

# Rotating tools

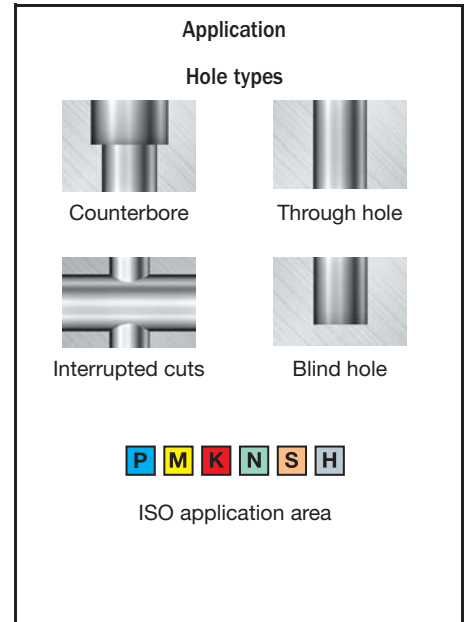
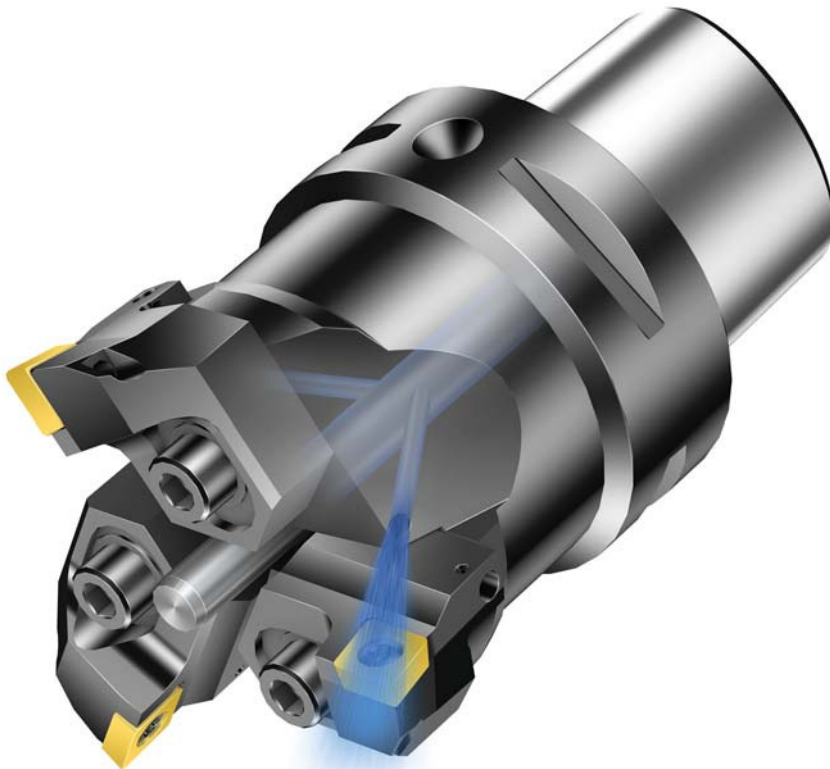
MILLING  
DRILLING  
TAPPING  
BORING  
REAMING  
ROTATING TOOL ADAPTORS



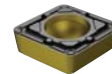
2015

# CoroBore® 820

Rough boring tool - three insert design  
Optimized for high metal removal rate



See page M26



See Turning tools catalogue.

Diameter range: 35-306 mm (1.378-12.047 inch)



- Optional slide assemblies, individually adjustable axially and radially giving reduced inventory costs.

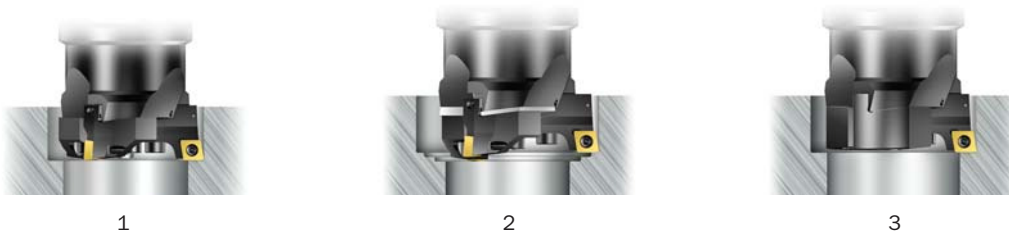


- Short, rigid and compact giving maximum stability with cutting fluid through the tool for excellent chip evacuation.



- If no pre-setter is available, adjust diameter of CoroBore 820 by measuring the distance from pin to insert and subtract half the pin diameter. Multiply by two for the effective boring diameter.

## Operations



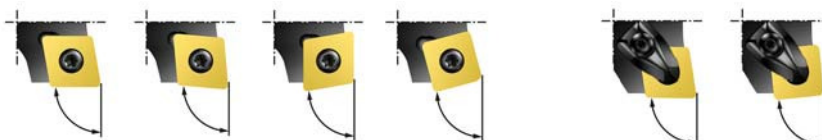
1. Three-edge boring
  - Increased feed rate is applicable.
2. Three-edge step boring
  - High cutting depth is applicable.
  - Shim-set is required, to be ordered separately. LF-dimension when using shim set increases 1-2 mm.
  - Slides of R820x-AR... and R820x-BR... with kappa 90 degree can be combined
3. Single-edge boring:
  - Two covers are required, to be ordered separately.

### Shim-set and cover - CoroBore® 820

Adaptor size	Shim set	Thickness		Cover for CoroTurn® 107 screw clamping	Cover for CoroTurn® RC rigid clamping
		mm	inch		
A	R820A-AS00A	0.5+1	.020+.039	R820A-AC10A	-
B	R820B-AS00A	0.5+1	.020+.039	R820B-AC11A	-
C	R820C-AS00A	0.5+1	.020+.039	R820C-AC15A	-
D	R820D-AS00A	0.5+1	.020+.039	R820D-AC17A	-
E	R820E-AS00A	0.8+1.6	.031+.063	R820E-AC20A	-
F	R820F-AS00A	0.8+1.6	.031+.063	R820F-AC22A	R820F-AC22A
G	R820G-AS00A	0.8+1.6	.031+.063	R820G-AC22A	R820G-AC22A
H	R820H-AS00A	1+2	.039+.079	R820H-BC24A	R820H-AC34A
I	R820I-AS00A	1+2	.039+.079	R820I-BC24A	R820I-AC34A

Cutting speed max  $V_c$  max: 1200 m/min (3937 ft/min)

### Insert choice



Entering angle  
Lead angle

90°  
0°

95°  
-5°

75°  
15°

84°  
6°

#### CoroTurn® 107 screw clamping

- For applications that require lower cutting forces

90°  
0°

84°  
6°

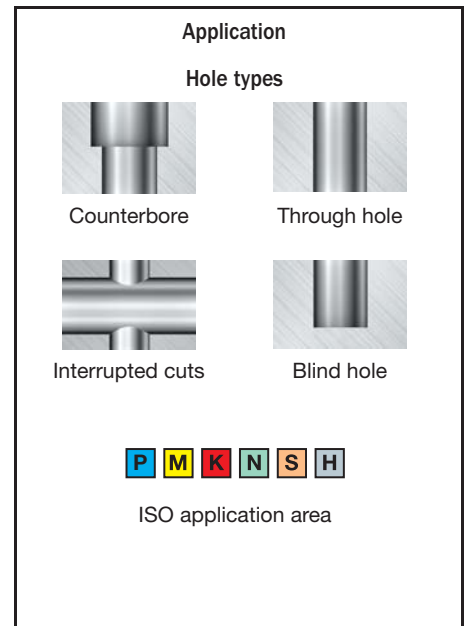
#### T-Max® P, CoroTurn® RC rigid clamping

- For applications that require strong inserts in stable conditions

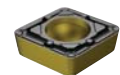
# Duobore™ 821(D)

Rough boring tool - two insert design

First choice for various materials and conditions



See page M48



See Turning tools catalogue.

Diameter range: 25-150 mm (.984-5.906 inch)



- Optional slide assemblies, individually adjustable axially and radially giving reduced inventory costs.



- Short, rigid and compact giving maximum stability with cutting fluid through the tool for excellent chip evacuation.

 **SilentTools®**

- Available also as Silent Tools® . Silent Tools dampened adaptors boost productivity when working with long overhangs.

## Operations



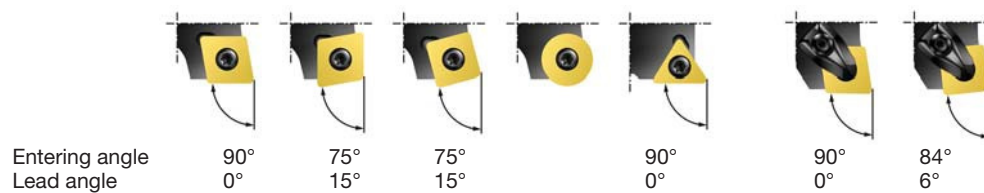
1. Twin-edge boring
  - Increased feed rate is applicable.
  
2. Twin-edge step boring
  - High cutting depth is applicable.
  - Shim-set is required, to be ordered separately. Lf-dimension when using shim increases 0.5-1 mm (.020-.039 inch)
  
3. Single-edge boring:
  - One cover is required, to be ordered separately.

### Shim-set and cover - DuoBore® 821 (D)

Adaptor size	Shim set	Thickness		Cover
		mm	inch	
1	5549 125-01	0.5	.020	5623 010-01
2	5549 125-02	0.5	.020	5623 010-02
3	5549 125-03	0.5	.020	5623 010-03A
4	5549 125-04	0.5	.020	5623 010-04
5	5549 125-05	1.0	.039	5623 010-05A
6	5549 125-06A	1.0	.039	5623 010-06B
7	5549 125-08	1.0	.039	5623 010-07A

Dampened: 99 - 150 mm (3.90 - 5.91 inch) max 4.000 RPM, All others = max 6.000 RPM

## Insert choice



### CoroTurn® 107 screw clamping

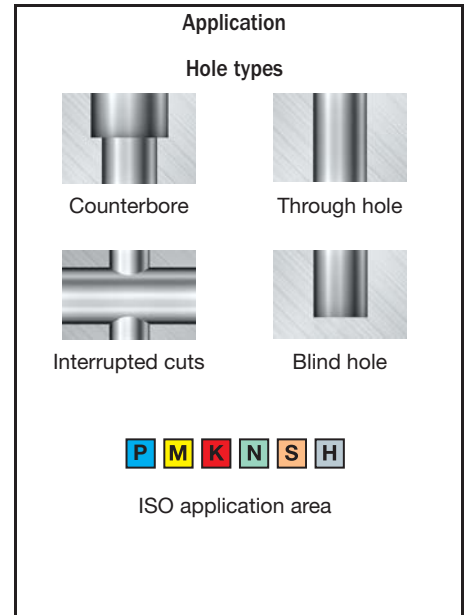
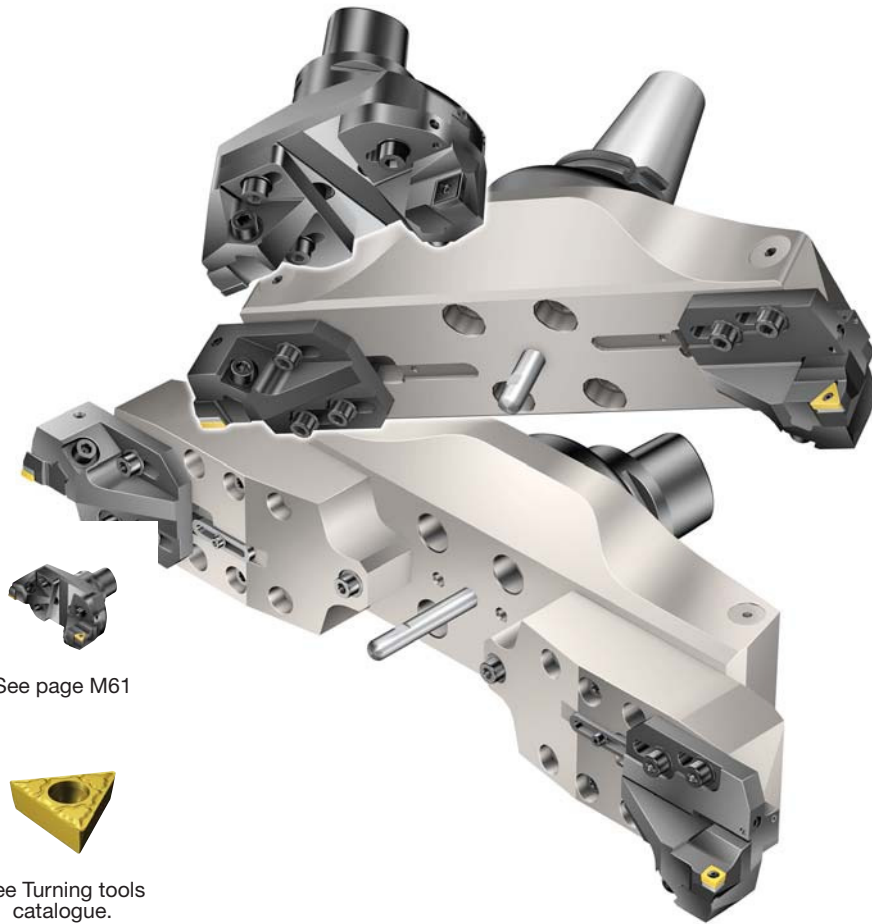
- For applications that require lower cutting forces

### T-Max® P, CoroTurn® RC rigid clamping

- For applications that require strong inserts in stable conditions

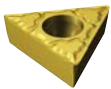
# CoroBore® 820 XL

## Rough boring tool system - two insert design For large diameter rough boring



Also available as lightweight tools. Bore large diameters with increased stability without increasing the tool weight.

See page M61



See Turning tools catalogue.

**Diameter range: 148-1260 mm (5.827-49.606 inch)**



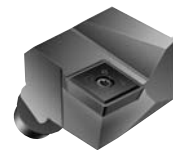
- For easy radial adjustment of slides, slightly tighten screws and adjust diameter with key. Cartridges are possible to adjust in axial direction, for step boring.



- Rigid system for maximum stability with internal coolant supply. From diameter 148 mm ( 5.827 inch) adjust coolant screw to the relevant position.



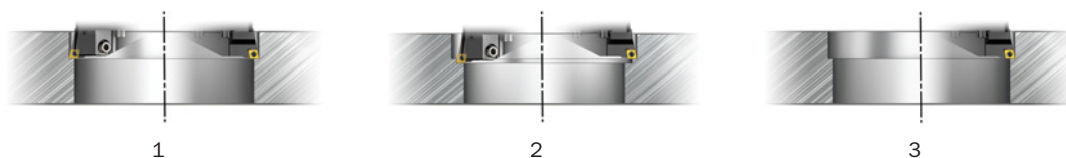
- Use same bridge/bridge extension for roughing, finishing and face grooving from diameter 148 mm (5.827 inch) (counterweight needed for finishing).



### CoroDrill 880 insert

- For applications that require strong and rigid inserts at large depth of cuts

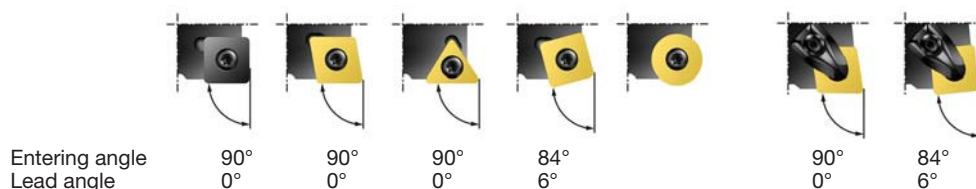
## Operations



1. Twin-edge boring
  - Increased feed rate is applicable.
  
2. Twin-edge step boring
  - High cutting depth is applicable.
  - Axially adjustable cartridges +1.5 mm (+.059 inch), to be used for step boring or securing same axial position on the two inserts.
  - When step-boring the LF-dimension increases up to 1.5 mm (.059 inch).
  - Cartridges with Kappa 90° (0°) entering angle (lead angle) should be used when step-boring.
  
3. Single-edge boring:
  - Adjust unused cutting edge to a smaller diameter and use it as a counterweight.

Conventional:  $V_c$  1200 m/min (3937 ft/min), Light weight:  $V_c$  600 m/min (1968 ft/min)

## Insert choice



### CoroTurn® 107 screw clamping

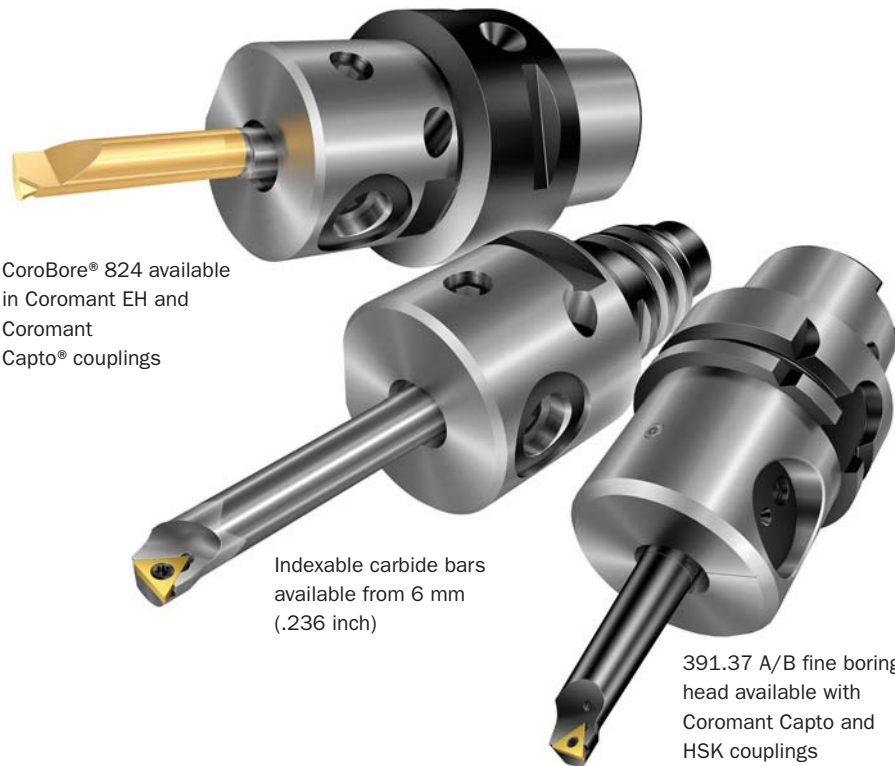
- For applications that require lower cutting forces

### T-Max® P, CoroTurn® RC rigid clamping

- For applications that require strong inserts in stable conditions

# CoroBore® 824/391.37 A/B

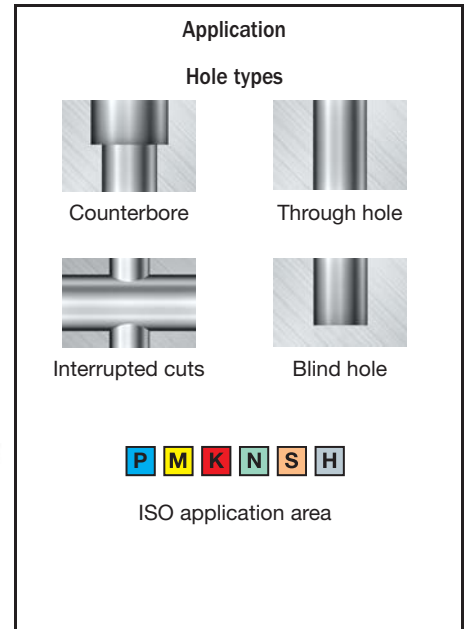
## Fine boring systems For small diameter boring



CoroBore® 824 available  
in Coromant EH and  
Coromant  
Capto® couplings

Indexable carbide bars  
available from 6 mm  
(.236 inch)

391.37 A/B fine boring  
head available with  
Coromant Capto and  
HSK couplings



825 - Adjusts diameter 0.002 mm  
(.00008 inch) with a nonius scale. A  
360° turn change diameter by 0.5  
mm (.020 inch). Total diameter  
change on fine boring head 15mm  
(.590 inch).



See page M86



See turning  
tools catalogue

Diameter range: 1-36 mm (.039-1.417 inch)

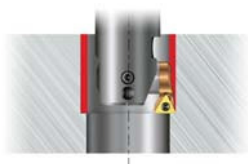
- Rigid system for maximum stability with  
internal coolant supply

- Great tooling flexibility, choose between  
Coromant Capto, Coromant EH and HSK  
coupling to bore different diameters.

- Fine boring tools with precision diameter  
adjustment of 2 microns (nonius scale)



## Operations



Single-edge boring

### CoroBore® 824

DCON <sub>WS</sub>	Max. rotation speed:	Diameter range
	RPM	ADJRG
4	28000	1
6	20000	1
8	14000	1
10	10000	1.5

### 391.37A/B Fine boring head

DCON <sub>WS</sub>	Max. rotation speed:	Diameter range
	RPM	ADJRG
12	7000	3
16	5000	3
20	3500	5

#### Note!

391.37B High speed boring head has a max rotation speed on 20000 rev/min.

#### Use of sleeves:

When using a sleeve, the boring range will change DC +10 mm (.394 inch)

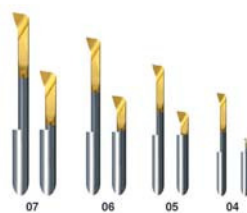
## Insert choice



Entering angle 92°  
Lead angle -2°

### CoroTurn® 107 inserts

- Available from diameter 6mm (.236 inch)



### CoroTurn® XS inserts

- Available from diameter 1mm (.039 inch)

# CoroBore® 825(D)

Fine boring tool system  
For high precision boring



## Application

### Hole types



Counterbore



Through hole



Interrupted cuts



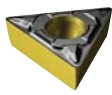
Blind hole



ISO application area



See page M98



See turning tools catalogue



825 - Adjusts diameter 0.002 mm (.00008 inch) with a nonius scale. A 360° turn change diameter by 0.5 mm (.020 inch). Total diameter change on fine boring head 15mm (.590 inch).



Also available as lightweight tools. Bore large diameters with increased stability without increasing the tool weight.

Diameter range: 19-167 mm (.748-6.575 inch)



- Cartridges designed for highest stability



- Use slide extensions for radial adjustment and back boring

● ● ● ● **SilentTools®**

- Available also as Silent Tools®. Silent Tools dampened adaptors boost productivity when working with long overhangs.

## Operations



Boring

Back boring

### Conventional:

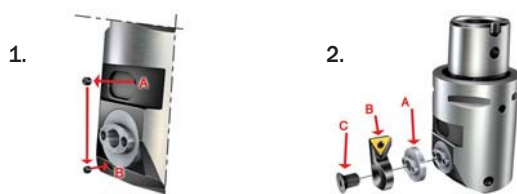
The geometrical restriction (LU) is only valid when boring diameter (DC) is smaller than the coupling diameter ( $DCON_{MS}$ ). Maximum recommended hole depth (for forward boring) when the boring diameter (DC) is larger than the coupling diameter ( $DCON_{MS}$ ) =  $4 \times BD$  ( $6 \times BD$  for dampened tools). If no LU is defined (no geometrical restriction), maximum recommended hole depth is  $4 \times DCON_{MS}$  ( $6 \times DCON_{MS}$  for dampened tools)

### CoroBore® 825 EH:

The single cutting-edge position will be correct when using cylindrical or conical EH holders (available in steel, solid carbide, heavy metal) as it is possible to rotate the assembly in the chuck (using a CoroChuck 930, shrink fit, collet chuck) to find the single edge cutting position.

### Back boring (not for CoroBore® 826 and 825 SL)

1. Remove grub screw from coolant duct A and screw it into coolant duct B.
2. Lock A (if used) + B + C with correct torque.
3. Change spindle direction to counter clockwise (M04).



Diameter		Slide extension	Thickness		Diameter extension	
mm	inch		mm	inch	mm	inch
19-36	.748-1.417	825A-030A	+3	+.118	+6	+.236
35-56	1.377-2.205	825B-036A	+3.6	+.142	+7.2	+.283
55-1275	2.165- 50.197	825C-048A	+4.8	+.189	+9.6	+.378

**Conventional:**  $V_c$  1200 m/min (3937 ft/min), **Light weight:**  $V_c$  600 m/min (1968 ft/min)

### Dampened:

Diameter  $\leq$  29 mm (1.14"):  $V_c$  430m/min (1410 ft/min)

Diameter  $\leq$  36 mm (1.42"):  $V_c$  520m/min (1705 ft/min)

Diameter  $\geq$  36 mm (1.42"):  $V_c$  600m/min (1968 ft/min)

## Insert choice

### CoroTurn® 107 and CoroTurn® 111 inserts



# CoroBore® 825(D) XL / CoroBore® 826(D) XL

## Fine boring tool system For large diameter boring



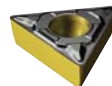
### Diameter adjustment:

**825** - Adjusts diameter 0.002 mm (.00008 inch) with a nonius scale. A 360° turn change diameter by 0.5 mm (.020 inch). Total diameter change on fine boring head 15mm (.590 inch).

**826** - Each click adjusts diameter 0.002 mm (.00008 inch). A 360° turn change diameter by 0.1 mm (.0039 inch). Total diameter change on fine boring head 1 mm (.039 inch).



See page M104



See Turning tools catalogue.

### Application

#### Hole types



Counterbore



Through hole



Interrupted cuts



Blind hole



ISO application area



Also available as lightweight tools CoroBore Lightweight. Bore large diameters with increased stability without increasing the tool weight.

Diameter range: 148–1275 mm(5.827–50.197 inch)



- Cartridges designed for highest stability



- Use slide extensions for radial adjustment and back boring



- Use same bridge/bridge extension for roughing, finishing and face grooving from diameter 150 mm(5.906 inch) (counterweight needed for finishing).

**SilentTools®**

- Available also as Silent Tools®. Silent Tools dampened adaptors boost productivity when working with long overhangs.

## Operations



Boring



Back boring



External operations

### Holders for CoroBore XL, diameter 150–1275 mm (5.906–50.197 inch)

Must be bought separately. Available interfaces: C8,C10, HSK-A 100, HSK-A 125, CAT-V 50, ISO 7388/1, MAS BT 50

### Back boring (not for CoroBore® 826 and 825 SL)

1. Remove grub screw from coolant duct A and screw it into coolant duct B.
2. Lock A (if used) + B + C with correct torque.
3. Change spindle direction to counter clockwise (M04).



Diameter		Slide extension	Thickness		Diameter extension	
mm	inch		mm	inch	mm	inch
55-1275	2.165- 50.197	825C-048A	+4.8	+.189	+9.6	+.378

Conventional: $V_c$  1200 m/min (3937 ft/min), Light weight:  $V_c$  600 m/min (1968 ft/min), Dampened: $V_c$  600 m/min (1968 ft/min)

## Insert choice

CoroTurn® 107 and CoroTurn® 111 inserts



Entering angle  
Lead angle

92°  
-2°



95°  
-5°



CoroTurn® 107  
TCMT1103  
(TCMT 22)



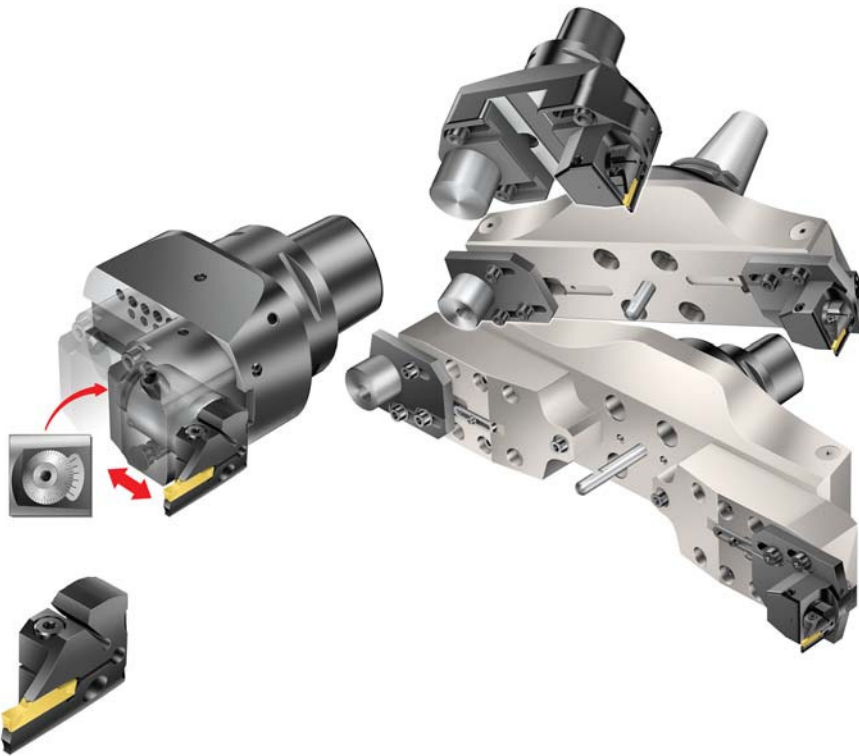
CoroTurn® 111  
TPMT11  
(TPMT 22)



CoroTurn® 107:  
CCMT 09  
(CCMT3 (2.5))

# CoroBore® 825 SL

## Face grooving tools For axial grooving



### Application



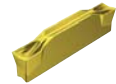
-Axial grooving

**P M K N S H**

ISO application area



See page M133



See turning  
tools catalogue

### Product range

- CoroTurn SL face grooving blade to be used.
- Type: Left hand, A-curve
- Builds on standard SL 32 range
- Blade diameter and tool diameter range should match the requirement of the component.\* For more information about blade, see Turning tools catalogue.

\* Blade and inserts are ordered separately.



825 - Adjusts diameter 0.002 mm (.00008 inch) with a nonius scale. A 360° turn change diameter by 0.5 mm (.020 inch). Total diameter change on fine boring head 15mm (.590 inch).

**Diameter range: 47-1275 mm (1.850-50.197 inch)**

- Possible to use all CoroCut 1-2 system inserts of different geometries and grades

- Radially fine adjustable face grooving heads for pre-setting with same interface as CoroBore 825 fine boring head

- Rigid and reliable tools for face grooving with internal coolant to cutting edge

# How to choose your assembly kit

## Identify tool concepts

- 1
  - Define type of application
  - Identify your application type: roughing, finishing or face grooving. Note characteristics regarding the hole to be machined, limitations, material and the machine.
  
- 2
  - Select a boring system
  - Identify your operation type: multi-edge boring, single-edge boring, step-boring, backboring and external boring to find available diameter ranges and required accessories.

Note: remember to calculate the power and torque consumption of the application.

- 3
  - Follow the page indication to find order pages for assembly kits and accessories
  
  - For information about all components available, see page M19.

## Select an assembly kit - order pages

- 4
  - Choose the inserts depending on your hole requirements: define entering angle and insert type.
  
  - Select boring diameter and coupling size to find your corresponding assembly kit code. Always try to use the largest applicable coupling.
  
- 5
  - Select the accessory (if needed) to complete the tool assembly, see page M41

## Selection of tooling systems components

- 6
  - If needed, find the complete selection of machine interface adaptors, extensions and reductions to build your modular assembly, see page M18.
  
  - CoroBore XL holders, page M139
  - Always try to keep the tools as short as possible.

## Selection of inserts

- 7
  - For information regarding start recommendations and insert recommendations for boring operations see page M147.
  
- 8
  - To order inserts, see Turning catalogue

**Included parts for assembly kits and spare parts can be found in spare parts catalogue.**

## How to choose a boring tool component

### Identify tool concepts

- 1
  - Define type of application
  - Identify your application type: roughing, finishing or face grooving. Note characteristics regarding the hole to be machined, limitations, material and the machine.
  
- 2
  - Select a boring system
  - Identify your operation type: multi-edge boring, single-edge boring, step-boring, backboring and external boring to find available diameter ranges and required accessories.

Note: remember to calculate the power and torque consumption of the application.
  
- 3
  - Follow the page indication to find order pages for components and accessories

### Select boring tool components - order pages

- 4
  - Choose the inserts depending on your hole requirements: define entering angle and insert type.
  - Select boring diameter and/or coupling size to find your corresponding boring tool component. Always try to use the largest applicable coupling.
  
- 5
  - Select the accessory (if needed) to complete the tool assembly, see page M20

### Selection of tooling systems components

- 6
  - If needed, find the complete selection of machine interface adaptors, extensions and reductions to build your modular assembly, see page M18.
  - CoroBore XL holders, page M139

### Selection of inserts

- 7
  - For information regarding start recommendations and insert recommendations for boring operations see page M147.
  
- 8
  - To order inserts, see Turning catalogue

**Spare parts can be found in the spare parts catalogue.**



# How to choose a face grooving tool

## Selection of tool concept

- 1 - The tool assembly without blade and insert is chosen by the assembly kit code selection process.

## Selection of blades

- 2 - Identify face grooving blades:
  - The first cut diameter of the blade needs to correspond to the diameter of the face grooving application.
  - The width of the groove will influence the choice of blade and inserts.
  - Use only blades with machine side interface SL32, left-hand, A-curved.
  - The blade dimension LF = 18mm (.709 inch) grant maximum diameter according to assembly kit code.
  - LF = 14 mm (.551 inch) reduces diameter range of face grooving tool with 8 mm (.315 inch).
  - See latest turning tools catalogue for blade assortment.

## Selection of inserts

- 3 - Choose between CoroCut 1-2 system inserts.
  - See latest turning tools catalogue for blade assortment.

**Included parts for assembly kits and spare parts can be found in spare parts catalogue.**

## Boring – modular tooling



Bending stiffness and torque transmission are the foremost important factors when choosing a tool holder for boring operations. For best stability and hole quality use Coromant Capto machine interface adaptors in combination with boring tools as a modular tooling solution.

Use Coromant Capto system as a modular interface to combine adaptors, extensions and machine interface adaptors for greater flexibility.

- Reduce inventory and tool investment cost
- Use extension and reduction adaptors to optimize length
- Precision and stability allows higher cutting data

### Tips & hints

- For best possible stability, clamp directly into spindle
- For maximum stability, choose largest possible coupling size and shortest possible overhang
- Increase the dynamic stiffness by adding a dampening mechanism
- For long overhangs (>4 x coupling diameter), use dedicated tools (Silent tools)
- If reductions are needed, use tapered version if possible
- Coromant Capto Tailor Made red/ext. adaptors are available for optimized design hence highest stability
- For long overhangs, a machine tool with a flange contact machine interface coupling provides best performance, e. g. Coromant Capto coupling, HSK, Big-Plus
- To avoid chip jamming, try to ensure that chips are adequately evacuated from the component

## CoroBore – Assembly kit codes

- One unique ordering code – components delivered in one package
- Easy to choose tool for the specific application
- Assembled DXF and 3D-model available – major help for CAM-programmers
- Components such as cartridges, slides, slide extensions which are not sold as complete tools, is still available as single components.
- Necessary keys are included in each tool kit

## Included parts, assembly kit:

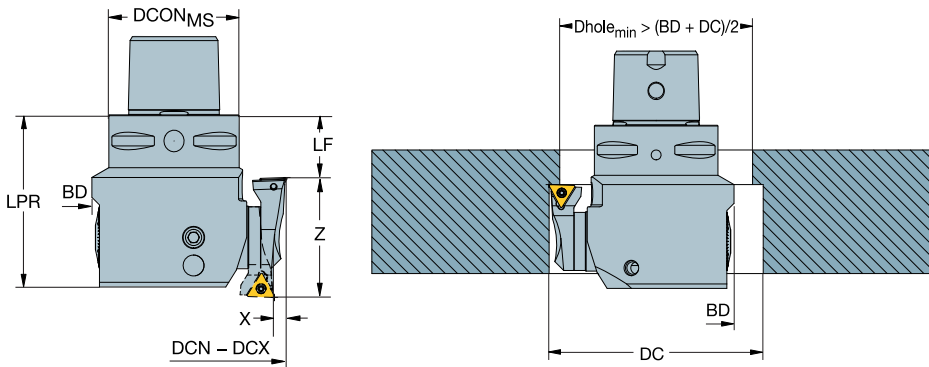
### CoroBore – Rough boring tools

CoroBore® 820	Ø 35–167 mm (1.378–6.57 inch) - Slide (3 pcs) - Adaptor (1 piece)	
DuoBore™ 821	Ø 25–150 mm (0.984–5.906 inch) - Slide (2 pcs) - Adaptor (1 piece)	
CoroBore® 820 XL	Ø 148–300 mm (5.827–11.811 inch) - Cartridge (2 pcs) - Slide (2 pcs) - Adaptor (1 piece)	Ø 298–540 mm (11.732–21.259 inch) - Cartridge (2 pcs) - Slide (2 pcs) - Bridge (1 piece)
	Ø 538–1260 mm (21.181–49.606 inch) - Cartridge (2 pcs) - Slide (2 pcs) - Bridge extension (2 pcs) - Bridge (1 piece)	

### CoroBore – Fine boring tools

CoroBore® 825	Ø 19–167 mm (0.748–6.57 inch) - Cartridge (1 piece) - Adaptor (1 piece)	
CoroBore 825 XL, CoroBore 826 XL	825: Ø 148–315 mm (5.709–12.402 inch) 826: Ø 148–300 mm (5.709–11.811 inch) - Cartridge (1 piece) - Fine boring head 825/826 (1 piece) - Slide (1 piece) - Counterweight (1 piece) - Adaptor (1 piece)	825: Ø 298–555 mm (11.732–21.850 inch) 826: Ø 298–540 mm (11.732–21.259 inch) - Cartridge (1 piece) - Fine boring head 825/826 (1 piece) - Slide (1 piece) - Counterweight (1 piece) - Bridge (1 piece)
	825: Ø 538–1275 mm (21.181–50.196 inch) 826: Ø 538–1260 mm (21.181–49.606 inch) - Cartridge (1 piece) - Fine boring head 825/826 (1 piece) - Slide (1 piece) - Counterweight (1 piece) - Bridge extension (2 pcs) - Bridge (1 piece)	

## Backboring



Cartridge size	Z (mm)	X (mm)
A	22	3.0
B	34	3.6
C	46	4.8

### Backboring for CoroBore® 825

In case of backboring, LF will be reduced by twice LF of cartridge. That means:

- LF – 22 mm for Size A (e.g. R825A-AF11STUC06T1A)
- LF – 34 mm for Size B (e.g. R825B-AF17STUC0902A)
- LF – 46 mm for Size C (e.g. R825C-AF23STUC1103A)
- Attention change rotation direction -> left hand!

DC will be increased by twice WF of slide extension. That means:

- $2 \times 3.0 = 6.0$  mm for Size A (825A-030A)
- $2 \times 3.6 = 7.2$  mm for Size B (825B-036A)
- $2 \times 4.8 = 9.6$  mm for Size C (825C-048A)
- Calculation of minimum possible hole diameter:  $D_{hole_{min}} = (BD+DC)/2+1$

### Backboring for CoroBore® 825XL

In case of backboring, LF will be reduced by twice LF of cartridge. That means:

- LF – 46 mm for Size C (e.g. R825C-AF23STUC1103A)
- Attention change rotation direction -> left hand!

DC will be increased by twice WF of slide extension. That means:

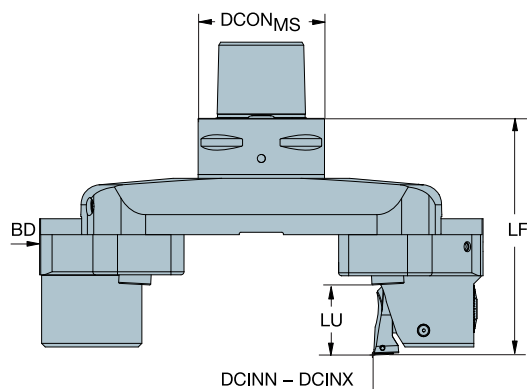
- $2 \times 4.8 = 9.6$  mm for Size C (825C-048A)
- Calculation of minimum possible hole diameter:  $D_{hole_{min}} > (DC+DC-26)/2$

Additionally it is necessary to adjust A34 fine boring head to maximum.

Example: Diameter range for 825-215TC11-C6

- **DCN (backboring)** = (DCN(forward))+(2x A34-R825 stroke)+ (2x slide extension) = 148 mm + 15 mm + 9,6 mm = **172,6 mm**
- **DCX (backboring)** = (DCX(forward)) + (2x slide extension) = 215 mm + 9,6 mm = **224,6 mm**

## External boring



### External boring for CoroBore® 825XL

In case of external boring, LF will remain the same.

Example: Diameter range for 825-215TC11-C6

- **DCN (external)** = DCN(forward)-(2x DMIN A34-R825)-(2x A34-R825 stroke) = 148 mm-110 mm-15 mm = **23 mm**
- **DCX (external)** = DCX(forward)-(2x DMIN A34-R825)-(2x A34-R825 stroke) = 215 mm- 110 mm -15 mm = **90 mm**
- Attention change rotation direction -> left hand!

The usable length for external boring at diameter 23 mm to 190 mm (Forward boring: 148 mm to 315 mm) is 34 mm.

The usable length for external at diameter 173 mm to 1150 mm (Forward boring: 298 mm to 1275 mm) is 28 mm.

### External boring for CoroBore® 826XL











In case of external boring, LF will remain the same.


Example: Diameter range for 826-200TC11-C6











- **DCN (external)**= DCN(forward)-(2xDMIN A34-R825) = 148 mm-110 mm = **38 mm**
- **DCX (external)** = DCX(forward)-(2xDMIN A34-R825) = 200 mm- 110 mm = **90 mm**
- Attention change rotation direction -> left hand!

The usable length for external boring at diameter 38 mm to 190 mm (Forward boring: 148 mm to 300 mm) is 34 mm.


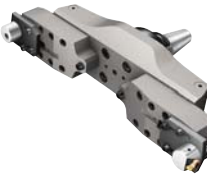








The usable length for external at diameter 188 mm to 1150 mm (Forward boring: 298 mm to 1260 mm) is 28 mm.

