 6537 L
9.60	.378	30.4	1.197	3	10	R840-0960-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	20	0.070	DIN 6537 K
9.60	.378	48.5	1.909	5	10	R840-0960-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.4	3.992	61	2.402	1.6	.063	140°	20	0.100	DIN 6537 L
9.70	.382	30.8	1.213	3	10	R840-0970-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.070	DIN 6537 K
9.70	.382	48.4	1.906	4	10	R840-0970-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.620	DIN 6537 L
9.80	.386	31.1	1.224	3	10	R840-0980-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.070	DIN 6537 K
9.80	.386	48.3	1.902	4	10	R840-0980-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.103	DIN 6537 L
9.90	.390	31.4	1.236	3	10	R840-0990-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.106	DIN 6537 K
10.00	.394	31.7	1.248	3	10	R840-1000-30-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	20	0.070	DIN 6537 K
10.00	.394	48.0	1.890	4	10	R840-1000-50-W1A	☆	☆	☆	☆	☆	☆	10.00	.394	103	4.055	101.3	3.988	61	2.402	1.7	.067	140°	20	0.096	DIN 6537 L

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SANDVIK Coromant

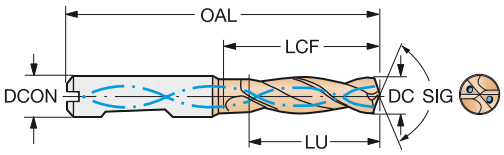
CoroDrill® Delta-C solid-carbide drill

Whistle Notch shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
10.10	.398	32.0	1.260	3	12	R840-1010-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.110	DIN 6537 K
10.10	.398	52.2	2.055	5	12	R840-1010-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.151	DIN 6537 L
10.20	.402	32.3	1.272	3	12	R840-1020-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	20	0.120	DIN 6537 K
10.20	.402	52.7	2.075	5	12	R840-1020-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.3	4.579	71	2.795	1.7	.067	140°	20	0.150	DIN 6537 L
10.30	.406	32.7	1.287	3	12	R840-1030-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.120	DIN 6537 K
10.30	.406	53.3	2.098	5	12	R840-1030-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.100	DIN 6537 L
10.40	.409	33.0	1.299	3	12	R840-1040-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.119	DIN 6537 K
10.40	.409	53.8	2.118	5	12	R840-1040-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.150	DIN 6537 L
10.50	.413	33.3	1.311	3	12	R840-1050-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.119	DIN 6537 K
10.50	.413	54.3	2.138	5	12	R840-1050-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.156	DIN 6537 L
10.60	.417	33.6	1.323	3	12	R840-1060-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.120	DIN 6537 K
10.60	.417	54.8	2.157	5	12	R840-1060-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.120	DIN 6537 L
10.70	.421	33.9	1.335	3	12	R840-1070-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	20	0.120	DIN 6537 K
10.70	.421	55.3	2.177	5	12	R840-1070-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.2	4.575	71	2.795	1.8	.071	140°	20	0.120	DIN 6537 L
10.80	.425	34.3	1.350	3	12	R840-1080-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.120	DIN 6537 K
10.80	.425	55.9	2.201	5	12	R840-1080-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.160	DIN 6537 L
10.90	.429	56.4	2.220	5	12	R840-1090-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.160	DIN 6537 L
11.00	.433	34.9	1.374	3	12	R840-1100-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.119	DIN 6537 K
11.00	.433	56.9	2.240	5	12	R840-1100-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.150	DIN 6537 L
11.10	.437	35.2	1.386	3	12	R840-1110-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.119	DIN 6537 K
11.10	.437	57.4	2.260	5	12	R840-1110-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.150	DIN 6537 L
11.20	.441	35.5	1.398	3	12	R840-1120-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	20	0.120	DIN 6537 K
11.20	.441	57.6	2.268	5	12	R840-1120-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.152	DIN 6537 L
11.30	.445	57.4	2.260	5	12	R840-1130-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.1	4.571	71	2.795	1.9	.075	140°	20	0.151	DIN 6537 L
11.50	.453	36.5	1.437	3	12	R840-1150-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.154	DIN 6537 K
11.50	.453	57.2	2.252	4	12	R840-1150-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.155	DIN 6537 L
11.60	.457	36.8	1.449	3	12	R840-1160-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.153	DIN 6537 K
11.70	.461	37.1	1.461	3	12	R840-1170-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.119	DIN 6537 K
11.80	.465	37.4	1.472	3	12	R840-1180-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	20	0.150	DIN 6537 K
11.80	.465	56.8	2.236	4	12	R840-1180-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.150	DIN 6537 L
11.90	.469	56.7	2.232	4	12	R840-1190-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	116.0	4.567	71	2.795	2.0	.079	140°	20	0.150	DIN 6537 L
12.00	.472	38.1	1.500	3	12	R840-1200-30-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	99.9	3.933	55	2.165	2.1	.083	140°	20	0.119	DIN 6537 K
12.00	.472	56.6	2.228	4	12	R840-1200-50-W1A	☆	☆	☆	☆	☆	☆	12.00	.472	118	4.646	115.9	4.563	71	2.795	2.1	.083	140°	20	0.150	DIN 6537 L
12.10	.476	38.4	1.512	3	14	R840-1210-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.149	DIN 6537 K
12.10	.476	62.5	2.461	5	14	R840-1210-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.149	DIN 6537 L
12.20	.480	38.7	1.524	3	14	R840-1220-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.150	DIN 6537 K
12.20	.480	62.4	2.457	5	14	R840-1220-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.156	DIN 6537 L
12.30	.484	39.0	1.535	3	14	R840-1230-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.156	DIN 6537 K
12.30	.484	62.2	2.449	5	14	R840-1230-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.181	DIN 6537 L
12.40	.488	39.3	1.547	3	14	R840-1240-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.155	DIN 6537 K
12.50	.492	39.6	1.559	3	14	R840-1250-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	20	0.185	DIN 6537 K
12.50	.492	62.0	2.441	4	14	R840-1250-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.9	4.799	77	3.032	2.1	.083	140°	20	0.200	DIN 6537 L
12.60	.496	40.0	1.575	3	14	R840-1260-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.150	DIN 6537 K
12.70	.500	40.3	1.587	3	14	R840-1270-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.150	DIN 6537 K
12.70	.500	61.8	2.433	4	14	R840-1270-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	20	0.180	DIN 6537 L
12.80	.504	40.6	1.598	3	14	R840-1280-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.200	DIN 6537 K
13.00	.512	41.2	1.622	3	14	R840-1300-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	20	0.157	DIN 6537 K
13.00	.512	61.4	2.417	4	14	R840-1300-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.8	4.795	77	3.032	2.2	.087	140°	20	0.180	DIN 6537 L

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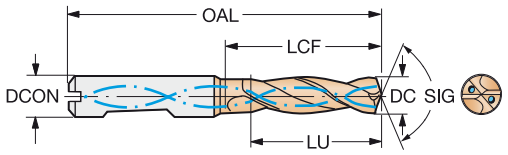
CoroDrill® Delta-C solid-carbide drill

Whistle Notch shank

Internal coolant supply



TCHA H9
CNSC 1



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
13.25	.522	42.0	1.654	3	14	R840-1325-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.150	DIN 6537 K
13.25	.522	61.1	2.406	4	14	R840-1325-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.150	DIN 6537 L
13.50	.531	42.8	1.685	3	14	R840-1350-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	20	0.200	DIN 6537 K
13.50	.531	60.8	2.394	4	14	R840-1350-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.7	4.791	77	3.032	2.3	.091	140°	20	0.188	DIN 6537 L
13.75	.541	43.5	1.713	3	14	R840-1375-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	20	0.193	DIN 6537 K
13.75	.541	60.5	2.382	4	14	R840-1375-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	20	0.200	DIN 6537 L
13.80	.543	43.4	1.709	3	14	R840-1380-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	20	0.160	DIN 6537 K
13.80	.543	60.4	2.378	4	14	R840-1380-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	20	0.106	DIN 6537 L
14.00	.551	44.4	1.748	3	14	R840-1400-30-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	20	0.307	DIN 6537 K
14.00	.551	63.0	2.480	4	14	R840-1400-50-W1A	☆	☆	☆	☆	☆	☆	14.00	.551	124	4.882	121.6	4.787	77	3.032	2.4	.094	140°	20	0.480	DIN 6537 L
14.25	.561	45.2	1.780	3	16	R840-1425-30-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.227	DIN 6537 K
14.25	.561	68.8	2.709	4	16	R840-1425-50-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.242	DIN 6537 L
14.50	.571	46.0	1.811	3	16	R840-1450-30-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.227	DIN 6537 K
14.50	.571	68.5	2.697	4	16	R840-1450-50-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.240	DIN 6537 L
14.75	.581	68.3	2.689	4	16	R840-1475-50-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.264	DIN 6537 L
14.80	.583	46.9	1.846	3	16	R840-1480-30-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	20	0.227	DIN 6537 K
14.80	.583	68.2	2.685	4	16	R840-1480-50-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.5	5.138	83	3.268	2.5	.098	140°	20	0.240	DIN 6537 L
15.00	.591	47.6	1.874	3	16	R840-1500-30-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.4	4.425	65	2.559	2.6	.102	140°	20	0.180	DIN 6537 K
15.00	.591	68.0	2.677	4	16	R840-1500-50-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.4	5.134	83	3.268	2.6	.102	140°	20	0.265	DIN 6537 L
15.50	.610	49.2	1.937	3	16	R840-1550-30-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	20	0.240	DIN 6537 K
15.50	.610	67.5	2.657	4	16	R840-1550-50-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.3	5.130	83	3.268	2.7	.106	140°	20	0.265	DIN 6537 L
15.80	.622	49.2	1.937	3	16	R840-1580-30-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	20	0.240	DIN 6537 K
15.80	.622	67.2	2.646	4	16	R840-1580-50-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.3	5.130	83	3.268	2.7	.106	140°	20	0.265	DIN 6537 L
16.00	.630	49.0	1.929	3	16	R840-1600-30-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.2	4.417	65	2.559	2.8	.110	140°	20	0.246	DIN 6537 K
16.00	.630	67.0	2.638	4	16	R840-1600-50-W1A	☆	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.2	5.126	83	3.268	2.8	.110	140°	20	0.295	DIN 6537 L
16.50	.650	52.3	2.059	3	18	R840-1650-30-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.2	4.732	73	2.874	2.8	.110	140°	20	0.300	DIN 6537 K
16.50	.650	76.5	3.012	4	18	R840-1650-50-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.2	5.520	93	3.661	2.8	.110	140°	20	0.400	DIN 6537 L
16.80	.661	53.3	2.098	3	18	R840-1680-30-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.1	4.728	73	2.874	2.9	.114	140°	20	0.400	DIN 6537 K
16.80	.661	76.2	3.000	4	18	R840-1680-50-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.1	5.516	93	3.661	2.9	.114	140°	20	0.400	DIN 6537 L
17.00	.669	53.9	2.122	3	18	R840-1700-30-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.1	4.728	73	2.874	2.9	.114	140°	20	0.449	DIN 6537 K
17.00	.669	76.0	2.992	4	18	R840-1700-50-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.1	5.516	93	3.661	2.9	.114	140°	20	0.400	DIN 6537 L
17.50	.689	55.5	2.185	3	18	R840-1750-30-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.0	4.724	73	2.874	3.0	.118	140°	20	0.400	DIN 6537 K
17.50	.689	75.5	2.972	4	18	R840-1750-50-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	140.0	5.512	93	3.661	3.0	.118	140°	20	0.400	DIN 6537 L
17.80	.701	55.2	2.173	3	18	R840-1780-30-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	119.9	4.720	73	2.874	3.1	.122	140°	20	0.399	DIN 6537 K
17.80	.701	75.2	2.961	4	18	R840-1780-50-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	139.9	5.508	93	3.661	3.1	.122	140°	20	0.400	DIN 6537 L
18.00	.709	57.1	2.248	3	18	R840-1800-30-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	119.9	4.720	73	2.874	3.1	.122	140°	20	0.300	DIN 6537 K
18.00	.709	78.6	3.094	4	18	R840-1800-50-W1A	☆	☆	☆	☆	☆	☆	18.00	.709	143	5.630	139.9	5.508	93	3.661	3.1	.122	140°	20	0.400	DIN 6537 L
18.50	.728	58.7	2.311	3	20	R840-1850-30-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.8	5.032	79	3.110	3.2	.126	140°	20	0.400	DIN 6537 K
18.50	.728	86.2	3.394	4	20	R840-1850-50-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.8	5.898	101	3.976	3.2	.126	140°	20	0.440	DIN 6537 L
18.80	.740	59.6	2.346	3	20	R840-1880-30-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.8	5.032	79	3.110	3.2	.126	140°	20	0.400	DIN 6537 K
19.00	.748	60.3	2.374	3	20	R840-1900-30-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.7	5.028	79	3.110	3.3	.130	140°	20	0.400	DIN 6537 K
19.00	.748	85.8	3.378	4	20	R840-1900-50-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.7	5.894	101	3.976	3.3	.130	140°	20	0.210	DIN 6537 L
19.50	.768	61.9	2.437	3	20	R840-1950-30-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.6	5.024	79	3.110	3.4	.134	140°	20	0.440	DIN 6537 K
19.50	.768	85.4	3.362	4	20	R840-1950-50-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.6	5.890	101	3.976	3.4	.134	140°	20	0.480	DIN 6537 L
19.80	.780	85.2	3.354	4	20	R840-1980-50-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.6	5.890	101	3.976	3.4	.134	140°	20	0.480	DIN 6537 L
20.00	.787	63.0	2.480	3	20	R840-2000-30-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.6	5.024	79	3.110	3.4	.134	140°	20	0.440	DIN 6537 K
20.00	.787	85.0	3.346	4	20	R840-2000-50-W1A	☆	☆	☆	☆	☆	☆	20.00	.787	153	6.024	149.6	5.890	101	3.976	3.4	.134	140°	20	0.480	DIN 6537 L

O5 Q5 K252 Q1 Q35

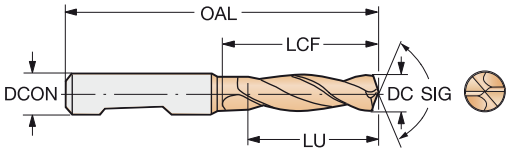
SANDVIK Coromant

CoroDrill® Delta-C solid-carbide drill

Whistle Notch shank



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
3.00	.118	9.5	.374	3	6	R840-0300-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.030	DIN 6537 K
3.10	.122	9.8	.386	3	6	R840-0310-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.20	.126	10.1	.398	3	6	R840-0320-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.5	2.421	20	.787	0.5	.020	140°	0.020	DIN 6537 K
3.30	.130	10.5	.413	3	6	R840-0330-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.030	DIN 6537 K
3.40	.134	10.8	.425	3	6	R840-0340-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.040	DIN 6537 K
3.50	.138	11.1	.437	3	6	R840-0350-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.020	DIN 6537 K
3.60	.142	11.4	.449	3	6	R840-0360-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.028	DIN 6537 K
3.70	.146	11.7	.461	3	6	R840-0370-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	20	.787	0.6	.024	140°	0.028	DIN 6537 K
3.80	.150	12.0	.472	3	6	R840-0380-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	24	.945	0.6	.024	140°	0.040	DIN 6537 K
4.00	.157	12.7	.500	3	6	R840-0400-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.030	DIN 6537 K
4.10	.161	13.0	.512	3	6	R840-0410-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.029	DIN 6537 K
4.20	.165	13.3	.524	3	6	R840-0420-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.040	DIN 6537 K
4.30	.169	13.6	.535	3	6	R840-0430-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.028	DIN 6537 K
4.40	.173	13.9	.547	3	6	R840-0440-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	24	.945	0.7	.028	140°	0.030	DIN 6537 K
4.50	.177	14.3	.563	3	6	R840-0450-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	0.067	DIN 6537 K
4.70	.185	14.6	.575	3	6	R840-0470-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	24	.945	0.8	.031	140°	0.040	DIN 6537 K
4.80	.189	15.2	.598	3	6	R840-0480-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.020	DIN 6537 K
5.00	.197	15.8	.622	3	6	R840-0500-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	28	1.102	0.8	.031	140°	0.030	DIN 6537 K
5.10	.201	16.2	.638	3	6	R840-0510-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.020	DIN 6537 K
5.20	.205	16.5	.650	3	6	R840-0520-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.031	DIN 6537 K
5.30	.209	16.8	.661	3	6	R840-0530-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.020	DIN 6537 K
5.40	.213	17.1	.673	3	6	R840-0540-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.031	DIN 6537 K
5.50	.217	17.4	.685	3	6	R840-0550-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.1	2.563	28	1.102	0.9	.035	140°	0.030	DIN 6537 K
5.80	.228	17.6	.693	3	6	R840-0580-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	0.040	DIN 6537 K
6.00	.236	19.0	.748	3	6	R840-0600-30-W0A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.0	2.559	28	1.102	1.0	.039	140°	0.064	DIN 6537 K
6.20	.244	19.7	.776	3	8	R840-0620-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.064	DIN 6537 K
6.30	.248	20.0	.787	3	8	R840-0630-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.048	DIN 6537 K
6.40	.252	20.3	.799	3	8	R840-0640-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.045	DIN 6537 K
6.50	.256	20.6	.811	3	8	R840-0650-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.050	DIN 6537 K
6.60	.260	20.9	.823	3	8	R840-0660-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.9	3.067	34	1.339	1.1	.043	140°	0.050	DIN 6537 K
6.80	.268	21.6	.850	3	8	R840-0680-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	0.065	DIN 6537 K
6.90	.272	21.9	.862	3	8	R840-0690-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	0.050	DIN 6537 K
7.00	.276	22.2	.874	3	8	R840-0700-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	34	1.339	1.2	.047	140°	0.069	DIN 6537 K
7.10	.280	22.5	.886	3	8	R840-0710-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.068	DIN 6537 K
7.20	.283	22.8	.898	3	8	R840-0720-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.050	DIN 6537 K
7.30	.287	23.1	.909	3	8	R840-0730-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.8	3.063	41	1.614	1.2	.047	140°	0.050	DIN 6537 K
7.40	.291	23.5	.925	3	8	R840-0740-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	0.063	DIN 6537 K
7.50	.295	23.8	.937	3	8	R840-0750-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	0.063	DIN 6537 K
7.80	.307	24.7	.972	3	8	R840-0780-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.7	3.059	41	1.614	1.3	.051	140°	0.040	DIN 6537 K
7.90	.311	25.1	.988	3	8	R840-0790-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	0.077	DIN 6537 K
8.00	.315	25.4	1.000	3	8	R840-0800-30-W0A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	77.6	3.055	41	1.614	1.4	.055	140°	0.076	DIN 6537 K
8.10	.319	25.7	1.012	3	10	R840-0810-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.067	DIN 6537 K
8.20	.323	26.0	1.024	3	10	R840-0820-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.6	3.449	47	1.850	1.4	.055	140°	0.066	DIN 6537 K
8.50	.335	27.0	1.063	3	10	R840-0850-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.073	DIN 6537 K
8.60	.339	27.3	1.075	3	10	R840-0860-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.072	DIN 6537 K
8.70	.343	27.6	1.087	3	10	R840-0870-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.072	DIN 6537 K
8.80	.346	27.9	1.098	3	10	R840-0880-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.070	DIN 6537 K
8.90	.350	28.2	1.110	3	10	R840-0890-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.070	DIN 6537 K
9.00	.354	28.5	1.122	3	10	R840-0900-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.5	3.445	47	1.850	1.5	.059	140°	0.089	DIN 6537 K

 O5

 Q5

 K252

 Q1

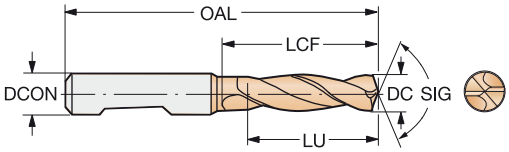
 Q35

CoroDrill® Delta-C solid-carbide drill

Whistle Notch shank



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
9.20	.362	29.2	1.150	3	10	R840-0920-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.075	DIN 6537 K
9.30	.366	29.5	1.161	3	10	R840-0930-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.075	DIN 6537 K
9.40	.370	29.8	1.173	3	10	R840-0940-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.075	DIN 6537 K
9.50	.374	30.1	1.185	3	10	R840-0950-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.4	3.441	47	1.850	1.6	.063	140°	0.076	DIN 6537 K
10.00	.394	31.7	1.248	3	10	R840-1000-30-W0A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.3	3.437	47	1.850	1.7	.067	140°	0.070	DIN 6537 K
10.10	.398	32.0	1.260	3	12	R840-1010-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.120	DIN 6537 K
10.20	.402	32.3	1.272	3	12	R840-1020-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.3	3.949	55	2.165	1.7	.067	140°	0.150	DIN 6537 K
10.30	.406	32.7	1.287	3	12	R840-1030-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.120	DIN 6537 K
10.40	.409	33.0	1.299	3	12	R840-1040-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.150	DIN 6537 K
10.50	.413	33.3	1.311	3	12	R840-1050-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.150	DIN 6537 K
10.60	.417	33.6	1.323	3	12	R840-1060-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.156	DIN 6537 K
10.70	.421	33.9	1.335	3	12	R840-1070-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.2	3.945	55	2.165	1.8	.071	140°	0.120	DIN 6537 K
10.80	.425	34.3	1.350	3	12	R840-1080-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	0.160	DIN 6537 K
11.00	.433	34.9	1.374	3	12	R840-1100-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	0.119	DIN 6537 K
11.20	.441	35.5	1.398	3	12	R840-1120-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.1	3.941	55	2.165	1.9	.075	140°	0.151	DIN 6537 K
11.50	.453	36.5	1.437	3	12	R840-1150-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	0.154	DIN 6537 K
11.80	.465	37.4	1.472	3	12	R840-1180-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.0	3.937	55	2.165	2.0	.079	140°	0.150	DIN 6537 K
12.00	.472	38.1	1.500	3	12	R840-1200-30-W0A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	99.9	3.933	55	2.165	2.1	.083	140°	0.150	DIN 6537 K
12.10	.476	38.4	1.512	3	14	R840-1210-30-W0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.090	DIN 6537 K
12.20	.480	38.7	1.524	3	14	R840-1220-30-W0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.149	DIN 6537 K
12.30	.484	39.0	1.535	3	14	R840-1230-30-W0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.180	DIN 6537 K
12.50	.492	39.6	1.559	3	14	R840-1250-30-W0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.9	4.130	60	2.362	2.1	.083	140°	0.182	DIN 6537 K
13.00	.512	41.2	1.622	3	14	R840-1300-30-W0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.8	4.126	60	2.362	2.2	.087	140°	0.180	DIN 6537 K
13.50	.531	42.8	1.685	3	14	R840-1350-30-W0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.7	4.122	60	2.362	2.3	.091	140°	0.187	DIN 6537 K
13.75	.541	43.5	1.713	3	14	R840-1375-30-W0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	0.193	DIN 6537 K
14.00	.551	44.4	1.748	3	14	R840-1400-30-W0A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	104.6	4.118	60	2.362	2.4	.094	140°	0.189	DIN 6537 K
14.25	.561	45.2	1.780	3	16	R840-1425-30-W0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	0.241	DIN 6537 K
14.50	.571	46.0	1.811	3	16	R840-1450-30-W0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	0.242	DIN 6537 K
14.75	.581	46.8	1.843	3	16	R840-1475-30-W0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.5	4.429	65	2.559	2.5	.098	140°	0.265	DIN 6537 K
15.00	.591	47.6	1.874	3	16	R840-1500-30-W0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.4	4.425	65	2.559	2.6	.102	140°	0.240	DIN 6537 K
15.50	.610	49.2	1.937	3	16	R840-1550-30-W0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	0.266	DIN 6537 K
15.80	.622	49.2	1.937	3	16	R840-1580-30-W0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.3	4.421	65	2.559	2.7	.106	140°	0.265	DIN 6537 K
16.00	.630	49.0	1.929	3	16	R840-1600-30-W0A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.2	4.417	65	2.559	2.8	.110	140°	0.294	DIN 6537 K
16.50	.650	52.3	2.059	3	18	R840-1650-30-W0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.2	4.732	73	2.874	2.8	.110	140°	0.293	DIN 6537 K
17.00	.669	53.9	2.122	3	18	R840-1700-30-W0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.1	4.728	73	2.874	2.9	.114	140°	0.400	DIN 6537 K
17.50	.689	55.5	2.185	3	18	R840-1750-30-W0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.0	4.724	73	2.874	3.0	.118	140°	0.400	DIN 6537 K
18.00	.709	57.1	2.248	3	18	R840-1800-30-W0A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	119.9	4.720	73	2.874	3.1	.122	140°	0.400	DIN 6537 K
20.00	.787	63.0	2.480	3	20	R840-2000-30-W0A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	127.6	5.024	79	3.110	3.4	.134	140°	0.440	DIN 6537 K

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Tailor Made Q5

GC K252

ISO 13399 Q1

CNSC CXSC Q35

SANDVIK Coromant

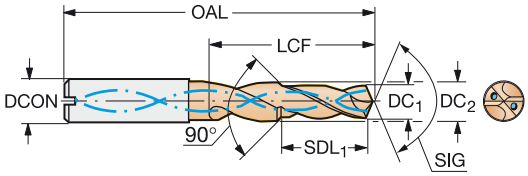
CoroDrill® Delta-C solid carbide step and chamfer drill

HA shank

Internal coolant supply



CNSC 1



DC1	DC1"	DC2	DC2"	SDL	SDL"	STA	LU	LU"	CZCM S	Ordering code	P 1220	M 1220	K 1220	N 1220	S 1220	H 1220	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	CP Bar	Kg	BSG
3.35	.132	4.50	.177	10.10	.397	90°	11.3	.445	6	R841-0335-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	62	2.441	61.4	2.417	19	.748	0.6	.024	140°	20	0.027	COROMANT
3.40	.134	4.60	.181	10.20	.401	90°	11.4	.449	6	R841-0340-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	19	.748	0.6	.024	140°	20	0.027	COROMANT
3.70	.146	5.00	.197	11.20	.440	90°	12.4	.488	6	R841-0370-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.4	2.575	19	.748	0.6	.024	140°	20	0.028	COROMANT
4.25	.167	5.70	.224	12.80	.503	90°	14.2	.559	6	R841-0425-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	23	.906	0.7	.028	140°	20	0.030	COROMANT
4.30	.169	5.80	.228	13.00	.511	90°	14.4	.567	6	R841-0430-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.3	2.571	23	.906	0.7	.028	140°	20	0.030	COROMANT
4.65	.183	5.90	.232	14.00	.551	90°	15.4	.606	6	R841-0465-30-A1A	☆	☆	☆	☆	☆	☆	6.00	.236	66	2.598	65.2	2.567	23	.906	0.8	.031	140°	20	0.030	COROMANT
5.00	.197	6.80	.268	15.00	.590	90°	16.7	.657	8	R841-0500-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.2	3.079	28	1.102	0.8	.031	140°	20	0.078	COROMANT
5.10	.201	6.90	.272	15.30	.602	90°	17.1	.673	8	R841-0510-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	28	1.102	0.9	.035	140°	20	0.078	COROMANT
5.30	.209	7.20	.283	16.00	.629	90°	17.8	.701	8	R841-0530-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	28	1.102	0.9	.035	140°	20	0.548	COROMANT
5.50	.217	7.40	.291	16.60	.653	90°	18.4	.724	8	R841-0550-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	28	1.102	0.9	.035	140°	20	0.079	COROMANT
5.55	.219	7.50	.295	16.70	.657	90°	18.6	.732	8	R841-0555-30-A1A	☆	☆	☆	☆	☆	☆	8.00	.315	79	3.110	78.1	3.075	28	1.102	0.9	.035	140°	20	0.079	COROMANT
6.60	.260	8.90	.350	19.90	.783	90°	22.1	.870	10	R841-0660-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.9	3.461	37	1.457	1.1	.043	140°	20	0.079	COROMANT
6.75	.266	9.10	.358	20.30	.799	90°	22.7	.894	10	R841-0675-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	37	1.457	1.2	.047	140°	20	0.079	COROMANT
6.85	.270	9.20	.362	20.60	.811	90°	23.0	.906	10	R841-0685-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	37	1.457	1.2	.047	140°	20	0.078	COROMANT
6.90	.272	9.30	.366	20.70	.814	90°	23.1	.909	10	R841-0690-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	37	1.457	1.2	.047	140°	20	0.078	COROMANT
7.00	.276	9.50	.374	21.10	.830	90°	23.5	.925	10	R841-0700-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	37	1.457	1.2	.047	140°	20	0.078	COROMANT
7.25	.285	9.80	.386	21.80	.858	90°	24.3	.957	10	R841-0725-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	37	1.457	1.2	.047	140°	20	0.078	COROMANT
7.30	.287	9.80	.386	22.00	.866	90°	24.4	.961	10	R841-0730-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.8	3.457	37	1.457	1.2	.047	140°	20	0.078	COROMANT
7.40	.291	9.80	.386	22.20	.874	90°	24.7	.972	10	R841-0740-30-A1A	☆	☆	☆	☆	☆	☆	10.00	.394	89	3.504	87.7	3.453	37	1.457	1.3	.051	140°	20	0.078	COROMANT
8.00	.315	10.80	.425	24.00	.944	90°	26.8	1.055	12	R841-0800-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.6	3.961	42	1.654	1.4	.055	140°	20	0.160	COROMANT
8.50	.335	11.50	.453	25.50	1.003	90°	28.5	1.122	12	R841-0850-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	42	1.654	1.5	.059	140°	20	0.160	COROMANT
8.60	.339	11.60	.457	25.80	1.015	90°	28.8	1.134	12	R841-0860-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	42	1.654	1.5	.059	140°	20	0.160	COROMANT
8.70	.343	11.70	.461	26.10	1.027	90°	29.1	1.146	12	R841-0870-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	42	1.654	1.5	.059	140°	20	0.160	COROMANT
9.00	.354	11.80	.465	27.00	1.062	90°	29.9	1.177	12	R841-0900-30-A1A	☆	☆	☆	☆	☆	☆	12.00	.472	102	4.016	100.5	3.957	42	1.654	1.5	.059	140°	20	0.160	COROMANT
9.25	.364	12.50	.492	27.80	1.094	90°	31.0	1.220	14	R841-0925-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.4	4.150	52	2.047	1.6	.063	140°	20	0.160	COROMANT
9.30	.366	12.60	.496	28.00	1.102	90°	31.2	1.228	14	R841-0930-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.4	4.150	52	2.047	1.6	.063	140°	20	0.090	COROMANT
10.25	.404	13.80	.543	30.80	1.212	90°	34.4	1.354	14	R841-1025-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	52	2.047	1.8	.071	140°	20	0.090	COROMANT
10.30	.406	13.80	.543	31.00	1.220	90°	34.5	1.358	14	R841-1030-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	52	2.047	1.8	.071	140°	20	0.200	COROMANT
10.40	.409	13.80	.543	31.20	1.228	90°	34.7	1.366	14	R841-1040-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	52	2.047	1.8	.071	140°	20	0.200	COROMANT
10.50	.413	13.80	.543	31.60	1.244	90°	35.0	1.378	14	R841-1050-30-A1A	☆	☆	☆	☆	☆	☆	14.00	.551	107	4.213	105.2	4.142	52	2.047	1.8	.071	140°	20	4.000	COROMANT
10.80	.425	14.60	.575	32.40	1.275	90°	36.2	1.425	16	R841-1080-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	113.1	4.453	59	2.323	1.9	.075	140°	20	0.246	COROMANT
11.00	.433	14.90	.587	33.10	1.303	90°	36.9	1.453	16	R841-1100-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	113.1	4.453	59	2.323	1.9	.075	140°	20	4.000	COROMANT
11.20	.441	15.10	.594	33.70	1.326	90°	37.5	1.476	16	R841-1120-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	113.1	4.453	59	2.323	1.9	.075	140°	20	0.120	COROMANT
11.50	.453	15.50	.610	34.50	1.358	90°	38.5	1.516	16	R841-1150-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	113.0	4.449	59	2.323	2.0	.079	140°	20	0.120	COROMANT
12.00	.472	15.80	.622	36.00	1.417	90°	40.0	1.575	16	R841-1200-30-A1A	☆	☆	☆	☆	☆	☆	16.00	.630	115	4.528	112.9	4.445	59	2.323	2.1	.083	140°	20	0.269	COROMANT
12.10	.476	16.30	.642	36.30	1.429	90°	40.5	1.594	18	R841-1210-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.9	4.760	67	2.638	2.1	.083	140°	20	0.086	COROMANT
12.25	.482	16.50	.650	36.80	1.448	90°	41.0	1.614	18	R841-1225-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.9	4.760	67	2.638	2.1	.083	140°	20	0.088	COROMANT
12.50	.492	16.90	.665	37.50	1.476	90°	41.8	1.646	18	R841-1250-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.9	4.760	67	2.638	2.1	.083	140°	20	0.400	COROMANT
13.10	.516	17.70	.697	39.30	1.547	90°	43.9	1.728	18	R841-1310-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.7	4.752	67	2.638	2.3	.091	140°	20	0.400	COROMANT
13.50	.531	17.80	.701	40.60	1.598	90°	45.0	1.772	18	R841-1350-30-A1A	☆	☆	☆	☆	☆	☆	18.00	.709	123	4.843	120.7	4.752	67	2.638	2.3	.091	140°	20	0.400	COROMANT
14.00	.551	18.90	.744	42.10	1.657	90°	46.9	1.846	20	R841-1400-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.6	5.063	78	3.071	2.4	.094	140°	20	0.400	COROMANT
14.10	.555	19.00	.748	42.40	1.669	90°	47.2	1.858	20	R841-1410-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.6	5.063	78	3.071	2.4	.094	140°	20	0.400	COROMANT
14.25	.561	19.20	.756	42.80	1.685	90°	47.8	1.882	20	R841-1425-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.5	5.059	78	3.071	2.5	.098	140°	20	0.400	COROMANT
14.50	.571	19.60	.772	43.60	1.716	90°	48.6	1.913	20	R841-1450-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.5	5.059	78	3.071	2.5	.098	140°	20	0.400	COROMANT
15.00	.591	19.80	.780	45.00	1.771	90°	50.0	1.969	20	R841-1500-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.4	5.055	78	3.071	2.6	.102	140°	20	0.415	COROMANT
15.10	.594	19.80	.780	45.40	1.787	90°	50.3	1.980	20	R841-1510-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.4	5.055	78	3.071	2.6	.102	140°	20	0.415	COROMANT
15.50	.610	19.80	.780	46.60	1.834	90°	51.4	2.024	20	R841-1550-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.3	5.051	78	3.071	2.7	.106	140°	20	0.415	COROMANT
16.50	.650	19.80	.780	47.60	1.874	90°	52.0	2.047	20	R841-1650-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.2	5.047	78	3.071	2.8	.110	140°	20	0.415	COROMANT
17.50	.689	19.80	.780	48.60	1.913	90°	52.7	2.075	20	R841-1750-30-A1A	☆	☆	☆	☆	☆	☆	20.00	.787	131	5.157	128.0	5.039	78	3.071	3.0	.118	140°	20	0.440	COROMANT

 O5

 Q5

 K252

 Q1

 Q35

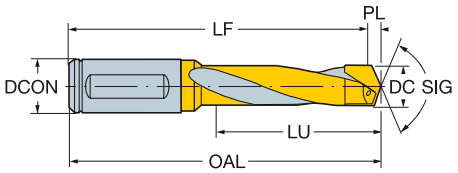
Coromant Delta brazed-carbide tipped drill

Cylindrical shank with flat according to ISO 9766

Internal coolant supply



TCHA H9
CNSC 1



Metric design

DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P	M	K	N	H	Dimensions, mm, inch									CP Bar	Kg	BSG
							P20	K20	K20	K20	K20	DCON	DCON"	OAL	OAL"	LF	LF"	PL	PL"	SIG			
9.75	.384	36.7	1.445	3	16	R411.5-10034D9.75		☆	☆	☆	☆	16.00	.630	98	3.858	96.2	3.788	1.8	.070	140°	15	0.100	ISO9766
10.00	.394	36.8	1.449	3	16	R411.5-10034D10.00	☆	☆	☆	☆	☆	16.00	.630	98	3.858	96.2	3.787	1.8	.072	140°	15	0.100	ISO9766
10.00	.394	51.8	2.039	5	16	R411.5-10054D10.00		☆	☆	☆	☆	16.00	.630	113	4.449	111.2	4.377	1.8	.072	140°	15	0.100	ISO9766
10.20	.402	54.8	2.157	5	16	R411.5-10554D10.20	☆					16.00	.630	116	4.567	114.1	4.494	1.9	.073	140°	15	0.100	COROMANT
10.25	.404	38.8	1.528	3	16	R411.5-10534D10.25	☆	☆	☆	☆	☆	16.00	.630	100	3.937	98.1	3.864	1.9	.073	140°	15	0.100	ISO9766
10.50	.413	38.9	1.532	3	16	R411.5-10534D10.50	☆	☆	☆	☆	☆	16.00	.630	100	3.937	98.1	3.862	1.9	.075	140°	15	0.100	ISO9766
10.50	.413	54.9	2.161	5	16	R411.5-10554D10.50	☆					16.00	.630	116	4.567	114.1	4.492	1.9	.075	140°	15	0.300	ISO9766
10.75	.423	40.9	1.610	3	16	R411.5-11034D10.75	☆					16.00	.630	103	4.055	101.0	3.978	2.0	.077	140°	15	0.100	ISO9766
11.00	.433	41.0	1.614	3	16	R411.5-11034D11.00	☆					16.00	.630	103	4.055	101.0	3.976	2.0	.079	140°	15	0.100	ISO9766
11.00	.433	57.0	2.244	5	16	R411.5-11054D11.00	☆					16.00	.630	120	4.724	118.0	4.646	2.0	.079	140°	15	0.100	ISO9766
11.25	.443	42.1	1.657	3	16	R411.5-11534D11.25	☆					16.00	.630	105	4.134	103.0	4.053	2.0	.081	140°	15	0.100	ISO9766
11.50	.453	42.1	1.657	3	16	R411.5-11534D11.50	☆					16.00	.630	105	4.134	102.9	4.051	2.1	.082	140°	15	0.100	ISO9766
11.50	.453	60.1	2.366	5	16	R411.5-11554D11.50	☆					16.00	.630	122	4.803	119.9	4.721	2.1	.082	140°	15	0.100	ISO9766
11.75	.463	44.2	1.740	3	16	R411.5-12034D11.75	☆	☆	☆	☆	☆	16.00	.630	108	4.252	105.9	4.168	2.1	.084	140°	15	0.100	ISO9766
12.00	.472	44.2	1.740	3	16	R411.5-12034D12.00	☆	☆	☆	☆	☆	16.00	.630	108	4.252	105.8	4.166	2.2	.086	140°	15	0.100	ISO9766
12.00	.472	62.2	2.449	5	16	R411.5-12054D12.00	☆	☆	☆	☆	☆	16.00	.630	126	4.961	123.8	4.875	2.2	.086	140°	15	0.100	ISO9766
12.25	.482	65.3	2.571	5	16	R411.5-12554D12.25	☆					16.00	.630	133	5.236	130.8	5.148	2.2	.088	140°	15	0.100	COROMANT
12.50	.492	46.3	1.823	3	16	R411.5-12534D12.50	☆	☆	☆	☆	☆	16.00	.630	113	4.449	110.7	4.359	2.3	.090	140°	15	0.100	ISO9766
12.50	.492	65.3	2.571	5	16	R411.5-12554D12.50	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.7	5.147	2.3	.090	140°	15	0.100	ISO9766
12.75	.502	48.3	1.902	3	16	R411.5-13034D12.75	☆					16.00	.630	113	4.449	110.7	4.357	2.3	.091	140°	15	0.100	ISO9766
13.00	.512	48.3	1.902	3	16	R411.5-13034D13.00	☆	☆	☆	☆	☆	16.00	.630	113	4.449	110.6	4.356	2.4	.093	140°	15	0.100	ISO9766
13.00	.512	67.3	2.650	5	16	R411.5-13054D13.00	☆	☆	☆	☆	☆	16.00	.630	133	5.236	130.6	5.143	2.4	.093	140°	15	0.100	ISO9766
13.25	.522	49.4	1.945	3	16	R411.5-13534D13.25	☆					16.00	.630	118	4.646	115.6	4.551	2.4	.095	140°	15	0.100	ISO9766
13.50	.531	49.4	1.945	3	16	R411.5-13534D13.50	☆	☆	☆	☆	☆	16.00	.630	118	4.646	115.5	4.549	2.5	.097	140°	15	0.100	ISO9766
13.50	.531	70.4	2.772	5	16	R411.5-13554D13.50	☆					16.00	.630	139	5.472	136.5	5.376	2.5	.097	140°	15	0.100	ISO9766
13.75	.541	51.5	2.028	3	16	R411.5-14034D13.75	☆					16.00	.630	118	4.646	115.5	4.547	2.5	.099	140°	15	0.100	ISO9766
14.00	.551	51.6	2.032	3	16	R411.5-14034D14.00	☆	☆	☆	☆	☆	16.00	.630	118	4.646	115.5	4.545	2.5	.100	140°	15	0.100	ISO9766
14.00	.551	72.6	2.858	5	16	R411.5-14054D14.00	☆	☆	☆	☆	☆	16.00	.630	139	5.472	136.5	5.372	2.5	.100	140°	15	0.100	ISO9766
14.25	.561	53.6	2.110	3	20	R411.5-14534D14.25	☆	☆	☆	☆	☆	20.00	.787	123	4.843	120.4	4.740	2.6	.102	140°	15	0.200	ISO9766
14.50	.571	53.7	2.114	3	20	R411.5-14534D14.50	☆	☆	☆	☆	☆	20.00	.787	123	4.843	120.4	4.739	2.6	.104	140°	15	0.200	ISO9766
14.50	.571	75.7	2.980	5	20	R411.5-14554D14.50	☆	☆	☆	☆	☆	20.00	.787	146	5.748	143.4	5.644	2.6	.104	140°	15	0.200	ISO9766
15.00	.591	55.8	2.197	3	20	R411.5-15034D15.00	☆	☆	☆	☆	☆	20.00	.787	123	4.843	120.3	4.735	2.7	.107	140°	15	0.200	ISO9766
15.00	.591	77.8	3.063	5	20	R411.5-15054D15.00	☆	☆	☆	☆	☆	20.00	.787	146	5.748	143.3	5.641	2.7	.107	140°	15	0.200	ISO9766
15.10	.594	80.8	3.181	5	20	R411.5-15554D15.10		☆	☆	☆	☆	20.00	.787	152	5.984	149.3	5.876	2.7	.108	140°	15	0.200	COROMANT
15.25	.600	56.8	2.236	3	20	R411.5-15534D15.25	☆	☆	☆	☆	☆	20.00	.787	128	5.039	125.2	4.930	2.8	.109	140°	15	0.200	ISO9766
15.25	.600	80.8	3.181	5	20	R411.5-15554D15.25	☆					20.00	.787	152	5.984	149.3	5.876	2.8	.109	140°	15	0.200	ISO9766
15.50	.610	56.8	2.236	3	20	R411.5-15534D15.50	☆					20.00	.787	128	5.039	125.2	4.928	2.8	.111	140°	15	0.200	ISO9766
15.50	.610	80.8	3.181	5	20	R411.5-15554D15.50	☆	☆	☆	☆	☆	20.00	.787	152	5.984	149.2	5.873	2.8	.111	140°	15	0.200	ISO9766
15.75	.620	58.8	2.315	3	20	R411.5-16034D15.75	☆	☆	☆	☆	☆	20.00	.787	128	5.039	125.1	4.927	2.9	.113	140°	15	0.200	ISO9766
16.00	.630	58.9	2.319	3	20	R411.5-16034D16.00	☆	☆	☆	☆	☆	20.00	.787	128	5.039	125.1	4.925	2.9	.115	140°	15	0.200	ISO9766
16.00	.630	82.9	3.264	5	20	R411.5-16054D16.00	☆	☆	☆	☆	☆	20.00	.787	152	5.984	149.1	5.870	2.9	.115	140°	15	0.200	ISO9766
16.25	.640	60.9	2.398	3	20	R411.5-16534D16.25	☆					20.00	.787	133	5.236	130.0	5.120	3.0	.116	140°	15	0.200	ISO9766
16.50	.650	61.0	2.402	3	20	R411.5-16534D16.50	☆	☆	☆	☆	☆	20.00	.787	133	5.236	130.0	5.118	3.0	.118	140°	15	0.200	ISO9766
16.50	.650	86.0	3.386	5	20	R411.5-16554D16.50	☆	☆	☆	☆	☆	20.00	.787	159	6.260	156.0	6.142	3.0	.118	140°	15	0.200	ISO9766
16.75	.659	63.1	2.484	3	20	R411.5-17034D16.75	☆	☆	☆	☆	☆	20.00	.787	133	5.236	130.0	5.116	3.0	.120	140°	15	0.200	ISO9766
17.00	.669	63.1	2.484	3	20	R411.5-17034D17.00	☆	☆	☆	☆	☆	20.00	.787	133	5.236	129.9	5.114	3.1	.122	140°	15	0.200	ISO9766
17.00	.669	88.1	3.469	5	20	R411.5-17054D17.00	☆	☆	☆	☆	☆	20.00	.787	159	6.260	155.9	6.138	3.1	.122	140°	15	0.200	ISO9766
17.50	.689	64.2	2.528	3	20	R411.5-17534D17.50	☆	☆	☆	☆	☆	20.00	.787	136	5.354	132.8	5.229	3.2	.125	140°	15	0.300	ISO9766
17.50	.689	88.2	3.472	5	20	R411.5-17554D17.50	☆	☆	☆	☆	☆	20.00	.787	163	6.417	159.8	6.292	3.2	.125	140°	15	0.200	ISO9766

O5 Q5 K250 K252 Q1 Q35

SANDVIK Coromant

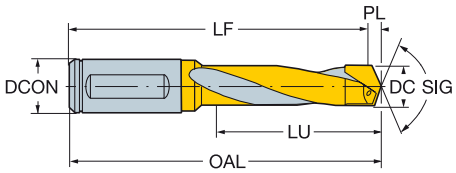
Coromant Delta brazed-carbide tipped drill