	Roughing				
					
	CoroBore® 820	DuoBore™ 821	●●●● SilentTools® DuoBore™ 821D	CoroBore® 820 XL	CoroBore® 820L XL
Tool concept	Conventional	Conventional	Dampened	Conventional	Light weight
Boring range, mm (inch)	35-306 (1.378-12.047)	25-150 (.984-5.906)	25-150 (.984-5.906)	148-300 (5.827-7.874)	148-300 (5.827-7.874)
Page	M26	M43	M48	M61	M66
Hole tolerance	IT9	IT9	IT9	IT9	IT9
Type of precision adjustment scale	-	-	-	-	-
Number of cutting edges	3	2	2	2	2
Coolant	Internal	Internal	Internal	Internal	Internal
Type of boring operation	Multi-edge boring Step boring Single edge boring	Multi-edge boring Step boring Single edge boring	Multi-edge boring Step boring Single edge boring	Multi-edge boring Step boring Single edge boring	Multi-edge boring Step boring Single edge boring
Blade type	-	-	-	-	-
Insert choice	CoroTurn® 107 T-Max® P	CoroTurn® 107 T-Max® P	CoroTurn® 107	CoroTurn® 107 T-Max® P CoroDrill® 880	CoroTurn® 107 T-Max® P CoroDrill® 880
Coupling type	Coromant Capto®	Coromant Capto®	Coromant Capto®	Coromant Capto®	40S with 4 bolt circle
Tool length					

	Roughing	Finishing			
					
	CoroBore® 820 XL	CoroBore® 824	391.37A/B	CoroBore® 825	CoroBore® 825
Tool concept	Conventional	Conventional	Conventional	Conventional	Conventional
Boring range, mm (inch)	148-1260 (5.827-49.606)	1-20 (.039-.787)	3-36 (.118-1.417)	19-36(.748-1.417)	19-167 (.748-6.575)
Page	M68	M86	M93	M98	M100
Hole tolerance	IT9	IT6	IT6	IT6	IT6
Type of precision adjustment scale	-	825	825	825	825
Number of cutting edges	2	1	1	1	1
Coolant	Internal	Internal	Internal	Internal	Internal
Type of boring operation	Multi-edge boring Step boring Single edge boring	Single edge boring	Single edge boring	Single edge boring Back boring	Single edge boring Back boring
Blade type	-	-	-	-	-
Insert choice	CoroTurn® 107 T-Max® P CoroDrill® 880	CoroTurn® 107 CoroTurn® XS	CoroTurn® 107 Solid bars with ground geometry	CoroTurn® 107 CoroTurn® 111	CoroTurn® 107 CoroTurn® 111
Coupling type	40X with 4 bolt circle	Coromant Capto® Coromant EH	Coromant Capto® HSK	Coromant EH Cylindrical shank	Coromant Capto® HSK
Tool length					

	Finishing				
					
	CoroBore® 825L	CoroBore® 825D	CoroBore® 825 XL/ CoroBore® 826 XL	CoroBore® 825L XL/ CoroBore® 826L XL	CoroBore® 825L XL/ CoroBore® 826L XL
Tool concept	Light weight	Dampened	Conventional	Light weight	Light weight
Boring range, mm (inch)	69-167 (2.717-6.575)	23-167 (.906-6.575)	148-315 (5.827-12.402)	148-315 (5.827-12.402)	148-315 (5.827-12.402)
Page	M102	M103	M104	M106	M108
Hole tolerance	IT6	IT6	IT6	IT6	IT6
Type of precision adjustment scale	825	825	825, 826	825, 826	825, 826
Number of cutting edges	1	1	1	1	1
Coolant	Internal	Internal	Internal	Internal	Internal
Type of boring operation	Single edge boring Back boring	Single edge boring Back boring	Single edge boring Back boring External boring	Single edge boring Back boring External boring	Single edge boring Back boring External boring
Blade type	-	-	-	-	-
Insert choice	CoroTurn® 107 CoroTurn® 111	CoroTurn® 107 CoroTurn® 111	CoroTurn® 107 CoroTurn® 111	CoroTurn® 107 CoroTurn® 111	CoroTurn® 107 CoroTurn® 111
Coupling type	Coromant Capto®	Coromant Capto®	Coromant Capto®	40S with 4 bolt circle	Coromant Capto®
Tool length					

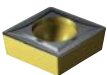


	Finishing		Face grooving		
					
	CoroBore® 825D XL, CoroBore® 826D XL	CoroBore® 825 XL/ CoroBore® 826 XL	CoroBore® 825 SL	CoroBore® 825 SL XL	CoroBore® 825 SL XL
Tool concept	Dampened	Conventional	Conventional	Conventional	Conventional
Boring range, mm (inch)	298-315 (5.827-12.402)	298-1275 (11.732-50.197)	47-150 (1.850-5.906)	148-315 (5.827-12.402)	298-1275 (11.732-50.197)
Page	M110	M112	M133	M134	M135
Hole tolerance	IT6	IT6	IT7	IT7	IT7
Type of precision adjustment scale	825, 826	825, 826	825	825	825
Number of cutting edges	1	1	1	1	1
Coolant	Internal	Internal	Internal	Internal	Internal
Type of boring operation	Single edge boring Back boring External boring	Single edge boring Back boring External boring	Face grooving	Face grooving	Face grooving
Blade type	-	-	SL32 A curve Left-hand	SL32 A curve Left-hand	SL32 A curve Left-hand
Insert choice	CoroTurn® 107 CoroTurn® 111	CoroTurn® 107 CoroTurn® 111	CoroCut®	CoroCut®	CoroCut®
Coupling type	Coromant Capto®	40X with 4 bolt circle	Coromant Capto®	Coromant Capto®	40X with 4 bolt circle
Tool length					

# CoroBore® 820 rough boring tool

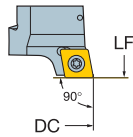
Coromant Capto® - Internal coolant supply

Up to 3 cutting edges

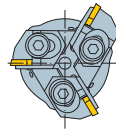


- CCMT, CCGT  
CCGX, CCET
- CCMW

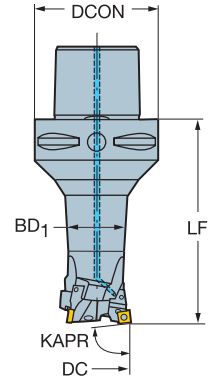
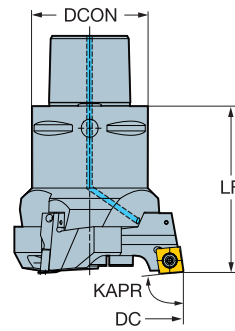
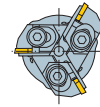
KAPR  
DSGN



90°  
1



90°  
2



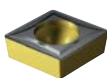
							Dimensions, mm, inch										
DCN	DCX		$\frac{1}{4}$	CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID	
35.0	40.5	06	1/4	C3	1	1	820-41CC06-C3	32.00		48.00		20	0.9	0.250	3	CCMT 06 02 04	
1.378	1.594							1.260		1.890		290				CCMT 2(1.5)1	
35.0	40.5	06	1/4	C4	1	2	820-41CC06-C4	40.00	1.50	83.00	34.00	20	0.9	0.640	3	CCMT 06 02 04	
1.378	1.594							1.575	3.268	1.339	290					CCMT 2(1.5)1	
39.5	45.0	06	1/4	C3	1	1	820-45CC06-C3	32.00		48.00		20	0.9	0.280	3	CCMT 06 02 04	
1.555	1.772							1.260		1.890		290				CCMT 2(1.5)1	
39.5	45.0	06	1/4	C4	1	2	820-45CC06-C4	40.00	1.50	48.00	38.50	20	0.9	0.670	3	CCMT 06 02 04	
1.555	1.772							1.575	1.890	1.516	290					CCMT 2(1.5)1	
44.0	50.5	06	1/4	C4	1	1	820-51CC06-C4	40.00		56.00		20	0.9	0.620	3	CCMT 06 02 04	
1.732	1.988							1.575	2.205	290						CCMT 2(1.5)1	
44.0	50.5	06	1/4	C5	1	2	820-51CC06-C5	50.00	1.50	98.00	43.00	20	0.9	1.180	3	CCMT 06 02 04	
1.732	1.988							1.969	3.858	1.693	290					CCMT 2(1.5)1	
49.5	56.0	06	1/4	C4	1	1	820-56CC06-C4	40.00		56.00		20	0.9	0.650	3	CCMT 06 02 04	
1.949	2.205							1.575	2.205	290						CCMT 2(1.5)1	
49.5	56.0	09	3/8	C4	1	1	820-56CC09-C4	40.00		58.00		20	3.0	0.680	3	CCMT 09 T3 08	
1.949	2.205							1.575	2.283	290						CCMT 3(2.5)2	
49.5	56.0	06	1/4	C5	1	2	820-56CC06-C5	50.00	1.50	98.00	48.50	20	0.9	1.210	3	CCMT 06 02 04	
1.949	2.205							1.969	3.858	1.909	290					CCMT 2(1.5)1	
49.5	56.0	09	3/8	C5	1	2	820-56CC09-C5	50.00	1.50	100.00	48.50	20	3.0	1.240	3	CCMT 09 T3 08	
1.949	2.205							1.969	3.937	1.909	290					CCMT 3(2.5)2	
55.0	63.0	09	3/8	C5	1	1	820-63CC09-C5	50.00		66.00		20	3.0	0.890	3	CCMT 09 T3 08	
2.165	2.480							1.969	2.598	290						CCMT 3(2.5)2	
55.0	63.0	09	3/8	C6	1	2	820-63CC09-C6	63.00	1.50	120.00	54.00	20	3.0	1.980	3	CCMT 09 T3 08	
2.165	2.480							2.480	4.724	2.126	290					CCMT 3(2.5)2	
62.0	70.0	09	3/8	C5	1	1	820-70CC09-C5	50.00		66.00		20	3.0	0.920	3	CCMT 09 T3 08	
2.441	2.756							1.969	2.598	290						CCMT 3(2.5)2	
62.0	70.0	12	1/2	C5	1	1	820-70CC12-C5	50.00		68.00		20	3.0	0.980	3	CCMT 12 04 08	
2.441	2.756							1.969	2.677	290						CCMT 432	



# CoroBore® 820 rough boring tool

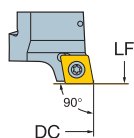
Coromant Capto® - Internal coolant supply

Up to 3 cutting edges

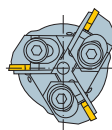


- CCMT, CCGT  
CCGX, CCET
- CCMW

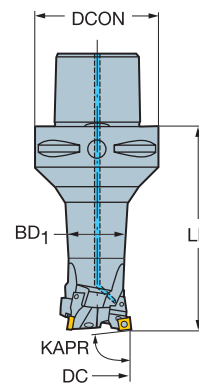
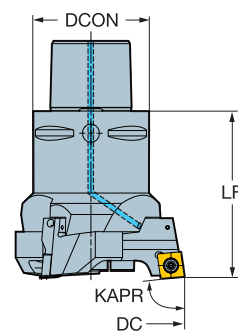
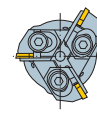
KAPR  
DSGN



90°  
1



90°  
2



								Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID
62.0	70.0	09	3/8	C6	1	2	820-70CC09-C6	63.00	1.50	120.00	61.00	20	3.0	2.040	3	CCMT 09 T3 08 CCMT 3(2.5)2
2.441	2.756							2.480		4.724	2.402	290				CCMT 12 04 08 CCMT 432
62.0	70.0	12	1/2	C6	1	2	820-70CC12-C6	63.00	1.50	122.00	61.00	20	3.0	2.070	3	CCMT 09 T3 08 CCMT 3(2.5)2
2.441	2.756							2.480		4.803	2.402	290				CCMT 12 04 08 CCMT 432
69.0	78.5	09	3/8	C5	1	1	820-79CC09-C5	50.00		70.00		20	3.0	1.150	3	CCMT 09 T3 08 CCMT 3(2.5)2
2.717	3.091							1.969		2.756	290					CCMT 12 04 08 CCMT 432
69.0	78.5	12	1/2	C5	1	1	820-79CC12-C5	50.00		70.00		20	3.0	1.180	3	CCMT 09 T3 08 CCMT 3(2.5)2
2.717	3.091							1.969		2.756	290					CCMT 12 04 08 CCMT 432
69.0	78.5	09	3/8	C6	1	1	820-79CC09-C6	63.00		78.00		20	3.0	2.100	3	CCMT 09 T3 08 CCMT 3(2.5)2
2.717	3.091							2.480		3.071	290					CCMT 12 04 08 CCMT 432
69.0	78.5	12	1/2	C6	1	1	820-79CC12-C6	63.00		78.00		20	3.0	2.130	3	CCMT 09 T3 08 CCMT 3(2.5)2
2.717	3.091							2.480		3.071	290					CCMT 12 04 08 CCMT 432
77.5	87.0	09	3/8	C5	1	1	820-87CC09-C5	50.00		70.00		20	3.0	1.210	3	CCMT 09 T3 08 CCMT 3(2.5)2
3.051	3.425							1.969		2.756	290					CCMT 12 04 08 CCMT 432
77.5	87.0	12	1/2	C5	1	1	820-87CC12-C5	50.00		70.00		20	3.0	1.210	3	CCMT 09 T3 08 CCMT 3(2.5)2
3.051	3.425							1.969		2.756	290					CCMT 12 04 08 CCMT 432
77.5	87.0	09	3/8	C6	1	1	820-87CC09-C6	63.00		78.00		20	3.0	2.160	3	CCMT 09 T3 08 CCMT 3(2.5)2
3.051	3.425							2.480		3.071	290					CCMT 12 04 08 CCMT 432
77.5	87.0	12	1/2	C6	1	1	820-87CC12-C6	63.00		78.00		20	3.0	2.160	3	CCMT 09 T3 08 CCMT 3(2.5)2
3.051	3.425							2.480		3.071	290					CCMT 12 04 08 CCMT 432
86.0	97.0	12	1/2	C6	1	1	820-97CC12-C6	63.00		90.00		20	3.0	2.280	3	CCMT 09 T3 08 CCMT 3(2.5)2
3.386	3.819							2.480		3.543	290					CCMT 12 04 08 CCMT 432
86.0	97.0	12	1/2	C8	1	1	820-97CC12-C8	80.00		94.00		20	3.0	3.300	3	CCMT 09 T3 08 CCMT 3(2.5)2
3.386	3.819							3.150		3.701	290					CCMT 12 04 08 CCMT 432
96.0	107.0	12	1/2	C6	1	1	820-107CC12-C6	63.00		90.00		20	3.0	2.340	3	CCMT 09 T3 08 CCMT 3(2.5)2
3.780	4.213							2.480		3.543	290					CCMT 12 04 08 CCMT 432
96.0	107.0	12	1/2	C8	1	1	820-107CC12-C8	80.00		94.00		20	3.0	3.360	3	CCMT 09 T3 08 CCMT 3(2.5)2
3.780	4.213							3.150		3.701	290					CCMT 12 04 08 CCMT 432

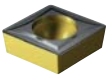
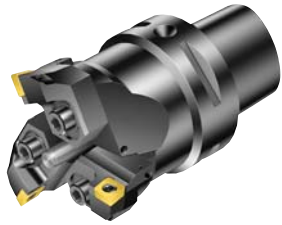


Q28

# CoroBore® 820 rough boring tool

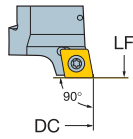
Coromant Capto® - Internal coolant supply

Up to 3 cutting edges

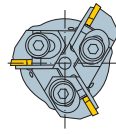


- CCMT, CCGT  
CCGX, CCET
- CCMW

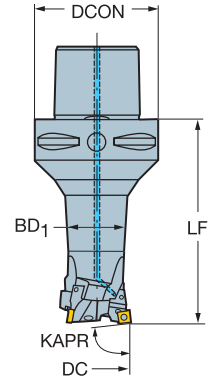
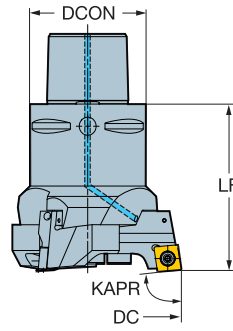
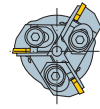
KAPR  
DSGN



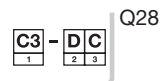
90°  
1



90°  
2



							Dimensions, mm, inch									
DCN	DCX			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID
106.0	122.0	12	1/2	C8	1	1	820-122CC12-C8	80.00		100.00	20	3.0	4.100	3	CCMT 12 04 08	
4.173	4.803							3.150		3.937	290				CCMT 432	
121.0	137.0	12	1/2	C8	1	1	820-137CC12-C8	80.00		100.00	20	3.0	4.250	3	CCMT 12 04 08	
4.764	5.394							3.150		3.937	290				CCMT 432	
136.0	152.0	12	1/2	C8	1	1	820-152CC12-C8	80.00		100.00	20	3.0	4.760	3	CCMT 12 04 08	
5.354	5.984							3.150		3.937	290				CCMT 432	
151.0	167.0	12	1/2	C8	1	1	820-167CC12-C8	80.00		100.00	20	3.0	4.880	3	CCMT 12 04 08	
5.945	6.575							3.150		3.937	290				CCMT 432	



# CoroBore® 820 rough boring tool

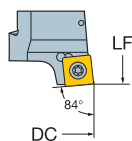
Coromant Capto® - Internal coolant supply

Up to 3 cutting edges

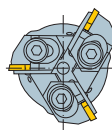


SCMT, SCGX  
SCMW

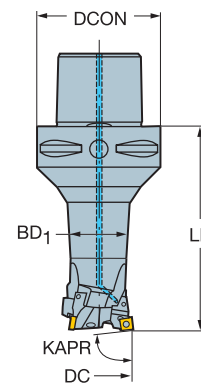
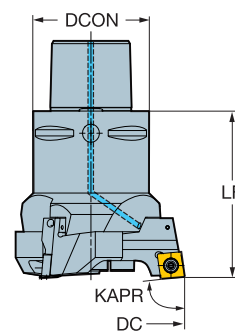
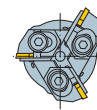
KAPR  
DSGN



84°  
1



84°  
2



							Dimensions, mm, inch									
DCN	DCX			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID
49.5	56.0	09	3/8	C4	1	1	820-56SC09-C4	40.00	58.00	20	3.0	0.680	3	SCMT 09 T3 08		
1.949	2.205							1.575	2.283	290				SCMT 3(2.5)2		
49.5	56.0	09	3/8	C5	1	2	820-56SC09-C5	50.00	1.50	100.00	48.50	20	3.0	1.240	3	SCMT 09 T3 08
1.949	2.205							1.969	3.937	1.909	290			SCMT 3(2.5)2		
55.0	63.0	09	3/8	C5	1	1	820-63SC09-C5	50.00	66.00	20	3.0	0.890	3	SCMT 09 T3 08		
2.165	2.480							1.969	2.598	290				SCMT 3(2.5)2		
55.0	63.0	09	3/8	C6	1	2	820-63SC09-C6	63.00	1.50	120.00	54.00	20	3.0	1.980	3	SCMT 09 T3 08
2.165	2.480							2.480	4.724	2.126	290			SCMT 3(2.5)2		
62.0	70.0	09	3/8	C5	1	1	820-70SC09-C5	50.00	66.00	20	3.0	0.920	3	SCMT 09 T3 08		
2.441	2.756							1.969	2.598	290				SCMT 3(2.5)2		
62.0	70.0	12	1/2	C5	1	1	820-70SC12-C5	50.00	68.00	20	3.0	0.980	3	SCMT 12 04 08		
2.441	2.756							1.969	2.677	290				SCMT 432		
62.0	70.0	09	3/8	C6	1	2	820-70SC09-C6	63.00	1.50	120.00	61.00	20	3.0	2.010	3	SCMT 09 T3 08
2.441	2.756							2.480	4.724	2.402	290			SCMT 3(2.5)2		
62.0	70.0	12	1/2	C6	1	2	820-70SC12-C6	63.00	1.50	122.00	61.00	20	3.0	2.070	3	SCMT 12 04 08
2.441	2.756							2.480	4.803	2.402	290			SCMT 432		
69.0	78.5	09	3/8	C5	1	1	820-79SC09-C5	50.00	70.00	20	3.0	1.150	3	SCMT 09 T3 08		
2.717	3.091							1.969	2.756	290				SCMT 3(2.5)2		
69.0	78.5	12	1/2	C5	1	1	820-79SC12-C5	50.00	70.00	20	3.0	1.210	3	SCMT 12 04 08		
2.717	3.091							1.969	2.756	290				SCMT 432		
69.0	78.5	09	3/8	C6	1	1	820-79SC09-C6	63.00	78.00	20	3.0	2.100	3	SCMT 09 T3 08		
2.717	3.091							2.480	3.071	290				SCMT 3(2.5)2		
69.0	78.5	12	1/2	C6	1	1	820-79SC12-C6	63.00	78.00	20	3.0	2.160	3	SCMT 12 04 08		
2.717	3.091							2.480	3.071	290				SCMT 432		
77.5	87.0	09	3/8	C5	1	1	820-87SC09-C5	50.00	70.00	20	3.0	1.210	3	SCMT 09 T3 08		
3.051	3.425							1.969	2.756	290				SCMT 3(2.5)2		
77.5	87.0	12	1/2	C5	1	1	820-87SC12-C5	50.00	70.00	20	3.0	1.240	3	SCMT 12 04 08		
3.051	3.425							1.969	2.756	290				SCMT 432		



O5



Q1



Q35



Q28



# CoroBore® 820 rough boring tool

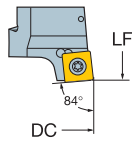
Coromant Capto® - Internal coolant supply

Up to 3 cutting edges

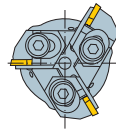


SCMT, SCGX  
SCMW

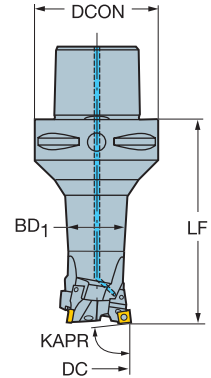
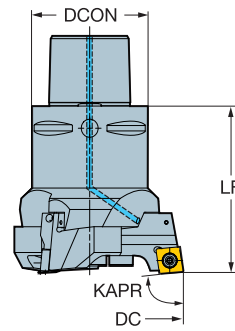
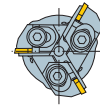
KAPR  
DSGN



84°  
1



84°  
2



							Dimensions, mm, inch									
DCN	DCX			DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID		
77.5	87.0	09	3/8	C6	1	1	820-87SC09-C6	63.00	78.00	20	3.0	2.160	3	SCMT 09 T3 08		
3.051	3.425							2.480	3.071	290				SCMT 3(2.5)2		
77.5	87.0	12	1/2	C6	1	1	820-87SC12-C6	63.00	78.00	20	3.0	2.190	3	SCMT 12 04 08		
3.051	3.425							2.480	3.071	290				SCMT 432		
86.0	97.0	12	1/2	C6	1	1	820-97SC12-C6	63.00	90.00	20	3.0	2.280	3	SCMT 12 04 08		
3.386	3.819							2.480	3.543	290				SCMT 432		
86.0	97.0	12	1/2	C8	1	1	820-97SC12-C8	80.00	94.00	20	3.0	3.300	3	SCMT 12 04 08		
3.386	3.819							3.150	3.701	290				SCMT 432		
96.0	107.0	12	1/2	C6	1	1	820-107SC12-C6	63.00	90.00	20	3.0	2.340	3	SCMT 12 04 08		
3.780	4.213							2.480	3.543	290				SCMT 432		
96.0	107.0	12	1/2	C8	1	1	820-107SC12-C8	80.00	94.00	20	3.0	3.360	3	SCMT 12 04 08		
3.780	4.213							3.150	3.701	290				SCMT 432		
106.0	122.0	12	1/2	C8	1	1	820-122SC12-C8	80.00	100.00	20	3.0	4.100	3	SCMT 12 04 08		
4.173	4.803							3.150	3.937	290				SCMT 432		
121.0	137.0	12	1/2	C8	1	1	820-137SC12-C8	80.00	100.00	20	3.0	4.250	3	SCMT 12 04 08		
4.764	5.394							3.150	3.937	290				SCMT 432		
136.0	152.0	12	1/2	C8	1	1	820-152SC12-C8	80.00	100.00	20	3.0	4.760	3	SCMT 12 04 08		
5.354	5.984							3.150	3.937	290				SCMT 432		
151.0	167.0	12	1/2	C8	1	1	820-167SC12-C8	80.00	100.00	20	3.0	4.880	3	SCMT 12 04 08		
5.945	6.575							3.150	3.937	290				SCMT 432		



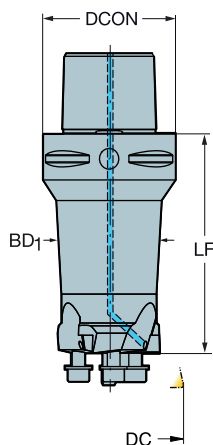
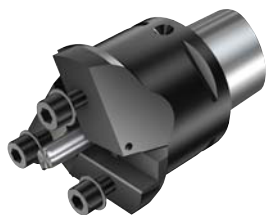
Q35



Q28

# Coromant Capto® to CoroBore® 820 tool body

Internal coolant supply



					Dimensions, mm, inch									
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF	LF <sub>1</sub>	LF <sub>2</sub>	WF	BD <sub>1</sub>	CP Bar/PSI	Nm	Kg
35.0	45.0	C3	A	1	C3-R820A-AA3037A	32.00	37.00			7.70	31.50	20	4.8	0.220
<i>1.378</i>	<i>1.772</i>					<i>1.260</i>	<i>1.457</i>			<i>.303</i>	<i>1.240</i>	<i>290</i>		
35.0	45.0	C4	A	1	C4-R820A-AA3072A	40.00	72.00			7.70	31.50	20	4.8	0.610
<i>1.378</i>	<i>1.772</i>					<i>1.575</i>	<i>2.835</i>			<i>.303</i>	<i>1.240</i>	<i>290</i>		
44.0	56.0	C4	B	1	C4-R820B-AA3044A	40.00	44.00			10.65	39.60	20	9.0	0.560
<i>1.732</i>	<i>2.205</i>					<i>1.575</i>	<i>1.732</i>			<i>.419</i>	<i>1.559</i>	<i>290</i>		
35.0	45.0	C5	A	1	C5-R820A-AA3080A	50.00	80.00			7.70	31.50	20	4.8	0.870
<i>1.378</i>	<i>1.772</i>					<i>1.969</i>	<i>3.150</i>			<i>.303</i>	<i>1.240</i>	<i>290</i>		
44.0	56.0	C5	B	1	C5-R820B-AA3086A	50.00	86.00			10.65	39.60	20	9.0	1.120
<i>1.732</i>	<i>2.205</i>					<i>1.969</i>	<i>3.386</i>			<i>.419</i>	<i>1.559</i>	<i>290</i>		
55.0	70.0	C5	C	1	C5-R820C-AA3050A	50.00	50.00			12.30	49.50	20	16.0	0.770
<i>2.165</i>	<i>2.756</i>					<i>1.969</i>	<i>1.969</i>			<i>.484</i>	<i>1.949</i>	<i>290</i>		
69.0	87.0	C5	D	1	C5-R820D-AA3052A	50.00	52.00			13.95	62.10	20	16.0	0.940
<i>2.717</i>	<i>3.425</i>					<i>1.969</i>	<i>2.047</i>			<i>.549</i>	<i>2.445</i>	<i>290</i>		
35.0	45.0	C6	A	1	C6-R820A-AA3089A	63.00	89.00			7.70	31.50	20	4.8	1.250
<i>1.378</i>	<i>1.772</i>					<i>2.480</i>	<i>3.504</i>			<i>.303</i>	<i>1.240</i>	<i>290</i>		
44.0	56.0	C6	B	1	C6-R820B-AA3099A	63.00	99.00			10.65	39.60	20	9.0	1.620
<i>1.732</i>	<i>2.205</i>					<i>2.480</i>	<i>3.898</i>			<i>.419</i>	<i>1.559</i>	<i>290</i>		
55.0	70.0	C6	C	1	C6-R820C-AA3104A	63.00	104.00			12.30	49.50	20	16.0	1.860
<i>2.165</i>	<i>2.756</i>					<i>2.480</i>	<i>4.094</i>			<i>.484</i>	<i>1.949</i>	<i>290</i>		
69.0	87.0	C6	D	1	C6-R820D-AA3060A	63.00	60.00			13.95	62.10	20	16.0	1.890
<i>2.717</i>	<i>3.425</i>					<i>2.480</i>	<i>2.362</i>			<i>.549</i>	<i>2.445</i>	<i>290</i>		
86.0	107.0	C6	E	1	C6-R820E-AA3068A	63.00	68.00			17.00	77.40	20	38.0	1.890
<i>3.386</i>	<i>4.213</i>					<i>2.480</i>	<i>2.677</i>			<i>.669</i>	<i>3.047</i>	<i>290</i>		
86.0	107.0	C8	E	1	C8-R820E-AA3072A	80.00	72.00			17.00	77.40	20	38.0	2.910
<i>3.386</i>	<i>4.213</i>					<i>3.150</i>	<i>2.835</i>			<i>.669</i>	<i>3.047</i>	<i>290</i>		
106.0	137.0	C8	F	1	C8-R820F-AA3076A	80.00	76.00			22.65	95.40	20	75.0	3.440
<i>4.173</i>	<i>5.394</i>					<i>3.150</i>	<i>2.992</i>			<i>.892</i>	<i>3.756</i>	<i>290</i>		
136.0	167.0	C8	G	1	C8-R820G-AA3076A	80.00	76.00			30.15	122.40	20	75.0	3.830
<i>5.354</i>	<i>6.575</i>					<i>3.150</i>	<i>2.992</i>			<i>1.187</i>	<i>4.819</i>	<i>290</i>		
166.0	214.0	C8	H	1	C8-R820H-AA3089A	80.00	89.00	89.00		149.40	20	75.0	5.570	
<i>6.535</i>	<i>8.425</i>					<i>3.150</i>	<i>3.504</i>	<i>3.504</i>		<i>5.882</i>	<i>290</i>			
212.0	260.0	C8	I	1	C8-R820I-AA3089A	80.00	89.00	89.00		190.80	20	75.0	6.880	
<i>8.346</i>	<i>10.236</i>					<i>3.150</i>	<i>3.504</i>	<i>3.504</i>		<i>7.512</i>	<i>290</i>			
258.0	306.0	C8	I	1	C8-R820IX-AA3094A	80.00	94.00	94.00		236.80	20	75.0	8.860	
<i>10.158</i>	<i>12.047</i>					<i>3.150</i>	<i>3.701</i>	<i>3.701</i>		<i>9.323</i>	<i>290</i>			



Q1

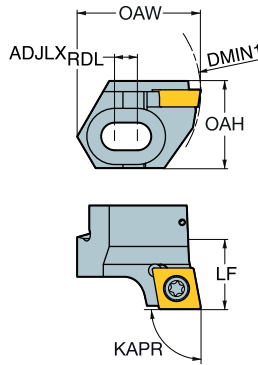
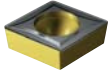


Q35



# Slide for CoroBore® 820

KAPR 90°



- CCMT, CCGT  
CCGX, CCET
- CCMW

		Dimensions, mm, inch											
DMIN <sub>1</sub>		CZC <sub>MS</sub>	CNSC	Ordering code	ADJLX <sub>RDL</sub>	LF	WF	OAH	OAW			MIID	
35.0	06	1/4	A	0	R820A-AR11SCFC06A	2.75	11.00	9.41	12.90	18.20	0.9	0.263	CCMT 06 02 04
1.378						.108	.433	.370	.508	.717			CCMT 2(1.5)1
39.5	06	1/4	A	0	R820A-BR11SCFC06A	2.75	11.00	11.66	12.90	20.50	0.9	0.029	CCMT 06 02 04
1.555						.108	.433	.459	.508	.807			CCMT 2(1.5)1
44.0	06	1/4	B	0	R820B-AR12SCFC06A	3.25	12.00	10.95	15.30	22.10	0.9	0.020	CCMT 06 02 04
1.732						.128	.472	.431	.602	.870			CCMT 2(1.5)1
49.5	06	1/4	B	0	R820B-BR12SCFC06A	3.25	12.00	13.70	15.30	24.90	0.9	0.030	CCMT 06 02 04
1.949						.128	.472	.539	.602	.980			CCMT 2(1.5)1
49.5	09	3/8	B	0	R820B-BR14SCFC09A	3.25	14.00	13.70	15.30	24.80	3.0	0.040	CCMT 09 T3 08
1.949						.128	.551	.539	.602	.976			CCMT 3(2.5)2
55.0	09	3/8	C	0	R820C-AR16SCFC09A	4.00	16.00	14.65	20.10	28.60	3.0	0.069	CCMT 09 T3 08
2.165						.157	.630	.577	.791	1.126			CCMT 3(2.5)2
62.0	09	3/8	C	0	R820C-BR16SCFC09A	4.00	16.00	18.15	20.10	32.10	3.0	0.070	CCMT 09 T3 08
2.441						.157	.630	.715	.791	1.264			CCMT 3(2.5)2
62.0	12	1/2	C	0	R820C-BR18SCFC12A	4.00	18.00	18.08	20.10	32.00	3.0	0.070	CCMT 12 04 08
2.441						.157	.709	.712	.791	1.260			CCMT 432
69.0	09	3/8	D	0	R820D-AR18SCFC09A	4.75	18.00	19.90	24.10	35.50	3.0	0.069	CCMT 09 T3 08
2.717						.187	.709	.783	.949	1.398			CCMT 3(2.5)2
69.0	12	1/2	D	0	R820D-AR18SCFC12A	4.75	18.00	19.90	24.10	35.50	3.0	0.069	CCMT 12 04 08
2.717						.187	.709	.783	.949	1.398			CCMT 432
77.5	09	3/8	D	0	R820D-BR18SCFC09A	4.75	18.00	24.15	24.10	39.70	3.0	0.600	CCMT 09 T3 08
3.051						.187	.709	.951	.949	1.563			CCMT 3(2.5)2
77.5	12	1/2	D	0	R820D-BR18SCFC12A	4.75	18.00	24.15	24.10	39.70	3.0	0.096	CCMT 12 04 08
3.051						.187	.709	.951	.949	1.563			CCMT 432
86.0	12	1/2	E	0	R820E-AR22SCFC12A	5.50	22.00	25.22	28.90	43.70	3.0	0.148	CCMT 12 04 08
3.386						.217	.866	.993	1.138	1.720			CCMT 432
96.0	12	1/2	E	0	R820E-BR22SCFC12A	5.50	22.00	30.23	28.90	48.70	3.0	0.148	CCMT 12 04 08
3.780						.217	.866	1.190	1.138	1.917			CCMT 432
106.0	12	1/2	F	0	R820F-AR24SCFC12A	8.00	24.00	29.55	34.70	54.20	3.0	0.226	CCMT 12 04 08
4.173						.315	.945	1.163	1.366	2.134			CCMT 432
121.0	12	1/2	F	0	R820F-BR24SCFC12A	8.00	24.00	37.05	34.70	61.70	3.0	0.263	CCMT 12 04 08
4.764						.315	.945	1.459	1.366	2.429			CCMT 432



Q1



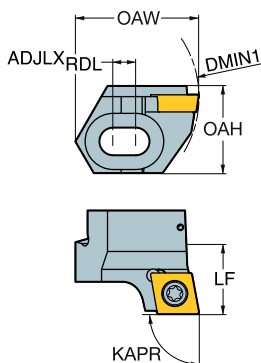
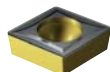
Q35



# Slide for CoroBore® 820

KAPR

90°



- CCMT, CCGT  
CCGX, CCET
- CCMW

						Dimensions, mm, inch											
DMIN <sub>1</sub>		IC <sub>1</sub>	CZC <sub>MS</sub>	CN <sub>SC</sub>	Ordering code	ADJLX <sub>RDL</sub>	LF	WF	OAH	OAW			MIID				
136.0	12	1/2	G	0	R820G-AR24SCFC12A	8.00	24.00	37.05	34.70	69.20	3.0	0.088	CCMT 12 04 08				
5.354						.315	.945	1.459	1.366	2.724			CCMT 432				
151.0	12	1/2	G	0	R820G-BR24SCFC12A	8.00	24.00	44.53	34.70	76.70	3.0	0.399	CCMT 12 04 08				
5.945						.315	.945	1.753	1.366	3.020			CCMT 432				
166.0	12	1/2	H	0	R820H-AR26SCFC12A	12.50	26.00	36.92	42.20	77.40	3.0	0.440	CCMT 12 04 08				
6.535						.492	1.024	1.454	1.661	3.047			CCMT 432				
189.0	12	1/2	H	0	R820H-BR26SCFC12A	12.50	26.00	48.43	42.20	88.90	3.0	1.000	CCMT 12 04 08				
7.441						.492	1.024	1.907	1.661	3.500			CCMT 432				
212.0	12	1/2	I	0	R820I-AR26SCFC12A	12.50	26.00	48.43	42.20	100.40	3.0	0.588	CCMT 12 04 08				
8.346						.492	1.024	1.907	1.661	3.953			CCMT 432				
235.0	12	1/2	I	0	R820I-BR26SCFC12A	12.50	26.00	59.93	42.20	111.90	3.0	0.800	CCMT 12 04 08				
9.252						.492	1.024	2.359	1.661	4.406			CCMT 432				



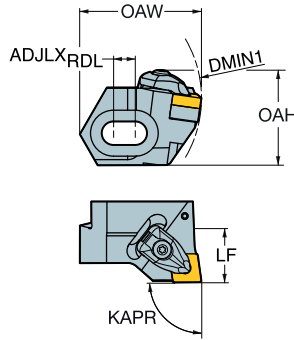
Q1



Q35

# Slide for CoroBore® 820

KAPR 90°



- CNMM, CNGP
- CNMG
- CNMA, CNGA

		Dimensions, mm, inch											
DMIN <sub>1</sub>		CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	LF	WF	OAH	OAW			MIID	
106.0	12	1/2	F	0	R820F-AR24DCFN12A	8.00	24.00	29.55	42.40	54.20	3.9	0.240	CNMG 12 04 08
4.173						.315	.945	1.163	1.669	2.134			CNMG 432
121.0	12	1/2	F	0	R820F-BR24DCFN12A	8.00	24.00	37.05	42.40	61.70	3.9	0.290	CNMG 12 04 08
4.764						.315	.945	1.459	1.669	2.429			CNMG 432
136.0	12	1/2	G	0	R820G-AR24DCFN12A	8.00	24.00	37.05	42.10	69.20	3.9	0.399	CNMG 12 04 08
5.354						.315	.945	1.459	1.657	2.724			CNMG 432
151.0	12	1/2	G	0	R820G-BR24DCFN12A	8.00	24.00	44.53	42.10	76.70	3.9	0.399	CNMG 12 04 08
5.945						.315	.945	1.753	1.657	3.020			CNMG 432
166.0	16	5/8	H	0	R820H-AR36DCFN16A	12.50	36.00	49.95	60.00	85.00	6.4	0.800	CNMG 16 06 12
6.535						.492	1.417	1.967	2.362	3.346			CNMG 543
189.0	16	5/8	H	0	R820H-BR36DCFN16A	12.50	36.00	61.45	60.00	96.50	6.4	1.000	CNMG 16 06 12
7.441						.492	1.417	2.419	2.362	3.799			CNMG 543
212.0	16	5/8	I	0	R820I-AR36DCFN16A	12.50	36.00	61.45	59.50	108.00	6.4	1.200	CNMG 16 06 12
8.346						.492	1.417	2.419	2.343	4.252			CNMG 543
235.0	16	5/8	I	0	R820I-BR36DCFN16A	12.50	36.00	72.95	59.50	119.50	6.4	1.200	CNMG 16 06 12
9.252						.492	1.417	2.872	2.343	4.705			CNMG 543



Q1

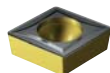


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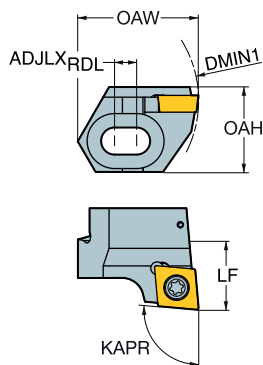
# Slide for CoroBore® 820

KAPR

95°



- CCMT, CCGT  
CCGX, CCET
- CCMW



						Dimensions, mm, inch										
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLX <sub>RDL</sub>	LF	WF	OAH	OAW			MIID			
35.0	06	1/4	A	0	R820A-AR11SCLC06A	2.75	11.00	9.41	12.90	18.20	0.9	0.263	CCMT 06 02 04			
1.378						.108	.433	.370	.508	.717			CCMT 2(1.5)1			
39.5	06	1/4	A	0	R820A-BR11SCLC06A	2.75	11.00	11.66	12.90	20.50	0.9	0.263	CCMT 06 02 04			
1.555						.108	.433	.459	.508	.807			CCMT 2(1.5)1			
44.0	06	1/4	B	0	R820B-AR12SCLC06A	3.25	12.00	10.95	15.30	22.10	0.9	0.020	CCMT 06 02 04			
1.732						.128	.472	.431	.602	.870			CCMT 2(1.5)1			
49.5	06	1/4	B	0	R820B-BR12SCLC06A	3.25	12.00	13.70	15.30	24.90	0.9	0.030	CCMT 06 02 04			
1.949						.128	.472	.539	.602	.980			CCMT 2(1.5)1			
49.5	09	3/8	B	0	R820B-BR14SCLC09A	3.25	14.00	13.70	15.30	24.80	3.0	0.040	CCMT 09 T3 08			
1.949						.128	.551	.539	.602	.976			CCMT 3(2.5)2			
55.0	09	3/8	C	0	R820C-AR16SCLC09A	4.00	16.00	14.65	20.10	28.60	3.0	0.070	CCMT 09 T3 08			
2.165						.157	.630	.577	.791	1.126			CCMT 3(2.5)2			
62.0	09	3/8	C	0	R820C-BR16SCLC09A	4.00	16.00	18.15	20.10	32.10	3.0	0.070	CCMT 09 T3 08			
2.441						.157	.630	.715	.791	1.264			CCMT 3(2.5)2			
62.0	12	1/2	C	0	R820C-BR18SCLC12A	4.00	18.00	18.08	20.10	32.00	3.0	0.069	CCMT 12 04 08			
2.441						.157	.709	.712	.791	1.260			CCMT 432			
69.0	09	3/8	D	0	R820D-AR18SCLC09A	4.75	18.00	19.90	24.10	35.50	3.0	0.069	CCMT 09 T3 08			
2.717						.187	.709	.783	.949	1.398			CCMT 3(2.5)2			
69.0	12	1/2	D	0	R820D-AR18SCLC12A	4.75	18.00	19.90	24.10	35.50	3.0	0.069	CCMT 12 04 08			
2.717						.187	.709	.783	.949	1.398			CCMT 432			
77.5	09	3/8	D	0	R820D-BR18SCLC09A	4.75	18.00	24.15	24.10	39.70	3.0	0.208	CCMT 09 T3 08			
3.051						.187	.709	.951	.949	1.563			CCMT 3(2.5)2			
77.5	12	1/2	D	0	R820D-BR18SCLC12A	4.75	18.00	24.15	24.10	39.70	3.0	0.096	CCMT 12 04 08			
3.051						.187	.709	.951	.949	1.563			CCMT 432			
86.0	12	1/2	E	0	R820E-AR22SCLC12A	5.50	22.00	25.22	28.90	43.70	3.0	0.148	CCMT 12 04 08			
3.386						.217	.866	.993	1.138	1.720			CCMT 432			
96.0	12	1/2	E	0	R820E-BR22SCLC12A	5.50	22.00	30.23	28.90	48.70	3.0	0.148	CCMT 12 04 08			
3.780						.217	.866	1.190	1.138	1.917			CCMT 432			
106.0	12	1/2	F	0	R820F-AR24SCLC12A	8.00	24.00	29.55	34.70	54.20	3.0	0.226	CCMT 12 04 08			
4.173						.315	.945	1.163	1.366	2.134			CCMT 432			
121.0	12	1/2	F	0	R820F-BR24SCLC12A	8.00	24.00	37.05	34.70	61.70	3.0	0.263	CCMT 12 04 08			
4.764						.315	.945	1.459	1.366	2.429			CCMT 432			



Q1

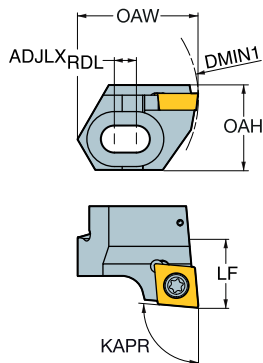
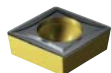
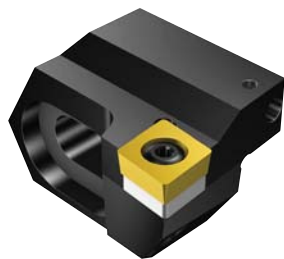


Q35



# Slide for CoroBore® 820

KAPR 95°



- CCMT, CCGT
- CCGX, CCET
- CCMW

Dimensions, mm, inch

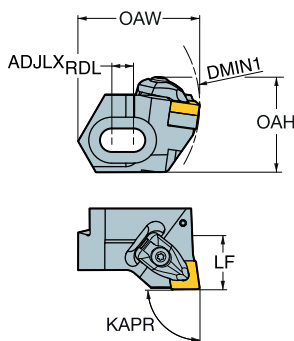
DMIN <sub>1</sub>	IC	CZC <sub>MS</sub>	CNSC	Ordering code	Dimensions, mm, inch						MIID		
					ADJLXRDL	LF	WF	OAH	OAW				
136.0	12	1/2	G	0	R820G-AR24SCLC12A	8.00	24.00	37.05	34.70	69.20	3.0	0.086	CCMT 12 04 08
5.354						.315	.945	1.459	1.366	2.724			CCMT 432
151.0	12	1/2	G	0	R820G-BR24SCLC12A	8.00	24.00	44.53	34.70	76.70	3.0	0.399	CCMT 12 04 08
5.945						.315	.945	1.753	1.366	3.020			CCMT 432
166.0	12	1/2	H	0	R820H-AR26SCLC12A	12.50	26.00	36.92	42.20	77.40	3.0	0.440	CCMT 12 04 08
6.535						.492	1.024	1.454	1.661	3.047			CCMT 432
189.0	12	1/2	H	0	R820H-BR26SCLC12A	12.50	26.00	48.43	42.20	88.90	3.0	1.000	CCMT 12 04 08
7.441						.492	1.024	1.907	1.661	3.500			CCMT 432
212.0	12	1/2	I	0	R820I-AR26SCLC12A	12.50	26.00	48.43	42.20	100.40	3.0	0.588	CCMT 12 04 08
8.346						.492	1.024	1.907	1.661	3.953			CCMT 432
235.0	12	1/2	I	0	R820I-BR26SCLC12A	12.50	26.00	59.93	42.20	111.90	3.0	0.800	CCMT 12 04 08
9.252						.492	1.024	2.359	1.661	4.406			CCMT 432



# Slide for CoroBore® 820

KAPR

95°



- CNMM, CNGP
- CNMG
- CNMA, CNGA

						Dimensions, mm, inch								
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	LF	WF	OAH	OAW			MIID	
106.0	12	1/2	F	0	R820F-AR24DCLN12A	8.00	24.00	29.55	42.20	54.20	3.9	0.240	CNMG 12 04 08	
4.173						.315	.945	1.163	1.661	2.134			CNMG 432	
121.0	12	1/2	F	0	R820F-BR24DCLN12A	8.00	24.00	37.05	42.20	61.70	3.9	0.291	CNMG 12 04 08	
4.764						.315	.945	1.459	1.661	2.429			CNMG 432	
136.0	12	1/2	G	0	R820G-AR24DCLN12A	8.00	24.00	37.05	42.10	69.20	3.9	0.398	CNMG 12 04 08	
5.354						.315	.945	1.459	1.657	2.724			CNMG 432	
151.0	12	1/2	G	0	R820G-BR24DCLN12A	8.00	24.00	44.53	42.10	76.70	3.9	0.399	CNMG 12 04 08	
5.945						.315	.945	1.753	1.657	3.020			CNMG 432	
166.0	16	5/8	H	0	R820H-AR36DCLN16A	12.50	36.00	49.95	60.00	85.00	6.4	0.800	CNMG 16 06 12	
6.535						.492	1.417	1.967	2.362	3.346			CNMG 543	
189.0	16	5/8	H	0	R820H-BR36DCLN16A	12.50	36.00	61.45	60.00	96.50	6.4	1.000	CNMG 16 06 12	
7.441						.492	1.417	2.419	2.362	3.799			CNMG 543	
212.0	16	5/8	I	0	R820I-AR36DCLN16A	12.50	36.00	61.45	59.50	108.00	6.4	1.200	CNMG 16 06 12	
8.346						.492	1.417	2.419	2.343	4.252			CNMG 543	
235.0	16	5/8	I	0	R820I-BR36DCLN16A	12.50	36.00	72.95	59.50	119.50	6.4	1.200	CNMG 16 06 12	
9.252						.492	1.417	2.872	2.343	4.705			CNMG 543	



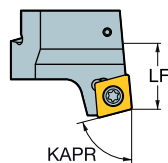
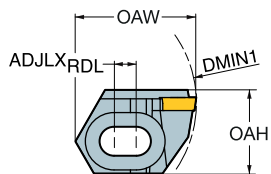
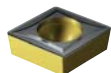
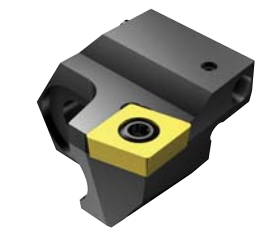
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Q35