Cylindrical shank with flat according to ISO 9766

Internal coolant supply



TCHA H9
CNSC 1



Metric design

DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P	M	K	N	H	Dimensions, mm, inch									CP Bar	Kg	BSG
							P20	K20	K20	K20	K20	DCON	DCON"	OAL	OAL"	LF	LF"	PL	PL"	SIG			
17.75	.699	66.3	2.610	3	20	R411.5-18034D17.75	☆					20.00	.787	136	5.354	132.8	5.227	3.2	.127	140°	15	0.300	ISO9766
18.00	.709	66.3	2.610	3	20	R411.5-18034D18.00	☆	☆	☆	☆	☆	20.00	.787	136	5.354	132.7	5.225	3.3	.129	140°	15	0.216	ISO9766
18.00	.709	93.3	3.673	5	20	R411.5-18054D18.00	☆	☆	☆	☆	☆	20.00	.787	163	6.417	159.7	6.288	3.3	.129	140°	15	0.217	ISO9766
18.50	.728	68.3	2.689	3	20	R411.5-18534D18.50	☆	☆	☆	☆	☆	20.00	.787	139	5.472	135.6	5.340	3.4	.133	140°	15	0.300	ISO9766
18.50	.728	96.3	3.791	5	20	R411.5-18554D18.50	☆					20.00	.787	167	6.575	163.6	6.442	3.4	.133	140°	15	0.300	ISO9766
18.75	.738	70.4	2.772	3	25	R411.5-19034D18.75	☆					25.00	.984	149	5.866	145.6	5.732	3.4	.134	140°	15	0.300	ISO9766
19.00	.748	70.4	2.772	3	25	R411.5-19034D19.00	☆	☆	☆	☆	☆	25.00	.984	149	5.866	145.5	5.730	3.5	.136	140°	15	0.300	ISO9766
19.00	.748	98.4	3.874	5	25	R411.5-19054D19.00	☆					25.00	.984	178	7.008	174.5	6.872	3.5	.136	140°	15	0.300	ISO9766
19.25	.758	71.5	2.815	3	25	R411.5-19534D19.25	☆					25.00	.984	154	6.063	150.5	5.925	3.5	.138	140°	15	0.300	ISO9766
19.50	.768	71.6	2.819	3	25	R411.5-19534D19.50	☆					25.00	.984	154	6.063	150.5	5.923	3.5	.140	140°	15	0.300	ISO9766
19.50	.768	101.6	4.000	5	25	R411.5-19554D19.50	☆	☆	☆	☆	☆	25.00	.984	184	7.244	180.5	7.104	3.5	.140	140°	15	0.300	ISO9766
19.75	.778	73.6	2.898	3	25	R411.5-20034D19.75	☆	☆	☆	☆	☆	25.00	.984	154	6.063	150.4	5.922	3.6	.141	140°	15	0.300	ISO9766
20.00	.787	73.7	2.902	3	25	R411.5-20034D20.00	☆	☆	☆	☆	☆	25.00	.984	154	6.063	150.4	5.920	3.6	.143	140°	15	0.300	ISO9766
20.00	.787	103.7	4.083	5	25	R411.5-20054D20.00	☆	☆	☆	☆	☆	25.00	.984	184	7.244	180.4	7.101	3.6	.143	140°	15	0.300	ISO9766
20.50	.807	75.8	2.984	3	25	R411.5-20534D20.50	☆	☆	☆	☆	☆	25.00	.984	159	6.260	155.3	6.113	3.7	.147	140°	15	0.380	ISO9766
21.00	.827	77.8	3.063	3	25	R411.5-21034D21.00	☆	☆	☆	☆	☆	25.00	.984	159	6.260	155.2	6.109	3.8	.150	140°	15	0.380	ISO9766
21.50	.846	78.9	3.106	3	25	R411.5-21534D21.50	☆	☆	☆	☆	☆	25.00	.984	164	6.457	160.1	6.303	3.9	.154	140°	15	0.391	ISO9766
22.00	.866	81.0	3.189	3	25	R411.5-22034D22.00	☆	☆	☆	☆	☆	25.00	.984	164	6.457	160.0	6.299	4.0	.158	140°	15	0.392	ISO9766
22.50	.886	83.1	3.272	3	25	R411.5-22534D22.50	☆	☆	☆	☆	☆	25.00	.984	168	6.614	163.9	6.453	4.1	.161	140°	15	0.390	ISO9766
23.00	.906	85.2	3.354	3	25	R411.5-23034D23.00	☆	☆	☆	☆	☆	25.00	.984	168	6.614	163.8	6.449	4.2	.165	140°	15	0.383	ISO9766
23.50	.925	86.3	3.398	3	25	R411.5-23534D23.50	☆	☆	☆	☆	☆	25.00	.984	174	6.850	169.7	6.682	4.3	.168	140°	15	0.389	ISO9766
24.00	.945	88.3	3.476	3	25	R411.5-24034D24.00	☆	☆	☆	☆	☆	25.00	.984	174	6.850	169.6	6.678	4.4	.172	140°	15	0.384	ISO9766
24.50	.965	90.4	3.559	3	32	R411.5-24534D24.50	☆	☆	☆	☆	☆	32.00	1.260	183	7.205	178.5	7.029	4.5	.176	140°	15	0.386	ISO9766
25.00	.984	92.6	3.646	3	32	R411.5-25034D25.00	☆	☆	☆	☆	☆	32.00	1.260	183	7.205	178.5	7.026	4.5	.179	140°	15	0.397	ISO9766
25.50	1.004	93.7	3.689	3	32	R411.5-25534D25.50	☆					32.00	1.260	189	7.441	184.4	7.258	4.6	.183	140°	15	0.394	ISO9766
26.00	1.024	95.8	3.772	3	32	R411.5-26034D26.00	☆	☆	☆	☆	☆	32.00	1.260	189	7.441	184.3	7.255	4.7	.186	140°	15	0.395	ISO9766
26.50	1.043	97.8	3.850	3	32	R411.5-26534D26.50	☆	☆	☆	☆	☆	32.00	1.260	193	7.598	188.2	7.409	4.8	.190	140°	15	0.382	ISO9766
27.00	1.063	99.9	3.933	3	32	R411.5-27034D27.00	☆					32.00	1.260	193	7.598	188.1	7.405	4.9	.193	140°	15	0.381	ISO9766
28.00	1.102	103.1	4.059	3	32	R411.5-28034D28.00	☆					32.00	1.260	199	7.835	193.9	7.634	5.1	.201	140°	15	0.381	ISO9766
28.50	1.122	105.2	4.142	3	32	R411.5-28534D28.50	☆	☆	☆	☆	☆	32.00	1.260	204	8.032	198.8	7.827	5.2	.204	140°	15	0.381	ISO9766
30.00	1.181	110.4	4.346	3	32	R411.5-30034D30.00	☆					32.00	1.260	208	8.189	202.5	7.974	5.5	.215	140°	15	0.412	ISO9766

O5 Q5 K250 K252 Q1 Q35

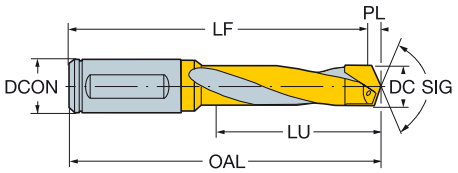
Coromant Delta brazed-carbide tipped drill

Cylindrical shank with flat according to ISO 9766

Internal coolant supply



TCHA H9
CNSC 1



Inch design

DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	P	M	K	N	H	Dimensions, mm, inch									CP Bar	Kg	BSG
							P20	K20	K20	K20	K20	DCON	DCON"	OAL	OAL"	LF	LF"	PL	PL"	SIG			
9.53	.375	36.8	1.449	3	5/8	RA411.5-2534D0.3750	☆	☆	☆	☆	☆	15.88	.625	98	3.860	96.2	3.789	1.7	.068	140°	15	0.200	ISO9766
9.53	.375	51.8	2.039	5	5/8	RA411.5-2554D0.3750	☆					15.88	.625	113	4.450	111.2	4.379	1.7	.068	140°	15	0.620	ISO9766
10.32	.406	38.9	1.532	3	5/8	RA411.5-2634D0.4062	☆					15.88	.625	100	3.940	98.2	3.866	1.9	.074	140°	15	0.106	ISO9766
10.32	.406	54.9	2.161	5	5/8	RA411.5-2654D0.4062	☆					15.88	.625	116	4.570	114.1	4.493	1.9	.074	140°	15	0.200	ISO9766
10.72	.422	41.0	1.614	3	5/8	RA411.5-2734D0.4219	☆	☆	☆	☆	☆	15.88	.625	103	4.060	101.2	3.983	2.0	.077	140°	15	0.200	ISO9766
10.72	.422	57.1	2.248	5	5/8	RA411.5-2754D0.4219	☆	☆	☆	☆	☆	15.88	.625	119	4.720	117.9	4.640	2.0	.077	140°	15	0.200	ISO9766
11.11	.438	41.9	1.650	3	5/8	RA411.5-2834D0.4375	☆	☆	☆	☆	☆	15.88	.625	104	4.130	102.9	4.050	2.0	.080	140°	15	0.200	ISO9766
11.11	.438	59.9	2.358	5	5/8	RA411.5-2854D0.4375	☆	☆	☆	☆	☆	15.88	.625	121	4.800	119.8	4.718	2.0	.080	140°	15	0.200	ISO9766
11.51	.453	44.0	1.732	3	5/8	RA411.5-3034D0.4531		☆	☆	☆	☆	15.88	.625	107	4.250	105.8	4.165	2.1	.082	140°	15	0.200	ISO9766
11.51	.453	62.0	2.441	5	5/8	RA411.5-3054D0.4531	☆					15.88	.625	125	4.960	123.8	4.875	2.1	.082	140°	15	0.200	ISO9766
11.91	.469	44.0	1.732	3	5/8	RA411.5-3034D0.4688	☆					15.88	.625	107	4.250	105.8	4.165	2.2	.085	140°	15	0.200	ISO9766
11.91	.469	62.2	2.449	5	5/8	RA411.5-3054D0.4688	☆					15.88	.625	125	4.960	123.7	4.872	2.2	.085	140°	15	0.200	ISO9766
12.30	.484	46.2	1.819	3	5/8	RA411.5-3134D0.4844	☆					15.88	.625	113	4.450	110.8	4.362	2.2	.088	140°	15	0.200	ISO9766
12.30	.484	65.2	2.567	5	5/8	RA411.5-3154D0.4844	☆					15.88	.625	133	5.240	130.8	5.149	2.2	.088	140°	15	0.200	ISO9766
12.70	.500	48.3	1.902	3	5/8	RA411.5-3234D0.5000	☆					15.88	.625	113	4.450	110.7	4.359	2.3	.091	140°	15	0.200	ISO9766
12.70	.500	67.3	2.650	5	5/8	RA411.5-3254D0.5000	☆					15.88	.625	133	5.240	130.7	5.146	2.3	.091	140°	15	0.200	ISO9766
13.49	.531	49.4	1.945	3	5/8	RA411.5-3434D0.5312	☆	☆	☆	☆	☆	15.88	.625	118	4.650	115.7	4.553	2.5	.097	140°	15	0.200	ISO9766
13.49	.531	70.6	2.780	5	5/8	RA411.5-3454D0.5312	☆	☆	☆	☆	☆	15.88	.625	134	5.310	132.3	5.210	2.5	.097	140°	15	0.200	ISO9766
13.89	.547	51.6	2.032	3	5/8	RA411.5-3534D0.5469	☆					15.88	.625	118	4.650	115.6	4.550	2.5	.100	140°	15	0.200	ISO9766
13.89	.547	72.6	2.858	5	5/8	RA411.5-3554D0.5469	☆					15.88	.625	138	5.470	136.3	5.368	2.5	.100	140°	15	0.200	ISO9766
14.29	.563	53.7	2.114	3	3/4	RA411.5-3634D0.5625	☆					19.05	.750	122	4.840	120.3	4.738	2.6	.102	140°	15	0.404	ISO9766
14.29	.563	75.5	2.972	5	3/4	RA411.5-3654D0.5625	☆	☆	☆	☆	☆	19.05	.750	146	5.750	143.4	5.645	2.6	.102	140°	15	0.402	ISO9766
15.88	.625	58.8	2.315	3	3/4	RA411.5-4034D0.6250	☆					19.05	.750	128	5.040	125.1	4.926	2.9	.114	140°	15	0.403	ISO9766
15.88	.625	82.9	3.264	5	3/4	RA411.5-4054D0.6250	☆					19.05	.750	151	5.980	148.9	5.863	2.9	.114	140°	15	0.403	ISO9766
16.27	.641	60.8	2.394	3	3/4	RA411.5-4134D0.6406	☆					19.05	.750	133	5.240	130.1	5.123	3.0	.117	140°	15	0.403	ISO9766
16.67	.656	63.0	2.480	3	3/4	RA411.5-4234D0.6562	☆	☆	☆	☆	☆	19.05	.750	133	5.240	130.1	5.121	3.0	.119	140°	15	0.401	ISO9766
16.67	.656	88.1	3.469	5	3/4	RA411.5-4254D0.6562	☆	☆	☆	☆	☆	19.05	.750	159	6.260	155.9	6.138	3.0	.119	140°	15	0.402	ISO9766
17.07	.672	64.0	2.520	3	3/4	RA411.5-4434D0.6719	☆					19.05	.750	135	5.350	132.7	5.225	3.1	.122	140°	15	0.769	ISO9766
17.46	.687	64.1	2.524	3	3/4	RA411.5-4434D0.6875	☆	☆	☆	☆	☆	19.05	.750	135	5.350	132.7	5.225	3.2	.125	140°	15	0.769	ISO9766
17.46	.687	91.0	3.583	5	3/4	RA411.5-4454D0.6875	☆	☆	☆	☆	☆	19.05	.750	159	6.260	155.8	6.132	3.2	.125	140°	15	0.766	ISO9766
17.86	.703	93.2	3.669	5	3/4	RA411.5-4554D0.7031		☆	☆	☆	☆	19.05	.750	163	6.420	159.7	6.289	3.3	.128	140°	15	0.767	ISO9766
18.26	.719	68.4	2.693	3	3/4	RA411.5-4634D0.7188	☆					19.05	.750	138	5.470	135.6	5.339	3.3	.131	140°	15	0.768	ISO9766
18.26	.719	96.3	3.791	5	3/4	RA411.5-4654D0.7188		☆	☆	☆	☆	19.05	.750	166	6.570	163.5	6.436	3.3	.131	140°	15	0.768	ISO9766
18.65	.734	98.4	3.874	5	1	RA411.5-4754D0.7344	☆					25.40	1.000	178	7.010	174.6	6.874	3.4	.134	140°	15	0.758	ISO9766
19.05	.750	71.6	2.819	3	1	RA411.5-4934D0.7500	☆					25.40	1.000	153	6.060	150.4	5.921	3.5	.136	140°	15	0.758	ISO9766
19.05	.750	101.6	4.000	5	1	RA411.5-4954D0.7500	☆	☆	☆	☆	☆	25.40	1.000	183	7.240	180.4	7.101	3.5	.136	140°	15	0.759	ISO9766
19.45	.766	71.7	2.823	3	1	RA411.5-4934D0.7656	☆					25.40	1.000	153	6.060	150.4	5.921	3.5	.139	140°	15	0.759	ISO9766
19.84	.781	73.7	2.902	3	1	RA411.5-5034D0.7812	☆					25.40	1.000	153	6.060	150.3	5.918	3.6	.142	140°	15	0.757	ISO9766
20.64	.813	77.7	3.059	3	1	RA411.5-5234D0.8125	☆	☆	☆	☆	☆	25.40	1.000	159	6.260	155.2	6.109	3.8	.148	140°	15	0.906	ISO9766
21.43	.844	78.9	3.106	3	1	RA411.5-5434D0.8437	☆					25.40	1.000	164	6.460	160.0	6.301	3.9	.154	140°	15	0.910	ISO9766
22.23	.875	83.1	3.272	3	1	RA411.5-5634D0.8750	☆	☆	☆	☆	☆	25.40	1.000	167	6.610	163.8	6.448	4.0	.159	140°	15	0.910	ISO9766
22.62	.891	85.1	3.350	3	1	RA411.5-5734D0.8906	☆					25.40	1.000	167	6.610	163.7	6.445	4.1	.162	140°	15	0.912	ISO9766
23.81	.938	88.4	3.480	3	1	RA411.5-6034D0.9375	☆					25.40	1.000	173	6.850	169.6	6.677	4.3	.171	140°	15	0.909	ISO9766
25.00	.984	93.5	3.681	3	1 1/4	RA411.5-6434D0.9844	☆					31.75	1.250	188	7.440	184.4	7.258	4.6	.179	140°	15	0.910	ISO9766
25.40	1.000	93.5	3.681	3	1 1/4	RA411.5-6434D1.0000	☆					31.75	1.250	188	7.440	184.3	7.255	4.6	.182	140°	15	0.910	ISO9766

O5 Q5 K250 K252 Q1 Q35

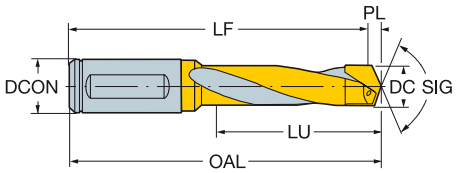
Coromant Delta brazed-carbide tipped drill

Cylindrical shank with flat according to ISO 9766

Internal coolant supply



TCHA H9
CNSC 1



Selectable diameter

DCN	DCX	LU	LU"	CZC$_{MS}$	Ordering code	P	M	K	N	H	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	PL	PL"	SIG	CP Bar	Kg	BSG
						P20	K20	K20	K20	K20												
9.5	10.0	36.8	1.449	16	R411.5-10034D	☆	☆	☆	☆	☆	16.00	.630	98	3.858	96.2	3.787	1.8	.072	140°	15	0.100	ISO9766
9.5	10.0	51.8	2.039	16	R411.5-10054D	☆					16.00	.630	113	4.449	111.2	4.377	1.8	.072	140°	15	0.100	ISO9766
10.0	10.5	38.9	1.532	16	R411.5-10534D	☆					16.00	.630	100	3.937	98.1	3.862	1.9	.075	140°	15	0.100	ISO9766
10.0	10.5	54.9	2.161	16	R411.5-10554D	☆					16.00	.630	116	4.567	114.1	4.492	1.9	.075	140°	15	0.100	ISO9766
11.0	11.5	42.1	1.657	16	R411.5-11534D	☆					16.00	.630	105	4.134	102.9	4.051	2.1	.082	140°	15	0.100	ISO9766
11.5	12.0	44.2	1.740	16	R411.5-12034D	☆					16.00	.630	108	4.252	105.8	4.166	2.2	.086	140°	15	0.100	ISO9766
13.0	13.5	70.4	2.772	16	R411.5-13554D	☆					16.00	.630	139	5.472	136.5	5.376	2.5	.097	140°	15	0.100	ISO9766
14.0	14.5	53.7	2.114	20	R411.5-14534D	☆					20.00	.787	123	4.843	120.4	4.739	2.6	.104	140°	15	0.200	ISO9766
14.0	14.5	75.7	2.980	20	R411.5-14554D	☆					20.00	.787	146	5.748	143.4	5.644	2.6	.104	140°	15	0.200	ISO9766
15.0	15.5	56.8	2.236	20	R411.5-15534D	☆					20.00	.787	128	5.039	125.2	4.928	2.8	.111	140°	15	0.200	ISO9766
15.5	16.0	58.9	2.319	20	R411.5-16034D	☆	☆	☆	☆	☆	20.00	.787	128	5.039	125.1	4.925	2.9	.115	140°	15	0.200	ISO9766
16.0	16.5	61.0	2.402	20	R411.5-16534D	☆					20.00	.787	133	5.236	130.0	5.118	3.0	.118	140°	15	0.200	ISO9766
16.0	16.5	86.0	3.386	20	R411.5-16554D	☆					20.00	.787	159	6.260	156.0	6.142	3.0	.118	140°	15	0.200	ISO9766
16.5	17.0	88.1	3.469	20	R411.5-17054D	☆	☆	☆	☆	☆	20.00	.787	159	6.260	155.9	6.138	3.1	.122	140°	15	0.200	ISO9766
17.0	17.5	88.2	3.472	20	R411.5-17554D	☆					20.00	.787	163	6.417	159.8	6.292	3.2	.125	140°	15	0.200	ISO9766
17.5	18.0	66.3	2.610	20	R411.5-18034D		☆	☆	☆	☆	20.00	.787	136	5.354	132.7	5.225	3.3	.129	140°	15	0.300	ISO9766
18.0	18.5	68.3	2.689	20	R411.5-18534D	☆					20.00	.787	139	5.472	135.6	5.340	3.4	.133	140°	15	0.300	ISO9766
19.0	19.5	71.6	2.819	25	R411.5-19534D	☆					25.00	.984	154	6.063	150.5	5.923	3.5	.140	140°	15	0.300	ISO9766
20.0	20.5	75.8	2.984	25	R411.5-20534D	☆	☆	☆	☆	☆	25.00	.984	159	6.260	155.3	6.113	3.7	.147	140°	15	0.380	ISO9766
20.5	21.0	77.8	3.063	25	R411.5-21034D	☆					25.00	.984	159	6.260	155.2	6.109	3.8	.150	140°	15	0.380	ISO9766
21.0	21.5	78.9	3.106	25	R411.5-21534D		☆	☆	☆	☆	25.00	.984	164	6.457	160.1	6.303	3.9	.154	140°	15	0.390	ISO9766
21.5	22.0	81.0	3.189	25	R411.5-22034D		☆	☆	☆	☆	25.00	.984	164	6.457	160.0	6.299	4.0	.158	140°	15	0.392	ISO9766
22.0	22.5	83.1	3.272	25	R411.5-22534D	☆	☆	☆	☆	☆	25.00	.984	168	6.614	163.9	6.453	4.1	.161	140°	15	0.390	ISO9766
22.5	23.0	85.2	3.354	25	R411.5-23034D	☆					25.00	.984	168	6.614	163.8	6.449	4.2	.165	140°	15	0.390	ISO9766
23.5	24.0	88.3	3.476	25	R411.5-24034D	☆					25.00	.984	174	6.850	169.6	6.678	4.4	.172	140°	15	0.384	ISO9766
24.5	25.0	92.6	3.646	32	R411.5-25034D		☆	☆	☆	☆	32.00	1.260	183	7.205	178.5	7.026	4.5	.179	140°	15	0.397	ISO9766
25.0	25.5	93.7	3.689	32	R411.5-25534D	☆					32.00	1.260	189	7.441	184.4	7.258	4.6	.183	140°	15	0.394	ISO9766
25.5	26.0	95.8	3.772	32	R411.5-26034D	☆					32.00	1.260	189	7.441	184.3	7.255	4.7	.186	140°	15	0.395	ISO9766
27.0	27.5	101.0	3.976	32	R411.5-27534D	☆					32.00	1.260	199	7.835	194.0	7.638	5.0	.197	140°	15	0.382	ISO9766
28.5	29.0	107.3	4.224	32	R411.5-29034D	☆					32.00	1.260	204	8.032	198.7	7.824	5.3	.208	140°	15	0.410	ISO9766

Ordering example: R411.5-16534D*16.30*P20

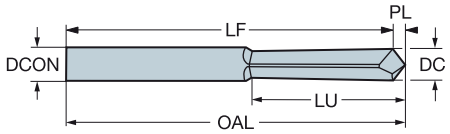
O5 Q5 K250 K252 Q1 Q35

Hard cut drill

For removal of broken taps or drilling difficult materials



TCHA H13
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
2.00	.079	7.0	.276	3	2	**HC 2**	2.00	.079	30	1.181	29.4	1.157	10	.394	0.6	.024	120°	0.002	COROMANT
3.00	.118	10.5	.413	3	3	**HC 3**	3.00	.118	40	1.575	39.1	1.539	15	.591	0.9	.035	120°	0.003	COROMANT
4.00	.157	14.0	.551	3	4	**HC 4**	4.00	.157	45	1.772	43.8	1.724	20	.787	1.2	.047	120°	0.007	COROMANT
5.00	.197	17.5	.689	3	5	**HC 5**	5.00	.197	50	1.969	48.6	1.913	25	.984	1.4	.055	120°	0.011	COROMANT
6.00	.236	21.0	.827	3	6	**HC 6**	6.00	.236	60	2.362	58.3	2.295	30	1.181	1.7	.067	120°	0.020	COROMANT

Ordering example for 2 sets: 2 sets HC 23456
Ordering example for 6 pieces of HC2 drills: 2 pieces HC2


O5

ISO 13399 Q1

CNSC CXSC Q35

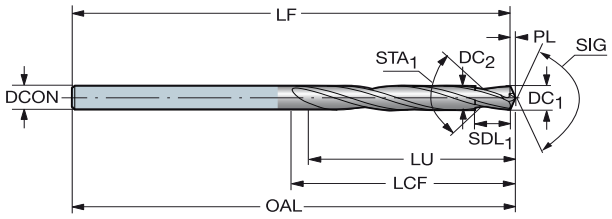
CoroDrill® 452 solid-carbide drill

For handheld machines

Pilot high precision drill for CFRP-metallic stack materials



TCHA H9
CNSC 0



DC1	DC1"	DC2	DC2"	SDL	SDL"	STA	LU	LU"	CZCMS	Ordering code	M H10F	N H10F	S H10F	O H10F	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
Dimensions, mm, inch																											
3.37	.133	4.17	.164	9.52	.375	155°	44.5	1.750	4	452.4-0417-034A0-CM	☆	☆	☆	☆	4.17	.164	101	4.000	100.9	3.972	50	2.000	0.7	.028	135°	0.030	COROMANT
4.06	.160	4.83	.190	9.52	.375	155°	44.5	1.752	4	452.4-0483-034A0-CM	☆	☆	☆	☆	4.83	.190	101	4.000	100.8	3.967	50	2.000	0.8	.033	135°	0.030	COROMANT
4.76	.188	5.56	.219	9.52	.375	155°	44.5	1.750	7/32	452.4-0556-034A0-CM	☆	☆	☆	☆	5.56	.219	101	4.000	100.6	3.961	50	2.000	1.0	.039	135°	0.040	COROMANT
5.56	.219	6.35	.250	9.52	.375	155°	44.5	1.750	1/4	452.4-0635-034A0-CM	☆	☆	☆	☆	6.35	.250	101	4.000	100.5	3.955	50	2.000	1.2	.045	135°	0.050	COROMANT
7.15	.281	7.94	.313	9.52	.375	155°	44.5	1.750	5/16	452.4-0794-034A0-CM	☆	☆	☆	☆	7.94	.313	101	4.000	100.1	3.942	50	2.000	1.5	.058	135°	0.060	COROMANT
8.73	.344	9.53	.375	9.52	.375	155°	44.5	1.750	3/8	452.4-0953-034A0-CM	☆	☆	☆	☆	9.53	.375	101	4.000	99.8	3.929	50	2.000	1.8	.071	135°	0.080	COROMANT
10.32	.406	11.12	.438	9.52	.375	155°	44.5	1.750	7/16	452.4-1112-034A0-CM	☆	☆	☆	☆	11.11	.438	101	4.000	99.5	3.916	50	2.000	2.1	.084	135°	0.130	COROMANT
11.91	.469	12.71	.500	9.52	.375	155°	44.5	1.750	1/2	452.4-1270-034A0-CM	☆	☆	☆	☆	12.70	.500	101	4.000	99.1	3.903	50	2.000	2.5	.097	135°	0.180	COROMANT

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ISO 13399 Q1

CNSC CXSC Q35

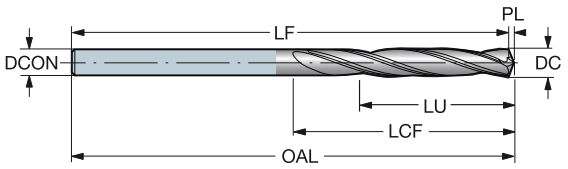
CoroDrill® 452 solid-carbide drill

For handheld machines

Drill for CFRP-metallic stack materials



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	M H10F	N H10F	S H10F	O H10F	DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
							Dimensions, mm, inch																
2.50	.098	44.5	1.750	17	2	**452.1-0250-044A0-CM**	☆	☆	☆	☆	2.50	.098	101	4.000	101.1	3.980	50	2.000	0.5	.020	135°	0.026	COROMANT
3.26	.129	44.5	1.750	13	3	**452.1-0326-044A0-CM**	☆	☆	☆	☆	3.26	.128	101	4.000	100.9	3.972	50	2.000	0.7	.027	135°	0.026	COROMANT
4.17	.164	44.5	1.750	10	4	**452.1-0417-044A0-CM**	☆	☆	☆	☆	4.17	.164	101	4.000	100.7	3.965	50	2.000	0.9	.034	135°	0.030	COROMANT
4.83	.190	44.5	1.750	9	4	**452.1-0483-044A0-CM**	☆	☆	☆	☆	4.83	.190	101	4.000	100.6	3.961	50	2.000	1.0	.039	135°	0.030	COROMANT
5.56	.219	44.5	1.750	7	7/32	**452.1-0556-044A0-CM**	☆	☆	☆	☆	5.56	.219	101	4.000	100.5	3.955	50	2.000	1.2	.045	135°	0.040	COROMANT
6.35	.250	44.5	1.750	6	1/4	**452.1-0635-044A0-CM**	☆	☆	☆	☆	6.35	.250	101	4.000	100.3	3.949	50	2.000	1.3	.052	135°	0.050	COROMANT
7.94	.313	44.5	1.750	5	5/16	**452.1-0794-044A0-CM**	☆	☆	☆	☆	7.94	.313	101	4.000	100.0	3.937	50	2.000	1.6	.065	135°	0.060	COROMANT
9.53	.375	44.5	1.750	4	3/8	**452.1-0953-044A0-CM**	☆	☆	☆	☆	9.53	.375	101	4.000	99.6	3.921	50	2.000	2.0	.078	135°	0.080	COROMANT
11.12	.438	44.5	1.750	3	7/16	**452.1-1112-044A0-CM**	☆	☆	☆	☆	11.11	.438	101	4.000	99.3	3.909	50	2.000	2.3	.091	135°	0.120	COROMANT
12.71	.500	44.5	1.750	3	1/2	**452.1-1270-044A0-CM**	☆	☆	☆	☆	12.70	.500	101	4.000	99.0	3.898	50	2.000	2.6	.104	135°	0.180	COROMANT

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ISO 13399 Q1

CNSC CXSC Q35

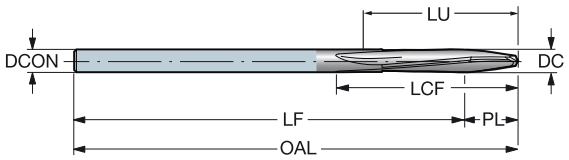
CoroDrill® 452 solid-carbide drill

For handheld machines

Drill for CFRP materials



TCHA H9
CNSC 0



DC	DC"	LU	LU"	ULDR	CZC_{MS}	Ordering code	0 H10F	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"	SIG	Kg	BSG
2.50	.098	50.0	1.968	20	2	**452.1-0250-044A0-C**	☆	2.50	.098	101	4.000	96.1	3.782	56	2.218	5.5	.218	118°	0.026	COROMANT
3.26	.129	51.7	2.035	15	3	**452.1-0326-044A0-C**	☆	3.26	.128	101	4.000	94.4	3.715	58	2.285	7.2	.285	118°	0.026	COROMANT
4.17	.164	53.7	2.114	12	4	**452.1-0417-044A0-C**	☆	4.17	.164	101	4.000	92.4	3.636	60	2.364	9.2	.364	118°	0.030	COROMANT
4.83	.190	55.2	2.172	11	4	**452.1-0483-044A0-C**	☆	4.83	.190	101	4.000	90.9	3.578	61	2.422	10.7	.422	118°	0.030	COROMANT
5.56	.219	56.8	2.235	10	7/32	**452.1-0556-044A0-C**	☆	5.56	.219	101	4.000	89.3	3.515	63	2.485	12.3	.485	118°	0.040	COROMANT
6.35	.250	58.6	2.305	9	1/4	**452.1-0635-044A0-C**	☆	6.35	.250	101	4.000	87.5	3.445	64	2.555	14.1	.555	118°	0.050	COROMANT
7.94	.313	62.1	2.444	7	5/16	**452.1-0794-044A0-C**	☆	7.94	.313	101	4.000	84.0	3.306	68	2.694	17.6	.694	118°	0.060	COROMANT
9.53	.375	65.6	2.582	6	3/8	**452.1-0953-044A0-C**	☆	9.53	.375	101	4.000	80.5	3.168	71	2.832	21.1	.832	118°	0.080	COROMANT
11.12	.438	69.1	2.721	6	7/16	**452.1-1112-044A0-C**	☆	11.11	.438	101	4.000	76.9	3.029	75	2.971	24.7	.971	118°	0.120	COROMANT
12.71	.500	66.3	2.610	5	1/2	**452.1-1270-044A0-C**	☆	12.70	.500	101	4.000	73.4	2.890	78	3.110	28.2	1.110	118°	0.180	COROMANT

 O5

ISO 13399 Q1

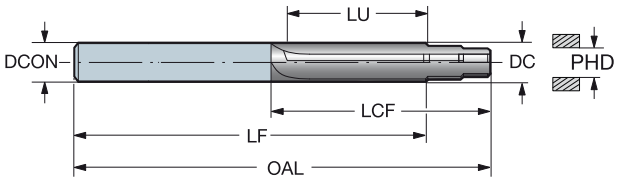
CNSC CXSC Q35

CoroDrill® 452 solid-carbide reamer

For handheld machines



CNSC 0



DC	DC"	LU	LU"	CZC_{MS}	Ordering code	M H10F	N H10F	S H10F	O H10F	Dimensions, mm, inch DCON	DCON"	OAL	OAL"	LF	LF"	LCF	LCF"	Kg	BSG
4.17	.164	37.0	1.455	4	452.R-0417-032A0-C				☆	4.17	.164	101	4.000	87.8	3.455	55	2.200	0.060	COROMANT
4.17	.164	38.1	1.500	4	452.R-0417-032A0-CM	☆	☆	☆	☆	4.17	.164	101	4.000	88.9	3.500	55	2.200	0.030	COROMANT
4.83	.190	37.0	1.455	4	452.R-0483-032A0-C				☆	4.83	.190	101	4.000	87.8	3.455	55	2.200	0.060	COROMANT
4.83	.190	38.1	1.500	4	452.R-0483-032A0-CM	☆	☆	☆	☆	4.83	.190	101	4.000	88.9	3.500	55	2.200	0.030	COROMANT
5.56	.219	37.0	1.455	7/32	452.R-0556-032A0-C				☆	5.56	.219	101	4.000	87.8	3.455	55	2.200	0.080	COROMANT
5.56	.219	38.1	1.500	7/32	452.R-0556-032A0-CM	☆	☆	☆	☆	5.56	.219	101	4.000	88.9	3.500	55	2.200	0.035	COROMANT
6.35	.250	37.0	1.455	1/4	452.R-0635-032A0-C				☆	6.35	.250	101	4.000	87.8	3.455	55	2.200	0.080	COROMANT
6.35	.250	38.1	1.500	1/4	452.R-0635-032A0-CM	☆	☆	☆	☆	6.35	.250	101	4.000	88.9	3.500	55	2.200	0.035	COROMANT
7.94	.313	33.8	1.331	5/16	452.R-0794-029A0-C				☆	7.94	.313	101	4.000	84.6	3.331	55	2.200	0.130	COROMANT
7.94	.313	35.0	1.376	5/16	452.R-0794-029A0-CM	☆	☆	☆	☆	7.94	.313	101	4.000	85.8	3.376	55	2.200	0.400	COROMANT
9.53	.375	30.6	1.205	3/8	452.R-0953-025A0-C				☆	9.53	.375	101	4.000	81.4	3.205	55	2.200	0.130	COROMANT
9.53	.375	31.8	1.250	3/8	452.R-0953-025A0-CM	☆	☆	☆	☆	9.53	.375	101	4.000	82.6	3.250	55	2.200	0.400	COROMANT
11.12	.438	30.6	1.205	7/16	452.R-1112-025A0-C				☆	11.11	.438	101	4.000	81.4	3.205	55	2.200	0.180	COROMANT
11.12	.438	31.8	1.250	7/16	452.R-1112-025A0-CM	☆	☆	☆	☆	11.11	.438	101	4.000	82.6	3.250	55	2.200	0.050	COROMANT
12.71	.500	30.6	1.205	1/2	452.R-1270-025A0-C				☆	12.70	.500	101	4.000	81.4	3.205	55	2.200	0.180	COROMANT
12.71	.500	31.8	1.250	1/2	452.R-1270-025A0-CM	☆	☆	☆	☆	12.70	.500	101	4.000	82.6	3.250	55	2.200	0.050	COROMANT

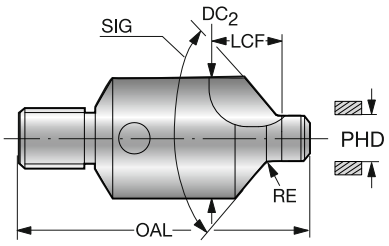
O5 Q1 Q35

CoroDrill® 452 countersink

For handheld machines



CNSC 0



PHD	PHD"	SIG	CZC_{MS}	Ordering code	0 / CD10	Dimensions, mm, inch DC_2	DC_2"	OAL	OAL"	LF	LF"	LCF	LCF"	RE	RE"
4.14	.163	100°	1/4-28	**452.C1-0414-100T-C**	☆	10.00	.393	36.00	1.417	9.32	.366	12.10	.476	0.90	.035
4.14	.163	130°	1/4-28	**452.C1-0414-130T-C**	☆	10.00	.393	36.00	1.417	8.28	.325	12.10	.476	0.60	.023
4.80	.189	100°	1/4-28	**452.C1-0480-100T-C**	☆	10.00	.393	36.58	1.440	9.04	.355	12.07	.475	0.90	.035
4.80	.189	130°	1/4-28	**452.C1-0480-130T-C**	☆	10.00	.393	36.58	1.440	8.07	.317	11.88	.467	0.60	.023
5.53	.217	100°	1/4-28	**452.C1-0553-100T-C**	☆	10.00	.393	36.58	1.440	8.73	.343	12.01	.472	0.90	.035
5.53	.217	130°	1/4-28	**452.C1-0553-130T-C**	☆	10.00	.393	36.58	1.440	7.90	.311	12.01	.472	0.60	.023
6.32	.249	100°	1/4-28	**452.C1-0632-100T-C**	☆	14.00	.551	37.82	1.488	11.09	.436	14.58	.574	0.90	.035
6.32	.249	130°	1/4-28	**452.C1-0632-130T-C**	☆	14.00	.551	37.82	1.488	9.66	.380	14.53	.572	0.60	.023
7.91	.311	100°	1/4-28	**452.C1-0791-100T-C**	☆	18.00	.708	39.73	1.564	12.11	.476	14.58	.574	1.15	.045
7.91	.311	130°	1/4-28	**452.C1-0791-130T-C**	☆	18.00	.708	39.73	1.564	10.23	.402	14.58	.574	0.90	.035
9.50	.374	100°	3/8-24	**452.C1-0950-100T-C**	☆	20.00	.787	49.50	1.948	15.58	.613	21.22	.835	1.15	.045
9.50	.374	130°	3/8-24	**452.C1-0950-130T-C**	☆	20.00	.787	49.50	1.948	13.62	.536	21.22	.835	0.90	.035
11.09	.436	100°	3/8-24	**452.C1-1109-100T-C**	☆	23.00	.905	51.00	2.007	16.17	.636	21.22	.835	1.40	.055
11.09	.436	130°	3/8-24	**452.C1-1109-130T-C**	☆	23.00	.905	51.00	2.007	13.95	.549	21.22	.835	1.20	.047
12.68	.499	100°	3/8-24	**452.C1-1268-100T-C**	☆	26.00	1.023	49.00	1.929	16.77	.660	23.77	.935	1.40	.055
12.68	.499	130°	3/8-24	**452.C1-1268-130T-C**	☆	26.00	1.023	49.00	1.929	14.28	.562	23.77	.935	1.20	.047

 O5

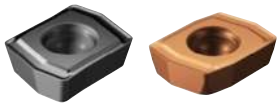
ISO 13399 Q1

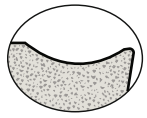
CNSC CXSC Q35

CoroDrill® 880

Insert geometries

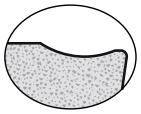
D_c 12.00 - 13.99 mm (.472 - .550 inch)





-LM **-MS**

P M N S | M S

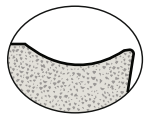


-GR

P M K N S H

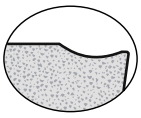
D_c 14.00 - 63.00 mm (.551 - 2.500 inch)





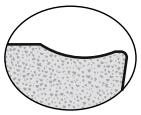
-LM **-MS**

P M N S | M S



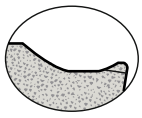
-GM

P M K N S H



-GR

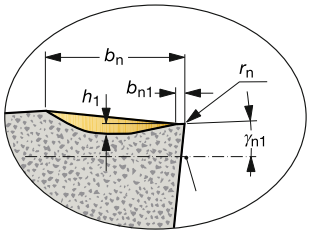
P K



-GT

P M K N S H

Characteristics



-LM	-GM	-GR	-GT
- Low to medium feed - Light cutting - Excellent chip control in long-chipping materials - LM - first choice for long-chipping materials - MS - sharp edge geometry optimized for stainless steel	- Low to medium feed - Light cutting - Excellent chip control in feed area - Low deflection	- Low to high feed - Strong reinforced edge - Good chip control in high feeds	- Low to high feed - Very strong reinforced edge - Good chip control in most materials - First choice for unstable conditions and interrupted cuts

Features

		-LM	-MS	-GM	-GR	-GT
Corner radius (peripheral insert)	r_e	Large	Large	Medium	Large	Large
Chipbreaker length	b_n	Long	Long	Short	Medium	Medium
Chipbreaker depth	h_1	Deep	Deep	Medium	Medium	Medium
Primary land width	b_{n1}	Long	Long	Short	Medium	Medium/Long
Primary land angle	γ_{n1}	Positive	Positive	Neutral	Neutral	Neutral
Edge radius	r_n	Medium	Small	Small	Large	Medium

		Light	First Choice	Tough
P	Low carbon High carbon	GM GM	LM GR	GT
M		GM	MS	GT
K		GM	GR	GT
N		GM	LM	GT
S		GM	LM	GT
H		GM	GM*	GT

* Note: For insert size 01 the first choice is -GR geometry.

Definitions

Light
- Low feed rates
- Applications requiring low cutting forces, e.g. with long drill, 4-5 x DC

Tough
- Unstable conditions and interrupted cuts

SANDVIK Coromant

CoroDrill® 880 large diameter drill

Insert to cartridge correlation

Diameter range, mm	Central cartridge Insert	Qty	Peripheral cartridge Insert	Qty
65-69	880-06...C 880-06...P	1 1	880-06...P	2
70-73	880-06...C 880-06...P	1 1	880-06...P	2
74	880-06...C 880-06...P	1 1	880-07...P	2
75-79	880-07...C 880-07...P	1 1	880-07...P	2
80-84	880-07...C 880-07...P	1 1	880-07...P	2

			Included parts			
			Drill body		Cartridge	
D_c	**DC"**	**Ordering code**	3xD	4xD	Central	Peripheral
65	2.559	880-D0650xxx-xx				880-D0650-P
66	2.598	880-D0660xxx-xx	880-D065-069L50-3	880-D065-069L50-4		880-D0660-P
67	2.638	880-D0670xxx-xx	880-D065-069LX50-3	880-D065-069LX50-4	880-D0650-C	880-D0670-P
68	2.677	880-D0680xxx-xx	880-D065-069V80-3	880-D065-069V80-4		880-D0680-P
69	2.717	880-D0690xxx-xx				880-D0690-P
70	2.756	880-D0700xxx-xx				880-D0700-P
71	2.795	880-D0710xxx-xx	880-D070-074L50-3	880-D070-074L50-4		880-D0710-P
72	2.835	880-D0720xxx-xx	880-D070-074LX50-3	880-D070-074LX50-4	880-D0700-C	880-D0720-P
73	2.874	880-D0730xxx-xx	880-D070-074V80-3	880-D070-074V80-4		880-D0730-P
74	2.913	880-D0740xxx-xx				880-D0740-P
75	2.953	880-D0750xxx-xx				880-D0750-P
76	2.992	880-D0760xxx-xx	880-D075-079L50-3	880-D075-079L50-4		880-D0760-P
77	3.032	880-D0770xxx-xx	880-D075-079LX50-3	880-D075-079LX50-4	880-D0750-C	880-D0770-P
78	3.071	880-D0780xxx-xx	880-D075-079V80-3	880-D075-079V80-4		880-D0780-P
79	3.110	880-D0790xxx-xx				880-D0790-P
80	3.150	880-D0800xxx-xx				880-D0800-P
81	3.189	880-D0810xxx-xx	880-D080-084LX63-3 880-D080-084V80-3	880-D080-084LX63-4 880-D080-084V80-4	880-D0800-C	880-D0810-P
82	3.228	880-D0820xxx-xx				880-D0820-P
83	3.268	880-D0830xxx-xx				880-D0830-P
84	3.307	880-D0840xxx-xx				880-D0840-P

Grade selection guidelines

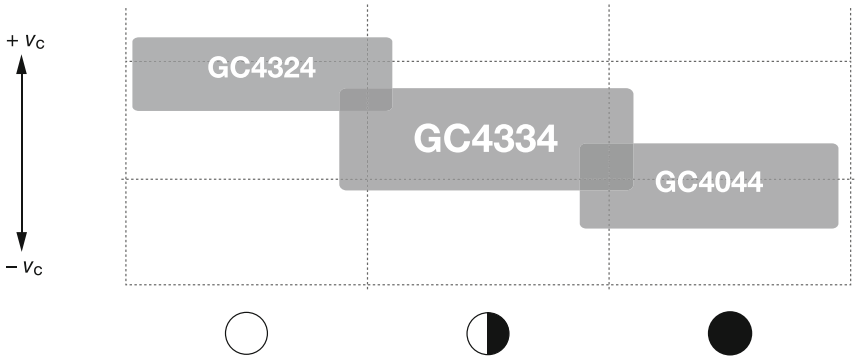
CoroDrill® 880

Application		Toughness	First Choice	Wear resistance
Peripheral insert	P	GC4044	GC4334	GC4324
	M	GC4044	GC2044	GC4334
	K	GC4044	GC4334	GC4324
	N	GC4044	H13A, GC4044*	H13A
	S	GC4044	H13A, GC4044*	H13A
	H	GC4044	GC4044	GC4324
Central insert	P		GC1044	
	M		GC1144	
	K		GC1044	
	N	GC1044	H13A, GC1044*	
	S	GC1044	H13A, GC1044*	
	H		GC1044	

* The more wear-resistant grade is recommended for larger diameters.

Productivity

ISO application area: P M K H



	Productivity choice	First Choice	Secure performance
Conditions:	Stable	Good	Difficult

CoroDrill® 881

Application		First Choice
Peripheral insert	P	GC4044
	M	GC2044
	K	GC4044
	N	GC4044
	S	GC4044
	H	GC4044
Central insert	P	GC1044
	M	GC1144
	K	GC1044
	N	GC1044
	S	GC1044
	H	GC1044

Coromant U indexable insert plunge drill

Geometry recommendations for Coromant U drills

DC12.7 - 17 mm (.500 - .669 inch)

	Central insert	Peripheral insert	
General choice	**C-53**	**P-53**	P M K N S H - Good chip control in most materials including: steel, stainless steel, cast iron, titanium, heat resistant alloys and aluminum - Low to high cutting speeds - Central and peripheral insert
Complementary choice	**TC-53**	**P-53**	P K H - TC -53, optimized geometry for increased edge security

DC 17.5 - 25 mm (.689 - .984 inch)

Productivity choice	**-WM**	**-WM**	P K M - Wiper geometry for up to 50% higher feed - For steel and cast iron with hardness above 200HB and easy to machine stainless steels - For stable conditions and open tolerance holes - Central and peripheral insert

DC 17.5 - 58 mm (.689 - 2.283 inch)

General choice	**-53**	**-53**	P M K N S H - Good chip control in most materials including: steel, stainless steel, cast iron, titanium, heat resistant alloys and aluminum - Low to high cutting speeds - Central and peripheral insert
Complementary choice	**-53**	**-58**	P M - Geometry -58, optimized as peripheral insert for low carbon steel and stainless steel - High cutting speeds
	T-53	T-53	P K H - Optimized geometries with increased edge security

DC 26 - 58 mm (1.024 - 2.283 inch)

Productivity choice		**-GM**	P M K N S Improved chip control
	-53	**-51**	P M K - Geometry -51, optimized as peripheral for good chip control in steel, stainless steel, cast iron
Complementary choice	**-56**	**-56**	P M - Good chip control in steel and stainless steel

CoroDrill® 870

< 6 x DC

Metric values

ISO	MC No.	CMC No.	Material	Hardness Brinell (HB)	Cutting speed (V_c) m/min correlating with drill diameter					
					10.00-20.99mm			21.00-33.00mm		
					Min.	Rec.	Max	Min.	Rec.	Max
P			**Unalloyed steel**				Grade 4234			
	P1.1.Z.AN	01.1	C=0.10-0.25%	125	80	120	160	80	120	160
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	80	120	160	80	120	160
	P1.3.Z.AN	01.3	C=0.55-0.80%	190	70	100	130	70	100	130
	P1.5.C.UT	06.1	Cast - untreated	150	80	110	140	80	110	140
			Low alloy steel							
	P2.1.Z.AN	02.1	Annealed	175	80	110	140	80	110	140
	P2.2.Z.AN	02.1	Annealed	240	80	110	140	80	110	140
	P2.4.Z.AN	02.1	Annealed	225	80	110	140	80	110	140
	P2.5.Z.HT	02.2	Hardened and tempered	330	70	100	130	50	75	100
	P2.6.C.UT	06.2	Cast - untreated	200	70	100	130	70	100	130
			High alloy steel							
	P3.0.Z.AN	03.11	Annealed	200	60	80	100	60	80	100
	P3.0.Z.HT	03.21	Hardened and tempered	380	40	60	80	40	60	80
			Ferritic/martensitic stainless steel				Grade 2234 and 4234			
	P5.0.Z.AN	05.11	Annealed	200	30	40	50	30	40	50
	P5.0.Z.HT	05.11	Hardened and tempered	330	70	90	110	60	75	90
M			**Austenitic stainless steel**				Grade 2234 and 4234			
	M1.0.Z.AQ	05.21	Annealed/quenched	200	40	50	60	40	50	60
	M1.0.C.UT	15.21	Cast+untreated	200	50	60	70	50	60	70
	M1.1.Z.AQ	05.21	Machinability improved	200	60	75	90	60	75	90
			Super-austenitic (Ni≥20%) stainless steel							
	M2.0.Z.AQ	05.23	Annealed/quenched	200	20	40	60	20	40	60
	M2.0.C.AQ	15.23	Cast+annealed/quenched	200	20	40	60	20	40	60
			Duplex (austenitic/ferritic) stainless steel							
	M3.1.Z.AQ	05.51	>60% ferrite (N<0.10%)	230	40	55	70	40	55	70
	M3.2.Z.AQ	05.52	<60% ferrite (N≥0.10%)	260	20	40	60	20	40	60
K			**Malleable cast iron**				Grade 3234 and 4234			
	K1.1.C.NS	07.1	Ferritic (short chipping)	130	100	145	190	100	145	190
	K1.1.C.NS	07.2	Pearlitic (long chipping)	200	90	125	160	90	125	160
			Gray cast iron							
	K2.1.C.UT	08.1	Low tensile strength	180	100	150	200	100	150	200
	K2.2.C.UT	08.2	High tensile strength	245	90	130	170	90	130	170
			Nodular cast iron							
	K3.1.C.UT	09.1	Ferritic	155	100	145	190	100	145	190
	K3.3.C.UT	09.2	Pearlitic	265	90	125	160	90	125	160

US ROT

CoroDrill® 870

< 6 x DC

Metric values

Feed (f_n) mm/r correlating with drill diameter																	
10.00-11.99 mm			**12.00-13.99 mm**			**14.00-15.99 mm**			**16.00-20.99 mm**			**21.00-25.99 mm**			**26.00-33.00 mm**		
Min.	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**
Geometry -PM and -GP																	
0.12	0.18	0.28	0.14	0.20	0.35	0.16	0.25	0.41	0.20	0.32	0.45	0.20	0.34	0.45	0.20	0.34	0.45
0.12	0.18	0.28	0.14	0.20	0.35	0.16	0.25	0.41	0.20	0.32	0.45	0.20	0.34	0.45	0.20	0.34	0.45
0.12	0.18	0.28	0.14	0.20	0.35	0.16	0.25	0.41	0.20	0.32	0.45	0.20	0.34	0.45	0.20	0.34	0.45
0.12	0.18	0.28	0.14	0.20	0.35	0.16	0.25	0.41	0.20	0.32	0.45	0.20	0.34	0.45	0.20	0.34	0.45
0.12	0.18	0.30	0.14	0.20	0.37	0.16	0.25	0.45	0.20	0.32	0.48	0.20	0.36	0.50	0.20	0.40	0.52
0.12	0.18	0.30	0.14	0.20	0.37	0.16	0.25	0.45	0.20	0.32	0.48	0.20	0.36	0.50	0.20	0.40	0.52
0.12	0.18	0.30	0.14	0.20	0.37	0.16	0.25	0.45	0.20	0.32	0.48	0.20	0.36	0.50	0.20	0.40	0.52
0.12	0.18	0.30	0.14	0.20	0.37	0.16	0.25	0.45	0.20	0.32	0.48	0.20	0.36	0.50	0.20	0.40	0.52
0.12	0.18	0.30	0.14	0.20	0.37	0.16	0.25	0.45	0.20	0.32	0.48	0.20	0.36	0.50	0.20	0.40	0.52
0.10	0.16	0.24	0.12	0.19	0.33	0.14	0.22	0.38	0.18	0.25	0.40	0.18	0.30	0.45	0.18	0.30	0.45
0.10	0.16	0.24	0.12	0.19	0.33	0.14	0.22	0.38	0.18	0.25	0.40	0.18	0.30	0.45	0.18	0.30	0.45
Geometry -PM, -MM and -GP																	
0.12	0.14	0.19	0.14	0.16	0.22	0.14	0.18	0.24	0.18	0.24	0.30	0.22	0.28	0.34	0.22	0.28	0.34
0.10	0.12	0.16	0.10	0.12	0.16	0.12	0.14	0.18	0.14	0.18	0.22	0.16	0.22	0.26	0.16	0.22	0.26
Geometry -MM and -GP																	
0.10	0.12	0.14	0.10	0.12	0.14	0.12	0.14	0.16	0.12	0.16	0.2	0.14	0.18	0.22	0.14	0.18	0.22
0.10	0.12	0.14	0.10	0.12	0.14	0.12	0.14	0.16	0.12	0.16	0.2	0.14	0.18	0.22	0.14	0.18	0.22
0.10	0.12	0.16	0.10	0.12	0.16	0.12	0.14	0.18	0.14	0.16	0.22	0.14	0.18	0.24	0.14	0.18	0.24
0.10	0.12	0.14	0.10	0.12	0.16	0.10	0.12	0.16	0.10	0.14	0.16	0.12	0.14	0.18	0.12	0.14	0.18
0.10	0.12	0.14	0.10	0.12	0.16	0.10	0.12	0.16	0.10	0.14	0.16	0.12	0.14	0.18	0.12	0.14	0.18
0.10	0.12	0.16	0.10	0.12	0.16	0.12	0.14	0.18	0.14	0.16	0.22	0.14	0.16	0.22	0.14	0.16	0.22
0.10	0.12	0.14	0.10	0.12	0.14	0.12	0.14	0.16	0.12	0.16	0.2	0.12	0.16	0.2	0.12	0.16	0.2
Geometry -KM and -GP																	
0.16	0.25	0.36	0.18	0.30	0.42	0.21	0.37	0.48	0.25	0.44	0.55	0.30	0.48	0.60	0.30	0.50	0.60
0.16	0.25	0.36	0.18	0.30	0.42	0.21	0.37	0.48	0.25	0.44	0.55	0.30	0.48	0.60	0.30	0.50	0.60
0.16	0.25	0.36	0.18	0.30	0.42	0.21	0.37	0.48	0.25	0.44	0.55	0.30	0.48	0.60	0.30	0.50	0.60
0.16	0.25	0.36	0.18	0.30	0.42	0.21	0.37	0.48	0.25	0.44	0.55	0.30	0.48	0.60	0.30	0.50	0.60
0.16	0.25	0.36	0.18	0.30	0.42	0.21	0.37	0.48	0.25	0.44	0.55	0.30	0.48	0.60	0.30	0.50	0.60
0.16	0.25	0.36	0.18	0.30	0.42	0.21	0.37	0.48	0.25	0.44	0.55	0.30	0.48	0.60	0.30	0.50	0.60

CoroDrill® 870

≥ 6 x DC

Metric values

ISO	MC No.	CMC No.	Material	Hardness Brinell (HB)	Cutting speed (V_c) m/min correlating with drill diameter					
					10.00-20.99mm			21.00-33.00mm		
					Min.	Rec.	Max	Min.	Rec.	Max
P			**Unalloyed steel**				Grade 4234			
	P1.1.Z.AN	01.1	C=0.10-0.25%	125	80	120	160	80	120	160
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	80	120	160	80	120	160
	P1.3.Z.AN	01.3	C=0.55-0.80%	190	70	100	130	70	100	130
	P1.5.C.UT	06.1	Cast - untreated	150	80	110	140	80	110	140
			Low alloy steel							
	P2.1.Z.AN	02.1	Annealed	175	80	110	140	80	110	140
	P2.2.Z.AN	02.1	Annealed	240	80	110	140	80	110	140
	P2.4.Z.AN	02.1	Annealed	225	80	110	140	80	110	140
	P2.5.Z.HT	02.2	Hardened and tempered	330	70	100	130	50	75	100
	P2.6.C.UT	06.2	Cast - untreated	200	70	100	130	70	100	130
			High alloy steel							
	P3.0.Z.AN	03.11	Annealed	200	60	80	100	60	80	100
	P3.0.Z.HT	03.21	Hardened and tempered	380	40	60	80	40	60	80
			Ferritic/martensitic stainless steel				Grade 2234 and 4234			
	P5.0.Z.AN	05.11	Annealed	200	30	40	50	30	40	50
	P5.0.Z.HT	05.11	Hardened and tempered	330	70	90	110	60	75	90
M			**Austenitic stainless steel**				Grade 2234			
	M1.0.Z.AQ	05.21	Annealed/quenched	200	40	50	60	40	50	60
	M1.0.C.UT	15.21	Cast+untreated	200	50	60	70	50	60	70
	M1.1.Z.AQ	05.21	Machinability improved	200	60	75	90	60	75	90
			Super-austenitic (Ni≥20%) stainless steel							
	M2.0.Z.AQ	05.23	Annealed/quenched	200	20	40	60	20	40	60
	M2.0.C.AQ	15.23	Cast+annealed/quenched	200	20	40	60	20	40	60
			Duplex (austenitic/ferritic) stainless steel							
	M3.1.Z.AQ	05.51	>60% ferrite (N<0.10%)	230	40	55	70	40	55	70
	M3.2.Z.AQ	05.52	<60% ferrite (N≥0.10%)	260	20	40	60	20	40	60
K			**Malleable cast iron**				Grade 3234			
	K1.1.C.NS	07.1	Ferritic (short chipping)	130	100	130	170	100	130	170
	K1.1.C.NS	07.2	Pearlitic (long chipping)	200	90	115	145	90	115	145
			Gray cast iron							
	K2.1.C.UT	08.1	Low tensile strength	180	100	135	180	100	135	180
	K2.2.C.UT	08.2	High tensile strength	245	90	120	155	90	120	155
			Nodular cast iron							
	K3.1.C.UT	09.1	Ferritic	155	100	130	170	100	130	170
	K3.3.C.UT	09.2	Pearlitic	265	90	115	145	90	115	145

CoroDrill® 870

≥ 6 x DC

Metric values

Feed (f_n) mm/r correlating with drill diameter																	
10.00-11.99 mm			**12.00-13.99 mm**			**14.00-15.99 mm**			**16.00-20.99 mm**			**21.00-25.99 mm**			**26.00-33.00 mm**		
Min.	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**	**Min.**	**Rec.**	**Max**
Geometry -PM																	
0.12	0.14	0.22	0.14	0.16	0.28	0.16	0.20	0.33	0.20	0.26	0.36	0.20	0.27	0.36	0.20	0.27	0.36
0.12	0.14	0.22	0.14	0.16	0.28	0.16	0.20	0.33	0.20	0.26	0.36	0.20	0.27	0.36	0.20	0.27	0.36
0.12	0.14	0.22	0.14	0.16	0.28	0.16	0.20	0.33	0.20	0.26	0.36	0.20	0.27	0.36	0.20	0.27	0.36
0.12	0.14	0.22	0.14	0.16	0.28	0.16	0.20	0.33	0.20	0.26	0.36	0.20	0.27	0.36	0.20	0.27	0.36
0.12	0.14	0.24	0.14	0.16	0.30	0.16	0.20	0.36	0.20	0.26	0.38	0.20	0.29	0.40	0.20	0.32	0.42
0.12	0.14	0.24	0.14	0.16	0.30	0.16	0.20	0.36	0.20	0.26	0.38	0.20	0.29	0.40	0.20	0.32	0.42
0.12	0.14	0.24	0.14	0.16	0.30	0.16	0.20	0.36	0.20	0.26	0.38	0.20	0.29	0.40	0.20	0.32	0.42
0.12	0.13	0.21	0.14	0.15	0.26	0.16	0.18	0.32	0.20	0.22	0.34	0.20	0.25	0.35	0.20	0.28	0.36
0.12	0.14	0.24	0.14	0.16	0.30	0.16	0.20	0.36	0.20	0.26	0.38	0.20	0.29	0.40	0.20	0.32	0.42
0.10	0.13	0.19	0.12	0.15	0.26	0.14	0.18	0.30	0.18	0.20	0.32	0.18	0.24	0.36	0.18	0.24	0.36
0.10	0.11	0.17	0.12	0.13	0.23	0.14	0.15	0.27	0.18	0.19	0.28	0.18	0.21	0.32	0.18	0.21	0.32
Geometry -PM and -MM																	
0.12	0.13	0.15	0.14	0.15	0.18	0.14	0.15	0.19	0.18	0.19	0.24	0.22	0.23	0.27	0.22	0.23	0.27
0.10	0.11	0.12	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.16	0.16	0.17	0.18	0.16	0.17	0.18
Geometry -MM																	
0.10	0.11	0.12	0.10	0.11	0.12	0.12	0.13	0.14	0.12	0.13	0.16	0.14	0.15	0.18	0.14	0.15	0.18
0.10	0.11	0.12	0.10	0.11	0.12	0.12	0.13	0.14	0.12	0.13	0.16	0.14	0.15	0.18	0.14	0.15	0.18
0.10	0.11	0.13	0.10	0.11	0.13	0.12	0.13	0.14	0.14	0.15	0.18	0.14	0.15	0.19	0.14	0.15	0.19
0.10	0.11	0.12	0.10	0.11	0.13	0.10	0.11	0.13	0.10	0.11	0.13	0.12	0.13	0.14	0.12	0.13	0.14
0.10	0.11	0.12	0.10	0.11	0.13	0.10	0.11	0.13	0.10	0.11	0.13	0.12	0.13	0.14	0.12	0.13	0.14
0.10	0.11	0.13	0.10	0.11	0.13	0.12	0.13	0.14	0.14	0.15	0.18	0.14	0.15	0.18	0.14	0.15	0.18
0.10	0.11	0.12	0.10	0.11	0.13	0.12	0.13	0.14	0.12	0.13	0.16	0.12	0.13	0.16	0.12	0.13	0.16
Geometry -KM																	
0.16	0.20	0.29	0.18	0.24	0.34	0.21	0.30	0.38	0.25	0.35	0.44	0.30	0.38	0.48	0.30	0.40	0.48
0.16	0.20	0.29	0.18	0.24	0.34	0.21	0.30	0.38	0.25	0.35	0.44	0.30	0.38	0.48	0.30	0.40	0.48
0.16	0.20	0.29	0.18	0.24	0.34	0.21	0.30	0.38	0.25	0.35	0.44	0.30	0.38	0.48	0.30	0.40	0.48
0.16	0.20	0.29	0.18	0.24	0.34	0.21	0.30	0.38	0.25	0.35	0.44	0.30	0.38	0.48	0.30	0.40	0.48
0.16	0.20	0.29	0.18	0.24	0.34	0.21	0.30	0.38	0.25	0.35	0.44	0.30	0.38	0.48	0.30	0.40	0.48
0.16	0.20	0.29	0.18	0.24	0.34	0.21	0.30	0.38	0.25	0.35	0.44	0.30	0.38	0.48	0.30	0.40	0.48

CoroDrill® 870

< 6 x DC

Inch values

ISO	MC No.	CMC No.	Material	Hardness Brinell (HB)	Cutting speed (V_c) ft/min correlating with drill diameter					
					.3937-.8264"			.8268-1.2992"		
					Min.	Rec.	Max	Min.	Rec.	Max
P			**Unalloyed steel**				Grade 4234			
	P1.1.Z.AN	01.1	C=0.10-0.25%	125	260	395	525	260	395	525
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	260	395	525	260	395	525
	P1.3.Z.AN	01.3	C=0.55-0.80%	190	230	330	425	230	330	425
	P1.5.C.UT	06.1	Cast - untreated	150	260	360	460	260	360	460
			Low alloy steel							
	P2.1.Z.AN	02.1	Annealed	175	260	360	460	260	360	460
	P2.2.Z.AN	02.1	Annealed	240	260	360	460	260	360	460
	P2.4.Z.AN	02.1	Annealed	225	260	360	460	260	360	460
	P2.5.Z.HT	02.2	Hardened and tempered	330	230	330	425	165	245	330
	P2.6.C.UT	06.2	Cast - untreated	200	230	330	425	230	330	425
			High alloy steel							
	P3.0.Z.AN	03.11	Annealed	200	195	260	330	195	260	330
	P3.0.Z.HT	03.21	Hardened and tempered	380	130	195	260	130	195	260
			Ferritic/martensitic stainless steel				Grade 2234 and 4234			
	P5.0.Z.AN	05.11	Annealed	200	100	130	165	100	130	165
	P5.0.Z.HT	05.11	Hardened and tempered	330	230	295	360	195	245	295
M			**Austenitic stainless steel**				Grade 2234 and 4234			
	M1.0.Z.AQ	05.21	Annealed/quenched	200	130	165	195	130	165	195
	M1.0.C.UT	15.21	Cast+untreated	200	165	195	230	165	195	230
	M1.1.Z.AQ	05.21	Machinability improved	200	195	245	295	195	245	295
			Super-austenitic (Ni≥20%) stainless steel							
	M2.0.Z.AQ	05.23	Annealed/quenched	200	65	130	195	65	130	195
	M2.0.C.AQ	15.23	Cast+annealed/quenched	200	65	130	195	65	130	195
			Duplex (austenitic/ferritic) stainless steel							
	M3.1.Z.AQ	05.51	>60% ferrite (N<0.10%)	230	130	180	230	130	180	230
	M3.2.Z.AQ	05.52	<60% ferrite (N≥0.10%)	260	65	130	195	65	130	195
K			**Malleable cast iron**				Grade 3234 and 4234			
	K1.1.C.NS	07.1	Ferritic (short chipping)	130	330	475	620	330	475	620
	K1.1.C.NS	07.2	Pearlitic (long chipping)	200	295	410	525	295	410	525
			Gray cast iron							
	K2.1.C.UT	08.1	Low tensile strength	180	330	490	655	330	490	655
	K2.2.C.UT	08.2	High tensile strength	245	295	425	560	295	425	560
			Nodular cast iron							
	K3.1.C.UT	09.1	Ferritic	155	330	475	620	330	475	620
	K3.3.C.UT	09.2	Pearlitic	265	295	410	525	295	410	525

CoroDrill® 870

< 6 x DC

Inch values

Feed (f_n) inch/rev. correlating with drill diameter																	
.3937-.4720"			.4724-.5508"			.5512-.6295"			.6299-.8264"			.8268-1.0232"			1.0237-1.2992"		
Min.	Rec.	Max	Min.	Rec.	Max	Min.	Rec.	Max	Min.	Rec.	Max	Min.	Rec.	Max	Min.	Rec.	Max
Geometry -PM and -GP																	
.0047	.0071	.0110	.0055	.0079	.0138	.0063	.0098	.0161	.0079	.0126	.0177	.0079	.0134	.0177	.0079	.0134	.0177
.0047	.0071	.0110	.0055	.0079	.0138	.0063	.0098	.0161	.0079	.0126	.0177	.0079	.0134	.0177	.0079	.0134	.0177
.0047	.0071	.0110	.0055	.0079	.0138	.0063	.0098	.0161	.0079	.0126	.0177	.0079	.0134	.0177	.0079	.0134	.0177
.0047	.0074	.0110	.0055	.0079	.0138	.0063	.0098	.0161	.0079	.0126	.0177	.0079	.0134	.0177	.0079	.0134	.0177
.0047	.0071	.0118	.0055	.0079	.0146	.0063	.0098	.0177	.0079	.0126	.0189	.0079	.0142	.0197	.0079	.0157	.0205
.0047	.0071	.0118	.0055	.0079	.0146	.0063	.0098	.0177	.0079	.0126	.0189	.0079	.0142	.0197	.0079	.0157	.0205
.0047	.0071	.0118	.0055	.0079	.0146	.0063	.0098	.0177	.0079	.0126	.0189	.0079	.0142	.0197	.0079	.0157	.0205
.0047	.0071	.0118	.0055	.0079	.0146	.0063	.0098	.0177	.0079	.0126	.0189	.0079	.0142	.0197	.0079	.0157	.0205
.0047	.0074	.0118	.0055	.0079	.0146	.0063	.0098	.0177	.0079	.0126	.0189	.0079	.0142	.0197	.0079	.0142	.0197
.0039	.0063	.0094	.0047	.0075	.0130	.0055	.0087	.0150	.0071	.0098	.0157	.0071	.0118	.0177	.0071	.0118	.0177
.0039	.0063	.0094	.0047	.0075	.0130	.0055	.0087	.0150	.0071	.0098	.0157	.0071	.0118	.0177	.0071	.0118	.0177
Geometry -PM, -MM and -GP																	
.0047	.0055	.0075	.0055	.0063	.0087	.0055	.0071	.0094	.0071	.0094	.0118	.0087	.0110	.0134	.0087	.0110	.0134
.0039	.0047	.0063	.0039	.0047	.0063	.0047	.0055	.0071	.0055	.0071	.0087	.0063	.0087	.0102	.0063	.0087	.0102
Geometry -MM and -GP																	
.0039	.0047	.0055	.0039	.0047	.0055	.0047	.0055	.0063	.0047	.0063	.0079	.0055	.0071	.0087	.0055	.0071	.0087
.0039	.0047	.0055	.0039	.0047	.0055	.0047	.0055	.0063	.0047	.0063	.0079	.0055	.0071	.0087	.0055	.0071	.0087
.0039	.0047	.0063	.0039	.0047	.0063	.0047	.0055	.0071	.0055	.0063	.0087	.0055	.0071	.0094	.0055	.0071	.0094
.0039	.0047	.0055	.0039	.0047	.0063	.0039	.0047	.0063	.0039	.0055	.0063	.0047	.0055	.0071	.0047	.0055	.0071
.0039	.0047	.0055	.0039	.0047	.0063	.0039	.0047	.0063	.0039	.0055	.0063	.0047	.0055	.0071	.0047	.0055	.0071
.0039	.0047	.0063	.0039	.0047	.0063	.0039	.0055	.0071	.0055	.0063	.0087	.0055	.0063	.0087	.0055	.0063	.0087
.0039	.0047	.0055	.0039	.0047	.0055	.0047	.0055	.0063	.0047	.0063	.0079	.0047	.0063	.0079	.0047	.0063	.0079
Geometry -KM and -GP																	
.0063	.0098	.0142	.0071	.0118	.0165	.0083	.0146	.0189	.0098	.0173	.0217	.0118	.0189	.0236	.0118	.0197	.0236
.0063	.0098	.0142	.0071	.0118	.0165	.0083	.0146	.0189	.0098	.0173	.0217	.0118	.0189	.0236	.0118	.0197	.0236
.0063	.0098	.0142	.0071	.0118	.0165	.0083	.0146	.0189	.0098	.0173	.0217	.0118	.0189	.0236	.0118	.0197	.0236
.0063	.0098	.0142	.0071	.0118	.0165	.0083	.0146	.0189	.0098	.0173	.0217	.0118	.0189	.0236	.0118	.0197	.0236
.0063	.0098	.0142	.0071	.0118	.0165	.0083	.0146	.0189	.0098	.0173	.0217	.0118	.0189	.0236	.0118	.0197	.0236
.0063	.0098	.0142	.0071	.0118	.0165	.0083	.0146	.0189	.0098	.0173	.0217	.0118	.0189	.0236	.0118	.0197	.0236

CoroDrill® 870

≥ 6 x DC

Inch values

ISO	MC No.	CMC No.	Material	Hardness Brinell (HB)	Cutting speed (V_c) ft/min correlating with drill diameter .3937-.8264" Min.	Rec.	Max	.8268-1.2992" Min.	Rec.	Max
P			**Unalloyed steel**				**Grade 4234**			
	P1.1.Z.AN	01.1	C=0.10-0.25%	125	260	395	525	260	395	525
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	260	395	525	260	395	525
	P1.3.Z.AN	01.3	C=0.55-0.80%	190	230	330	425	230	330	425
	P1.5.C.UT	06.1	Cast - untreated	150	260	360	460	260	360	460
			Low alloy steel							
	P2.1.Z.AN	02.1	Annealed	175	260	360	460	260	360	460
	P2.2.Z.AN	02.1	Annealed	240	260	360	460	260	360	460
	P2.4.Z.AN	02.1	Annealed	225	260	360	460	260	360	460
	P2.5.Z.HT	02.2	Hardened and tempered	330	230	330	425	165	245	330
	P2.6.C.UT	06.2	Cast - untreated	200	230	330	425	230	330	425
			High alloy steel							
	P3.0.Z.AN	03.11	Annealed	200	195	260	330	195	260	330
	P3.0.Z.HT	03.21	Hardened and tempered	380	130	195	260	130	195	260
			Ferritic/martensitic stainless steel				**Grade 2234 and 4234**			
	P5.0.Z.AN	05.11	Annealed	200	100	130	165	100	130	165
	P5.0.Z.HT	05.11	Hardened and tempered	330	230	295	360	195	245	295
M			**Austenitic stainless steel**				**Grade 2234**			
	M1.0.Z.AQ	05.21	Annealed/quenched	200	130	165	195	130	165	195
	M1.0.C.UT	15.21	Cast+untreated	200	165	195	230	165	195	230
	M1.1.Z.AQ	05.21	Machinability improved	200	195	245	295	195	245	295
			Super-austenitic (Ni≥20%) stainless steel							
	M2.0.Z.AQ	05.23	Annealed/quenched	200	65	130	195	65	130	195
	M2.0.C.AQ	15.23	Cast+annealed/quenched	200	65	130	195	65	130	195
			Duplex (austenitic/ferritic) stainless steel							
	M3.1.Z.AQ	05.51	>60% ferrite (N<0.10%)	230	130	180	230	130	180	230
	M3.2.Z.AQ	05.52	<60% ferrite (N≥0.10%)	260	65	130	195	65	130	195
K			**Malleable cast iron**				**Grade 3234**			
	K1.1.C.NS	07.1	Ferritic (short chipping)	130	330	425	560	330	425	560
	K1.1.C.NS	07.2	Pearlitic (long chipping)	200	295	380	475	295	380	475
			Gray cast iron							
	K2.1.C.UT	08.1	Low tensile strength	180	330	440	590	330	440	590
	K2.2.C.UT	08.2	High tensile strength	245	295	395	510	295	395	510
			Nodular cast iron							
	K3.1.C.UT	09.1	Ferritic	155	330	425	560	330	425	560
	K3.3.C.UT	09.2	Pearlitic	265	295	380	475	295	380	475

CoroDrill® 870

≥ 6 x DC

Inch values

Feed (f_n) inch/rev. correlating with drill diameter																	
.3937-.4720"			.4724-.5508"			.5512-.6295"			.6299-.8264"			.8268-1.0232"			1.0237-1.2992"		
Min.	Rec.	Max	Min.	Rec.	Max	Min.	Rec.	Max	Min.	Rec.	Max	Min.	Rec.	Max	Min.	Rec.	Max
Geometry -PM																	
.0047	.0057	.0088	.0055	.0063	.0110	.0063	.0079	.0129	.0079	.0101	.0142	.0079	.0107	.0142	.0079	.0107	.0142
.0047	.0057	.0088	.0055	.0063	.0110	.0063	.0079	.0129	.0079	.0101	.0142	.0079	.0107	.0142	.0079	.0107	.0142
.0047	.0057	.0088	.0055	.0063	.0110	.0063	.0079	.0129	.0079	.0101	.0142	.0079	.0107	.0142	.0079	.0107	.0142
.0047	.0057	.0088	.0055	.0063	.0110	.0063	.0079	.0129	.0079	.0101	.0142	.0079	.0107	.0142	.0079	.0107	.0142
.0047	.0057	.0094	.0055	.0063	.0117	.0063	.0079	.0142	.0079	.0101	.0151	.0079	.0113	.0157	.0079	.0126	.0164
.0047	.0057	.0094	.0055	.0063	.0117	.0063	.0079	.0142	.0079	.0101	.0151	.0079	.0113	.0157	.0079	.0126	.0164
.0047	.0057	.0094	.0055	.0063	.0117	.0063	.0079	.0142	.0079	.0101	.0151	.0079	.0113	.0157	.0079	.0126	.0164
.0047	.0050	.0083	.0055	.0059	.0102	.0063	.0069	.0124	.0079	.0088	.0132	.0079	.0099	.0138	.0079	.0110	.0143
.0047	.0057	.0094	.0055	.0063	.0117	.0063	.0079	.0142	.0079	.0101	.0151	.0079	.0113	.0157	.0079	.0126	.0164
.0039	.0050	.0076	.0047	.0060	.0104	.0055	.0069	.0120	.0071	.0079	.0126	.0071	.0094	.0142	.0071	.0094	.0142
.0039	.0044	.0066	.0047	.0052	.0091	.0055	.0061	.0105	.0071	.0075	.0110	.0071	.0083	.0124	.0071	.0083	.0124
Geometry -PM and -MM																	
.0047	.0051	.0060	.0055	.0059	.0069	.0055	.0059	.0076	.0071	.0076	.0094	.0087	.0091	.0107	.0087	.0091	.0107
.0039	.0043	.0047	.0039	.0043	.0047	.0047	.0051	.0055	.0055	.0059	.0063	.0063	.0067	.0072	.0063	.0067	.0072
Geometry -MM																	
.0039	.0043	.0047	.0039	.0043	.0047	.0047	.0051	.0055	.0047	.0050	.0063	.0055	.0059	.0069	.0055	.0059	.0069
.0039	.0043	.0047	.0039	.0043	.0047	.0047	.0051	.0055	.0047	.0050	.0063	.0055	.0059	.0069	.0055	.0059	.0069
.0039	.0043	.0050	.0039	.0043	.0050	.0047	.0051	.0057	.0055	.0059	.0069	.0055	.0059	.0076	.0055	.0059	.0076
.0039	.0043	.0047	.0039	.0043	.0050	.0039	.0043	.0050	.0039	.0044	.0050	.0047	.0051	.0057	.0047	.0051	.0057
.0039	.0043	.0047	.0039	.0043	.0050	.0039	.0043	.0050	.0039	.0044	.0050	.0047	.0051	.0057	.0047	.0051	.0057
.0039	.0043	.0050	.0039	.0043	.0050	.0047	.0051	.0057	.0055	.0059	.0069	.0055	.0059	.0069	.0055	.0059	.0069
.0039	.0043	.0047	.0039	.0043	.0050	.0047	.0051	.0055	.0047	.0050	.0063	.0047	.0050	.0063	.0047	.0050	.0063
Geometry -KM																	
.0063	.0079	.0113	.0071	.0094	.0132	.0083	.0117	.0151	.0098	.0139	.0173	.0118	.0151	.0189	.0118	.0157	.0189
.0063	.0079	.0113	.0071	.0094	.0132	.0083	.0117	.0151	.0098	.0139	.0173	.0118	.0151	.0189	.0118	.0157	.0189
.0063	.0079	.0113	.0071	.0094	.0132	.0083	.0117	.0151	.0098	.0139	.0173	.0118	.0151	.0189	.0118	.0157	.0189
.0063	.0079	.0113	.0071	.0094	.0132	.0083	.0117	.0151	.0098	.0139	.0173	.0118	.0151	.0189	.0118	.0157	.0189
.0063	.0079	.0113	.0071	.0094	.0132	.0083	.0117	.0151	.0098	.0139	.0173	.0118	.0151	.0189	.0118	.0157	.0189
.0063	.0079	.0113	.0071	.0094	.0132	.0083	.0117	.0151	.0098	.0139	.0173	.0118	.0151	.0189	.0118	.0157	.0189

CoroDrill® 880

Metric values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed v_c (m/min)	Drill diameter D_c mm
P	P1.0.Z.AN (01.0)	**Unalloyed steel** Non hardened 0.05-0.10% C	90-200	4324	230-400	12.00-13.99
						14.00-16.49
						16.50-19.99
				4334	210-325	20.00-23.99
						24.00-29.99
				4044	190-235	30.00-35.99
						36.00-43.99
						44.00-52.99
						53.00-63.50
	P1.1.Z.AN (01.1)	Non hardened 0.05-0.25% C	90-200	4324	230-370	12.00-13.99
						14.00-16.49
						16.50-19.99
				4334	200-305	20.00-23.99
						24.00-29.99
				4044	170-225	30.00-35.99
						36.00-43.99
						44.00-52.99
						53.00-63.50
	P1.2.Z.AN (01.2)	Non hardened 0.25-0.55% C	125-225	4324	190-305	12.00-13.99
						14.00-16.49
						16.50-19.99
				4334	155-250	20.00-23.99
						24.00-29.99
				4044	120-180	30.00-35.99
						36.00-43.99
						44.00-52.99
						53.00-63.50
	P1.3.Z.AN (01.3)	Non hardened 0.55-0.80% C	150-250	4324	170-290	12.00-13.99
						14.00-16.49
						16.50-19.99
				4334	140-240	20.00-23.99
						24.00-29.99
				4044	105-175	30.00-35.99
						36.00-43.99
						44.00-52.99
						53.00-63.50
	P1.3.Z.AN (01.4)	High carbon and carbon tool steel	180-275	4324	200-290	12.00-13.99
						14.00-16.49
						16.50-19.99
				4334	155-240	20.00-23.99
						24.00-29.99
				4044	105-170	30.00-35.99
						36.00-43.99
						44.00-52.99
						53.00-63.50
	P2.1.Z.AN (02.1)	Low alloy steel (Non-hardened)	150-260	4324	180-305	12.00-13.99
						14.00-16.49
						16.50-19.99
				4334	150-250	20.00-23.99
						24.00-29.99
				4044	115-180	30.00-35.99
						36.00-43.99
						44.00-52.99
						53.00-63.50
	P2.5.Z.HT (02.2)	Hardened steel	220-450	4324	90-245	12.00-13.99
						14.00-16.49
						16.50-19.99
				4334	85-195	20.00-23.99
						24.00-29.99
				4044	75-140	30.00-35.99
						36.00-43.99
						44.00-52.99
						53.00-63.50

Note: Bold text is recommended geometry
Central insert grade is always 1044.

CoroDrill® 880

Geometry / Feed											
Drill length 2-3xD				Drill length 4xD				Drill length 5xD			
-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT
f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev
0.04-0.08		0.04-0.06		**0.04-0.08**		0.04-0.06		**0.04-0.05**		0.04-0.05	
0.04-0.08	0.04-0.06	0.04-0.06	0.04-0.08	**0.04-0.08**	0.04-0.06	0.04-0.06	0.04-0.08	**0.04-0.05**	0.04-0.04	0.04-0.04	0.04-0.05
0.04-0.10	0.04-0.06	0.04-0.06	0.04-0.10	**0.04-0.10**	0.04-0.06	0.04-0.06	0.04-0.10	**0.04-0.07**	0.04-0.04	0.04-0.04	0.04-0.07
0.04-0.12	0.04-0.08	0.04-0.08	0.04-0.12	**0.04-0.12**	0.04-0.08	0.04-0.08	0.04-0.12	**0.04-0.08**	0.04-0.05	0.04-0.05	0.04-0.08
0.04-0.12	0.04-0.08	0.04-0.08	0.04-0.12	**0.04-0.12**	0.04-0.08	0.04-0.08	0.04-0.12	**0.04-0.08**	0.04-0.05	0.04-0.05	0.04-0.08
0.06-0.14	0.06-0.10	0.06-0.10	0.06-0.14	**0.06-0.12**	0.06-0.10	0.06-0.10	0.06-0.12	**0.06-0.09**	0.06-0.07	0.06-0.07	0.06-0.09
0.06-0.16	0.06-0.10	0.06-0.10	0.06-0.16	**0.06-0.14**	0.06-0.10	0.06-0.10	0.06-0.14	**0.06-0.11**	0.06-0.07	0.06-0.07	0.06-0.11
0.08-0.16	0.08-0.12	0.08-0.12	0.08-0.16	**0.08-0.16**	0.08-0.12	0.08-0.12	0.08-0.16				
0.08-0.16	0.08-0.12	0.08-0.12	0.08-0.16	**0.08-0.16**	0.08-0.12	0.08-0.12	0.08-0.16				
0.04-0.10		0.04-0.06		**0.04-0.08**		0.04-0.06		**0.04-0.07**		0.04-0.05	
0.04-0.10	0.04-0.06	0.04-0.06	0.04-0.10	**0.04-0.10**	0.04-0.06	0.04-0.06	0.04-0.10	**0.04-0.07**	0.04-0.04	0.04-0.04	0.04-0.07
0.04-0.12	0.04-0.06	0.04-0.06	0.04-0.12	**0.04-0.12**	0.04-0.06	0.04-0.06	0.04-0.12	**0.04-0.08**	0.04-0.04	0.04-0.04	0.04-0.08
0.04-0.14	0.04-0.10	0.04-0.08	0.04-0.14	**0.04-0.14**	0.04-0.10	0.04-0.08	0.04-0.14	**0.04-0.09**	0.04-0.07	0.04-0.05	0.04-0.09
0.04-0.14	0.04-0.10	0.04-0.08	0.04-0.14	**0.04-0.14**	0.04-0.10	0.04-0.08	0.04-0.14	**0.04-0.09**	0.04-0.07	0.04-0.05	0.04-0.09
0.06-0.16	0.06-0.12	0.06-0.10	0.06-0.16	**0.06-0.16**	0.06-0.10	0.06-0.10	0.06-0.16	**0.06-0.11**	0.06-0.08	0.06-0.07	0.06-0.11
0.06-0.16	0.06-0.12	0.06-0.10	0.06-0.16	**0.06-0.16**	0.06-0.10	0.06-0.10	0.06-0.16	**0.06-0.11**	0.06-0.08	0.06-0.07	0.06-0.11
0.08-0.16	0.08-0.12	0.08-0.12	0.08-0.16	**0.08-0.16**	0.08-0.12	0.08-0.12	0.08-0.16				
0.08-0.16	0.08-0.12	0.08-0.12	0.08-0.16	**0.08-0.16**	0.08-0.12	0.08-0.12	0.08-0.16				
0.04-0.10		**0.04-0.15**		0.04-0.10		**0.04-0.12**		0.04-0.07		**0.04-0.12**	
0.04-0.10	0.04-0.10	**0.04-0.20**	0.04-0.20	0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.07	0.04-0.07	**0.04-0.13**	0.04-0.13
0.06-0.14	0.06-0.14	**0.06-0.22**	0.06-0.22	0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.09	0.06-0.09	**0.06-0.15**	0.06-0.15
0.06-0.18	0.06-0.18	**0.06-0.26**	0.06-0.26	0.06-0.18	0.06-0.18	**0.06-0.20**	0.06-0.20	0.06-0.12	0.06-0.12	**0.06-0.17**	0.06-0.17
0.06-0.18	0.08-0.18	**0.08-0.30**	0.08-0.30	0.06-0.18	0.08-0.18	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.12	**0.08-0.20**	0.08-0.20
0.06-0.22	0.08-0.22	**0.08-0.32**	0.08-0.32	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.15	0.08-0.15	**0.08-0.21**	0.08-0.21
0.06-0.24	0.08-0.24	**0.08-0.34**	0.08-0.34	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.16	0.08-0.16	**0.08-0.23**	0.08-0.23
0.10-0.24	0.10-0.24	**0.10-0.34**	0.10-0.34	0.10-0.20	0.10-0.20	**0.10-0.24**	0.10-0.24				
0.10-0.24	0.10-0.24	**0.10-0.34**	0.10-0.34	0.10-0.20	0.10-0.20	**0.10-0.24**	0.10-0.24				
0.04-0.10		**0.04-0.15**		0.04-0.10		**0.04-0.12**		0.04-0.07		**0.04-0.12**	
0.04-0.10	0.04-0.10	**0.04-0.20**	0.04-0.20	0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.07	0.04-0.07	**0.04-0.13**	0.04-0.13
0.06-0.14	0.06-0.14	**0.06-0.22**	0.06-0.22	0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.09	0.06-0.09	**0.06-0.15**	0.06-0.15
0.06-0.18	0.06-0.18	**0.06-0.26**	0.06-0.26	0.06-0.18	0.06-0.18	**0.06-0.20**	0.06-0.20	0.06-0.12	0.06-0.12	**0.06-0.17**	0.06-0.17
0.06-0.18	0.08-0.18	**0.08-0.30**	0.08-0.30	0.06-0.18	0.08-0.18	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.12	**0.08-0.20**	0.08-0.20
0.06-0.24	0.08-0.24	**0.08-0.32**	0.08-0.32	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.16	0.08-0.16	**0.08-0.21**	0.08-0.21
0.06-0.24	0.08-0.24	**0.08-0.34**	0.08-0.34	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.16	0.08-0.16	**0.08-0.23**	0.08-0.23
0.06-0.24	0.08-0.24	**0.08-0.34**	0.08-0.34	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24				
0.10-0.24	0.10-0.24	**0.08-0.34**	0.08-0.34	0.10-0.20	0.10-0.20	**0.10-0.24**	0.10-0.24				
0.04-0.10		**0.04-0.15**		0.04-0.10		**0.04-0.12**		0.04-0.10		**0.04-0.12**	
0.04-0.10	0.04-0.10	**0.04-0.18**	0.04-0.18	0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.07	0.04-0.07	**0.04-0.12**	0.04-0.12
0.06-0.14	0.06-0.14	**0.06-0.22**	0.06-0.22	0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.09	0.06-0.09	**0.06-0.15**	0.06-0.15
0.06-0.18	0.06-0.18	**0.06-0.26**	0.06-0.26	0.06-0.18	0.06-0.18	**0.06-0.20**	0.06-0.20	0.06-0.12	0.06-0.12	**0.06-0.17**	0.06-0.17
0.06-0.18	0.08-0.18	**0.08-0.30**	0.08-0.30	0.06-0.18	0.08-0.18	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.12	**0.08-0.20**	0.08-0.20
0.06-0.24	0.08-0.24	**0.08-0.32**	0.08-0.32	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.16	0.08-0.16	**0.08-0.21**	0.08-0.21
0.06-0.24	0.08-0.24	**0.08-0.34**	0.08-0.34	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.16	0.08-0.16	**0.08-0.23**	0.08-0.23
0.10-0.24	0.10-0.24	**0.10-0.34**	0.10-0.34	0.10-0.20	0.10-0.20	**0.10-0.24**	0.10-0.24				
0.10-0.24	0.10-0.24	**0.10-0.34**	0.10-0.34	0.10-0.20	0.10-0.20	**0.10-0.24**	0.10-0.24				
0.04-0.10		**0.04-0.15**		0.04-0.10		**0.04-0.12**		0.04-0.07		**0.04-0.11**	
0.04-0.10	0.04-0.10	**0.04-0.20**	0.04-0.20	0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.07	0.04-0.07	**0.04-0.13**	0.04-0.13
0.06-0.14	0.06-0.14	**0.06-0.22**	0.06-0.22	0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.09	0.06-0.09	**0.06-0.15**	0.06-0.15
0.06-0.18	0.06-0.18	**0.06-0.26**	0.06-0.26	0.06-0.18	0.06-0.18	**0.06-0.20**	0.06-0.20	0.06-0.12	0.06-0.12	**0.06-0.17**	0.06-0.17
0.06-0.18	0.08-0.18	**0.08-0.30**	0.08-0.30	0.06-0.18	0.08-0.18	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.12	**0.08-0.20**	0.08-0.20
0.06-0.24	0.08-0.24	**0.08-0.32**	0.08-0.32	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.16	0.08-0.16	**0.08-0.21**	0.08-0.21
0.06-0.24	0.08-0.24	**0.08-0.34**	0.08-0.34	0.06-0.24	0.08-0.24	**0.08-0.24**	0.08-0.24	0.06-0.16	0.08-0.16	**0.08-0.23**	0.08-0.23
0.10-0.24	0.10-0.24	**0.10-0.34**	0.10-0.34	0.10-0.20	0.10-0.20	**0.10-0.24**	0.10-0.24				
0.10-0.24	0.10-0.24	**0.10-0.34**	0.10-0.34	0.10-0.20	0.10-0.20	**0.10-0.24**	0.10-0.24				
0.04-0.10		**0.04-0.15**		0.04-0.10		**0.04-0.12**		0.04-0.07		**0.04-0.10**	
0.04-0.10	0.04-0.10	**0.04-0.16**	0.04-0.16	0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.07	0.04-0.07	**0.04-0.11**	0.04-0.11
0.06-0.14	0.06-0.14	**0.06-0.20**	0.06-0.20	0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.09	0.06-0.09	**0.06-0.13**	0.06-0.13
0.06-0.18	0.06-0.18	**0.06-0.22**	0.06-0.22	0.06-0.18	0.06-0.18	**0.06-0.20**	0.06-0.20	0.06-0.12	0.06-0.12	**0.06-0.15**	0.06-0.15
0.06-0.18	0.08-0.18	**0.08-0.26**	0.08-0.30	0.06-0.18	0.08-0.18	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.12	**0.08-0.17**	0.08-0.17
0.06-0.24	0.08-0.24	**0.08-0.30**	0.08-0.30	0.06-0.20	0.08-0.20	**0.08-0.22**	0.08-0.22	0.06-0.16	0.08-0.16	**0.08-0.20**	0.08-0.20
0.06-0.24	0.08-0.24	**0.08-0.30**	0.08-0.30	0.06-0.22	0.08-0.22	**0.08-0.22**	0.08-0.22	0.06-0.16	0.08-0.16	**0.08-0.20**	0.08-0.20
0.10-0.24	0.10-0.24	**0.10-0.32**	0.10-0.32	0.10-0.22	0.10-0.22	**0.10-0.24**	0.10-0.24				
0.10-0.24	0.10-0.24	**0.10-0.32**	0.10-0.32	0.10-0.22	0.10-0.22	**0.10-0.24**	0.10-0.24				

CoroDrill® 880

Metric values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed v_c (m/min)	Drill diameter D_c mm
P	P3.0.Z.AN (03.11)	High alloy steel (Annealed)	150-250	4324 4334 4044	160-290 130-240 100-170	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	P3.0.Z.HT (03.21)	Hardened steel	250-350	4324 4334 4044	80-210 75-175 70-125	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	P1.5.C.UT 06.1	Steel castings (Unalloyed)	90-225	4324 4334 4044	140-325 135-265 125-190	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	P2.6.C.UT (06.2)	Low alloyed (alloying elements less than 5%)	150-250	4324 4334 4044	110-265 105-210 100-150	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50

Note: Bold text is recommended geometry
Central insert grade is always 1044.