# Slide for CoroBore® 820

KAPR 75°



- CCMT, CCGT  
CCGX, CCET
- CCMW

Dimensions, mm, inch



DMIN <sub>1</sub>		IC	CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	LF	WF	OAH	OAW			MIID
35.0	06	1/4	A	0	R820A-AR11SCKC06A	2.75	11.00	9.41	12.90	18.20	0.9	0.028	CCMT 06 02 04
1.378						.108	.433	.370	.508	.717			CCMT 2(1.5)1
39.5	06	1/4	A	0	R820A-BR11SCKC06A	2.75	11.00	11.66	12.90	20.50	0.9	0.030	CCMT 06 02 04
1.555						.108	.433	.459	.508	.807			CCMT 2(1.5)1
44.0	06	1/4	B	0	R820B-AR12SCKC06A	3.25	12.00	10.95	15.30	22.10	0.9	0.033	CCMT 06 02 04
1.732						.128	.472	.431	.602	.870			CCMT 2(1.5)1
49.5	06	1/4	B	0	R820B-BR12SCKC06A	3.25	12.00	13.70	15.30	24.90	0.9	0.037	CCMT 06 02 04
1.949						.128	.472	.539	.602	.980			CCMT 2(1.5)1



Q1



Q35

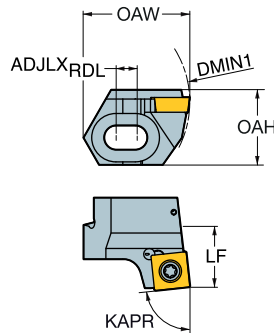
# Slide for CoroBore® 820

KAPR

84°



SCMT, SCGX  
 SCMW



		Dimensions, mm, inch											
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	Lf	WF	OAH	OAW			MIID
49.5	09	3/8	B	0	R820B-BR14SSYC09A	3.25	14.00	13.70	15.30	24.80	3.0	0.050	SCMT 09 T3 08
1.949						.128	.551	.539	.602	.976			SCMT 3(2.5)2
55.0	09	3/8	C	0	R820C-AR16SSYC09A	4.00	16.00	14.65	20.10	28.50	3.0	0.070	SCMT 09 T3 08
2.165						.157	.630	.577	.791	1.122			SCMT 3(2.5)2
62.0	09	3/8	C	0	R820C-BR16SSYC09A	4.00	16.00	18.08	20.10	32.00	3.0	0.070	SCMT 09 T3 08
2.441						.157	.630	.712	.791	1.260			SCMT 3(2.5)2
62.0	12	1/2	C	0	R820C-BR18SSYC12A	4.00	18.00	18.08	20.10	32.00	3.0	0.069	SCMT 12 04 08
2.441						.157	.709	.712	.791	1.260			SCMT 432
69.0	09	3/8	D	0	R820D-AR18SSYC09A	4.75	18.00	19.90	24.10	35.50	3.0	0.069	SCMT 09 T3 08
2.717						.187	.709	.783	.949	1.398			SCMT 3(2.5)2
69.0	12	1/2	D	0	R820D-AR18SSYC12A	4.75	18.00	19.90	24.10	35.50	3.0	0.069	SCMT 12 04 08
2.717						.187	.709	.783	.949	1.398			SCMT 432
77.5	09	3/8	D	0	R820D-BR18SSYC09A	4.75	18.00	24.15	24.10	39.70	3.0	0.096	SCMT 09 T3 08
3.051						.187	.709	.951	.949	1.563			SCMT 3(2.5)2
77.5	12	1/2	D	0	R820D-BR18SSYC12A	4.75	18.00	24.15	24.10	39.70	3.0	0.096	SCMT 12 04 08
3.051						.187	.709	.951	.949	1.563			SCMT 432
86.0	12	1/2	E	0	R820E-AR22SSYC12A	5.50	22.00	25.22	28.90	43.70	3.0	0.148	SCMT 12 04 08
3.386						.217	.866	.993	1.138	1.720			SCMT 432
96.0	12	1/2	E	0	R820E-BR22SSYC12A	5.50	22.00	30.23	28.90	48.70	3.0	0.148	SCMT 12 04 08
3.780						.217	.866	1.190	1.138	1.917			SCMT 432
106.0	12	1/2	F	0	R820F-AR24SSYC12A	8.00	24.00	29.55	34.70	54.20	3.0	0.226	SCMT 12 04 08
4.173						.315	.945	1.163	1.366	2.134			SCMT 432
121.0	12	1/2	F	0	R820F-BR24SSYC12A	8.00	24.00	37.05	34.70	61.70	3.0	0.291	SCMT 12 04 08
4.764						.315	.945	1.459	1.366	2.429			SCMT 432
136.0	12	1/2	G	0	R820G-AR24SSYC12A	8.00	24.00	37.05	34.70	69.20	3.0	0.398	SCMT 12 04 08
5.354						.315	.945	1.459	1.366	2.724			SCMT 432
151.0	12	1/2	G	0	R820G-BR24SSYC12A	8.00	24.00	44.53	34.70	76.70	3.0	0.400	SCMT 12 04 08
5.945						.315	.945	1.753	1.366	3.020			SCMT 432
166.0	12	1/2	H	0	R820H-AR26SSYC12A	12.50	26.00	36.92	42.20	77.40	3.0	0.086	SCMT 12 04 08
6.535						.492	1.024	1.454	1.661	3.047			SCMT 432
189.0	12	1/2	H	0	R820H-BR26SSYC12A	12.50	26.00	48.43	42.20	88.90	3.0	0.545	SCMT 12 04 08
7.441						.492	1.024	1.907	1.661	3.500			SCMT 432
212.0	12	1/2	I	0	R820I-AR26SSYC12A	12.50	26.00	48.43	42.20	100.40	3.0	0.090	SCMT 12 04 08
8.346						.492	1.024	1.907	1.661	3.953			SCMT 432
235.0	12	1/2	I	0	R820I-BR26SSYC12A	12.50	26.00	59.93	42.20	111.90	3.0	0.800	SCMT 12 04 08
9.252						.492	1.024	2.359	1.661	4.406			SCMT 432



Q1

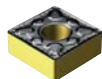
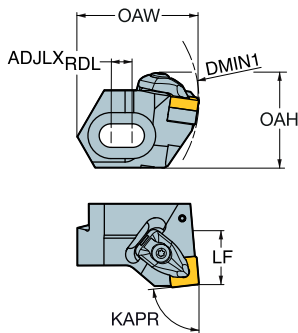


Q35



# Slide for CoroBore® 820

KAPR 84°



- SNMM
- SNMG
- SNMA, SNGA

					Dimensions, mm, inch								
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	LF	WF	OAH	OAW			MIID
106.0	12	1/2	F	0	R820F-AR24DSYN12A	8.00	24.00	29.55	42.30	54.20	3.9	0.262	SNMG 12 04 08
4.173						.315	.945	1.163	1.665	2.134			SNMG 432
121.0	12	1/2	F	0	R820F-BR24DSYN12A	8.00	24.00	37.05	42.30	61.70	3.9	0.399	SNMG 12 04 08
4.764						.315	.945	1.459	1.665	2.429			SNMG 432
136.0	12	1/2	G	0	R820G-AR24DSYN12A	8.00	24.00	37.05	42.10	69.20	3.9	0.398	SNMG 12 04 08
5.354						.315	.945	1.459	1.657	2.724			SNMG 432
151.0	12	1/2	G	0	R820G-BR24DSYN12A	8.00	24.00	44.53	42.10	76.70	3.9	0.399	SNMG 12 04 08
5.945						.315	.945	1.753	1.657	3.020			SNMG 432
166.0	15	5/8	H	0	R820H-AR36DSYN15A	12.50	36.00	49.95	60.00	85.00	6.4	1.000	SNMG 15 06 12
6.535						.492	1.417	1.967	2.362	3.346			SNMG 543
189.0	15	5/8	H	0	R820H-BR36DSYN15A	12.50	36.00	61.45	60.00	96.50	6.4	1.000	SNMG 15 06 12
7.441						.492	1.417	2.419	2.362	3.799			SNMG 543
212.0	15	5/8	I	0	R820I-AR36DSYN15A	12.50	36.00	61.45	59.50	108.00	6.4	1.000	SNMG 15 06 12
8.346						.492	1.417	2.419	2.343	4.252			SNMG 543
235.0	15	5/8	I	0	R820I-BR36DSYN15A	12.50	36.00	72.95	59.50	119.50	6.4	2.711	SNMG 15 06 12
9.252						.492	1.417	2.872	2.343	4.705			SNMG 543



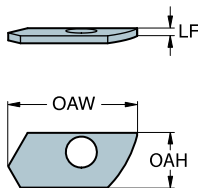
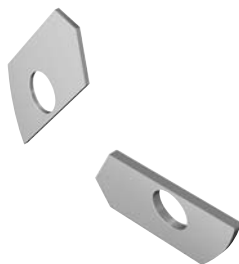
Q1




Q35



## Shim set for CoroBore® 820



CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	Dimensions, mm, inch			
				LF	OAH	OAW	 Kg
A	A	0	R820A-AS00A	1.00 .039	7.40 .291	17.50 .689	0.010
B	B	0	R820B-AS00A	1.00 .039	8.80 .346	21.20 .835	0.010
C	C	0	R820C-AS00A	1.00 .039	11.60 .457	27.50 1.083	0.010
D	D	0	R820D-AS00A	1.00 .039	15.60 .614	34.50 1.358	0.010
E	E	0	R820E-AS00A	1.60 .063	18.00 .709	42.80 1.685	0.020
F	F	0	R820F-AS00A	1.60 .063	21.80 .858	52.40 2.063	0.030
G	G	0	R820G-AS00A	1.60 .063	21.80 .858	65.90 2.594	0.040
H	H	0	R820H-AS00A	2.00 .079	32.80 1.291	82.50 3.248	0.060
I	I	0	R820I-AS00A	2.00 .079	32.80 1.291	103.40 4.071	0.080

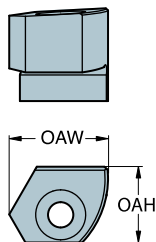
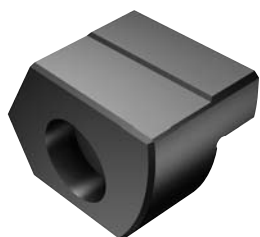



Q1



Q35

# Cover for CoroBore® 820



CZC <sub>MS</sub>	CNCS	Ordering code	Dimensions, mm, inch			
			OAH	OAW	 Kg	
M	A	0	R820A-AC10A	12.90 .508	16.80 .661	0.020
	B	0	R820B-AC11A	15.30 .602	16.79 .661	0.030
	C	0	R820C-AC15A	20.10 .791	20.25 .797	0.050
	D	0	R820D-AC17A	24.10 .949	90.60 3.567	0.090
	E	0	R820E-AC20A	24.10 .949	26.31 1.036	0.160
	F	0	R820F-AC22A	34.70 1.366	32.62 1.284	0.260
N	G	0	R820G-AC22A	34.70 1.366	49.66 1.955	0.350
	H	0	R820H-AC34A	50.20 1.976	63.16 2.487	0.910
	H	0	R820H-BC24A	42.20 1.661	77.52 3.052	0.550
	I	0	R820I-AC34A	50.20 1.976	69.90 2.752	1.210
	I	0	R820I-BC24A	42.20 1.661	98.22 3.867	0.730
	I	0	R820I-BC24A	42.20 1.661	98.22 3.867	0.730

Two covers are required



Q1

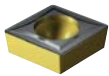


Q35

# Duobore™ rough boring tool

Coromant Capto® - Internal coolant supply

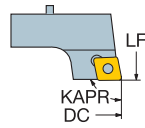
Up to 2 cutting edges



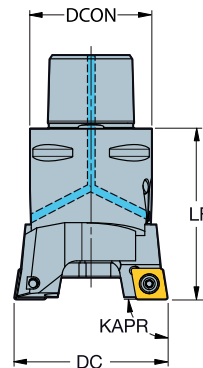
CCMT, CCGT  
CCGX, CCET

CCMW

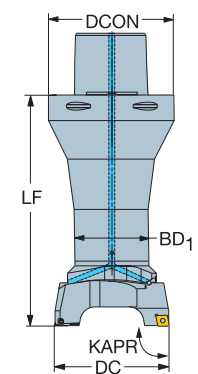
KAPR  
DSGN



90°  
1



90°  
2



										Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID		
25.0	32.0	06	1/4	C3	1	2	821-32CC06-C3	32.00	1.80	81.00	24.00	20	0.9	0.310	2	CCMT 06 02 04		
.984	1.260							1.260	3.189	.945	290					CCMT 2(1.5)1		
30.0	38.0	06	1/4	C3	1	2	821-38CC06-C3	32.00	2.00	97.00	29.00	20	0.9	0.460	2	CCMT 06 02 04		
1.181	1.496							1.260	3.819	1.142	290					CCMT 2(1.5)1		
46.0	56.0	12	1/2	C4	1	1	821-56CC12-C4	40.00		65.00		20	3.0	0.610	2	CCMT 12 04 08		
1.811	2.205							1.575	2.559	290						CCMT 432		
55.0	70.0	12	1/2	C5	1	1	821-70CC12-C5	50.00		70.00		20	3.0	0.890	2	CCMT 12 04 08		
2.165	2.756							1.969	2.756	290						CCMT 432		
69.0	84.0	12	1/2	C6	1	1	821-84CC12-C6	63.00		75.00		20	3.0	1.480	2	CCMT 12 04 08		
2.717	3.307							2.480	2.953	290						CCMT 432		
83.0	101.0	12	1/2	C6	1	1	821-101CC12-C6	63.00		75.00		20	3.0	1.600	2	CCMT 12 04 08		
3.268	3.976							2.480	2.953	290						CCMT 432		
99.0	125.0	12	1/2	C8	1	1	821-125CC12-C8	80.00		100.00		20	3.0	4.000	2	CCMT 12 04 08		
3.898	4.921							3.150	3.937	290						CCMT 432		
123.0	150.0	12	1/2	C8	1	1	821-150CC12-C8	80.00		100.00		20	3.0	4.300	2	CCMT 12 04 08		
4.843	5.906							3.150	3.937	290						CCMT 432		



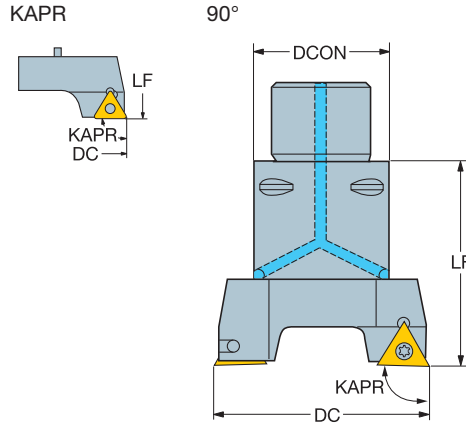
# Duobore™ rough boring tool

Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



M

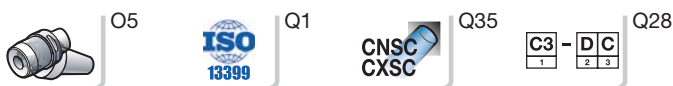
N

							Dimensions, mm, inch						
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	CP BarPSI			CICT	MIID
37.0 1.457	47.0 1.850	11	1/4	C3	1	821-47TC11-C3	32.00 1.260	50.00 1.969	20 290	0.9	0.270	2	TCMT 11 03 04 TCMT 221
46.0 1.811	56.0 2.205	16	3/8	C4	1	821-56TC16-C4	40.00 1.575	65.00 2.559	20 290	3.0	0.570	2	TCMT 16 T3 08 TCMT 3(2.5)2
55.0 2.165	70.0 2.756	16	3/8	C5	1	821-70TC16-C5	50.00 1.969	70.00 2.756	20 290	3.0	0.890	2	TCMT 16 T3 08 TCMT 3(2.5)2
69.0 2.717	84.0 3.307	16	3/8	C5	1	821-84TC16-C5	50.00 1.969	75.00 2.953	20 290	3.0	1.400	2	TCMT 16 T3 08 TCMT 3(2.5)2
69.0 2.717	84.0 3.307	16	3/8	C6	1	821-84TC16-C6	63.00 2.480	75.00 2.953	20 290	3.0	1.520	2	TCMT 16 T3 08 TCMT 3(2.5)2
83.0 3.268	101.0 3.976	16	3/8	C5	1	821-101TC16-C5	50.00 1.969	75.00 2.953	20 290	3.0	1.480	2	TCMT 16 T3 08 TCMT 3(2.5)2
83.0 3.268	101.0 3.976	22	1/2	C5	1	821-101TC22-C5	50.00 1.969	86.00 3.386	20 290	3.0	1.620	2	TCMT 22 04 08 TCMT 432
83.0 3.268	101.0 3.976	16	3/8	C6	1	821-101TC16-C6	63.00 2.480	75.00 2.953	20 290	3.0	1.600	2	TCMT 16 T3 08 TCMT 3(2.5)2
83.0 3.268	101.0 3.976	22	1/2	C6	1	821-101TC22-C6	63.00 2.480	86.00 3.386	20 290	3.0	1.740	2	TCMT 22 04 08 TCMT 432
99.0 3.898	125.0 4.921	16	3/8	C6	1	821-125TC16-C6	63.00 2.480	100.00 3.937	20 290	3.0	3.500	2	TCMT 16 T3 08 TCMT 3(2.5)2
99.0 3.898	125.0 4.921	22	1/2	C6	1	821-125TC22-C6	63.00 2.480	100.00 3.937	20 290	3.0	3.480	2	TCMT 22 04 08 TCMT 432
99.0 3.898	125.0 4.921	16	3/8	C8	1	821-125TC16-C8	80.00 3.150	100.00 3.937	20 290	3.0	4.000	2	TCMT 16 T3 08 TCMT 3(2.5)2
99.0 3.898	125.0 4.921	22	1/2	C8	1	821-125TC22-C8	80.00 3.150	100.00 3.937	20 290	3.0	3.980	2	TCMT 22 04 08 TCMT 432
123.0 4.843	150.0 5.906	16	3/8	C6	1	821-150TC16-C6	63.00 2.480	100.00 3.937	20 290	3.0	3.820	2	TCMT 16 T3 08 TCMT 3(2.5)2

O

P

Q



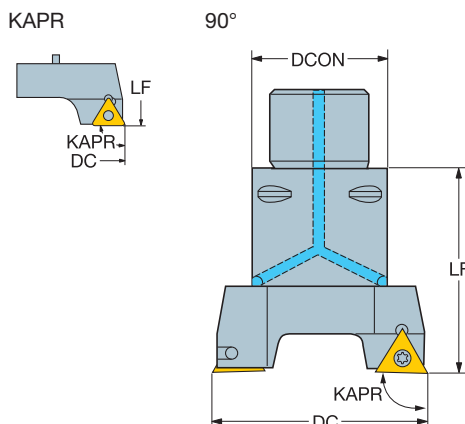
# Duobore™ rough boring tool

Coromant Capto® - Internal coolant supply

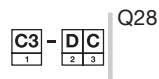
Up to 2 cutting edges



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



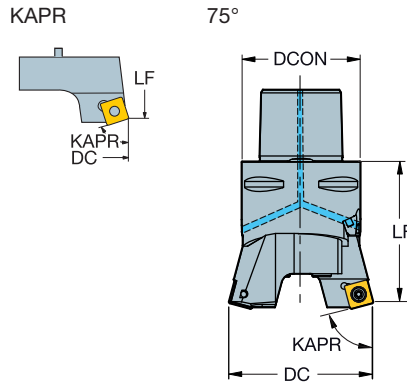
							Dimensions, mm, inch						
DCN	DCX			Ordering code	DCON	LF	CP BarPSI			CICT	MIID		
123.0	150.0	22	1/2	C6 1	821-150TC22-C6	63.00	100.00	20	3.0	3.840	2	TCMT 22 04 08	
4.843	5.906					2.480	3.937	290				TCMT 432	
123.0	150.0	16	3/8	C8 1	821-150TC16-C8	80.00	100.00	20	3.0	4.320	2	TCMT 16 T3 08	
4.843	5.906					3.150	3.937	290				TCMT 3(2.5)2	
123.0	150.0	22	1/2	C8 1	821-150TC22-C8	80.00	100.00	20	3.0	4.340	2	TCMT 22 04 08	
4.843	5.906					3.150	3.937	290				TCMT 432	



# Duobore™ rough boring tool

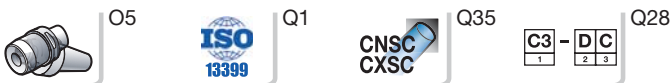
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



- SCMT, SCGX
- SCMW

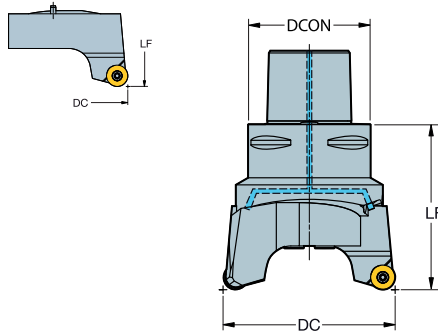
							Dimensions, mm, inch						
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	CP BarPSI			CICT	MIID
46.0	56.0	09	3/8	C4	1	821-56SC09-C4	40.00	65.00	20	3.0	0.570	2	SCMT 09 T3 08 <i>SCMT 3(2.5)2</i>
<i>1.811</i>	<i>2.205</i>						<i>1.575</i>	<i>2.559</i>	<i>290</i>				
55.0	70.0	09	3/8	C5	1	821-70SC09-C5	50.00	70.00	20	3.0	0.890	2	SCMT 09 T3 08 <i>SCMT 3(2.5)2</i>
<i>2.165</i>	<i>2.756</i>						<i>1.969</i>	<i>2.756</i>	<i>290</i>				
69.0	84.0	12	1/2	C5	1	821-84SC12-C5	50.00	75.00	20	3.0	1.400	2	SCMT 12 04 08 <i>SCMT 432</i>
<i>2.717</i>	<i>3.307</i>						<i>1.969</i>	<i>2.953</i>	<i>290</i>				
69.0	84.0	12	1/2	C6	1	821-84SC12-C6	63.00	75.00	20	3.0	1.520	2	SCMT 12 04 08 <i>SCMT 432</i>
<i>2.717</i>	<i>3.307</i>						<i>2.480</i>	<i>2.953</i>	<i>290</i>				
83.0	101.0	12	1/2	C5	1	821-101SC12-C5	50.00	86.00	20	3.0	1.620	2	SCMT 12 04 08 <i>SCMT 432</i>
<i>3.268</i>	<i>3.976</i>						<i>1.969</i>	<i>3.386</i>	<i>290</i>				
83.0	101.0	12	1/2	C6	1	821-101SC12-C6	63.00	86.00	20	3.0	1.740	2	SCMT 12 04 08 <i>SCMT 432</i>
<i>3.268</i>	<i>3.976</i>						<i>2.480</i>	<i>3.386</i>	<i>290</i>				
99.0	125.0	12	1/2	C6	1	821-125SC12-C6	63.00	100.00	20	3.0	3.480	2	SCMT 12 04 08 <i>SCMT 432</i>
<i>3.898</i>	<i>4.921</i>						<i>2.480</i>	<i>3.937</i>	<i>290</i>				
99.0	125.0	12	1/2	C8	1	821-125SC12-C8	80.00	100.00	20	3.0	3.980	2	SCMT 12 04 08 <i>SCMT 432</i>
<i>3.898</i>	<i>4.921</i>						<i>3.150</i>	<i>3.937</i>	<i>290</i>				
123.0	150.0	12	1/2	C6	1	821-150SC12-C6	63.00	100.00	20	3.0	3.820	2	SCMT 12 04 08 <i>SCMT 432</i>
<i>4.843</i>	<i>5.906</i>						<i>2.480</i>	<i>3.937</i>	<i>290</i>				
123.0	150.0	12	1/2	C8	1	821-150SC12-C8	80.00	100.00	20	3.0	4.320	2	SCMT 12 04 08 <i>SCMT 432</i>
<i>4.843</i>	<i>5.906</i>						<i>3.150</i>	<i>3.937</i>	<i>290</i>				



# Duobore™ rough boring tool

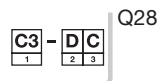
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



RCMT  
RCGX-AL

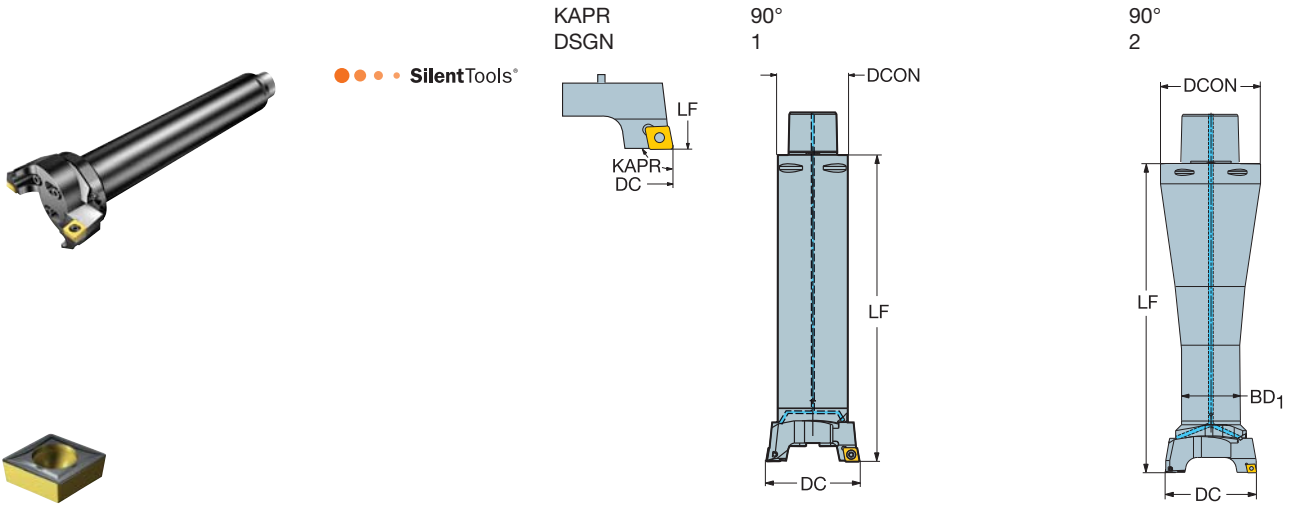
							Dimensions, mm, inch							
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	CP BarPSI			CICT	MIID	
99.0	125.0	16	.630	C8	1	821-125RC16-C8	80.00	108.00	20	3.0	4.120	2	RCMT 16 06 M0	
<i>3.898</i>	<i>4.921</i>						<i>3.150</i>	<i>4.252</i>	<i>290</i>				<i>RCMT 16 06 M0</i>	
123.0	150.0	16	.630	C8	1	821-150RC16-C8	80.00	108.00	20	3.0	4.360	2	RCMT 16 06 M0	
<i>4.843</i>	<i>5.906</i>						<i>3.150</i>	<i>4.252</i>	<i>290</i>				<i>RCMT 16 06 M0</i>	







# Duobore™ dampened rough boring tool

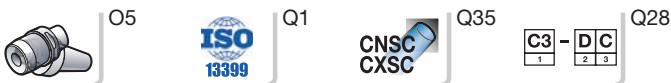
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



- CCMT, CCGT  
CCGX, CCET
- CCMW

										Dimensions, mm, inch							
DCN	DCX			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID	
25.0	32.0	06	1/4	C3	1	2	821D-32CC06-C3	32.00	6.00	213.00	22.00	70	0.9	0.720	2	CCMT 06 02 04	
<i>.984</i>	<i>1.260</i>							<i>1.260</i>		<i>8.386</i>	<i>.866</i>	<i>1015</i>				<i>CCMT 2(1.5)1</i>	
30.0	38.0	06	1/4	C3	1	2	821D-38CC06-C3	32.00	6.00	224.00	26.00	70	0.9	1.040	2	CCMT 06 02 04	
<i>1.181</i>	<i>1.496</i>							<i>1.260</i>		<i>8.819</i>	<i>1.024</i>	<i>1015</i>				<i>CCMT 2(1.5)1</i>	
69.0	84.0	12	1/2	C6	1	1	821D-84CC12-C6	63.00		397.00	63.00	70	3.0	9.920	2	CCMT 12 04 08	
<i>2.717</i>	<i>3.307</i>							<i>2.480</i>		<i>15.630</i>	<i>2.480</i>	<i>1015</i>				<i>CCMT 432</i>	
83.0	101.0	12	1/2	C6	1	1	821D-101CC12-C6	63.00		408.00	63.00	70	3.0	10.040	2	CCMT 12 04 08	
<i>3.268</i>	<i>3.976</i>							<i>2.480</i>		<i>16.063</i>	<i>2.480</i>	<i>1015</i>				<i>CCMT 432</i>	
99.0	125.0	12	1/2	C8	1	1	821D-125CC12-C8	80.00		420.00	96.00	70	3.0	15.000	2	CCMT 12 04 08	
<i>3.898</i>	<i>4.921</i>							<i>3.150</i>		<i>16.535</i>	<i>3.780</i>	<i>1015</i>				<i>CCMT 432</i>	
123.0	150.0	12	1/2	C8	1	1	821D-150CC12-C8	80.00		420.00	96.00	70	3.0	15.300	2	CCMT 12 04 08	
<i>4.843</i>	<i>5.906</i>							<i>3.150</i>		<i>16.535</i>	<i>3.780</i>	<i>1015</i>				<i>CCMT 432</i>	





# Duobore™ dampened rough boring tool

Coromant Capto® - Internal coolant supply

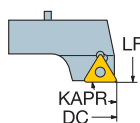
Up to 2 cutting edges

●●● SilentTools®

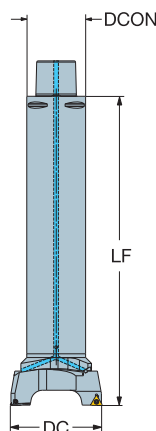


- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

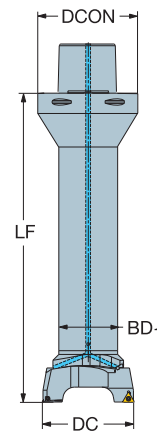
KAPR  
DSGN



90°  
1



90°  
2



										Dimensions, mm, inch							
DCN	DCX			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID	
37.0	47.0	11	1/4	C4	1	2	821D-47TC11-C4	40.00	6.00	278.00	32.00	70	0.9	1.960	2	TCMT 11 03 04	
1.457	1.850							1.575	10.945	1.260	1015					TCMT 221	
46.0	56.0	16	3/8	C5	1	2	821D-56TC16-C5	50.00	6.00	332.00	40.00	70	3.0	3.176	2	TCMT 16 T3 08	
1.811	2.205							1.969	13.071	1.575	1015					TCMT 3(2.5)2	
55.0	70.0	16	3/8	C5	1	1	821D-70TC16-C5	50.00	306.00	50.00	70	3.0	4.460	2	TCMT 16 T3 08		
2.165	2.756							1.969	12.047	1.969	1015					TCMT 3(2.5)2	
69.0	84.0	16	3/8	C6	1	1	821D-84TC16-C6	63.00	397.00	63.00	70	3.0	9.600	2	TCMT 16 T3 08		
2.717	3.307							2.480	15.630	2.480	1015					TCMT 3(2.5)2	
83.0	101.0	16	3/8	C6	1	1	821D-101TC16-C6	63.00	397.00	63.00	70	3.0	9.700	2	TCMT 16 T3 08		
3.268	3.976							2.480	15.630	2.480	1015					TCMT 3(2.5)2	
83.0	101.0	22	1/2	C6	1	1	821D-101TC22-C6	63.00	408.00	63.00	70	3.8	9.920	2	TCMT 22 04 08		
3.268	3.976							2.480	16.063	2.480	1015					TCMT 432	
99.0	125.0	16	3/8	C6	1	1	821D-125TC16-C6	63.00	400.00	96.00	70	3.0	10.980	2	TCMT 16 T3 08		
3.898	4.921							2.480	15.748	3.780	1015					TCMT 3(2.5)2	
99.0	125.0	22	1/2	C6	1	1	821D-125TC22-C6	63.00	400.00	96.00	70	3.8	11.360	2	TCMT 22 04 08		
3.898	4.921							2.480	15.748	3.780	1015					TCMT 432	
99.0	125.0	16	3/8	C8	1	1	821D-125TC16-C8	80.00	420.00	96.00	70	3.0	15.380	2	TCMT 16 T3 08		
3.898	4.921							3.150	16.535	3.780	1015					TCMT 3(2.5)2	
99.0	125.0	22	1/2	C8	1	1	821D-125TC22-C8	80.00	420.00	96.00	70	3.0	15.760	2	TCMT 22 04 08		
3.898	4.921							3.150	16.535	3.780	1015					TCMT 432	
123.0	150.0	16	3/8	C6	1	1	821D-150TC16-C6	63.00	400.00	96.00	70	3.0	11.140	2	TCMT 16 T3 08		
4.843	5.906							2.480	15.748	3.780	1015					TCMT 3(2.5)2	
123.0	150.0	22	1/2	C6	1	1	821D-150TC22-C6	63.00	400.00	96.00	70	3.8	11.640	2	TCMT 22 04 08		
4.843	5.906							2.480	15.748	3.780	1015					TCMT 432	
123.0	150.0	16	3/8	C8	1	1	821D-150TC16-C8	80.00	420.00	96.00	70	3.0	15.540	2	TCMT 16 T3 08		
4.843	5.906							3.150	16.535	3.780	1015					TCMT 3(2.5)2	
123.0	150.0	22	1/2	C8	1	1	821D-150TC22-C8	80.00	420.00	96.00	70	3.0	16.040	2	TCMT 22 04 08		
4.843	5.906							3.150	16.535	3.780	1015					TCMT 432	



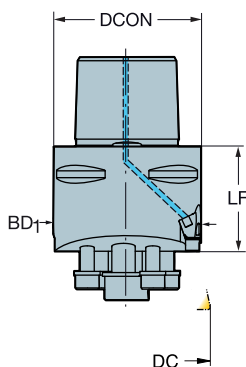
Q28



# Coromant Capto® to Duobore™ tool body

Internal coolant supply

DSGN 1



							Dimensions, mm, inch								
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	DSGN	Ordering code	DCON	LF	LF <sub>1</sub>	LF <sub>2</sub>	WF	BD <sub>1</sub>	CP BarPSI	Nm	Kg
25.0	32.0	C3	1	1	1	C3-391.68A-1-021068B	32.00	68.00			1.50	21.00	20	4.8	0.290
.984	1.260						1.260	2.677			.059	.827	290		
30.0	38.0	C3	2	1	1	C3-391.68A-2-026084B	32.00	84.00			2.50	26.00	20	4.8	0.420
1.181	1.496						1.260	3.307			.098	1.024	290		
37.0	47.0	C3	3	1	1	C3-391.68A-3-032034B	32.00	34.00			5.00	32.00	20	4.8	0.210
1.457	1.850						1.260	1.339			.197	1.260	290		
46.0	56.0	C4	4	1	1	C4-391.68A-4-040041B	40.00	41.00			3.50	40.00	20	9.0	0.430
1.811	2.205						1.575	1.614			.138	1.575	290		
55.0	70.0	C5	5	1	1	C5-391.68A-5-050044B	50.00	44.00			10.00	50.00	20	16.0	0.650
2.165	2.756						1.969	1.732			.394	1.969	290		
69.0	101.0	C5	6	1	1	C5-391.68A-6-063045C	50.00		45.00	45.00		63.00	20	16.0	0.940
2.717	3.976						1.969		1.772	1.772		2.480	290		
69.0	101.0	C6	6	1	1	C6-391.68A-6-063045C	63.00		45.00	45.00		63.00	20	16.0	1.060
2.717	3.976						2.480		1.772	1.772		2.480	290		
99.0	150.0	C6	7	1	1	C6-391.68A-7-096 060	63.00		60.00	60.00		96.00	20	38.0	2.500
3.898	5.906						2.480		2.362	2.362		3.780	290		
99.0	150.0	C8	7	1	1	C8-391.68A-7-080060D	80.00		60.00	60.00		96.00	20	38.0	3.000
3.898	5.906						3.150		2.362	2.362		3.780	290		



Q1



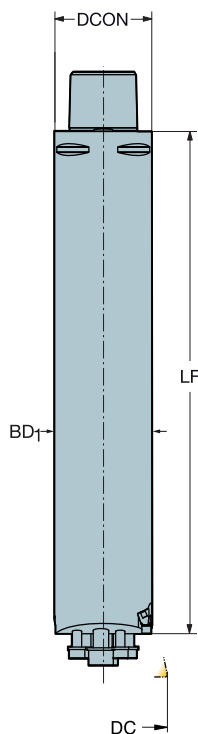
Q35

# Coromant Capto® to Duobore™ dampened tool body

Internal coolant supply

Dampened adaptor

●●● SilentTools®



					Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF	WF	BD <sub>1</sub>	CP Bar/PSI	Nm	Kg
25.0	32.0	C3	1	1	C3-391.69A-1-022200A	32.00	200.00	1.50	22.00	70	4.8	0.750
.984	1.260					1.260	7.874	.059	.866	1015		
30.0	38.0	C3	2	1	C3-391.69A-2-026211A	32.00	211.00	2.50	26.00	70	4.8	1.100
1.181	1.496					1.260	8.307	.098	1.024	1015		
37.0	47.0	C4	3	1	C4-391.69A-3-032262A	40.00	262.00	5.00	32.00	70	4.8	1.660
1.457	1.850					1.575	10.315	.197	1.260	1015		
46.0	56.0	C5	4	1	C5-391.69A-4-040308A	50.00	308.00	3.50	40.00	70	9.0	3.300
1.811	2.205					1.969	12.126	.138	1.575	1015		
55.0	70.0	C5	5	1	C5-391.69A-5-050280A	50.00	280.00	10.00	50.00	70	16.0	3.800
2.165	2.756					1.969	11.024	.394	1.969	1015		
69.0	101.0	C6	6	1	C6-391.69A-6-063367A	63.00	367.00	17.00	63.00	70	16.0	9.500
2.717	3.976					2.480	14.449	.669	2.480	1015		
99.0	150.0	C6	7	4	C6-391.69A-7-063 360	63.00	360.00	25.00	63.00	70	38.0	10.300
3.898	5.906					2.480	14.173	.984	2.480	1015		
99.0	150.0	C8	7	1	C8-391.69A-7-080 380 A	80.00	380.00	25.00	80.00	70	38.0	14.000
3.898	5.906					3.150	14.961	.984	3.150	1015		



Q1

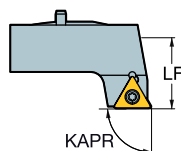
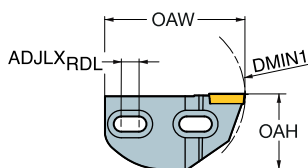
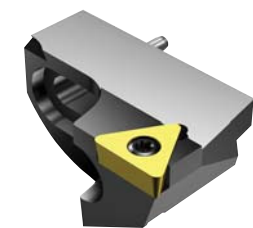


Q35



# Slide for Duobore™

KAPR 90°



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

					Dimensions, mm, inch									
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	LF	WF	OAH	OAW			MIID	
37.0	11	1/4	3	0	391.68A-3-04716T11B	5.00	16.00	13.50	16.70	32.10	0.9	0.048	TCMT 11 02 08	
1.457						.197	.630	.531	.657	1.264			TCMT 2(1.5)2	
37.0	11	1/4	3	0	391.68F-3-04716TC11B	5.00	16.00	13.50	16.70	32.10	0.9	0.030	TCMT 11 03 08	
1.457						.197	.630	.531	.657	1.264			TCMT 222	
46.0	16	3/8	4	0	391.68A-4-05624T16B	5.00	24.00	19.50	20.70	41.00	3.0	0.181	TCMT 16 T3 08	
1.811						.197	.945	.768	.815	1.614			TCMT 3(2.5)2	
55.0	16	3/8	5	0	391.68A-5-07026T16B	7.50	26.00	17.50	25.70	49.50	3.0	0.174	TCMT 16 T3 08	
2.165						.295	1.024	.689	1.012	1.949			TCMT 3(2.5)2	
69.0	16	3/8	6	0	391.68A-6-08430T16B	7.50	30.00	17.50	32.20	59.00	3.0	0.250	TCMT 16 T3 08	
2.717						.295	1.181	.689	1.268	2.358			TCMT 3(2.5)2	
83.0	16	3/8	6	0	391.68A-6-10130T16B	9.00	30.00	24.00	32.20	69.00	3.0	0.299	TCMT 16 T3 08	
3.268						.354	1.181	.945	1.268	2.717			TCMT 3(2.5)2	
83.0	22	1/2	6	0	391.68A-6-10141T22B	9.00	30.00	24.00	32.20	69.00	3.0	0.418	TCMT 22 04 08	
3.268						.354	1.181	.945	1.268	2.717			TCMT 432	
99.0	16	3/8	7	0	391.68A-7-12540T16B	13.00	40.00	24.50	40.70	89.50	3.0	0.181	TCMT 16 T3 08	
3.898						.512	1.575	.965	1.602	3.524			TCMT 3(2.5)2	
99.0	22	1/2	7	0	391.68A-7-12540T22B	13.00	40.00	24.50	40.70	89.50	3.0	0.680	TCMT 22 04 08	
3.898						.512	1.575	.965	1.602	3.524			TCMT 432	
123.0	16	3/8	7	0	391.68A-7-15040T16B	13.50	40.00	36.50	40.70	101.50	3.0	0.600	TCMT 16 T3 08	
4.843						.531	1.575	1.437	1.602	3.996			TCMT 3(2.5)2	
123.0	22	1/2	7	0	391.68A-7-15040T22B	13.50	40.00	36.50	40.70	101.50	3.0	1.006	TCMT 22 04 08	
4.843						.531	1.575	1.437	1.602	3.996			TCMT 432	



Q1

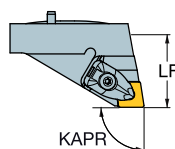
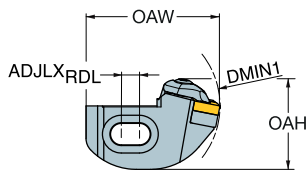
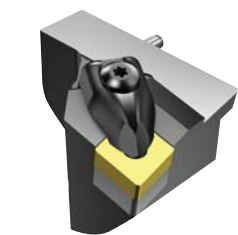


Q35

# Slide for Duobore™

KAPR

90°



- CNMM, CNGP
- CNMG
- CNMA, CNGA

								Dimensions, mm, inch					
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	LF	WF	OAH	OAW			MIID
69.0	12	1/2	6	0	391.68F-6-08436C12B	7.50	36.00	33.00	45.41	59.50	3.9	0.610	CNMG 12 04 08
2.717						.295	1.417	1.299	1.788	2.343			CNMG 432
83.0	12	1/2	6	0	391.68F-6-10136C12B	9.00	36.00	40.00	45.10	59.50	3.9	0.400	CNMG 12 04 08
3.268						.354	1.417	1.575	1.776	2.343			CNMG 432
99.0	12	1/2	7	0	391.68F-7-12540C12B	13.00	40.00	39.50	61.22	86.00	3.9	0.660	CNMG 12 04 08
3.898						.512	1.575	1.555	2.410	3.386			CNMG 432
99.0	16	5/8	7	0	391.68F-7-12540C16B	13.00	40.00	39.50	64.98	86.00	6.4	0.210	CNMG 16 06 08
3.898						.512	1.575	1.555	2.558	3.386			CNMG 542
123.0	12	1/2	7	0	391.68F-7-15040C12B	13.50	40.00	51.50	60.87	98.00	3.9	1.002	CNMG 12 04 08
4.843						.531	1.575	2.028	2.396	3.858			CNMG 432
123.0	16	5/8	7	0	391.68F-7-15040C16B	13.50	40.00	51.50	64.56	98.00	6.4	1.006	CNMG 16 06 08
4.843						.531	1.575	2.028	2.542	3.858			CNMG 542



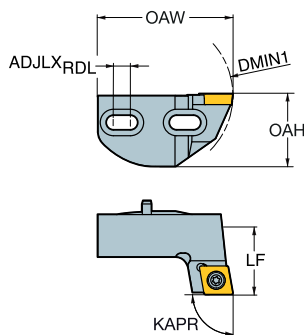
Q1



Q35

# Slide for Duobore™

KAPR 90°



- CCMT, CCGT  
CCGX, CCET
- CCMW

M

					Dimensions, mm, inch								
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	LF	WF	OAH	OAW			MIID
46.0	12	1/2	4	0	391.68F-4-056 24 CC12	5.00	24.00	19.50	21.10	41.00	3.0	0.090	CCMT 12 04 08
1.811						.197	.945	.768	.831	1.614			CCMT 432
55.0	12	1/2	5	0	391.68F-5-070 26 CC12	7.50	26.00	17.50	25.90	49.50	3.0	0.120	CCMT 12 04 08
2.165						.295	1.024	.689	1.020	1.949			CCMT 432
69.0	12	1/2	6	0	391.68F-6-084 30 CC12	7.50	30.00	17.50	32.20	59.90	3.0	0.210	CCMT 12 04 08
2.717						.295	1.181	.689	1.268	2.358			CCMT 432
83.0	12	1/2	6	0	391.68F-6-101 30 CC12	9.00	30.00	24.00	32.20	69.00	3.0	0.270	CCMT 12 04 08
3.268						.354	1.181	.945	1.268	2.717			CCMT 432
99.0	12	1/2	7	0	391.68F-7-125 40 CC12	13.00	40.00	24.50	40.70	89.50	3.0	0.500	CCMT 12 04 08
3.898						.512	1.575	.965	1.602	3.524			CCMT 432
123.0	12	1/2	7	0	391.68F-7-150 40 CC12	13.50	40.00	36.50	40.70	101.50	3.0	0.650	CCMT 12 04 08
4.843						.531	1.575	1.437	1.602	3.996			CCMT 432

N

O

P

Q



Q1

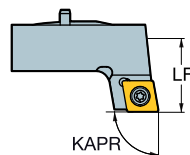
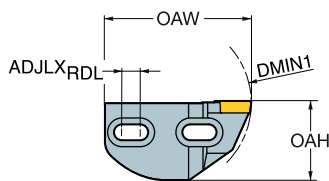
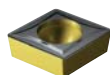
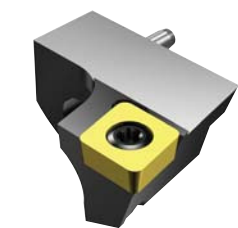


Q35

# Slide for Duobore™

KAPR

90°



- CCMT, CCGT  
CCGX, CCET
- CCMW

		Dimensions, mm, inch											
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLX <sub>RDL</sub>	LF	WF	OAH	OAW			MIID
25.0	06	1/4	1	0	391.68A-1-03213C06B	3.50	13.00	11.00	11.20	20.50	0.9	0.010	CCMT 06 02 08
.984						.138	.512	.433	.441	.807			CCMT 2(1.5)2
25.0	06	1/4	1	0	391.68B-1-03213C06B	3.50	13.00	11.00	11.20	20.50	0.9	0.010	CCMT 06 02 08
.984						.138	.512	.433	.441	.807			CCMT 2(1.5)2
30.0	06	1/4	2	0	391.68A-2-03813C06B	4.00	13.00	12.50	13.70	26.00	0.9	0.020	CCMT 06 02 08
1.181						.157	.512	.492	.539	1.024			CCMT 2(1.5)2
30.0	06	1/4	2	0	391.68B-2-03813C06B	4.00	13.00	12.50	13.70	26.00	0.9	0.020	CCMT 06 02 08
1.181						.157	.512	.492	.539	1.024			CCMT 2(1.5)2
37.0	06	1/4	3	0	391.68B-3-04716C06B	5.00	16.00	13.50	16.70	32.10	0.9	0.030	CCMT 06 02 08
1.457						.197	.630	.531	.657	1.264			CCMT 2(1.5)2



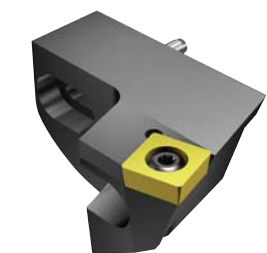
Q1



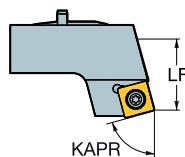
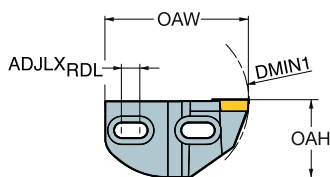
Q35

# Slide for Duobore™

KAPR 75°



SCMT, SCGX  
 SCMW



Dimensions, mm, inch



DMIN <sub>1</sub>	IC	CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	LF	WF	OAH	OAW			MIID	
46.0	09	3/8	4	0	391.68B-4-05624S09B	5.00	24.00	19.50	20.70	41.00	3.0	0.080	SCMT 09 T3 08
1.811						.197	.945	.768	.815	1.614			SCMT 3(2.5)2
55.0	09	3/8	5	0	391.68B-5-07026S09B	7.50	26.00	17.50	25.70	49.50	3.0	0.174	SCMT 09 T3 08
2.165						.295	1.024	.689	1.012	1.949			SCMT 3(2.5)2
69.0	12	1/2	6	0	391.68B-6-08430S12B	7.50	30.00	17.50	32.20	59.90	3.0	0.400	SCMT 12 04 08
2.717						.295	1.181	.689	1.268	2.358			SCMT 432
83.0	12	1/2	6	0	391.68B-6-10141S12B	9.00	41.00	24.00	32.20	69.00	3.0	0.419	SCMT 12 04 08
3.268						.354	1.614	.945	1.268	2.717			SCMT 432
99.0	12	1/2	7	0	391.68B-7-12540S12B	13.00	40.00	24.50	40.70	89.50	3.0	0.680	SCMT 12 04 08
3.898						.512	1.575	.965	1.602	3.524			SCMT 432
123.0	12	1/2	7	0	391.68B-7-15040S12B	13.50	40.00	36.50	40.70	101.50	3.0	1.010	SCMT 12 04 08
4.843						.531	1.575	1.437	1.602	3.996			SCMT 432



Q1



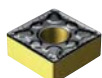
Q35



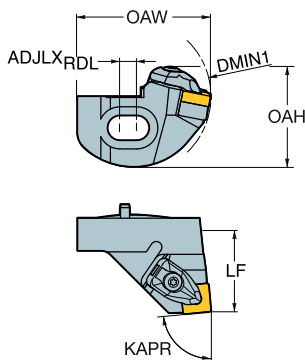
# Slide for Duobore™

KAPR

84°



- SNMM
- SNMG
- SNMA, SNGA



						Dimensions, mm, inch							
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLXRDL	LF	WF	OAH	OAW			MIID
69.0	12	1/2	6	0	391.68D-6-08436S12B	7.50	36.00	34.50	45.05	59.50	3.9	0.300	SNMG 12 04 08
						<i>.295</i>	<i>1.417</i>	<i>1.358</i>	<i>1.774</i>	<i>2.343</i>			SNMG 432
83.0	12	1/2	6	0	391.68D-6-10136S12B	9.00	36.00	41.50	44.75	66.50	3.9	0.400	SNMG 12 04 08
						<i>.354</i>	<i>1.417</i>	<i>1.634</i>	<i>1.762</i>	<i>2.618</i>			SNMG 432
99.0	12	1/2	7	0	391.68D-7-12540S12B	13.00	40.00	39.75	60.95	86.00	3.9	0.485	SNMG 12 04 08
						<i>.512</i>	<i>1.575</i>	<i>1.565</i>	<i>2.400</i>	<i>3.386</i>			SNMG 432
99.0	15	5/8	7	0	391.68D-7-12544S15B	13.00	44.00	39.78	64.56	86.00	6.4	0.660	SNMG 15 06 08
						<i>.512</i>	<i>1.732</i>	<i>1.566</i>	<i>2.542</i>	<i>3.386</i>			SNMG 542
123.0	12	1/2	7	0	391.68D-7-15040S12B	13.50	40.00	51.50	60.65	98.00	3.9	0.450	SNMG 12 04 08
						<i>.531</i>	<i>1.575</i>	<i>2.028</i>	<i>2.388</i>	<i>3.858</i>			SNMG 432
123.0	15	5/8	7	0	391.68D-7-15044S15B	13.50	44.00	51.56	64.28	98.00	6.4	1.010	SNMG 15 06 08
						<i>.531</i>	<i>1.732</i>	<i>2.030</i>	<i>2.531</i>	<i>3.858</i>			SNMG 542

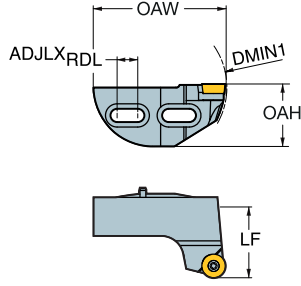


Q1







Q35

# Slide for Duobore™



 RCMT  
RCGX-AL

## M

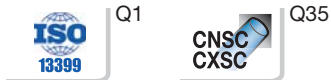
					Dimensions, mm, inch								
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	ADJLX <sub>RDL</sub>	LF	WF	OAH	OAW			MIID
99.0	16	.630	7	0	<b>391.68S-7-125 48 RC16</b>	13.00	48.00	24.50	42.20	89.50	6.4	0.560	RCMT 16 06 M0
<i>3.898</i>						<i>.512</i>	<i>1.890</i>	<i>.965</i>	<i>1.661</i>	<i>3.524</i>			<i>RCMT 16 06 M0</i>
123.0	16	.630	7	0	<b>391.68S-7-150 48 RC16</b>	13.50	48.00	36.50	42.20	101.50	6.4	0.680	RCMT 16 06 M0
<i>4.843</i>						<i>.531</i>	<i>1.890</i>	<i>1.437</i>	<i>1.661</i>	<i>3.996</i>			<i>RCMT 16 06 M0</i>

## N

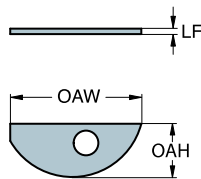
## O


## P

## Q



# Shim for Duobore™



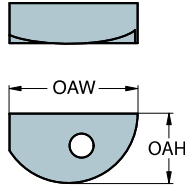
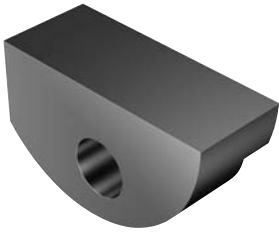
				Dimensions, mm, inch			
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	LF	OAH	OAW	
1	1	0	5549 125-01	0.50 .020	7.10 .280	18.74 .738	0.001
2	2	0	5549 125-02	0.50 .020	9.70 .382	23.88 .940	0.001
3	3	0	5549 125-03	0.50 .020	12.30 .484	30.27 1.192	0.001
4	4	0	5549 125-04	0.50 .020	16.30 .642	38.76 1.526	0.001
5	5	0	5549 125-05	1.00 .039	20.20 .795	48.34 1.903	0.005
6	6	0	5549 125-06A	1.00 .039	25.90 1.020	61.30 2.413	0.008
7	7	0	5549 125-08	1.00 .039	41.40 1.630	81.55 3.211	0.019




Q1

J  
K  
L  
M  
N  
O  
P  
Q

# Cover for Duobore™



		Dimensions, mm, inch			
CZC <sub>MS</sub>	CNSC	Ordering code	OAH	OAW	
1	0	5623 010-01	10.50 .413	18.50 .728	0.024
2	0	5623 010-02	13.00 .512	24.00 .945	0.024
3	0	5623 010-03A	16.00 .630	29.60 1.165	0.041
4	0	5623 010-04	20.00 .787	38.00 1.496	0.076
5	0	5623 010-05A	25.00 .984	47.00 1.850	0.115
6	0	5623 010-06B	31.50 1.240	56.90 2.240	0.161
7	0	5623 010-07A	40.00 1.575	80.00 3.150	0.293



Q1

# CoroBore® 820 XL rough boring tool

Coromant Capto® - Internal coolant supply

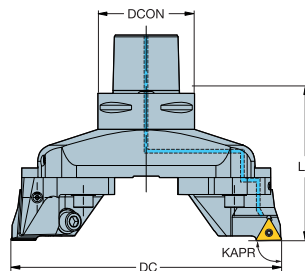
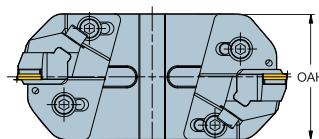
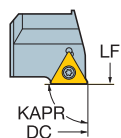
Up to 2 cutting edges



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

KAPR

90°



							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCN	ADJL <sub>AXL</sub>	LF	OAH	CP BarPsi			CICT	MIID
148.0	200.0	22	1/2	C8	1	820-200TC22-C8	80.00	1.50	122.00	104.00	70	3.0	6.950	2	TCMT 22 04 08
5.827	7.874						3.150	.059	4.803	4.094	1015				TCMT 432
148.0	200.0	22	1/2	C10	1	820-200TC22-C10	100.00	1.50	128.00	104.00	70	3.0	8.860	2	TCMT 22 04 08
5.827	7.874						3.937	.059	5.039	4.094	1015				TCMT 432
198.0	250.0	22	1/2	C8	1	820-250TC22-C8	80.00	1.50	122.00	104.00	70	3.0	8.180	2	TCMT 22 04 08
7.795	9.843						3.150	.059	4.803	4.094	1015				TCMT 432
198.0	250.0	22	1/2	C10	1	820-250TC22-C10	100.00	1.50	128.00	104.00	70	3.0	10.120	2	TCMT 22 04 08
7.795	9.843						3.937	.059	5.039	4.094	1015				TCMT 432
248.0	300.0	22	1/2	C8	1	820-300TC22-C8	80.00	1.50	122.00	104.00	70	3.0	9.380	2	TCMT 22 04 08
9.764	11.811						3.150	.059	4.803	4.094	1015				TCMT 432
248.0	300.0	22	1/2	C10	1	820-300TC22-C10	100.00	1.50	128.00	104.00	70	3.0	11.430	2	TCMT 22 04 08
9.764	11.811						3.937	.059	5.039	4.094	1015				TCMT 432



O5



Q1



Q35



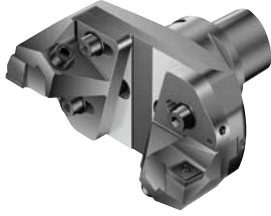
Q28



# CoroBore® 820 XL rough boring tool

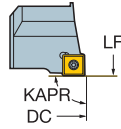
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges

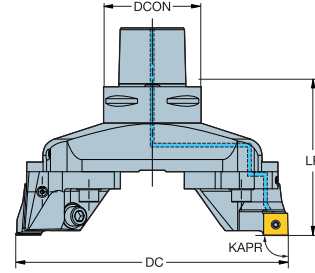
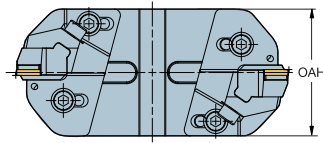


880-..P-..

KAPR



90°



M

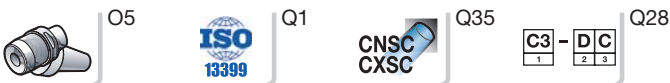
N

							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPsi			CICT	MIID
148.0	200.0	09P	09P	C8	1	820-200SP18-C8	80.00	1.50	122.00	104.00	70	3.0	7.030	2	880-0906W08H-P-GM
<i>5.827</i>	<i>7.874</i>						<i>3.150</i>	<i>.059</i>	<i>4.803</i>	<i>4.094</i>	<i>1015</i>				<i>880-0906W08H-P-GM</i>
148.0	200.0	09P	09P	C10	1	820-200SP18-C10	100.00	1.50	128.00	104.00	70	3.0	8.940	2	880-0906W08H-P-GM
<i>5.827</i>	<i>7.874</i>						<i>3.937</i>	<i>.059</i>	<i>5.039</i>	<i>4.094</i>	<i>1015</i>				<i>880-0906W08H-P-GM</i>
198.0	250.0	09P	09P	C8	1	820-250SP18-C8	80.00	1.50	122.00	104.00	70	3.0	8.260	2	880-0906W08H-P-GM
<i>7.795</i>	<i>9.843</i>						<i>3.150</i>	<i>.059</i>	<i>4.803</i>	<i>4.094</i>	<i>1015</i>				<i>880-0906W08H-P-GM</i>
198.0	250.0	09P	09P	C10	1	820-250SP18-C10	100.00	1.50	128.00	104.00	70	3.0	10.200	2	880-0906W08H-P-GM
<i>7.795</i>	<i>9.843</i>						<i>3.937</i>	<i>.059</i>	<i>5.039</i>	<i>4.094</i>	<i>1015</i>				<i>880-0906W08H-P-GM</i>
248.0	300.0	09P	09P	C8	1	820-300SP18-C8	80.00	1.50	122.00	104.00	70	3.0	9.460	2	880-0906W08H-P-GM
<i>9.764</i>	<i>11.811</i>						<i>3.150</i>	<i>.059</i>	<i>4.803</i>	<i>4.094</i>	<i>1015</i>				<i>880-0906W08H-P-GM</i>
248.0	300.0	09P	09P	C10	1	820-300SP18-C10	100.00	1.50	128.00	104.00	70	3.0	11.510	2	880-0906W08H-P-GM
<i>9.764</i>	<i>11.811</i>						<i>3.937</i>	<i>.059</i>	<i>5.039</i>	<i>4.094</i>	<i>1015</i>				<i>880-0906W08H-P-GM</i>

O

P

Q



# CoroBore® 820 XL rough boring tool

Coromant Capto® - Internal coolant supply

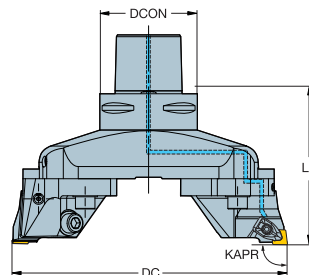
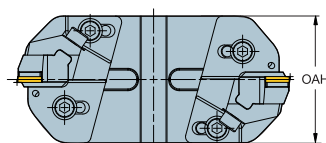
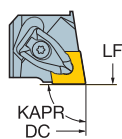
Up to 2 cutting edges



- CNMM, CNGP
- CNMG
- CNMA, CNGA

KAPR

90°



							Dimensions, mm, inch										
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPsi			CICT	MIID		
148.0	200.0	19	3/4	C8	1	820-200CN19-C8	80.00	1.50	122.00	104.00	70	6.4	7.050	2	CNMG 19 06 12		
5.827	7.874						3.150	.059	4.803	4.094	1015				CNMG 643		
148.0	200.0	19	3/4	C10	1	820-200CN19-C10	100.00	1.50	128.00	104.00	70	6.4	8.960	2	CNMG 19 06 12		
5.827	7.874						3.937	.059	5.039	4.094	1015				CNMG 643		
198.0	250.0	19	3/4	C8	1	820-250CN19-C8	80.00	1.50	122.00	104.00	70	6.4	8.280	2	CNMG 19 06 12		
7.795	9.843						3.150	.059	4.803	4.094	1015				CNMG 643		
198.0	250.0	19	3/4	C10	1	820-250CN19-C10	100.00	1.50	128.00	104.00	70	6.4	10.220	2	CNMG 19 06 12		
7.795	9.843						3.937	.059	5.039	4.094	1015				CNMG 643		
248.0	300.0	19	3/4	C8	1	820-300CN19-C8	80.00	1.50	122.00	104.00	70	6.4	9.480	2	CNMG 19 06 12		
9.764	11.811						3.150	.059	4.803	4.094	1015				CNMG 643		
248.0	300.0	19	3/4	C10	1	820-300CN19-C10	100.00	1.50	128.00	104.00	70	6.4	11.530	2	CNMG 19 06 12		
9.764	11.811						3.937	.059	5.039	4.094	1015				CNMG 643		



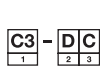
O5



Q1



Q35

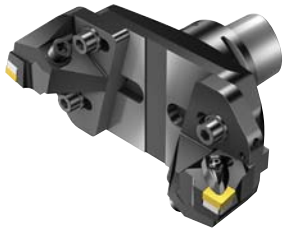


Q28

# CoroBore® 820 XL rough boring tool

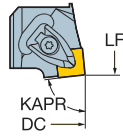
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges

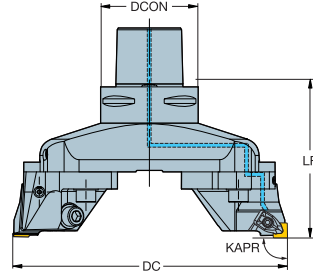
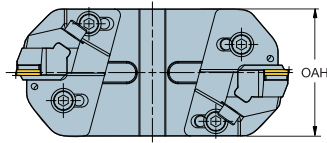


- SNMM
- SNMG
- SNMA, SNGA

KAPR



84°



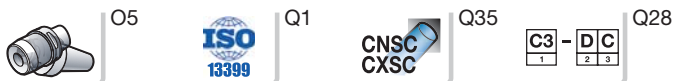
N

							Dimensions, mm, inch											
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPsi			CICT	MIID			
148.0	200.0	15	5/8	C8	1	820-200SN15-C8	80.00	1.50	122.00	104.00	70	6.4	7.050	2	SNMG 15 06 08			
<i>5.827</i>	<i>7.874</i>						<i>3.150</i>	<i>.059</i>	<i>4.803</i>	<i>4.094</i>	<i>1015</i>				<i>SNMG 542</i>			
148.0	200.0	15	5/8	C10	1	820-200SN15-C10	100.00	1.50	128.00	104.00	70	6.4	8.960	2	SNMG 15 06 08			
<i>5.827</i>	<i>7.874</i>						<i>3.937</i>	<i>.059</i>	<i>5.039</i>	<i>4.094</i>	<i>1015</i>				<i>SNMG 542</i>			
198.0	250.0	15	5/8	C8	1	820-250SN15-C8	80.00	1.50	122.00	104.00	70	6.4	8.280	2	SNMG 15 06 08			
<i>7.795</i>	<i>9.843</i>						<i>3.150</i>	<i>.059</i>	<i>4.803</i>	<i>4.094</i>	<i>1015</i>				<i>SNMG 542</i>			
198.0	250.0	15	5/8	C10	1	820-250SN15-C10	100.00	1.50	128.00	104.00	70	6.4	10.220	2	SNMG 15 06 08			
<i>7.795</i>	<i>9.843</i>						<i>3.937</i>	<i>.059</i>	<i>5.039</i>	<i>4.094</i>	<i>1015</i>				<i>SNMG 542</i>			
248.0	300.0	15	5/8	C8	1	820-300SN15-C8	80.00	1.50	122.00	104.00	70	6.4	9.480	2	SNMG 15 06 08			
<i>9.764</i>	<i>11.811</i>						<i>3.150</i>	<i>.059</i>	<i>4.803</i>	<i>4.094</i>	<i>1015</i>				<i>SNMG 542</i>			
248.0	300.0	15	5/8	C10	1	820-300SN15-C10	100.00	1.50	128.00	104.00	70	6.4	11.530	2	SNMG 15 06 08			
<i>9.764</i>	<i>11.811</i>						<i>3.937</i>	<i>.059</i>	<i>5.039</i>	<i>4.094</i>	<i>1015</i>				<i>SNMG 542</i>			

O

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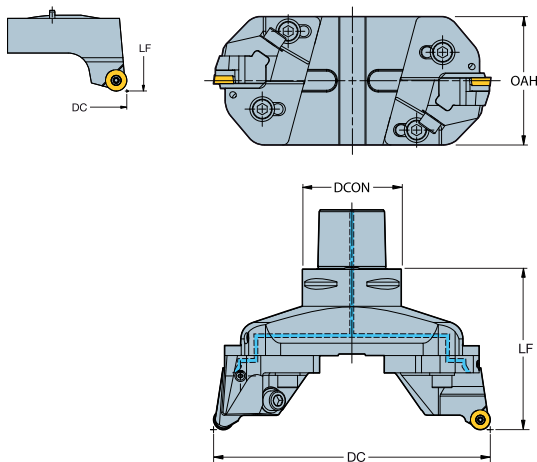




# CoroBore® 820 XL rough boring tool

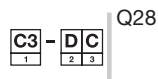
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



RCMT  
RCGX-AL

							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
148.0	200.0	16	.630	C8	1	820-200RC16-C8	80.00	1.50	130.00	104.00	70	3.0	7.050	2	RCMT 16 06 M0
5.827	7.874						3.150	.059	5.118	4.094	1015				RCMT 16 06 M0
148.0	200.0	16	.630	C10	1	820-200RC16-C10	100.00	1.50	136.00	104.00	70	3.0	8.960	2	RCMT 16 06 M0
5.827	7.874						3.937	.059	5.354	4.094	1015				RCMT 16 06 M0
198.0	250.0	16	.630	C8	1	820-250RC16-C8	80.00	1.50	130.00	104.00	70	3.0	8.280	2	RCMT 16 06 M0
7.795	9.843						3.150	.059	5.118	4.094	1015				RCMT 16 06 M0
198.0	250.0	16	.630	C10	1	820-250RC16-C10	100.00	1.50	136.00	104.00	70	3.0	10.220	2	RCMX 16 06 00
7.795	9.843						3.937	.059	5.354	4.094	1015				RCMX 16 06 00
248.0	300.0	16	.630	C8	1	820-300RC16-C8	80.00	1.50	130.00	104.00	70	3.0	9.480	2	RCMX 16 06 00
9.764	11.811						3.150	.059	5.118	4.094	1015				RCMX 16 06 00
248.0	300.0	16	.630	C10	1	820-300RC16-C10	100.00	1.50	136.00	104.00	70	3.0	11.530	2	RCMT 16 06 M0
9.764	11.811						3.937	.059	5.354	4.094	1015				RCMT 16 06 M0



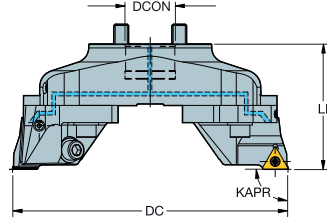
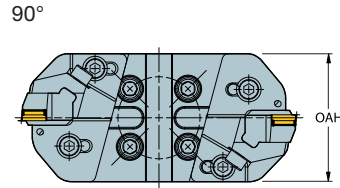
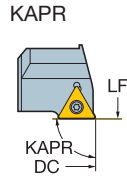
# CoroBore® 820 XL lightweight rough boring tool

Arbor - Internal coolant supply

Up to 2 cutting edges

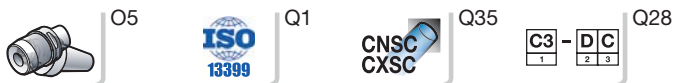


- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
148.0	200.0	22	1/2	40S	1	820L-200TC22	40.00	1.50	102.00	104.00	70	3.0	3.860	2	TCMT 22 04 08 TCMT 432
5.827	7.874						1.575	.059	4.016	4.094	1015				
198.0	250.0	22	1/2	40S	1	820L-250TC22	40.00	1.50	102.00	104.00	70	3.0	4.390	2	TCMT 22 04 08 TCMT 432
7.795	9.843						1.575	.059	4.016	4.094	1015				
248.0	300.0	22	1/2	40S	1	820L-300TC22	40.00	1.50	102.00	104.00	70	3.0	4.870	2	TCMT 22 04 08 TCMT 432
9.764	11.811						1.575	.059	4.016	4.094	1015				

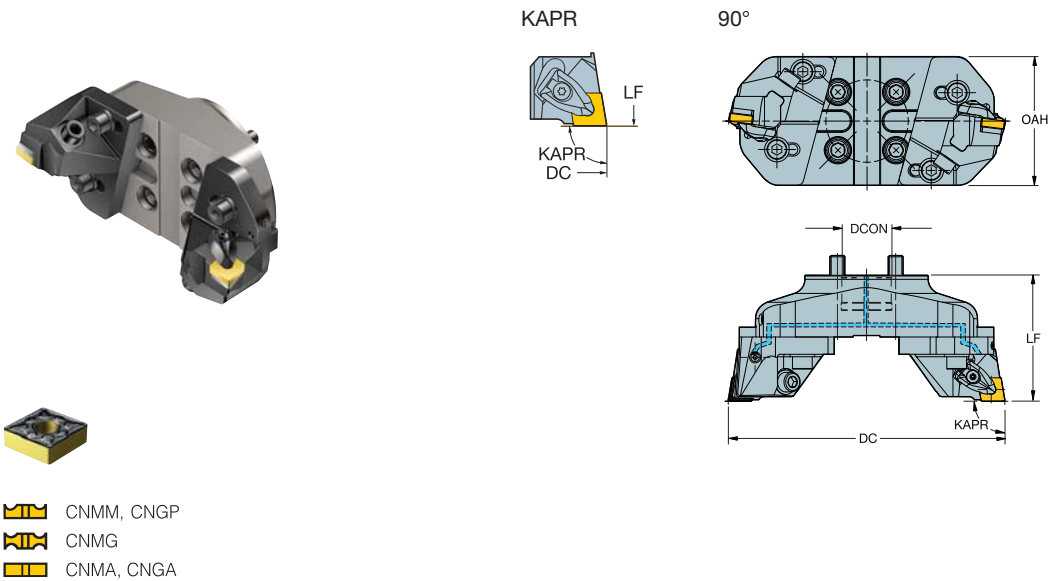
Use with 40S facemill holders, example C8-391.05-40 060M. To be ordered separately.



# CoroBore® 820 XL lightweight rough boring tool

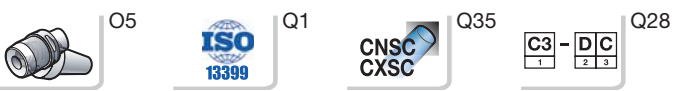
Arbor - Internal coolant supply

Up to 2 cutting edges



							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
148.0	200.0	19	3/4	40S	1	820L-200CN19	40.00	1.50	102.00	104.00	70	6.4	3.960	2	CNMG 19 06 12 CNMG 643
5.827	7.874						1.575	.059	4.016	4.094	1015				
198.0	250.0	19	3/4	40S	1	820L-250CN19	40.00	1.50	102.00	104.00	70	6.4	4.490	2	CNMG 19 06 12 CNMG 643
7.795	9.843						1.575	.059	4.016	4.094	1015				
248.0	300.0	19	3/4	40S	1	820L-300CN19	40.00	1.50	102.00	104.00	70	6.4	4.970	2	CNMG 19 06 12 CNMG 643
9.764	11.811						1.575	.059	4.016	4.094	1015				

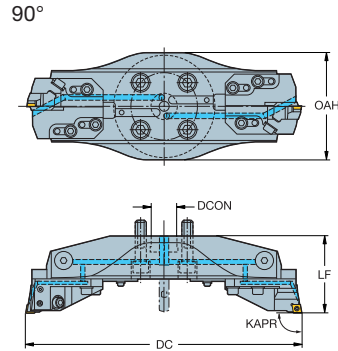
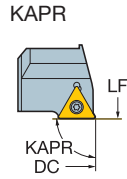
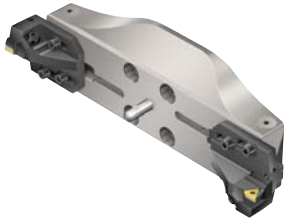
Use with 40S facemill holders, example C8-391.05-40 060M. To be ordered separately.



# CoroBore® 820 XL rough boring tool

Arbor - Internal coolant supply

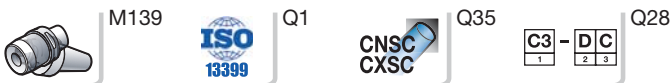
Up to 2 cutting edges



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
298.0	380.0	22	1/2	40X	1	820-380TC22	40.00	1.50	114.00	164.00	70	3.0	8.970	2	TCMT 22 04 08
11.732	14.961						1.575	.059	4.488	6.457	1015				TCMT 432
378.0	460.0	22	1/2	40X	1	820-460TC22	40.00	1.50	119.00	164.00	70	3.0	10.730	2	TCMT 22 04 08
14.882	18.110						1.575	.059	4.685	6.457	1015				TCMT 432
458.0	540.0	22	1/2	40X	1	820-540TC22	40.00	1.50	124.00	164.00	70	3.0	12.660	2	TCMT 22 04 08
18.032	21.260						1.575	.059	4.882	6.457	1015				TCMT 432

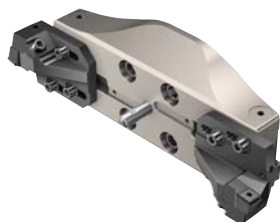
Use with 40X CoroBore XL holders only. To be ordered separately.



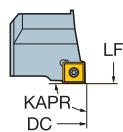
# CoroBore® 820 XL rough boring tool

Arbor - Internal coolant supply

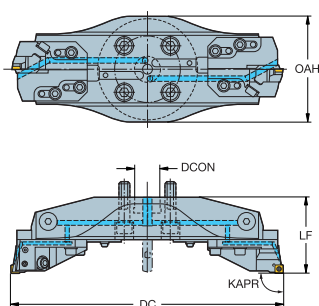
Up to 2 cutting edges



KAPR



90°



880-..P-..

							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
298.0	380.0	09P	09P	40X	1	820-380SP18	40.00	1.50	114.00	164.00	70	3.0	9.050	2	880-0906W08H-P-GM 880-0906W08H-P-GM
11.732	14.961						1.575	.059	4.488	6.457	1015				
378.0	460.0	09P	09P	40X	1	820-460SP18	40.00	1.50	119.00	164.00	70	3.0	10.810	2	880-0906W08H-P-GM 880-0906W08H-P-GM
14.882	18.110						1.575	.059	4.685	6.457	1015				
458.0	540.0	09P	09P	40X	1	820-540SP18	40.00	1.50	124.00	164.00	70	3.0	12.740	2	880-0906W08H-P-GM 880-0906W08H-P-GM
18.032	21.260						1.575	.059	4.882	6.457	1015				

Use with 40X CoroBore XL holders only. To be ordered separately.



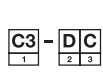
M139



Q1



Q35

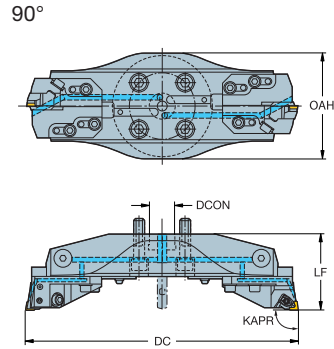
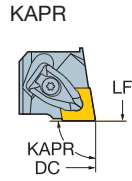


Q28

# CoroBore® 820 XL rough boring tool

Arbor - Internal coolant supply

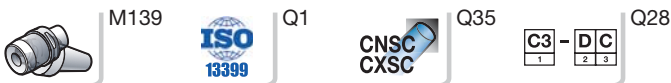
Up to 2 cutting edges



- CNMM, CNGP
- CNMG
- CNMA, CNGA

							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
298.0	380.0	19	3/4	40X	1	820-380CN19	40.00	1.50	114.00	164.00	70	6.4	9.070	2	CNMG 19 06 12 CNMG 643
<i>11.732</i>	<i>14.961</i>						<i>1.575</i>	<i>.059</i>	<i>4.488</i>	<i>6.457</i>	<i>1015</i>				
378.0	460.0	19	3/4	40X	1	820-460CN19	40.00	1.50	119.00	164.00	70	6.4	10.830	2	CNMG 19 06 12 CNMG 643
<i>14.882</i>	<i>18.110</i>						<i>1.575</i>	<i>.059</i>	<i>4.685</i>	<i>6.457</i>	<i>1015</i>				
458.0	540.0	19	3/4	40X	1	820-540CN19	40.00	1.50	124.00	164.00	70	6.4	12.760	2	CNMG 19 06 12 CNMG 643
<i>18.032</i>	<i>21.260</i>						<i>1.575</i>	<i>.059</i>	<i>4.882</i>	<i>6.457</i>	<i>1015</i>				

Use with 40X CoroBore XL holders only. To be ordered separately.



# CoroBore® 820 XL rough boring tool

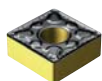
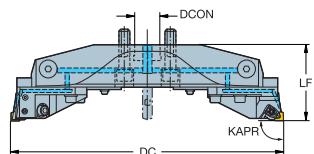
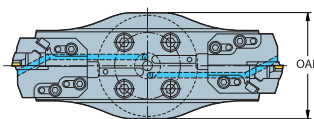
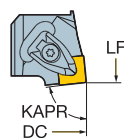
Arbor - Internal coolant supply

Up to 2 cutting edges



KAPR

84°



- SNMM
- SNMG
- SNMA, SNGA

							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
298.0	380.0	15	5/8	40X	1	820-380SN15	40.00	1.50	114.00	164.00	70	6.4	9.070	2	SNMG 15 06 08 SNMG 542
11.732	14.961						1.575	.059	4.488	6.457	1015				
378.0	460.0	15	5/8	40X	1	820-460SN15	40.00	1.50	119.00	164.00	70	6.4	10.830	2	SNMG 15 06 08 SNMG 542
14.882	18.110						1.575	.059	4.685	6.457	1015				
458.0	540.0	15	5/8	40X	1	820-540SN15	40.00	1.50	124.00	164.00	70	6.4	12.760	2	SNMG 15 06 08 SNMG 542
18.032	21.260						1.575	.059	4.882	6.457	1015				

Use with 40X CoroBore XL holders only. To be ordered separately.



M139



Q1



Q35

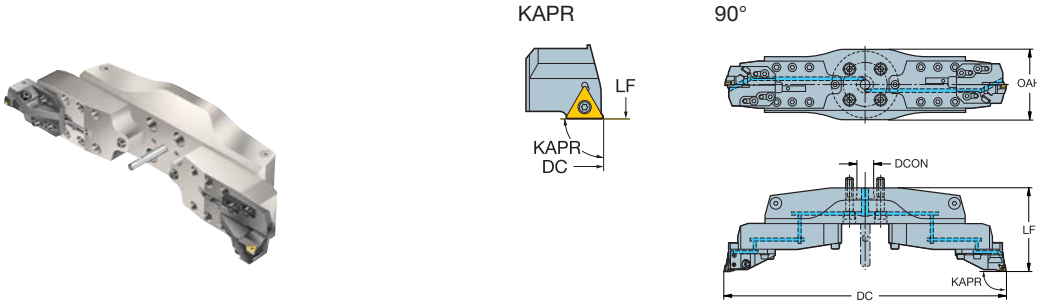


Q28

# CoroBore® 820 XL rough boring tool

Arbor with bridge extension - Internal coolant supply

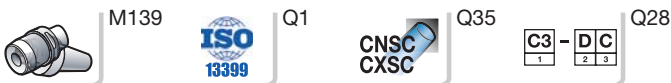
Up to 2 cutting edges



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
538.0	780.0	22	1/2	40X	1	820-780TC22	40.00	1.50	198.00	164.00	70	3.0	25.110	2	TCMT 22 04 08
<i>21.181</i>	<i>30.709</i>						<i>1.575</i>	<i>.059</i>	<i>7.795</i>	<i>6.457</i>	<i>1015</i>				<i>TCMT 432</i>
778.0	1020.0	22	1/2	40X	1	820-1020TC22	40.00	1.50	218.00	164.00	70	3.0	36.300	2	TCMT 22 04 08
<i>30.630</i>	<i>40.158</i>						<i>1.575</i>	<i>.059</i>	<i>8.583</i>	<i>6.457</i>	<i>1015</i>				<i>TCMT 432</i>
1018.0	1260.0	22	1/2	40X	1	820-1260TC22	40.00	1.50	218.00	164.00	70	3.0	43.730	2	TCMT 22 04 08
<i>40.079</i>	<i>49.606</i>						<i>1.575</i>	<i>.059</i>	<i>8.583</i>	<i>6.457</i>	<i>1015</i>				<i>TCMT 432</i>

Use with 40X CoroBore XL holders only. To be ordered separately.

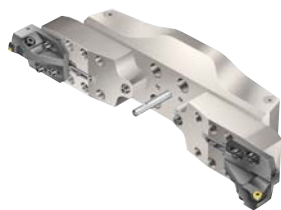




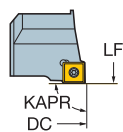
# CoroBore® 820 XL rough boring tool

Arbor with bridge extension - Internal coolant supply

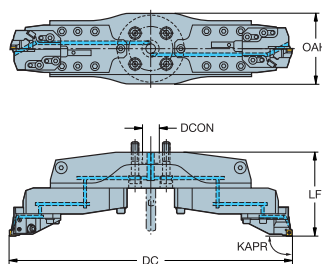
Up to 2 cutting edges



KAPR



90°



880-..P-..

							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
538.0	780.0	09P	09P	40X	1	820-780SP18	40.00	1.50	198.00	164.00	70	3.0	25.190	2	880-0906W08H-P-GM 880-0906W08H-P-GM
<i>21.181</i>	<i>30.709</i>						<i>1.575</i>	<i>.059</i>	<i>7.795</i>	<i>6.457</i>	<i>1015</i>				
778.0	1020.0	09P	09P	40X	1	820-1020SP18	40.00	1.50	218.00	164.00	70	3.0	36.380	2	880-0906W08H-P-GM 880-0906W08H-P-GM
<i>30.630</i>	<i>40.158</i>						<i>1.575</i>	<i>.059</i>	<i>8.583</i>	<i>6.457</i>	<i>1015</i>				
1018.0	1260.0	09P	09P	40X	1	820-1260SP18	40.00	1.50	218.00	164.00	70	3.0	43.810	2	880-0906W08H-P-GM 880-0906W08H-P-GM
<i>40.079</i>	<i>49.606</i>						<i>1.575</i>	<i>.059</i>	<i>8.583</i>	<i>6.457</i>	<i>1015</i>				

Use with 40X CoroBore XL holders only. To be ordered separately.



M139



Q1



Q35



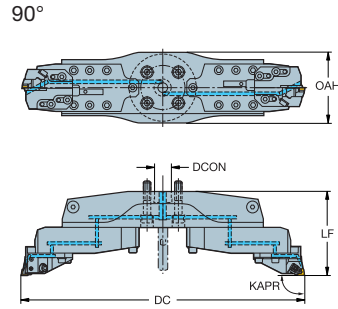
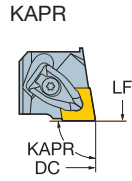
Q28



# CoroBore® 820 XL rough boring tool

Arbor with bridge extension - Internal coolant supply

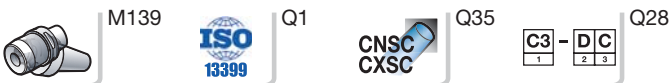
Up to 2 cutting edges



- CNMM, CNGP
- CNMG
- CNMA, CNGA

							Dimensions, mm, inch											
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID			
538.0 <i>21.181</i>	780.0 <i>30.709</i>	19	3/4	40X	1	<b>820-780CN19</b>	40.00 <i>1.575</i>	1.50 <i>.059</i>	198.00 <i>7.795</i>	164.00 <i>6.457</i>	70 <i>1015</i>	6.4	25.210	2	CNMG 19 06 12 <i>CNMG 643</i>			
778.0 <i>30.630</i>	1020.0 <i>40.158</i>	19	3/4	40X	1	<b>820-1020CN19</b>	40.00 <i>1.575</i>	1.50 <i>.059</i>	218.00 <i>8.583</i>	164.00 <i>6.457</i>	70 <i>1015</i>	6.4	36.400	2	CNMG 19 06 12 <i>CNMG 643</i>			
1018.0 <i>40.079</i>	1260.0 <i>49.606</i>	19	3/4	40X	1	<b>820-1260CN19</b>	40.00 <i>1.575</i>	1.50 <i>.059</i>	218.00 <i>8.583</i>	164.00 <i>6.457</i>	70 <i>1015</i>	6.4	43.830	2	CNMG 19 06 12 <i>CNMG 643</i>			

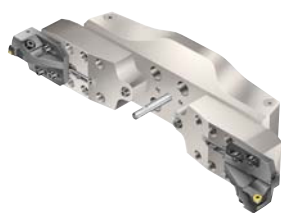
Use with 40X CoroBore XL holders only. To be ordered separately.



# CoroBore® 820 XL rough boring tool

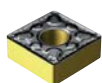
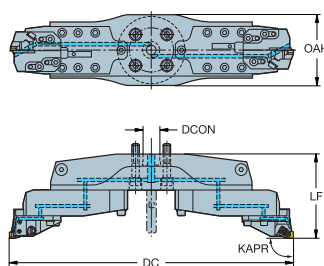
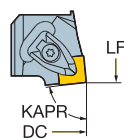
Arbor with bridge extension - Internal coolant supply

Up to 2 cutting edges



KAPR

84°



- SNMM
- SNMG
- SNMA, SNGA

							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	ADJL <sub>AXL</sub>	LF	OAH	CP BarPSI			CICT	MIID
538.0	780.0	15	5/8	40X	1	820-780SN15	40.00	1.50	198.00	164.00	70	6.4	25.210	2	SNMG 15 06 08
<i>21.181</i>	<i>30.709</i>						<i>1.575</i>	<i>.059</i>	<i>7.795</i>	<i>6.457</i>	<i>1015</i>				<i>SNMG 542</i>
778.0	1020.0	15	5/8	40X	1	820-1020SN15	40.00	1.50	218.00	164.00	70	6.4	36.400	2	SNMG 15 06 08
<i>30.630</i>	<i>40.158</i>						<i>1.575</i>	<i>.059</i>	<i>8.583</i>	<i>6.457</i>	<i>1015</i>				<i>SNMG 542</i>
1018.0	1260.0	15	5/8	40X	1	820-1260SN15	40.00	1.50	218.00	164.00	70	6.4	43.830	2	SNMG 15 06 08
<i>40.079</i>	<i>49.606</i>						<i>1.575</i>	<i>.059</i>	<i>8.583</i>	<i>6.457</i>	<i>1015</i>				<i>SNMG 542</i>

Use with 40X CoroBore XL holders only. To be ordered separately.



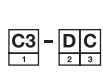
M139



Q1



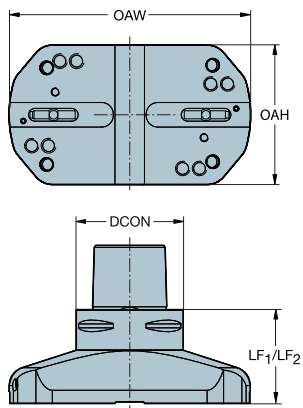
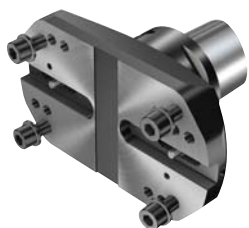
Q35




Q28

# Coromant Capto® to CoroBore® XL tool body

Internal coolant supply



					Dimensions, mm, inch					
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF <sub>1</sub>	LF <sub>2</sub>	CP BarPSI	 Kg
148.0	200.0	C8	S17FR	1	C8-R822XLS17-AJ 070	80.00	70.00	70.00	70	4.570
<i>5.827</i>	<i>7.874</i>					<i>3.150</i>	<i>2.756</i>	<i>2.756</i>	<i>1015</i>	
198.0	250.0	C8	S17FR	1	C8-R822XLS17-AK 070	80.00	70.00	70.00	70	5.800
<i>7.795</i>	<i>9.843</i>					<i>3.150</i>	<i>2.756</i>	<i>2.756</i>	<i>1015</i>	
248.0	300.0	C8	S17FR	1	C8-R822XLS17-AL 070	80.00	70.00	70.00	70	7.000
<i>9.764</i>	<i>11.811</i>					<i>3.150</i>	<i>2.756</i>	<i>2.756</i>	<i>1015</i>	
148.0	200.0	C10	S17FR	1	C10-R822XLS17-AJ 076	100.00	76.00	76.00	70	6.480
<i>5.827</i>	<i>7.874</i>					<i>3.937</i>	<i>2.992</i>	<i>2.992</i>	<i>1015</i>	
198.0	250.0	C10	S17FR	1	C10-R822XLS17-AK 076	100.00	76.00	76.00	70	7.740
<i>7.795</i>	<i>9.843</i>					<i>3.937</i>	<i>2.992</i>	<i>2.992</i>	<i>1015</i>	
248.0	300.0	C10	S17FR	1	C10-R822XLS17-AL 076	100.00	76.00	76.00	70	9.050
<i>9.764</i>	<i>11.811</i>					<i>3.937</i>	<i>2.992</i>	<i>2.992</i>	<i>1015</i>	

Diameters are valid for CoroBore 820 XL and CoroBore 826 XL. When CoroBore 825 XL/826 XL is used, DCX will be increased by 15 mm.