CoroDrill® 880

Geometry / Feed											
Drill length 2-3xD				Drill length 4xD				Drill length 5xD			
-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT
f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev
0.04-0.10		**0.04-0.15**		0.04-0.10		**0.04-0.12**		0.04-0.07		**0.04-0.10**	
0.04-0.10	0.04-0.10	**0.04-0.16**	0.04-0.16	0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.07	0.04-0.07	**0.04-0.11**	0.04-0.11
0.06-0.14	0.06-0.14	**0.06-0.20**	0.06-0.20	0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.09	0.06-0.09	**0.06-0.13**	0.06-0.13
0.06-0.18	0.06-0.18	**0.06-0.22**	0.06-0.22	0.06-0.18	0.06-0.18	**0.06-0.20**	0.06-0.20	0.06-0.12	0.06-0.12	**0.06-0.15**	0.06-0.15
0.06-0.18	0.08-0.18	**0.08-0.26**	0.08-0.26	0.06-0.18	0.08-0.18	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.12	**0.08-0.17**	0.08-0.17
0.06-0.24	0.08-0.24	**0.08-0.30**	0.08-0.30	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.16	0.08-0.16	**0.08-0.20**	0.08-0.20
0.06-0.24	0.08-0.24	**0.08-0.30**	0.08-0.30	0.06-0.22	0.08-0.22	**0.08-0.24**	0.08-0.24	0.06-0.16	0.08-0.16	**0.08-0.20**	0.08-0.20
0.10-0.24	0.10-0.24	**0.10-0.32**	0.10-0.32	0.10-0.22	0.10-0.22	**0.10-0.24**	0.10-0.24				
0.10-0.24	0.10-0.24	**0.10-0.32**	0.10-0.32	0.10-0.22	0.10-0.22	**0.10-0.24**	0.10-0.24				
0.04-0.10		**0.04-0.12**		0.04-0.10		**0.04-0.11**		0.04-0.07		**0.04-0.09**	
0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.07	0.04-0.07	**0.04-0.09**	0.04-0.09
0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.09	0.06-0.09	**0.06-0.11**	0.06-0.11
0.06-0.18	0.06-0.18	**0.06-0.18**	0.06-0.20	0.06-0.18	0.06-0.18	**0.06-0.20**	0.06-0.20	0.06-0.12	0.06-0.12	**0.06-0.12**	0.06-0.12
0.06-0.18	0.08-0.18	**0.08-0.22**	0.08-0.26	0.06-0.18	0.08-0.18	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.12	**0.08-0.15**	0.08-0.15
0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.13	0.08-0.13	**0.08-0.16**	0.08-0.16
0.06-0.22	0.08-0.22	**0.08-0.26**	0.08-0.26	0.06-0.22	0.08-0.22	**0.08-0.24**	0.08-0.24	0.06-0.15	0.08-0.15	**0.08-0.17**	0.08-0.17
0.10-0.22	0.10-0.22	**0.10-0.26**	0.10-0.26	0.10-0.22	0.10-0.22	**0.10-0.24**	0.10-0.24				
0.10-0.22	0.10-0.22	**0.10-0.26**	0.10-0.26	0.10-0.22	0.10-0.22	**0.10-0.24**	0.10-0.24				
0.04-0.08		**0.04-0.12**		0.04-0.08		**0.04-0.12**		0.04-0.05		**0.04-0.08**	
0.04-0.08	0.04-0.08	**0.04-0.12**	0.04-0.12	0.04-0.08	0.04-0.08	**0.04-0.12**	0.04-0.12	0.04-0.05	0.04-0.05	**0.04-0.08**	0.04-0.08
0.04-0.08	0.04-0.08	**0.04-0.12**	0.04-0.12	0.04-0.08	0.04-0.08	**0.04-0.12**	0.04-0.12	0.04-0.05	0.04-0.05	**0.04-0.08**	0.04-0.08
0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.07	0.04-0.07	**0.04-0.09**	0.04-0.09
0.04-0.10	0.04-0.10	**0.04-0.14**	0.06-0.22	0.04-0.10	0.04-0.10	**0.04-0.14**	0.06-0.14	0.04-0.07	0.04-0.07	**0.04-0.09**	0.04-0.09
0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.09	0.06-0.09	**0.06-0.11**	0.06-0.11
0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.06-0.09	0.06-0.09	**0.06-0.11**	0.06-0.11
0.08-0.14	0.08-0.14	**0.08-0.16**	0.08-0.16	0.08-0.14	0.08-0.14	**0.08-0.16**					
0.08-0.14	0.08-0.14	**0.08-0.16**	0.08-0.16	0.08-0.14	0.08-0.14	**0.08-0.16**					
0.04-0.10		**0.04-0.15**		0.04-0.10		**0.04-0.12**		0.04-0.07		**0.04-0.10**	
0.04-0.10	0.04-0.10	**0.04-0.20**	0.04-0.20	0.04-0.10	0.04-0.10	**0.04-0.14**	0.04-0.14	0.04-0.07	0.04-0.07	**0.04-0.13**	0.04-0.13
0.04-0.14	0.06-0.14	**0.06-0.22**	0.06-0.22	0.04-0.14	0.06-0.14	**0.06-0.16**	0.06-0.16	0.04-0.09	0.06-0.09	**0.06-0.15**	0.06-0.15
0.06-0.18	0.06-0.18	**0.06-0.26**	0.06-0.26	0.06-0.18	0.06-0.18	**0.06-0.20**	0.06-0.20	0.06-0.12	0.06-0.12	**0.06-0.17**	0.06-0.17
0.06-0.18	0.08-0.18	**0.08-0.30**	0.08-0.30	0.06-0.18	0.08-0.18	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.12	**0.08-0.20**	0.08-0.20
0.06-0.20	0.08-0.20	**0.08-0.32**	0.08-0.32	0.06-0.20	0.08-0.20	**0.08-0.24**	0.08-0.24	0.06-0.13	0.08-0.13	**0.08-0.21**	0.08-0.21
0.06-0.22	0.08-0.22	**0.08-0.34**	0.08-0.34	0.06-0.22	0.08-0.22	**0.08-0.24**	0.08-0.24	0.06-0.15	0.08-0.15	**0.08-0.23**	0.08-0.23
0.10-0.22	0.10-0.22	**0.10-0.34**	0.10-0.34	0.10-0.22	0.10-0.22	**0.10-0.24**	0.10-0.24				
0.10-0.22	0.10-0.22	**0.10-0.34**	0.10-0.34	0.10-0.22	0.10-0.22	**0.10-0.24**	0.10-0.24				

CoroDrill® 880

Metric values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed v_c (m/min)	Drill diameter D_c mm	Geometry/ feed (f_n mm/rev.) Drill length 2-3xD -LM	-MS[1]	-GM
M	P5.0.Z.AN (05.11)	Stainless steel Ferritic/Martensitic 13-25% Cr	150-270	4324	120-280	12.00-13.99	0.04-0.12	**0.04-0.12**	
						14.00-16.49	0.04-0.14	**0.04-0.14**	0.04-0.08
						16.50-19.99	0.06-0.16	**0.06-0.16**	0.04-0.08
				4334	115-225	20.00-23.99	0.06-0.18	**0.06-0.18**	0.06-0.14
				4044	115-165	24.00-29.99	0.06-0.18	**0.06-0.18**	0.06-0.14
				2044	115-165	30.00-35.99	0.06-0.20	**0.06-0.20**	0.06-0.16
						36.00-43.99	0.06-0.20	**0.06-0.20**	0.06-0.16
						44.00-52.99	0.10-0.24	**0.10-0.24**	0.10-0.18
						53.00-63.50	0.10-0.24	**0.10-0.24**	0.10-0.18
	M1.0.Z.AQ (05.21)	Austenitic Ni > 8%, 13-25% Cr	150-275	4324	120-265	12.00-13.99	0.04-0.12	**0.04-0.12**	
						14.00-16.49	0.04-0.14	**0.04-0.14**	0.04-0.08
						16.50-19.99	0.06-0.14	**0.06-0.14**	0.04-0.08
				4334	115-225	20.00-23.99	0.06-0.16	**0.06-0.16**	0.06-0.12
				4044	115-180	24.00-29.99	0.06-0.16	**0.06-0.16**	0.06-0.12
				2044	115-180	30.00-35.99	0.06-0.18	**0.06-0.18**	0.06-0.16
						36.00-43.99	0.06-0.20	**0.06-0.20**	0.06-0.16
						44.00-52.99	0.10-0.20	**0.10-0.20**	0.10-0.16
						53.00-63.50	0.10-0.20	**0.10-0.20**	0.10-0.16
	M3.1.Z.AQ (05.51) M3.2.Z.AQ (05.52)	Austenitic/Ferritic (Duplex)	200-320	4324	90-155	12.00-13.99	0.04-0.12	**0.04-0.12**	
						14.00-16.49	0.04-0.14	**0.04-0.14**	0.04-0.08
						16.50-19.99	0.06-0.14	**0.06-0.14**	0.04-0.08
				4334	85-145	20.00-23.99	0.06-0.16	**0.06-0.16**	0.06-0.12
				4044	85-125	24.00-29.99	0.06-0.16	**0.06-0.16**	0.06-0.12
				2044	85-125	30.00-35.99	0.06-0.18	**0.06-0.18**	0.06-0.16
						36.00-43.99	0.06-0.20	**0.06-0.20**	0.06-0.16
						44.00-52.99	0.10-0.20	**0.10-0.20**	0.10-0.16
						53.00-63.50	0.10-0.20	**0.10-0.20**	0.10-0.16
	M1.0.C.UT (15.21)	Austenitic castings	150-250	4324	150-210	12.00-13.99	0.04-0.12	**0.04-0.12**	
						14.00-16.49	0.04-0.12	**0.04-0.12**	0.04-0.08
						16.50-19.99	0.06-0.14	**0.06-0.14**	0.04-0.08
				4334	115-185	20.00-23.99	0.06-0.16	**0.06-0.16**	0.06-0.12
				4044	80-155	24.00-29.99	0.06-0.16	**0.06-0.16**	0.06-0.12
				2044	80-155	30.00-35.99	0.06-0.18	**0.06-0.18**	0.06-0.16
						36.00-43.99	0.06-0.20	**0.06-0.20**	0.06-0.16
						44.00-52.99	0.10-0.20	**0.10-0.20**	0.10-0.16
						53.00-63.50	0.10-0.20	**0.10-0.20**	0.10-0.16
S	S2.0.Z.AN (20.21) S2.0.Z.AG (20.22) S2.0.C.NS (20.24)	Heat resistant alloys, Ni based	140-425	4044	20-90	12.00-13.99	**0.04-0.08**	0.04-0.08	
						14.00-16.49	**0.04-0.08**	0.04-0.08	0.04-0.10
				H13A	15-90	16.50-19.99	**0.05-0.08**	0.05-0.08	0.05-0.10
				2044	20-90	20.00-23.99	**0.05-0.08**	0.05-0.08	0.05-0.10
						24.00-29.99	**0.06-0.10**	0.06-0.10	0.06-0.12
						30.00-35.99	**0.06-0.12**	0.06-0.12	0.06-0.12
						36.00-43.99	**0.06-0.12**	0.06-0.12	0.06-0.12
						44.00-52.99	**0.06-0.12**	0.06-0.12	0.06-0.12
						53.00-63.50	**0.08-0.14**	0.08-0.14	0.06-0.14
	S4.2.Z.AN (23.21) S4.3.Z.AG (23.22)	Titanium: α, near α and α+ β alloys in annealed condition Titanium: α+ β alloys in aged condition, β alloys in annealed or aged condition	Rm (Mpa) 600-1500	4044	40-135	12.00-13.99	**0.04-0.14**	0.04-0.14	
						14.00-16.49	**0.06-0.14**	0.06-0.14	0.06-0.12
				H13A	40-135	16.50-19.99	**0.08-0.16**	0.08-0.16	0.08-0.14
				2044	40-135	20.00-23.99	**0.08-0.16**	0.08-0.16	0.08-0.14
						24.00-29.99	**0.12-0.18**	0.12-0.18	0.10-0.16
						30.00-35.99	**0.12-0.18**	0.12-0.18	0.10-0.18
						36.00-43.99	**0.12-0.18**	0.12-0.18	0.10-0.18
						44.00-52.99	**0.12-0.18**	0.12-0.18	0.10-0.18
						53.00-63.50	**0.14-0.20**	0.14-0.20	0.14-0.20

Note: Bold text is recommended geometry
[1] -MS geometry is only available in GC2044
GC1044 is the universal central insert grade for all materials
GC1144 is the optimized central insert grade for ISO M materials

CoroDrill® 880

Geometry/ feed (f_n mm/rev.)											
Drill length 2-3xD				**Drill length 4xD**					**Drill length 5xD**		
-GR	**-GT**	**-LM**	**MS[1)]**	**-GM**	**-GR**	**-GT**	**-LM**	**MS[1)]**	**-GM**	**-GR**	**-GT**
0.04-0.08		0.04-0.10	**0.04-0.10**		0.04-0.08		0.04-0.08	**0.04-0.08**		0.04-0.05	
0.04-0.08	0.04-0.14	0.04-0.12	**0.04-0.12**	0.04-0.08	0.04-0.08	0.04-0.12	0.04-0.09	**0.04-0.09**	0.04-0.05	0.04-0.05	0.04-0.09
0.04-0.08	0.06-0.16	0.06-0.14	**0.06-0.14**	0.04-0.08	0.04-0.08	0.06-0.14	0.06-0.11	**0.06-0.11**	0.04-0.05	0.04-0.05	0.06-0.11
0.06-0.14	0.06-0.18	0.06-0.16	**0.06-0.16**	0.06-0.14	0.06-0.14	0.06-0.16	0.06-0.12	**0.06-0.12**	0.06-0.09	0.06-0.09	0.06-0.12
0.06-0.14	0.06-0.18	0.06-0.16	**0.06-0.16**	0.06-0.14	0.06-0.14	0.06-0.16	0.06-0.12	**0.06-0.12**	0.06-0.09	0.06-0.09	0.06-0.12
0.06-0.16	0.06-0.20	0.06-0.18	**0.06-0.18**	0.06-0.16	0.06-0.16	0.06-0.18	0.06-0.13	**0.06-0.13**	0.06-0.11	0.06-0.11	0.06-0.13
0.06-0.16	0.10-0.24	0.06-0.18	**0.06-0.18**	0.06-0.16	0.06-0.16	0.06-0.18	0.06-0.13	**0.06-0.13**	0.06-0.11	0.06-0.11	0.06-0.13
0.10-0.18	0.10-0.24	0.10-0.20	**0.10-0.20**	0.10-0.16	0.10-0.16	0.10-0.20					
0.10-0.18	0.10-0.24	0.10-0.20	**0.10-0.20**	0.10-0.16	0.10-0.16	0.10-0.20					
0.04-0.08		0.04-0.10	**0.04-0.10**		0.04-0.08		0.04-0.08	**0.04-0.08**		0.04-0.05	
0.04-0.08	0.04-0.14	0.04-0.12	**0.04-0.12**	0.04-0.08	0.04-0.08	0.04-0.12	0.04-0.09	**0.04-0.09**	0.04-0.05	0.04-0.05	0.04-0.09
0.04-0.08	0.06-0.14	0.06-0.12	**0.06-0.12**	0.04-0.08	0.04-0.08	0.06-0.12	0.06-0.09	**0.06-0.09**	0.04-0.05	0.04-0.05	0.06-0.09
0.06-0.12	0.06-0.16	0.06-0.14	**0.06-0.14**	0.06-0.12	0.06-0.12	0.06-0.14	0.06-0.11	**0.06-0.11**	0.06-0.08	0.06-0.08	0.06-0.11
0.06-0.12	0.06-0.16	0.06-0.14	**0.06-0.14**	0.06-0.12	0.06-0.12	0.06-0.14	0.06-0.11	**0.06-0.11**	0.06-0.08	0.06-0.08	0.06-0.11
0.06-0.16	0.06-0.20	0.06-0.16	**0.06-0.16**	0.06-0.16	0.06-0.16	0.06-0.16	0.06-0.12	**0.06-0.12**	0.06-0.11	0.06-0.11	0.06-0.12
0.06-0.16	0.06-0.20	0.06-0.16	**0.06-0.16**	0.06-0.16	0.06-0.16	0.06-0.16	0.06-0.13	**0.06-0.13**	0.06-0.11	0.06-0.11	0.06-0.13
0.10-0.16	0.10-0.20	0.10-0.16	**0.10-0.16**	0.10-0.16	0.10-0.16	0.10-0.16					
0.10-0.16	0.10-0.20	0.10-0.16	**0.10-0.16**	0.10-0.16	0.10-0.16	0.10-0.16					
0.04-0.08		0.04-0.10	**0.04-0.10**		0.04-0.08		0.04-0.08	**0.04-0.08**		0.04-0.05	
0.04-0.08	0.04-0.14	0.04-0.12	**0.04-0.12**	0.04-0.08	0.04-0.08	0.04-0.12	0.04-0.09	**0.04-0.09**	0.04-0.05	0.04-0.05	0.04-0.09
0.04-0.08	0.06-0.14	0.06-0.12	**0.06-0.12**	0.04-0.08	0.04-0.08	0.06-0.12	0.06-0.09	**0.06-0.09**	0.04-0.05	0.04-0.05	0.06-0.09
0.06-0.12	0.06-0.16	0.06-0.14	**0.06-0.14**	0.06-0.12	0.06-0.12	0.06-0.14	0.06-0.11	**0.06-0.11**	0.06-0.08	0.06-0.08	0.06-0.11
0.06-0.12	0.06-0.16	0.06-0.14	**0.06-0.14**	0.06-0.12	0.06-0.12	0.06-0.14	0.06-0.11	**0.06-0.11**	0.06-0.08	0.06-0.08	0.06-0.11
0.06-0.16	0.06-0.18	0.06-0.18	**0.06-0.18**	0.06-0.16	0.06-0.16	0.06-0.18	0.06-0.12	**0.06-0.12**	0.06-0.11	0.06-0.11	0.06-0.12
0.06-0.16	0.06-0.20	0.06-0.18	**0.06-0.18**	0.06-0.16	0.06-0.16	0.06-0.18	0.06-0.13	**0.06-0.13**	0.06-0.11	0.06-0.11	0.06-0.13
0.10-0.16	0.10-0.20	0.10-0.18	**0.10-0.18**	0.10-0.16	0.10-0.16	0.10-0.18					
0.10-0.16	0.10-0.20	0.10-0.18	**0.10-0.18**	0.10-0.16	0.10-0.16	0.10-0.18					
0.04-0.08		0.04-0.10	**0.04-0.10**		0.04-0.08		0.04-0.08	**0.04-0.08**		0.04-0.05	
0.04-0.08	0.04-0.12	0.04-0.10	**0.04-0.10**	0.04-0.08	0.04-0.08	0.04-0.10	0.04-0.08	**0.04-0.08**	0.04-0.05	0.04-0.05	0.04-0.08
0.04-0.08	0.06-0.14	0.06-0.12	**0.06-0.12**	0.04-0.08	0.04-0.08	0.06-0.12	0.06-0.09	**0.06-0.09**	0.04-0.05	0.04-0.05	0.06-0.09
0.06-0.12	0.06-0.16	0.06-0.14	**0.06-0.14**	0.06-0.12	0.06-0.12	0.06-0.14	0.06-0.11	**0.06-0.11**	0.06-0.08	0.06-0.08	0.06-0.11
0.06-0.12	0.06-0.16	0.06-0.14	**0.06-0.14**	0.06-0.12	0.06-0.12	0.06-0.14	0.06-0.11	**0.06-0.11**	0.06-0.08	0.06-0.08	0.06-0.11
0.06-0.16	0.06-0.18	0.06-0.18	**0.06-0.18**	0.06-0.16	0.06-0.16	0.06-0.18	0.06-0.12	**0.06-0.12**	0.06-0.11	0.06-0.11	0.06-0.12
0.06-0.16	0.06-0.20	0.06-0.18	**0.06-0.18**	0.06-0.16	0.06-0.16	0.06-0.18	0.06-0.13	**0.06-0.13**	0.06-0.11	0.06-0.11	0.06-0.13
0.10-0.16	0.10-0.20	0.10-0.18	**0.10-0.18**	0.10-0.16	0.10-0.16	0.10-0.18					
0.10-0.16	0.10-0.20	0.10-0.18	**0.10-0.18**	0.10-0.16	0.10-0.16	0.10-0.18					
0.04-0.08		**0.04-0.08**	0.04-0.08		0.04-0.08		**0.04-0.05**	0.04-0.05		0.04-0.05	
0.04-0.08	0.04-0.08	**0.04-0.08**	0.04-0.08	0.04-0.08	0.04-0.08	0.04-0.08	**0.04-0.05**	0.04-0.05	0.04-0.07	0.04-0.05	0.04-0.05
0.05-0.08	0.05-0.08	**0.05-0.08**	0.05-0.08	0.05-0.08	0.05-0.08	0.05-0.08	**0.05-0.05**	0.05-0.05	0.05-0.07	0.05-0.05	0.05-0.05
0.05-0.08	0.05-0.08	**0.05-0.08**	0.05-0.08	0.05-0.08	0.05-0.08	0.05-0.08	**0.05-0.05**	0.05-0.05	0.05-0.07	0.05-0.05	0.05-0.05
0.06-0.08	0.05-0.08	**0.05-0.10**	0.05-0.10	0.06-0.10	0.06-0.08	0.06-0.08	**0.06-0.07**	0.06-0.07	0.06-0.08	0.05-0.06	0.06-0.07
0.06-0.12	0.06-0.12	**0.06-0.12**	0.06-0.12	0.06-0.12	0.06-0.12	0.06-0.12	**0.06-0.08**	0.06-0.08	0.06-0.08	0.06-0.08	0.06-0.08
0.06-0.12	0.06-0.12	**0.06-0.12**	0.06-0.12	0.06-0.12	0.06-0.12	0.06-0.12	**0.06-0.08**	0.06-0.08	0.06-0.08	0.06-0.08	0.06-0.08
0.06-0.12	0.06-0.12	**0.06-0.12**	0.06-0.12	0.06-0.12	0.08-0.12	0.06-0.12					
0.08-0.12	0.08-0.14	**0.08-0.14**	0.08-0.14	0.08-0.14	0.08-0.12	0.08-0.14					
0.04-0.10		**0.04-0.12**	0.04-0.12		0.04-0.10		**0.04-0.10**	0.04-0.10		0.04-0.08	
0.06-0.10	0.06-0.10	**0.04-0.12**	0.04-0.12	0.04-0.10	0.08-0.12	0.06-0.10	**0.06-0.09**	0.06-0.09	0.06-0.08	0.06-0.07	0.06-0.07
0.08-0.12	0.08-0.12	**0.08-0.14**	0.08-0.14	0.06-0.12	0.08-0.12	0.08-0.12	**0.08-0.11**	0.08-0.11	0.08-0.09	0.08-0.08	0.08-0.08
0.08-0.12	0.08-0.12	**0.08-0.14**	0.08-0.14	0.06-0.12	0.10-0.14	0.08-0.12	**0.08-0.11**	0.08-0.11	0.08-0.09	0.08-0.08	0.08-0.08
0.10-0.14	0.10-0.14	**0.10-0.16**	0.10-0.16	0.08-0.14	0.10-0.14	0.10-0.14	**0.12-0.12**	0.12-0.12	0.10-0.11	0.09-0.10	0.09-0.10
0.10-0.16	0.12-0.18	**0.12-0.18**	0.12-0.18	0.10-0.16	0.10-0.16	0.12-0.18	**0.12-0.12**	0.12-0.12	0.10-0.12	0.10-0.11	0.12-0.12
0.10-0.16	0.12-0.18	**0.12-0.18**	0.12-0.18	0.10-0.16	0.12-0.16	0.12-0.18	**0.12-0.12**	0.12-0.12	0.10-0.12	0.10-0.11	0.12-0.12
0.10-0.16	0.12-0.18	**0.12-0.18**	0.12-0.18	0.10-0.16	0.12-0.16	0.12-0.18					
0.12-0.16	0.14-0.20	**0.14-0.20**	0.14-0.20	0.14-0.18	0.12-0.16	0.14-0.20					

CoroDrill® 880

Metric values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed v_c (m/min)	Drill diameter D_c mm
K	K1.1.C.NS (07.1)	Malleable cast iron Ferritic (Short chipping)	110-145	4324 4334 4044	140-245 110-200 80-145	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	K1.1.C.NS (07.2)	Pearlitic (long chipping)	150-270	4324 4334 4044	105-180 85-150 65-105	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	K2.1.C.UT (08.1)	Gray cast iron: Low tensile strength	150-220	4324 4334 4044	210-325 170-270 130-195	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	K2.2.C.UT (08.2)	High tensile strength	200-330	4324 4334 4044	125-245 100-195 75-140	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	K3.1.C.UT (09.1)	Nodular cast iron (Ferritic)	150-230	4324 4334 4044	125-225 100-185 80-135	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	K3.3.C.UT (09.2)	Pearlitic	200-330	4324 4334 4044	110-210 90-175 70-125	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50

Note: Bold text is recommended geometry
Central insert grade is always 1044.

CoroDrill® 880

Geometry / Feed											
Drill length 2-3xD				Drill length 4xD				Drill length 5xD			
-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT
f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev
0.06-0.10		**0.06-0.15**		0.06-0.10		**0.06-0.13**		0.06-0.08		**0.06-0.10**	
0.06-0.10	0.06-0.12	**0.06-0.20**	0.06-0.20	0.06-0.10	0.06-0.12	**0.06-0.14**	0.06-0.14	0.06-0.07	0.06-0.08	**0.06-0.13**	0.06-0.13
0.06-0.12	0.08-0.14	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.14	**0.08-0.18**	0.08-0.18	0.06-0.08	0.08-0.09	**0.08-0.15**	0.08-0.15
0.08-0.14	0.10-0.18	**0.10-0.28**	0.10-0.28	0.08-0.14	0.10-0.18	**0.10-0.22**	0.10-0.22	0.08-0.09	0.10-0.12	**0.10-0.19**	0.08-0.19
0.08-0.14	0.10-0.20	**0.10-0.30**	0.10-0.30	0.08-0.14	0.10-0.20	**0.10-0.26**	0.10-0.26	0.08-0.09	0.10-0.13	**0.10-0.20**	0.10-0.20
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.28**	0.10-0.28	0.10-0.11	0.10-0.13	**0.10-0.21**	0.10-0.21
0.10-0.16	0.10-0.20	**0.10-0.34**	0.10-0.34	0.10-0.16	0.10-0.20	**0.10-0.30**	0.10-0.30	0.10-0.11	0.10-0.13	**0.10-0.23**	0.10-0.23
0.12-0.18	0.12-0.22	**0.12-0.34**	0.12-0.34	0.12-0.16	0.12-0.20	**0.12-0.30**	0.12-0.30				
0.12-0.18	0.12-0.22	**0.12-0.34**	0.12-0.34	0.12-0.16	0.12-0.20	**0.12-0.30**	0.12-0.30				
0.06-0.10		**0.06-0.15**		0.06-0.10		**0.06-0.12**		0.06-0.08		**0.06-0.10**	
0.06-0.10	0.06-0.12	**0.06-0.16**	0.06-0.16	0.06-0.10	0.06-0.12	**0.06-0.12**	0.06-0.12	0.06-0.07	0.06-0.08	**0.06-0.11**	0.06-0.11
0.06-0.12	0.08-0.14	**0.08-0.18**	0.08-0.18	0.06-0.12	0.08-0.14	**0.08-0.14**	0.08-0.14	0.06-0.08	0.08-0.09	**0.08-0.12**	0.08-0.12
0.08-0.14	0.10-0.16	**0.10-0.24**	0.10-0.24	0.08-0.14	0.10-0.16	**0.10-0.19**	0.10-0.19	0.08-0.09	0.10-0.11	**0.10-0.16**	0.08-0.16
0.08-0.14	0.10-0.18	**0.10-0.28**	0.10-0.28	0.08-0.14	0.10-0.18	**0.10-0.22**	0.10-0.22	0.08-0.09	0.10-0.12	**0.10-0.19**	0.10-0.19
0.10-0.16	0.10-0.20	**0.10-0.30**	0.10-0.30	0.10-0.16	0.10-0.20	**0.10-0.24**	0.10-0.24	0.10-0.11	0.10-0.13	**0.10-0.20**	0.10-0.20
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26	0.10-0.11	0.10-0.13	**0.10-0.21**	0.10-0.21
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26				
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26				
0.06-0.10		**0.06-0.15**		0.06-0.10		**0.06-0.13**		0.06-0.08		**0.06-0.10**	
0.06-0.10	0.06-0.12	**0.06-0.20**	0.06 - 0.20	0.06-0.10	0.06-0.12	**0.06-0.14**	0.06 - 0.14	0.06-0.07	0.06-0.08	**0.06-0.13**	0.06 - 0.13
0.06-0.12	0.08-0.14	**0.08-0.22**	0.08-0.22	0.06-0.12	0.08-0.14	**0.08-0.18**	0.08 - 0.18	0.06-0.08	0.08-0.09	**0.08-0.15**	0.08 - 0.15
0.08-0.14	0.10-0.18	**0.10-0.28**	0.10 - 0.28	0.08-0.14	0.10-0.18	**0.10-0.22**	0.10 - 0.22	0.08-0.09	0.10-0.12	**0.10-0.19**	0.10 - 0.19
0.08-0.14	0.10-0.20	**0.10-0.32**	0.10 - 0.32	0.08-0.14	0.10-0.20	**0.10-0.26**	0.10 - 0.26	0.08-0.09	0.10-0.13	**0.10-0.21**	0.10 - 0.21
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.28**	0.10-0.28	0.10-0.11	0.10-0.13	**0.10-0.21**	0.10-0.21
0.10-0.16	0.10-0.20	**0.10-0.34**	0.10-0.34	0.10-0.16	0.10-0.20	**0.10-0.30**	0.10-0.30	0.10-0.11	0.10-0.13	**0.10-0.23**	0.10-0.23
0.12-0.18	0.12-0.22	**0.12-0.34**	0.12-0.34	0.12-0.16	0.12-0.20	**0.12-0.30**	0.12-0.30				
0.12-0.18	0.12-0.22	**0.12-0.34**	0.12-0.34	0.12-0.16	0.12-0.20	**0.12-0.30**	0.12-0.30				
0.06-0.10		**0.06-0.15**		0.06-0.10		**0.06-0.12**		0.06-0.08		**0.06-0.10**	
0.06-0.10	0.06-0.12	**0.06-0.16**	0.06 - 0.16	0.06-0.10	0.06-0.12	**0.06-0.12**	0.06 - 0.12	0.06-0.07	0.06-0.08	**0.06-0.11**	0.06 - 0.11
0.06-0.12	0.08-0.14	**0.08-0.18**	0.08 - 0.18	0.06-0.12	0.08-0.14	**0.08-0.14**	0.08 - 0.14	0.06-0.08	0.08-0.09	**0.08-0.12**	0.08 - 0.12
0.08-0.14	0.10-0.16	**0.10-0.24**	0.10 - 0.24	0.08-0.14	0.10-0.16	**0.10-0.19**	0.10 - 0.19	0.08-0.09	0.10-0.11	**0.10-0.16**	0.10 - 0.16
0.08-0.14	0.10-0.18	**0.10-0.28**	0.10 - 0.28	0.08-0.14	0.10-0.18	**0.10-0.22**	0.10 - 0.22	0.08-0.09	0.10-0.12	**0.10-0.19**	0.10 - 0.19
0.10-0.16	0.10-0.20	**0.10-0.30**	0.10-0.30	0.10-0.16	0.10-0.20	**0.10-0.24**	0.10-0.24	0.10-0.11	0.10-0.13	**0.10-0.20**	0.10-0.20
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26	0.10-0.11	0.10-0.13	**0.10-0.21**	0.10-0.21
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26				
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26				
0.06-0.10		**0.06-0.15**		0.06-0.10		**0.06-0.12**		0.06-0.08		**0.06-0.10**	
0.06-0.10	0.06-0.12	**0.06-0.16**	0.06 - 0.16	0.06-0.10	0.06-0.12	**0.06-0.12**	0.06 - 0.12	0.06-0.07	0.06-0.08	**0.06-0.11**	0.06 - 0.11
0.06-0.12	0.08-0.14	**0.08-0.18**	0.08 - 0.18	0.06-0.12	0.08-0.14	**0.08-0.14**	0.08 - 0.14	0.06-0.08	0.08-0.09	**0.08-0.12**	0.08 - 0.12
0.08-0.14	0.10-0.16	**0.10-0.24**	0.10 - 0.24	0.08-0.14	0.10-0.16	**0.10-0.19**	0.10 - 0.19	0.08-0.09	0.10-0.11	**0.10-0.16**	0.10 - 0.16
0.08-0.14	0.10-0.18	**0.10-0.28**	0.10 - 0.28	0.08-0.14	0.10-0.18	**0.10-0.22**	0.10 - 0.22	0.08-0.09	0.10-0.12	**0.10-0.19**	0.10 - 0.19
0.10-0.16	0.10-0.20	**0.10-0.30**	0.10-0.30	0.10-0.16	0.10-0.20	**0.10-0.24**	0.10-0.24	0.10-0.11	0.10-0.13	**0.10-0.20**	0.10-0.20
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26	0.10-0.11	0.10-0.13	**0.10-0.21**	0.10-0.21
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26				
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26				
0.06-0.10		**0.06-0.15**		0.06-0.10		**0.06-0.12**		0.06-0.08		**0.06-0.10**	
0.06-0.10	0.06-0.12	**0.06-0.16**	0.06 - 0.16	0.06-0.10	0.06-0.12	**0.06-0.12**	0.06 - 0.12	0.06-0.07	0.06-0.08	**0.06-0.11**	0.06 - 0.11
0.06-0.12	0.08-0.14	**0.08-0.18**	0.08 - 0.18	0.06-0.12	0.08-0.14	**0.08-0.14**	0.08 - 0.14	0.06-0.08	0.08-0.09	**0.08-0.12**	0.08 - 0.12
0.08-0.14	0.10-0.16	**0.10-0.24**	0.10 - 0.24	0.08-0.14	0.10-0.16	**0.10-0.19**	0.10 - 0.19	0.08-0.09	0.10-0.11	**0.10-0.16**	0.10 - 0.16
0.08-0.14	0.10-0.18	**0.10-0.28**	0.10 - 0.28	0.08-0.14	0.10-0.18	**0.10-0.22**	0.10 - 0.22	0.08-0.09	0.10-0.12	**0.10-0.19**	0.10 - 0.19
0.10-0.16	0.10-0.20	**0.10-0.30**	0.10-0.30	0.10-0.16	0.10-0.20	**0.10-0.24**	0.10-0.24	0.10-0.11	0.10-0.13	**0.10-0.20**	0.10-0.20
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26	0.10-0.11	0.10-0.13	**0.10-0.21**	0.10-0.21
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26				
0.10-0.16	0.10-0.20	**0.10-0.32**	0.10-0.32	0.10-0.16	0.10-0.20	**0.10-0.26**	0.10-0.26				

CoroDrill® 880

Metric values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed v_c (m/min)	Drill diameter D_c mm
H	H1.3.Z.HA (04.1)	Hardened and tempered	47-65	4324 4334 4044	30-85 30-85 30-80	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
N	N1.2.Z.AG (30.12)	Al. alloys Wrought or wrought and aged	30-150	4044 H13A	300-385 300-400	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	N1.3.C.UT (30.21)	Cast, non-aging	40-100	4044 H13A	300-385 300-400	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	N1.3.C.AG (30.22)	Cast or cast and aged	70-140	4044 H13A	250-335 250-350	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	N3.3.U.UT (33.1)	Copper and copper alloys	70-160	4044 H13A	250-380 250-400	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50
	N3.2.C.UT (33.2)	Brass and leaded alloys (Pb < 1%)	50-200	4044 H13A	180-230 180-240	12.00-13.99 14.00-16.49 16.50-19.99 20.00-23.99 24.00-29.99 30.00-35.99 36.00-43.99 44.00-52.99 53.00-63.50

Note: Bold text is recommended geometry
Central insert grade is always 1044.

CoroDrill® 880

Geometry / Feed											
Drill length 2-3xD				Drill length 4xD				Drill length 5xD			
-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT
f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev	f_n mm/rev
0.04-0.08		**0.04-0.10**		0.04-0.08		**0.04-0.10**		0.04-0.05		**0.04-0.06**	
0.04-0.08	**0.04-0.12**	0.04-0.08	0.04 - 0.08	0.04-0.08	**0.04-0.10**	0.04-0.08	0.04 - 0.08	0.04-0.05	**0.04-0.08**	0.04-0.05	0.04 - 0.05
0.05-0.12	**0.06-0.14**	0.05-0.12	0.05 - 0.12	0.05-0.10	**0.06-0.12**	0.05-0.10	0.05 - 0.10	0.05-0.08	**0.06-0.09**	0.05-0.08	0.05 - 0.08
0.05-0.14	**0.06-0.18**	0.05-0.14	0.05 - 0.14	0.05-0.12	**0.06-0.15**	0.05-0.12	0.05 - 0.12	0.05-0.09	**0.06-0.12**	0.05-0.09	0.05 - 0.09
0.05-0.14	**0.06-0.18**	0.05-0.14	0.05 - 0.14	0.05-0.12	**0.06-0.15**	0.05-0.12	0.05 - 0.12	0.05-0.09	**0.06-0.12**	0.05-0.09	0.05 - 0.09
0.06-0.16	**0.06-0.20**	0.06-0.16	0.06-0.16	0.06-0.16	**0.06-0.18**	0.06-0.16	0.06-0.16	0.06-0.11	**0.06-0.13**	0.06-0.11	0.06-0.11
0.06-0.16	**0.06-0.20**	0.06-0.16	0.06-0.16	0.06-0.16	**0.06-0.18**	0.06-0.16	0.06-0.16	0.06-0.11	**0.06-0.13**	0.06-0.11	0.06-0.11
0.10-0.16	**0.10-0.20**	0.10-0.16	0.10-0.16	0.10-0.16	**0.10-0.18**	0.10-0.16	0.10-0.16				
0.10-0.16	**0.10-0.20**	0.10-0.16	0.10-0.16	0.10-0.16	**0.10-0.18**	0.10-0.16	0.10-0.16				
0.04-0.14		0.04-0.12		**0.04-0.12**		0.04-0.10		**0.04-0.08**		0.04-0.08	
0.04-0.14	0.04-0.12	0.04-0.12	0.04-0.14	**0.04-0.12**	0.04-0.10	0.04-0.10	0.04-0.12	**0.04-0.09**	0.04-0.08	0.04-0.08	0.04-0.09
0.04-0.16	0.04-0.14	0.04-0.14	0.04-0.16	**0.04-0.14**	0.04-0.12	0.04-0.12	0.04-0.14	**0.04-0.11**	0.04-0.09	0.04-0.09	0.04 - 0.11
0.06-0.18	0.06-0.16	0.06-0.16	0.06-0.18	**0.06-0.16**	0.06-0.14	0.06-0.14	0.06-0.16	**0.06-0.12**	0.06-0.11	0.06-0.11	0.06 - 0.12
0.10-0.20	0.10-0.18	0.10-0.18	0.10-0.20	**0.10-0.18**	0.10-0.16	0.10-0.16	0.10-0.18	**0.10-0.13**	0.10-0.12	0.10-0.12	0.10 - 0.13
0.10-0.25	0.10-0.20	0.10-0.20	0.10-0.25	**0.10-0.22**	0.10-0.18	0.10-0.16	0.10-0.22	**0.10-0.17**	0.10-0.13	0.10-0.13	0.10-0.17
0.10-0.25	0.10-0.20	0.10-0.20	0.10-0.25	**0.10-0.22**	0.10-0.20	0.10-0.16	0.10-0.22	**0.10-0.17**	0.10-0.13	0.10-0.13	0.10-0.17
0.12-0.28	0.12-0.22	0.12-0.22	0.12-0.28	**0.12-0.25**	0.12-0.22	0.12-0.18	0.12-0.25				
0.12-0.28	0.12-0.22	0.12-0.22	0.12-0.28	**0.12-0.25**	0.12-0.22	0.12-0.18	0.12-0.25				
0.04-0.12		0.04-0.12		**0.04-0.10**		0.04-0.10		**0.04-0.08**		0.04-0.08	
0.04-0.12	0.04-0.14	0.04-0.12	0.04 - 0.12	**0.04-0.10**	0.04-0.12	0.04-0.10	0.04 - 0.10	**0.04-0.08**	0.04-0.09	0.04-0.08	0.04 - 0.08
0.04-0.14	0.04-0.16	0.04-0.14	0.04 - 0.14	**0.04-0.12**	0.04-0.14	0.04-0.12	0.04 - 0.12	**0.04-0.09**	0.04-0.11	0.04-0.09	0.04 - 0.09
0.06-0.16	0.06-0.18	0.06-0.16	0.06 - 0.16	**0.06-0.14**	0.06-0.16	0.06-0.14	0.06 - 0.14	**0.06-0.11**	0.06-0.12	0.06-0.11	0.06 - 0.11
0.10-0.18	0.10-0.20	0.10-0.18	0.10 - 0.18	**0.10-0.16**	0.10-0.18	0.10-0.16	0.10 - 0.16	**0.10-0.12**	0.10-0.13	0.10-0.12	0.10 - 0.12
0.10-0.20	0.10-0.22	0.10-0.20	0.10-0.20	**0.10-0.18**	0.10-0.20	0.10-0.18	0.10-0.18	**0.10-0.13**	0.10-0.15	0.10-0.13	0.10-0.13
0.10-0.20	0.10-0.24	0.10-0.20	0.10-0.20	**0.10-0.18**	0.10-0.22	0.10-0.18	0.10-0.18	**0.10-0.13**	0.10-0.16	0.10-0.13	0.10-0.13
0.12-0.22	0.12-0.26	0.12-0.22	0.12-0.22	**0.12-0.20**	0.12-0.24	0.12-0.20	0.12-0.20				
0.12-0.22	0.12-0.26	0.12-0.22	0.12-0.22	**0.12-0.20**	0.12-0.24	0.12-0.20	0.12-0.20				
0.04-0.12		0.04-0.12		**0.04-0.10**		0.04-0.10		**0.04-0.08**		0.04-0.08	
0.04-0.12	0.04-0.14	0.04-0.12	0.04-0.12	**0.04-0.10**	0.04-0.12	0.04-0.10	0.04-0.10	**0.04-0.08**	0.04-0.09	0.04-0.08	0.04 - 0.08
0.04-0.14	0.04-0.16	0.04-0.14	0.04-0.14	**0.04-0.12**	0.04-0.14	0.04-0.12	0.04-0.12	**0.04-0.09**	0.04-0.11	0.04-0.09	0.04 - 0.09
0.06-0.16	0.06-0.18	0.06-0.16	0.06-0.16	**0.06-0.14**	0.06-0.16	0.06-0.14	0.06-0.14	**0.06-0.11**	0.06-0.12	0.06-0.11	0.06 - 0.11
0.10-0.18	0.10-0.20	0.10-0.18	0.10-0.18	**0.10-0.16**	0.10-0.18	0.10-0.16	0.10-0.16	**0.10-0.12**	0.10-0.13	0.10-0.12	0.10 - 0.12
0.10-0.20	0.10-0.22	0.10-0.20	0.10-0.20	**0.10-0.18**	0.10-0.20	0.10-0.18	0.10-0.18	**0.10-0.13**	0.10-0.15	0.10-0.13	0.10-0.13
0.10-0.20	0.10-0.24	0.10-0.20	0.10-0.20	**0.10-0.18**	0.10-0.22	0.10-0.18	0.10-0.18	**0.10-0.13**	0.10-0.16	0.10-0.13	0.10-0.13
0.12-0.22	0.12-0.26	0.12-0.22	0.12-0.22	**0.12-0.20**	0.12-0.24	0.12-0.20	0.12-0.20				
0.12-0.22	0.12-0.26	0.12-0.22	0.12-0.22	**0.12-0.20**		0.12-0.20	0.12-0.20				
0.04-0.14		0.04-0.12		**0.04-0.12**		0.04-0.10		**0.04-0.08**		0.04-0.08	
0.04-0.14	0.04-0.12	0.04-0.12	0.04-0.12	**0.04-0.12**	0.04-0.10	0.04-0.10	0.04-0.10	**0.04-0.09**	0.04-0.08	0.04-0.08	0.04 - 0.09
0.04-0.16	0.04-0.14	0.04-0.14	0.04-0.14	**0.04-0.14**	0.04-0.12	0.04-0.12	0.04-0.12	**0.04-0.11**	0.04-0.09	0.04-0.09	0.04 - 0.11
0.06-0.18	0.06-0.16	0.06-0.16	0.06-0.16	**0.06-0.16**	0.06-0.14	0.06-0.14	0.06-0.14	**0.06-0.12**	0.06-0.11	0.06-0.11	0.06 - 0.12
0.10-0.20	0.10-0.18	0.10-0.18	0.10-0.20	**0.10-0.18**	0.10-0.16	0.10-0.16	0.10-0.16	**0.10-0.13**	0.10-0.12	0.10-0.12	0.10 - 0.13
0.10-0.25	0.10-0.20	0.10-0.20	0.10-0.25	**0.10-0.22**	0.10-0.18	0.10-0.16	0.10-0.22	**0.10-0.17**	0.10-0.13	0.10-0.13	0.10-0.17
0.10-0.25	0.10-0.20	0.10-0.20	0.10-0.25	**0.10-0.22**	0.10-0.20	0.10-0.16	0.10-0.22	**0.10-0.17**	0.10-0.13	0.10-0.13	0.10-0.17
0.12-0.28	0.12-0.22	0.12-0.22	0.12-0.28	**0.12-0.25**	0.12-0.22	0.12-0.18	0.12-0.25				
0.12-0.28	0.12-0.22	0.12-0.22	0.12-0.28	**0.12-0.25**	0.12-0.22	0.12-0.18	0.12-0.25				

CoroDrill® 880

Inch values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed (ft/min)	Drill diameter D_c inch
P	P1.0.Z.AN (01.0)	Non hardened 0.05-0.10% C	90-200	4324	760-1310	.472-.550
						.551-.649
						.650-.787
				4334	690-1065	.788-.944
				4044	620-770	.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500
	P1.0.Z.AN (01.1)	Non hardened 0.05-0.25% C	90-200	4324	750-1210	.472-.550
						.551-.649
						.650-.787
				4334	650-1000	.788-.944
				4044	550-740	.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500
	P1.2.Z.AN (01.2)	Non hardened 0.25-0.55% C	125-225	4324	620-1000	.472-.550
						.551-.649
						.650-.787
				4334	510-820	.788-.944
				4044	395-590	.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500
	P1.3.Z.AN (01.3)	Non hardened 0.55-0.80% C	150-250	4324	560-950	.472-.550
						.551-.649
						.650-.787
				4334	460-790	.788-.944
				4044	345-580	.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500
	P1.3.Z.AN (01.4)	High carbon and carbon tool steel	180-275	4324	660-950	.472-.550
						.551-.649
						.650-.787
				4334	510-790	.788-.944
				4044	345-560	.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500
	P2.1.Z.AN (02.1)	Low alloy steel (Non-hardened)	150-260	4324	590-1000	.472-.550
						.551-.649
						.650-.787
				4334	490-820	.788-.944
				4044	375-590	.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500
	P2.5.Z.HT (02.2)	Hardened steel	220-450	4324	295-805	.472-.550
						.551-.649
						.650-.787
				4334	280-640	.788-.944
				4044	245-460	.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500

Note: Bold text is recommended geometry
Central insert grade is always 1044.

CoroDrill® 880

Geometry / Feed												
Drill length 2-3xD				Drill length 4xD				Drill length 5xD			
-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT
f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.
.002-.003		.001-.002		**.002-.003**		.001-.002		**.001-.002**		.001-.002	
.002-.003	.001-.002	.001-.002	.002-.003	**.002-.003**	.001-.002	.001-.002	.002-.003	**.001-.002**	.001-.002	.001-.002	.001-.002
.002-.004	.001-.002	.001-.002	.002-.004	**.002-.004**	.001-.002	.001-.002	.002-.004	**.002-.003**	.001-.002	.001-.002	.002-.003
.002-.005	.002-.003	.002-.003	.002-.005	**.002-.005**	.002-.003	.002-.003	.002-.005	**.002-.003**	.001-.002	.001-.002	.002-.003
.002-.005	.002-.003	.002-.003	.002-.005	**.002-.005**	.002-.003	.002-.003	.002-.005	**.002-.003**	.001-.002	.001-.002	.002-.003
.002-.006	.002-.004	.002-.004	.002-.006	**.002-.005**	.002-.004	.002-.004	.002-.005	**.002-.004**	.002-.003	.002-.003	.002-.004
.002-.006	.002-.004	.002-.004	.002-.006	**.002-.006**	.002-.004	.002-.004	.002-.006	**.002-.004**	.002-.003	.002-.003	.002-.004
.003-.006	.003-.005	.003-.005	.003-.006	**.003-.006**	.003-.005	.003-.005	.003-.006				
.003-.006	.003-.005	.003-.005	.003-.006	**.003-.006**	.003-.005	.003-.005	.003-.006				
.002-.004		.001-.002		**.002-.003**		.001-.002		**.002-.003**		.001-.002	
.002-.004	.001-.002	.001-.002	.002-.004	**.002-.004**	.001-.002	.001-.002	.002-.004	**.002-.003**	.001-.002	.001-.002	.002-.003
.002-.005	.001-.002	.001-.002	.002-.005	**.002-.005**	.001-.002	.001-.002	.002-.005	**.002-.003**	.001-.002	.001-.002	.002-.003
.002-.006	.002-.004	.002-.003	.002-.006	**.002-.006**	.002-.004	.002-.003	.002-.006	**.002-.004**	.002-.003	.001-.002	.002-.004
.002-.006	.002-.004	.002-.003	.002-.006	**.002-.006**	.002-.004	.002-.003	.002-.006	**.002-.004**	.002-.003	.001-.002	.002-.004
.002-.006	.002-.005	.002-.004	.002-.006	**.002-.006**	.002-.004	.002-.004	.002-.006	**.002-.004**	.002-.003	.002-.003	.002-.004
.002-.006	.002-.005	.002-.004	.002-.006	**.002-.006**	.002-.004	.002-.004	.002-.006	**.002-.004**	.002-.003	.002-.003	.002-.004
.003-.006	.003-.005	.003-.005	.003-.006	**.003-.006**	.003-.005	.003-.005	.003-.006				
.003-.006	.003-.005	.003-.005	.003-.006	**.003-.006**	.003-.005	.003-.005	.003-.006				
.002-.004		**.002-.006**		.002-.004		**.002-.005**		.002-.003		**.002-.005**	
.002-.004	.002-.004	**.002-.008**	.002-.008	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.005**	.002-.005
.002-.006	.002-.006	**.002-.009**	.002-.009	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.006**	.002-.006
.002-.007	.002-.007	**.002-.010**	.002-.010	.002-.007	.002-.007	**.002-.008**	.002-.008	.002-.005	.002-.005	**.002-.007**	.002-.007
.002-.007	.003-.007	**.003-.012**	.003-.012	.002-.007	.003-.007	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.013**	.003-.013	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.013**	.003-.013	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.009**	.003-.009
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.008	.004-.008	**.004-.009**	.004-.009				
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.008	.004-.008	**.004-.009**	.004-.009				
.002-.004		**.002-.006**		.002-.004		**.002-.005**		.002-.003		**.002-.005**	
.002-.004	.002-.004	**.002-.008**	.002-.008	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.005**	.002-.005
.002-.006	.002-.006	**.002-.009**	.002-.009	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.006**	.002-.006
.002-.007	.002-.007	**.002-.010**	.002-.010	.002-.007	.002-.007	**.002-.008**	.002-.008	.002-.005	.002-.005	**.002-.007**	.002-.007
.002-.007	.003-.007	**.003-.012**	.003-.012	.002-.007	.003-.007	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.013**	.003-.013	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.013**	.003-.013	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.009**	.003-.009
.002-.009	.003-.009	**.003-.013**	.004-.013	.002-.008	.003-.008	**.003-.009**	.003-.009				
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.008	.004-.008	**.004-.009**	.004-.009				
.002-.004		**.002-.006**		.002-.004		**.002-.005**		.002-.004		**.002-.005**	
.002-.004	.002-.004	**.002-.007**	.002-.007	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.005**	.002-.005
.002-.006	.002-.006	**.002-.009**	.002-.009	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.006**	.002-.006
.002-.007	.002-.007	**.002-.010**	.002-.010	.002-.007	.002-.007	**.002-.008**	.002-.008	.002-.005	.002-.005	**.002-.007**	.002-.007
.002-.007	.003-.007	**.003-.012**	.003-.012	.002-.007	.003-.007	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.013**	.003-.013	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.013**	.003-.013	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.009**	.003-.009
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.008	.004-.008	**.004-.009**	.004-.009				
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.008	.004-.008	**.004-.009**	.004-.009				
.002-.004		**.002-.006**		.002-.004		**.002-.005**		.002-.003		**.002-.004**	
.002-.004	.002-.004	**.002-.008**	.002-.008	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.005**	.002-.005
.002-.006	.002-.006	**.002-.009**	.002-.009	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.006**	.002-.006
.002-.007	.002-.007	**.002-.010**	.002-.010	.002-.007	.002-.007	**.002-.008**	.002-.008	.002-.005	.002-.005	**.002-.007**	.002-.007
.002-.007	.003-.007	**.003-.012**	.003-.012	.002-.007	.003-.007	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.013**	.003-.013	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.013**	.003-.013	.002-.009	.003-.009	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.009**	.003-.009
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.008	.004-.008	**.004-.009**	.004-.009				
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.008	.004-.008	**.004-.009**	.004-.009				
				.002-.004		**.002-.005**		.002-.003		**.002-.004**	
.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.004**	.002-.004
.002-.006	.002-.006	**.002-.008**	.002-.008	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.005**	.002-.005
.002-.007	.002-.007	**.002-.009**	.002-.009	.002-.007	.002-.007	**.002-.008**	.002-.008	.002-.005	.002-.005	**.002-.006**	.002-.006
.002-.007	.003-.007	**.003-.010**	.003-.012	.002-.007	.003-.007	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.007**	.003-.007
.002-.009	.003-.009	**.003-.012**	.003-.012	.002-.008	.003-.008	**.003-.008**	.003-.008	.002-.006	.003-.006	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.012**	.003-.012	.002-.009	.003-.009	**.003-.008**	.003-.008	.002-.006	.003-.006	**.003-.008**	.003-.008
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.009	.004-.009	**.004-.009**	.004-.009				
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.009	.004-.009	**.004-.009**	.004-.009				

CoroDrill® 880

Inch values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed (ft/min)	Drill diameter D_c inch
P	P3.0.Z.AN (03.11)	High alloy steel (Annealed)	150-250	4324	520-950	.472-.550
						.551-.649
				4334	425-790	.650-.787
				4044	325-560	.788-.944
						.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500
	P3.0.Z.HT (03.21)	Hardened steel	250-350	4324	265-690	.472-.550
						.551-.649
				4334	245-575	.650-.787
				4044	230-410	.788-.944
						.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500
	P1.5.C.UT (06.1)	Steel castings (Unalloyed)	90-225	4324	455-1065	.472-.550
						.551-.649
				4334	440-870	.650-.787
				4044	405-620	.788-.944
						.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500
	P2.6.C.UT (06.2)	Low alloyed (alloying elements less than 5%)	150-250	4324	360-870	.472-.550
						.551-.649
				4334	345-690	.650-.787
				4044	325-490	.788-.944
						.945-1.181
						1.182-1.417
						1.418-1.732
						1.733-2.086
						2.087-2.500

Note: Bold text is recommended geometry
Central insert grade is always 1044.