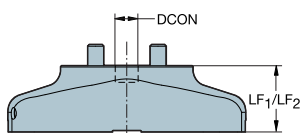
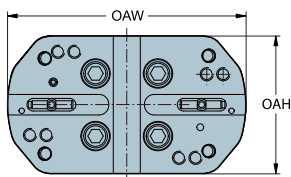
Q1



Q35

# Arbor to CoroBore® XL lightweight tool body

Internal coolant supply



						Dimensions, mm, inch						
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF <sub>1</sub>	LF <sub>2</sub>	OAH	OAW	CP BarPSI	KG
148.0	200.0	40S	S17FR	1	A40-R822XLS17-LJ 050	40.00	50.00	50.00	104.00	130.00	70	1.460
	<i>5.827</i>						<i>1.969</i>	<i>1.969</i>	<i>4.094</i>	<i>5.118</i>	<i>1015</i>	
198.0	250.0	40S	S17FR	1	A40-R822XLS17-LK 050	40.00	50.00	50.00	104.00	180.00	70	1.990
	<i>7.795</i>						<i>1.969</i>	<i>1.969</i>	<i>4.094</i>	<i>7.087</i>	<i>1015</i>	
248.0	300.0	40S	S17FR	1	A40-R822XLS17-LL 050	40.00	50.00	50.00	104.00	230.00	70	2.470
	<i>9.764</i>						<i>1.969</i>	<i>1.969</i>	<i>4.094</i>	<i>9.055</i>	<i>1015</i>	

Use with 40S facemill holders, example C8-391.05-40 060M. To be ordered separately.

Diameters are valid for CoroBore 820 XL and CoroBore 826 XL. When CoroBore 825 XL/826 XL is used, DCX will be increased by 15 mm.



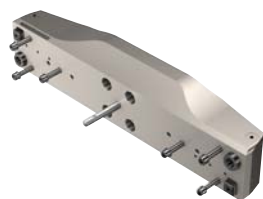
Q1



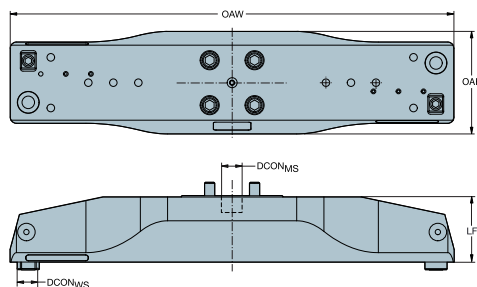
Q35

# Arbor to CoroBore® XL bridge

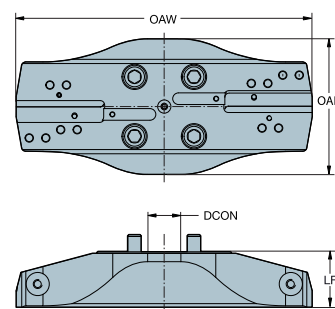
Internal coolant supply



A40-NXLA35



A40-RXLS24



						Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF	WF	OAH	OAW	CP BarPSI	KG	
298.0	380.0	40X	S24	1	A40-RXLS24-AM2 062	40.00	62.00	103.25	164.00	278.00	70	5.330	
						<i>1.575</i>	<i>2.441</i>	<i>4.065</i>	<i>6.457</i>	<i>10.945</i>	<i>1015</i>		
378.0	460.0	40X	S24	1	A40-RXLS24-AN2 067	40.00	67.00	143.25	164.00	358.00	70	7.090	
						<i>1.575</i>	<i>2.638</i>	<i>5.640</i>	<i>6.457</i>	<i>14.095</i>	<i>1015</i>		
458.0	540.0	40X	S24	1	A40-RXLS24-AO2 072	40.00	72.00	183.25	164.00	438.00	70	9.020	
						<i>1.575</i>	<i>2.835</i>	<i>7.215</i>	<i>6.457</i>	<i>17.244</i>	<i>1015</i>		

Use with 40X CoroBore XL holders only. To be ordered separately.

Diameters are valid for CoroBore 820 XL and CoroBore 826 XL. When CoroBore 825 XL/826 XL is used, DCX will be increased by 15 mm.

						Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	LF	WF	OAH	OAW	CP BarPSI	KG
538.0	780.0	40X	A35	1	A40-NXLA35-AP2 086	40.00	35.00	86.00	206.00	164.00	470.00	70	14.770
						<i>1.575</i>	<i>1.378</i>	<i>3.386</i>	<i>8.110</i>	<i>6.457</i>	<i>18.504</i>	<i>1015</i>	
778.0	1020.0	40X	A35	1	A40-NXLA35-AQ2 106	40.00	35.00	106.00	326.00	164.00	710.00	70	25.960
						<i>1.575</i>	<i>1.378</i>	<i>4.173</i>	<i>12.835</i>	<i>6.457</i>	<i>27.953</i>	<i>1015</i>	
1018.0	1260.0	40X	A35	1	A40-NXLA35-AR2 106	40.00	35.00	106.00	446.00	164.00	950.00	70	33.390
						<i>1.575</i>	<i>1.378</i>	<i>4.173</i>	<i>17.559</i>	<i>6.457</i>	<i>37.402</i>	<i>1015</i>	

Use with 40X CoroBore XL holders only. To be ordered separately.

For diameter 538-1260 mm (21.181-49.606 inch) , bridge extensions (2pcs) are required. To be ordered separately.

Diameters are valid for CoroBore 820 XL and CoroBore 826 XL. When CoroBore 825 XL/826 XL is used, DCX will be increased by 15 mm.



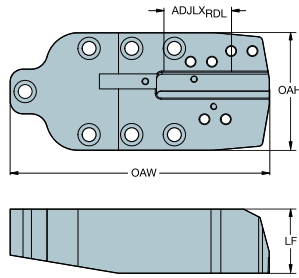
Q1



Q35

# CoroBore® XL bridge extension

Internal coolant supply



			Dimensions, mm, inch									
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>AXL</sub>	ADJLX <sub>RDL</sub>	LF	WF	OAH	OAW	CP BarPSI	CP BarKg
A35	S24	4	A35-RXLS24-A 060	35.00	20.00	80.00	60.00	17.25	110.00	243.00	70	3.350
				1.378	.787	3.150	2.362	.679	4.331	9.567	1015	



Q1



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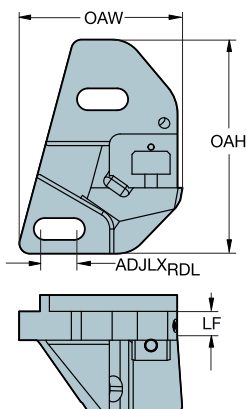
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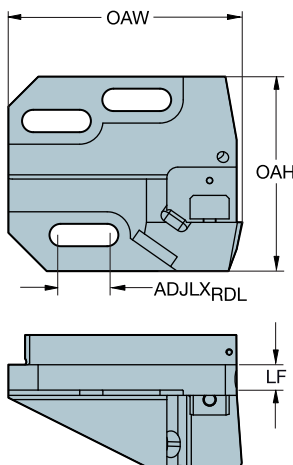
# Slide for CoroBore® XL

Internal coolant supply



Dimensions, mm, inch

CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	ADJLX <sub>RD</sub> L	ADJLX <sub>AX</sub> L	LF	WF	OAH	OAW	CP BarPSI	Kg
S17R	S12	4	S17-R820XLS12-012	14.00	1.50	12.00	3.82	104.00	79.24	70	0.950
				.551	.059	.472	.150	4.094	3.120	1015	



Dimensions, mm, inch

CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	ADJLX <sub>RD</sub> L	ADJLX <sub>AX</sub> L	LF	WF	OAH	OAW	CP BarPSI	Kg
S24	S12	4	S24-R820XLS12-012	22.00	1.50	12.00	3.23	92.00	110.37	70	1.570
				.866	.059	.472	.127	3.622	4.345	1015	



Q1

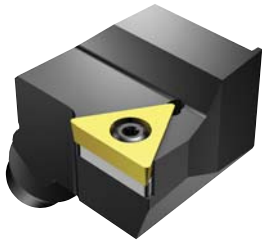


Q35

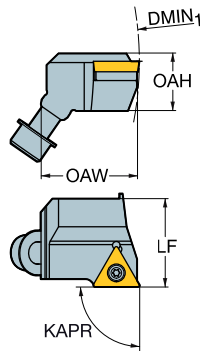


# Cartridge for CoroBore® XL

KAPR 90°

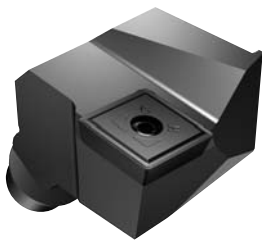


- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

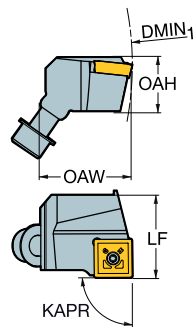


					Dimensions, mm, inch							
DMIN <sub>1</sub>	IC	CZC <sub>MS</sub>	CNSC	Ordering code	LF	WF	OAH	OAW			MIID	
148.0	22	1/2	S12	0	S12-R820XLR40STFC22	40.00	42.00	30.16	44.54	3.0	0.260	TCMT 22 04 08
5.827						1.575	1.654	1.187	1.754			TCMT 432

KAPR 90°



880-..P-..



					Dimensions, mm, inch							
DMIN <sub>1</sub>	IC	CZC <sub>MS</sub>	CNSC	Ordering code	LF	WF	OAH	OAW			MIID	
148.0	09P	09P	S12	0	S12-R820XLR40SSFP18	40.00	42.00	30.16	44.54	3.0	0.290	880-0906W08H-P-GM
5.827						1.575	1.654	1.187	1.754			880-0906W08H-P-GM



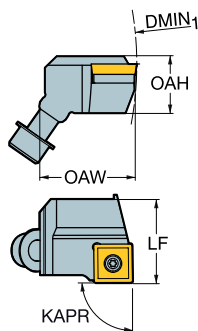
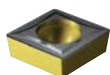
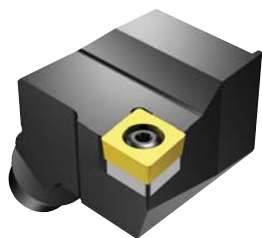
Q1



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# Cartridge for CoroBore® XL

KAPR 90°



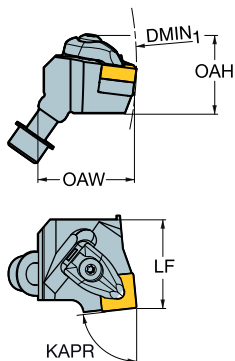
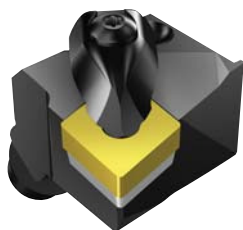
- CCMT, CCGT  
CCGX, CCET
- CCMW

M

					Dimensions, mm, inch							
DMIN <sub>1</sub>	IC	CZC <sub>MS</sub>	CNSC	Ordering code	LF	WF	OAH	OAW	Nm	Kg	MIID	
148.0	12	1/2	S12	0	S12-R820XLR40SCFC12	40.00	42.00	30.16	44.54	3.0	0.250	CCMT 12 04 08
5.827					1.575	1.654	1.187	1.754				CCMT 432

N

KAPR 90°



- CNMM, CNGP
- CNMG
- CNMA, CNGA

O

					Dimensions, mm, inch							
DMIN <sub>1</sub>	IC	CZC <sub>MS</sub>	CNSC	Ordering code	LF	WF	OAH	OAW	Nm	Kg	MIID	
148.0	19	3/4	S12	0	S12-R820XLR40DCFN19	40.00	42.00	40.78	44.54	6.4	0.300	CNMG 19 06 12
5.827					1.575	1.654	1.606	1.754				CNMG 643

P

Q



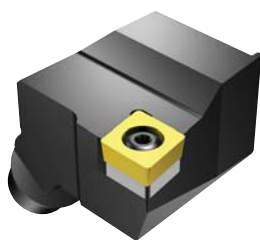
Q1



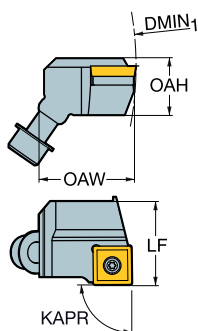
Q35

# Cartridge for CoroBore® XL

KAPR 84°

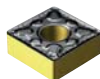
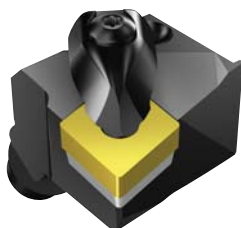


SCMT, SCGX  
 SCMW

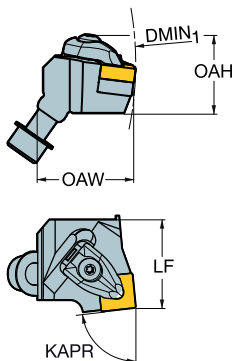


				Dimensions, mm, inch			
				<b>Ordering code</b>			<b>MIID</b>
148.0	12	1/2	S12	0	S12-R820XLR40SSYC12	40.00 42.00 30.16 44.54 3.0 0.260	SCMT 12 04 08
5.827						1.575 1.654 1.187 1.754	SCMT 432

KAPR 84°



SNMM  
 SNMG  
 SNMA, SNGA



				Dimensions, mm, inch			
				<b>Ordering code</b>			<b>MIID</b>
148.0	15	5/8	S12	0	S12-R820XLR40DSYN15	40.00 42.00 39.70 44.54 6.4 0.310	SNMG 15 06 08
5.827						1.575 1.654 1.563 1.754	SNMG 542

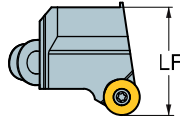
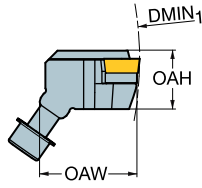


Q1



Q35

# Cartridge for CoroBore® XL



RCMT  
RCGX-AL

M

				Dimensions, mm, inch								
DMIN <sub>1</sub>	IC	CZC <sub>MS</sub>	CNSC	Ordering code	LF	WF	OAH	OAW	Nm	Kg	MIID	
148.0	16	.630	S12	0	S12-R820XLR48SRSC16	48.00	42.00	30.16	44.54	6.4	0.300	RCMT 16 06 M0
5.827					1.890	1.654	1.187	1.754				RCMT 16 06 M0

N

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P

Q



Q1



Q35

# CoroTurn® XS boring bar for boring

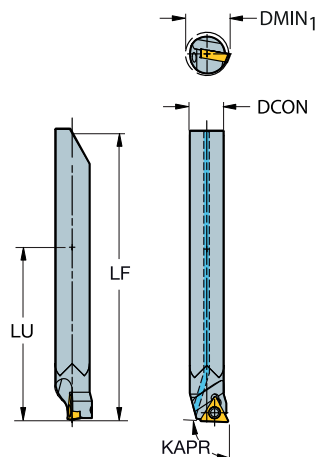
CXS connection - Internal coolant supply

KAPR

92°



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



					Dimensions, mm, inch									
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LU	LF	WF	CP Bar/PSI			MIID	
6.0	05	1/8	6	1	CXS-06-06 030TC05	6.00	30.00	51.25	3.00	20	0.6	0.020	TCEX 05 01 00	
.236						.236	1.181	2.018	.118	290			TCEX 1(1)00	
8.0	05	1/8	6	1	CXS-06-08 030TC05	6.00	30.00	51.25	4.00	20	0.6	0.020	TCEX 05 01 00	
.315						.236	1.181	2.018	.157	290			TCEX 1(1)00	
10.0	06	5/32	8	1	CXS-08-10 040TC06	8.00	40.00	66.25	5.00	20	0.6	0.050	TCMT 06 T1 02	
.394						.315	1.575	2.608	.197	290			TCMT 1.2(1.2)0	
12.0	06	5/32	8	1	CXS-08-12 040TC06	8.00	40.00	66.25	6.00	20	0.6	0.050	TCMT 06 T1 02	
.472						.315	1.575	2.608	.236	290			TCMT 1.2(1.2)0	
14.0	09	7/32	10	1	CXS-10-14 050TC09	10.00	50.00	76.25	7.00	20	0.8	0.070	TCMT 09 02 02	
.551						.394	1.969	3.002	.276	290			TCMT 1.8(1.5)0	
17.0	09	7/32	10	1	CXS-10-17 050TC09	10.00	50.00	76.25	8.50	20	0.8	0.070	TCMT 09 02 02	
.669						.394	1.969	3.002	.335	290			TCMT 1.8(1.5)0	

Recommended adaptors: CoroBore 824XS



M86



Q1



Q35

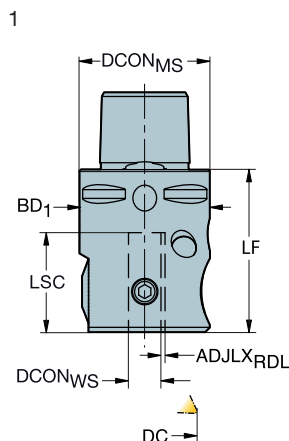
# Coromant Capto® to CoroTurn® XS adaptor

CoroBore® 824 XS

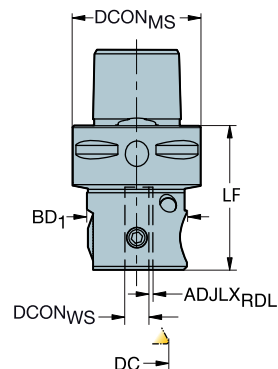
Internal coolant supply



DSGN



2



							Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	DSGN	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJLX <sub>RDL</sub>	LF	BD <sub>1</sub>	CP Bar/PSI	Nm	Kg
1.0	6.0	C3	4	1	2	C3-R824XS04-021	32.00	4.00	1.00	36.00	25.00	20	1.2	0.200
.039	.236						1.260	.157	.039	1.417	.984	290		
6.0	10.0	C3	6	1	2	C3-R824XS06-016	32.00	6.00	1.00	36.00	25.00	20	1.2	0.200
.236	.394						1.260	.236	.039	1.417	.984	290		
10.0	14.0	C3	8	1	1	C3-R824XS08-015	32.00	8.00	1.00	40.00	32.00	20	3.0	0.260
.394	.551						1.260	.315	.039	1.575	1.260	290		
14.0	20.0	C4	10	1	1	C4-R824XS10-017	40.00	10.00	1.50	42.00	40.00	20	3.0	0.440
.551	.787						1.575	.394	.059	1.654	1.575	290		

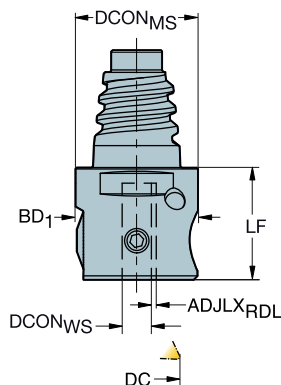
**Note:**

To be used with CoroBore® 824 XS boring bars



# Coromant EH to CoroTurn® XS adaptor

CoroBore® 824 XS  
Internal coolant supply



					Dimensions, mm, inch								
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJLX <sub>RDL</sub>	LF	BD <sub>1</sub>	CP BarPSI	Nm	Kg
1.0	6.0	E25	4	1	EH25-R824XS04-008	24.20	4.00	1.00	23.00	25.00	20	1.2	0.120
.039	.236					.953	.157	.039	.906	.984	290		
6.0	10.0	E25	6	1	EH25-R824XS06-003	24.20	6.00	1.00	23.00	25.00	20	1.2	0.120
.236	.394					.953	.236	.039	.906	.984	290		

**Note:**  
To be used with CoroBore® 824 XS boring bars



# Boring bar with indexable insert for fine boring heads

Cylindrical shank - Internal coolant supply

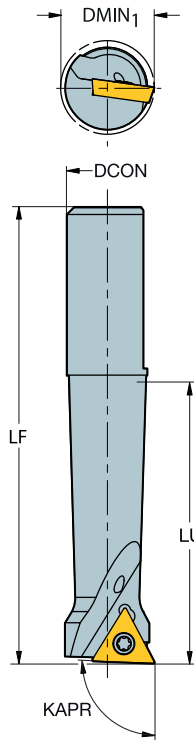
Steel bar

KAPR

92°



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



					Dimensions, mm, inch								
DMIN <sub>1</sub>	IC	CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LU	LF	WF	CP BarPsi	Nm	Kg	MIID	
8.0	.06	5/32	12	1	R429U-A12-08028TC06	12.00	28.00	54.00	4.00	20	0.6	0.040	TCMT 06 T1 02
.315						.472	1.102	2.126	.157	290			TCMT 1.2(1.2)0
8.0	.06	5/32	12	1	R429U-A12-08040TC06	12.00	40.00	66.00	4.00	20	0.6	0.040	TCMT 06 T1 02
.315						.472	1.575	2.598	.157	290			TCMT 1.2(1.2)0
11.0	.06	5/32	12	1	R429U-A12-11039TC06	12.00	39.00	65.00	5.50	20	0.6	0.050	TCMT 06 T1 02
.433						.472	1.535	2.559	.217	290			TCMT 1.2(1.2)0
11.0	.06	5/32	12	1	R429U-A12-11055TC06	12.00	55.00	81.00	5.50	20	0.6	0.060	TCMT 06 T1 02
.433						.472	2.165	3.189	.217	290			TCMT 1.2(1.2)0
14.0	.09	7/32	12	1	R429U-A12-14042TC09	12.00	42.00	68.00	7.00	20	0.8	0.060	TCMT 09 02 02
.551						.472	1.654	2.677	.276	290			TCMT 1.8(1.5)0
14.0	.09	7/32	12	1	R429U-A12-14060TC09	12.00	60.00	86.00	7.00	20	0.8	0.070	TCMT 09 02 02
.551						.472	2.362	3.386	.276	290			TCMT 1.8(1.5)0
17.0	.09	7/32	12	1	R429U-A12-17042TC09	12.00	42.00	68.00	8.50	20	0.8	0.060	TCMT 09 02 02
.669						.472	1.654	2.677	.335	290			TCMT 1.8(1.5)0
17.0	.09	7/32	12	1	R429U-A12-17060TC09	12.00	60.00	86.00	8.50	20	0.8	0.070	TCMT 09 02 02
.669						.472	2.362	3.386	.335	290			TCMT 1.8(1.5)0
20.0	.09	7/32	12	1	R429U-A12-20042TC09	12.00	42.00	68.00	10.00	20	0.8	0.060	TCMT 09 02 02
.787						.472	1.654	2.677	.394	290			TCMT 1.8(1.5)0
20.0	.09	7/32	12	1	R429U-A12-20060TC09	12.00	60.00	86.00	10.00	20	0.8	0.070	TCMT 09 02 02
.787						.472	2.362	3.386	.394	290			TCMT 1.8(1.5)0
8.0	.06	5/32	16	1	R429U-A16-08028 TC06A	16.00	28.00	89.00	4.00	20	0.6	0.100	TCMT 06 T1 02
.315						.630	1.102	3.504	.157	290			TCMT 1.2(1.2)0
8.0	.06	5/32	16	1	R429U-A16-08040TC06	16.00	40.00	101.00	4.00	20	0.6	0.100	TCMT 06 T1 02
.315						.630	1.575	3.976	.157	290			TCMT 1.2(1.2)0
11.0	.06	5/32	16	1	R429U-A16-11039 TC06A	16.00	39.00	100.00	5.50	20	0.6	0.110	TCMT 06 T1 02
.433						.630	1.535	3.937	.217	290			TCMT 1.2(1.2)0

Recommended adaptors: 391.37A/B





# Boring bar with indexable insert for fine boring heads

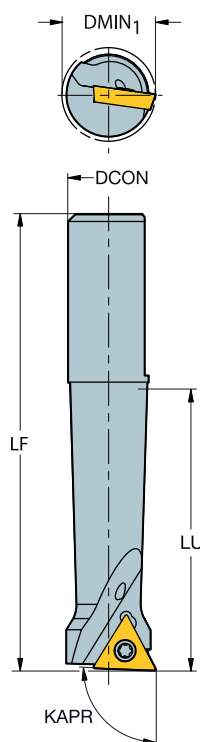
Cylindrical shank - Internal coolant supply

Steel bar

KAPR 92°



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



						Dimensions, mm, inch							
DMIN <sub>1</sub>		CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LU	LF	WF	CP BarPsi			MIID	
11.0	06	5/32	16	1	R429U-A16-11055TC06	16.00	55.00	116.00	5.50	20	0.6	0.120	TCMT 06 T1 02
.433						.630	2.165	4.567	.217	290			TCMT 1.2(1.2)0
14.0	09	7/32	16	1	R429U-A16-14049 TC09A	16.00	49.00	110.00	1.50	20	0.8	0.148	TCMT 09 02 02
.118						.630	.591	2.992	.059	1015			TCMT 1.8(1.5)0
14.0	09	7/32	16	1	R429U-A16-14070TC09	16.00	70.00	131.00	7.00	20	0.8	0.150	TCMT 09 02 02
.551						.630	2.756	5.157	.276	290			TCMT 1.8(1.5)0
17.0	09	7/32	16	1	R429U-A16-17056 TC09A	16.00	56.00	117.00	8.50	20	0.8	0.148	TCMT 09 02 02
.669						.630	2.205	4.606	.335	290			TCMT 1.8(1.5)0
17.0	09	7/32	16	1	R429U-A16-17080TC09	16.00	80.00	141.00	8.50	20	0.8	0.190	TCMT 09 02 02
.669						.630	3.150	5.551	.335	290			TCMT 1.8(1.5)0
20.0	09	7/32	16	1	R429U-A16-20056 TC09A	16.00	56.00	117.00	10.00	20	0.8	0.148	TCMT 09 02 02
.787						.630	2.205	4.606	.394	290			TCMT 1.8(1.5)0
20.0	09	7/32	16	1	R429U-A16-20080TC09	16.00	80.00	141.00	10.00	20	0.8	0.190	TCMT 09 02 02
.787						.630	3.150	5.551	.394	290			TCMT 1.8(1.5)0
23.0	09	7/32	16	1	R429U-A16-23056 TC09A	16.00	56.00	117.00	11.50	20	0.8	0.148	TCMT 09 02 02
.906						.630	2.205	4.606	.453	290			TCMT 1.8(1.5)0
23.0	09	7/32	16	1	R429U-A16-23080TC09	16.00	80.00	141.00	11.50	20	0.8	0.190	TCMT 09 02 02
.906						.630	3.150	5.551	.453	290			TCMT 1.8(1.5)0
26.0	09	7/32	16	1	R429U-A16-26056 TC09A	16.00	56.00	117.00	13.00	20	0.8	0.148	TCMT 09 02 02
1.024						.630	2.205	4.606	.512	290			TCMT 1.8(1.5)0
26.0	09	7/32	16	1	R429U-A16-26080TC09	16.00	80.00	141.00	13.00	20	0.8	0.190	TCMT 09 02 02
1.024						.630	3.150	5.551	.512	290			TCMT 1.8(1.5)0
17.0	09	7/32	20	1	R429U-A20-17060 TC09A	20.00	60.00	134.00	8.50	20	0.8	0.240	TCMT 09 02 02
.669						.787	2.362	5.276	.335	290			TCMT 1.8(1.5)0
20.0	09	7/32	20	1	R429U-A20-20070 TC09A	20.00	70.00	144.00	10.00	20	0.8	0.262	TCMT 09 02 02
.787						.787	2.756	5.669	.394	290			TCMT 1.8(1.5)0

Recommended adaptors: 391.37A/B



M95



Q1



Q35

# Boring bar with indexable insert for fine boring heads

Cylindrical shank - Internal coolant supply

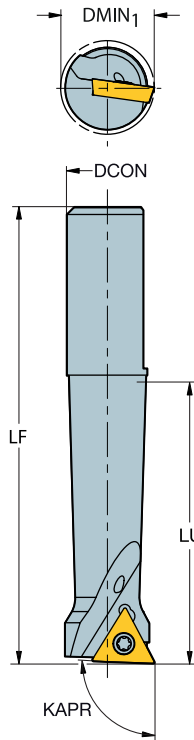
Steel bar

KAPR

92°



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



N

					Dimensions, mm, inch									
DMIN <sub>1</sub>	IC	CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LU	LF	WF	CP BarPsi	Nm	Kg	MIID		
23.0	09	7/32	20	1 R429U-A20-23070 TC09A	20.00	70.00	144.00	11.50	20	0.8	0.290	TCMT 09 02 02		
.906					.787	2.756	5.669	.453	290			TCMT 1.8(1.5)0		
26.0	09	7/32	20	1 R429U-A20-26070 TC09A	20.00	70.00	144.00	13.00	20	0.8	0.290	TCMT 09 02 02		
1.024					.787	2.756	5.669	.512	290			TCMT 1.8(1.5)0		

Recommended adaptors: 391.37A/B

O

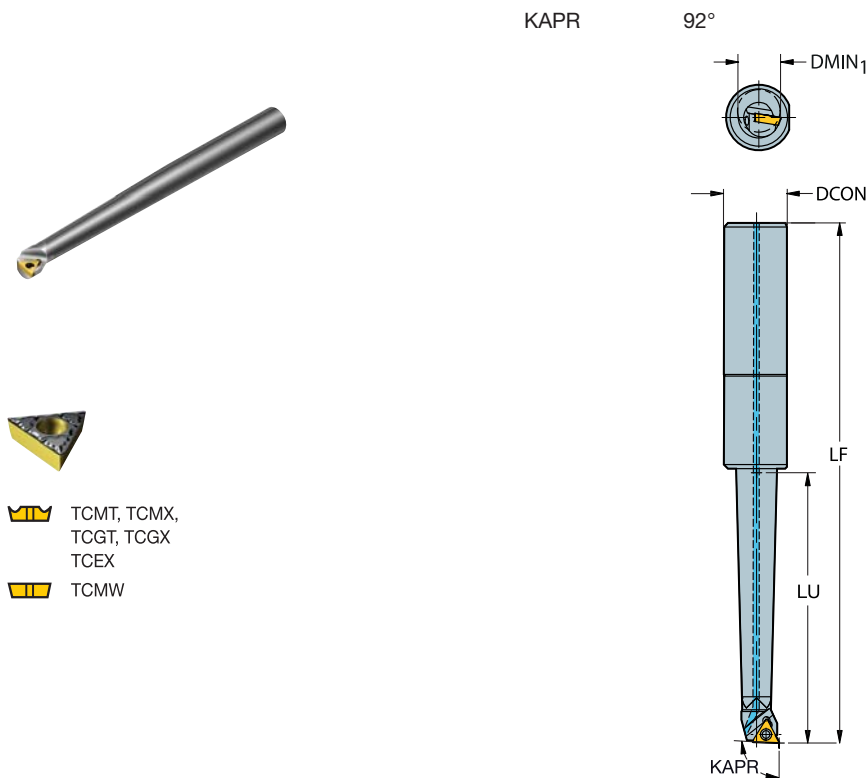
P

Q



# Boring bar with indexable insert for fine boring heads

Cylindrical shank - Internal coolant supply  
Carbide bar with brazed steel head



					Dimensions, mm, inch								
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LU	LF	WF	CP Bar/PSI			MIID
8.0	06	5/32	16	1	R429U-E16-08048TC06	16.00	48.00	109.00	4.00	20	0.6	0.130	TCMT 06 T1 02
.315						.630	1.890	4.291	.157	290			TCMT 1.2(1.2)0
11.0	06	5/32	16	1	R429U-E16-11066TC06	16.00	66.00	127.00	5.50	20	0.6	0.210	TCMT 06 T1 02
.433						.630	2.598	5.000	.217	290			TCMT 1.2(1.2)0
14.0	09	7/32	16	1	R429U-E16-14084TC09	16.00	84.00	145.00	7.00	20	0.8	0.240	TCMT 09 02 02
.551						.630	3.307	5.709	.276	290			TCMT 1.8(1.5)0
17.0	09	7/32	16	1	R429U-E16-17096TC09	16.00	96.00	157.00	8.50	20	0.8	0.360	TCMT 09 02 02
.669						.630	3.780	6.181	.335	290			TCMT 1.8(1.5)0
20.0	09	7/32	16	1	R429U-E16-20096TC09	16.00	96.00	157.00	10.00	20	0.8	0.360	TCMT 09 02 02
.787						.630	3.780	6.181	.394	290			TCMT 1.8(1.5)0
23.0	09	7/32	16	1	R429U-E16-23096TC09	16.00	96.00	157.00	11.50	20	0.8	0.360	TCMT 09 02 02
.906						.630	3.780	6.181	.453	290			TCMT 1.8(1.5)0
26.0	09	7/32	16	1	R429U-E16-26096TC09	16.00	96.00	157.00	13.00	20	0.8	0.360	TCMT 09 02 02
1.024						.630	3.780	6.181	.512	290			TCMT 1.8(1.5)0

Recommended adaptors: 391.37A/B



M95



Q1

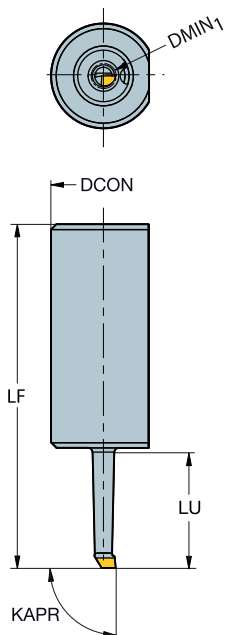


Q35

# Solid boring bar for fine boring head



KAPR 90°



Dimensions, mm, inch									
DMIN <sub>1</sub>	CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LU	LF	WF	CP BarPSI	Kg
3.0	16	1	R429U-E16-0301501A	16.00	15.00	76.00	1.50	70	0.102
.118				.630	.591	2.992	.059	1015	
5.0	16	1	R429U-E16-0502502A	16.00	25.00	86.00	2.50	70	0.100
.197				.630	.984	3.386	.098	1015	

Dimensions, mm, inch														
DMIN <sub>1</sub>	CZC <sub>MS</sub>	CNSC	Ordering code	P	M	K	N	S	DCON	LU	LF	WF	CP BarPSI	Kg
				H10F	H10F	H10F	H10F	H10F						
3.0	12	1	R429.90-03-013-01-CB	☆	☆	☆	☆	☆	12.00	13.50	40.00	1.50	70	0.023
.118									.472	.531	1.575	.059	1015	
5.0	12	1	R429.90-05-021-02-CB	☆	☆	☆	☆	☆	12.00	21.00	48.00	2.50	70	0.025
.197									.472	.827	1.890	.098	1015	

Recommended adaptors: 391.37A/B



M93



Q1

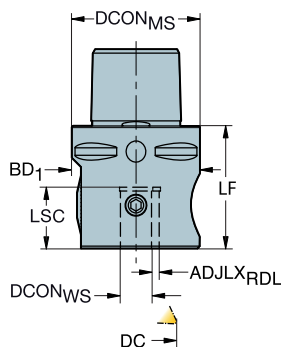



Q35

# Coromant Capto® to fine boring head adaptor

391.37A head

Internal coolant supply



						Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJLX <sub>RDL</sub>	LF	BD <sub>1</sub>	CP BarPSI		
3.0	26.0	C4	12	1	C4-391.37A-12 055B	40.00	12.00	3.00	55.00	50.00	20	0.690	
.118	1.024					1.575	.472	.118	2.165	1.969	290		
3.0	26.0	C5	12	1	C5-391.37A-12 048B	50.00	12.00	3.00	48.00	48.00	20	0.770	
.118	1.024					1.969	.472	.118	1.890	1.890	290		
3.0	32.0	C5	16	1	C5-391.37A-16 070A	50.00	16.00	3.00	70.00	63.00	20	1.400	
.118	1.260					1.969	.630	.118	2.756	2.480	290		
3.0	36.0	C5	20	1	C5-391.37A-20 085A	50.00	20.00	5.00	85.00	80.00	20	2.600	
.118	1.417					1.969	.787	.197	3.346	3.150	290		
3.0	32.0	C6	16	1	C6-391.37A-16 075A	63.00	16.00	3.00	75.00	63.00	20	1.600	
.118	1.260					2.480	.630	.118	2.953	2.480	290		
3.0	36.0	C6	20	1	C6-391.37A-20 085A	63.00	20.00	5.00	85.00	80.00	20	2.800	
.118	1.417					2.480	.787	.197	3.346	3.150	290		

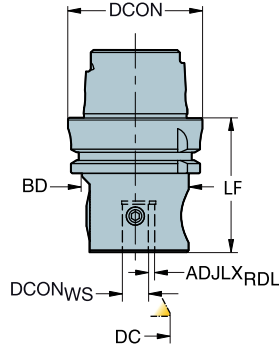
To be used with R429U/R429.90 boring bars



# HSK to fine boring head adaptor

391.37A head

Internal coolant supply



					Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJL <sub>x</sub> RDL	LF	BD <sub>1</sub>	CP BarPSI	KG
3.0	36.0	63	20	1	392.41037A-63 20 100A	63.00	20.00	5.00	100.00	80.00	20	3.000
.118	1.417					2.480	.787	.197	3.937	3.150	290	
3.0	26.0	63	12	1	392.41037A-6312063B	63.00	12.00	3.00	63.00	50.00	20	1.120
.118	1.024					2.480	.472	.118	2.480	1.969	290	
3.0	32.0	63	16	1	392.41037A-6316085A	63.00	16.00	3.00	85.00	63.00	20	1.800
.118	1.260					2.480	.630	.118	3.346	2.480	290	
3.0	26.0	100	12	1	392.41037A-10012076B	100.00	12.00	3.00	76.00	50.00	20	2.700
.118	1.024					3.937	.472	.118	2.992	1.969	290	

To be used with R429U/R429.90 boring bars



Q1

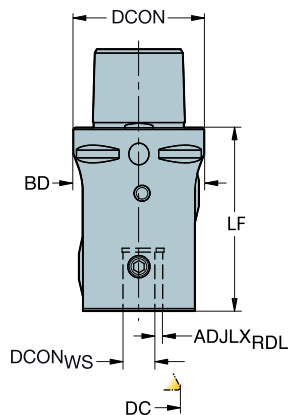


Q35

# Coromant Capto® to fine boring head adaptor

391.37B head with adjustable counterweight

Internal coolant supply



						Dimensions, mm, inch						
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJLXRDL	LF	BD <sub>1</sub>	CP BarPSI	KG
3.0	26.0	C5	12	1	C5-391.37B-12 070B	50.00	12.00	3.00	70.00	50.00	20	1.060
.118	1.024					1.969	.472	.118	2.756	1.969	290	

To be used with R429U/R429.90 boring bars



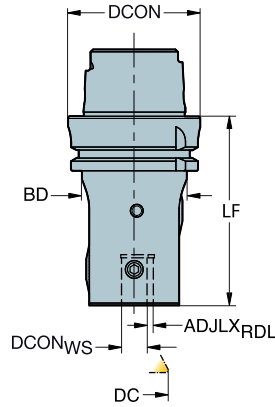
J  
K  
L  
M  
N  
O  
P  
Q

BORING Fine boring

# HSK to fine boring head adaptor

391.37B head with adjustable counterweight

Internal coolant supply



Dimensions, mm, inch

DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJLX <sub>RDL</sub>	LF	BD <sub>1</sub>	CP BarPSI	KG
3.0	26.0	63	12	1	392.41037B-6312090B	63.00	12.00	3.00	90.00	50.00	20	1.480
.118	1.024					2.480	.472	.118	3.543	1.969	290	

To be used with R429U/R429.90 boring bars



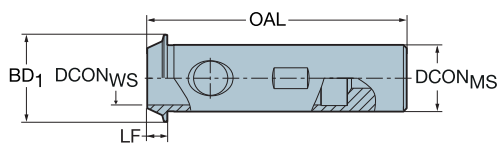
Q1



Q35



# Sleeve for fine boring head



				Dimensions, mm				
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	LF	OAL	BD <sub>1</sub>
20	16	1	393.37A-20 16 072	20.00	16.00	6.00	78	26.00
				.787	.629	.236	3.071	1.023

To be used with R429U/R429.90 boring bars





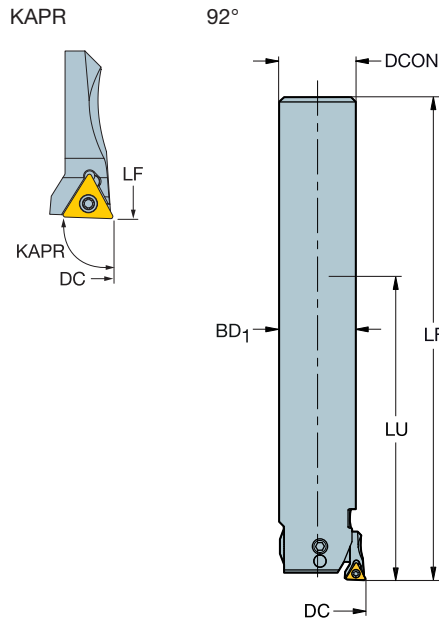
J  
K  
L  
M  
N  
O  
P  
Q





# CoroBore® 825 fine boring tool

Cylindrical shank - Internal coolant supply  
1 cutting edge

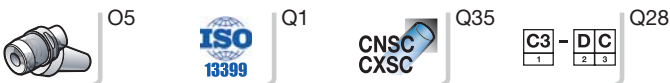


-  TCMT, TCMX, TCGT, TCGX, TCEX
-  TCMW



							Dimensions, mm, inch										
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LU	LF	BD <sub>1</sub>	CP Bar/PSI			CICT	MIID		
19.0 .748	23.0 .906	06	5/32	18	1	825-23TC06-A18	18.00 .709	77.00 3.032	128.00 5.039	18.00 .709	70 1015	0.6	0.270	1	TCMT 06 T1 02 TCMT 1.2(1.2)0		
23.0 .906	29.0 1.142	06	5/32	20	1	825-29TC06-A20	20.00 .787	81.00 3.189	132.00 5.197	20.00 .787	70 1015	0.6	0.380	1	TCMT 06 T1 02 TCMT 1.2(1.2)0		
28.0 1.102	36.0 1.417	06	5/32	25	1	825-36TC06-A25	25.00 .984	101.00 3.976	158.00 6.220	25.00 .984	70 1015	0.6	0.660	1	TCMT 06 T1 02 TCMT 1.2(1.2)0		

Diameters are valid when frontboring.  
For more information about backboring, see page M20  
For more information about use of slide extensions, see page M20

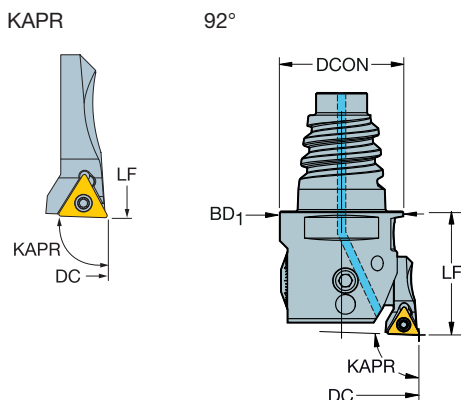


# CoroBore® 825 fine boring tool

Coromant EH coupling - Internal coolant supply  
1 cutting edge

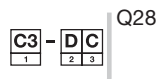


- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



							Dimensions, mm, inch							
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	BD <sub>1</sub>	CP Bar/PSI			CICT	MIID
19.0	23.0	06	5/32	E16	1	825-23TC06-EH16	15.50	25.00	18.00	70	0.6	0.070	1	TCMT 06 T1 02
.748	.906						.610	.984	.709	1015				TCMT 1.2(1.2)0
23.0	29.0	06	5/32	E20	1	825-29TC06-EH20	19.30	25.00	20.00	70	0.6	0.090	1	TCMT 06 T1 02
.906	1.142						.760	.984	.787	1015				TCMT 1.2(1.2)0
28.0	36.0	06	5/32	E25	1	825-36TC06-EH25	24.20	25.00	25.00	70	0.6	0.130	1	TCMT 06 T1 02
1.102	1.417						.953	.984	.984	1015				TCMT 1.2(1.2)0

Diameters are valid when frontboring.  
For more information about backboring, see page M20  
For more information about use of slide extensions, see page M20



# CoroBore® 825 fine boring tool

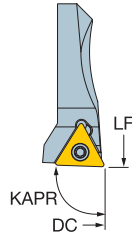
Coromant Capto® - Internal coolant supply

## 1 cutting edge

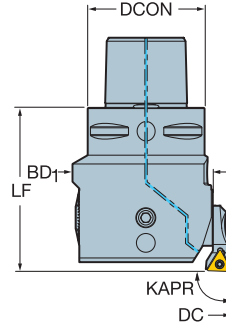


- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

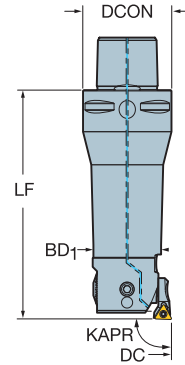
KAPR  
DSGN



92°  
1



92°  
2

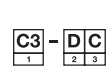


								Dimensions, mm, inch										
DCN	DCX			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID		
19.0 .748	23.0 .906	06	5/32	C3	1	2	825-23TC06-C3	32.00 1.260	3.00	89.00 3.504	18.00 .709	70	0.6	0.300	1	TCMT 06 T1 02 TCMT 1.2(1.2)0		
23.0 .906	29.0 1.142	06	5/32	C3	1	2	825-29TC06-C3	32.00 1.260	2.00	76.00 2.992	20.00 .787	70	0.6	0.320	1	TCMT 06 T1 02 TCMT 1.2(1.2)0		
23.0 .906	29.0 1.142	06	5/32	C4	1	2	825-29TC06-C4	40.00 1.575	2.00	85.00 3.346	20.00 .787	70	0.6	0.490	1	TCMT 06 T1 02 TCMT 1.2(1.2)0		
28.0 1.102	36.0 1.417	06	5/32	C3	1	2	825-36TC06-C3	32.00 1.260	2.00	83.00 3.268	25.00 .984	70	0.6	0.420	1	TCMT 06 T1 02 TCMT 1.2(1.2)0		
28.0 1.102	36.0 1.417	06	5/32	C4	1	2	825-36TC06-C4	40.00 1.575	2.00	95.00 3.740	25.00 .984	70	0.6	0.600	1	TCMT 06 T1 02 TCMT 1.2(1.2)0		
35.0 1.378	45.0 1.772	09	7/32	C3	1	1	825-45TC09-C3	32.00 1.260	1.50	48.00 1.890	32.00 1.260	70	0.8	0.320	1	TCMT 09 02 04 TCMT 1.8(1.5)1		
35.0 1.378	45.0 1.772	09	7/32	C4	1	2	825-45TC09-C4	40.00 1.575	1.50	83.00 3.268	32.00 1.260	70	0.8	0.650	1	TCMT 09 02 04 TCMT 1.8(1.5)1		
44.0 1.732	56.0 2.205	09	7/32	C4	1	1	825-56TC09-C4	40.00 1.575	1.50	56.00 2.205	40.00 1.575	70	0.8	0.570	1	TCMT 09 02 04 TCMT 1.8(1.5)1		
44.0 1.732	56.0 2.205	09	7/32	C5	1	2	825-56TC09-C5	50.00 1.969	1.50	98.00 3.858	40.00 1.575	70	0.8	1.180	1	TCMT 09 02 04 TCMT 1.8(1.5)1		
55.0 2.165	70.0 2.756	11	1/4	C5	1	1	825-70TC11-C5	50.00 1.969	1.50	66.00 2.598	50.00 1.969	70	0.9	1.060	1	TCMT 11 03 04 TCMT 221		
55.0 2.165	70.0 2.756	11	1/4	C6	1	2	825-70TC11-C6	63.00 2.480	1.50	120.00 4.724	50.00 1.969	70	0.9	2.350	1	TCMT 11 03 04 TCMT 221		

Diameters are valid when frontboring.

For more information about backboring, see page M20

For more information about use of slide extensions, see page M20



Q28

# CoroBore® 825 fine boring tool

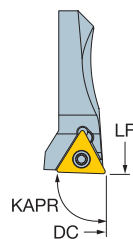
Coromant Capto® - Internal coolant supply

1 cutting edge

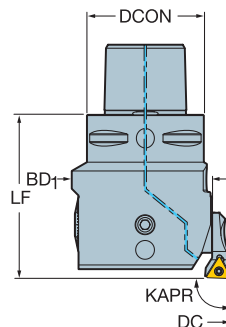


- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

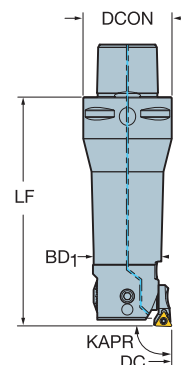
KAPR  
DSGN



92°  
1



92°  
2



										Dimensions, mm, inch							
DCN	DCX			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID	
69.0	87.0	11	1/4	C5	1	1	825-87TC11-C5	50.00	70.00	63.00	70	0.9	1.460	1	TCMT 11 03 04		
	2.717	3.425						1.969	2.756	2.480	1015				TCMT 221		
69.0	87.0	11	1/4	C6	1	1	825-87TC11-C6	63.00	78.00	63.00	70	0.9	1.860	1	TCMT 11 03 04		
	2.717	3.425						2.480	3.071	2.480	1015				TCMT 221		
86.0	107.0	11	1/4	C5	1	1	825-107TC11-C5	50.00	76.00	80.00	70	0.9	2.250	1	TCMT 11 03 04		
	3.386	4.213						1.969	2.992	3.150	1015				TCMT 221		
86.0	107.0	11	1/4	C6	1	1	825-107TC11-C6	63.00	90.00	80.00	70	0.9	2.700	1	TCMT 11 03 04		
	3.386	4.213						2.480	3.543	3.150	1015				TCMT 221		
106.0	137.0	11	1/4	C6	1	1	825-137TC11-C6	63.00	90.00	100.00	70	0.9	3.140	1	TCMT 11 03 04		
	4.173	5.394						2.480	3.543	3.937	1015				TCMT 221		
106.0	137.0	11	1/4	C8	1	1	825-137TC11-C8	80.00	100.00	100.00	70	0.9	4.330	1	TCMT 11 03 04		
	4.173	5.394						3.150	3.937	3.937	1015				TCMT 221		
136.0	167.0	11	1/4	C6	1	1	825-167TC11-C6	63.00	90.00	130.00	70	0.9	3.980	1	TCMT 11 03 04		
	5.354	6.575						2.480	3.543	5.118	1015				TCMT 221		
136.0	167.0	11	1/4	C8	1	1	825-167TC11-C8	80.00	100.00	130.00	70	0.9	5.080	1	TCMT 11 03 04		
	5.354	6.575						3.150	3.937	5.118	1015				TCMT 221		

Diameters are valid when frontboring.  
 For more information about backboring, see page M20  
 For more information about use of slide extensions, see page M20



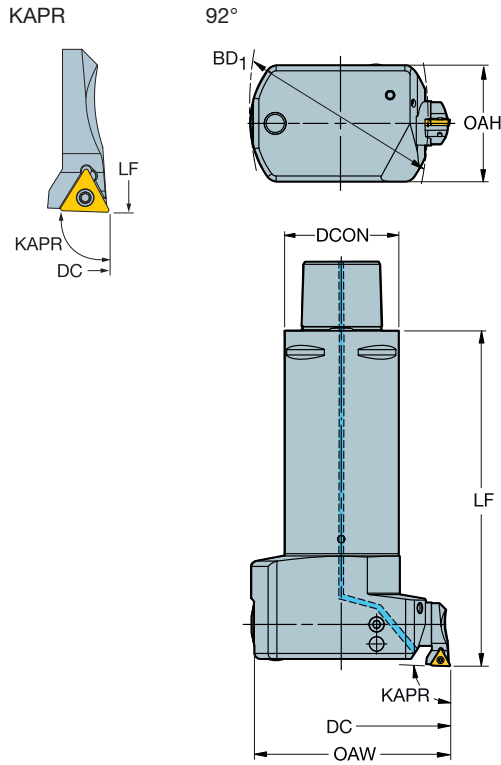
# CoroBore® 825 lightweight fine boring tool

Coromant Capto® - Internal coolant supply

## 1 cutting edge



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

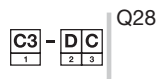


							Dimensions, mm, inch								
DCN	DCX		IC	CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPsi	Nm	Kg	CICT	MIID
69.0	87.0	11	1/4	C5	1	825L-87TC11-C5	50.00	150.00	51.00	63.00	70	0.9	1.460	1	TCMT 11 03 04
2.717	3.425						1.969	5.906	2.008	2.480	1015				TCMT 221
86.0	107.0	11	1/4	C5	1	825L-107TC11-C5	50.00	156.00	51.00	80.00	70	0.9	1.600	1	TCMT 11 03 04
3.386	4.213						1.969	6.142	2.008	3.150	1015				TCMT 221
106.0	137.0	11	1/4	C6	1	825L-137TC11-C6	63.00	190.00	64.00	100.00	70	0.9	2.980	1	TCMT 11 03 04
4.173	5.394						2.480	7.480	2.520	3.937	1015				TCMT 221
106.0	137.0	11	1/4	C8	1	825L-137TC11-C8	80.00	200.00	80.00	100.00	70	0.9	3.870	1	TCMT 11 03 04
4.173	5.394						3.150	7.874	3.150	3.937	1015				TCMT 221
136.0	167.0	11	1/4	C6	1	825L-167TC11-C6	63.00	190.00	64.00	130.00	70	0.9	3.190	1	TCMT 11 03 04
5.354	6.575						2.480	7.480	2.520	5.118	1015				TCMT 221
136.0	167.0	11	1/4	C8	1	825L-167TC11-C8	80.00	200.00	80.00	130.00	70	0.9	4.080	1	TCMT 11 03 04
5.354	6.575						3.150	7.874	3.150	5.118	1015				TCMT 221

Diameters are valid when frontboring.

For more information about backboring, see page M20

For more information about use of slide extensions, see page M20



# CoroBore® 825 dampened fine boring tool

Coromant Capto® - Internal coolant supply

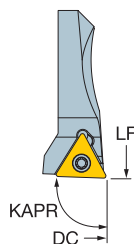
1 cutting edge



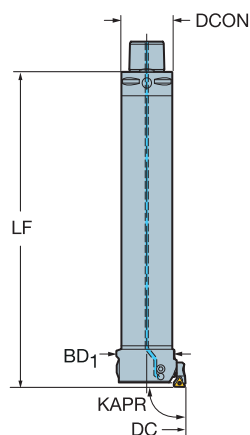
- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

●●● SilentTools®

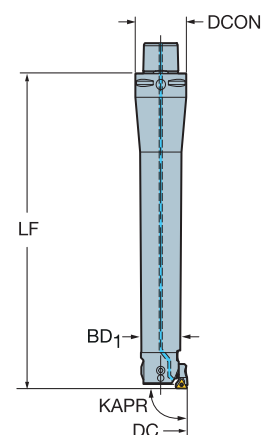
KAPR  
DSGN



92°  
1



92°  
2



							Dimensions, mm, inch										
DCN	DCX			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD <sub>1</sub>	CP BarPsi			CICT	MIID	
23.0 .906	29.0 1.142	06	5/32	C3	1	2	825D-29TC06-C3	32.00 1.260	6.00 7.559	192.00 8.27	21.00 .827	70 1015	0.6	0.620	1	TCMT 06 T1 02 TCMT 1.2(1.2)0	
28.0 1.102	36.0 1.417	06	5/32	C3	1	2	825D-36TC06-C3	32.00 1.260	6.00 8.622	219.00 1.024	26.00 1015	70 1015	0.6	1.120	1	TCMT 06 T1 02 TCMT 1.2(1.2)0	
35.0 1.378	45.0 1.772	09	7/32	C4	1	2	825D-45TC09-C4	40.00 1.575	6.00 10.709	272.00 1.299	33.00 1015	70 1015	0.8	2.220	1	TCMT 09 02 04 TCMT 1.8(1.5)1	
44.0 1.732	56.0 2.205	09	7/32	C5	1	2	825D-56TC09-C5	50.00 1.969	6.00 13.071	332.00 1.654	42.00 1015	70 1015	0.8	4.120	1	TCMT 09 02 04 TCMT 1.8(1.5)1	
55.0 2.165	70.0 2.756	11	1/4	C5	1	1	825D-70TC11-C5	50.00 1.969	5.00 10.236	260.00 1.969	50.00 1015	70 1015	0.9	3.940	1	TCMT 11 03 04 TCMT 221	
55.0 2.165	70.0 2.756	11	1/4	C6	1	2	825D-70TC11-C6	63.00 2.480	6.00 16.221	412.00 1.969	50.00 1015	70 1015	0.9	7.040	1	TCMT 11 03 04 TCMT 221	
69.0 2.717	87.0 3.425	11	1/4	C6	1	1	825D-87TC11-C6	63.00 2.480	5.00 12.992	330.00 2.480	63.00 1015	70 1015	0.9	8.040	1	TCMT 11 03 04 TCMT 221	
69.0 2.717	87.0 3.425	11	1/4	C8	1	2	825D-87TC11-C8	80.00 3.150	6.00 20.551	522.00 2.480	63.00 1015	70 1015	0.9	14.540	1	TCMT 11 03 04 TCMT 221	
86.0 3.386	107.0 4.213	11	1/4	C6	1	1	825D-107TC11-C6	63.00 2.480	4.00 12.992	330.00 3.150	80.00 1015	70 1015	0.9	7.440	1	TCMT 11 03 04 TCMT 221	
86.0 3.386	107.0 4.213	11	1/4	C8	1	1	825D-107TC11-C8	80.00 3.150	4.00 15.748	400.00 3.150	80.00 1015	70 1015	0.9	14.640	1	TCMT 11 03 04 TCMT 221	
106.0 4.173	137.0 5.394	11	1/4	C6	1	1	825D-137TC11-C6	63.00 2.480	3.00 12.992	330.00 3.937	100.00 1015	70 1015	0.9	7.740	1	TCMT 11 03 04 TCMT 221	
106.0 4.173	137.0 5.394	11	1/4	C8	1	1	825D-137TC11-C8	80.00 3.150	3.00 15.748	400.00 3.937	100.00 1015	70 1015	0.9	15.040	1	TCMT 11 03 04 TCMT 221	
136.0 5.354	167.0 6.575	11	1/4	C6	1	1	825D-167TC11-C6	63.00 2.480	2.50 12.992	330.00 5.118	130.00 1015	70 1015	0.9	7.940	1	TCMT 11 03 04 TCMT 221	
136.0 5.354	167.0 6.575	11	1/4	C8	1	1	825D-167TC11-C8	80.00 3.150	2.50 15.748	400.00 5.118	130.00 1015	70 1015	0.9	15.640	1	TCMT 11 03 04 TCMT 221	

Diameters are valid when frontboring.

For more information about backboring, see page M20

For more information about use of slide extensions, see page M20



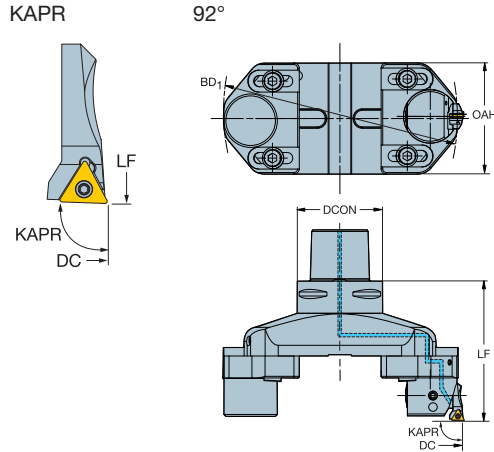
# CoroBore® 825 XL fine boring tool

Coromant Capto® - Internal coolant supply

## 1 cutting edge

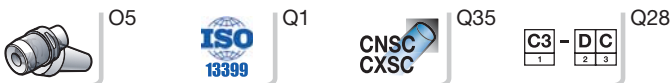


- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



							Dimensions, mm, inch											
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPsi			CICT	MIID			
148.0	215.0	11	1/4	C6	1	825-215TC11-C6	63.00	118.00	104.00	145.00	70	0.9	3.670	1	TCMT 11 03 04			
5.827	8.465						2.480	4.646	4.094	5.709	1015				TCMT 221			
148.0	215.0	11	1/4	C8	1	825-215TC11-C8	80.00	130.00	104.00	145.00	70	0.9	6.620	1	TCMT 11 03 04			
5.827	8.465						3.150	5.118	4.094	5.709	1015				TCMT 221			
148.0	215.0	11	1/4	C10	1	825-215TC11-C10	100.00	136.00	104.00	145.00	70	0.9	8.530	1	TCMT 11 03 04			
5.827	8.465						3.937	5.354	4.094	5.709	1015				TCMT 221			
198.0	265.0	11	1/4	C6	1	825-265TC11-C6	63.00	118.00	104.00	195.00	70	0.9	4.030	1	TCMT 11 03 04			
7.795	10.433						2.480	4.646	4.094	7.677	1015				TCMT 221			
198.0	265.0	11	1/4	C8	1	825-265TC11-C8	80.00	130.00	104.00	195.00	70	0.9	7.850	1	TCMT 11 03 04			
7.795	10.433						3.150	5.118	4.094	7.677	1015				TCMT 221			
198.0	265.0	11	1/4	C10	1	825-265TC11-C10	100.00	136.00	104.00	195.00	70	0.9	9.790	1	TCMT 11 03 04			
7.795	10.433						3.937	5.354	4.094	7.677	1015				TCMT 221			
248.0	315.0	11	1/4	C6	1	825-315TC11-C6	63.00	118.00	104.00	245.00	70	0.9	4.390	1	TCMT 11 03 04			
9.764	12.402						2.480	4.646	4.094	9.646	1015				TCMT 221			
248.0	315.0	11	1/4	C8	1	825-315TC11-C8	80.00	130.00	104.00	245.00	70	0.9	9.050	1	TCMT 11 03 04			
9.764	12.402						3.150	5.118	4.094	9.646	1015				TCMT 221			
248.0	315.0	11	1/4	C10	1	825-315TC11-C10	100.00	136.00	104.00	245.00	70	0.9	11.100	1	TCMT 11 03 04			
9.764	12.402						3.937	5.354	4.094	9.646	1015				TCMT 221			

Diameters are valid when frontboring.  
 For more information about external boring, see page M21  
 For more information about backboring, see page M20  
 For more information about use of slide extensions, see page M20





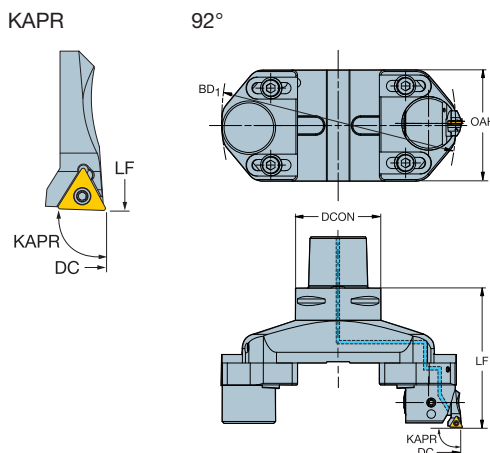
# CoroBore® 826 XL fine boring tool

Coromant Capto® - Internal coolant supply

1 cutting edge



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



							Dimensions, mm, inch											
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPsi			CICT	MIID			
148.0	200.0	11	1/4	C6	1	826-200TC11-C6	63.00	118.00	104.00	145.00	70	0.9	3.670	1	TCMT 11 03 04			
5.827	7.874						2.480	4.646	4.094	5.709	1015				TCMT 221			
148.0	200.0	11	1/4	C8	1	826-200TC11-C8	80.00	130.00	104.00	145.00	70	0.9	6.620	1	TCMT 11 03 04			
5.827	7.874						3.150	5.118	4.094	5.709	1015				TCMT 221			
148.0	200.0	11	1/4	C10	1	826-200TC11-C10	100.00	136.00	104.00	145.00	70	0.9	8.530	1	TCMT 11 03 04			
5.827	7.874						3.937	5.354	4.094	5.709	1015				TCMT 221			
198.0	250.0	11	1/4	C6	1	826-250TC11-C6	63.00	118.00	104.00	195.00	70	0.9	4.030	1	TCMT 11 03 04			
7.795	9.843						2.480	4.646	4.094	7.677	1015				TCMT 221			
198.0	250.0	11	1/4	C8	1	826-250TC11-C8	80.00	130.00	104.00	195.00	70	0.9	7.850	1	TCMT 11 03 04			
7.795	9.843						3.150	5.118	4.094	7.677	1015				TCMT 221			
198.0	250.0	11	1/4	C10	1	826-250TC11-C10	100.00	136.00	104.00	195.00	70	0.9	9.790	1	TCMT 11 03 04			
7.795	9.843						3.937	5.354	4.094	7.677	1015				TCMT 221			
248.0	300.0	11	1/4	C6	1	826-300TC11-C6	63.00	118.00	104.00	245.00	70	0.9	4.390	1	TCMT 11 03 04			
9.764	11.811						2.480	4.646	4.094	9.646	1015				TCMT 221			
248.0	300.0	11	1/4	C8	1	826-300TC11-C8	80.00	130.00	104.00	245.00	70	0.9	9.050	1	TCMT 11 03 04			
9.764	11.811						3.150	5.118	4.094	9.646	1015				TCMT 221			
248.0	300.0	11	1/4	C10	1	826-300TC11-C10	100.00	136.00	104.00	245.00	70	0.9	11.100	1	TCMT 11 03 04			
9.764	11.811						3.937	5.354	4.094	9.646	1015				TCMT 221			

Diameters are valid when frontboring.  
 Backboring is not recommended with CoroBore® 826  
 For more information about use of slide extensions, see page M20  
 For more information about external boring, see page M21



O5



Q1



Q35





Q28



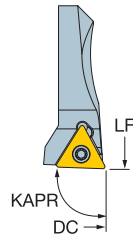
# CoroBore® 825 XL lightweight fine boring tool

Arbor - Internal coolant supply  
1 cutting edge

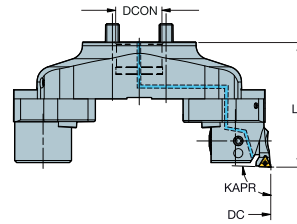
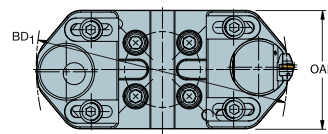


-  TCMT, TCMX, TCGT, TCGX, TCEX
-  TCMW





KAPR



92°



N





							Dimensions, mm, inch										
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP Bar/PSI			CICT	MIID		
148.0	215.0	11	1/4	40S	1	825L-215TC11	40.00	110.00	104.00	145.00	70	0.9	3.180	1	TCMT 11 03 04 TCMT 221		
5.827	8.465						1.575	4.331	4.094	5.709	1015						
198.0	265.0	11	1/4	40S	1	825L-265TC11	40.00	110.00	104.00	195.00	70	0.9	3.710	1	TCMT 11 03 04 TCMT 221		
7.795	10.433						1.575	4.331	4.094	7.677	1015						
248.0	315.0	11	1/4	40S	1	825L-315TC11	40.00	110.00	104.00	245.00	70	0.9	4.190	1	TCMT 11 03 04 TCMT 221		
9.764	12.402						1.575	4.331	4.094	9.646	1015						

O

Use with 40S facemill holders, example C8-391.05-40 060M. To be ordered separately.  
 Diameters are valid when frontboring.  
 For more information about backboring, see page M20  
 For more information about use of slide extensions, see page M20  
 For more information about external boring, see page M21

P

Q

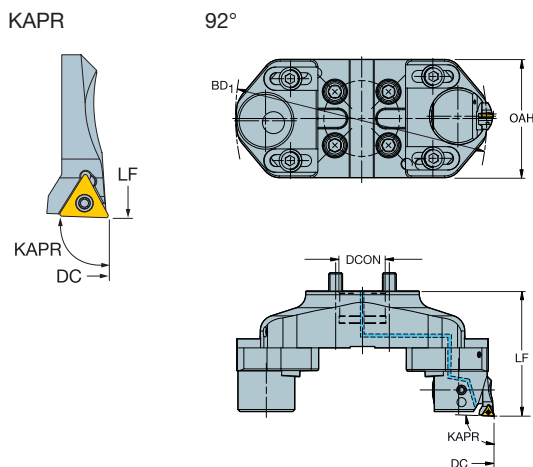
 O5    
  Q1    
  Q35    
  Q28

# CoroBore® 826 XL lightweight fine boring tool

Arbor - Internal coolant supply  
1 cutting edge

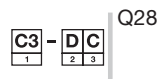


- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPSI	Nm	Kg	CICT	MIID
148.0	200.0	11	1/4	40S	1	826L-200TC11	40.00	110.00	104.00	145.00	70	0.9	3.180	1	TCMT 11 03 04 TCMT 221
	5.827	7.874					1.575	4.331	4.094	5.709	1015				
198.0	250.0	11	1/4	40S	1	826L-250TC11	40.00	110.00	104.00	195.00	70	0.9	3.710	1	TCMT 11 03 04 TCMT 221
	7.795	9.843					1.575	4.331	4.094	7.677	1015				
248.0	300.0	11	1/4	40S	1	826L-300TC11	40.00	110.00	104.00	245.00	70	0.9	4.190	1	TCMT 11 03 04 TCMT 221
	9.764	11.811					1.575	4.331	4.094	9.646	1015				

Use with 40S facemill holders, example C8-391.05-40 060M. To be ordered separately.  
Backboring is not recommended with CoroBore® 826  
For more information about external boring, see page M21  
For more information about use of slide extensions, see page M20  
Diameters are valid when frontboring.



Q28



# CoroBore® 825 XL lightweight fine boring tool

Coromant Capto® - Internal coolant supply

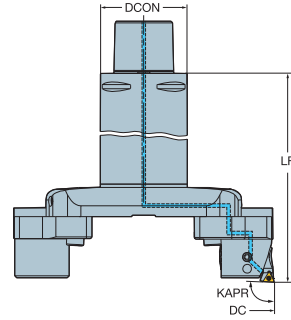
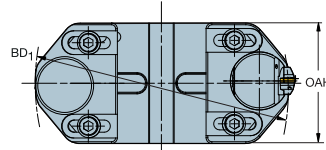
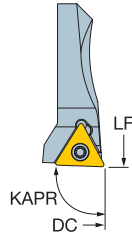
1 cutting edge



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

KAPR

92°



N

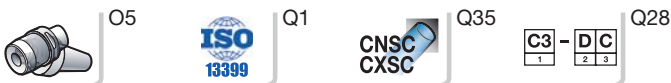
							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP Bar/PSI			CICT	MIID
148.0	215.0	11	1/4	C8	1	825L-215TC11-C8	80.00	230.00	104.00	145.00	70	0.9	6.130	1	TCMT 11 03 04 TCMT 221
5.827	8.465						3.150	9.055	4.094	5.709	1015				
198.0	265.0	11	1/4	C8	1	825L-265TC11-C8	80.00	230.00	104.00	195.00	70	0.9	6.500	1	TCMT 11 03 04 TCMT 221
7.795	10.433						3.150	9.055	4.094	7.677	1015				
248.0	315.0	11	1/4	C8	1	825L-315TC11-C8	80.00	230.00	104.00	245.00	70	0.9	6.860	1	TCMT 11 03 04 TCMT 221
9.764	12.402						3.150	9.055	4.094	9.646	1015				

O

Diameters are valid when frontboring.  
 For more information about external boring, see page M21  
 For more information about backboring, see page M20  
 For more information about use of slide extensions, see page M20

P

Q



# CoroBore® 826 XL lightweight fine boring tool

Coromant Capto® - Internal coolant supply

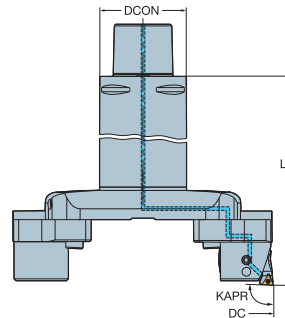
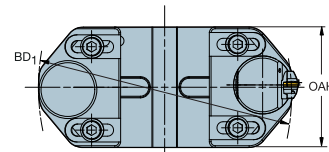
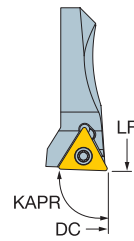
1 cutting edge



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

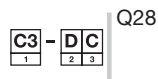
KAPR

92°



							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPsi	Nm	Kg	CICT	MIID
148.0	200.0	11	1/4	C8	1	826L-200TC11-C8	80.00	230.00	104.00	145.00	70	0.9	6.130	1	TCMT 11 03 04 TCMT 221
	5.827	7.874					3.150	9.055	4.094	5.709	1015				
198.0	250.0	11	1/4	C8	1	826L-250TC11-C8	80.00	230.00	104.00	195.00	70	0.9	6.500	1	TCMT 11 03 04 TCMT 221
	7.795	9.843					3.150	9.055	4.094	7.677	1015				
248.0	300.0	11	1/4	C8	1	826L-300TC11-C8	80.00	230.00	104.00	245.00	70	0.9	6.860	1	TCMT 11 03 04 TCMT 221
	9.764	11.811					3.150	9.055	4.094	9.646	1015				

Backboring is not recommended with CoroBore® 826  
 For more information about external boring, see page M21  
 For more information about use of slide extensions, see page M20  
 Diameters are valid when frontboring.



Q28

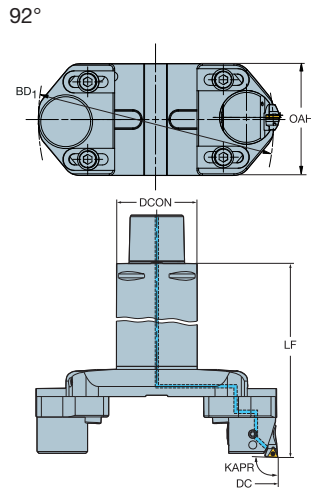
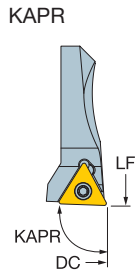
# CoroBore® 825 XL dampened fine boring tool

Coromant Capto® - Internal coolant supply

## 1 cutting edge



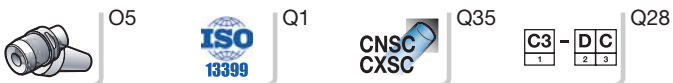
●●● SilentTools®



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

							Dimensions, mm, inch											
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPSI			CICT	MIID			
150.0	215.0	11	1/4	C8	1	825D-215TC11-C8	80.00	400.00	104.00	147.00	70	0.9	14.000	1	TCMT 11 03 04			
<i>5.906</i>	<i>8.465</i>						<i>3.150</i>	<i>15.748</i>	<i>4.094</i>	<i>5.787</i>	<i>1015</i>				<i>TCMT 221</i>			
200.0	265.0	11	1/4	C8	1	825D-265TC11-C8	80.00	400.00	104.00	197.00	70	0.9	14.300	1	TCMT 11 03 04			
<i>7.874</i>	<i>10.433</i>						<i>3.150</i>	<i>15.748</i>	<i>4.094</i>	<i>7.756</i>	<i>1015</i>				<i>TCMT 221</i>			
250.0	315.0	11	1/4	C8	1	825D-315TC11-C8	80.00	400.00	104.00	247.00	70	0.9	14.700	1	TCMT 11 03 04			
<i>9.843</i>	<i>12.402</i>						<i>3.150</i>	<i>15.748</i>	<i>4.094</i>	<i>9.724</i>	<i>1015</i>				<i>TCMT 221</i>			

Diameters are valid when frontboring.  
 For more information about external boring, see page M21  
 For more information about backboring, see page M20  
 For more information about use of slide extensions, see page M20



# CoroBore® 826 XL dampened fine boring tool

Coromant Capto® - Internal coolant supply

1 cutting edge

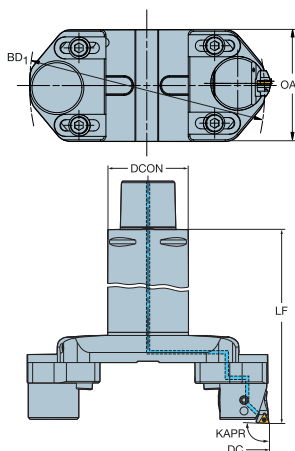
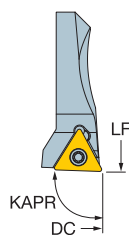
●●● SilentTools®



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

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							Dimensions, mm, inch											
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPsi			CICT	MIID			
150.0	200.0	11	1/4	C8	1	826D-200TC11-C8	80.00	400.00	104.00	147.00	70	0.9	14.000	1	TCMT 11 03 04			
5.906	7.874						3.150	15.748	4.094	5.787	1015				TCMT 221			
200.0	250.0	11	1/4	C8	1	826D-250TC11-C8	80.00	400.00	104.00	197.00	70	0.9	14.300	1	TCMT 11 03 04			
7.874	9.843						3.150	15.748	4.094	7.756	1015				TCMT 221			
250.0	300.0	11	1/4	C8	1	826D-300TC11-C8	80.00	400.00	104.00	247.00	70	0.9	14.700	1	TCMT 11 03 04			
9.843	11.811						3.150	15.748	4.094	9.724	1015				TCMT 221			

Use with 40S facemill holders, example C8-391.05-40 060M. To be ordered separately.

Backboring is not recommended with CoroBore® 826

For more information about external boring, see page M21

For more information about use of slide extensions, see page M20

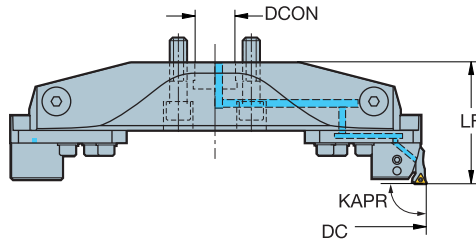
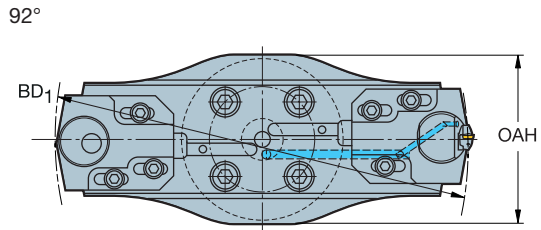
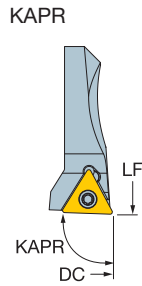
Diameters are valid when frontboring.



# CoroBore® 825 XL fine boring tool

Arbor - Internal coolant supply

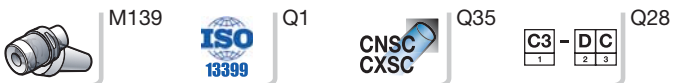
1 cutting edge



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

							Dimensions, mm, inch									
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPsi			CICT	MIID	
298.0	395.0	11	1/4	40X	1	825-395TC11	40.00	114.00	164.00	295.00	70	0.9	9.500	1	TCMT 11 03 04	
<i>11.732</i>	<i>15.551</i>						<i>1.575</i>	<i>4.488</i>	<i>6.457</i>	<i>11.614</i>	<i>1015</i>				<i>TCMT 221</i>	
378.0	475.0	11	1/4	40X	1	825-475TC11	40.00	119.00	164.00	375.00	70	0.9	11.260	1	TCMT 11 03 04	
<i>14.882</i>	<i>18.701</i>						<i>1.575</i>	<i>4.685</i>	<i>6.457</i>	<i>14.764</i>	<i>1015</i>				<i>TCMT 221</i>	
458.0	555.0	11	1/4	40X	1	825-555TC11	40.00	124.00	164.00	455.00	70	0.9	13.190	1	TCMT 11 03 04	
<i>18.032</i>	<i>21.850</i>						<i>1.575</i>	<i>4.882</i>	<i>6.457</i>	<i>17.913</i>	<i>1015</i>				<i>TCMT 221</i>	

Diameters are valid when frontboring.  
 For more information about external boring, see page M21  
 For more information about backboring, see page M20  
 For more information about use of slide extensions, see page M20





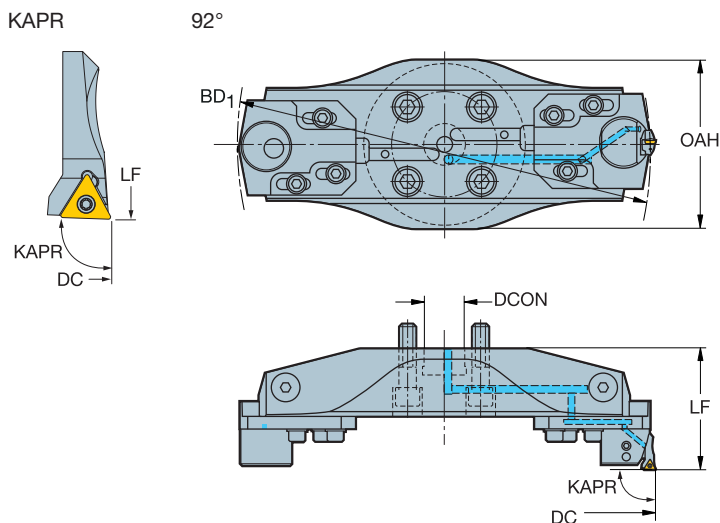
# CoroBore® 826 XL fine boring tool

Arbor - Internal coolant supply

1 cutting edge



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPsi	Nm	Kg	CICT	MIID
298.0	380.0	11	1/4	40X	1	<b>826-380TC11</b>	40.00	114.00	164.00	295.00	70	0.9	9.500	1	TCMT 11 03 04
<i>11.732</i>	<i>14.961</i>						<i>1.575</i>	<i>4.488</i>	<i>6.457</i>	<i>11.614</i>	<i>1015</i>				<i>TCMT 221</i>
378.0	460.0	11	1/4	40X	1	<b>826-460TC11</b>	40.00	119.00	164.00	375.00	70	0.9	11.260	1	TCMT 11 03 04
<i>14.882</i>	<i>18.110</i>						<i>1.575</i>	<i>4.685</i>	<i>6.457</i>	<i>14.764</i>	<i>1015</i>				<i>TCMT 221</i>
458.0	540.0	11	1/4	40X	1	<b>826-540TC11</b>	40.00	124.00	164.00	455.00	70	0.9	13.190	1	TCMT 11 03 04
<i>18.032</i>	<i>21.260</i>						<i>1.575</i>	<i>4.882</i>	<i>6.457</i>	<i>17.913</i>	<i>1015</i>				<i>TCMT 221</i>

Backboring is not recommended with CoroBore® 826  
 For more information about external boring, see page M21  
 For more information about use of slide extensions, see page M20  
 Diameters are valid when frontboring.



M139



Q1



Q35

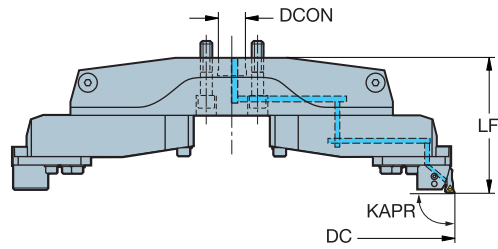
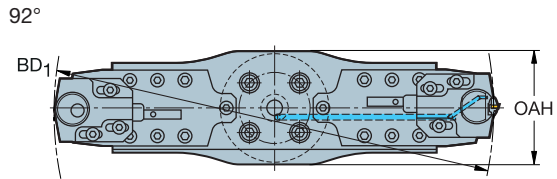
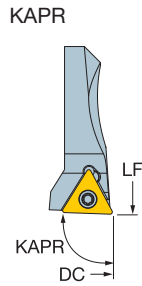


Q28

# CoroBore® 825 XL fine boring tool

Arbor with bridge extension - Internal coolant supply

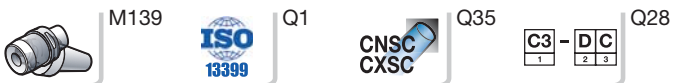
## 1 cutting edge



- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW

							Dimensions, mm, inch									
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPsi			CICT	MIID	
538.0	795.0	11	1/4	40X	1	825-795TC11	40.00	198.00	164.00	535.00	70	0.9	25.640	1	TCMT 11 03 04	
<i>21.181</i>	<i>31.299</i>						<i>1.575</i>	<i>7.795</i>	<i>6.457</i>	<i>21.063</i>	<i>1015</i>				<i>TCMT 221</i>	
778.0	1035.0	11	1/4	40X	1	825-1035TC11	40.00	218.00	164.00	775.00	70	0.9	36.830	1	TCMT 11 03 04	
<i>30.630</i>	<i>40.748</i>						<i>1.575</i>	<i>8.583</i>	<i>6.457</i>	<i>30.512</i>	<i>1015</i>				<i>TCMT 221</i>	
1018.0	1275.0	11	1/4	40X	1	825-1275TC11	40.00	218.00	164.00	1015.00	70	0.9	44.260	1	TCMT 11 03 04	
<i>40.079</i>	<i>50.197</i>						<i>1.575</i>	<i>8.583</i>	<i>6.457</i>	<i>39.961</i>	<i>1015</i>				<i>TCMT 221</i>	

Diameters are valid when frontboring.  
 For more information about external boring, see page M21  
 For more information about backboring, see page M20  
 For more information about use of slide extensions, see page M20



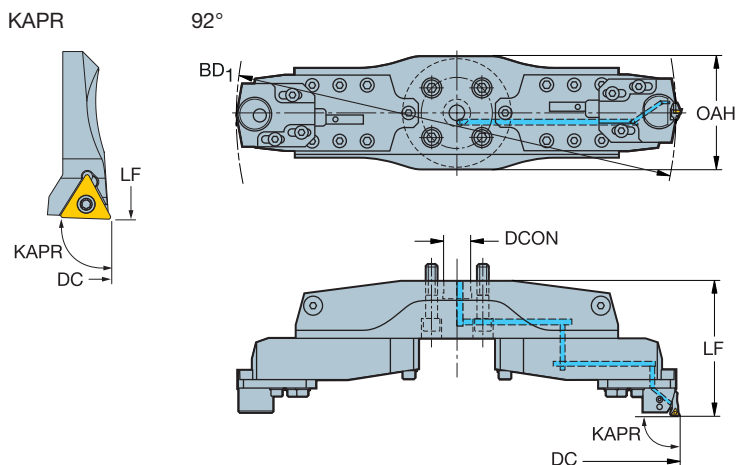
# CoroBore® 826 XL fine boring tool

Arbor with bridge extension - Internal coolant supply

1 cutting edge

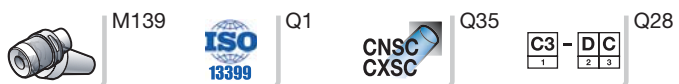


- TCMT, TCMX, TCGT, TCGX, TCEX
- TCMW



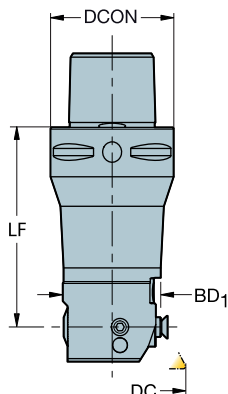
							Dimensions, mm, inch								
DCN	DCX			CZC <sub>MS</sub>	CNSC	Ordering code	DCON	LF	OAH	BD <sub>1</sub>	CP BarPsi			CICT	MIID
538.0	780.0	11	1/4	40X	1	826-780TC11	40.00	198.00	164.00	535.00	70	0.9	25.640	1	TCMT 11 03 04
<i>21.181</i>	<i>30.709</i>						<i>1.575</i>	<i>7.795</i>	<i>6.457</i>	<i>21.063</i>	<i>1015</i>				TCMT 221
778.0	1020.0	11	1/4	40X	1	826-1020TC11	40.00	218.00	164.00	775.00	70	0.9	36.830	1	TCMT 11 03 04
<i>30.630</i>	<i>40.158</i>						<i>1.575</i>	<i>8.583</i>	<i>6.457</i>	<i>30.512</i>	<i>1015</i>				TCMT 221
1018.0	1260.0	11	1/4	40X	1	826-1260TC11	40.00	218.00	164.00	1015.00	70	0.9	44.260	1	TCMT 11 03 04
<i>40.079</i>	<i>49.606</i>						<i>1.575</i>	<i>8.583</i>	<i>6.457</i>	<i>39.961</i>	<i>1015</i>				TCMT 221

Backboring is not recommended with CoroBore® 826  
 For more information about external boring, see page M21  
 For more information about use of slide extensions, see page M20  
 Diameters are valid when frontboring.