CoroDrill® 880

Geometry / Feed												
Drill length 2-3xD				Drill length 4xD				Drill length 5xD			
-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT
f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.
.002-.004		**.002-.006**		.002-.004		**.002-.005**		.002-.003		**.002-.004**	
.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.004**	.002-.004
.002-.006	.002-.006	**.002-.008**	.002-.008	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.005**	.002-.005
.002-.007	.002-.007	**.002-.009**	.002-.009	.002-.007	.002-.007	**.002-.008**	.002-.008	.002-.005	.002-.005	**.002-.006**	.002-.006
.002-.007	.003-.007	**.003-.010**	.003-.010	.002-.007	.003-.007	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.007**	.003-.007
.002-.009	.003-.009	**.003-.012**	.003-.012	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.012**	.003-.012	.002-.009	.003-.009	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.008**	.003-.008
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.009	.004-.009	**.004-.009**	.004-.009				
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.009	.004-.009	**.004-.009**	.004-.009				
.002-.004		**.002-.005**		.002-.004		**.002-.004**		.002-.003		**.002-.004**	
.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.004**	.002-.004
.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.004**	.002-.004
.002-.007	.002-.007	**.002-.007**	.002-.008	.002-.007	.002-.007	**.002-.008**	.002-.008	.002-.005	.002-.005	**.002-.005**	.002-.005
.002-.007	.003-.007	**.003-.009**	.003-.010	.002-.007	.003-.007	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.006**	.003-.006
.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.006**	.003-.006
.002-.009	.003-.009	**.003-.010**	.003-.010	.002-.009	.003-.009	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.007**	.003-.007
.004-.009	.004-.009	**.004-.010**	.004-.010	.004-.009	.004-.009	**.004-.009**	.004-.009				
.004-.009	.004-.009	**.004-.010**	.004-.010	.004-.009	.004-.009	**.004-.009**	.004-.009				
.002-.003		**.002-.005**		.002-.003		**.002-.005**		.001-.002		**.002-.003**	
.002-.003	.002-.003	**.002-.005**	.002-.005	.002-.003	.002-.003	**.002-.005**	.002-.005	.001-.002	.001-.002	**.002-.003**	.002-.003
.002-.003	.002-.003	**.002-.005**	.002-.005	.002-.003	.002-.003	**.002-.005**	.002-.005	.001-.002	.001-.002	**.002-.003**	.002-.003
.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.004**	.002-.004
.002-.004	.002-.004	**.002-.006**	.003-.009	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.004**	.002-.004
.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.004**	.002-.004
.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.004**	.002-.004
.003-.006	.003-.006	**.003-.006**	.003-.006	.003-.006	.003-.006	**.003-.006**	.003-.006				
.003-.006	.003-.006	**.003-.006**	.003-.006	.003-.006	.003-.006	**.003-.006**	.003-.006				
.002-.004		**.002-.006**		.002-.004		**.002-.005**		.002-.003		**.002-.004**	
.002-.004	.002-.004	**.002-.008**	.002-.008	.002-.004	.002-.004	**.002-.006**	.002-.006	.002-.003	.002-.003	**.002-.005**	.002-.005
.002-.006	.002-.006	**.002-.009**	.002-.009	.002-.006	.002-.006	**.002-.006**	.002-.006	.002-.004	.002-.004	**.002-.006**	.002-.006
.002-.007	.002-.007	**.002-.010**	.002-.010	.002-.007	.002-.007	**.002-.008**	.002-.008	.002-.005	.002-.005	**.002-.007**	.002-.007
.002-.007	.003-.007	**.003-.012**	.003-.012	.002-.007	.003-.007	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.008**	.003-.008
.002-.008	.003-.008	**.003-.013**	.003-.013	.002-.008	.003-.008	**.003-.009**	.003-.009	.002-.005	.003-.005	**.003-.008**	.003-.008
.002-.009	.003-.009	**.003-.013**	.003-.013	.002-.009	.003-.009	**.003-.009**	.003-.009	.002-.006	.003-.006	**.003-.009**	.003-.009
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.009	.004-.009	**.004-.009**	.004-.009				
.004-.009	.004-.009	**.004-.013**	.004-.013	.004-.009	.004-.009	**.004-.009**	.004-.009				

CoroDrill® 880

Inch values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed (ft/min)	Drill diameter D_c inch	Geometry/feed (f_n inch/rev.) Drill length 2-3xD -LM	-MS[1]	-GM
M	P5.0.Z.AN (05.11)	Stainless steel Ferritic/Martensitic 13-25% Cr	150-270	4324	390-920	.472-.550	.002-.005	**.002-.005**	
				4334	375-740	.551-.649	.002-.006	**.002-.006**	.002-.004
				4044	375-540	.650-.787	.002-.007	**.002-.007**	.002-.004
				2044	375-540	.788-.944	.002-.008	**.002-.008**	.002-.006
						.945-1.181	.002-.008	**.002-.008**	.002-.006
						1.182-1.417	.002-.008	**.002-.008**	.002-.007
						1.418-1.732	.002-.008	**.002-.008**	.002-.007
						1.733-2.086	.004-.010	**.004-.010**	.004-.008
						2.087-2.500	.004-.010	**.004-.010**	.004-.008
	M1.0.Z.AQ (05.21)	Austenitic Ni > 8%, 13-25% Cr	150-275	4324	390-870	.472-.550	.002-.005	**.002-.005**	
				4334	375-740	.551-.649	.002-.006	**.002-.006**	.002-.004
				4044	375-590	.650-.787	.002-.006	**.002-.006**	.002-.004
				2044	375-590	.788-.944	.002-.007	**.002-.007**	.002-.005
						.945-1.181	.002-.007	**.002-.007**	.002-.005
						1.182-1.417	.002-.008	**.002-.008**	.002-.007
						1.418-1.732	.002-.008	**.002-.008**	.002-.007
						1.733-2.086	.004-.008	**.004-.008**	.004-.007
						2.087-2.500	.004-.008	**.004-.008**	.004-.007
	M3.1.Z.AQ (05.51) M3.2.Z.AQ (05.52)	Austenitic/Ferritic (Duplex)	200-320	4324	295-510	.472-.550	.002-.005	**.002-.005**	
				4334	280-475	.551-.649	.002-.006	**.002-.006**	.002-.004
				4044	280-410	.650-.787	.002-.006	**.002-.006**	.002-.004
				2044	280-410	.788-.944	.002-.007	**.002-.007**	.002-.005
						.945-1.181	.002-.007	**.002-.007**	.002-.005
						1.182-1.417	.002-.008	**.002-.008**	.002-.007
						1.418-1.732	.002-.008	**.002-.008**	.002-.007
						1.733-2.086	.004-.008	**.004-.008**	.004-.007
						2.087-2.500	.004-.008	**.004-.008**	.004-.007
	M1.0.C.UT (15.21)	Austenitic castings	150-250	4324	495-690	.472-.550	.002-.005	**.002-.005**	
				4334	380-605	.551-.649	.002-.005	**.002-.005**	.002-.004
				4044	265-510	.650-.787	.002-.006	**.002-.006**	.002-.004
				2044	265-510	.788-.944	.002-.007	**.002-.007**	.002-.005
						.945-1.181	.002-.007	**.002-.007**	.002-.005
						1.182-1.417	.002-.008	**.002-.008**	.002-.007
						1.418-1.732	.002-.008	**.002-.008**	.002-.007
						1.733-2.086	.004-.008	**.004-.008**	.004-.007
						2.087-2.500	.004-.008	**.004-.008**	.004-.007
S	S2.0.Z.AN (20.21) S2.0.Z.AG (20.22) S2.0.C.NS (20.24)	Heat resistant alloys, Ni based	140-425	4044	65-290	.472-.550	**.002-.004**	.002-.004	
				H13A	50-290	.551-.649	**.002-.004**	.002-.004	.002-.004
				2044	65-290	.650-.787	**.002-.004**	.002-.004	.002-.004
						.788-.944	**.002-.004**	.002-.004	.002-.004
						.945-1.181	**.002-.004**	.002-.004	.002-.005
						1.182-1.417	**.002-.005**	.002-.005	.002-.005
						1.418-1.732	**.002-.005**	**.002-.005**	.002-.005
						1.733-2.086	**.002-.005**	**.002-.005**	.002-.005
						2.087-2.500	**.003-.006**	.003-.006	.003-.006
	S4.2.Z.AN (23.21) S4.3.Z.AG (23.22)	Titanium: α, near α and α+ β alloys in annealed condition Titanium: α+ β alloys in aged condition, β alloys in annealed or aged condition	RM (Mpa) 600-1500	4044 H13A 2044	135-440 135-440 135-440	.472-.550	**.002-.006**	.002-.006	
						.551-.649	**.002-.006**	.002-.006	.002-.005
						.650-.787	**.003-.007**	.003-.007	.003-.006
						.788-.944	**.003-.007**	.003-.007	.003-.006
						.945-1.181	**.005-.008**	.005-.008	.004-.007
						1.182-1.417	**.005-.008**	.005-.008	.004-.008
						1.418-1.732	**.005-.008**	.005-.008	.004-.008
						1.733-2.086	**.005-.008**	.005-.008	.004-.008
						2.087-2.500	**.006-.008**	.006-.008	.006-.008

Note: Bold text is recommended geometry
[1] -MS geometry is only available in GC2044
GC1044 is the universal central insert grade for all materials
GC1144 is the optimized central insert grade for ISO M materials

CoroDrill® 880

Geometry/feed (f_n inch/rev.)											
Drill length 2-3xD		Drill length 4xD					Drill length 5xD				
-GR	-GT	-LM	-MS[1)]	-GM	-GR	-GT	-LM	-MS[1)]	-GM	-GR	-GT
.002-.004		.002-.004	**.002-.004**		.002-.004		.002-.004	**.002-.004**		.001-.002	
.002-.004	.002-.006	.002-.005	**002-.005**	.002-.004	.002-.004	.002-.005	.002-.004	**.002-.004**	.002-.003	.002-.003	.002-.004
.002-.004	.002-.007	.002-.006	**002-.006**	.002-.004	.002-.004	.002-.006	.002-.005	**.002-.005**	.002-.003	.002-.003	.002-.005
.002-.006	.002-.008	.002-.007	**.002-.007**	.002-.006	.002-.006	.002-.007	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005
.002-.006	.002-.008	.002-.007	**.002-.007**	.002-.006	.002-.006	.002-.007	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005
.002-.007	.002-.008	.002-.008	**.002-.008**	.002-.007	.002-.007	.002-.008	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006
.002-.007	.002-.008	.002-.008	**.002-.008**	.002-.007	.002-.007	.002-.008	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006
.004-.008	.004-.010	.004-.008	**.004-.008**	.004-.007	.004-.007	.004-.008					
.004-.008	.004-.010	.004-.008	**.004-.008**	.004-.007	.004-.007	.004-.008					
.002-.004		.002-.004	**.002-.004**		.002-.004		**.002-.004**			.001-.002	
.002-.004	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005	.002-.004	**.002-.004**	.002-.003	.002-.003	.002-.004
.002-.004	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005	.002-.004	**.002-.004**	.002-.003	.002-.003	.002-.004
.002-.005	.002-.007	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005
.002-.005	.002-.007	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005
.002-.007	.002-.008	.002-.007	**.002-.007**	.002-.007	.002-.007	.002-.007	.002-.005	**.002-.005**	.002-.005	.002-.005	.002-.005
.002-.007	.002-.008	.002-.007	**.002-.007**	.002-.007	.002-.007	.002-.007	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006
.004-.007	.004-.008	.004-.007	**.004-.007**	.004-.007	.004-.007	.004-.007					
.004-.007	.004-.008	.004-.007	**.004-.007**	.004-.007	.004-.007	.004-.007					
.002-.004		.002-.004	**.002-.004**		.002-.004		.002-.004	**.002-.004**		.001-.002	
.002-.004	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005	.002-.004	**.002-.004**	.002-.003	.002-.003	.002-.004
.002-.004	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005	.002-.004	**.002-.004**	.002-.003	.002-.003	.002-.004
.002-.005	.002-.007	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005
.002-.005	.002-.007	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005
.002-.007	.002-.008	.002-.008	**.002-.008**	.002-.007	.002-.007	.002-.008	.002-.005	**.002-.005**	.002-.005	.002-.005	.002-.005
.002-.007	.002-.008	.002-.008	**.002-.008**	.002-.007	.002-.007	.002-.008	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006
.004-.007	.004-.008	.004-.007	**.004-.007**	.004-.007	.004-.007	.004-.007					
.004-.007	.004-.008	.004-.007	**.004-.007**	.004-.007	.004-.007	.004-.007					
.002-.004		.002-.004	**.002-.004**		.002-.004		.002-.004	**.002-.004**		.001-.002	
.002-.004	.002-.005	.002-.004	**.002-.004**	.002-.004	.002-.004	.002-.004	.002-.004	**.002-.004**	.002-.003	.002-.003	.002-.004
.002-.004	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005	.002-.004	**.002-.004**	.002-.003	.002-.003	.002-.004
.002-.005	.002-.007	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005
.002-.005	.002-.007	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005
.002-.007	.002-.008	.002-.007	**.002-.007**	.002-.007	.002-.007	.002-.007	.002-.005	**.002-.005**	.002-.005	.002-.005	.002-.005
.002-.007	.002-.008	.002-.007	**.002-.007**	.002-.007	.002-.007	.002-.007	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006
.004-.007	.004-.008	.004-.007	**.004-.007**	.004-.007	.004-.007	.004-.007					
.004-.007	.004-.008	.004-.007	**.004-.007**	.004-.007	.004-.007	.004-.007					
.002-.004		**.002-.004**	.002-.004		.002-.004		**.001-.002**	.001-.002		.001-.002	
.002-.004	.002-.004	**.002-.004**	.002-.004	.002-.004	.002-.004	.002-.004	**.002-.003**	.002-.003	.002-.003	.002-.003	.002-.003
.002-.004	.002-.004	**.002-.004**	.002-.004	.002-.004	.002-.004	.002-.004	**.002-.003**	.002-.003	.002-.003	.002-.003	.002-.003
.002-.004	.002-.004	**.002-.004**	.002-.004	.002-.004	.002-.004	.002-.004	**.002-.003**	.002-.003	.002-.003	.002-.003	.002-.003
.002-.004	.002-.004	**.002-.004**	.002-.004	.002-.004	.002-.004	.002-.004	**.002-.003**	.002-.003	.002-.004	.002-.003	.002-.003
.002-.005	.002-.005	**.002-.005**	.002-.005	.002-.005	.002-.005	.002-.005	**.002-.004**	.002-.004	.002-.004	.002-.004	.002-.004
.002-.005	.002-.005	**.002-.005**	.002-.005	.002-.005	.002-.005	.002-.005	**.002-.004**	.002-.004	.002-.004	.002-.004	.002-.004
.002-.005	.002-.005	**.002-.005**	.002-.005	.002-.005	.003-.005	.002-.005					
.003-.005	.003-.006	**.003-.006**	.003-.006	.003-.006	.003-.005	.003-.006					
.002-.004		**.002-.005**	.002-.005		.002-.004		**.002-.004**	.002-.004		.002-.004	
.002-.004	.002-.004	**.002-.005**	.002-.005	.002-.004	.003-.005	.002-.004	**.002-.004**	.002-.004	.002-.004	.002-.003	.002-.003
.003-.005	.003-.005	**.003-.006**	.003-.006	.002-.005	.003-.005	.003-.005	**.003-.005**	.003-.005	.003-.004	.003-.004	.003-.004
.003-.005	.003-.005	**.003-.006**	.003-.006	.002-.005	.004-.006	.003-.005	**.003-.005**	.003-.005	.003-.004	.003-.004	.003-.004
.004-.006	.004-.006	**.004-.007**	.004-.007	.003-.006	.004-.007	.004-.006	**.004-.005**	.004-.005	.004-.005	.003-.004	.003-.004
.004-.007	.005-.008	**.005-.008**	.005-.008	.004-.007	.004-.007	.005-.008	**.004-.005**	.004-.005	.004-.005	.004-.005	.004-.005
.004-.007	.005-.008	**.005-.008**	.005-.008	.004-.007	.005-.007	.005-.008	**.004-.005**	.004-.005	.004-.005	.004-.005	.004-.005
.004-.007	.005-.008	**.005-.008**	.005-.008	.004-.007	.005-.007	.005-.008					
.005-.007	.006-.008	**.006-.008**	.006-.008	.006-.007	.005-.007	.006-.008					

CoroDrill® 880

Inch values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed (ft/min)	Drill diameter D_c inch
K	K1.1.C.NS (07.1)	Malleable cast iron Ferritic (Short chipping)	110-145	4324 4334 4044	460-805 360-655 260-475	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
	K1.1.C.NS (07.2)	Pearlitic (long chipping)	150-270	4324 4334 4044	345-590 280-495 210-345	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
	K2.1.C.UT (08.1)	Gray cast iron: Low tensile strength	150-220	4324 4334 4044	690-1065 560-885 430-640	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
	K2.2.C.UT (08.2)	High tensile strength	200-330	4324 4334 4044	410-805 325-640 245-460	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
	K3.1.C.UT (09.1)	Nodular cast iron (Ferritic)	150-230	4324 4334 4044	410-740 325-605 260-440	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
	K3.3.C.UT (09.2)	Pearlitic	200-330	4324 4334 4044	360-690 295-575 230-410	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500

Note: Bold text is recommended geometry
Central insert grade is always 1044.

CoroDrill® 880

Geometry / Feed												
Drill length 2-3xD				Drill length 4xD				Drill length 5xD			
-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT
f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.
.002-.004		**.002-.006**		.002-.004		**.002-.006**		.002-.004		**.002-.004**	
.002-.004	.002-.005	**.002-.008**	.002-.008	.002-.004	.002-.005	**.002-.006**	.002-.006	.002-.003	.002-.004	**.002-.006**	.002-.006
.002-.005	.003-.006	**.003-.009**	.003-.009	.002-.005	.003-.006	**.003-.008**	.003-.008	.002-.004	.003-.004	**.003-.006**	.003-.006
.003-.006	.004-.008	**.004-.012**	.004-.012	.003-.006	.004-.008	**.004-.009**	.004-.009	.003-.004	.004-.005	**.004-.008**	.004-.008
.003-.006	.004-.008	**.004-.012**	.004-.012	.003-.006	.004-.008	**.004-.011**	.004-.011	.003-.004	.004-.006	**.004-.008**	.004-.008
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.012**	.004-.012	.004-.005	.004-.006	**.004-.009**	.004-.009
.004-.007	.004-.008	**.004-.014**	.004-.014	.004-.007	.004-.008	**.004-.012**	.004-.012	.004-.005	.004-.006	**.004-.009**	.004-.009
.005-.008	.005-.009	**.005-.014**	.005-.014	.005-.007	.005-.008	**.005-.012**	.005-.012				
.005-.008	.005-.009	**.005-.014**	.005-.014	.005-.007	.005-.008	**.005-.012**	.005-.012				
.002-.004		**.002-.006**		.002-.004		**.002-.005**		.002-.004		**.002-.004**	
.002-.004	.002-.005	**.002-.007**	.002-.007	.002-.004	.002-.005	**.002-.005**	.002-.005	.002-.003	.002-.004	**.002-.005**	.002-.005
.002-.005	.003-.006	**.003-.008**	.003-.008	.002-.005	.003-.006	**.003-.006**	.003-.006	.002-.004	.003-.004	**.003-.005**	.003-.005
.003-.006	.004-.007	**.004-.010**	.004-.010	.003-.006	.004-.007	**.004-.008**	.004-.008	.003-.004	.004-.005	**.004-.007**	.004-.007
.003-.006	.004-.008	**.004-.012**	.004-.012	.003-.006	.004-.008	**.004-.009**	.004-.009	.003-.004	.004-.005	**.004-.008**	.004-.008
.004-.007	.004-.008	**.004-.012**	.004-.012	.004-.007	.004-.008	**.004-.010**	.004-.010	.004-.005	.004-.006	**.004-.008**	.004-.008
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.011**	.004-.011	.004-.005	.004-.006	**.004-.009**	.004-.009
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.011**	.004-.011				
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.011**	.004-.011				
.002-.004		**.002-.006**		.002-.004		**.002-.006**		.002-.004		**.002-.004**	
.002-.004	.002-.005	**.002-.008**	.002-.008	.002-.004	.002-.005	**.002-.006**	.002-.006	.002-.003	.002-.004	**.002-.006**	.002-.006
.002-.005	.003-.006	**.003-.009**	.003-.009	.002-.005	.003-.006	**.003-.008**	.003-.008	.002-.004	.003-.004	**.003-.006**	.003-.006
.003-.006	.004-.008	**.004-.012**	.004-.012	.003-.006	.004-.008	**.004-.009**	.004-.009	.003-.004	.004-.005	**.004-.008**	.004-.008
.003-.006	.004-.008	**.004-.013**	.004-.013	.003-.006	.004-.008	**.004-.011**	.004-.011	.003-.004	.004-.006	**.004-.009**	.004-.009
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.012**	.004-.012	.004-.005	.004-.006	**.004-.009**	.004-.009
.004-.007	.004-.008	**.004-.014**	.004-.014	.004-.007	.004-.008	**.004-.012**	.004-.012	.004-.005	.004-.006	**.004-.009**	.004-.009
.005-.008	.005-.009	**.005-.014**	.005-.014	.005-.007	.005-.008	**.005-.012**	.005-.012				
.005-.008	.005-.009	**.005-.014**	.005-.014	.005-.007	.005-.008	**.005-.012**	.005-.012				
.002-.004		**.002-.006**		.002-.004		**.002-.005**		.002-.004		**.002-.004**	
.002-.004	.002-.005	**.002-.007**	.002-.007	.002-.004	.002-.005	**.002-.005**	.002-.005	.002-.003	.002-.004	**.002-.005**	.002-.005
.002-.005	.003-.006	**.003-.008**	.003-.008	.002-.005	.003-.006	**.003-.006**	.003-.006	.002-.004	.003-.004	**.003-.005**	.003-.005
.003-.006	.004-.007	**.004-.010**	.004-.010	.003-.006	.004-.007	**.004-.008**	.004-.008	.003-.004	.004-.005	**.004-.007**	.004-.007
.003-.006	.004-.008	**.004-.012**	.004-.012	.003-.006	.004-.008	**.004-.009**	.004-.009	.003-.004	.004-.005	**.004-.008**	.004-.008
.004-.007	.004-.008	**.004-.012**	.004-.012	.004-.007	.004-.008	**.004-.010**	004-.010	.004-.005	.004-.006	**.004-.008**	.004-.008
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.011**	004-.011	.004-.005	.004-.006	**.004-.009**	.004-.009
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.011**	004-.011				
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.011**	004-.011				
.002-.004		**.002-.006**		.002-.004		**.002-.005**		.002-.004		**.002-.004**	
.002-.004	.002-.005	**.002-.007**	.002-.007	.002-.004	.002-.005	**.002-.005**	.002-.005	.002-.003	.002-.004	**.002-.005**	.002-.005
.002-.005	.003-.006	**.003-.008**	.003-.008	.002-.005	.003-.006	**.003-.006**	.003-.006	.002-.004	.003-.004	**.003-.005**	.003-.005
.003-.006	.004-.007	**.004-.010**	.004-.010	.003-.006	.004-.007	**.004-.008**	.004-.008	.003-.004	.004-.005	**.004-.007**	.004-.007
.003-.006	.004-.008	**.004-.012**	.004-.012	.003-.006	.004-.008	**.004-.009**	.004-.009	.003-.004	.004-.005	**.004-.008**	.004-.008
.004-.007	.004-.008	**.004-.012**	.004-.012	.004-.007	.004-.008	**.004-.010**	004-.010	.004-.005	.004-.006	**.004-.008**	.004-.008
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.011**	004-.011	.004-.005	.004-.006	**.004-.009**	.004-.009
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.011**	004-.011				
.004-.007	.004-.008	**.004-.013**	.004-.013	.004-.007	.004-.008	**.004-.011**	004-.011				

CoroDrill® 880

Inch values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed (ft/min)	Drill diameter D_c inch
H	H1.3.Z.HA (04.1)	Hardened and tempered	450	4324 4334 4044	100-280 100-280 100-265	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
N	N1.2.Z.AG (30.12)	Al. alloys Wrought or wrought and aged	30-150	4044 H13A	980-1250 980-1300	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
	N1.3.C.UT (30.21)	Cast, non-aging	40-100	4044 H13A	980-1250 980-1300	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
	N1.3.C.AG (30.22)	Cast or cast and aged	70-140	4044 H13A	820-1100 820-1150	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
	N3.3.U.UT (33.1)	Copper and copper alloys	70-160	4044 H13A	820-1250 820-1300	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500
	N3.2.C.UT (33.2)	Brass and leaded alloys (Pb < 1%)	50-200	4044 H13A	590-750 590-780	.472-.550 .551-.649 .650-.787 .788-.944 .945-1.181 1.182-1.417 1.418-1.732 1.733-2.086 2.087-2.500

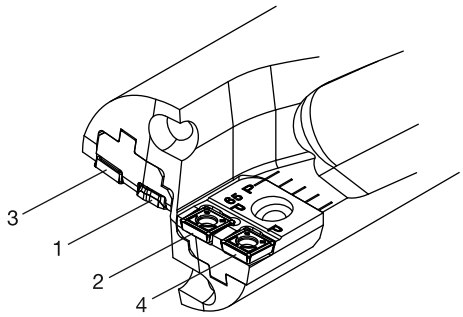
Note: Bold text is recommended geometry
Central insert grade is always 1044.

CoroDrill® 880

Geometry / Feed											
Drill length 2-3xD				Drill length 4xD				Drill length 5xD			
-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT	-LM	-GM	-GR	-GT
f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.	f_n inch/rev.
.002-.004		**.002-.004**		.002-.004		**.002-.004**		.001-.002		**.002-.003**	
.002-.004	**.002-.005**	.002-.004	.002-.004	.002-.004	**.002-.004**	.002-.004	.002-.004	.002-.003	**.002-.004**	.002-.003	.002-.003
.002-.005	**.002-.006**	.002-.005	.002-.005	.002-.004	**.002-.005**	.002-.004	.002-.004	.002-.004	**.002-.004**	.002-.004	.002-.004
.002-.006	**.002-.008**	.002-.006	.002-.006	.002-.005	**.002-.006**	.002-.005	.002-.005	.002-.004	**.002-.005**	.002-.004	.002-.004
.002-.006	**.002-.008**	.002-.006	.002-.006	.002-.005	**.002-.006**	.002-.005	.002-.005	.002-.004	**.002-.005**	.002-.004	.002-.004
.002-.007	**.002-.008**	.002-.007	.002-.007	.002-.007	**.002-.008**	.002-.007	.002-.007	.002-.005	**.002-.006**	.002-.005	.002-.005
.002-.007	**.002-.008**	.002-.007	.002-.007	.002-.007	**.002-.008**	.002-.007	.002-.007	.002-.005	**.002-.006**	.002-.005	.002-.005
.004-.007	**.004-.008**	.004-.007	.004-.007	.004-.007	**.004-.008**	.004-.007	.004-.007				
.004-.007	**.004-.008**	.004-.007	.004-.007	.004-.007	**.004-.008**	.004-.007	.004-.007				
.002-.006		.002-.005		**.002-.005**		.002-.004		**.002-.004**		.002-.004	
.002-.006	.002-.005	.002-.005	.002-.006	**.002-.005**	.002-.004	.002-.004	.002-.005	**.002-.004**	.002-.004	.002-.004	.002-.004
.002-.007	.002-.006	.002-.006	.002-.007	**.002-.006**	.002-.005	.002-.005	.002-.006	**.002-.005**	.002-.004	.002-.004	.002-.004
.002-.008	.002-.007	.002-.007	.002-.008	**.002-.007**	.002-.006	.002-.006	.002-.007	**.002-.005**	.002-.005	.002-.005	.002-.005
.004-.008	.004-.008	.004-.008	.004-.008	**.004-.008**	.004-.007	.004-.007	.004-.008	**.004-.006**	.004-.005	.004-.005	.004-.005
.004-.010	.004-.008	.004-.008	.004-.010	**.004-.009**	.004-.008	.004-.007	.004-.009	**.004-.007**	.004-.006	.004-.006	.004-.007
.004-.010	.004-.008	.004-.008	.004-.010	**.004-.009**	.004-.008	.004-.007	.004-.009	**.004-.007**	.004-.006	.004-.006	.004-.007
.005-.012	.005-.009	.005-.009	.005-.012	**.005-.010**	.005-.009	.005-.008	.005-.010				
.005-.012	.005-.009	.005-.009	.005-.012	**.005-.010**	.005-.009	.005-.008	.005-.010				
.002-.005		.002-.005		**.002-.004**		.002-.004		**.002-.004**		.002-.004	
.002-.005	.002-.006	.002-.005	.002-.005	**.002-.004**	.002-.005	.002-.004	.002-.004	**.002-.004**	.002-.004	.002-.004	.002-.004
.002-.006	.002-.007	.002-.006	.002-.006	**.002-.005**	.002-.006	.002-.005	.002-.005	**.002-.004**	.002-.005	.002-.004	.002-.004
.002-.007	.002-.008	.002-.007	.002-.007	**.002-.006**	.002-.007	.002-.006	.002-.006	**.002-.005**	.002-.005	.002-.005	.002-.005
.004-.008	.004-.008	.004-.008	.004-.008	**.004-.007**	.004-.008	.004-.007	.004-.007	**.004-.005**	.004-.006	.004-.005	.004-.005
.004-.008	.004-.009	.004-.008	.004-.008	**.004-.008**	.004-.008	.004-.008	.004-.008	**.004-.006**	.004-.006	.004-.006	.004-.006
.004-.008	.004-.010	.004-.008	.004-.008	**.004-.008**	.004-.009	.004-.008	.004-.008	**.004-.006**	.004-.007	.004-.006	.004-.006
.005-.009	.005-.011	.005-.009	.005-.009	**.005-.008**	.005-.010	.005-.008	.005-.008				
.005-.009	.005-.011	.005-.009	.005-.009	**.005-.008**	.005-.010	.005-.008	.005-.008				
.002-.005		.002-.005		**.002-.004**		.002-.004		**.002-.032**		.002-.004	
.002-.005	.002-.006	.002-.005	.002-.005	**.002-.004**	.002-.005	.002-.004	.002-.004	**.002-.004**	.002-.004	.002-.004	.002-.004
.002-.006	.002-.007	.002-.006	.002-.006	**.002-.005**	.002-.006	.002-.005	.002-.005	**.002-.004**	.002-.005	.002-.004	.002-.004
.002-.007	.002-.008	.002-.007	.002-.007	**.002-.006**	.002-.007	.002-.006	.002-.006	**.002-.005**	.002-.005	.002-.005	.002-.005
.004-.008	.004-.008	.004-.008	.004-.008	**.004-.007**	.004-.008	.004-.007	.004-.007	**.004-.005**	.004-.006	.004-.005	.004-.005
.004-.008	.004-.009	.004-.008	.004-.008	**.004-.008**	.004-.008	.004-.008	.004-.008	**.004-.006**	.004-.006	.004-.006	.004-.006
.004-.008	.004-.010	.004-.008	.004-.008	**.004-.008**	.004-.009	.004-.008	.004-.008	**.004-.006**	.004-.007	.004-.006	.004-.006
.005-.009	.005-.011	.005-.009	.005-.009	**.005-.008**	.005-.010	.005-.008	.005-.008				
.005-.009	.005-.011	.005-.009	.005-.009	**.005-.008**	.005-.010	.005-.008	.005-.008				
.002-.006		.002-.005		**.002-.005**		.002-.004		**.002-.004**		.002-.004	
.002-.006	.002-.005	.002-.005	.002-.005	**.002-.005**	.002-.004	.002-.004	.002-.005	**.002-.004**	.002-.004	.002-.004	.002-.004
.002-.007	.002-.006	.002-.006	.002-.006	**.002-.006**	.002-.005	.002-.005	.002-.006	**.002-.005**	.002-.004	.002-.004	.002-.004
.002-.008	.002-.007	.002-.007	.002-.007	**.002-.007**	.002-.006	.002-.006	.002-.007	**.002-.005**	.002-.005	.002-.005	.002-.005
.004-.008	.004-.008	.004-.008	.004-.008	**.004-.008**	.004-.007	.004-.007	.004-.008	**.004-.006**	.004-.005	.004-.005	.004-.005
.004-.010	.004-.008	.004-.008	.004-.008	**.004-.009**	.004-.008	.004-.007	.004-.009	**.004-.007**	.004-.006	.004-.006	.004-.006
.004-.010	.004-.008	.004-.008	.004-.008	**.004-.009**	.004-.008	.004-.007	.004-.009	**.004-.007**	.004-.006	.004-.006	.004-.006
.005-.012	.005-.009	.005-.009	.005-.009	**.005-.010**	.005-.009	.005-.008	.005-.010				
.005-.012	.005-.009	.005-.009	.005-.009	**.005-.010**	.005-.009	.005-.008	.005-.008				
.002-.006		.002-.005		**.002-.005**		.002-.004		**.002-.004**		.002-.004	
.002-.006	.002-.005	.002-.005	.002-.006	**.002-.005**	.002-.004	.002-.004	.002-.005	**.002-.004**	.002-.004	.002-.004	.002-.004
.002-.007	.002-.006	.002-.006	.002-.007	**.002-.006**	.002-.005	.002-.005	.002-.006	**.002-.005**	.002-.004	.002-.004	.002-.004
.002-.008	.002-.007	.002-.007	.002-.008	**.002-.007**	.002-.006	.002-.006	.002-.007	**.002-.005**	.002-.005	.002-.005	.002-.005
.004-.008	.004-.008	.004-.008	.004-.008	**.004-.008**	.004-.007	.004-.007	.004-.008	**.004-.006**	.004-.005	.004-.005	.004-.005
.004-.010	.004-.008	.004-.008	.004-.010	**.004-.009**	.004-.008	.004-.007	.004-.009	**.004-.007**	.004-.006	.004-.006	.004-.006
.004-.010	.004-.008	.004-.008	.004-.010	**.004-.009**	.004-.008	.004-.007	.004-.009	**.004-.007**	.004-.006	.004-.006	.004-.006
.005-.012	.005-.009	.005-.009	.005-.012	**.005-.010**	.005-.009	.005-.008	.005-.010				
.005-.012	.005-.009	.005-.009	.005-.012	**.005-.010**	.005-.009	.005-.008	.005-.010				

CoroDrill® 880

Large diameter drill



ISO	Insert position	Geometry	Grade	Feed (f_n) inch/rev	Cutting speed, vc (ft/min)
P, M, S	1	LM	1044	0.07-0.15	See cutting data for CoroDrill® 880
	2	LM	4044		
	3	LM	4334		
	4	LM	4334		

CoroDrill® 881

Metric values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed v_c (m/min)	Drill diameter D_c mm	Geometry / Feed Drill length 2-3xD -GM1 f_n mm/rev	4xD -GM1 f_n mm/rev	5xD -GM1 f_n mm/rev
P		**Unalloyed steel**							
	P1.0.Z.AN (01.0)	Non hardened 0.05-0.10% C	80-170	4024	230-380	12.70-17.43	0.04-0.10	0.04-0.09	0.04-0.07
				4044	190-235	17.44-20.99	0.04-0.10	0.04-0.09	0.04-0.07
						21.00-25.99	0.04-0.12	0.04-0.10	0.04-0.08
	P1.1.Z.AN (01.1)	Non hardened 0.05-0.25% C	90-200	4024	230-350	12.70-17.43	0.04-0.10	0.04-0.09	0.04-0.07
				4044	170-225	17.44-20.99	0.04-0.10	0.04-0.09	0.04-0.07
						21.00-25.99	0.04-0.12	0.04-0.10	0.04-0.08
	P1.2.Z.AN (01.2)	Non hardened 0.25-0.55% C	125-225	4024	190-290	12.70-17.43	0.04-0.12	0.04-0.10	0.04-0.08
				4044	120-180	17.44-20.99	0.04-0.14	0.04-0.12	0.04-0.09
						21.00-25.99	0.04-0.16	0.04-0.14	0.04-0.11
	P1.3.Z.AN (01.3)	Non hardened 0.55-0.80% C	150-250	4024	170-275	12.70-17.43	0.04-0.12	0.04-0.10	0.04-0.08
				4044	105-175	17.44-20.99	0.06-0.14	0.06-0.12	0.06-0.09
						21.00-25.99	0.06-0.16	0.06-0.14	0.06-0.11
	P1.3.Z.AN (01.4)	High carbon and carbon tool steel	180-275	4024	200-275	12.70-17.43	0.04-0.12	0.04-0.10	0.04-0.08
				4044	105-170	17.44-20.99	0.06-0.14	0.06-0.12	0.06-0.09
						21.00-25.99	0.06-0.16	0.06-0.14	0.06-0.11
	P2.1.Z.AN (02.1)	Low alloy steel (Non-hardened)	150-260	4024	180-290	12.70-17.43	0.04-0.14	0.04-0.12	0.04-0.09
				4044	115-180	17.44-20.99	0.06-0.16	0.06-0.13	0.06-0.11
						21.00-25.99	0.06-0.18	0.06-0.14	0.06-0.12
	P2.5.Z.HT (02.2)	Hardened steel	220-450	4024	90-230	12.70-17.43	0.04-0.12	0.04-0.10	0.04-0.08
				4044	75-140	17.44-20.99	0.06-0.14	0.06-0.12	0.06-0.09
						21.00-25.99	0.06-0.16	0.06-0.13	0.06-0.11
	P3.0.Z.AN 03.11	High alloy steel (Annealed)	150-250	4024	160-275	12.70-17.43	0.04-0.10	0.04-0.08	0.04-0.07
				4044	100-170	17.44-20.99	0.04-0.16	0.04-0.13	0.04-0.11
						21.00-25.99	0.04-0.18	0.04-0.14	0.04-0.12
	P3.0.Z.HT (03.21)	Hardened steel	250-350	4024	80-200	12.70-17.43	0.04-0.12	0.04-0.10	0.04-0.08
				4044	70-125	17.44-20.99	0.06-0.14	0.06-0.11	0.06-0.09
						21.00-25.99	0.06-0.16	0.06-0.13	0.06-0.11
	P1.5.C.UT (06.1)	Steel castings (Unalloyed)	90-225	4024	140-310	12.70-17.43	0.04-0.10	0.04-0.08	0.04-0.07
				4044	125-190	17.44-20.99	0.04-0.10	0.04-0.08	0.04-0.07
						21.00-25.99	0.04-0.12	0.04-0.10	0.04-0.08
	P2.6.C.UT (06.2)	Low alloyed (alloying elements less than 5%)	150-250	4024	110-250	12.70-17.43	0.04-0.12	0.04-0.10	0.04-0.08
				4044	100-150	17.44-20.99	0.06-0.14	0.06-0.11	0.06-0.09
						21.00-25.99	0.06-0.16	0.06-0.13	0.06-0.11
M	P5.0.Z.AN (05.11)	Stainless steel Ferritic/Martensitic 13-25% Cr	150-270	4024	120-265	12.70-17.43	0.04-0.12	0.04-0.10	0.04-0.08
				4044	115-165	17.44-20.99	0.04-0.14	0.04-0.12	0.04-0.09
				2044	115-165	21.00-25.99	0.04-0.16	0.04-0.14	0.04-0.11
	M1.0.Z.AQ (05.21)	Austenitic Ni > 8%, 13-25% Cr	150-275	4024	120-250	12.70-17.43	0.04-0.12	0.04-0.10	0.04-0.08
				4044	115-180	17.44-20.99	0.04-0.12	0.04-0.10	0.04-0.08
				2044	115-180	21.00-25.99	0.04-0.14	0.04-0.12	0.04-0.09
	M3.1.Z.AQ (05.51) M3.2.Z.AQ (05.52)	Austenitic/Ferritic (Duplex)	200-320	4024	90-145	12.70-17.43	0.04-0.12	0.04-0.10	0.04-0.08
				4044	85-125	17.44-20.99	0.04-0.12	0.04-0.10	0.04-0.08
				2044	85-125	21.00-25.99	0.04-0.14	0.04-0.12	0.04-0.09
	M1.0.C.UT (15.21)	Austenitic castings	150-250	4024	150-200	12.70-17.43	0.04-0.10	0.04-0.08	0.04-0.06
				4044	80-155	17.44-20.99	0.04-0.12	0.04-0.10	0.04-0.08
				2044	80-155	21.00-25.99	0.04-0.14	0.04-0.12	0.04-0.09

GC1044 is the universal central insert grade for all materials
GC1144 is the optimized central insert grade for ISO M materials

CoroDrill® 881

Metric values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed v_c (m/min)	Drill diameter D_c mm	Geometry / Feed Drill length 2-3xD -GM1 f_n mm/rev	4xD -GM1 f_n mm/rev	5xD -GM1 f_n mm/rev
S	S2.0.Z.AN (20.21) S2.0.Z.AG (20.22) S2.0.C.NS (20.24)	Heat resistant alloys, Ni based	140-425	2044 4044	20-90 20-90	12.70-17.43 17.44-20.99 21.00-25.99	0.03-0.08 0.04-0.08 0.04-0.08	0.03-0.08 0.04-0.08 0.04-0.08	0.03-0.05 0.04-0.05 0.04-0.05
	S4.2.Z.AN	Titanium: α, near α and α+ β alloys in annealed condition	*Rm(MPa)*	2044 4044	40-135 40-135	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.12 0.06-0.14 0.08-0.14	0.04-0.10 0.06-0.12 0.08-0.12	0.04-0.08 0.06-0.09 0.08-0.09
	(23.21) S4.3.Z.AG (23.22)	Titanium: α+ β alloys in aged condition, β alloys in annealed or aged condition	600-1500						
K	K1.1.C.NS (07.1)	Malleable cast iron Ferritic (Short chipping)	110-145	4024 4044	140-230 80-145	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.16 0.08-0.18 0.10-0.22	0.04-0.12 0.06-0.14 0.08-0.16	0.04-0.11 0.06-0.12 0.06-0.15
	K1.1.C.NS (07.2)	Pearlitic (long chipping)	150-270	4024 4044	105-170 65-105	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.12 0.06-0.14 0.08-0.16	0.04-0.10 0.06-0.12 0.08-0.14	0.04-0.08 0.06-0.09 0.08-0.11
	K2.1.C.UT (08.1)	Gray cast iron: Low tensile strength	150-220	4024 4044	210-310 130-195	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.16 0.08-0.18 0.10-0.22	0.04-0.12 0.06-0.14 0.08-0.16	0.04-0.11 0.06-0.12 0.06-0.15
	K2.2.C.UT (08.2)	High tensile strength	200-330	4024 4044	125-230 75-140	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.12 0.06-0.14 0.08-0.16	0.04-0.10 0.06-0.12 0.08-0.14	0.04-0.08 0.06-0.09 0.08-0.11
	K3.1.C.UT (09.1)	Nodular cast iron (Ferritic)	150-230	4024 4044	125-215 80-135	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.12 0.06-0.14 0.08-0.16	0.04-0.10 0.06-0.12 0.08-0.14	0.04-0.08 0.06-0.09 0.08-0.11
	K3.3.C.UT (09.2)	Pearlitic	200-330	4024 4044	110-200 70-125	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.12 0.06-0.14 0.08-0.16	0.04-0.10 0.06-0.12 0.08-0.14	0.04-0.08 0.06-0.09 0.08-0.11
H	H1.3.Z.HA (04.1)	Hardened and tempered	47-65	4024 4044	30-80 30-80	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.10 0.06-0.14 0.06-0.16	0.04-0.08 0.06-.011 0.06-0.13	0.04-0.06 0.06-0.09 0.06-0.11
N	N1.2.Z.AG (30.12)	Al. alloys Wrought or wrought and aged	30-150	4044	300-385	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.12 0.04-0.14 0.06-0.16	0.04-0.10 0.04-0.12 0.06-0.14	0.04-0.08 0.04-0.09 0.06-0.11
	N1.3.C.UT (30.21)	Cast, non-aging	40-100	4044	300-385	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.10 0.04-0.12 0.06-0.14	0.04-0.08 0.04-0.10 0.06-0.12	0.04-0.07 0.04-0.08 0.06-0.09
	N1.3.C.AG (30.22)	Cast or cast and aged	70-140	4044	250-335	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.10 0.04-0.12 0.06-0.14	0.04-0.08 0.04-0.10 0.06-0.12	0.04-0.07 0.04-0.08 0.06-0.09
	N3.3.U.UT (33.1)	Copper and copper alloys	70-160	4044	250-380	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.12 0.04-0.14 0.06-0.16	0.04-0.10 0.04-0.12 0.06-0.14	0.04-0.08 0.04-0.09 0.06-0.11
	N3.2.C.UT (33.2)	Brass and leaded alloys (Pb < 1%)	50-200	4044	180-230	12.70-17.43 17.44-20.99 21.00-25.99	0.04-0.12 0.04-0.14 0.06-0.16	0.04-0.10 0.04-0.12 0.06-0.14	0.04-0.08 0.04-0.09 0.06-0.11

GC1044 is the universal central insert grade for all materials

CoroDrill® 881

Inch values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed (ft/min)	Drill diameter D_c inch	Geometry / Feed Drill length 2-3xD -GM1 f_n inch/rev.	4xD -GM1 f_n inch/rev.	5xD -GM1 f_n inch/rev.
P		**Unalloyed steel**							
	P1.0.Z.AN (01.0)	Non hardened 0.05-0.10% C	80-170	4024 4044	760-1250 620-770	.500-.686 .687-.826 .827-1.023	.002-.004 .002-.004 .002-.005	.002-.004 .002-.004 .002-.004	.002-.003 .002-.003 .002-.003
	P1.1.Z.AN (01.1)	Non hardened 0.05-0.25% C	90-200	4024 4044	750-1150 550-740	.500-.686 .687-.826 .827-1.023	.002-.004 .002-.004 .002-.005	.002-.004 .002-.004 .002-.004	.002-.003 .002-.003 .002-.003
	P1.2.Z.AN (01.2)	Non hardened 0.25-0.55% C	125-225	4024 4044	620-950 395-590	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.006	.002-.004 .002-.005 .002-.006	.002-.003 .002-.004 .002-.004
	P1.3.Z.AN (01.3)	Non hardened 0.55-0.80% C	150-250	4024 4044	560-910 345-580	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.006	.002-.004 .002-.005 .002-.006	.002-.003 .002-.004 .002-.004
	P1.3.Z.AN (01.4)	High carbon and carbon tool steel	180-275	4024 4044	660-910 345-560	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.006	.002-.004 .002-.005 .002-.006	.002-.003 .002-.004 .002-.004
	P2.1.Z.AN (02.1)	Low alloy steel (Non-hardened)	150-260	4024 4044	590-950 375-590	.500-.686 .687-.826 .827-1.023	.002-.006 .002-.006 .002-.007	.002-.005 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005
	P2.5.Z.HT (02.2)	Hardened steel	220-450	4024 4044	295-750 245-460	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.006	.002-.004 .002-.005 .002-.005	.002-.003 .002-.004 .002-.004
	P3.0.Z.AN (03.11)	High alloy steel (Annealed)	150-250	4024 4044	520-900 325-560	.500-.686 .687-.826 .827-1.023	.002-.004 .002-.006 .002-.007	.002-.003 .002-.005 .002-.006	.002-.003 .002-.004 .002-.005
	P3.0.Z.HT (03.21)	Hardened steel	250-350	4024 4044	265-660 230-410	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.006	.002-.004 .002-.004 .002-.005	.002-.003 .002-.004 .002-.004
	P1.5.C.UT (06.1)	Steel castings (Unalloyed)	90-225	4024 4044	455-1000 405-620	.500-.686 .687-.826 .827-1.023	.002-.004 .002-.004 .002-.005	.002-.003 .002-.003 .002-.004	.002-.003 .002-.003 .002-.003
	P2.6.C.UT (06.2)	Low alloyed (alloying elements less than 5%)	150-250	4024 4044	360-820 325-490	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.006	.002-.004 .002-.004 .002-.005	.002-.003 .002-.004 .002-.004
M	P5.0.Z.AN (05.11)	Stainless steel Ferritic/Martensitic 13-25% Cr	150-270	4024 4044 2044	390-870 375-540 375-540	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.007	.002-.004 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005
	M1.0.Z.AQ (05.21)	Austenitic Ni > 8%, 13-25% Cr	150-275	4024 4044 2044	390-820 375-590 375-590	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005	.002-.004 .002-.004 .002-.004
	M3.1.Z.AQ (05.51) M3.2.Z.AQ (05.52)	Austenitic/Ferritic (Duplex)	200-320	4024 4044 2044	295-475 280-410 280-410	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005	.002-.004 .002-.004 .002-.004
	M1.0.C.UT (15.21)	Austenitic castings	150-250	4024 4044 2044	495-660 265-510 265-510	.500-.686 .687-.826 .827-1.023	.002-.004 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005	.002-.003 .002-.004 .002-.004

GC1044 is the universal central insert grade for all materials

GC1144 is the optimized central insert grade for ISO M materials

CoroDrill® 881

Inch values

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed (ft/min)	Drill diameter D_c inch	Geometry / Feed Drill length 2-3xD -GM1 f_n mm/rev	4xD -GM1 f_n mm/rev	5xD -GM1 f_n mm/rev
S	S2.0.Z.AN (20.21) S2.0.Z.AG (20.22) S2.0.C.NS (20.24)	Heat resistant alloys, Ni based	140-425	2044 4044	65-290 65-290	.500-.686 .687-.826 .827-1.023	.001-.004 .002-.004 .002-.004	.001-.004 .002-.004 .002-.004	.001-.003 .002-.003 .002-.003
	S4.2.Z.AN	Titanium: α, near α and α+ β alloys in annealed condition	*Rm(MPa)*	2044 4044	135-440 135-440	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .003-.006	.002-.004 .002-.005 .003-.005	.002-.004 .002-.004 .003-.004
	(23.21)	Titanium: α+ β alloys in aged condition, β alloys in annealed or aged condition	600-1500						
	S4.3.Z.AG (23.22)								
K	K1.1.C.NS (07.1)	Malleable cast iron Ferritic (Short chipping)	110-145	4024 4044	460-750 260-475	.500-.686 .687-.826 .827-1.023	.002-.007 .003-.008 .004-.009	.002-.005 .002-.006 .003-.007	.002-.005 .002-.005 .002-.006
	K1.1.C.NS (07.2)	Pearlitic (long chipping)	150-270	4024 4044	345-560 210-345	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .003-.007	.002-.004 .002-.005 .003-.006	.002-.004 .002-.004 .003-.005
	K2.1.C.UT (08.1)	Gray cast iron: Low tensile strength	150-220	4024 4044	690-1000 430-640	.500-.686 .687-.826 .827-1.023	.002-.007 .003-.008 .004-.009	.002-.005 .002-.006 .003-.007	.002-.005 .002-.005 .002-.006
	K2.2.C.UT (08.2)	High tensile strength	200-330	4024 4044	410-750 245-460	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .003-.007	.002-.004 .002-.005 .003-.006	.002-.004 .002-.004 .003-.005
	K3.1.C.UT (09.1)	Nodular cast iron (Ferritic)	150-230	4024 4044	410-750 260-440	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .003-.007	.002-.004 .002-.005 .003-.006	.002-.004 .002-.004 .003-.005
	K3.3.C.UT (09.2)	Pearlitic	200-330	4024 4044	110-200 70-125	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .003-.007	.002-.004 .002-.005 .003-.006	.002-.004 .002-.004 .003-.005
H	H1.3.Z.HA (04.1)	Hardened and tempered	47-65	4024 4044	100-265 100-265	.500-.686 .687-.826 .827-1.023	.002-.004 .002-.006 .002-.007	.002-.004 .002-.005 .002-.006	.002-.003 .002-.004 .002-.005
N	N1.2.Z.AG (30.12)	Al. alloys Wrought or wrought and aged	30-150	4044	980-1250	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.007	.002-.004 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005
	N1.3.C.UT (30.21)	Cast, non-aging	40-100	4044	980-1250	.500-.686 .687-.826 .827-1.023	.002-.004 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005	.002-.003 .002-.004 .002-.004
	N1.3.C.AG (30.22)	Cast or cast and aged	70-140	4044	820-1100	.500-.686 .687-.826 .827-1.023	.002-.004 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005	.002-.003 .002-.004 .002-.004
	N3.3.U.UT (33.1)	Copper and copper alloys	70-160	4044	820-1250	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.007	.002-.004 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005
	N3.2.C.UT (33.2)	Brass and leaded alloys (Pb < 1%)	50-200	4044	590-750	.500-.686 .687-.826 .827-1.023	.002-.005 .002-.006 .002-.007	.002-.004 .002-.005 .002-.006	.002-.004 .002-.004 .002-.005

GC1044 is the universal central insert grade for all materials

Coromant U indexable insert plunge drill

Metric values

ISO	CMC No.	Material	Hardness Brinell HB	Drill dia D_c mm	Feed f_n mm/r	Speed v_c m/min	Geometry / Grade FIRST CHOICE Highest productivity P	FIRST CHOICE Highest productivity C	Complementary P	Complementary C
P		**Unalloyed steel**		12.7–17.0	0.04–0.08	290 (230–380)	-53/3040	-53/1020	-53/1120	-53/1020
	01.0	Non hardened 0.05–0.10% C	80-170	17.5–25.4	0.04–0.08		-53/3040		-53/1020	T-53/1020
				26.0–30.0	0.05–0.08		-53/3040		-53/1020	
				31.0–41.3	0.07–0.10		-53/3040		-53/1020	
				42.0–80.0	0.08–0.12		-53/3040		-53/1020	
	01.1	Non hardened 0.05–0.25% C	90–200	12.7–17.0	0.04–0.08	270 (225–345)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.04–0.08		-53/3040		-53/1020	T-53/1020
				26.0–30.0	0.05–0.10		-53/3040		-53/1020	
				31.0–41.3	0.07–0.12		-53/3040		-53/1020	
				42.0–80.0	0.08–0.14		-53/3040		-53/1020	
	01.2	Non-hardened 0.25–0.55% C	125–225	12.7–17.0	0.04–0.10	230 (190–290)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.04–0.14				-53/1020	T-53/1020
				26.0–30.0	0.08–0.18				-53/1020	
				31.0–41.3	0.10–0.20				-53/1020	
				42.0–80.0	0.12–0.24				-53/1020	
	01.3	Non hardened 0.55–0.80% C	150–225	12.7–17.0	0.04–0.10	210 (170–275)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.06–0.14				-53/1020	T-53/1020
				26.0–30.0	0.08–0.18				-53/1020	
				31.0–41.3	0.10–0.20				-53/1020	
				42.0–80.0	0.12–0.24				-53/1020	
	01.4	High carbon and carbon tool steel	180–275	12.7–17.0	0.04–0.10	210 (200–275)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.06–0.14				-53/1020	T-53/1020
				26.0–30.0	0.08–0.18				-53/1020	
				31.0–41.3	0.10–0.20				-53/1020	
				42.0–80.0	0.12–0.24				-53/1020	
		Low alloy steel		12.7–17.0	0.04–0.10	220 (180–290)	-53/3040	-53/1020	-53/1120	-53/1020
	02.1	Non-hardened	150–260	17.5–25.4	0.06–0.12				-53/1020	T-53/1020
				26.0–30.0	0.10–0.16				-53/1020	
				31.0–41.3	0.11–0.18				-53/1020	
				42.0-80.0	0.12–0.22				-53/1020	
	02.2	Hardened	220–450	12.7–17.0	0.04–0.10	170 (90–230)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.06–0.14				-53/1020	T-53/1020
				26.0–30.0	0.10–0.18				-53/1020	
				31.0–41.3	0.10–0.20				-53/1020	
				42.0–80.0	0.12–0.24				-53/1020	
		High alloy steel		12.7–17.0	0.04–0.08	180 (160–275)	-53/3040	-53/1020	-53/1120	-53/1020
	03.11	Annealed	50–250	17.5–25.4	0.04–0.14				-53/1020	T-53/1020
				26.0–30.0	0.08–0.18				-53/1020	
				31.0–41.3	0.10–0.20				-53/1020	
				42.0–80.0	0.12–0.24				-53/1020	
	03.21	Hardened steel	250–450	12.7–17.0	0.04–0.10	130 (80–200)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.06–0.12				-53/1020	T-53/1020
				26.0–30.0	0.10–0.16				-53/1020	
				31.0–41.3	0.11–0.18				-53/1020	
				42.0–80.0	0.12–0.22				-53/1020	
		Steel castings		12.7–17.0	0.04–0.08	200 (140–310)	-53/3040	-53/1020	-53/1120	-53/1020
	06.1	Unalloyed	90–225	17.5–25.4	0.04–0.08		-53/3040		-53/1020	T-53/1020
				26.0–30.0	0.05–0.10		-53/3040		-53/1020	
				31.0–41.3	0.06–0.12		-53/3040		-53/1020	
				42.0–80.0	0.07–0.14		-53/3040		-53/1020	
	06.2	Low alloyed (alloying elements ≤ 5%)	150–250	12.7–17.0	0.04–0.10	160 (110–250)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.06–0.12				-53/1020	T-53/1020
				26.0–30.0	0.10–0.16				-53/1020	
				31.0–41.3	0.11–0.18				-53/1020	
				42.0–80.0	0.12–0.22				-53/1020	
M		**Stainless steel**		12.7–17.0	0.04–0.10	170 (120–265)	53/3040	53/1020	53/1120	53/1020
	05.11	Ferritic, Martensitic 13–25% Cr	150–270	17.5–25.4	0.04–0.14		53/3040		53/1020	
				26.0–30.0	0.08–0.18		53/3040		53/1020	
				31.0–41.3	0.10–0.20		53/3040		53/1020	
				42.0–80.0	12–0.24		53/3040		53/1020	
	05.21	Austenitic Ni > 8% 13–25% Cr	150–275	12.7–17.0	0.04–0.10	150 (120–250)	53/3040	53/1020	53/1120	53/1020
				17.5–25.4	0.04–0.12		53/3040		53/1020	
				26.0–30.0	0.08–0.14		53/3040		53/1020	
				31.0–41.3	0.10–0.16		53/3040		53/1020	
				42.0–80.0	0.11–0.18		53/3040		53/1020	
	05.51 05.52	Austenitic Ferritic (duplex)	180–320	12.7–17.0	0.04–0.10	110 (90–145)	53/3040	53/1020	53/1120	53/1020
				17.5–25.4	0.04–0.12		53/3040		53/1020	
				26.0–30.0	0.08–0.14		53/3040		53/1020	
				31.0–41.3	0.10–0.16		53/3040		53/1020	
				42.0–80.0	0.11–0.18		53/3040		53/1020	

Insert positioning: C = Central
P = Peripheral

Wiper TECHNOLOGY -WM geometry: For machining steel and cast iron with hardness < 200 HB in stable conditions, increase feed (f_n) by 50%. For easy-to-machine stainless steels in stable conditions, increase feed (f_n) by 25%.

Coromant U indexable insert plunge drill

ISO	CMC No.	Material	Hardness Brinell HB	Drill dia D_c mm	Feed f_n mm/r	Speed v_c m/min	Geometry / Grade FIRST CHOICE Highest productivity P	FIRST CHOICE Highest productivity C	Complementary P	Complementary C
M		**Stainless steel**		12.7–17.0	0.04–0.08		-53/1120		-53/1120	-53/1020
	15.21	Austenitic castings	150–250	17.5–25.4	0.04–0.12			-53/1020	-53/1020	
				26.0–30.0	0.05–0.12	110 (80–155)	-53/1020	-53/1020	-53/1020	
				31.0–41.3	0.06–0.14			-53/1020	-53/1020	
				42.0–80.0	0.06–0.14			-53/1020	-53/1020	
S		**Heat resistant alloys**		12.7–17.0	0.03–0.08		-53/1120		-53/1120	-53/1020
	20.21	Ni based	140–425	17.5–25.4	0.04–0.08			-53/1020	-53/1020	
	20.22			26.0–30.0	0.06–0.10	50 (20– 88)	-53/1020	-53/1020	-53/1020	
	20.24			31.0–41.3	0.08–0.12			-53/1020	-53/1020	
				42.0–80.0	0.09–0.14			-53/1020	-53/1020	
		Titanium alloys		12.7–17.0	0.04–0.10		-53/1120	-53/1020	-53/1120	-53/1020
	23.21	α, near α and α+β alloys. Alloys in	600–1500	17.5–25.4	0.08–0.14		-53/H13A	-53/H13A	-53/H13A	-53/H13A
	23.22	annealed or aged conditions.		26.0–30.0	0.12–0.16	60 (40–132)	-53/H13A	-53/H13A	-53/H13A	-53/H13A
				31.0–41.3	0.14–0.18		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				42.0–80.0	0.16–0.20		-53/H13A	-53/H13A	-53/H13A	-53/H13A
K		**Malleable cast iron**		12.7–17.0	0.04–0.14	170 (140–230)	-53/3040	-53/1020	-53/1120	-53/1020
	07.1	Ferritic (short chipping)	110–145	17.5–25.4	0.10–0.18				-53/1020	T-53/1020
				26.0–30.0	0.14–0.20				-53/1020	
				31.0–41.3	0.16–0.26				-53/1020	
				42.0–80.0	0.18–0.28				-53/1020	
	07.2	Pearlitic (long chipping)	150–270	12.7–17.0	0.04–0.10	140 (105–170)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.08–0.14				-53/1020	T-53/1020
				26.0–30.0	0.12–0.18				-53/1020	
				31.0–41.3	0.14–0.20				-53/1020	
				42.0–80.0	0.15–0.22				-53/1020	
		Gray cast iron		12.7–17.0	0.04–0.14	250 (210–310)	-53/3040	-53/1020	-53/1120	-53/1020
	08.1	Low tensile strength	150–220	17.5–25.4	0.10–0.18				-53/1020	T-53/1020
				26.0–30.0	0.14–0.20				-53/1020	
				31.0–41.3	0.16–0.26				-53/1020	
				42.0–80.0	0.18–0.28				-53/1020	
	08.2	High tensile strength	200–330	12.7–17.0	0.04–0.10	170 (125–230)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.08–0.14				-53/1020	T-53/1020
				26.0–30.0	0.12–0.18				-53/1020	
				31.0–41.3	0.14–0.20				-53/1020	
				42.0–80.0	0.15–0.22				-53/1020	
		Nodular cast iron		12.7–17.0	0.04–0.10	170 (125–215)	-53/3040	-53/1020	-53/1120	-53/1020
	09.1	Ferritic	125–230	17.5–25.4	0.08–0.14				-53/1020	T-53/1020
				26.0–30.0	0.12–0.18				-53/1020	
				31.0–41.3	0.14–0.20				-53/1020	
				42.0–80.0	0.15–0.22				-53/1020	
	09.2	Pearlitic	200–300	12.7–17.0	0.04–0.10	150 (110–200)	-53/3040	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.08–0.14				-53/1020	
				26.0–30.0	0.12–0.18				-53/1020	
				31.0–41.3	0.14–0.20				-53/1020	
				42.0–80.0	0.15–0.22				-53/1020	
H		**Extra hard steel**		12.7–17.0	0.05-0.08					
	04.1	Hardened and tempered	450	17.5–25.4	0.07-0.15					
				26.0–30.0	0.07-0.15	40 (30-80)	-53/3040	-53/1020	-53/1020	-53/1020
				31.0–41.3	0.10-0.15				-53/1120	
				42.0–80.0	0.10-0.15					
N		**Aluminum alloys**		12.7–17.0	0.04–0.12	350 (300–440)	-53/1120	-53/1020	-53/1120	-53/1020
	30.12	Wrought or wrought and aged	30–150	17.5–25.4	0.06–0.16		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				26.0–30.0	0.10–0.18		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				31.0–41.3	0.12–0.22		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				42.0–80.0	0.14–0.26		-53/H13A	-53/H13A	-53/H13A	-53/H13A
	30.21	Cast, non-aging	40–100	12.7–17.0	0.04–0.12	150 (30–440)	-53/1120	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.06–0.16		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				26.0–30.0	0.10–0.18		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				31.0–41.3	0.12–0.22		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				42.0–80.0	0.14–0.26		-53/H13A	-53/H13A	-53/H13A	-53/H13A
	30.22	Cast or cast and aged	70–140	12.7–17.0	0.04–0.12	300 (250–385)	-53/1120	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.06–0.16		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				26.0–30.0	0.10–0.18		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				31.0–41.3	0.12–0.22		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				42.0–80.0	0.14–0.26		-53/H13A	-53/H13A	-53/H13A	-53/H13A
		Copper and copper alloys		12.7–17.0	0.04–0.12	300 (250–385)	-53/1120	-53/1020	-53/1120	-53/1020
	33.1	Free cutting alloys (Pb ≥ 1%)	50–160	17.5–25.4	0.06–0.16		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				26.0–30.0	0.10–0.18		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				31.0–41.3	0.12–0.22		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				42.0–80.0	0.14–0.26		-53/H13A	-53/H13A	-53/H13A	-53/H13A
	33.2	Brass and leaded alloys (Pb ≤ 1%)	50–160	12.7–17.0	0.04–0.12	230 (180–265)	-53/1120	-53/1020	-53/1120	-53/1020
				17.5–25.4	0.06–0.16		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				26.0–30.0	0.10–0.18		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				31.0–41.3	0.12–0.22		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				42.0–80.0	0.14–0.26		-53/H13A	-53/H13A	-53/H13A	-53/H13A

Insert positioning: C = Central P = Peripheral

SANDVIK Coromant

Coromant U indexable insert plunge drill

Inch values

ISO	CMC No.	Material	Hardness Brinell HB	Drill dia D_c inch	Feed f_n inch/rev.	Speed v_c ft/min	Geometry / Grade FIRST CHOICE Highest productivity P	FIRST CHOICE Highest productivity C	Complementary P	Complementary C
P		**Unalloyed steel**		.500- .669	.001–.003	950 (755–1245)	-53/3040	-53/1020	-53/1120	-53/1020
	01.0	Non hardened 0.05–0.10% C	80–170	.689-1.000	.001–.003				-53/1020	T-53/1020
				1.024-1.181	.002–.003				-53/1020	
				1.220-1.614	.003–.004				-53/1020	
				1.654-3.500	.004–.006				-53/1020	
	01.1	Non hardened 0.05–0.25% C	90–200	.500- .669	.001–.003	885 (740–1130)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.001–.003				-53/1020	T-53/1020
				1.024-1.181	.002–.003				-53/1020	
				1.220-1.614	.003–.004				-53/1020	
				1.654-3.500	.004–.006				-53/1020	
	01.2	Non-hardened 0.25–0.55% C	125–225	.500- .669	.001–.004	755 (625–950)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.001–.006				-53/1020	T-53/1020
				1.024-1.181	.003–.007				-53/1020	
				1.220-1.614	.004–.008				-53/1020	
				1.654-3.500	.005–.009				-53/1020	
	01.3	Non hardened 0.55–0.80% C	150–225	.500- .669	.001–.004	690 (560–900)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.002–.006				-53/1020	T-53/1020
				1.024-1.181	.003–.007				-53/1020	
				1.220-1.614	.004–.008				-53/1020	
				1.654-3.500	.005–.009				-53/1020	
	01.4	High carbon and carbon tool steel	180–275	.500- .669	.001–.004	690 (655–900)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.002–.006				-53/1020	T-53/1020
				1.024-1.181	.003–.007				-53/1020	
				1.220-1.614	.004–.008				-53/1020	
				1.654-3.500	.005–.009				-53/1020	
		Low alloy steel		.500- .669	.001–.004	720 (590–950)	-53/3040	-53/1020	-53/1120	-53/1020
	02.1	Non-hardened	150–260	.689-1.000	.002–.005				-53/1020	T-53/1020
				1.024-1.181	.004–.006				-53/1020	
				1.220-1.614	.004–.007				-53/1020	
				1.654-3.500	.005–.009				-53/1020	
	02.2	Hardened	220–450	.500- .669	.001–.004	560 (295–755)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.002–.006				-53/1020	T-53/1020
				1.024-1.181	.004–.007				-53/1020	
				1.220-1.614	.004–.008				-53/1020	
				1.654-3.500	.005–.009				-53/1020	
		High alloy steel		.500- .669	.001–.003	590 (525–900)	-53/3040	-53/1020	-53/1120	-53/1020
	03.11	Annealed	50–250	.689-1.000	.001–.006				-53/1020	T-53/1020
				1.024-1.181	.003–.007				-53/1020	
				1.220-1.614	.004–.008				-53/1020	
				1.654-3.500	.005–.009				-53/1020	
	03.21	Hardened steel	250–450	.500- .669	.001–.004	1425 (260–655)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.002–.005				-53/1020	T-53/1020
				1.024-1.181	.004–.006				-53/1020	
				1.220-1.614	.004–.007				-53/1020	
				1.654-3.500	.005–.009				-53/1020	
		Steel castings		.689-1.000	.001–.003	655 (460–1020)	-53/3040	-53/1020	-53/1120	-53/1020
	06.1	Unalloyed	90–225	.689-1.000	.001–.003				-53/1020	T-53/1020
				1.024-1.181	.002–.004				-53/1020	
				1.220-1.614	.002–.005				-53/1020	
				1.654-3.500	.003–.006				-53/1020	
	06.2	Low alloyed (alloying elements ≤ 5%)	150–250	.500- .669	.001–.004	525 (360–820)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.002–.005				-53/1020	T-53/1020
				1.024-1.181	.004–.006				-53/1020	
				1.220-1.614	.004–.007				-53/1020	
				1.654-3.500	.005–.009				-53/1020	
M		**Stainless steel**		.500- .669	.001–.004	560 (395–870)	53/3040	53/1020	53/1120	53/1020
	05.11	Ferritic, Martensitic 13–25% Cr	150–270	.689-1.000	.001–.006				53/1020	
				1.024-1.181	.003–.007				53/1020	
				1.220-1.614	.004–.008				53/1020	
				1.654-3.500	.005–.009				53/1020	
	05.21	Austenitic Ni > 8% 13–25% Cr	150–275	.500- .669	.001–.004	490 (395–820)	53/3040	53/1020	53/1120	53/1020
				.689-1.000	.001–.005				53/1020	
				1.024-1.181	.003–.006				53/1020	
				1.220-1.614	.004–.006				53/1020	
				1.654-3.500	.004–.007				53/1020	
	05.51 05.52	Austenitic Ferritic (duplex)	180–320	.500- .669	.001–.004	360 (295-475)	53/3040	53/1020	53/1120	53/1020
				.689-1.000	.001–.005				53/1020	
				1.024-1.181	.003–.006				53/1020	
				1.220-1.614	.004–.006				53/1020	
				1.654-3.500	.004–.007				53/1020	

Insert positioning: C = Central
P = Peripheral

Wiper TECHNOLOGY -WM geometry: For machining steel and cast iron with hardness < 200 HB in stable conditions, increase feed (f_n) by 50%. For easy-to-machine stainless steels in stable conditions, increase feed (f_n) by 25%.

Coromant U indexable insert plunge drill

ISO	CMC No.	Material	Hardness Brinell HB	Drill dia D_c inch	Feed f_n inch/rev.	Speed v_c ft/min	Geometry / Grade FIRST CHOICE Highest productivity P	FIRST CHOICE Highest productivity C	Complementary P	Complementary C
M		**Stainless steel**		.500- .669	.001-.004		-53/1120		-53/1120	-53/1020
	15.21	Austenitic castings	150–250	.689-1.000	.001-.005			-53/1020	-53/1020	
				1.024-1.181	.003-.006	360 (260–510)	-53/1020	-53/1020	-53/1020	
				1.220-1.614	.002–.006			-53/1020	-53/1020	
				1.654-3.500	.002–.006			-53/1020	-53/1020	
S		**Heat resistant alloys**		.500- .669	.001–.003		-53/1120		-53/1120	-53/1020
	20.21	Ni based	140–425	.689-1.000	.001-.004			-53/1020	-53/1020	
	20.22			1.024-1.181	.002–.004	165 (65–290)	-53/1020	-53/1020	-53/1020	
	20.24			1.220-1.614	.003–.005			-53/1020	-53/1020	
				1.654-3.500	.004–.006			-53/1020	-53/1020	
		Titanium alloys		.500- .669	.001–.004		-53/1120	-53/1020	-53/1120	-53/1020
	23.21	α, near α and α+β alloys. Alloys in	600–1500	.689-1.000	.003–.006		-53/H13A	-53/H13A	-53/H13A	-53/H13A
	23.22	annealed or aged conditions.		1.024-1.181	.005–.006	195 (130–430)	-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.220-1.614	.006–.007		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.654-3.500	.006–.008		-53/H13A	-53/H13A	-53/H13A	-53/H13A
K		**Malleable cast iron**		.500- .669	.001–.006	560 (460–755)	-53/3040	-53/1020	-53/1120	-53/1020
	07.1	Ferritic (short chipping)	110–145	.689-1.000	.004–.007				-53/1020	T-53/1020
				1.024-1.181	.006–.008				-53/1020	
				1.220-1.614	.006–.010				-53/1020	
				1.654-3.500	.007–.011				-53/1020	
	07.2	Pearlitic (long chipping)	150–270	.500- .669	.001–.004	460 (345–560)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.003–.006				-53/1020	T-53/1020
				1.024-1.181	.005–.007				-53/1020	
				1.220-1.614	.006–.008				-53/1020	
				1.654-3.500	.006–.009				-53/1020	
		Gray cast iron		.500- .669	.001–.006	820 (690–1020)	-53/3040	-53/1020	-53/1120	-53/1020
	08.1	Low tensile strength	150–220	.689-1.000	.004–.007				-53/1020	T-53/1020
				1.024-1.181	.006–.008				-53/1020	
				1.220-1.614	.006–.010				-53/1020	
				1.654-3.500	.007–.011				-53/1020	
	08.2	High tensile strength	200–330	.500- .669	.001–.004	560 (410–755)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.003–.006				-53/1020	T-53/1020
				1.024-1.181	.005–.007				-53/1020	
				1.220-1.614	.006–.008				-53/1020	
				1.654-3.500	.006–.009				-53/1020	
		Nodular cast iron		.500- .669	.001–.004	560 (410–705)	-53/3040	-53/1020	-53/1120	-53/1020
	09.1	Ferritic	125–230	.689-1.000	.003–.006				-53/1020	T-53/1020
				1.024-1.181	.005–.007				-53/1020	
				1.220-1.614	.006–.008				-53/1020	
				1.654-3.500	.006–.009				-53/1020	
	09.2	Pearlitic	200–300	.500- .669	.001–.004	490 (360–655)	-53/3040	-53/1020	-53/1120	-53/1020
				.689-1.000	.003–.006				-53/1020	
				1.024-1.181	.005–.007				-53/1020	
				1.220-1.614	.006–.008				-53/1020	
				1.654-3.500	.006–.009				-53/1020	
H		**Extra hard steel**		.500- .669	.003–.004					
	04.1	Hardened and tempered	450	.689-1.000	.003–.006					
				1.024-1.181	.003–.006	130 (100–260)	-53/3040	-53/1020	-53/1020	-53/1020
				1.220-1.614	.004–.006				-53/1120	
				1.654-3.500	.004–.006					
N		**Aluminum alloys**		.500- .669	.001-.005	1150 (985–1440)	-53/1120	-53/1020	-53/1120	-53/1020
	30.12	Wrought or wrought and aged	30–150	.689-1.000	.002–.006		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.024-1.181	.004–.007		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.220-1.614	.005–.009		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.654-3.500	.006–.010		-53/H13A	-53/H13A	-53/H13A	-53/H13A
	30.21	Cast, non-aging	40–100	.500- .669	.001-.005	490 (100–1440)	-53/1120	-53/1020	-53/1120	-53/1020
				.689-1.000	.002–.006		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.024-1.181	.004–.007		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.220-1.614	.005–.009		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.654-3.500	.006–.010		-53/H13A	-53/H13A	-53/H13A	-53/H13A
	30.22	Cast or cast and aged	70–140	.500- .669	.001-.005	985 (820–1260)	-53/1120	-53/1020	-53/1120	-53/1020
				.689-1.000	.002–.006		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.024-1.181	.004–.007		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.220-1.614	.005–.009		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.654-3.500	.006–.010		-53/H13A	-53/H13A	-53/H13A	-53/H13A
		Copper and copper alloys		.500- .669	.001-.005	985 (820–1260)	-53/1120	-53/1020	-53/1120	-53/1020
	33.1	Free cutting alloys (Pb ≥ 1%)	50–160	.689-1.000	.002–.006		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.024-1.181	.004–.007		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.220-1.614	.005–.009		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.654-3.500	.006–.010		-53/H13A	-53/H13A	-53/H13A	-53/H13A
	33.2	Brass and leaded alloys (Pb ≤ 1%)	50–160	.500- .669	.001-.005	755 (590–870)	-53/1120	-53/1020	-53/1120	-53/1020
				.689-1.000	.002–.006		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.024-1.181	.004–.007		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.220-1.614	.005–.009		-53/H13A	-53/H13A	-53/H13A	-53/H13A
				1.654-3.500	.006–.010		-53/H13A	-53/H13A	-53/H13A	-53/H13A

Insert positioning: C = Central P = Peripheral

Trepanning

Metric values

ISO	CMC No.	Material	Hardness Brinell HB	Drill dia. D_c mm	Feed f_n mm/r	Speed v_c m/min	Geometry / Grade
P		**Unalloyed steel**					
	01.0	Non hardened 0.05–0.10% C	80-170		0.07–0.10	250-345	-58/4025
	01.1	Non hardened 0.05–0.25% C	90–200		0.07–0.12	225-315	-58/4025
	01.2	Non-hardened 0.25–0.55% C	125–225				
	01.3	Non hardened 0.55–0.80% C	150–250	60-110	0.10-0.20	130-210	-51/GC-A
	01.4	High carbon and carbon tool steel	180–275				
		Low alloy steel					
	02.1	Non-hardened	150–260	60-110	0.11-0.18	145-210	-51/GC-A
	02.2	Hardened	220–400		0.10–0.20	100-165	
		High alloy steel					
	03.11	Annealed	50–250		0.10–0.20	125-200	
	03.13	Annealed HSS		60-110			-51/GC-A
	03.21	Hardened tool steel	250–450		0.11–0.18	90-145	
	03.22	Hardened steel					
		Stainless steel					
	05.1	Ferritic, Martensitic 13–25% Cr	150–270	60-110	0.10–0.20	170-240	-58/4025
		Steel castings					
	06.1	Unalloyed	90–225	60-110	0.06–0.12	195-280	-58/4025
	06.2	Low alloyed (alloying elements ≤ 5%)	150–250		0.11–0.18	120-175	-51/GC-A
M		**Stainless steel**					
	05.2	Austenitic Ni > 8% 13–25% Cr	150–270	60-110	0.10–0.16	100-140	-58/235
K		**Malleable**					
	07.1	Ferritic (short chipping)	110–145	60-110	0.16-0.26	140-210	-53/4025
	07.2	Pearlitic (long chipping)	150–270		0.14-0.20	105-155	
		Gray cast iron					
	08.1	Low tensile	150–220	60-110	0.16-0.26	210-280	-53/4025
	08.2	High tensile	200-300		0.14-0.20	125-210	
		Nodular cast iron					
	09.1	Ferritic	125-230	60-110	0.14-0.20	125-195	-53/4025
	09.2	Ferritic	200-300		0.14-0.20	100-180	
N		**Aluminum alloys**					
	30.12	Wrought or wrought and aged	75-150				
	30.21	Forged	40-100	60-110	0.12-0.22	250-400	-53/H13A
	30.22	Cast, solution treated, & aged	70-125				
		Copper and copper alloys					
	33.1	Free cutting alloys (Pb ≥ 1%)	50-160	60-110	0.12-0.22	180-350	-53/H13A
	33.2	Brass and leaded bronzes (Pb ≤ 1%)					

CoroDrill® 860

Internal coolant supply, metric values

3 – 8 × DC

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed (V_c), m/min D_c 3.00 - 20.00 mm
P		**Unalloyed steel**			(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	4234	140-200-250
	P1.1.Z.AN	C = 0.1–0.25%	125	4234	140-200-250
	P1.2.Z.AN	C = 0.25–0.55%	150	4234	140-180-250
	P1.3.Z.AN	C = 0.55–0.80%	170	4234	140-180-250
		High carbon steel			
	P1.3.Z.AN	Carbon tool steel	210	4234	150-170-220
		Low alloy steel			
	P2.1.Z.AN	Non-hardened	175	4234	120-170-240
	P2.5.Z.HT	Hardened and tempered	275	4234	80-110-140
	P2.5.Z.HT	Hardened and tempered	350	4234	60-80-100
		High alloy steel			
	P3.0.Z.AN	Annealed	200	4234	60-120-140
	P3.0.Z.HT	Hardened tool steel	300	4234	60-80-100
		Steel castings			
	P1.5.C.UT	Unalloyed	150	4234	120-170-210
	P2.6.C.UT	Low-alloy (alloying elements ≤5%)	200	4234	120-160-220

Cutting data for CoroDrill® 860 - NM

2 – 3 x DC

ISO	MC No.	Material	Cutting speed (v_c), m/min DC 3.00 - 20.00mm
N		**Aluminum based alloys**	(min-start-max)
	N1.1.Z.UT	Commercial pure	320-400-480
	N1.2.C.NS		320-400-480
	N1.2.S.UT		320-400-480
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	320-400-480
	N1.2.Z.UT	Wrought or wrought and coldworked, non-aging	320-400-480
	N1.3.C.AG	Cast or cast and aged	240-300-360
	N1.3.C.UT	Cast, non-aging	320-400-480
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	200-250-300
	N2.0.C.UT	**Magnesium based alloys**	200-250-300

7 – 8 × DC

ISO	MC No.	Material	Cutting speed (v_c), m/min DC 3.00 - 20.00mm
N		**Aluminum based alloys**	(min-start-max)
	N1.1.Z.UT	Commercial pure	320-400-480
	N1.2.C.NS		320-400-480
	N1.2.S.UT		320-400-480
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	320-400-480
	N1.2.Z.UT	Wrought or wrought and coldworked, non-aging	320-400-480
	N1.3.C.AG	Cast or cast and aged	240-300-360
	N1.3.C.UT	Cast, non-aging	320-400-480
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	200-250-300
	N2.0.C.UT	**Magnesium based alloys**	200-250-300

Cutting data recommendations are valid for internal coolant supply, which gives the best performance.

Preferred pressure min. 15 bar (218 PSI)

If external coolant supply is used:
- More important to adjust cutting data for good chip form and evacuation
- Lower penetration rates than what is possible with internal coolant may be necessary

US ROT

CoroDrill® 860

Internal coolant supply, metric values

3 – 8 × DC

Drill diameter, mm							
3	4	6	8	10	12	16	20
Feed (f_n), inch/rev (min-start-max)							
0.06-0.10-0.20	0.10-0.14-0.24	0.12-0.18-0.28	0.14-0.22-0.32	0.15-0.24-0.39	0.18-0.27-0.42	0.21-0.30-0.45	0.24-0.33-0.48
0.06-0.10-0.20	0.10-0.14-0.24	0.12-0.18-0.28	0.14-0.22-0.32	0.15-0.24-0.39	0.18-0.27-0.42	0.21-0.30-0.45	0.24-0.33-0.48
0.06-0.10-0.20	0.10-0.14-0.24	0.12-0.18-0.28	0.14-0.22-0.32	0.15-0.24-0.39	0.18-0.27-0.42	0.21-0.30-0.45	0.24-0.33-0.48
0.06-0.10-0.20	0.10-0.14-0.24	0.12-0.18-0.28	0.14-0.22-0.32	0.15-0.24-0.39	0.18-0.27-0.42	0.21-0.30-0.45	0.24-0.33-0.48
0.06-0.10-0.20	0.10-0.14-0.24	0.12-0.18-0.28	0.14-0.22-0.32	0.15-0.24-0.39	0.18-0.27-0.42	0.21-0.30-0.45	0.24-0.33-0.48
0.06-0.10-0.20	0.10-0.14-0.24	0.12-0.18-0.28	0.14-0.22-0.30	0.15-0.24-0.39	0.18-0.27-0.42	0.21-0.30-0.45	0.24-0.33-0.48
0.08-0.14-0.20	0.14-0.18-0.24	0.18-0.24-0.32	0.20-0.28-0.36	0.20-0.32-0.40	0.22-0.36-0.44	0.24-0.40-0.48	0.26-0.44-0.50
0.08-0.12-0.18	0.14-0.16-0.22	0.18-0.22-0.30	0.20-0.25-0.33	0.20-0.29-0.37	0.22-0.33-0.41	0.24-0.36-0.42	0.26-0.40-0.48
0.08-0.14-0.22	0.10-0.18-0.24	0.12-0.20-0.26	0.15-0.22-0.28	0.16-0.24-0.32	0.18-0.28-0.40	0.20-0.30-0.42	0.22-0.32-0.44
0.08-0.12-0.16	0.10-0.15-0.18	0.12-0.18-0.22	0.15-0.20-0.28	0.16-0.22-0.32	0.18-0.26-0.36	0.20-0.28-0.40	0.22-0.30-0.42
0.06-0.10-0.20	0.10-0.14-0.24	0.12-0.18-0.28	0.14-0.22-0.30	0.15-0.24-0.39	0.18-0.27-0.42	0.21-0.30-0.45	0.24-0.33-0.48
0.06-0.10-0.20	0.10-0.14-0.24	0.12-0.18-0.28	0.14-0.22-0.30	0.15-0.24-0.39	0.18-0.27-0.42	0.21-0.30-0.45	0.24-0.33-0.48

Cutting data for CoroDrill® 860 - NM

2 – 3 x DC

Drill diameter, mm							
3	4	6	8	10	12	16	20
Feed (f_n), inch/rev (min-start-max)							
0.20-0.25-0.30	0.260-0.325-0.390	0.426-0.533-0.639	0.64-0.80-0.96	0.8-1.0-1.2	0.88-1.20-1.44	0.96-1.20-1.44	0.96-1.20-1.44
0.20-0.25-0.30	0.260-0.325-0.390	0.426-0.533-0.639	0.64-0.80-0.96	0.8-1.0-1.2	0.88-1.20-1.44	0.96-1.20-1.44	0.96-1.20-1.44
0.20-0.25-0.30	0.260-0.325-0.390	0.426-0.533-0.639	0.64-0.80-0.96	0.8-1.0-1.2	0.88-1.20-1.44	0.96-1.20-1.44	0.96-1.20-1.44
0.20-0.25-0.30	0.260-0.325-0.390	0.426-0.533-0.639	0.64-0.80-0.96	0.8-1.0-1.2	0.88-1.20-1.44	0.96-1.20-1.44	0.96-1.20-1.44
0.20-0.25-0.30	0.260-0.325-0.390	0.426-0.533-0.639	0.64-0.80-0.96	0.8-1.0-1.2	0.88-1.20-1.44	0.96-1.20-1.44	0.96-1.20-1.44
0.20-0.25-0.30	0.260-0.325-0.390	0.426-0.533-0.639	0.64-0.80-0.96	0.8-1.0-1.2	0.88-1.20-1.44	0.96-1.20-1.44	0.96-1.20-1.44
0.20-0.25-0.30	0.260-0.325-0.390	0.426-0.533-0.639	0.64-0.80-0.96	0.8-1.0-1.2	0.88-1.20-1.44	0.96-1.20-1.44	0.96-1.20-1.44
0.144-0.180-0.216	0.176-0.220-0.264	0.254-0.317-0.380	0.344-0.430-0.516	0.44-0.55-0.66	0.56-0.70-0.84	0.56-0.70-0.84	0.592-0.740-0.888
0.144-0.180-0.216	0.176-0.220-0.264	0.254-0.317-0.380	0.344-0.430-0.516	0.44-0.55-0.66	0.56-0.70-0.84	0.56-0.70-0.84	0.592-0.740-0.888

7 – 8 × DC

Drill diameter, mm							
3	4	6	8	10	12	16	20
Feed (f_n), inch/rev (min-start-max)							
0.144-0.18-0.216	0.176-0.220-0.264	0.254-0.317-0.380	0.344-0.430-0.516	0.44-0.55-0.66	0.56-0.70-0.84	0.56-0.70-0.84	0.592-0.740-0.888
0.144-0.18-0.216	0.176-0.220-0.264	0.254-0.317-0.380	0.344-0.430-0.516	0.44-0.55-0.66	0.56-0.70-0.84	0.56-0.70-0.84	0.592-0.740-0.888
0.144-0.18-0.216	0.176-0.220-0.264	0.254-0.317-0.380	0.344-0.430-0.516	0.44-0.55-0.66	0.56-0.70-0.84	0.56-0.70-0.84	0.592-0.740-0.888
0.144-0.18-0.216	0.176-0.220-0.264	0.254-0.317-0.380	0.344-0.430-0.516	0.44-0.55-0.66	0.56-0.70-0.84	0.56-0.70-0.84	0.592-0.740-0.888
0.144-0.18-0.216	0.176-0.220-0.264	0.254-0.317-0.380	0.344-0.430-0.516	0.44-0.55-0.66	0.56-0.70-0.84	0.56-0.70-0.84	0.592-0.740-0.888
0.144-0.18-0.216	0.176-0.220-0.264	0.254-0.317-0.380	0.344-0.430-0.516	0.44-0.55-0.66	0.56-0.70-0.84	0.56-0.70-0.84	0.592-0.740-0.888
0.144-0.18-0.216	0.176-0.220-0.264	0.254-0.317-0.380	0.344-0.430-0.516	0.44-0.55-0.66	0.56-0.70-0.84	0.56-0.70-0.84	0.592-0.740-0.888
0.12-0.15-0.18	0.144-0.180-0.216	0.20-0.25-0.30	0.264-0.330-0.396	0.336-0.420-0.504	0.384-0.480-0.576	0.44-0.55-0.66	0.464-0.580-0.696
0.12-0.15-0.18	0.144-0.180-0.216	0.20-0.25-0.30	0.264-0.330-0.396	0.336-0.420-0.504	0.384-0.480-0.576	0.44-0.55-0.66	0.464-0.580-0.696

CoroDrill® 860

Internal coolant supply, inch values

3 – 8 × DC

ISO	MC No.	Material	Hardness Brinell HB	Grade	Cutting speed (v_c), ft/min D_c .1181 - .7874 inch
P		**Unalloyed steel**			(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	4234	460-655-820
	P1.1.Z.AN	C = 0.1–0.25%	125	4234	460-655-820
	P1.2.Z.AN	C = 0.25–0.55%	150	4234	460-590-820
	P1.3.Z.AN	C = 0.55–0.80%	170	4234	460-590-755
		High carbon steel			
	P1.3.Z.AN	Carbon tool steel	210	4234	490-560-720
		Low alloy steel			
	P2.1.Z.AN	Non-hardened	175	4234	395-560-785
	P2.5.Z.HT	Hardened and tempered	275	4234	260-360-460
	P2.5.Z.HT	Hardened and tempered	350	4234	195-260-330
		High alloy steel			
	P3.0.Z.AN	Annealed	200	4234	195-395-460
	P3.0.Z.HT	Hardened tool steel	300	4234	195-260-330
		Steel castings			
	P1.5.C.UT	Unalloyed	150	4234	395-560-690
	P2.6.C.UT	Low-alloy (alloying elements ≤5%)	200	4234	395-525-720

Cutting data for CoroDrill® 860 - NM

2 – 3 x DC

ISO	MC No.	Material	Cutting speed (v_c), ft/min DC .1181 - .7874 inch
N		**Aluminum based alloys**	(min-start-max)
	N1.1.Z.UT	Commercial pure	1050-1312-1575
	N1.2.C.NS		1050-1312-1575
	N1.2.S.UT		1050-1312-1575
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	1050-1312-1575
	N1.2.Z.UT	Wrought or wrought and coldworked, non-aging	1050-1312-1575
	N1.3.C.AG	Cast or cast and aged	787-984-1181
	N1.3.C.UT	Cast, non-aging	1050-1312-1575
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	656-820-984
	N2.0.C.UT	**Magnesium based alloys**	656-820-984

7 – 8 × DC

ISO	MC No.	Material	Cutting speed (v_c), ft/min DC .1181 - .7874 inch
N		**Aluminum based alloys**	(min-start-max)
	N1.1.Z.UT	Commercial pure	1050-1312-1575
	N1.2.C.NS		1050-1312-1575
	N1.2.S.UT		1050-1312-1575
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	1050-1312-1575
	N1.2.Z.UT	Wrought or wrought and coldworked, non-aging	1050-1312-1575
	N1.3.C.AG	Cast or cast and aged	787-984-1181
	N1.3.C.UT	Cast, non-aging	1050-1312-1575
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	656-820-984
	N2.0.C.UT	**Magnesium based alloys**	656-820-984

Cutting data recommendations are valid for internal coolant supply, which gives the best performance.