# Coromant Capto® to CoroBore® 825 tool body

Internal coolant supply



					Dimensions, mm, inch									
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJL <sub>X<sub>RDL</sub></sub>	LF	WF	BD <sub>1</sub>	CP Bar/PSI	Nm	Kg	
19.0	23.0	C3	A	1	C3-R825A-AA18055A	32.00	2.00	55.00	9.50	18.00	70	1.2	0.210	
.748	.906					1.260	.079	2.165	.374	.709	1015			
19.0	23.0	C3	A	1	C3-R825A-AA18078A	32.00	2.00	78.00	9.50	18.00	70	1.2	0.260	
.748	.906					1.260	.079	3.071	.374	.709	1015			
23.0	29.0	C3	A	1	C3-R825A-AAA065A	32.00	3.00	65.00	11.50	20.00	70	1.2	0.280	
.906	1.142					1.260	.118	2.559	.453	.787	1015			
23.0	29.0	C3	A	1	C3-R825A-AAA094A	32.00	3.00	94.00	11.50	20.00	70	1.2	0.350	
.906	1.142					1.260	.118	3.701	.453	.787	1015			
28.0	36.0	C3	A	1	C3-R825A-AAB072A	32.00	4.00	72.00	14.00	25.00	70	1.2	0.380	
1.102	1.417					1.260	.157	2.835	.551	.984	1015			
28.0	36.0	C3	A	1	C3-R825A-AAB106A	32.00	4.00	106.00	14.00	25.00	70	1.2	0.510	
1.102	1.417					1.260	.157	4.173	.551	.984	1015			
35.0	45.0	C3	B	1	C3-R825B-AAC031A	32.00	5.00	31.00	17.50	32.00	70	3.1	0.280	
1.378	1.772					1.260	.197	1.220	.689	1.260	1015			
23.0	29.0	C4	A	1	C4-R825A-AAA074A	40.00	3.00	74.00	11.50	20.00	70	1.2	0.450	
.906	1.142					1.575	.118	2.913	.453	.787	1015			
23.0	29.0	C4	A	1	C4-R825A-AAA103A	40.00	3.00	103.00	11.50	20.00	70	1.2	0.520	
.906	1.142					1.575	.118	4.055	.453	.787	1015			
28.0	36.0	C4	A	1	C4-R825A-AAB084A	40.00	4.00	84.00	14.00	25.00	70	1.2	0.560	
1.102	1.417					1.575	.157	3.307	.551	.984	1015			
28.0	36.0	C4	A	1	C4-R825A-AAB120A	40.00	4.00	120.00	14.00	25.00	70	1.2	0.710	
1.102	1.417					1.575	.157	4.724	.551	.984	1015			
35.0	45.0	C4	B	1	C4-R825B-AAC066A	40.00	5.00	66.00	17.50	32.00	70	3.1	0.610	
1.378	1.772					1.575	.197	2.598	.689	1.260	1015			
44.0	56.0	C4	B	1	C4-R825B-AAD039A	40.00	6.00	39.00	22.00	40.00	70	3.1	0.530	
1.732	2.205					1.575	.236	1.535	.866	1.575	1015			
44.0	56.0	C5	B	1	C5-R825B-AAD081A	50.00	6.00	81.00	22.00	40.00	70	3.1	1.140	
1.732	2.205					1.969	.236	3.189	.866	1.575	1015			
55.0	70.0	C5	C	1	C5-R825C-AAE043A	50.00	7.50	43.00	27.50	50.00	70	5.8	0.980	
2.165	2.756					1.969	.295	1.693	1.083	1.969	1015			



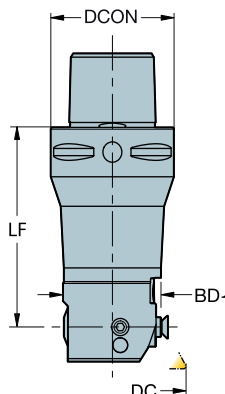
Q1



Q35

# Coromant Capto® to CoroBore® 825 tool body

Internal coolant supply



					Dimensions, mm, inch								
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>RDL</sub>	LF	WF	BD <sub>1</sub>	CP BarPSI	Nm	Kg
69.0	87.0	C5	C	1	C5-R825C-AAF047A	50.00	9.00	47.00	34.50	63.00	70	5.8	1.380
<i>2.717</i>	<i>3.425</i>					<i>1.969</i>	<i>.354</i>	<i>1.850</i>	<i>1.358</i>	<i>2.480</i>	<i>1015</i>		
86.0	107.0	C5	C	1	C5-R825C-AAG053A	50.00	10.50	53.00	43.00	80.00	70	5.8	2.170
<i>3.386</i>	<i>4.213</i>					<i>1.969</i>	<i>.413</i>	<i>2.087</i>	<i>1.693</i>	<i>3.150</i>	<i>1015</i>		
55.0	70.0	C6	C	1	C6-R825C-AAE097A	63.00	7.50	97.00	27.50	50.00	70	5.8	2.270
<i>2.165</i>	<i>2.756</i>					<i>2.480</i>	<i>.295</i>	<i>3.819</i>	<i>1.083</i>	<i>1.969</i>	<i>1015</i>		
69.0	87.0	C6	C	1	C6-R825C-AAF055A	63.00	9.00	74.00	34.50	63.00	70	5.8	1.870
<i>2.717</i>	<i>3.425</i>					<i>2.480</i>	<i>.354</i>	<i>2.913</i>	<i>1.358</i>	<i>2.480</i>	<i>1015</i>		
86.0	107.0	C6	C	1	C6-R825C-AAG067A	63.00	10.50	67.00	43.00	80.00	70	5.8	2.620
<i>3.386</i>	<i>4.213</i>					<i>2.480</i>	<i>.413</i>	<i>2.638</i>	<i>1.693</i>	<i>3.150</i>	<i>1015</i>		
106.0	137.0	C6	C	1	C6-R825C-AAH067A	63.00	15.50	67.00	53.00	100.00	70	5.8	3.060
<i>4.173</i>	<i>5.394</i>					<i>2.480</i>	<i>.610</i>	<i>2.638</i>	<i>2.087</i>	<i>3.937</i>	<i>1015</i>		
136.0	167.0	C6	C	1	C6-R825C-AAI067A	63.00	15.50	67.00	68.00	130.00	70	5.8	3.900
<i>5.354</i>	<i>6.575</i>					<i>2.480</i>	<i>.610</i>	<i>2.638</i>	<i>2.677</i>	<i>5.118</i>	<i>1015</i>		
106.0	137.0	C8	C	1	C8-R825C-AAH077A	80.00	15.50	77.00	53.00	100.00	70	5.8	4.250
<i>4.173</i>	<i>5.394</i>					<i>3.150</i>	<i>.610</i>	<i>3.032</i>	<i>2.087</i>	<i>3.937</i>	<i>1015</i>		
136.0	167.0	C8	C	1	C8-R825C-AAI077A	80.00	15.50	77.00	68.00	130.00	70	5.8	5.000
<i>5.354</i>	<i>6.575</i>					<i>3.150</i>	<i>.610</i>	<i>3.032</i>	<i>2.677</i>	<i>5.118</i>	<i>1015</i>		



Q1

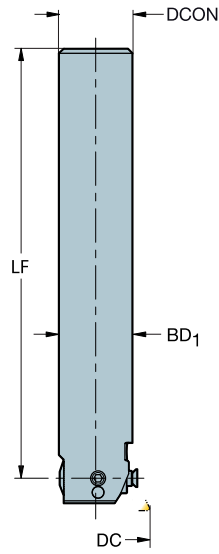


Q35



# Cylindrical shank to CoroBore® 825 tool body

Internal coolant supply



					Dimensions, mm, inch									
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>RDL</sub>	LF	WF	BD <sub>1</sub>	CP BarPSI	Nm	Kg	
19.0	23.0	18	A	1	A18-R825A-A18116-RA	18.00	2.00	117.00	9.50	18.00	70	1.2	0.230	
.748	.906					.709	.079	4.606	.374	.709	1015			
23.0	29.0	20	A	1	A20-R825A-AA120-RA	20.00	3.00	121.00	11.50	20.00	70	1.2	0.340	
.906	1.142					.787	.118	4.764	.453	.787	1015			
28.0	36.0	25	A	1	A25-R825A-AB146-RA	25.00	4.00	147.00	14.00	25.00	70	1.2	0.620	
1.102	1.417					.984	.157	5.787	.551	.984	1015			



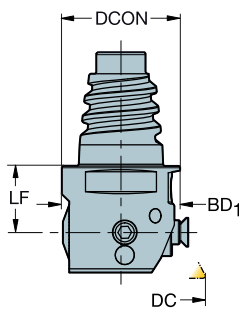
Q1



Q35

# Coromant EH to CoroBore® 825 tool body

Internal coolant supply



					Dimensions, mm, inch									
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>RDL</sub>	LF	WF	BD <sub>1</sub>	CP Bar/PSI	Nm	kg	
19.0	23.0	E16	A	1	EH16-R825A-AA18014	15.50	2.00	14.00	9.50	18.00	70	1.2	0.050	
<i>.748</i>	<i>.906</i>					<i>.610</i>	<i>.079</i>	<i>.551</i>	<i>.374</i>	<i>.709</i>	<i>1015</i>			
23.0	29.0	E20	A	1	EH20-R825A-AAA014	19.30	3.00	14.00	11.50	20.00	70	1.2	0.070	
<i>.906</i>	<i>1.142</i>					<i>.760</i>	<i>.118</i>	<i>.551</i>	<i>.453</i>	<i>.787</i>	<i>1015</i>			
28.0	36.0	E25	A	1	EH25-R825A-AAB014	24.20	4.00	14.00	14.00	25.00	70	1.2	0.110	
<i>1.102</i>	<i>1.417</i>					<i>.953</i>	<i>.157</i>	<i>.551</i>	<i>.551</i>	<i>.984</i>	<i>1015</i>			



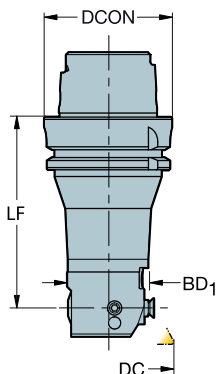
Q1



Q35

# HSK to CoroBore® 825 tool body

Internal coolant supply



					Dimensions, mm, inch									
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>RDL</sub>	LF	WF	BD <sub>1</sub>	CP BarPSI	Nm	Kg	
19.0	23.0	63	A	1	HA06-R825A-AA18077A	63.00	2.00	77.00	9.50	18.00	70	1.2	0.850	
.748	.906					2.480	.079	3.032	.374	.709	1015			
23.0	29.0	63	A	1	HA06-R825A-AAA086A	63.00	3.00	86.00	11.50	20.00	70	1.2	0.910	
.906	1.142					2.480	.118	3.386	.453	.787	1015			
28.0	36.0	63	A	1	HA06-R825A-AAB097A	63.00	4.00	97.00	14.00	25.00	70	1.2	1.040	
1.102	1.417					2.480	.157	3.819	.551	.984	1015			
35.0	45.0	63	B	1	HA06-R825B-AAC081A	63.00	5.00	98.00	17.50	32.00	70	3.1	1.110	
1.378	1.772					2.480	.197	3.858	.689	1.260	1015			
44.0	56.0	63	B	1	HA06-R825B-AAD094A	63.00	6.00	94.00	22.00	40.00	70	3.1	1.470	
1.732	2.205					2.480	.236	3.701	.866	1.575	1015			
55.0	70.0	63	C	1	HA06-R825C-AAE101A	63.00	7.50	101.00	27.50	50.00	70	5.8	1.980	
2.165	2.756					2.480	.295	3.976	1.083	1.969	1015			
69.0	87.0	63	C	1	HA06-R825C-AAF059A	63.00	9.00	78.00	34.50	63.00	70	5.8	1.690	
2.717	3.425					2.480	.354	3.071	1.358	2.480	1015			
86.0	107.0	63	C	1	HA06-R825C-AAG072A	63.00	10.50	72.00	43.00	80.00	70	5.8	2.310	
3.386	4.213					2.480	.413	2.835	1.693	3.150	1015			
106.0	137.0	100	C	1	HA10-R825C-AAH087A	100.00	15.50	87.00	53.00	100.00	70	5.8	5.160	
4.173	5.394					3.937	.610	3.425	2.087	3.937	1015			
136.0	167.0	100	C	1	HA10-R825C-AAI087A	100.00	15.50	87.00	68.00	130.00	70	5.8	5.830	
5.354	6.575					3.937	.610	3.425	2.677	5.118	1015			



Q1

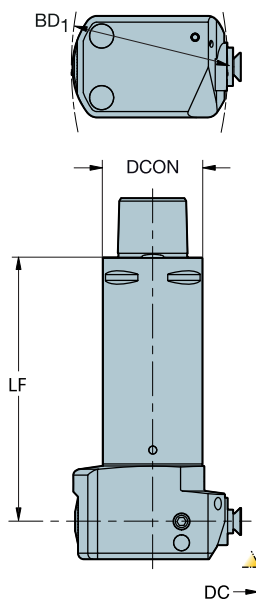


Q35



# Coromant Capto® to CoroBore® 825 lightweight tool body

Internal coolant supply



				Dimensions, mm, inch						
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	Ordering code	DCON	LF	BD <sub>1</sub>	CNSC	CP BarPSI	Kg
69.0	87.0	C5	C	C5-R825C-LAF127	50	127	63	1	70	1.420
<i>2.717</i>	<i>3.425</i>				<i>1.969</i>	<i>5.000</i>	<i>2.480</i>		<i>1015</i>	
86.0	107.0	C5	C	C5-R825C-LAG133	50	133	80	1	70	1.590
<i>3.386</i>	<i>4.213</i>				<i>1.969</i>	<i>5.236</i>	<i>3.150</i>		<i>1015</i>	
106.0	137.0	C6	C	C6-R825C-LAH167	63	167	100	1	70	2.940
<i>4.173</i>	<i>5.394</i>				<i>2.480</i>	<i>6.575</i>	<i>3.937</i>		<i>1015</i>	
136.0	167.0	C6	C	C6-R825C-LAI167	63	167	130	1	70	3.150
<i>5.354</i>	<i>6.575</i>				<i>2.480</i>	<i>6.575</i>	<i>5.118</i>		<i>1015</i>	
106.0	137.0	C8	C	C8-R825C-LAH177	80	177	100	1	70	3.820
<i>4.173</i>	<i>5.394</i>				<i>3.150</i>	<i>6.969</i>	<i>3.937</i>		<i>1015</i>	
136.0	167.0	C8	C	C8-R825C-LAI177	80	177	130	1	70	4.040
<i>5.354</i>	<i>6.575</i>				<i>3.150</i>	<i>6.969</i>	<i>5.118</i>		<i>1015</i>	



Q1

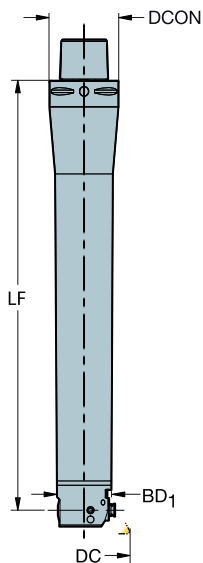


Q35



# Coromant Capto® to CoroBore® 825 dampened tool body

Internal coolant supply



				Dimensions, mm, inch						
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	Ordering code	DCON	LF	BD <sub>1</sub>	CNSC	CP Bar/PSI	Kg
23.0	29.0	C3	A	C3-R825A-FAA181A	32	181	20	1	70	0.620
.906	1.142				1.260	7.126	.787		1015	
28.0	36.0	C3	A	C3-R825A-FAB208A	32	208	25	1	70	1.100
1.102	1.417				1.260	8.189	.984		1015	
35.0	45.0	C4	B	C4-R825B-FAC255A	40	255	32	1	70	2.200
1.378	1.772				1.575	10.039	1.260		1015	
44.0	56.0	C5	B	C5-R825B-FAD315A	50	315	40	1	70	4.100
1.732	2.205				1.969	12.402	1.575		1015	
55.0	70.0	C5	C	C5-R825C-FAE237A	50	237	50	1	70	3.900
2.165	2.756				1.969	9.331	1.969		1015	
55.0	70.0	C6	C	C6-R825C-FAE389A	63	389	50	1	70	7.000
2.165	2.756				2.480	15.315	1.969		1015	
69.0	87.0	C6	C	C6-R825C-FAF307A	63	307	63	1	70	8.000
2.717	3.425				2.480	12.087	2.480		1015	
86.0	107.0	C6	C	C6-R825C-FAG307A	63	307	80	1	70	7.400
3.386	4.213				2.480	12.087	3.150		1015	
106.0	137.0	C6	C	C6-R825C-FAH307A	63	307	100	1	70	7.700
4.173	5.394				2.480	12.087	3.937		1015	
136.0	167.0	C6	C	C6-R825C-FAI307A	63	307	130	1	70	7.900
5.354	6.575				2.480	12.087	5.118		1015	
69.0	87.0	C8	C	C8-R825C-FAF499A	80	499	63	1	70	14.500
2.717	3.425				3.150	19.646	2.480		1015	
86.0	107.0	C8	C	C8-R825C-FAG377A	80	377	80	1	70	14.600
3.386	4.213				3.150	14.843	3.150		1015	
106.0	137.0	C8	C	C8-R825C-FAH377A	80	377	100	1	70	15.000
4.173	5.394				3.150	14.843	3.937		1015	
136.0	167.0	C8	C	C8-R825C-FAI377A	80	377	130	1	70	15.600
5.354	6.575				3.150	14.843	5.118		1015	



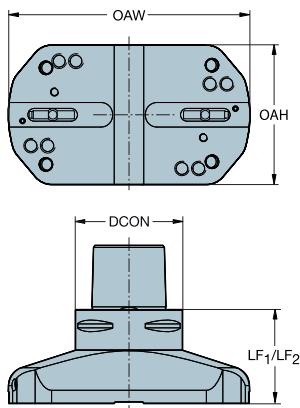
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Q35

# Coromant Capto® to CoroBore® XL tool body

Internal coolant supply



					Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF	WF	OAW	CP BarPSI	Nm	Kg
148.0	200.0	C6	S17F	1	C6-R825XLS17-AJ 058	63.00	58.00	36.85	130.00	70	60.0	1.620
5.827	7.874					2.480	2.283	1.451	5.118	1015		
198.0	250.0	C6	S17F	1	C6-R825XLS17-AK 058	63.00	58.00	61.85	180.00	70	60.0	1.980
7.795	9.843					2.480	2.283	2.435	7.087	1015		
248.0	300.0	C6	S17F	1	C6-R825XLS17-AL 058	63.00	58.00	86.85	230.00	70	60.0	2.320
9.764	11.811					2.480	2.283	3.419	9.055	1015		
148.0	200.0	C8	S17FR	1	C8-R822XLS17-AJ 070	80.00	70.00		130.00	70		4.570
5.827	7.874					3.150	2.756		5.118	1015		
198.0	250.0	C8	S17FR	1	C8-R822XLS17-AK 070	80.00	70.00		180.00	70		5.800
7.795	9.843					3.150	2.756		7.087	1015		
248.0	300.0	C8	S17FR	1	C8-R822XLS17-AL 070	80.00	70.00		230.00	70		7.000
9.764	11.811					3.150	2.756		9.055	1015		
148.0	200.0	C10	S17FR	1	C10-R822XLS17-AJ 076	100.00	76.00		130.00	70		6.480
5.827	7.874					3.937	2.992		5.118	1015		
198.0	250.0	C10	S17FR	1	C10-R822XLS17-AK 076	100.00	76.00		180.00	70		7.740
7.795	9.843					3.937	2.992		7.087	1015		
248.0	300.0	C10	S17FR	1	C10-R822XLS17-AL 076	100.00	76.00		230.00	70		9.050
9.764	11.811					3.937	2.992		9.055	1015		



Q1

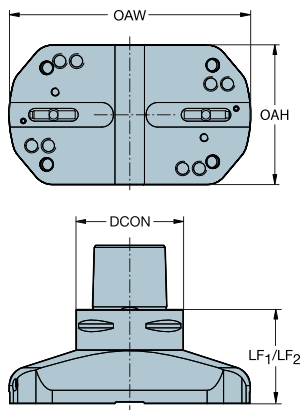


Q35



# Coromant Capto® to CoroBore® XL lightweight tool body

Internal coolant supply



					Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF	WF	OAW	CP BarPSI	Nm	Kg
148.0	200.0	C8	S17F	1	C8-R825XLS17-LJ 170	80.00	170.00	36.85	130.00	70	60.0	4.410
<i>5.827</i>	<i>7.874</i>					<i>3.150</i>	<i>6.693</i>	<i>1.451</i>	<i>5.118</i>	<i>1015</i>		
198.0	250.0	C8	S17F	1	C8-R825XLS17-LK 170	80.00	170.00	61.85	180.00	70	60.0	4.780
<i>7.795</i>	<i>9.843</i>					<i>3.150</i>	<i>6.693</i>	<i>2.435</i>	<i>7.087</i>	<i>1015</i>		
248.0	300.0	C8	S17F	1	C8-R825XLS17-LL 170	80.00	170.00	86.85	230.00	70	60.0	5.140
<i>9.764</i>	<i>11.811</i>					<i>3.150</i>	<i>6.693</i>	<i>3.419</i>	<i>9.055</i>	<i>1015</i>		



Q1

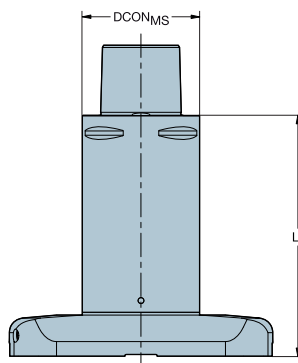


Q35

# Coromant Capto® to CoroBore® XL dampened tool body

Internal coolant supply

Adaptor



					Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF	WF	BD <sub>1</sub>	CP Bar/PSI	Nm	Kg
148.0	200.0	C8	S17F	1	C8-R825XLS17-FJ340	80.00	340.00	36.85	130.00	70	60.0	12.300
<i>5.827</i>	<i>7.874</i>					<i>3.150</i>	<i>13.386</i>	<i>1.451</i>	<i>5.118</i>	<i>1015</i>		
198.0	250.0	C8	S17F	1	C8-R825XLS17-FK340	80.00	340.00	61.85	180.00	70	60.0	12.600
<i>7.795</i>	<i>9.843</i>					<i>3.150</i>	<i>13.386</i>	<i>2.435</i>	<i>7.087</i>	<i>1015</i>		
248.0	300.0	C8	S17F	1	C8-R825XLS17-FL340	80.00	340.00	86.85	230.00	70	60.0	13.000
<i>9.764</i>	<i>11.811</i>					<i>3.150</i>	<i>13.386</i>	<i>3.419</i>	<i>9.055</i>	<i>1015</i>		



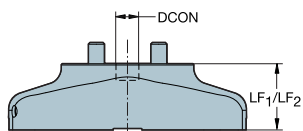
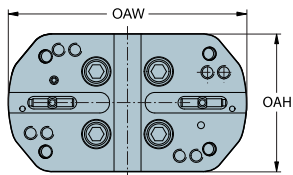
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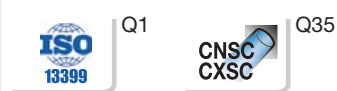
Q35

# Arbor to CoroBore® XL lightweight tool body

Internal coolant supply



						Dimensions, mm, inch						
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF <sub>1</sub>	LF <sub>2</sub>	OAH	OAW	CP BarPSI	KG
148.0	200.0	40S	S17FR	1	A40-R822XLS17-LJ 050	40.00	50.00	50.00	104.00	130.00	70	1.460
<i>5.827</i>	<i>7.874</i>					<i>1.575</i>	<i>1.969</i>	<i>1.969</i>	<i>4.094</i>	<i>5.118</i>	<i>1015</i>	
198.0	250.0	40S	S17FR	1	A40-R822XLS17-LK 050	40.00	50.00	50.00	104.00	180.00	70	1.990
<i>7.795</i>	<i>9.843</i>					<i>1.575</i>	<i>1.969</i>	<i>1.969</i>	<i>4.094</i>	<i>7.087</i>	<i>1015</i>	
248.0	300.0	40S	S17FR	1	A40-R822XLS17-LL 050	40.00	50.00	50.00	104.00	230.00	70	2.470
<i>9.764</i>	<i>11.811</i>					<i>1.575</i>	<i>1.969</i>	<i>1.969</i>	<i>4.094</i>	<i>9.055</i>	<i>1015</i>	

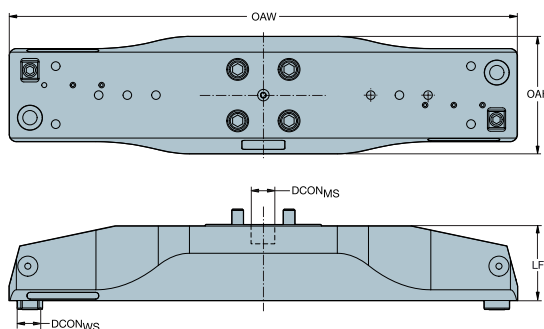


# Arbor to CoroBore® XL bridge

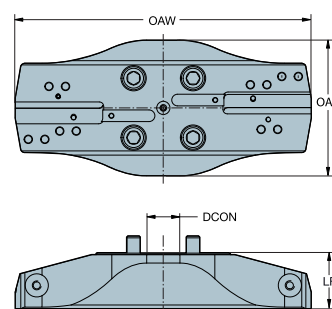
Internal coolant supply



A40-NXLA35



A40-RXLS24



						Dimensions, mm, inch						
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	LF	WF	OAH	OAW	CP BarPSI	KG
298.0	380.0	40X	S24	1	A40-RXLS24-AM2 062	40.00	62.00	103.25	164.00	278.00	70	5.330
						1.575	2.441	4.065	6.457	10.945	1015	
378.0	460.0	40X	S24	1	A40-RXLS24-AN2 067	40.00	67.00	143.25	164.00	358.00	70	7.090
						1.575	2.638	5.640	6.457	14.095	1015	
458.0	540.0	40X	S24	1	A40-RXLS24-AO2 072	40.00	72.00	183.25	164.00	438.00	70	9.020
						1.575	2.835	7.215	6.457	17.244	1015	

						Dimensions, mm, inch							
DCN	DCX	CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	LF	WF	OAH	OAW	CP BarPSI	KG
538.0	780.0	40X	A35	1	A40-NXLA35-AP2 086	40.00	35.00	86.00	206.00	164.00	470.00	70	14.770
						1.575	1.378	3.386	8.110	6.457	18.504	1015	
778.0	1020.0	40X	A35	1	A40-NXLA35-AQ2 106	40.00	35.00	106.00	326.00	164.00	710.00	70	25.960
						1.575	1.378	4.173	12.835	6.457	27.953	1015	
1018.0	1260.0	40X	A35	1	A40-NXLA35-AR2 106	40.00	35.00	106.00	446.00	164.00	950.00	70	33.390
						1.575	1.378	4.173	17.559	6.457	37.402	1015	



Q1

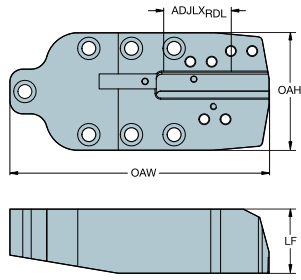



Q35



# CoroBore® XL bridge extension

Internal coolant supply



			Dimensions, mm, inch									
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>AXL</sub>	ADJLX <sub>RDL</sub>	LF	WF	OAH	OAW	CP BarPSI	 Kg
A35	S24	4	A35-RXLS24-A 060	35.00	20.00	80.00	60.00	17.25	110.00	243.00	70	3.350
				1.378	.787	3.150	2.362	.679	4.331	9.567	1015	



Q1



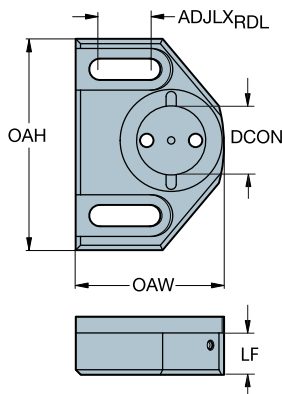
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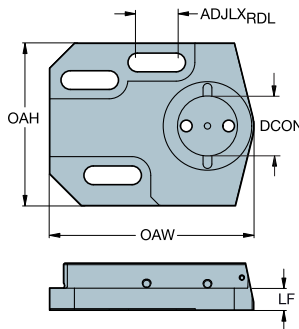
# Slide for CoroBore® XL

Internal coolant supply

Slide



			Dimensions, mm, inch								
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>RDL</sub>	LF	WF	OAH	OAW	CP BarPSI	kg
S17F	A34	4	S17-R825XLA34-020	34.00	26.00	20.00	9.00	104.00	72.00	70	0.290
				1.339	1.024	.787	.354	4.094	2.835	1015	



			Dimensions, mm, inch								
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>RDL</sub>	LF	WF	OAH	OAW	CP BarPSI	kg
S24	A34	4	S24-R825XLA34-012	34.00	22.00	12.00	17.75	92.00	115.55	70	1.020
				1.339	.866	.472	.699	3.622	4.549	1015	



Q1



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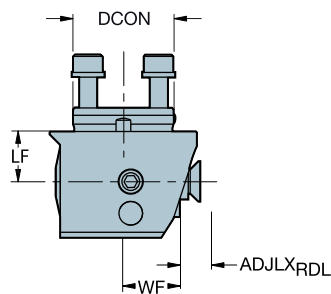
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## CoroBore® 825 fine boring head

Internal coolant supply

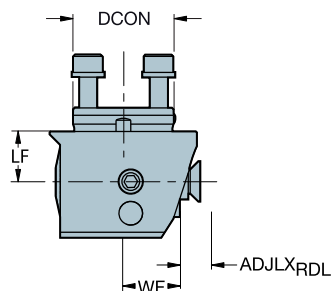


Dimensions, mm, inch


CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>RDL</sub>	LF	WF	CP Bar/PSI	
A34	C	1	A34-R825C-E 017 A	34.00	7.50	17.00	17.50	70	0.530
				1.339	.295	.669	.689	1015	

## CoroBore® 826 fine boring head

Internal coolant supply



Dimensions, mm, inch

CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON	ADJLX <sub>RDL</sub>	LF	WF	CP Bar/PSI	
A34	C	1	A34-R826C-E 017	34.00	0.50	17.00	17.50	70	0.530
				1.339	.020	.669	.689	1015	

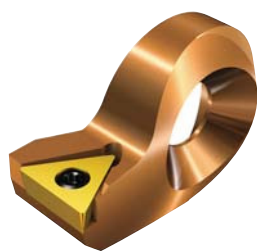


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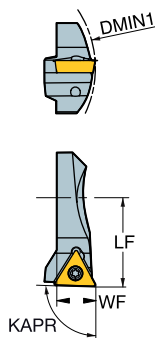
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# Cartridge for CoroBore® 825 / 826

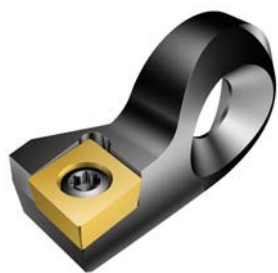


KAPR

92°

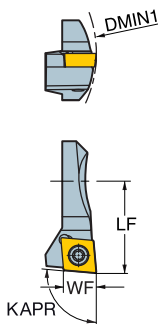


		CZC <sub>MS</sub>	CNSC	Ordering code	Dimensions, mm, inch				MIID
DMIN <sub>1</sub>	IC				LF	WF			
19.0 .748	06	5/32	A	0	R825A-AF11STUC06T1A	11.00 .433	5.00 .197	0.6 0.020	TCMT 06 T1 02 TCMT 1.2(1.2)0
19.0 .748	06	5/32	A	0	R825A-AF11STUP06T1A	11.00 .433	5.00 .197	0.6 0.020	TPMT 06 T1 02 TPMT 1.2(1.2)0
35.0 1.378	09	7/32	B	0	R825B-AF17STUC0902A	17.00 .669	7.00 .276	0.9 0.020	TCMT 09 02 04 TCMT 1.8(1.5)1
35.0 1.378	09	7/32	B	0	R825B-AF17STUP0902A	17.00 .669	7.00 .276	0.9 0.020	TPMT 09 02 04 TPMT 1.8(1.5)1
55.0 2.165	11	1/4	C	0	R825C-AF23STUC1102A	23.00 .906	10.00 .394	0.9 0.039	TCMT 11 02 04 TCMT 2(1.5)1
55.0 2.165	11	1/4	C	0	R825C-AF23STUC1103A	23.00 .906	10.00 .394	0.9 0.039	TCMT 11 03 04 TCMT 221
55.0 2.165	11	1/4	C	0	R825C-AF23STUP1103A	23.00 .906	10.00 .394	0.9 0.038	TPMT 11 03 04 TPMT 221



KAPR

95°



		CZC <sub>MS</sub>	CNSC	Ordering code	Dimensions, mm, inch				MIID
DMIN <sub>1</sub>	IC				LF	WF			
55.0 2.165	09	3/8	C	0	R825C-AF27SCLC09T3	27.00 1.063	10.00 .394	3.0 0.040	CCMT 09 T3 04 CCMT 3(2.5)1



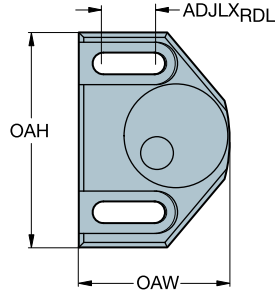
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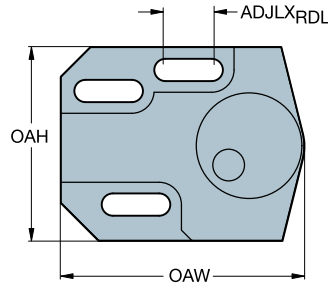
Q35

# Counterweight for CoroBore® XL

Fine boring



		Dimensions, mm, inch				
CZC <sub>MS</sub>	CNSC	Ordering code	ADJLX <sub>RDL</sub>	OAH	OAW	Kg
S17F	0	S17-825XL-CW	26.00	104.00	115.45	
			1.024	4.094	4.545	



		Dimensions, mm, inch				
CZC <sub>MS</sub>	CNSC	Ordering code	ADJLX <sub>RDL</sub>	OAH	OAW	Kg
S24	0	S24-825XL-CW	22.00	92.00	32.62	
			.866	3.622	1.284	



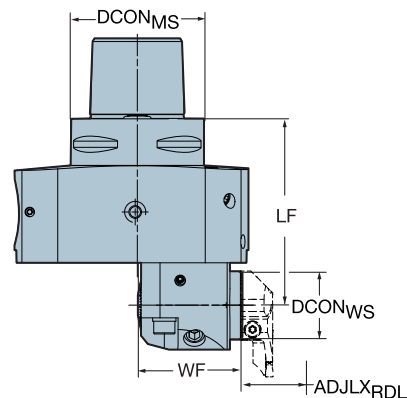
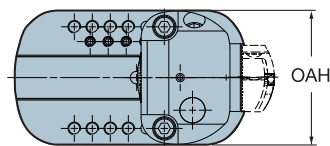
Q1




Q35

# Coromant Capto® to CoroTurn SL adjustable adaptor

Coromant Capto® - Internal coolant supply  
 CoroBore® 825 fine adjustment



		Dimensions, mm, inch									
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJLX <sub>RDL</sub>	LF	WF	OAH	CP BarPSI	 Kg
C6	32	1	825-150SL32-C6	63.00	32.00	51.50	88.00	32.05	63.40	20	3.900
				<i>2.480</i>	<i>1.260</i>	<i>2.028</i>	<i>3.465</i>	<i>1.262</i>	<i>2.496</i>	<i>290</i>	
C8	32	1	825-150SL32-C8	80.00	32.00	51.50	96.00	32.05	80.40	20	4.800
				<i>3.150</i>	<i>1.260</i>	<i>2.028</i>	<i>3.780</i>	<i>1.262</i>	<i>3.165</i>	<i>290</i>	

Blade diameter and tool diameter range should match the requirement of the component. For more information about blade, see Turning tools catalogue



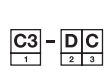
O5



Q1



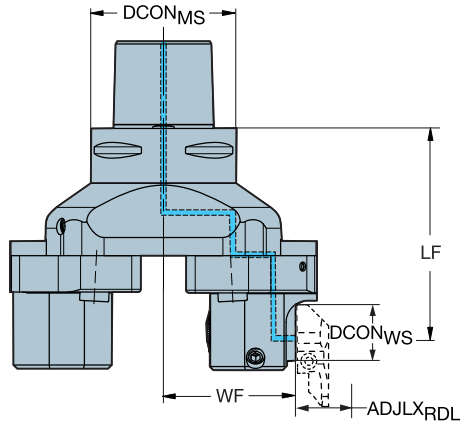
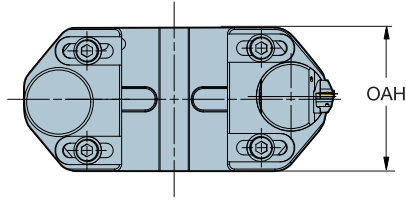
Q35




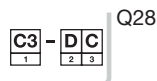
Q28

# Coromant Capto® to CoroTurn SL adjustable adaptor

Coromant Capto® - Internal coolant supply

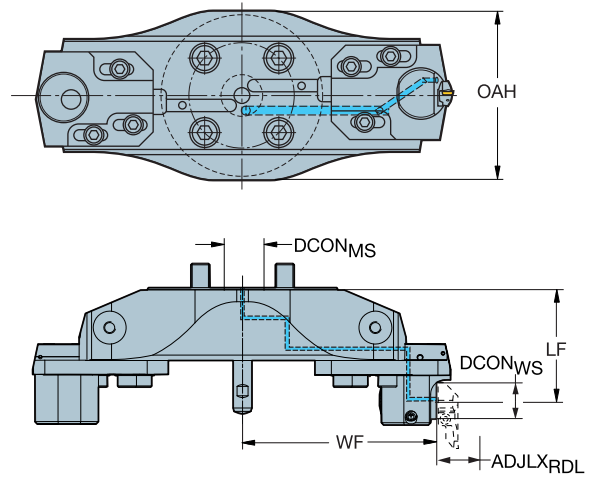



				Dimensions, mm, inch									
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJLX <sub>RDL</sub>	LF	WF	OAH	CP BarPSI	 Kg		
C8	32	1	825-215SL32-C8	80.00	32.00	33.50	112.00	56.00	104.00	20	6.760		
				<i>3.150</i>	<i>1.260</i>	<i>1.319</i>	<i>4.409</i>	<i>2.205</i>	<i>4.094</i>	<i>290</i>			
C8	32	1	825-265SL32-C8	80.00	32.00	33.50	112.00	81.00	104.00	20	7.990		
				<i>3.150</i>	<i>1.260</i>	<i>1.319</i>	<i>4.409</i>	<i>3.189</i>	<i>4.094</i>	<i>290</i>			
C8	32	1	825-315SL32-C8	80.00	32.00	33.50	112.00	106.00	104.00	20	9.190		
				<i>3.150</i>	<i>1.260</i>	<i>1.319</i>	<i>4.409</i>	<i>4.173</i>	<i>4.094</i>	<i>290</i>			
C10	32	1	825-215SL32-C10	100.00	32.00	33.50	118.00	56.00	104.00	20	8.670		
				<i>3.937</i>	<i>1.260</i>	<i>1.319</i>	<i>4.646</i>	<i>2.205</i>	<i>4.094</i>	<i>290</i>			
C10	32	1	825-265SL32-C10	100.00	32.00	33.50	118.00	81.00	104.00	20	9.930		
				<i>3.937</i>	<i>1.260</i>	<i>1.319</i>	<i>4.646</i>	<i>3.189</i>	<i>4.094</i>	<i>290</i>			
C10	32	1	825-315SL32-C10	100.00	32.00	33.50	118.00	106.00	104.00	20	11.240		
				<i>3.937</i>	<i>1.260</i>	<i>1.319</i>	<i>4.646</i>	<i>4.173</i>	<i>4.094</i>	<i>290</i>			



# Arbor to CoroTurn SL adjustable adaptor

Arbor - Internal coolant supply



			Dimensions, mm, inch									
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJLX <sub>RDL</sub>	LF	WF	OAH	CP BarPSI		
40X	32	1	825-395SL32	40.00	32.00	48.50	96.00	131.00	164.00	20	8.980	
				<i>1.575</i>	<i>1.260</i>	<i>1.909</i>	<i>3.780</i>	<i>5.157</i>	<i>6.457</i>	<i>290</i>		
40X	32	1	825-475SL32	40.00	32.00	48.50	101.00	171.00	164.00	20	10.740	
				<i>1.575</i>	<i>1.260</i>	<i>1.909</i>	<i>3.976</i>	<i>6.732</i>	<i>6.457</i>	<i>290</i>		
40X	32	1	825-555SL32	40.00	32.00	48.50	106.00	211.00	104.00	20	12.670	
				<i>1.575</i>	<i>1.260</i>	<i>1.909</i>	<i>4.173</i>	<i>8.307</i>	<i>4.094</i>	<i>290</i>		



M139



Q1



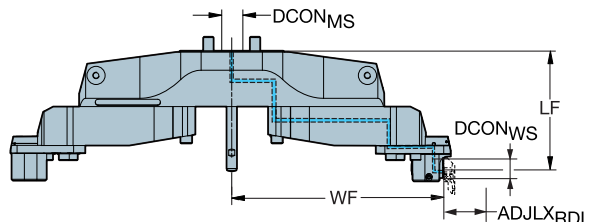
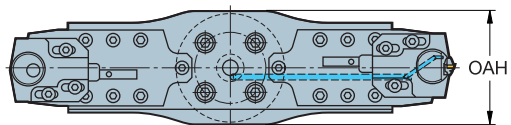
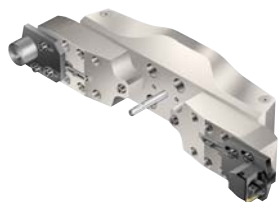
Q35



Q28

# Arbor to CoroTurn SL adjustable adaptor

Arbor with bridge extension - Internal coolant supply



Dimensions, mm, inch

CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	Ordering code	DCON <sub>MS</sub>	DCON <sub>WS</sub>	ADJLX <sub>RDL</sub>	LF	WF	OAH	CP BarPSI	kg
40X	32	1	825-1035SL32	40.00 1.575	32.00 1.260	128.50 5.059	200.00 7.874	371.00 14.606	164.00 6.457	20	36.310
40X	32	1	825-1275SL32	40.00 1.575	32.00 1.260	128.50 5.059	200.00 7.874	491.00 19.331	164.00 6.457	20	43.740
40X	32	1	825-795SL32	40.00 1.575	32.00 1.260	128.50 5.059	180.00 7.087	251.00 9.882	164.00 6.457	20	25.120

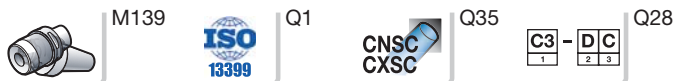
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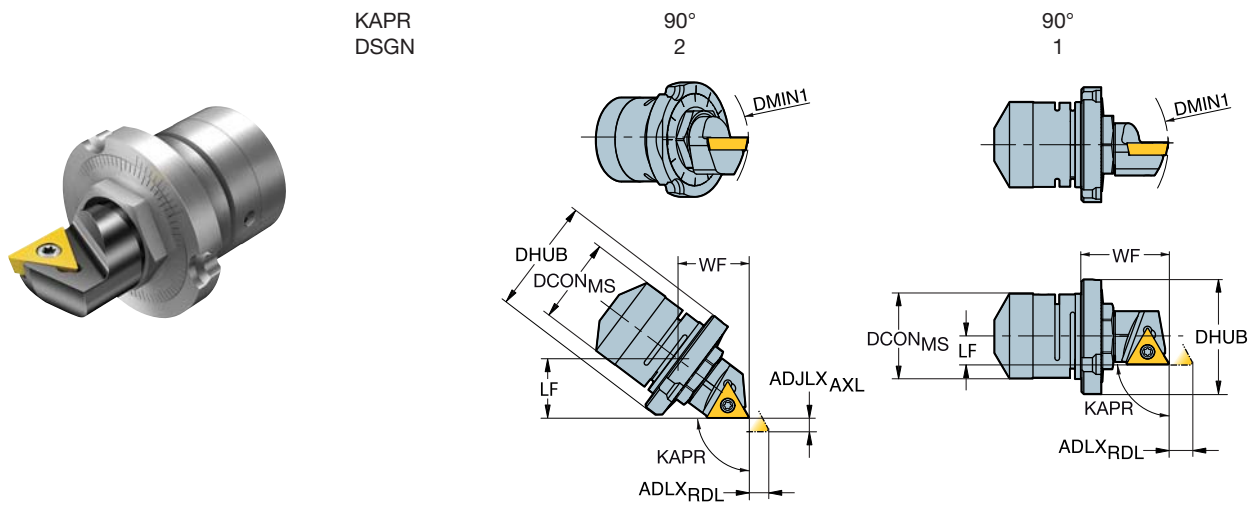
Q





# Fine boring unit

## Unit and Cartridge



						Dimensions, mm, inch						MIID	
DMIN <sub>1</sub>			CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	DCON	ADJLX <sub>RDL</sub>	LF	WF			
24.8	06	1/4	1	0	2	L148C-31-0602	16.00	2.00	8.40	11.20	0.6	0.550	CCMT 06 02 00 RE=0
.976							.630	.079	.331	.441			CCMT 2(1.5)0 RE=0
24.8	06	5/32	1	0	2	L148C-31-06T1	16.00	2.00	8.30	11.10	0.6	0.054	TCMT 06 T1 00 RE=0
.976							.630	.079	.327	.437			TCMT 1.2(1.2)0 RE=0
27.0	06	1/4	1	0	1	R/L148C-11-0602	16.00	2.50	5.10	12.90	0.6	0.060	CCMT 06 02 00 RE=0
1.063							.630	.098	.201	.508			CCMT 2(1.5)0 RE=0
36.5	09	7/32	2	0	1	R/L148C-12-0902	20.00	3.50	6.30	18.30	0.8	0.054	TCMT 09 02 00 RE=0
1.437							.787	.138	.248	.720			TCMT 1.8(1.5)0 RE=0
32.5	09	7/32	2	0	2	R/L148C-32-0902	20.00	2.80	11.50	15.30	0.6	0.060	TCMT 09 02 00 RE=0
1.280							.787	.110	.453	.602			TCMT 1.8(1.5)0 RE=0
48.5	11	1/4	3	0	1	R/L148C-13-11 03	22.00	6.00	7.20	22.10	0.9	0.093	TCMT 11 03 04
1.909							.866	.236	.283	.870			TCMT 221
48.5	11	1/4	3	0	1	R/L148C-13-1102	22.00	6.00	7.20	22.10	0.9	0.093	TCMT 11 02 00 RE=0
1.909							.866	.236	.283	.870			TCMT 2(1.5)0 RE=0
42.0	11	1/4	3	0	2	R/L148C-33-11 03	22.00	4.80	14.10	18.70	0.8	0.095	TCMT 11 03 04
1.654							.866	.189	.555	.736			TCMT 221
42.0	11	1/4	3	0	2	R/L148C-33-1102	22.00	4.80	13.80	18.40	0.9	0.040	TCMT 11 02 00 RE=0
1.654							.866	.189	.543	.724			TCMT 2(1.5)0 RE=0
69.0	16	3/8	4	0	1	R/L148C-14-16T3	32.00	10.00	10.30	32.00	3.0	0.355	TCMT 16 T3 00 RE=0
2.717							1.260	.394	.406	1.260			TCMT 3(2.5)0 RE=0
60.0	16	3/8	4	0	2	R/L148C-34-16T3	32.00	8.00	20.00	26.70	0.9	0.474	TCMT 16 T3 00 RE=0
2.362							1.260	.315	.787	1.051			TCMT 3(2.5)0 RE=0



Q1



Q35

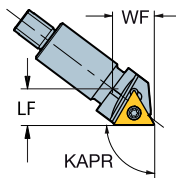
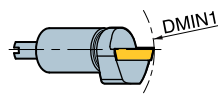


# Cartridge for fine boring units

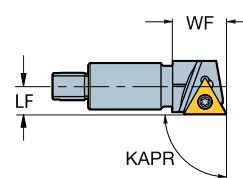
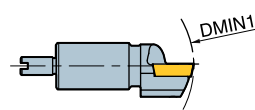


KAPR  
DSGN

90°  
2



90°  
1



						Dimensions, mm, inch					
DMIN <sub>1</sub>		CZC <sub>MS</sub>	CNSC	DSGN	Ordering code	LF	WF			MIID	
24.8	06	5/32	31	0	2	L148D-31-06T1	5.12	6.82	0.6	0.010	TCMT 06 T1 00 RE=0
.976							.201	.269			TCMT 1.2(1.2)0 RE=0
27.0	06	1/4	11	0	1	R/L148D-11-0602	5.10	7.85	0.6	0.020	CCMT 06 02 00 RE=0
1.063							.201	.309			CCMT 2(1.5)0 RE=0
24.8	06	1/4	31	0	2	R/L148D-31-0602	5.20	6.94	0.6	0.010	CCMT 06 02 00 RE=0
.976							.205	.273			CCMT 2(1.5)0 RE=0
36.5	09	7/32	12	0	1	R/L148D-12-0902	6.30	11.24	0.8	0.020	TCMT 09 02 00 RE=0
1.437							.248	.443			TCMT 1.8(1.5)0 RE=0
32.5	09	7/32	32	0	2	R/L148D-32-0902	7.10	9.47	0.8	0.021	TCMT 09 02 00 RE=0
1.280							.280	.373			TCMT 1.8(1.5)0 RE=0
48.5	11	1/4	13	0	1	L148D-13-11 03	7.20	13.30	0.9	0.030	TCMT 11 03 04
1.909							.283	.524			TCMT 221
48.5	11	1/4	13	0	1	L148D-13-1102	7.20	13.30	0.9	0.030	TCMT 11 02 00 RE=0
1.909							.283	.524			TCMT 2(1.5)0 RE=0
42.0	11	1/4	33	0	2	L148D-33-11 03	8.42	11.23	0.9	0.030	TCMT 11 03 04
1.654							.332	.442			TCMT 221
42.0	11	1/4	33	0	2	R/L148D-33-1102	8.42	11.23	0.9	0.030	TCMT 11 02 00 RE=0
1.654							.332	.442			TCMT 2(1.5)0 RE=0
60.0	16	3/8	34	0	2	R/L148D-34-16T3	13.46	17.95	3.0	0.116	TCMT 16 T3 00 RE=0
2.362							.530	.707			TCMT 3(2.5)0 RE=0



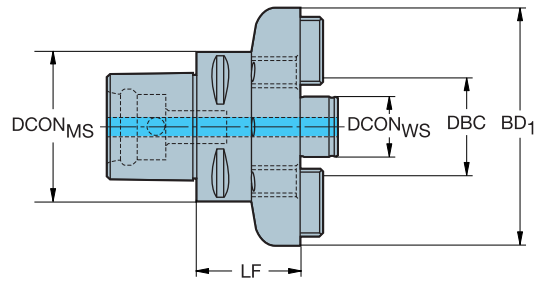
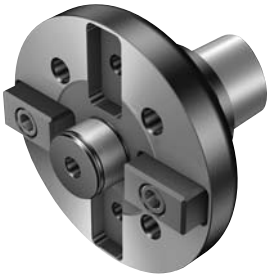
Q1



Q35

# Coromant Capto® to CoroBore® XL adaptor

Internal coolant supply



				Dimensions, mm, inch								
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	CXSC	Ordering code	DCON <sub>MS</sub>	DBC	DCON <sub>WS</sub>	LF	LB <sub>1</sub>	BD <sub>1</sub>	CP Bar/PSI	Kg
C8	40X	1	1	C8-391.XL-40 065	80	101.6	40.0	65.0	65.0	160.0	80	6.63
					<i>3.150</i>	<i>4.000</i>	<i>1.575</i>	<i>2.559</i>	<i>2.559</i>	<i>6.299</i>	<i>1160</i>	
C10	40X	1	1	C10-391.XL-40 070	100	101.6	40.0	70.0	70.0	160.0	80	8.20
					<i>3.937</i>	<i>4.000</i>	<i>1.575</i>	<i>2.756</i>	<i>2.756</i>	<i>6.299</i>	<i>1160</i>	



O5



Q1



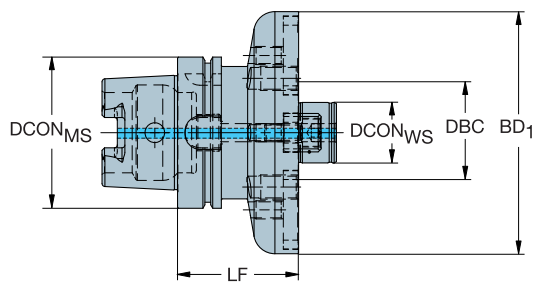
Q35

J  
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# HSK to CoroBore® XL adaptor

Internal coolant supply

DSGN 1



Dimensions, mm, inch

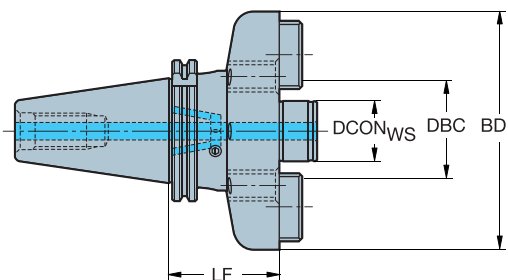
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	CXSC	DSGN	Ordering code	DCON <sub>MS</sub>	DBC	DCON <sub>WS</sub>	LF	LB <sub>1</sub>	BD <sub>1</sub>	CP Bar/PSI	kg
100	40X	1	1	1	392.410XL-10040 080	100	101.6	40.0	80.0	80.0	160.0	20	7.61
						<i>3.937</i>	<i>4.000</i>	<i>1.575</i>	<i>3.150</i>	<i>3.150</i>	<i>6.299</i>	<i>290</i>	
125	40X	1	1	1	392.410XL-12540 080	125	101.6	40.0	80.0	80.0	160.0	20	9.97
						<i>4.921</i>	<i>4.000</i>	<i>1.575</i>	<i>3.150</i>	<i>3.150</i>	<i>6.299</i>	<i>290</i>	



# ISO 7388-1 to CoroBore® XL adaptor

Internal coolant supply

DSGN 1



## ISO7388.1/MAS-BT 403

					Dimensions, mm, inch							
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	CXSC	DSGN	Ordering code	DBC	DCON <sub>WS</sub>	LF	LB <sub>1</sub>	BD <sub>1</sub>	CP Bar/PSI	Kg
50	40X	7	1	1	392.644XL-5040 075	101.6	40.0	75.0	75.0	160.0	20	8.46
						<i>4.000</i>	<i>1.575</i>	<i>2.953</i>	<i>2.953</i>	<i>6.299</i>	<i>290</i>	
	40X	7	1	1	392.646XL-5040 080	101.6	40.0	80.0	80.0	160.0	20	8.46
						<i>4.000</i>	<i>1.575</i>	<i>3.150</i>	<i>3.150</i>	<i>6.299</i>	<i>290</i>	

All CoroBore XL solid holders have ground backside of flange and threads for the option to mount a shim to increase stability if needed. Shim needs to be ordered separately and ground to fit the specific machine and holder, see accessories page P35.