Preferred pressure min. 15 bar (218 PSI)

If external coolant supply is used:
- More important to adjust cutting data for good chip form and evacuation
- Lower penetration rates than what is possible with internal coolant may be necessary

CoroDrill® 860

Internal coolant supply, inch values

3 – 8 × DC

Drill diameter, inch							
.1181	.1575	.2362	.3150	.3937	.4724	.6299	.7874
Feed (f_n), inch/r (min-start-max)							
.0024-.0039-.0079	.0039-.0055-.0094	.0047-.0071-.0110	.0055-.0087-.0126	.0059-.0094-.0154	.0071-.0106-.0165	.0083-.0118-.0177	.0094-.0130-.0189
.0024-.0039-.0079	.0039-.0055-.0094	.0047-.0071-.0110	.0055-.0087-.0126	.0059-.0094-.0154	.0071-.0106-.0165	.0083-.0118-.0177	.0094-.0130-.0189
.0024-.0039-.0079	.0039-.0055-.0094	.0047-.0071-.0110	.0055-.0087-.0126	.0059-.0094-.0154	.0071-.0106-.0165	.0083-.0118-.0177	.0094-.0130-.0189
.0024-.0039-.0079	.0039-.0055-.0094	.0047-.0071-.0110	.0055-.0087-.0126	.0059-.0094-.0154	.0071-.0106-.0165	.0083-.0118-.0177	.0094-.0130-.0189
.0024-.0039-.0079	.0039-.0055-.0094	.0047-.0071-.0110	.0055-.0087-.0126	.0059-.0094-.0154	.0071-.0106-.0165	.0083-.0118-.0177	.0094-.0130-.0189
.0031-.0039-.0079	.0039-.0055-.0094	.0047-.0071-.0110	.0055-.0087-.0118	.0059-.0094-.0154	.0071-.0106-.0165	.0083-.0118-.0177	.0094-.0130-.0189
.0031-.0055-.0079	.0055-.0071-.0094	.0071-.0094-.0126	.0079-.0110-.0142	.0079-.0126-.0157	.0087-.0142-.0173	.0094-.0157-.0189	.0102-.0173-.0197
.0031-.0047-.0071	.0055-.0063-.0087	.0071-.0087-.0118	.0079-.0098-.0130	.0079-.0114-.0146	.0087-.0130-.0161	.0094-.0142-.0165	.0105-.0157-.0189
.0031-.0055-.0087	.0039-.0071-.0094	.0047-.0079-.0102	.0059-.0087-.0110	.0063-.0094-.0126	.0071-.0110-.0157	.0079-.0118-.0165	.0087-.0126-.0173
.0031-.0047-.0063	.0039-.0059-.0071	.0047-.0071-.0087	.0059-.0079-.0110	.0063-.0087-.0126	.0071-.0102-.0142	.0079-.0110-.0157	.0087-.0118-.0165
.0031-.0039-.0079	.0039-.0055-.0094	.0047-.0071-.0110	.0055-.0087-.0118	.0059-.0094-.0154	.0071-.0106-.0165	.0083-.0118-.0177	.0094-.0130-.0189
.0031-.0039-.0079	.0039-.0055-.0094	.0047-.0071-.0110	.0055-.0087-.0118	.0059-.0094-.0154	.0071-.0106-.0165	.0083-.0118-.0177	.0094-.0130-.0189

Cutting data for CoroDrill® 860 - NM

2 – 3 x DC

Drill diameter, inch							
.1181	.1575	.2362	.3150	.3937	.4724	.6299	.7874
Feed (f_n), inch/r (min-start-max)							
.0079-.0098-.0118	.0102-.0128-.0154	.0168-.0210-.0252	.0252-.0315-.0378	.0346-.0315-.0378	.0346-.0433-.0520	.0378-.0472-.0567	.0378-.0472-.0567
.0079-.0098-.0118	.0102-.0128-.0154	.0168-.0210-.0252	.0252-.0315-.0378	.0346-.0315-.0378	.0346-.0433-.0520	.0378-.0472-.0567	.0378-.0472-.0567
.0079-.0098-.0118	.0102-.0128-.0154	.0168-.0210-.0252	.0252-.0315-.0378	.0346-.0315-.0378	.0346-.0433-.0520	.0378-.0472-.0567	.0378-.0472-.0567
.0079-.0098-.0118	.0102-.0128-.0154	.0168-.0210-.0252	.0252-.0315-.0378	.0346-.0315-.0378	.0346-.0433-.0520	.0378-.0472-.0567	.0378-.0472-.0567
.0079-.0098-.0118	.0102-.0128-.0154	.0168-.0210-.0252	.0252-.0315-.0378	.0346-.0315-.0378	.0346-.0433-.0520	.0378-.0472-.0567	.0378-.0472-.0567
.0079-.0098-.0118	.0102-.0128-.0154	.0168-.0210-.0252	.0252-.0315-.0378	.0346-.0315-.0378	.0346-.0433-.0520	.0378-.0472-.0567	.0378-.0472-.0567
.0079-.0098-.0118	.0102-.0128-.0154	.0168-.0210-.0252	.0252-.0315-.0378	.0346-.0315-.0378	.0346-.0433-.0520	.0378-.0472-.0567	.0378-.0472-.0567
.0057-.0071-.0085	.0069-.0087-.0104	.0100-.0125-.0150	.0135-.0169-.0203	.0220-.0169-.0203	.0220-.0276-.0331	.0220-.0276-.0331	.0233-.0291-.0350
.0057-.0071-.0085	.0069-.0087-.0104	.0100-.0125-.0150	.0135-.0169-.0203	.0220-.0169-.0203	.0220-.0276-.0331	.0220-.0276-.0331	.0233-.0291-.0350

7 – 8 × DC

Drill diameter, inch							
.1181	.1575	.2362	.3150	.3937	.4724	.6299	.7874
Feed (f_n), inch/r (min-start-max)							
.0057-.0071-.0085	.0069-.0087-.0104	.0100-.0125-.0150	.0135-.0169-.0203	.0173-.0217-.0260	.0220-.0276-.0331	.0220-.0276-.0331	.0233-.0291-.0350
.0057-.0071-.0085	.0069-.0087-.0104	.0100-.0125-.0150	.0135-.0169-.0203	.0173-.0217-.0260	.0220-.0276-.0331	.0220-.0276-.0331	.0233-.0291-.0350
.0057-.0071-.0085	.0069-.0087-.0104	.0100-.0125-.0150	.0135-.0169-.0203	.0173-.0217-.0260	.0220-.0276-.0331	.0220-.0276-.0331	.0233-.0291-.0350
.0057-.0071-.0085	.0069-.0087-.0104	.0100-.0125-.0150	.0135-.0169-.0203	.0173-.0217-.0260	.0220-.0276-.0331	.0220-.0276-.0331	.0233-.0291-.0350
.0057-.0071-.0085	.0069-.0087-.0104	.0100-.0125-.0150	.0135-.0169-.0203	.0173-.0217-.0260	.0220-.0276-.0331	.0220-.0276-.0331	.0233-.0291-.0350
.0057-.0071-.0085	.0069-.0087-.0104	.0100-.0125-.0150	.0135-.0169-.0203	.0173-.0217-.0260	.0220-.0276-.0331	.0220-.0276-.0331	.0233-.0291-.0350
.0057-.0071-.0085	.0069-.0087-.0104	.0100-.0125-.0150	.0135-.0169-.0203	.0173-.0217-.0260	.0220-.0276-.0331	.0220-.0276-.0331	.0233-.0291-.0350
.0047-.0059-.0071	.0057-.0071-.0085	.0079-.0098-.0118	.0104-.0130-.0156	.0132-.0165-.0198	.0151-.0189-.0227	.0173-.0217-.0260	.0183-.0228-.0274
.0047-.0059-.0071	.0057-.0071-.0085	.0079-.0098-.0118	.0104-.0130-.0156	.0132-.0165-.0198	.0151-.0189-.0227	.0173-.0217-.0260	.0183-.0228-.0274

Cutting data recommendations are valid for internal coolant supply, which gives the best performance.

Preferred pressure min. 15 bar (218 PSI)

If external coolant supply is used:
- More important to adjust cutting data for good chip form and evacuation
- Lower penetration rates than what is possible with internal coolant may be necessary

CoroDrill® 860

Internal coolant supply

Metric values

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (v_c), m/min DC 3.00 - 16.00mm	
M		**Austenitic stainless steel**		(min-start-max)	
	M1.0.C.UT	Cast+untreated	165	48 - 60 - 72	
	M1.0.Z.AQ	Annealed/quenched	200	48 - 60 - 72	
	M1.0.Z.PH	PH-hardened	350	44 - 55 - 66	
	M1.1.Z.AQ	Machinability improved	165	48 - 60 - 72	
	M1.2.Z.AQ	Free cutting	200	48 - 60 - 72	
	M1.3.C.AQ	Ti-stabilized+cast	200	48 - 60 - 72	
	M1.3.Z.AQ	Ti-stabilized	200	48 - 60 - 72	
	M1.4.Z.AQ	High strength	250	64 - 80 - 96	
		Super austenitic (Ni>20%) stainless steel			
	M2.0.C.AQ	Cast+annealed/quenched	165	48 - 60 - 72	
	M2.0.Z.AQ	Annealed/quenched	200	48 - 60 - 72	
		Duplex (austenitic/ferritic) stainless steel			
	M3.1.Z.AQ	>60% ferrite (N<0.10%)	250	64 - 80 - 96	
	M3.2.Z.AQ	<60% ferrite (N≥0.10%)	250	64 - 80 - 96	

Inch values

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (V_c) ft/min DC .1181 - .6299 inch	
M		**Austenitic stainless steel**		(min-start-max)	
	M1.0.C.UT	Cast+untreated	165	157 - 197 - 236	
	M1.0.Z.AQ	Annealed/quenched	200	157 - 197 - 236	
	M1.0.Z.PH	PH-hardened	350	144 - 180 - 217	
	M1.1.Z.AQ	Machinability improved	165	157 - 197 - 236	
	M1.2.Z.AQ	Free cutting	200	157 - 197 - 236	
	M1.3.C.AQ	Ti-stabilized+cast	200	157 - 197 - 236	
	M1.3.Z.AQ	Ti-stabilized	200	157 - 197 - 236	
	M1.4.Z.AQ	High strength	250	210 - 262 - 315	
		Super austenitic (Ni>20%) stainless steel			
	M2.0.C.AQ	Cast+annealed/quenched	165	157 - 197 - 236	
	M2.0.Z.AQ	Annealed/quenched	200	157 - 197 - 236	
		Duplex (austenitic/ferritic) stainless steel			
	M3.1.Z.AQ	>60% ferrite (N<0.10%)	250	210 - 262 - 315	
	M3.2.Z.AQ	<60% ferrite (N≥0.10%)	250	210 - 262 - 315	

CoroDrill® 860

Internal coolant supply

Metric values

Drill diameter						
3	4	6	8	10	12	16
Feed (fn) mm/rev (min-start-max)						
0.058-0.072-0.086	0.073-0.091-0.109	0.103-0.129-0.155	0.134-0.168-0.202	0.134-0.168-0.202	0.162-0.202-0.242	0.214-0.268-0.322
0.080-0.100-0.120	0.080-0.100-0.120	0.088-0.110-0.132	0.096-0.120-0.144	0.112-0.140-0.168	0.128-0.160-0.192	0.160-0.200-0.240
0.032-0.040-0.048	0.032-0.040-0.048	0.058-0.073-0.088	0.096-0.120-0.144	0.122-0.140-0.168	0.128-0.160-0.192	0.160-0.200-0.240
0.058-0.072-0.086	0.073-0.091-0.109	0.103-0.129-0.155	0.134-0.168-0.202	0.134-0.168-0.202	0.162-0.202-0.242	0.214-0.268-0.322
0.080-0.100-0.120	0.080-0.100-0.120	0.088-0.110-0.132	0.096-0.120-0.144	0.112-0.140-0.168	0.128-0.160-0.192	0.160-0.200-0.240
0.080- 0.100-0.120	0.080-0.100-0.120	0.088-0.110-0.132	0.096-0.120-0.144	0.112-0.140-0.168	0.128-0.160-0.192	0.160-0.200-0.240
0.080-0.100-0.120	0.080-0.100-0.120	0.088-0.110-0.132	0.096-0.120-0.144	0.112-0.140-0.168	0.128-0.160-0.192	0.160-0.200-0.240
0.080-0.100-0.120	0.080-0.100-0.120	0.088-0.110-0.132	0.096-0.120-0.144	0.112-0.140-0.168	0.128-0.160-0.192	0.160-0.200-0.240
0.058-0.072-0.086	0.073-0.091-0.109	0.103-0.129-0.155	0.134-0.168-0.202	0.134-0.168-0.202	0.162-0.202-0.242	0.214-0.268-0.322
0.080-0.100-0.120	0.080-0.100-0.120	0.088-0.110-0.132	0.096-0.120-0.144	0.112-0.140-0.168	0.128-0.160-0.192	0.160-0.200-0.240
0.080-0.100-0.120	0.080-0.100-0.120	0.088-0.110-0.132	0.096-0.120-0.144	0.112-0.140-0.168	0.128-0.160-0.192	0.160-0.200-0.240
0.080-0.100-0.120	0.080-0.100-0.120	0.088-0.110-0.132	0.096-0.120-0.144	0.112-0.140-0.168	0.128-0.160-0.192	0.160-0.200-0.240

Inch values

Drill diameter, inch						
.1181	.1575	.2362	.315	.3937	.4724	.6299
Feed (f_n), inch/r (min-start-max)						
.0023-.0028-.0034	.0029-.0036-.0043	.0041-.0051-.0061	.0053-.0066-.0080	.0053-.0066-.0080	.0064-.0080-.0095	.0084-.0106-.0127
.0031-.0039-.0047	.0031-.0039-.0047	.0035-.0043-.0052	.0038-.0047-.0057	.0044-.0055-.0066	.0050-.0063-.0076	.0063-.0079-.0094
.0013-.0016-.0019	.0013-.0016-.0019	.0023-.0029-.0035	.0038-.0047-.0057	.0044-.0055-.0066	.0050-.0063-.0076	.0063-.0079-.0094
.0023-.0028-.0034	.0029-.0036-.0043	.0041-.0051-.0061	.0053-.0066-.0080	.0053-.0066-.0080	.0064-.0080-.0095	.0084-.0106-.0127
.0031-.0039-.0047	.0031-.0039-.0047	.0035-.0043-.0052	.0038-.0047-.0057	.0044-.0055-.0066	.0050-.0063-.0076	.0063-.0079-.0094
.0031-.0039-.0047	.0031-.0039-.0047	.0035-.0043-.0052	.0038-.0047-.0057	.0044-.0055-.0066	.0050-.0063-.0076	.0063-.0079-.0094
.0031-.0039-.0047	.0031-.0039-.0047	.0035-.0043-.0052	.0038-.0047-.0057	.0044-.0055-.0066	.0050-.0063-.0076	.0063-.0079-.0094
.0031-.0039-.0047	.0031-.0039-.0047	.0035-.0043-.0052	.0038-.0047-.0057	.0044-.0055-.0066	.0050-.0063-.0076	.0063-.0079-.0094
.0023-.0028-.0034	.0029-.0036-.0043	.0041-.0051-.0061	.0053-.0066-.0080	.0053-.0066-.0080	.0064-.0080-.0095	.0084-.0106-.0127
.0031-.0039-.0047	.0031-.0039-.0047	.0035-.0043-.0052	.0038-.0047-.0057	.0044-.0055-.0066	.0050-.0063-.0076	.0063-.0079-.0094
.0031-.0039-.0047	.0031-.0039-.0047	.0035-.0043-.0052	.0038-.0047-.0057	.0044-.0055-.0066	.0050-.0063-.0076	.0063-.0079-.0094
.0031-.0039-.0047	.0031-.0039-.0047	.0035-.0043-.0052	.0038-.0047-.0057	.0044-.0055-.0066	.0050-.0063-.0076	.0063-.0079-.0094

CoroDrill® Delta-C

Metric values

ISO	CMC No.	Material	Hardness Brinell HB	Grades	Cutting speed (V_c), m/min	Drill diameter, mm 3.00–6.00	6.01–10.00	10.01–14.00	14.01–20.00
						Feed f_n mm/rev			
S		**Heat resistant super alloys – Nickel base**							
	20.21	Annealed or solution treated	250	1220	15-35	0.06-0.12	0.08-0.15	0.08-0.15	0.10-0.16
	20.22	Aged or solution treated and aged	350	1220	15-35	0.06-0.12	0.08-0.15	0.08-0.15	0.10-0.16
	20.24	Cast or cast and aged	320	1220	15-35	0.06-0.12	0.08-0.15	0.08-0.15	0.10-0.16
		Titanium alloys							
	23.21	α, near α and α + β alloys, annealed	Rm[2] = 850	1220	30-50	0.06-0.12	0.08-0.20	0.14-0.28	0.16-0.30
	23.22	α + β alloys in aged cond, β alloys, annealed or aged	Rm[2] =1050	1220	30-50	0.06-0.12	0.08-0.20	0.14-0.28	0.16-0.30

Inch values

ISO	CMC No.	Material	Hardness Brinell HB	Grades	Cutting speed (V_c) ft/min	Drill diameter, inch .118-.236 inch	.237-.394 inch	.395-.551 inch	.552-.787 inch
						Feed f_n inch/r			
S		**Heat resistant super alloys – Nickel base**							
	20.21	Annealed or solution treated	250	1220	50-110	.002-.005	.003-.006	.003-.006	.004-.006
	20.22	Aged or solution treated and aged	350	1220	50-110	.002-.005	.003-.006	.003-.006	.004-.006
	20.24	Cast or cast and aged	320	1220	50-110	.002-.005	.003-.006	.003-.006	.004-.006
		Titanium alloys							
	23.21	α, near α and α + β alloys, annealed	Rm[2] = 850	1220	100-160	.002-.005	.003-.008	.006-.011	.006-.012
	23.22	α + β alloys in aged cond, β alloys, annealed or aged	Rm[2] =1050	1220	100-160	.002-.005	.003-.008	.006-.011	.006-.012


SANDVIK
Coromant

CoroDrill® 861 - GP

Metric values

ISO	MC No.	CMC No.	Material	Hardness Brinell HB	Cutting speed v_c m/min Min.	Max
P			**Unalloyed steel**			
	P1.1.Z.AN	01.1	C=0.1-0.25%	125	76	150
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	76	150
			Low alloy steel			
	P2.2.Z.AN	02.1	Annealed	240	52	114
	P2.5.Z.HT	02.2	Hardened and tempered	330	52	114
			High alloy steel			
	P3.0.Z.AN	03.11	Annealed	200	52	114
	P4.0.S.NS		**Sintered steels**	150	76	132
			Stainless steel			
	P5.1.Z.AN	05.11 /15.11	Ferritic/Martensitic	200	24	114
M			**Stainless steel**			
	M1.0.Z.AQ	05.21/15.21	Austenitic	200	24	66
	M2.0.Z.AQ	05.21/15.21	Super austenitic Ni≥20%	200	24	42
	M3.2.Z.AQ	05.52/15.52	Duplex (austenitic/ferritic)	260	24	36
K			**Malleable cast iron**			
	K1.1.C.NS	07.1/07.2	Ferritic/Pearlitic	200	64	96
			Gray cast iron			
	K2.1.C.UT	08.1	Low tensile strength	180	88	132
	K2.2.C.UT	08.2	High tensile strength	245	64	96
			Nodular cast iron			
	K3.1.C.UT	09.1	Ferritic	155	64	96
	K3.3.C.UT	09.2	Pearlitic	265	64	96
	K5.1.C.NS		**ADI**	300	64	96
N			**Aluminum based alloys**			
	N1.1.Z.UT		Commercial pure	30	200	300
	N1.2.Z.AG		AlSi alloys, Si ≤ 1%	100	200	300
	N1.3.C.AG	30.21	AlSi cast alloys, Si > 1% and < 13%	90	120	240
	N1.4.C.NS		AlSi cast alloys, Si ≥ 13%	130	120	180
	N2.0.C.UT		**Magnesium based alloys**	70	120	240
			Copper based alloys			
	N3.1.U.UT		Non-leaded copper alloys (incl. electrolytic copper)	100	100	150
	N3.2.C.UT		Leaded brass & bronzes (Pb ≤ 1%)	90	176	264
	N3.3.U.UT		Free cutting copper based alloys (Pb>1%)	110	176	264
	N3.4.C.UT		high strength bronzes (>225HB)	300	80	120
	N4.0.C.UT		**Zinc based alloys**	70	76	264

CoroDrill® 861 - GP

Metric values

Drill diameter, Dc													
f_n mm/rev													
3.00-3.99		4.00-4.99		5.00-5.99		6.00-7.99		8.00-9.99		10.00-11.99		12.00	
Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.06	0.08	0.07	0.09	0.08	0.10	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.29
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.39
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.29
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.39
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39

CoroDrill® 861 - GP

Inch values

ISO	MC No.	CMC No.	Material	Hardness Brinell HB	Cutting speed v_c ft/min Min.	Max
P			**Unalloyed steel**			
	P1.1.Z.AN	01.1	C=0.1-0.25%	125	250	490
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	250	490
			Low alloy steel			
	P2.2.Z.AN	02.1	Annealed	240	170	375
	P2.5.Z.HT	02.2	Hardened and tempered	330	170	375
			High alloy steel			
	P3.0.Z.AN	03.11	Annealed	200	170	375
	P4.0.S.NS		**Sintered steels**	150	250	433
			Stainless steel			
	P5.1.Z.AN	05.11 /15.11	Ferritic/Martensitic	200	80	375
M			**Stainless steel**			
	M1.0.Z.AQ	05.21/15.21	Austenitic	200	80	215
	M2.0.Z.AQ	05.21/15.21	Super austenitic Ni≥20%	200	80	140
	M3.2.Z.AQ	05.52/15.52	Duplex (austenitic/ferritic)	260	80	120
K			**Malleable cast iron**			
	K1.1.C.NS	07.1/07.2	Ferritic/Pearlitic	200	210	315
			Gray cast iron			
	K2.1.C.UT	08.1	Low tensile strength	180	290	435
	K2.2.C.UT	08.2	High tensile strength	245	210	315
			Nodular cast iron			
	K3.1.C.UT	09.1	Ferritic	155	210	315
	K3.2.C.UT	09.2	Pearlitic	265	210	315
	K5.1.C.NS		**ADI**	300	210	315
N			**Aluminum based alloys**			
	N1.1.Z.UT		Commercial pure	30	655	985
	N1.2.Z.AG		AlSi alloys, Si ≤ 1%	100	655	985
	N1.3.C.AG	30.21	AlSi cast alloys, Si > 1% and < 13%	90	395	785
	N1.4.C.NS		AlSi cast alloys, Si ≥ 13%	130	395	590
	N2.0.C.UT		**Magnesium based alloys**	70	395	785
			Copper based alloys			
	N3.1.U.UT		Non-leaded copper alloys (incl. electrolytic copper)	100	330	490
	N3.2.C.UT		Leaded brass & bronzes (Pb ≤ 1%)	90	575	865
	N3.3.U.UT		Free cutting copper based alloys (Pb>1%)	110	575	865
	N3.4.C.UT		high strength bronzes (>225HB)	300	260	395
	N4.0.C.UT		**Zinc based alloys**	70	250	865

CoroDrill® 861 - GP

Inch values

Drill diameter, Dc													
f_n inch/rev.													
.1181-.1571		.1572-.1964		.1965-.2358		.2359-.3146		.3147-.3933		.3934-.4720		.4721	
Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	.0098	.0130	.0110	.0150
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	.0098	.0130	.0110	.0150
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.0110
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.0110
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.0110
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	0098	.0130	.0110	.0150
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.0110
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.0110
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.0110
.0024	.0031	.0028	.0035	.0031	.0039	.0039	.0047	.0051	.0059	.0063	.0071	.0075	.0083
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0114
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0154
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0114
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0154
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154

CoroDrill® 861 -GM

12 - 15 x D_c

Metric values

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (v_c), m/min Min.	Max
P		**Unalloyed steel**			
	P1.1.Z.AN	C=0.10-0.25%	125	80	156
	P1.2.Z.AN	C=0.25-0.55%	190	80	156
		Low alloy steel			
	P2.2.Z.AN	Annealed	240	64	120
	P2.5.Z.HT	Hardened and tempered	330	64	120
		High alloy steel			
	P3.0.Z.AN	Annealed	200	64	120
	P4.0.S.NS	**Sintered steels**	150	80	132
		Stainless steel			
	P5.1.Z.AN	Ferritic/Martensitic	200	20	120
M		**Stainless steel**			
	M1.0.Z.AQ	Austenitic	200	20	42
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	20	36
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	20	30
K					
	K1.1.C.NS	**Malleable cast iron (ferritic, pearlitic)**	200	60	90
		Gray cast iron			
	K2.1.C.UT	Low tensile strength	180	92	138
	K2.2.C.UT	High tensile strength	245	60	90
		Nodular cast iron			
	K3.1.C.UT	Ferritic	155	60	90
	K3.3.C.UT	Pearlitic	265	60	90
	K5.1.C.NS	**ADI**	300	60	90
N		**Aluminum based alloys**			
	N1.1.Z.UT	Commercial pure	30	216	324
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	216	324
	N1.3.C.AG	AlSi cast alloys, Si > 1% and < 13%	90	72	216
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	72	108
	N2.0.C.UT	**Magnesium based alloys**	70	72	216
		Copper based alloys			
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	100	150
	N3.2.C.UT	Leaded brass & bronzes (Pb ≤ 1%)	90	176	264
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	176	264
	N3.4.C.UT	high strength bronzes (>225HB)	300	80	120
	N4.0.C.UT	**Zinc based alloys**	70	176	264

US ROT

CoroDrill® 861 -GM

12 - 15 x D_c

Metric values

Drill diameter, D_c
f_n mm/rev

3.00-3.99		4.00-4.99		5.00-5.99		6.00-7.99		8.00-9.99		10.00-11.99		12.00-14.99		15.00-15.99		16.00-17.99		18.00-20.00	
Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38	0.31	0.42	0.32	0.43	0.34	0.45
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38	0.31	0.42	0.32	0.43	0.34	0.45
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38	0.31	0.42	0.32	0.43	0.34	0.45
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38	0.31	0.42	0.32	0.43	0.34	0.45
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38	0.31	0.42	0.32	0.43	0.34	0.45
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38	0.31	0.42	0.32	0.43	0.34	0.45
0.10	0.13	0.12	0.15	0.13	0.17	0.15	0.20	0.20	0.26	0.25	0.33	0.28	0.38	0.31	0.42	0.32	0.43	0.34	0.45
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28	0.22	0.31	0.23	0.32	0.25	0.34
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28	0.22	0.31	0.23	0.32	0.25	0.34
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28	0.22	0.31	0.23	0.32	0.25	0.34
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.33	0.33	0.35
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39	0.41	0.43	0.42	0.44	0.44	0.46
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.33	0.33	0.35
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.33	0.33	0.35
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.33	0.33	0.35
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.33	0.33	0.35
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39	0.41	0.43	0.42	0.44	0.44	0.46
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39	0.41	0.43	0.42	0.44	0.44	0.46
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39	0.41	0.43	0.42	0.44	0.44	0.46
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39	0.41	0.43	0.42	0.44	0.44	0.46
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39	0.41	0.43	0.42	0.44	0.44	0.46
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.33	0.33	0.35
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.33	0.33	0.35
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.33	0.33	0.35
0.06	0.08	0.07	0.09	0.08	0.10	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21	0.21	0.23	0.22	0.24	0.24	0.26
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.33	0.33	0.35

CoroDrill® 861 -GM

20 - 30 x D_c

Metric values

ISO	MC No.	CMC No.	Material	Hardness Brinell HB	Cutting speed (v_c), m/min Min.	Max
P			**Unalloyed steel**			
	P1.1.Z.AN	01.1	C=0.10-0.25%	125	72	140
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	72	140
			Low alloy steel			
	P2.2.Z.AN	02.1	Annealed	240	58	135
	P2.5.Z.HT	02.2	Hardened and tempered	330	58	135
			High alloy steel			
	P3.0.Z.AN	03.11	Annealed	200	58	135
	P4.0.S.NS		**Sintered steels**	150	72	119
			Stainless steel			
	P5.1.Z.AN	05.11 /15.11	Ferritic/Martensitic	200	19	108
M			**Stainless steel**			
	M1.0.Z.AQ	05.21/15.21	Austenitic	200	19	38
	M2.0.Z.AQ	05.21/15.21	Super austenitic Ni≥20%	200	19	33
	M3.2.Z.AQ	05.52/15.52	Duplex (austenitic/ferritic)	260	19	28
K						
	K1.1.C.NS	07.1/07.2	**Malleable cast iron**	200	55	82
			Gray cast iron			
	K2.1.C.UT	08.1	Low tensile strength	180	92	138
	K2.2.C.UT	08.2	High tensile strength	245	55	82
			Nodular cast iron			
	K3.1.C.UT	09.1	Ferritic	155	55	82
	K3.3.C.UT	09.2	Pearlitic	265	55	82
	K5.1.C.NS		**ADI**	300	55	82
N			**Aluminum based alloys**			
	N1.1.Z.UT		Commercial pure	30	194	292
	N1.2.Z.AG		AlSi alloys, Si ≤ 1%	100	194	292
	N1.3.C.AG	30.21	AlSi cast alloys, Si > 1% and < 13%	90	65	194
	N1.4.C.NS		AlSi cast alloys, Si ≥ 13%	130	65	97
	N2.0.C.UT		**Magnesium based alloys**	70	65	194

CoroDrill® 861 -GM

20 - 30 x D_c

Metric values

Drill diameter D_c f_n mm/rev													
3.00-3.99		4.00-4.99		5.00-5.99		6.00-7.99		8.00-9.99		10.00-11.99		12.00	
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.07	0.10	0.08	0.12	0.09	0.13	0.11	0.15	0.14	0.20	0.17	0.25	0.20	0.28
0.04	0.07	0.05	0.08	0.06	0.09	0.07	0.11	0.09	0.14	0.11	0.17	0.13	0.20
0.04	0.07	0.05	0.08	0.06	0.09	0.07	0.11	0.09	0.14	0.11	0.17	0.13	0.20
0.04	0.07	0.05	0.08	0.06	0.09	0.07	0.11	0.09	0.14	0.11	0.17	0.13	0.20
0.06	0.08	0.07	0.09	0.08	0.10	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39
0.06	0.08	0.07	0.09	0.08	0.10	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21
0.06	0.08	0.07	0.09	0.08	0.10	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21
0.06	0.08	0.07	0.09	0.08	0.10	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21
0.06	0.08	0.07	0.09	0.08	0.10	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.21
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39
0.12	0.14	0.14	0.16	0.16	0.18	0.19	0.21	0.25	0.27	0.32	0.34	0.37	0.39
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29
0.09	0.11	0.11	0.13	0.12	0.14	0.14	0.16	0.19	0.21	0.24	0.26	0.27	0.29

CoroDrill® 861 -GM

12 - 15 x D_c

Inch values

ISO	MC No.	CMC No.	Material	Hardness Brinell HB	Cutting speed (V_c) ft/min Min.	Max.
P			**Unalloyed steel**			
	P1.1.Z.AN	01.1	C=0.10-0.25%	125	260	510
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	260	510
			Low alloy steel			
	P2.2.Z.AN	02.1	Annealed	240	210	395
	P2.5.Z.HT	02.2	Hardened and tempered	330	210	395
			High alloy steel			
	P3.0.Z.AN	03.11	Annealed	200	210	395
	P4.0.S.NS		**Sintered steels**	150	260	435
			Stainless steel			
	P5.1.Z.AN	05.11 /15.11	Ferritic/Martensitic	200	65	395
M			**Stainless steel**			
	M1.0.Z.AQ	05.21/15.21	Austenitic	200	65	140
	M2.0.Z.AQ	05.21/15.21	Super austenitic Ni≥20%	200	65	120
	M3.2.Z.AQ	05.52/15.52	Duplex (austenitic/ferritic)	260	65	100
K						
	K1.1.C.NS	07.1/07.2	**Malleable cast iron (ferritic, pearlitic)**	200	195	295
			Gray cast iron			
	K2.1.C.UT	08.1	Low tensile strength	180	300	455
	K2.2.C.UT	08.2	High tensile strength	245	195	295
			Nodular cast iron			
	K3.1.C.UT	09.1	Ferritic	155	195	295
	K3.2.C.UT	09.2	Pearlitic	265	195	295
	K5.1.C.NS		**ADI**	300	195	295
N			**Aluminum based alloys**			
	N1.1.Z.UT		Commercial pure	30	710	1065
	N1.2.Z.AG		AlSi alloys, Si ≤ 1%	100	710	1065
	N1.3.C.AG	30.21	AlSi cast alloys, Si > 1% and < 13%	90	235	710
	N1.4.C.NS		AlSi cast alloys, Si ≥ 13%	130	235	355
	N2.0.C.UT		**Magnesium based alloys**	70	235	710
			Copper based alloys			
	N3.1.U.UT		Non-leaded copper alloys (incl. electrolytic copper)	100	330	490
	N3.2.C.UT		Leaded brass & bronzes (Pb ≤ 1%)	90	575	865
	N3.3.U.UT		Free cutting copper based alloys (Pb>1%)	110	575	865
	N3.4.C.UT		high strength bronzes (>225HB)	300	260	395
	N4.0.C.UT		**Zinc based alloys**	70	575	865

CoroDrill® 861 -GM

12 - 15 x D_c

Inch values

Drill diameter, D_c f_n inch/rev.																				
.1181-.1571		.1572-.1964		.1965-.2358		.2359-.3146		.3147-.3933		.3934-.4720		.4721-.5902		.5905-.6295		.6299-.7083		.7087-.7874		
Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	.0098	.0130	.0110	.0150	.0122	.0165	.0126	.0169	.0134	.0177	
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	.0098	.0130	.0110	.0150	.0122	.0165	.0126	.0169	.0134	.0177	
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	.0098	.0130	.0110	.0150	.0122	.0165	.0126	.0169	.0134	.0177	
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	.0098	.0130	.0110	.0150	.0122	.0165	.0126	.0169	.0134	.0177	
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	.0098	.0130	.0110	.0150	.0122	.0165	.0126	.0169	.0134	.0177	
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	.0098	.0130	.0110	.0150	.0122	.0165	.0126	.0169	.0134	.0177	
.0039	.0051	.0047	.0059	.0051	.0067	.0059	.0079	.0079	.0102	.0098	.0130	.0110	.0150	.0122	.0165	.0126	.0169	.0134	.0177	
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.011	.0087	.0122	.0091	.0126	.0098	.0134	
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.011	.0087	.0122	.0091	.0126	.0098	.0134	
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.011	.0087	.0122	.0091	.0126	.0098	.0134	
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114	.0118	.0126	.0122	.0130	.0130	.0138	
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154	.0161	.0169	.0165	.0173	.0173	.0181	
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114	.0118	.0126	.0122	.0130	.0130	.0138	
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114	.0118	.0126	.0122	.0130	.0130	.0138	
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114	.0118	.0126	.0122	.0130	.0130	.0138	
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114	.0118	.0126	.0122	.0130	.0130	.0138	
.0047	.0055	.0055	.0063	.0063	.0071	.0354	.0083	.0098	.0106	.0126	.0134	.0146	.0154	.0161	.0169	.0165	.0173	.0173	.0181	
.0047	.0055	.0055	.0063	.0063	.0071	.0354	.0083	.0098	.0106	.0126	.0134	.0146	.0154	.0161	.0169	.0165	.0173	.0173	.0181	
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154	.0161	.0169	.0165	.0173	.0173	.0181	
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154	.0161	.0169	.0165	.0173	.0173	.0181	
.0047	.0055	.0055	0.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154	.0161	.0169	.0165	.0173	.0173	.0181	
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114	.0118	.0126	.0122	.0130	.0130	.0138	
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114	.0118	.0126	.0122	.0130	.0130	.0138	
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114	.0118	.0126	.0122	.0130	.0130	.0138	
.0024	.0031	.0028	.0035	.0031	.0039	.0039	.0047	.0051	.0059	.0063	.0071	.0075	.0083	.0083	.0091	.0087	.0094	.0094	.0102	
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114	.0118	.0126	.0122	.0130	.0130	.0138	

CoroDrill® 861 -GM

20 - 30 x D_c

Inch values

ISO	MC No.	CMC No.	Material	Hardness Brinell HB	Cutting speed (V_c) ft/min Min.	Max
P			**Unalloyed steel**			
	P1.1.Z.AN	01.1	C=0.10-0.25%	125	235	460
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	235	460
			Low alloy steel			
	P2.2.Z.AN	02.1	Annealed	240	190	445
	P2.5.Z.HT	02.2	Hardened and tempered	330	190	445
			High alloy steel			
	P3.0.Z.AN	03.11	Annealed	200	190	445
	P4.0.S.NS		**Sintered steels**	150	235	390
			Stainless steel			
	P5.1.Z.AN	05.11 /15.11	Ferritic/Martensitic	200	60	355
M			**Stainless steel**			
	M1.0.Z.AQ	05.21/15.21	Austenitic	200	60	125
	M2.0.Z.AQ	05.21/15.21	Super austenitic Ni≥20%	200	60	110
	M3.2.Z.AQ	05.52/15.52	Duplex (austenitic/ferritic)	260	60	90
K						
	K1.1.C.NS	07.1/07.2	**Malleable cast iron (ferritic, pearlitic)**	200	180	270
			Gray cast iron			
	K2.1.C.UT	08.1	Low tensile strength	180	300	455
	K2.2.C.UT	08.2	High tensile strength	245	180	270
			Nodular cast iron			
	K3.1.C.UT	09.1	Ferritic	155	180	270
	K3.3.C.UT	09.2	Pearlitic	265	180	270
	K5.1.C.NS		**ADI**	300	180	270
N			**Aluminum based alloys**			
	N1.1.Z.UT		Commercial pure	30	635	960
	N1.2.Z.AG		AlSi alloys, Si ≤ 1%	100	635	960
	N1.3.C.AG		AlSi cast alloys, Si > 1% and < 13%	90	215	635
	N1.4.C.NS		AlSi cast alloys, Si ≥ 13%	130	215	320
	N2.0.C.UT		**Magnesium based alloys**	70	215	635

CoroDrill® 861 -GM

20 - 30 x D_c

Inch values

Drill diameter D_c													
f_n inch/rev.													
.1181-.1571		.1572-.1964		.1965-.2358		.2359-.3146		.3147-.3933		.3934-.4720		.4724	
Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max.
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	011
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.011
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.011
.0028	.0039	.0031	.0047.	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.011
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.011
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.011
.0028	.0039	.0031	.0047	.0035	.0051	.0043	.0059	.0055	.0079	.0067	.0098	.0079	.011
.0016	.0028	.002	.0031	.0024	.0035	.0028	.0043	.0035	.0055	.0043	.0067	.0051	.0079
.0016	.0028	.002	.0031.	.0024	.0035	.0028	.0043	.0035	.0055	.0043	.0067	.0051	.0079
.0016	.0028	.002	.0031	.0024	.0035	.0028	.0043	.0035	.0055	.0043	.0067	.0051	.0079
.0024	.0031	.0028	.0035	.0031	.0039	.0039	.0047	.0051	.0059	.0063	.0071	.0075	.0083
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154
.0024	.0031	.0028	.0035	.0031	.0035	.0039	.0047	.0051	.0059	.0063	.0071	.0075	
.0024	.0031	.0028	.0035	.0031	.0039	.0039	.0047	.0051	.0059	.0063	.0071	.0075	.0083
.0024	.0031	.0028	.0035	.0031	.0039	.0039	.0047	.0051	.0059	.0063	.0071	.0075	.0083
.0024	.0031	.0028	.0035	.0031	.0039	.0039	.0047	.0051	.0059	.0063	.0071	.0075	.0083
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154
.0047	.0055	.0055	.0063	.0063	.0071	.0075	.0083	.0098	.0106	.0126	.0134	.0146	.0154
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114
.0035	.0043	.0043	.0051	.0047	.0055	.0055	.0063	.0075	.0083	.0094	.0102	.0106	.0114

CoroDrill® 862

Metric values

ISO	MC No.	CMC No.	Material	Hardness Brinell HB	Cutting speed (v_c), m/min		Drill diameter, D_c f_n mm/rev			
							1.85-2.49		2.50-2.99	
					min.	max.	min.	max.	min.	max.
P			**Unalloyed steel**							
	P1.1.Z.AN	01.1	C=0.1-0.25%	125	40	60	0.07	0.09	0.10	0.13
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	40	60	0.07	0.09	0.10	0.13
			Low alloy steel							
	P2.2.Z.AN	02.1	Annealed	240	32	60	0.06	0.08	0.09	0.11
	P2.5.Z.HT	02.2	Hardened and tempered	330	32	60	0.06	0.08	0.09	0.11
			High alloy steel							
	P3.0.Z.AN	03.11	Annealed	200	32	60	0.06	0.08	0.09	0.11
	P4.0.S.NS		**Sintered steels**	150	40	60	0.06	0.08	0.09	0.11
			Stainless steel							
	P5.1.Z.AN	05.11/15.11	Ferritic/martensitic	200	18	60	0.03	0.07	0.04	0.1
M			**Stainless steel**							
	M1.0.Z.AQ	05.21/15.21	Austenitic	200	18	26	0.02	0.04	0.03	0.05
	M2.0.Z.AQ	05.21/15.21	Super austenitic Ni≥20%	200	18	26	0.02	0.04	0.03	0.05
	M3.2.Z.AQ	05.52/15.52	Austenitic/Ferritic (Duplex)	260	18	26	0.02	0.04	0.03	0.05
K			**Malleable cast iron**							
	K1.1.C.NS	07.1/07.2	Ferritic/Pearlitic	200	32	48	0.04	0.06	0.06	0.08
			Gray cast iron							
	K2.1.C.UT	08.1	Low tensile strength	180	40	60	0.08	0.10	0.12	0.14
	K2.2.C.UT	08.2	High tensile strength	245	32	48	0.04	0.06	0.06	0.08
			Nodular cast iron							
	K3.1.C.UT	09.1	Ferritic	155	32	48	0.04	0.06	0.06	0.08
	K3.3.C.UT	09.2	Pearlitic	265	32	48	0.04	0.06	0.06	0.08
	K4.2.C.UT		**CGI**	230	32	48	0.04	0.06	0.06	0.08
	K5.1.C.NS		**ADI**	300	32	48	0.04	0.06	0.06	0.08
S			**Heat resistant super alloys**							
	S1.0.U.AG		Iron Based	280	12	18	0.02	0.04	0.03	0.05
	S2.0.Z.AG	20.22	Ni based	350	12	18	0.02	0.04	0.03	0.05
	S4.3.Z.AN	23.22	Titanium based	330	12	18	0.02	0.04	0.03	0.05
N			**Aluminum based alloys**							
	N1.1.Z.UT		Commercial pure	30	48	72	0.09	0.11	0.14	0.16
	N1.2.Z.AG		AlSi alloys, Si ≤ 1%	100	48	72	0.09	0.11	0.14	0.16
	N1.3.C.AG	30.21	AlSi cast alloys, Si > 1% and < 13%	90	40	60	0.09	0.11	0.14	0.16
	N1.4.C.NS		AlSi cast alloys, Si ≥ 13%	130	40	60	0.09	0.11	0.14	0.16
	N2.0.C.UT		**Magnesium based alloys**	70	120	240	0.06	0.08	0.09	0.11

CoroDrill® 862

Inch values

ISO	MC No.	CMC No.	Material	Hardness Brinell HB	Cutting speed (V_c) ft/min		Drill diameter, D_c f_n inch/rev.			
							.0728-.0980		.0981-.1177	
					min.	max.	min.	max.	min.	max.
P			**Unalloyed steel**							
	P1.1.Z.AN	01.1	C=0.1-0.25%	125	130	195	.0028	.0035	.0039	.0051
	P1.2.Z.AN	01.2	C=0.25-0.55%	190	130	195	.0028	.0035	.0039	.0051
			Low alloy steel							
	P2.2.Z.AN	02.1	Annealed	240	105	195	.0024	.0031	.0035	.0043
	P2.5.Z.HT	02.2	Hardened and tempered	330	105	195	.0024	.0031	.0035	.0043
			High alloy steel							
	P3.0.Z.AN	03.11	Annealed	200	105	195	.0024	.0031	.0035	.0043
	P4.0.S.NS		**Sintered steels**	150	130	195	.0024	.0031	.0035	.0043
			Stainless steel							
	P5.1.Z.AN	05.11 /15.11	Ferritic/martensitic	200	60	195	.0012	.0028	.0016	.0039
M			**Stainless steel**							
	M1.0.Z.AQ	05.21/15.21	Austenitic	200	60	85	.0008	.0016	.0012	.002
	M2.0.Z.AQ	05.21/15.21	Super austenitic Ni≥20%	200	60	85	.0008	.0016	.0012	.002
	M3.2.Z.AQ	05.52/15.52	Austenitic/Ferritic (Duplex)	260	60	85	.0008	.0016	.0012	.002
K			**Malleable cast iron**							
	K1.1.C.NS	07.1/07.2	Ferritic/Pearlitic	200	105	155	.0016	.0024	.0024	.0031
			Gray cast iron							
	K2.1.C.UT	08.1	Low tensile strength	180	130	195	.0031	.0039	.0047	.0055
	K2.2.C.UT	08.2	High tensile strength	245	105	155	.0016	.0024	.0024	.0031
			Nodular cast iron							
	K3.1.C.UT	09.1	Ferritic	155	105	155	.0016	.0024	.0024	.0031
	K3.3C.UT	09.2	Pearlitic	265	105	155	.0016	.0024	.0024	.0031
	K4.2.C.UT		**CGI**	230	105	155	.0016	.0024	.0024	.0031
	K5.1.C.NS		**ADI**	300	105	155	.0016	.0024	.0024	.0031
S			**Heat resistant super alloys**							
	S1.0.U.AG		Iron Based	280	40	60	.0008	.0016	.0012	.002
	S2.0.Z.AG	20.22	Ni based	350	40	60	.0008	.0016	.0012	.002
	S4.3.Z.AN	23.22	Titanium based	330	40	60	.0008	.0016	.0012	.002
N			**Aluminum based alloys**							
	N1.1.Z.UT		Commercial pure	30	155	235	.0035	.0043	.0055	.0063
	N1.2.Z.AG		AlSi alloys, Si ≤ 1%	100	155	235	.0035	.0043	.0055	.0063
	N1.3.C.AG	30.21	AlSi cast alloys, Si > 1% and < 13%	90	130	195	.0035	.0043	.0055	.0063
	N1.4.C.NS		AlSi cast alloys, Si ≥ 13%	130	130	195	.0035	.0043	.0055	.0063
	N2.0.C.UT		**Magnesium based alloys**	70	395	785	.0024	.0031	.0035	.0043

CoroDrill® 460

Internal coolant supply, metric values

2 – 3 x DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (v_c), m/min DC 3.00 - 20.00mm
P		**Unalloyed steel**		(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	100-125-150
	P1.1.Z.AN	C = 0.1–0.25%	125	100-125-150
	P1.2.Z.AN	C = 0.25–0.55%	150	88-110-132
	P1.3.Z.AN	C = 0.55–0.80%	170	88-110-132
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	88-110-132
		Low alloy steel		
	P2.1.Z.AN	Non hardened	175	88-110-132
	P2.5.Z.HT.1	Hardened and tempered	275	60-75-90
	P2.5.Z.HT.2	Hardened and tempered	350	52-65-78
		High alloy steel		
	P3.0.Z.AN	Annealed	200	76-95-114
	P3.0.Z.HT.1	Hardened tool steel	300	52-65-78
		Steel castings		
	P1.5.C.UT	Unalloyed	150	88-110-132
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	200	76-95-114
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	32-40-48
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	32-40-48
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	28-35-42
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	28-35-42
	M1.0.C.UT	Austenitic	200	32-40-48
	M2.0.C.AQ	Super austenitic Ni≥20%	200	32-40-48
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	28-35-42
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	64-80-96
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	88-110-132
	K2.2.C.UT	High tensile strength	245	88-110-132
	K2.3.C.UT	High tensile strength	175	64-80-96
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	64-80-96
	K3.2.C.UT	Pearlitic	215	64-80-96
	K3.3.C.UT	Pearlitic	265	64-80-96
	K3.5.C.UT	Pearlitic	190	64-80-96
	K5.1.C.NS	ADI	300	64-80-96
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	200-250-300
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	200-250-300
	N1.3.C.UT	Cast, non-aging	75	200-250-300
	N1.3.C.AG	Cast or cast and aged	90	160-200-240
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	120-150-180
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	176-220-264
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	100-125-150
S		**Titanium**		
	S4.1.Z.UT		200	44-55-66
	S4.2.Z.AN		320	32-40-48
	S4.4.Z.AN		330	32-40-48
H	H1.1.Z.HA	Extra hard steel: Hardened and tempered	50HRC	24-30-36
	H2.0.C.UT.4	Chilled cast iron	64HRC	20-25-30

CoroDrill® 460

Internal coolant supply, metric values

2 – 3 x DC

Drill diameter, mm							
3	4	6	8	10	12	16	20
Feed f_n mm/r (min-start-max)							
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.086-0.107-0.128	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.056-0.070-0.084	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.056-0.070-0.084	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288

CoroDrill® 460

Internal coolant supply, metric values

4 – 5 × DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (v_c), m/min DC 3.00 - 20.00mm
P		**Unalloyed steel**		(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	100-125-150
	P1.1.Z.AN	C = 0.1–0.25%	125	100-125-150
	P1.2.Z.AN	C = 0.25–0.55%	150	88-110-132
	P1.3.Z.AN	C = 0.55–0.80%	170	88-110-132
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	88-110-132
		Low alloy steel		
	P2.1.Z.AN	Non hardened	175	88-110-132
	P2.5.Z.HT.1	Hardened and tempered	275	60-75-90
	P2.5.Z.HT.2	Hardened and tempered	350	52-65-78
		High alloy steel		
	P3.0.Z.AN	Annealed	200	76-95-114
	P3.0.Z.HT.1	Hardened tool steel	300	52-65-78
		Steel castings		
	P1.5.C.UT	Unalloyed	150	88-110-132
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	200	76-95-114
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	32-40-48
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	32-40-48
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	28-35-42
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	28-35-42
	M1.0.C.UT	Austenitic	200	32-40-48
	M2.0.C.AQ	Super austenitic Ni≥20%	200	32-40-48
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	28-35-42
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	64-80-96
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	88-110-132
	K2.2.C.UT	High tensile strength	245	88-110-132
	K2.3.C.UT	High tensile strength	175	64-80-96
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	64-80-96
	K3.2.C.UT	Pearlitic	215	64-80-96
	K3.3.C.UT	Pearlitic	265	64-80-96
	K3.5.C.UT	Pearlitic	190	64-80-96
	K5.1.C.NS	ADI	300	64-80-96
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	200-250-300
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	200-250-300
	N1.3.C.UT	Cast, non-aging	75	200-250-300
	N1.3.C.AG	Cast or cast and aged	90	160-200-240
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	120-150-180
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	176-220-264
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	100-125-150
S		**Titanium**		
	S4.1.Z.UT		200	44-55-66
	S4.2.Z.AN		320	32-40-48
	S4.4.Z.AN		330	32-40-48
H	H1.1.Z.HA	Extra hard steel: Hardened and tempered	50HRC	24-30-36
	H2.0.C.UT.4	Chilled cast iron	64HRC	20-25-30

CoroDrill® 460

Internal coolant supply, metric values

4 – 5 × DC

Drill diameter, mm							
3	4	6	8	10	12	16	20
Feed f_n mm/r (min-start-max)							
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288

CoroDrill® 460

Internal coolant supply, metric values

7 – 8 × DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (v_c), m/min DC 3.00 - 20.00mm
P		**Unalloyed steel**		(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	104-130-156
	P1.1.Z.AN	C = 0.1–0.25%	125	104-130-156
	P1.2.Z.AN	C = 0.25–0.55%	150	88-110-132
	P1.3.Z.AN	C = 0.55–0.80%	170	88-110-132
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	88-110-132
		Low alloy steel		
	P2.1.Z.AN	Non-hardened	175	88-110-132
	P2.5.Z.HT.1	Hardened and tempered	275	72-90-108
	P2.5.Z.HT.2	Hardened and tempered	350	64-80-96
		High alloy steel		
	P3.0.Z.AN	Annealed	200	80-100-120
	P3.0.Z.HT.1	Hardened tool steel	300	64-80-96
		Steel castings		
	P1.5.C.UT	Unalloyed	150	88-110-132
	P2.6.C.UT	Low-alloy (alloying elements ≤5%)	200	80-100-120
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	24-30-36
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	24-30-36
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	20-25-30
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	20-25-30
	M1.0.C.UT	Austenitic	200	24-30-36
	M2.0.C.AQ	Super austenitic Ni≥20%	200	24-30-36
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	20-25-30
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	60-75-90
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	92-115-138
	K2.2.C.UT	Low tensile strength	245	92-115-138
	K2.3.C.UT	Low tensile strength	175	60-75-90
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	60-75-90
	K3.2.C.UT	Pearlitic	215	60-75-90
	K3.3.C.UT	Pearlitic	265	60-75-90
	K3.5.C.UT	Pearlitic	190	60-75-90
	K5.1.C.NS	ADI	300	60-75-90
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	216-270-324
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	216-270-324
	N1.3.C.UT	Cast, non-aging	75	216-270-324
	N1.3.C.AG	Cast or cast and aged	90	144-180-216
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	72-90-108
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	176-220-264
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	100-125-150

US ROT

CoroDrill® 460

Internal coolant supply, metric values

7 – 8 × DC

Drill diameter, mm							
3	4	6	8	10	12	16	20
Feed f_n mm/r (min-start-max)							
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.120-0.150-0.180	0.144-0.180-0.216	0.200-0.250-0.300	0.264-0.330-0.396	0.336-0.420-0.504	0.384-0.480-0.576	0.440-0.550-0.660	0.464-0.580-0.696
0.120-0.150-0.180	0.144-0.180-0.216	0.200-0.250-0.300	0.264-0.330-0.396	0.336-0.420-0.504	0.384-0.480-0.576	0.440-0.550-0.660	0.464-0.580-0.696
0.120-0.150-0.180	0.144-0.180-0.216	0.200-0.250-0.300	0.264-0.330-0.396	0.336-0.420-0.504	0.384-0.480-0.576	0.440-0.550-0.660	0.464-0.580-0.696
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.1224-0.153-0.1836	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408

CoroDrill® 460

External coolant supply, metric values

2 – 3 x DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (v_c), m/min DC 3.00 - 20.00mm
P		**Unalloyed steel**		(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	80-100-125
	P1.1.Z.AN	C = 0.1–0.25%	125	80-100-125
	P1.2.Z.AN	C = 0.25–0.55%	150	70.4-88-110
	P1.3.Z.AN	C = 0.55–0.80%	170	70.4-88-110
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	70.4-88-110
		Low alloy steel		
	P2.1.Z.AN	Non hardened	175	70.4-88-110
	P2.5.Z.HT.1	Hardened and tempered	275	48-60-75
	P2.5.Z.HT.2	Hardened and tempered	350	61.6-52-65
		High alloy steel		
	P3.0.Z.AN	Annealed	200	60.8-76-95
	P3.0.Z.HT.1	Hardened tool steel	300	41.6-52-65
		Steel castings		
	P1.5.C.UT	Unalloyed	150	70.4-88-110
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	200	60.8-76-95
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	22.4-28-35
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	22.4-28-35
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	19.2-24-30
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	19.2-24-30
	M1.0.C.UT	Austenitic	200	22.4-28-35
	M2.0.C.AQ	Super austenitic Ni≥20%	200	22.4-28-35
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	19.2-24-30
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	51.2-64-80
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	70.4-88-110
	K2.2.C.UT	High tensile strength	245	70.4-88-110
	K2.3.C.UT	High tensile strength	175	51.2-64-80
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	51.2-64-80
	K3.2.C.UT	Pearlitic	215	51.2-64-80
	K3.3.C.UT	Pearlitic	265	51.2-64-80
	K3.5.C.UT	Pearlitic	190	51.2-64-80
	K5.1.C.NS	ADI	300	51.2-64-80
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	160-200-250
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	160-200-250
	N1.3.C.UT	Cast, non-aging	75	160-200-250
	N1.3.C.AG	Cast or cast and aged	90	128-160-200
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	96-120-150
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	140.8-176-220
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	80-100-125
S		**Titanium**		
	S4.1.Z.UT		200	32.5-44-55
	S4.2.Z.AN		320	25.6-32-40
	S4.4.Z.AN		330	25.6-32-40
H	H1.1.Z.HA	Extra hard steel: Hardened and tempered	50HRC	19.2-24-30
	H2.0.C.UT.4	Chilled cast iron	64HRC	16-20-25

CoroDrill® 460

External coolant supply, metric values

2 – 3 x DC

Drill diameter, mm							
3	4	6	8	10	12	16	20
Feed f_n mm/r (min-start-max)							
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.032-0.040-0.048	0.04-0.05-0.06	0.056-0.070-0.084	0.072-0.090-0.108	0.088-0.110-0.132	0.104-0.130-0.156	0.136-0.170-0.204	0.152-0.190-0.228
0.032-0.040-0.048	0.04-0.05-0.06	0.056-0.070-0.084	0.072-0.090-0.108	0.088-0.110-0.132	0.104-0.130-0.156	0.136-0.170-0.204	0.152-0.190-0.228
0.032-0.040-0.048	0.04-0.05-0.06	0.056-0.070-0.084	0.072-0.090-0.108	0.088-0.110-0.132	0.104-0.130-0.156	0.136-0.170-0.204	0.152-0.190-0.228
0.032-0.040-0.048	0.04-0.05-0.06	0.056-0.070-0.084	0.072-0.090-0.108	0.088-0.110-0.132	0.104-0.130-0.156	0.136-0.170-0.204	0.152-0.190-0.228
0.032-0.040-0.048	0.04-0.05-0.06	0.056-0.070-0.084	0.072-0.090-0.108	0.088-0.110-0.132	0.104-0.130-0.156	0.136-0.170-0.204	0.152-0.190-0.228
0.032-0.040-0.048	0.04-0.05-0.06	0.056-0.070-0.084	0.072-0.090-0.108	0.088-0.110-0.132	0.104-0.130-0.156	0.136-0.170-0.204	0.152-0.190-0.228
0.032-0.040-0.048	0.04-0.05-0.06	0.056-0.070-0.084	0.072-0.090-0.108	0.088-0.110-0.132	0.104-0.130-0.156	0.136-0.170-0.204	0.152-0.190-0.228
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.12-0.15-0.18	0.16-0.20-0.24	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.36-0.45-0.54
0.104-0.130-0.156	0.12-0.15-0.18	0.16-0.20-0.24	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.36-0.45-0.54
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.12-0.15-0.18	0.16-0.20-0.24	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.36-0.45-0.54
0.104-0.130-0.156	0.12-0.15-0.18	0.16-0.20-0.24	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.36-0.45-0.54
0.104-0.130-0.156	0.12-0.15-0.18	0.16-0.20-0.24	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.36-0.45-0.54
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.16-0.20-0.24	0.20-0.25-0.30	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.16-0.20-0.24	0.184-0.230-0.276	0.192-0.240-0.288
0.032-0.040-0.048	0.04-0.05-0.06	0.056-0.070-0.084	0.072-0.090-0.108	0.088-0.110-0.132	0.104-0.130-0.156	0.136-0.170-0.204	0.152-0.190-0.228
0.032-0.040-0.048	0.04-0.05-0.06	0.056-0.070-0.084	0.072-0.090-0.108	0.088-0.110-0.132	0.104-0.130-0.156	0.136-0.170-0.204	0.152-0.190-0.228
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.16-0.20-0.24	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.16-0.20-0.24	0.184-0.230-0.276	0.192-0.240-0.288

CoroDrill® 460

External coolant supply, metric values

4 – 5 × DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (v_c), m/min DC 3.00 - 20.00mm
P		**Unalloyed steel**		(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	80-100-125
	P1.1.Z.AN	C = 0.1–0.25%	125	80-100-125
	P1.2.Z.AN	C = 0.25–0.55%	150	70.4-88-110
	P1.3.Z.AN	C = 0.55–0.80%	170	70.4-88-110
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	70.4-88-110
		Low alloy steel		
	P2.1.Z.AN	Non hardened	175	70.4-88-110
	P2.5.Z.HT.1	Hardened and tempered	275	48-60-75
	P2.5.Z.HT.2	Hardened and tempered	350	41.6-52-65
		High alloy steel		
	P3.0.Z.AN	Annealed	200	60.8-76-95
	P3.0.Z.HT.1	Hardened tool steel	300	41.6-52-65
		Steel castings		
	P1.5.C.UT	Unalloyed	150	70.4-88-110
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	200	60.8-76-95
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	22.4-28-35
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	22.4-28-35
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	19.2-24-30
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	19.2-24-30
	M1.0.C.UT	Austenitic	200	22.4-28-35
	M2.0.C.AQ	Super austenitic Ni≥20%	200	22.4-28-35
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	19.2-24-30
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	51.2-64-80
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	70.4-88-110
	K2.2.C.UT	High tensile strength	245	70.4-88-110
	K2.3.C.UT	High tensile strength	175	51.2-64-80
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	51.2-64-80
	K3.2.C.UT	Pearlitic	215	51.2-64-80
	K3.3.C.UT	Pearlitic	265	51.2-64-80
	K3.5.C.UT	Pearlitic	190	51.2-64-80
	K5.1.C.NS	ADI	300	51.2-64-80
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	160-200-250
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	160-200-250
	N1.3.C.UT	Cast, non-aging	75	160-200-250
	N1.3.C.AG	Cast or cast and aged	90	128-160-200
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	96-120-150
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	140.8-176-220
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	80-100-125
S		**Titanium**		
	S4.1.Z.UT		200	32.5-44-55
	S4.2.Z.AN		320	25.6-32-40
	S4.4.Z.AN		330	25.6-32-40
H	H1.1.Z.HA	Extra hard steel: Hardened and tempered	50HRC	19.2-24-30
	H2.0.C.UT.4	Chilled cast iron	64HRC	16-20-25

CoroDrill® 460

External coolant supply, metric values

4 – 5 × DC

Drill diameter, mm							
3	4	6	8	10	12	16	20
Feed f_n mm/r (min-start-max)							
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.184	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.384	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.080-0.100-0.120	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.104-0.130-0.156	0.120-0.150-0.180	0.160-0.200-0.240	0.208-0.260-0.312	0.264-0.330-0.396	0.304-0.380-0.456	0.344-0.430-0.516	0.360-0.450-0.540
0.08-0.10-0.12	0.092-0.115-0.138	0.122-0.153-0.184	0.160-0.200-0.240	0.200-0.250-0.300	0.224-0.280-0.336	0.256-0.320-0.384	0.272-0.340-0.408
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288
0.056-0.070-0.084	0.064-0.080-0.096	0.086-0.107-0.128	0.112-0.140-0.168	0.136-0.170-0.204	0.160-0.200-0.240	0.184-0.230-0.276	0.192-0.240-0.288

CoroDrill® 460

Internal coolant supply, inch values

2 – 3 x DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (V_c) ft/min DC .1181 - .7874 inch (min-start-max)
P		**Unalloyed steel**		
	P1.1.Z.AN	C = 0.05–0.10%	125	328-410-492
	P1.1.Z.AN	C = 0.1–0.25%	125	328-410-492
	P1.2.Z.AN	C = 0.25–0.55%	150	289-361-433
	P1.3.Z.AN	C = 0.55–0.80%	170	289-361-433
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	289-361-433
		Low alloy steel		
	P2.1.Z.AN	Non hardened	175	289-361-433
	P2.5.Z.HT.1	Hardened and tempered	275	197-246-295
	P2.5.Z.HT.2	Hardened and tempered	350	171-213-256
		High alloy steel		
	P3.0.Z.AN	Annealed	200	249-312-374
	P3.0.Z.HT.1	Hardened tool steel	300	171-213-256
		Steel castings		
	P1.5.C.UT	Unalloyed	150	289-361-433
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	200	249-312-374
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	105-131-157
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	105-131-157
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	92-115-138
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	92-115-138
	M1.0.C.UT	Austenitic	200	105-131-157
	M2.0.C.AQ	Super austenitic Ni≥20%	200	105-131-157
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	92-115-138
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	210-262-315
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	289-361-433
	K2.2.C.UT	High tensile strength	245	289-361-433
	K2.3.C.UT	High tensile strength	175	210-262-315
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	210-262-315
	K3.2.C.UT	Pearlitic	215	210-262-315
	K3.3.C.UT	Pearlitic	265	210-262-315
	K3.5.C.UT	Pearlitic	190	210-262-315
	K5.1.C.NS	ADI	300	210-262-315
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	656-820-984
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	656-820-984
	N1.3.C.UT	Cast, non-aging	75	656-820-984
	N1.3.C.AG	Cast or cast and aged	90	525-656-787
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	394-492-591
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	577-722-866
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	328-410-492
S		**Titanium**		
	S4.1.Z.UT		200	144-180-217
	S4.2.Z.AN		320	105-121-157
	S4.4.Z.AN		330	105-121-157
H	H1.1.Z.HA	Extra hard steel: Hardened and tempered	50HRC	79-98-118
	H2.0.C.UT.4	Chilled cast iron	64HRC	66-82-98

CoroDrill® 460

Internal coolant supply, inch values

2 – 3 x DC

Drill diameter, inch							
.1181	.1575	.2362	.3150	.3937	.4724	.6299	.7874
Feed f_n inch/r (min-start-max)							
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113

CoroDrill® 460

Internal coolant supply, inch values

4 – 5 × DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (V_c) ft/min DC .1181 - .7874 inch
P		**Unalloyed steel**		(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	328-410-492
	P1.1.Z.AN	C = 0.1–0.25%	125	328-410-492
	P1.2.Z.AN	C = 0.25–0.55%	150	289-361-433
	P1.3.Z.AN	C = 0.55–0.80%	170	289-361-433
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	289-361-433
		Low alloy steel		
	P2.1.Z.AN	Non hardened	175	289-361-433
	P2.5.Z.HT.1	Hardened and tempered	275	197-246-295
	P2.5.Z.HT.2	Hardened and tempered	350	171-213-256
		High alloy steel		
	P3.0.Z.AN	Annealed	200	249-312-374
	P3.0.Z.HT.1	Hardened tool steel	300	171-213-256
		Steel castings		
	P1.5.C.UT	Unalloyed	150	289-361-433
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	200	249-312-374
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	105-131-157
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	105-131-157
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	92-115-138
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	92-115-138
	M1.0.C.UT	Austenitic	200	105-131-157
	M2.0.C.AQ	Super austenitic Ni≥20%	200	105-131-157
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	92-115-138
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	210-262-315
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	289-361-433
	K2.2.C.UT	High tensile strength	245	289-361-433
	K2.3.C.UT	High tensile strength	175	210-262-315
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	210-262-315
	K3.2.C.UT	Pearlitic	215	210-262-315
	K3.3.C.UT	Pearlitic	265	210-262-315
	K3.5.C.UT	Pearlitic	190	210-262-315
	K5.1.C.NS	ADI	300	210-262-315
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	656-820-984
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	656-820-984
	N1.3.C.UT	Cast, non-aging	75	656-820-984
	N1.3.C.AG	Cast or cast and aged	90	525-656-787
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	394-492-591
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	577-722-866
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	328-410-492
S		**Titanium**		
	S4.1.Z.UT		200	144-180-217
	S4.2.Z.AN		320	105-121-157
	S4.4.Z.AN		330	105-121-157
H	H1.1.Z.HA	Extra hard steel: Hardened and tempered	50HRC	79-98-118
	H2.0.C.UT.4	Chilled cast iron	64HRC	66-82-98

CoroDrill® 460

Internal coolant supply, inch values

4 – 5 × DC

Drill diameter, inch							
.1181	.1575	.2362	.3150	.3937	.4724	.6299	.7874
Feed f_n inch/r (min-start-max)							
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113

CoroDrill® 460

Internal coolant supply, inch values

7 – 8 × DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (V_c) ft/min DC .1181 - .7874 inch
P		**Unalloyed steel**		(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	341-427-512
	P1.1.Z.AN	C = 0.1–0.25%	125	341-427-512
	P1.2.Z.AN	C = 0.25–0.55%	150	289-361-433
	P1.3.Z.AN	C = 0.55–0.80%	170	289-361-433
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	289-361-433
		Low alloy steel		
	P2.1.Z.AN	Non-hardened	175	289-361-433
	P2.5.Z.HT.1	Hardened and tempered	275	236-295-354
	P2.5.Z.HT.2	Hardened and tempered	350	210-262-315
		High alloy steel		
	P3.0.Z.AN	Annealed	200	262-328-394
	P3.0.Z.HT.1	Hardened tool steel	300	210-262-315
		Steel castings		
	P1.5.C.UT	Unalloyed	150	289-361-433
	P2.6.C.UT	Low-alloy (alloying elements ≤5%)	200	262-328-394
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	79-98-118
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	79-98-118
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	66-82-98
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	66-82-98
	M1.0.C.UT	Austenitic	200	79-98-118
	M2.0.C.AQ	Super austenitic Ni≥20%	200	79-98-118
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	66-82-98
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	197-246-295
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	302-377-453
	K2.2.C.UT	High tensile strength	245	302-377-453
	K2.3.C.UT	High tensile strength	175	197-246-295
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	197-246-295
	K3.2.C.UT	Pearlitic	215	197-246-295
	K3.3.C.UT	Pearlitic	265	197-246-295
	K3.5.C.UT	Pearlitic	190	197-246-295
	K5.1.C.NS	ADI	300	197-246-295
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	709-886-1063
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	709-886-1063
	N1.3.C.UT	Cast, non-aging	75	709-886-1063
	N1.3.C.AG	Cast or cast and aged	90	472-591-709
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	236-295-354
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	577-722-866
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	328-410-492

CoroDrill® 460

Internal coolant supply, inch values

7 – 8 × DC

Drill diameter, inch							
.1181	.1575	.2362	.3150	.3937	.4724	.6299	.7874
Feed f_n inch/r (min-start-max)							
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0047-.0059-.0071	.0057-.0071-.0085	.0079-.0098-.0118	.0104-.0130-.0156	.0132-.0165-.0198	.0151-.0189-.0227	.0173-.0217-.0260	.0183-.0228-.0274
.0047-.0059-.0071	.0057-.0071-.0085	.0079-.0098-.0118	.0104-.0130-.0156	.0132-.0165-.0198	.0151-.0189-.0227	.0173-.0217-.0260	.0183-.0228-.0274
.0047-.0059-.0071	.0057-.0071-.0085	.0079-.0098-.0118	.0104-.0130-.0156	.0132-.0165-.0198	.0151-.0189-.0227	.0173-.0217-.0260	.0183-.0228-.0274
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161

CoroDrill® 460

External coolant supply, inch values

2 – 3 x DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (V_c) ft/min DC .1181 - .7874 inch
P		**Unalloyed steel**		(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	262-328-410
	P1.1.Z.AN	C = 0.1–0.25%	125	262-328-410
	P1.2.Z.AN	C = 0.25–0.55%	150	289-361-433
	P1.3.Z.AN	C = 0.55–0.80%	170	231-289-361
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	231-289-361
		Low alloy steel		
	P2.1.Z.AN	Non hardened	175	231-289-361
	P2.5.Z.HT.1	Hardened and tempered	275	157-197-246
	P2.5.Z.HT.2	Hardened and tempered	350	136-171-213
		High alloy steel		
	P3.0.Z.AN	Annealed	200	199-249-312
	P3.0.Z.HT.1	Hardened tool steel	300	136-171-213
		Steel castings		
	P1.5.C.UT	Unalloyed	150	231-289-361
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	200	199-249-312
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	73-92-115
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	73-92-115
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	63-79-98
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	63-79-98
	M1.0.C.UT	Austenitic	200	73-92-115
	M2.0.C.AQ	Super austenitic Ni≥20%	200	73-92-115
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	63-79-98
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	168-210-262
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	231-289-361
	K2.2.C.UT	High tensile strength	245	231-289-361
	K2.3.C.UT	High tensile strength	175	168-210-262
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	168-210-262
	K3.2.C.UT	Pearlitic	215	168-210-262
	K3.3.C.UT	Pearlitic	265	168-210-262
	K3.5.C.UT	Pearlitic	190	210-262-315
	K5.1.C.NS	ADI	300	168-210-262
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	525-656-820
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	525-656-820
	N1.3.C.UT	Cast, non-aging	75	525-656-820
	N1.3.C.AG	Cast or cast and aged	90	420-525-656
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	315-394-492
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	462-577-722
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	262-328-410
S		**Titanium**		
	S4.1.Z.UT		200	115-144-180
	S4.2.Z.AN		320	84-105-131
	S4.4.Z.AN		330	84-105-131
H	H1.1.Z.HA	Extra hard steel: Hardened and tempered	50HRC	63-79-98
	H2.0.C.UT.4	Chilled cast iron	64HRC	52-66-82

CoroDrill® 460

External coolant supply, inch values

2 – 3 x DC

Drill diameter, inch							
.1181	.1575	.2362	.3150	.3937	.4724	.6299	.7874
Feed f_n inch/r (min-start-max)							
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113

CoroDrill® 460

External coolant supply, inch values

4 – 5 × DC

ISO	MC No.	Material	Hardness Brinell HB	Cutting speed (V_c) ft/min DC .1181 - .7874 inch
P		**Unalloyed steel**		(min-start-max)
	P1.1.Z.AN	C = 0.05–0.10%	125	262-328-410
	P1.1.Z.AN	C = 0.1–0.25%	125	262-328-410
	P1.2.Z.AN	C = 0.25–0.55%	150	289-361-433
	P1.3.Z.AN	C = 0.55–0.80%	170	231-289-361
		High carbon steel		
	P1.3.Z.AN	Carbon tool steel	210	231-289-361
		Low alloy steel		
	P2.1.Z.AN	Non hardened	175	231-289-361
	P2.5.Z.HT.1	Hardened and tempered	275	157-197-246
	P2.5.Z.HT.2	Hardened and tempered	350	136-171-213
		High alloy steel		
	P3.0.Z.AN	Annealed	200	199-249-312
	P3.0.Z.HT.1	Hardened tool steel	300	136-171-213
		Steel castings		
	P1.5.C.UT	Unalloyed	150	231-289-361
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	200	199-249-312
M		**Stainless steel**		
	M1.0.Z.AQ	Austenitic	200	73-92-115
	M2.0.Z.AQ	Super austenitic Ni≥20%	200	73-92-115
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	230	63-79-98
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	260	63-79-98
	M1.0.C.UT	Austenitic	200	73-92-115
	M2.0.C.AQ	Super austenitic Ni≥20%	200	73-92-115
	M3.1.C.AQ	Duplex (austenitic/ferritic)	230	63-79-98
K		**Malleable cast iron**		
	K1.1.C.NS	Ferritic/Pearlitic	200	168-210-262
		Gray cast iron		
	K2.1.C.UT	Low tensile strength	180	231-289-361
	K2.2.C.UT	High tensile strength	245	231-289-361
	K2.3.C.UT	High tensile strength	175	168-210-262
		Nodular cast iron		
	K3.1.C.UT	Ferritic	155	168-210-262
	K3.2.C.UT	Pearlitic	215	168-210-262
	K3.3.C.UT	Pearlitic	265	168-210-262
	K3.5.C.UT	Pearlitic	190	168-210-262
	K5.1.C.NS	ADI	300	168-210-262
N		**Aluminum based alloys**		
	N1.2.Z.UT	Commercial pure	60	525-656-820
	N1.2.Z.AG	AlSi alloys, Si ≤ 1%	100	525-656-820
	N1.3.C.UT	Cast, non-aging	75	525-656-820
	N1.3.C.AG	Cast or cast and aged	90	420-525-656
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	130	315-394-492
		Copper based alloys		
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	110	462-577-722
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	100	262-328-410
S		**Titanium**		
	S4.1.Z.UT		200	115-144-180
	S4.2.Z.AN		320	84-105-131
	S4.4.Z.AN		330	84-105-131
H	H1.1.Z.HA	Extra hard steel: Hardened and tempered	50HRC	63-79-98
	H2.0.C.UT.4	Chilled cast iron	64HRC	52-66-82

CoroDrill® 460

External coolant supply, inch values

4 – 5 × DC

Drill diameter, inch							
.1181	.1575	.2362	.3150	.3937	.4724	.6299	.7874
Feed f_n inch/r (min-start-max)							
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0041-.0051-.0061	.0047-.0059-.0071	.0063-.0079-.0094	.0082-.0102-.0123	.0104-.0130-.0156	.0120-.0150-.0180	.0135-.0169-.0203	.0142-.0177-.0213
.0031-.0039-.0047	.0036-.0045-.0054	.0048-.0060-.0072	.0063-.0079-.0094	.0079-.0098-.0118	.0088-.0110-.0132	.0101-.0126-.0151	.0107-.0134-.0161
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113
.0022-.0028-.0033	.0025-.0031-.0038	.0034-.0042-.0051	.0044-.0055-.0066	.0054-.0067-.0080	.0063-.0079-.0094	.0072-.0091-.0109	.0076-.0094-.0113

Coromant Delta brazed-carbide tipped drill

Metric values

ISO	CMC No.	Material	Hardness Brinell HB	Grade	Cutting speed v_c m/min	Drill diameter, mm 9.50-14 Feed f_n mm/rev	14.01-17 Feed f_n mm/rev	17.01-30.40 Feed f_n mm/rev
P		**Unalloyed steel**						
	01.0	Non-hardened 0.05-0.10% C	80-170	P20	75-100	0.14-0.22	0.15-0.25	0.18-0.31
	01.1	Non-hardened 0.10-0.25% C	90-200					
	01.2	Non-hardened 0.25-0.55% C	125-225		70-90	0.15-0.23	0.18-0.26	0.20-0.30
	01.3	Non-hardened 0.55-0.80% C	150-225					
	01.4	High carbon and carbon tool steel	180-225					
		Low alloy steel						
	02.1	Non-hardened	150-260	P20	55-90	0.14-0.22	0.18-0.26	0.20-0.28
	02.2	Hardened	220-400		35-65	0.14-0.22	0.15-0.25	0.18-0.26
		High alloy steel						
	03.11	Annealed	150-250	P20	40-70	0.15-0.20	0.18-0.25	0.20-0.27
	03.22	Hardened steel	250-400		40-60	0.15-0.20	0.17-0.20	0.18-0.24
		Steel castings						
	06.1	Unalloyed	90-225	P20	70-90	0.17-0.23	0.19-0.25	0.20-0.26
	06.2	Low alloyed (alloying elements ≤ 5%)	150-250		50-75	0.15-0.21	0.17-0.23	0.19-0.25
M		**Stainless steel**						
	05.11	Ferritic, Martensitic 13-25% Cr	150-270	K20	25-55	0.14-0.21	0.17-0.24	0.18-0.27
		Stainless steel						
	05.21	Austenitic Ni > 8%, 18-25% Cr	150-270	K20	25-55	0.14-0.20[1]	0.16-0.23[1]	0.19-0.25[1]
K		**Malleable cast iron**						
	07.1	Ferritic (short chipping)	110-145	K20	75-120	0.15-0.26	0.18-0.30	0.21-0.39
	07.2	Pearlitic (long chipping)	150-270		75-110	0.15-0.25	0.16-0.29	0.18-0.35
		Gray cast iron						
	08.1	Low tensile strength	150-220	K20	85-115	0.19-0.31	0.23-0.39	0.26-0.46
	08.2	High tensile strength	200-330		55-100	0.19-0.30	0.24-0.36	0.28-0.44
		Nodular cast iron						
	09.1	Ferritic	125-230	K20	65-105	0.16-0.26	0.20-0.35	0.23-0.41
	09.2	Pearlitic	200-300		55-95	0.15-0.25	0.18-0.33	0.21-0.39
H		**Extra hard steel**						
	04.1	Hardened and tempered	*HRC* 43-47 47-60	P20	25-40 15-30	0.10-0.15	0.12-0.17	0.15-0.20
N		**Aluminum alloys**						
	30.12	Wrought solution treated and aged	75-150	K20	95-150	0.21-0.33	0.18-0.41	0.18-0.41
	30.21	Cast	40-100					
		Copper and copper alloys						
	33.1	Free cutting alloys (Pb ≥ 1%)	50-160	K20	45-150	0.16-0.29	0.20-0.35	0.25-0.44
	33.2	Brass and leaded bronzes (Pb ≤ 1%)						

1) If chip control is difficult to achieve with the recommended cutting data, reduce the feed to .003 - .004 inch/rev.

Coromant Delta brazed-carbide tipped drill

Inch values

ISO	CMC No.	Material	Hardness Brinell HB	Grade	Cutting speed v_c ft/min	Drill diameter 9.50-14 mm (.374-.551 inch) Feed f_n inch/rev	Drill diameter 14.01-17 mm (.552-.669 inch) Feed f_n inch/rev	Drill diameter 17.01-30.40 mm (.670-1.197 inch) Feed f_n inch/rev
P		**Unalloyed steel**						
	01.0	Non-hardened 0.05-0.10% C	80-170	P20	250-330	.006-.009	.006-.010	.007-.012
	01.1	Non-hardened 0.10-0.25% C	90-200					
	01.2	Non-hardened 0.25-0.55% C	125-225		220-300	.006-.009	.007-.010	.008-.012
	01.3	Non-hardened 0.55-0.80% C	150-225					
	01.4	High carbon and carbon tool steel	180-225					
		Low alloy steel						
	02.1	Non-hardened	150-260	P20	180-300	.006-.009	.007-.010	.008-.011
	02.2	Hardened	220-400		120-220	.006-.009	.006-.010	.007-.010
		High alloy steel						
	03.11	Annealed	150-250	P20	120-220	.006-.008	.007-.010	.008-.011
	03.22	Hardened steel	250-400		120-190	.006-.008	.007-.009	.007-.009
		Steel castings						
	06.1	Unalloyed	90-225	P20	220-300	.007-.009	.007-.010	.008-.010
	06.2	Low alloyed (alloying elements ≤ 5%)	150-250		150-240	.006-.008	.007-.009	.007-.010
M		**Stainless steel**						
	05.11	Ferritic, Martensitic 13-25% Cr	150-270	K20	80-180	.006-.008	.007-.009	.007-.011
		Stainless steel						
	05.21	Austenitic Ni > 8%, 18-25% Cr	150-270	K20	80-180	.006-.008[1)]	.006-.009[1)]	.007-.010[1)]
K		**Malleable cast iron**						
	07.1	Ferritic (short chipping)	110-145	K20	240-390	.006-.010	.007-.012	.008-.015
	07.2	Pearlitic (long chipping)	150-270		240-370	.006-.010	.006-.011	.007-.014
		Gray cast iron						
	08.1	Low tensile strength	150-220	K20	270-380	.009-.012	.009-.015	.010-.018
	08.2	High tensile strength	200-330		180-330	.009-.012	.009-.014	.011-.017
		Nodular cast iron						
	09.1	Ferritic	125-230	K20	210-350	.006-.010	.008-.014	.009-.016
	09.2	Pearlitic	200-300		180-310	.006-.010	.007-.013	.008-.015
H		**Extra hard steel**						
	04.1	Hardened and tempered	*HRC* 43-47 47-60	P20	80-130 50-100	.004-.006	.005-.007	.006-.008
N		**Aluminum alloys**						
	30.12	Wrought solution treated and aged	75-150	K20	310-490	.008-.013	.007-.016	.007-.016
	30.21	Cast	40-100					
		Copper and copper alloys						
	33.1	Free cutting alloys (Pb ≥ 1%)	50-160	K20	150-490	.006-.011	.008-.014	.010-.017
	33.2	Brass and leaded bronzes (Pb ≤ 1%)						

1) If chip control is difficult to achieve with the recommended cutting data, reduce the feed to .003 - .004 inch/rev.

Grades for solid drills

P

GC1220 (HC) – P25 (P10-P30)
Fine grained cemented carbide substrate with excellent combination of both hardness and toughness. PVD coated with 3-5 microns of nano-multilayers of TiAlN coating giving very good edge line security. First choice grade for mixed production in all types of materials.
GC1020 (HC) – P25 (P10-P30)
PVD coated grade for drilling of most materials. Fine grained carbide substrate with TiCN+TiN coating. Wide application area.
P20 (HC) – P20 (P10-P30)
PVD coating, TiN, on wear resistant substrate. General steel applications.
H10F (HW) – P25 (P15-P35)
Uncoated fine grain carbide grade with good edge strength. Suitable for drilling in most materials at low speed and feed.
GC4234 (HC) – P20 (P10-P30)
Fine grained cemented carbide substrate with excellent combination of both hardness and toughness. PVD coated with 3-5 microns of nano multilayers of TiAlN coating giving very good edge line security.
GC34 (HC) – P30 (P15-P35)
Fine grained cemented carbide substrate combined with a PVD nanostructured coating layer of TiAlN. Giving very good edge line security as high hardness and toughness behavior of the grade. The coating provides a smooth surface for excellent chip evacuation. A good choice for mixed production in all type of materials.

M

GC 1220 (HC) – M30 (M20-M40)
Fine grained cemented carbide with an excellent combination of both hardness and toughness. The carbide is PVD coated with 3 microns of nano-multilayers of TiAlN coating giving very good edge line security. First choice grade for steel, stainless steels and cast iron in Coromant Delta C.
K20 (HC) – M20 (M10-M30)
PVD-coated, TiN, on WC-Co substrate. Stainless steel, cast iron, aluminum and some heat resistant materials.
GC34 (HC) – M25 (M15-M30)
Fine grained cemented carbide substrate combined with a PVD nanostructured coating layer of TiAlN. Giving very good edge line security as high hardness and toughness behavior of the grade. The coating provides a smooth surface for excellent chip evacuation. A good choice for mixed production in all type of materials.

K

GC 1210 (HC) – K15 (K10-K25)
Hard and very wear resistant carbide substrate containing gamma phase. The substrate is coated with AlCrN giving excellent wear and oxidation resistance and good hot hardness. Ideal PVD-grade in the Coromant Delta-C family for drilling at medium to high speed in all kinds of cast iron.
GC 1220 (HC) – K20 (K10-K30)
Fine grained cemented carbide with an excellent combination of both hardness and toughness. The carbide is PVD coated with 3 microns of nano-multilayers of TiAlN coating giving very good edge line security. First choice grade for steel, stainless steels and cast iron in Coromant Delta C.
GC1020 (HC) – K20 (K10-K20)
PVD coated grade for drilling of most materials. Fine grained carbide substrate with TiCN+TiN coating. Wide application area.
K20 (HC) – K20 (K05-K20)
PVD-coated, TiN, on WC-Co substrate. Stainless steel, cast iron, aluminum and some heat resistant materials.
H10F (HW) – K25 (K15-K35)
Uncoated fine grain carbide grade with good edge strength. Suitable for drilling in most materials at low speed and feed.
GC34 (HC) – K25 (K15-K30)
Fine grained cemented carbide substrate combined with a PVD nanostructured coating layer of TiAlN. Giving very good edge line security as high hardness and toughness behavior of the grade. The coating provides a smooth surface for excellent chip evacuation. A good choice for mixed production in all type of materials.

Grades for solid drills

N

N20C (HC) – N20 (N05-N30)
Fine carbide with diamond coating. First choice for dry drilling in carbon fiber reinforced plastics (CFRP). Excellent tool life. Low friction coefficient. Stable hole dimensions. Cost efficient. Not regrindable. For CFRP/Al stacks, DLC (Diamond-Like Coating) is preferred due to less risk of flaking in aluminum.
N20D (HC) – N20 (N05-N30)
A fine grained cemented carbide with an excellent combination of both hardness and toughness. The fine grains contribute to keeping the cutting edge sharp throughout the entire tool life. The carbide is PVD coated with smooth TiAlN adding wear resistance and lowering adherence to work material on the cutting edge.
First choice for Aluminum with a Silicon content up to 12%.
K20 (HC) – N15 (N10-N25)
PVD-coated, TiN, on WC-Co substrate. Stainless steel, cast iron, aluminum and some heat resistant materials.
H10F (HW) – N20 (N10-N30)
Uncoated fine grain carbide grade with good edge strength. Suitable for drilling in most materials at low speed and feed.
GC1020 (HC) – N20 (N10-N30)
PVD coated grade for drilling of most materials. Fine grained carbide substrate with TiCN+TiN coating. Wide application area.
GC1220 (HC) **–** N10 (N10-N30)
Fine grained cemented carbide substrate with excellent combination of both hardness and toughness. PVD coated with 3-5 microns of nano-multilayers of TiAlN coating giving very good edge line security. First choice grade for mixed production in all types of materials.
GC34 (HC) – N25 (N15-N30)
Fine grained cemented carbide substrate combined with a PVD nanostructured coating layer of TiAlN. Giving very good edge line security as high hardness and toughness behavior of the grade. The coating provides a smooth surface for excellent chip evacuation. A good choice for mixed production in all type of materials.

S

GC1020 (HC) – S25 (S10-S30)
PVD coated grade for drilling of most materials. Fine grained carbide substrate with TiCN+TiN coating. Wide application area.
H10F (HW) –S30 (S25-S35)
Uncoated fine grain carbide grade with good edge strength. Suitable for drilling in most materials at low speed and feed.
GC 1220 (HC) – S25 (S15 -S35)
Fine grained cemented carbide with an excellent combination of both hardness and toughness. The carbide is PVD coated with 3 microns of nano-multilayers of TiAlN coating giving very good edge line security. First choice grade for steel, stainless steels and cast iron in Coromant Delta C.
GC34 (HC) – S25 (S15-S30)
Fine grained cemented carbide substrate combined with a PVD nanostructured coating layer of TiAlN. Giving very good edge line security as high hardness and toughness behavior of the grade. The coating provides a smooth surface for excellent chip evacuation. A good choice for mixed production in all type of materials.

H

GC 1220 (HC) – H20 (H05 –H30)
Fine grained cemented carbide with an excellent combination of both hardness and toughness. The carbide is PVD coated with 3 microns of nano-multilayers of TiAlN coating giving very good edge line security. First choice grade for steel, stainless steels and cast iron in Coromant Delta C.
K20 (HC) – H15 (H05-H25)
PVD coated, TiN on WC-Co substrate. Stainless steel, cast iron, aluminum and heat resistant materials.
GC1020 (HC) – H15 (H05-H25)
PVD coated grade for drilling of most materials. Fine grained carbide substrate with TiCN+TiN coating. Wide application area.

Letter symbols specifying the designation of hard cutting materials:

Hardmetals:

HW	Uncoated hardmetal containing primarily tungsten carbide (WC)
HT	Uncoated hardmetal, also called cermet, containing primarily titanium carbides (TIC) or titanium nitrides (TIN) or both.
HC	Hardmetals as above, but coated

Ceramics:

CA	Oxide ceramics containing primarily aluminum oxide (Al_2O_3).
CM	Mixed ceramics containing primarily aluminum oxide (Al_2O_3) but containing components other than oxides.
CN	Nitride ceramics containing primarily silicon nitride (Si_3N_4).
CC	Ceramics as above, but coated.

Diamond:

DP	Polycrystalline diamond[1)]

Cubic boron nitride:

BN	Polycrystalline boron nitride[1)]

[1)] Polycrystalline diamond and polycrystalline boron nitride are also named *superhard cutting materials*.

Grades for drills with indexable inserts

P

GC4014 (HC) – P15 (P05-P30)
Grade for peripheral insert. Low to medium feed rates at high cutting speed. High wear resistance and good resistance against plastic deformation.
GC4324 (HC) – P20 (P10-P35)
Grade for peripheral insert. Excellent toughness behavior and high wear resistance. For moderate to very high cutting speeds. MT-CVD coated grade.
Inveio enables high wear resistance and long tool life.
GC1044 (HC) – P40 (P25-P50)
The basic choice as central insert for ISO P application area. PVD coated grade with excellent wear resistance and toughness at low to high cutting speeds.
GC4334 (HC) - P30 (P20-P40)
Grade for peripheral insert. Excellent toughness behavior and high wear resistance. For moderate to very high cutting speeds. MT-CVD coated grade.
Inveio enables high wear resistance and long tool life.
GC4044 (HC) – P40 (P25-P50)
1044 – P40 (P25-P50)
The basic choice as central grade for ISO P application area. PVD coated grade with excellent wear resistance and toughness at low to moderate cutting speeds.
GC4234 (HC) – P30 (P15-P35)
Fine grained cemented carbide substrate with excellent combination of both hardness and toughness. PVD coated with 3-5 microns of nano multilayers of TiAlN coating giving very good edge line security.

M

GC1144 (HC) – M35 (M20-M40)
Optimized center ISO M grade based on fine-grained cemented carbide coated with a new PVD-oxide coating for excellent wear resistance and resistance against built-up edge in all types of stainless steels.
GC2044 (HC) – M35 (M20-M40)
Optimized periphery ISO M grade based on fine-grained cemented carbide coated with a new PVD-oxide coating for excellent wear resistance and resistance against built-up edge in all types of stainless steels.
GC4324 (HC) – M20 (M10-M35)
Peripheral insert
Inveio enables high wear resistance and long tool life.
GC1044 (HC) M35 (M25-M40)
The basic choice as central grade for ISO M application area. PVD coated grade with excellent edge toughness and resistance against built-up edge.
GC4334 (HC) - M30 (M20-M35)
Peripheral insert
Inveio enables high wear resistance and long tool life.
GC4044 (HC) – M35 (M20-M40)
Grade for ISO M application area. PVD coated grade with excellent edge toughness and resistance against built-up edge.

Grades for drills with indexable inserts

K

GC4014 (HC) –K15 (K01-K25)
Grade for peripheral insert. Finishing to light roughing of cast iron at high cutting speeds.
GC4324 (HC) – K20 (K05-K30)
Grade for peripheral insert. Very good combination of toughness and wear resistance. Universal grade for medium to high cutting speeds. MT-CVD coated grade.
Peripheral insert
Inveio enables high wear resistance and long tool life.
GC1044 (HC) **–** K25 (K10-K35)
The basic choice as central for ISO K application area. A PVD coated grade for toughness demanding operations.
GC4334 (HC) - K20 (K10-K30)
Peripheral insert
Inveio enables high wear resistance and long tool life.
GC4044 (HC) – K25 (K10-K35)
The basic choice as peripheral grade for ISO K application area. A PVD coated grade with excellent wear resistance and toughness at low to moderate cutting speeds.

N

GC1020 (HC) – (N10-N30)
Basic choice as central insert for toughness demanding operations. A PVD coated grade.
GC1120 (HC) – (N10-N30)
Suitable for toughness demanding applications as peripheral insert for Coromant U drill in diameter range .500 - .669 inch (12.7-17 mm). Good combination of wear resistance and toughness. A PVD coated grade.
H13A (HW) – (N10-N25)
The universal grade for low to moderate cutting speeds. Suitable both for central and peripheral inserts.
GC1044 (HC) – (N10-N30)
The basic choice as central grade for ISO N application area. PVD coated grade with excellent wear resistance and toughness at moderate to very high cutting speeds.
GC4044 (HC)**–** (N10-N30)
The basic choice as peripheral grade for ISO N application area. PVD coated grade with excellent edge toughness and resistance against built-up edge.

Grades for drills with indexable inserts

S

H13A (HW) – S20 (S15-S25)
A complementary choice for heat resistant alloys and titanium. Good edge sharpness, wear resistance and toughness. Suitable both for central and peripheral inserts. Uncoated grade.
GC1044 (HC) **–** S30 (S20-S35)
The basic choice as central grade in ISO S application area. PVD coated grade with excellent wear resistance and toughness at low to moderate cutting speeds.
GC4044 (HC) **–** S30 (S20-S35)
The basic choice as peripheral grade in ISO S application area. PVD coated grade with excellent edge toughness and resistance against built-up edge.
GC1144 (HC) – S35 (S20-S40)
Complementary center grade for ISO S materials.
GC2044 (HC) – S30 (S20-S40)
Complementary periphery ISO S grade based on fine-grained cemented carbide coated with a new PVD-oxide coating.

H

GC4324 (HC) – H15 (H05-H25)
Grade for peripheral insert. Good toughness behavior and high wear resistance. For moderate to high cutting speeds. MT-CVD coated grade.
Inveio enables high wear resistance and long tool life.
GC4334 (HC) – (H10-H25)
Peripheral insert
Inveio enables high wear resistance and long tool life.
GC1044 (HC) – H20 (H10-H30)
The basic choice for central grade in ISO H application area. PVD coated grade with excellent wear resistance and toughness at low to moderate cutting speeds.
GC4044 (HC) – H20 (H10-H30)
The basic choice as peripheral grade for ISO H application area. A PVD coated grade with excellent edge toughness and resistance against built-up edge.

Letter symbols specifying the designation of hard cutting materials:

Hardmetals:

HW	Uncoated hardmetal containing primarily tungsten carbide (WC)
HT	Uncoated hardmetal, also called cermet, containing primarily titanium carbides (TIC) or titanium nitrides (TIN) or both.
HC	Hardmetals as above, but coated

Ceramics:

CA	Oxide ceramics containing primarily aluminum oxide (Al_2O_3).
CM	Mixed ceramics containing primarily aluminum oxide (Al_2O_3) but containing components other than oxides.
CN	Nitride ceramics containing primarily silicon nitride (Si_3N_4).
CC	Ceramics as above, but coated.

Diamond:

DP	Polycrystalline diamond[1)]

Cubic boron nitride:

BN	Polycrystalline boron nitride[1)]

[1)] Polycrystalline diamond and polycrystalline boron nitride are also named *superhard cutting materials*.