Q1

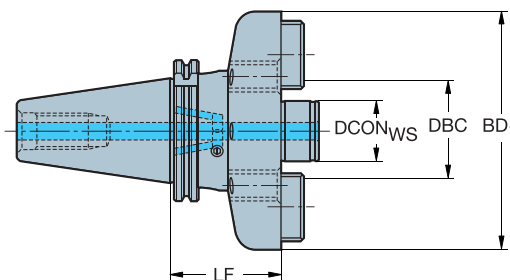


Q35

# CAT-V to CoroBore® XL adaptor

Internal coolant supply

DSGN 1



## CAT V-Flange

					Dimensions, mm, inch							
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	CXSC	DSGN	Ordering code	DBC	DCON <sub>WS</sub>	LF	LB <sub>1</sub>	BD <sub>1</sub>	CP Bar/PSI	Kg
50	40X	7	1	1	A392.645XL-5040 075	101.6	40.0	75.0	75.0	160.0	20	3.38
						4.000	1.575	2.953	2.953	6.299	290	

All CoroBore XL solid holders have ground backside of flange and threads for the option to mount a shim to increase stability if needed. Shim needs to be ordered separately and ground to fit the specific machine and holder, see accessories page P35.



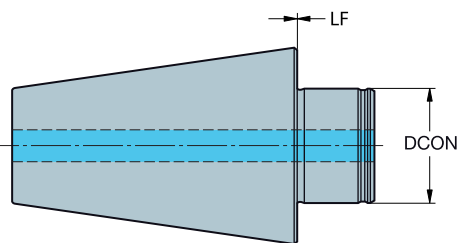
Q1



Q35

# Centering plug

Internal coolant supply



## ISO7388.1/MAS-BT 403

				Dimensions, mm, inch			
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	CXSC	Ordering code	LF	CP Bar/PSI	Kg
50	40 plug	1	1	392.647XL-5040	0.0 .000	20 290	8.93

## CAT V-Flange

				Dimensions, mm, inch			
CZC <sub>MS</sub>	CZC <sub>WS</sub>	CNSC	CXSC	Ordering code	LF	CP Bar/PSI	Kg
50	40 plug	1	1	A392.647XL-5040	0.0 .000	20 290	8.17



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Q35

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## Tightening torque

- Always make sure the marks are in line
- Use assembly mounting fixture
- Always use a torque wrench and apply recommended torque on screws for insert and tool assembly torque
- Check machine spindle, run-out, wear and clamping force
- Replace worn or exhausted screws, washers and cupsprings



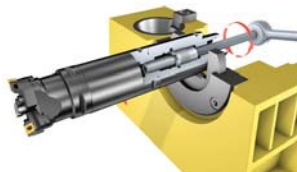
## Dampened tools

- Dampened tools; never clamp straight over the adaptor body



## Cleaning

- Clean all assembly items before assembly
- Check inserts and insert seats regularly to be free from dirt and are not damaged
- Lubricate all assembly items with oil at least once a year
- Clean and lubricate with oil fine boring heads (825, 826) and face grooving head (825SL):  
 Permanent use: Once a month  
 Minimum: Once a year



## Oil type: acid free light machine oil



- Mobil Vectra Oil Nr.2
- BP Energol HLP-D32
- Klueber Isoflex PDP 94
- Use Molycote for screws







## Tightening torque



### Coromant Capto®

Coromant Capto® size				
	Nm	Ft/lbs	Nm	Ft/lbs
C3	40-50	30-37		
C4	50-60	37-44		
C5	90-100	67-74		
C6-C8	160-180	118-133		
C10	380	283		



### Insert screw

Insert				
	Nm	Ft/lbs	Nm	Ft/lbs
TC05 / TC06 / TP06	0.6	0.4		
TC09 / TP09	0.8	0.6		
TC1103 / TP1103 / CC06	0.9	0.7		
CC09 / CC12 / SC09 / SC12	3	2.2		
TC16 / TC22 / 880-09..P..	3	2.2		
CN12 / SN12	3.9	2.9		
CN16 / SN15 / RC16	6.4	4.7		



### CoroBore® 820

Diameter				Slide	
mm	inch	ISO	ANSI		
35-45	1.378-1.772	CC06	CC2(1.5)	4.8	3.5
44-56	1.732-2.205	CC06	CC2(1.5)	9.0	6.6
55-87	2.165-3.425	CC09	CC3(2.5)	16.0	11.8
86-107	3.386-4.213	SC09	SC3(2.5)		
		CC12	CC43	38.0	28.0
106-167	4.173-6.575	SC12	CC43		
		CC12	CC43	75.0	55.3
166-191	6.535-7.520	CN12	CN43		
		SN12	SN43		
166-191	6.535-7.520	CC12	CC43	75.0	55.3
		CN16	CN54	120.0	88.5
189-214	7.441-8.425	SN15	SN54		
		CC12	CC43	75.0	55.3
189-214	7.441-8.425	SC12	CC43		
		CN16	CN54	120.0	88.5
212-237	8.346-9.331	SN15	SN54		
		CC12	CC43	75.0	55.3
212-237	8.346-9.331	SC12	CC43		
		CN16	CN54	120.0	88.5
235-260	9.252-10.236	SN15	SN54		
		CC12	CC43	75.0	55.3
235-260	9.252-10.236	SC12	CC43		
		CN16	CN54	120.0	88.5
258-283	10.157-11.142	SN15	SN54		
		CC12	CC43	75.0	55.3
258-283	10.157-11.142	SC12	CC43		
		CN16	CN54	120.0	88.5
281-306	11.063-12.047	SN15	SN54		
		CC12	CC43	75.0	55.3
281-306	11.063-12.047	SC12	CC43		
		CN16	CN54	120.0	88.5
		SN15	SN54		

### Coromant EH coupling


Size				
	Nm	Ft/lbs	Nm	Ft/lbs
16	30	22		
20	50	37		
25	65	48		

### DuoBore™ 821 and DuoBore™ 821D


Diameter				Slide	
mm	inch	ISO	ANSI		
25-47	.984-1.850	CC06	CC2(1.5)	4.8	3.5
46-56	1.811-2.205	TC11	TC2(1.5)		
		CC12	CC43	9.0	6.6
55-70	2.165-2.756	TC16	TC3(2.5)		
		SC09	SC3(2.5)		
69-84	2.717-3.307	CC12	CC43	16.0	11.8
		TC16	TC3(2.5)		
69-84	2.717-3.307	SC12	CC43		
		CN12	CN43	75.0	55.0
83-101	3.268-3.976	SN12	SN43		
		CC12	CC43	16.0	11.8
83-101	3.268-3.976	TC16	TC3(2.5)		
		TC22	TC43		
83-101	3.268-3.976	SC12	CC43		
		CN12	CN43	75.0	55.0
99-125	3.898-4.921	SN12	SN43		
		CC12	CC43	38.0	28.0
99-125	3.898-4.921	RC16	RC16		
		TC16	TC3(2.5)		
99-125	3.898-4.921	TC22	TC43		
		SC12	CC43		
99-125	3.898-4.921	CN12	CN43	120.0	88.5
		CN16	CN54		
123-150	4.843-5.906	SN12	SN43		
		SN15	SN54		
123-150	4.843-5.906	CC12	CC43	38.0	28.0
		RC16	RC16		
123-150	4.843-5.906	TC16	TC3(2.5)		
		TC22	TC43		
123-150	4.843-5.906	SC12	CC43		
		CN12	CN43	120.0	88.5
123-150	4.843-5.906	CN16	CN54		
		SN12	SN43		
		SN15	SN54		

## Tightening torque


### CoroBore® 820 XL / 820L XL

Diameter range, mm (inch)		
148-300 (5.512-11.811)		
Bridge	100	74
Slide	60	44
Cartridge	60	44


### CoroBore® 820 XL

Diameter range, mm (inch)		
298-1260 (11.732-49.606)		
Bridge	200	148
Bridge extension	100	74
Slide	60	44
Cartridge	60	44


### CoroBore® 825 XL / 826 XL / 825D XL / 826D XL / 825L XL / 826L XL

Diameter range, mm (inch)		
825: 148-315 (5.866-12.402) 826: 148-300 (5.866-11.810)		
Bridge	100	74
Slide	60	44
Counterweight	60	44
Fine boring head	14	10
Locking screw	6	4.4
Cartridge screw	6	4.4


### CoroBore® 825 XL / 826 XL

Diameter range, mm (inch)		
825: 298-1275 (11.732-50.197) 826: 298-1260 (11.732-49.606)		
Bridge	200	148
Bridge extension	100	74
Slide	60	44
Counterweight	60	44
Fine boring head	14	10
Locking screw	6	4.4
Cartridge screw	6	4.4


### CoroBore® 825 and 825D

Diameter range, mm (inch)		
<b>Cartridge screw</b>		
19-36 (0.748-1.417)	1.2	0.9
35-56 (1.378-2.205)	3.1	2.3
55-167 (2.165-6.575)	5.8	4.3
<b>Locking screw</b>		
19-29 (0.748-1.142)	0.9	0.7
28-36 (1.102-1.417)	1.2	0.9
35-56 (1.378-2.205)	3.0	2.3
55-167 (2.165-6.575)	6.0	4.3


### CoroBore® 824 XS

Diameter range, mm (inch)		
1-20 (0.039-0.787)		
Locking screw / Boring bar (Insert) screw		
<b>Size</b>		
XS04	1.2	0.9
XS06	1.2	0.9
XS08	3	2.2
XS10	3	2.2


### CoroBore® 825 SL

Diameter range, mm (inch)		
47-150 (1.850-5.905)		
Face grooving head (S20)	14	10
Locking screw	8	6
Counterweight	8	6
Blade	9	6.6

### CoroBore® 825 SL XL

Diameter range, mm (inch)		
150-1275 (5.905-50.197)		
Face grooving head (A34)	14	10
Locking screw	8	6
Blade	9	6.6
Other components, see CoroBore® 825XL		

### Fine boring head, 391.37A / 391.37B / Boring bars

Diameter mm (inch)		
<b>Screw for boring bar:</b>		
12 (.472)	10	7
16 (.630)	10	7
20 (.787)	18	13
<b>Locking screw:</b>		
12 (.472)	8	6
16 (.630)	8	6
20 (.787)	12	9

## Start recommendations

- Cutting speed must be reduced when working with long overhangs Silent Tools can be used to achieve higher cutting speeds at certain overhangs.

### Rough boring

- Maximum recommended starting value for cutting speed is 200 m/min (656 ft/min) for rough boring to ensure proper chip evacuation and to secure a stable process.

### Fine boring

- Maximum recommended starting value for cutting speed is 240 m/min (787 ft/min) for fine boring, to ensure proper chip evacuation and to secure a stable process.
- The recommended starting value for cutting speed for fine boring head 391.37A with steel or carbide bars with inserts is 90-120 m/min (295-394 ft/min, use lower values for long steel bars). Recommended starting value for ground carbide bars is 60 m/min (197 ft/min).
- See below matrix for selection of geometry and grade depending on your fine boring application.
- Maximum recommended depth of cut for fine boring is 0.5 mm (0.020 inch). If the tool is adjusted to the minimum possible diameter, chip evacuation will be more critical and a reduction of cutting depth might be necessary.
- Maximum feed in fine boring is limited by desired surface finish. The possibility to influence chip form is therefore limited. By using a wiper insert, the surface finish can be retained at higher feeds. However, the wiper inserts exert more radial pressure, increasing the risk for an unstable process.

Fine boring												
AP	Nose radius	Max feed for required surface		Material								
		Ra 1.6	Ra 0.8	P		M		K	N	S (nickel)		S (titanium)
0.1-0.15	02	0.08	0.05	PF 5015	L-K 1515	MF-1115	L-K 1515	PF 1515	AL H10	MF 1115	L-K 1115	AL H10
0.15-0.3	04	0.12	0.07	PF 5015	L-K 1515	MF 2015	L-K 1515	PF 4215	AL H10	MF 1115	L-K 1115	AL H10
0.3-0.5	08	0.15	0.10	PF 5015		MF 2015		PF 4215	AL H10	MF 1115	L-K 1115	AL H10

### Face grooving

First choice is the CoroCut 2-system insert.

Use -TF geometry for low feed, -CM geometry for medium feed and -RM geometry for radial bottom face grooving.

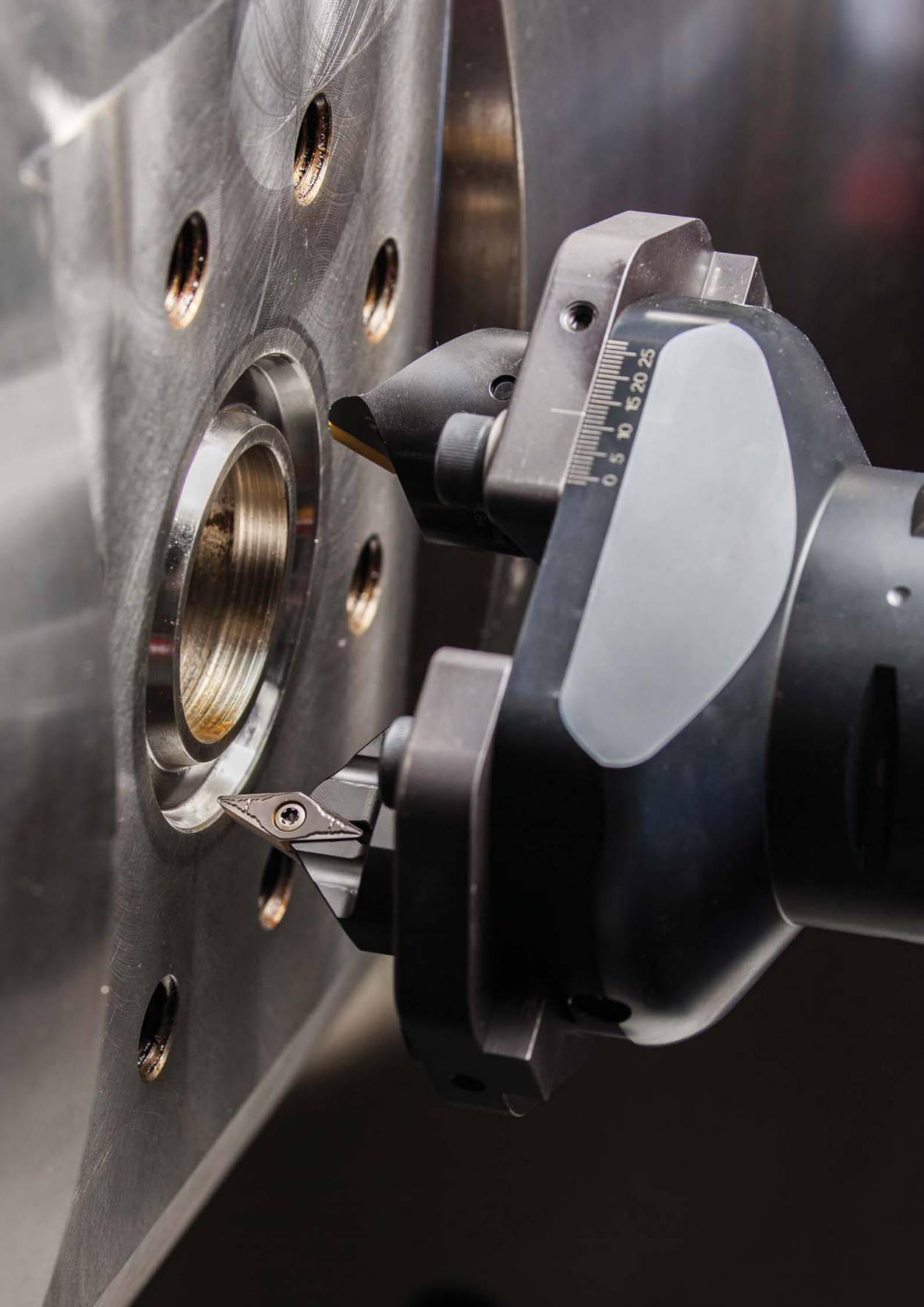
The -TF and -CM geometries have positive geometries that eliminate the risk of built-up edge. The -TF geometry gives good chip control and generates high surface finish due to the Wiper design. The -GF enables larger widths to be selected.

Depending on chosen nose radius:

- Choose -CM for smaller nose radius (0.2)
- Choose -TF for larger nose radius (>0.3)
- Recommended start feed: 0.15 mm/rev (0.006 inch/rev)
- If grooves with tighter tolerance are required, choose -GF
- Recommended start feed: 0.10 mm/rev

To improve chip control:

- increase feed rate
- increase cutting speed



# CoroReamer® 830

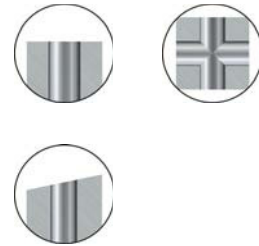
Solid carbide reamer

## High feed exchangeable-head tool for through holes

Page N5



### Application



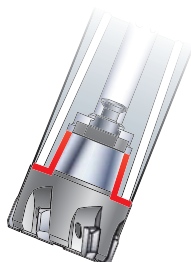
- For steel, nodular cast iron and malleable cast iron materials
- Through hole, angled surface and cross hole



ISO application area

### Product range

- Boring range: 10.00–31.75 mm (.394-1.250 inch)
- Achievable hole tolerance: H7
- Brazed cermet inserts in grade P10R
- Short and long shank options
- Head change



Fast and easy head change with high accuracy <math>< 3\mu\text{m}</math> (120μinch).

# CoroReamer® 435

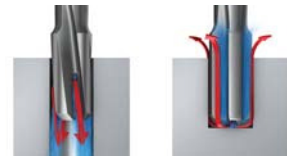
Solid carbide reamer

Flexible and high-performance reamer, suitable for a wide range of materials

Page N15



## Application



Spiral Flute

Straight Flute



ISO application area

## Product range

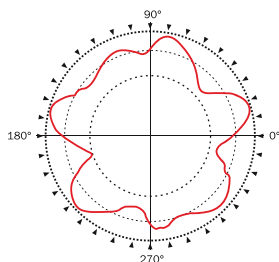
- Standard diameter: 3.97–20 mm (.156–.787 inch)
- Hole tolerance: IT7
- Available in spiral flute for through holes and straight flute for blind holes
- Available as Tailor Made option

Internal coolant (axial for straight flute and lateral for spiral flute) delivers coolant directly to the cutting zone, resulting in longer tool life and good chip evacuation.

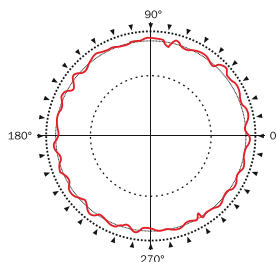
## Flute geometry with extremely unequal flute spacing

Extremely unequal flute spacing means that the divide is not the same for each tooth. As there are no teeth diametrically opposite each other, the reamer produces a hole with improved hole roundness variance.

*Tailor Made*



Hole roundness with unequal spacing, <math><10 \mu\text{m}</math>



Hole roundness with extremely unequal spacing, 1-2  $\mu\text{m}$

Available as Tailor Made option in intermediate sizes 3.97–20 mm (.156–.787 inch). See page Q5.

# CoroReamer® 835

Solid carbide reamer

## Material specific reamer for maximum performance



### Application

Spiral Flute      Straight Flute

**P M K N H**  
ISO application area

Page N7

### Product range

- Standard diameter: 3.97–20.00 mm (.156–.787 inch)
- Hole tolerance: IT7
- Available in spiral flute for through holes and straight flute for blind holes
- Available as Tailor Made option

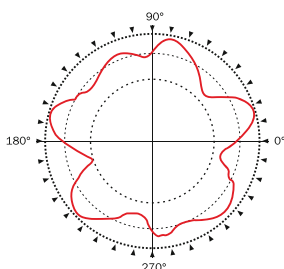
Internal coolant (axial for straight flute and lateral for spiral flute) delivers coolant directly to the cutting zone, resulting in longer tool life and good chip evacuation.

### Flute geometry with extremely unequal flute spacing

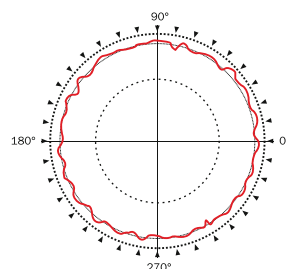
Extremely unequal flute spacing means that the divide is not the same for each tooth. As there are no teeth diametrically opposite each other, the reamer produces a hole with improved hole roundness variance.

*Tailor Made*

See page Q5



Hole roundness with unequal spacing, <math>< 10 \mu\text{m}</math>



Hole roundness with extremely unequal spacing, 1-2  $\mu\text{m}$

- Available as Tailor Made in intermediate sizes 3.97–20 mm (.156–.787 inch) for ISO P and ISO M. See page Q5.
- Optimized geometries for ISO N and ISO H

## How to choose your reamer

### 1 Define your hole diameter and material to ream

### 2 Select the type of reamer

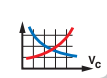
Choose a solid carbide reamer or a reamer with exchangeable head.

### 3 Choice of tool

If your choice is a solid carbide reamer, choose between reamers for through holes and blind holes, optimized for versatility or for specific materials

CoroReamer® 830 is a good choice for through holes, cross holes and angled surfaces in steel, nodular cast iron and malleable cast iron materials.

#### Symbols for page references:



Cutting data



Coolant supply information



Tailor Made options



Explanation of ISO 13399 parameters



Overview of tooling alternatives



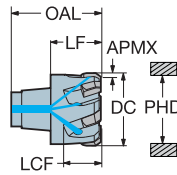
# CoroReamer™ 830 solid carbide head for reaming

Internal coolant supply



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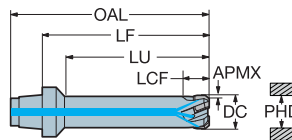


							Dimensions, mm, inch												
DC	DC*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	PHD	PHD*	APMX	APMX*	OAL	OAL*	LF	LF*	LCF	LCF*	CP Bar	CP PSI	BSG	
19.00	.748	S12	0.00	0.02	830A-E06D1900H7S12	18.80	.740	0.30	.011	25.85	1.017	14.50	.570	10.82	.426	20	290	COROMANT	
19.05	.750	S12	0.00	0.02	830A-E06D1905H7S12	18.83	.741	0.30	.011	25.85	1.017	14.50	.570	10.82	.426	20	290	COROMANT	
20.00	.787	S12	0.00	0.02	830A-E06D2000H7S12	19.80	.779	0.30	.011	25.85	1.017	14.50	.570	10.82	.426	20	290	COROMANT	
21.00	.826	S12	0.00	0.02	830A-E06D2100H7S12	20.80	.818	0.30	.011	25.85	1.017	14.50	.570	10.82	.426	20	290	COROMANT	
22.00	.866	S14	0.00	0.02	830A-E06D2200H7S14	21.80	.858	0.30	.011	27.85	1.096	15.50	.610	13.05	.513	20	290	COROMANT	
23.00	.905	S14	0.00	0.02	830A-E06D2300H7S14	22.80	.897	0.30	.011	27.85	1.096	15.50	.610	13.05	.513	20	290	COROMANT	
24.00	.944	S16	0.00	0.02	830A-E06D2400H7S16	23.80	.937	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT	
25.00	.984	S16	0.00	0.02	830A-E06D2500H7S16	24.80	.976	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT	
25.40	1.000	S16	0.00	0.02	830A-E06D2540H7S16	25.20	.992	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT	
26.00	1.023	S16	0.00	0.02	830A-E06D2600H7S16	25.80	1.015	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT	
27.00	1.062	S16	0.00	0.02	830A-E06D2700H7S16	26.80	1.055	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT	
28.00	1.102	S16	0.00	0.02	830A-E06D2800H7S16	27.80	1.094	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT	
29.00	1.141	S16	0.00	0.02	830A-E06D2900H7S16	28.80	1.133	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT	
30.00	1.181	S20	0.00	0.02	830A-E06D3000H7S20	29.80	1.173	0.30	.011	31.85	1.253	17.00	.669	13.21	.520	20	290	COROMANT	
31.75	1.250	S20	0.00	0.02	830A-E06D3175H7S20	31.60	1.244	0.30	.011	31.85	1.253	17.00	.669	13.21	.520	20	290	COROMANT	



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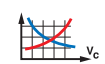
H7  
1



							Dimensions, mm, inch													
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	PHD	PHD*	APMX	APMX*	OAL	OAL*	LF	LF*	LCF	LCF*	CP Bar	CP PSI	BSG
10.00	.393	45.00	1.771	S12	0.00	0.01	830B-E06D1000H7S12	9.80	.385	0.30	.011	71.35	2.809	60.00	2.362	9.99	.393	20	290	COROMANT
11.00	.433	45.00	1.771	S12	0.00	0.01	830B-E06D1100H7S12	10.80	.425	0.30	.011	71.35	2.809	60.00	2.362	10.00	.393	20	290	COROMANT
12.00	.472	45.00	1.771	S12	0.00	0.01	830B-E06D1200H7S12	11.80	.464	0.30	.011	71.35	2.809	60.00	2.362	9.99	.393	20	290	COROMANT
13.00	.511	45.00	1.771	S12	0.00	0.01	830B-E06D1300H7S12	12.80	.503	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
14.00	.551	45.00	1.771	S12	0.00	0.01	830B-E06D1400H7S12	13.80	.543	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
15.00	.590	45.00	1.771	S12	0.00	0.01	830B-E06D1500H7S12	14.80	.582	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
16.00	.629	45.00	1.771	S12	0.00	0.01	830B-E06D1600H7S12	15.80	.622	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
17.00	.669	45.00	1.771	S12	0.00	0.01	830B-E06D1700H7S12	16.80	.661	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
18.00	.708	45.00	1.771	S12	0.00	0.01	830B-E06D1800H7S12	17.80	.700	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT



N6



N19



Q1



Q35

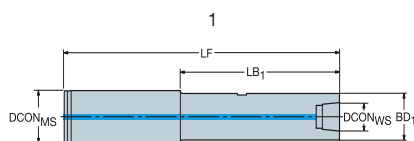


# Cylindrical shank to CoroReamer™ 830 adaptor

Internal coolant supply



CNSC



CZC <sub>MS</sub>	CZC <sub>WS</sub>	Ordering code	Dimensions, mm, inch						
			DCON <sub>MS</sub>	LF	OAL	CP Bar	CP PSI	Kg	
M	S12	830-S12A20035F	20	35.0	85.0	100		0.1	
			.787	1.378	3.346		1450		
	S12	830-S12A20069F	20	68.5	118.5	100		0.2	
			.787	2.697	4.665		1450		
	S12	830-S12A20130F	20	129.5	179.5	100		0.4	
			.787	5.098	7.066		1450		
	S14	830-S14A20070F	20	69.5	119.5	100		0.2	
			.787	2.736	4.704		1450		
	S14	830-S14A20131F	20	130.5	180.5	100		0.4	
			.787	5.138	7.106		1450		
	25	S16	830-S16A25090F	25	90.0	150.0	100		0.4
				.984	3.543	5.905		1450	
S16	830-S16A25151F	25	151.0	211.0	100		0.6		
		.984	5.945	8.307		1450			
S20	830-S20A25089F	25	89.0	149.0	100		0.6		
		.984	3.504	5.866		1450			
S20	830-S20A25150F	25	150.0	210.0	100		1.0		
		.984	5.906	8.267		1450			

## Main spare parts

For reamer diameter	Key for head (mm)	Retention knob with cutting fluid through	Retention knob without cutting fluid through
10-18 mm (.394-.709 inch)	3021 010-040 (4.0)	5519 107-01	-
19-23 mm (.748-.906 inch)	3021 010-040 (4.0)	-	5519 106-01
24-31.75 mm (.945-1.250 inch)	3021 010-050 (5.0)	-	5519 106-02



O5



Q1



Q35

# CoroReamer™ 835 solid carbide reamer

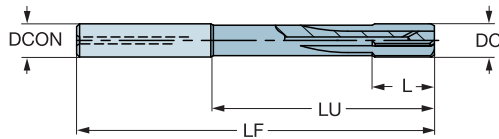
Straight Flute

For blind holes



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DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	P		K		Dimensions, mm, inch													
								1024	1024	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG					
3.97	.156	39.00	1.535	6	0.00	0.01	835.B-0397-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT					
3.98	.156	39.00	1.535	6	0.00	0.01	835.B-0398-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT					
3.99	.157	39.00	1.535	6	0.00	0.01	835.B-0399-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT					
4.00	.157	39.00	1.535	6	0.00	0.01	835.B-0400-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT					
4.01	.157	39.00	1.535	6	0.00	0.01	835.B-0401-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT					
4.02	.158	39.00	1.535	6	0.00	0.01	835.B-0402-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT					
4.03	.158	39.00	1.535	6	0.00	0.01	835.B-0403-A1-PF	☆	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT					
4.50	.177	39.00	1.535	6	0.00	0.01	835.B-0450-A1-PF	☆	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT					
4.97	.195	39.00	1.535	6	0.00	0.01	835.B-0497-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT					
4.98	.196	39.00	1.535	6	0.00	0.01	835.B-0498-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT					
4.99	.196	39.00	1.535	6	0.00	0.01	835.B-0499-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT					
5.00	.196	39.00	1.535	6	0.00	0.01	835.B-0500-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT					
5.01	.197	39.00	1.535	6	0.00	0.01	835.B-0501-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT					
5.02	.197	39.00	1.535	6	0.00	0.01	835.B-0502-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT					
5.03	.198	39.00	1.535	6	0.00	0.01	835.B-0503-A1-PF	☆	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT					
5.50	.216	39.00	1.535	6	0.00	0.01	835.B-0550-A1-PF	☆	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT					
5.97	.235	39.00	1.535	6	0.00	0.01	835.B-0597-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT					
5.98	.235	39.00	1.535	6	0.00	0.01	835.B-0598-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT					
5.99	.235	39.00	1.535	6	0.00	0.01	835.B-0599-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT					
6.00	.236	39.00	1.535	6	0.00	0.01	835.B-0600-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT					
6.01	.236	39.00	1.535	6	0.00	0.01	835.B-0601-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT					
6.02	.237	39.00	1.535	6	0.00	0.01	835.B-0602-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT					
6.03	.237	39.00	1.535	6	0.00	0.01	835.B-0603-A1-PF	☆	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT					
6.50	.255	64.00	2.519	8	0.00	0.01	835.B-0650-A1-PF	☆	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT					
7.00	.275	64.00	2.519	8	0.00	0.01	835.B-0700-A1-PF	☆	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT					
7.50	.295	64.00	2.519	8	0.00	0.01	835.B-0750-A1-PF	☆	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT					
7.97	.313	64.00	2.519	8	0.00	0.01	835.B-0797-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT					
7.98	.314	64.00	2.519	8	0.00	0.01	835.B-0798-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT					
7.99	.314	64.00	2.519	8	0.00	0.01	835.B-0799-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT					
8.00	.314	64.00	2.519	8	0.00	0.01	835.B-0800-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT					
8.01	.315	64.00	2.519	8	0.00	0.01	835.B-0801-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT					
8.02	.315	64.00	2.519	8	0.00	0.01	835.B-0802-A1-PF	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT					
8.03	.316	64.00	2.519	8	0.00	0.01	835.B-0803-A1-PF	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT					
8.50	.334	60.00	2.362	10	0.00	0.01	835.B-0850-A1-PF	☆	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT					
9.00	.354	60.00	2.362	10	0.00	0.01	835.B-0900-A1-PF	☆	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT					
9.50	.374	80.00	3.149	10	0.00	0.01	835.B-0950-A1-PF	☆	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT					
9.97	.392	80.00	3.149	10	0.00	0.01	835.B-0997-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT					
9.98	.392	80.00	3.149	10	0.00	0.01	835.B-0998-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT					
9.99	.393	80.00	3.149	10	0.00	0.01	835.B-0999-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT					
10.00	.393	80.00	3.149	10	0.00	0.01	835.B-1000-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT					
10.01	.394	80.00	3.149	10	0.00	0.01	835.B-1001-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT					
10.02	.394	80.00	3.149	10	0.00	0.01	835.B-1002-A1-PF	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT					
10.03	.394	80.00	3.149	10	0.00	0.01	835.B-1003-A1-PF	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT					
10.50	.413	75.00	2.952	12	0.00	0.01	835.B-1050-A1-PF	☆	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT					
11.00	.433	75.00	2.952	12	0.00	0.01	835.B-1100-A1-PF	☆	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT					
11.50	.452	75.00	2.952	12	0.00	0.01	835.B-1150-A1-PF	☆	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT					
11.97	.471	75.00	2.952	12	0.00	0.01	835.B-1197-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT					
11.98	.471	75.00	2.952	12	0.00	0.01	835.B-1198-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT					



O5



Q5



N20



Q1



Q35

# CoroReamer™ 835 solid carbide reamer

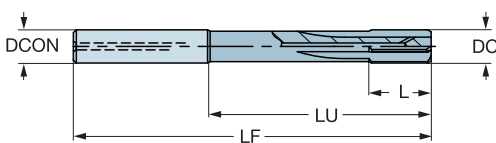
Straight Flute

For blind holes

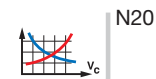


TCHA  
CNCS

H7  
1



										P	K	Dimensions, mm, inch									
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	1024	1024	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG	
11.99	.472	75.00	2.952	12	0.00	0.01	835.B-1199-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.00	.472	75.00	2.952	12	0.00	0.01	835.B-1200-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.01	.472	75.00	2.952	12	0.00	0.01	835.B-1201-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.02	.473	75.00	2.952	12	0.00	0.01	835.B-1202-A1-PF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT	
12.03	.473	75.00	2.952	12	0.00	0.01	835.B-1203-A1-PF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT	
13.00	.511	85.00	3.346	14	0.00	0.01	835.B-1300-A1-PF	☆	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT	
14.00	.551	85.00	3.346	14	0.00	0.01	835.B-1400-A1-PF	☆	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT	
15.00	.590	82.00	3.228	16	0.00	0.01	835.B-1500-A1-PF	☆	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT	
16.00	.629	102.00	4.015	16	0.00	0.01	835.B-1600-A1-PF	☆	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT	
17.00	.669	102.00	4.015	18	0.00	0.01	835.B-1700-A1-PF	☆	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT	
18.00	.708	102.00	4.015	18	0.00	0.01	835.B-1800-A1-PF	☆	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT	
19.00	.748	100.00	3.937	20	0.00	0.02	835.B-1900-A1-PF	☆	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT	
20.00	.787	100.00	3.937	20	0.00	0.02	835.B-2000-A1-PF	☆	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT	



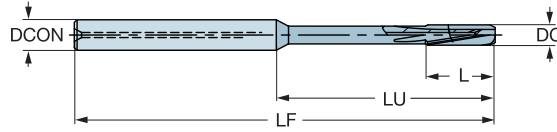
# CoroReamer™ 835 solid carbide reamer

Spiral Flute  
For through holes



TCHA  
CNCS

H7  
1



							P	K	Dimensions, mm, inch											
							1024	1024	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG	
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code													
3.97	.156	39.00	1.535	6	0.00	0.01	835.T-0397-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
3.98	.156	39.00	1.535	6	0.00	0.01	835.T-0398-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
3.99	.157	39.00	1.535	6	0.00	0.01	835.T-0399-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
4.00	.157	39.00	1.535	6	0.00	0.01	835.T-0400-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
4.01	.157	39.00	1.535	6	0.00	0.01	835.T-0401-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
4.02	.158	39.00	1.535	6	0.00	0.01	835.T-0402-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
4.03	.158	39.00	1.535	6	0.00	0.01	835.T-0403-A1-PF	☆	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT
4.50	.177	39.00	1.535	6	0.00	0.01	835.T-0450-A1-PF	☆	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT
4.97	.195	39.00	1.535	6	0.00	0.01	835.T-0497-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
4.98	.196	39.00	1.535	6	0.00	0.01	835.T-0498-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
4.99	.196	39.00	1.535	6	0.00	0.01	835.T-0499-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
5.00	.196	39.00	1.535	6	0.00	0.01	835.T-0500-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
5.01	.197	39.00	1.535	6	0.00	0.01	835.T-0501-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
5.02	.197	39.00	1.535	6	0.00	0.01	835.T-0502-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
5.03	.198	39.00	1.535	6	0.00	0.01	835.T-0503-A1-PF	☆	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT
5.50	.216	39.00	1.535	6	0.00	0.01	835.T-0550-A1-PF	☆	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT
5.97	.235	39.00	1.535	6	0.00	0.01	835.T-0597-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
5.98	.235	39.00	1.535	6	0.00	0.01	835.T-0598-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
5.99	.235	39.00	1.535	6	0.00	0.01	835.T-0599-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
6.00	.236	39.00	1.535	6	0.00	0.01	835.T-0600-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
6.01	.236	39.00	1.535	6	0.00	0.01	835.T-0601-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
6.02	.237	39.00	1.535	6	0.00	0.01	835.T-0602-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
6.03	.237	39.00	1.535	6	0.00	0.01	835.T-0603-A1-PF	☆	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT
6.50	.255	64.00	2.519	8	0.00	0.01	835.T-0650-A1-PF	☆	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT
7.00	.275	64.00	2.519	8	0.00	0.01	835.T-0700-A1-PF	☆	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT
7.50	.295	64.00	2.519	8	0.00	0.01	835.T-0750-A1-PF	☆	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT
7.97	.313	64.00	2.519	8	0.00	0.01	835.T-0797-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
7.98	.314	64.00	2.519	8	0.00	0.01	835.T-0798-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
7.99	.314	64.00	2.519	8	0.00	0.01	835.T-0799-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
8.00	.314	64.00	2.519	8	0.00	0.01	835.T-0800-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
8.01	.315	64.00	2.519	8	0.00	0.01	835.T-0801-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
8.02	.315	64.00	2.519	8	0.00	0.01	835.T-0802-A1-PF	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT
8.03	.316	64.00	2.519	8	0.00	0.01	835.T-0803-A1-PF	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT
8.50	.334	60.00	2.362	10	0.00	0.01	835.T-0850-A1-PF	☆	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT
9.00	.354	60.00	2.362	10	0.00	0.01	835.T-0900-A1-PF	☆	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT
9.50	.374	80.00	3.149	10	0.00	0.01	835.T-0950-A1-PF	☆	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT
9.97	.392	80.00	3.149	10	0.00	0.01	835.T-0997-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
9.98	.392	80.00	3.149	10	0.00	0.01	835.T-0998-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
9.99	.393	80.00	3.149	10	0.00	0.01	835.T-0999-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
10.00	.393	80.00	3.149	10	0.00	0.01	835.T-1000-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
10.01	.394	80.00	3.149	10	0.00	0.01	835.T-1001-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
10.02	.394	80.00	3.149	10	0.00	0.01	835.T-1002-A1-PF	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT
10.03	.394	80.00	3.149	10	0.00	0.01	835.T-1003-A1-PF	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT
10.50	.413	75.00	2.952	12	0.00	0.01	835.T-1050-A1-PF	☆	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT
11.00	.433	75.00	2.952	12	0.00	0.01	835.T-1100-A1-PF	☆	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT
11.50	.452	75.00	2.952	12	0.00	0.01	835.T-1150-A1-PF	☆	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT
11.97	.471	75.00	2.952	12	0.00	0.01	835.T-1197-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
11.98	.471	75.00	2.952	12	0.00	0.01	835.T-1198-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT

O5 Q5 N20 Q1 Q35



# CoroReamer™ 835 solid carbide reamer

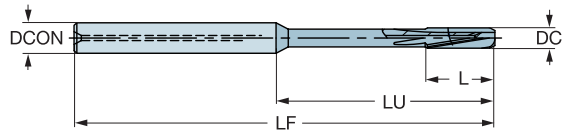
Spiral Flute

For through holes

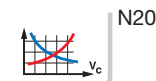


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										P	K	Dimensions, mm, inch									
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	1024	1024	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG	
11.99	.472	75.00	2.952	12	0.00	0.01	835.T-1199-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.00	.472	75.00	2.952	12	0.00	0.01	835.T-1200-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.01	.472	75.00	2.952	12	0.00	0.01	835.T-1201-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.02	.473	75.00	2.952	12	0.00	0.01	835.T-1202-A1-PF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT	
12.03	.473	75.00	2.952	12	0.00	0.01	835.T-1203-A1-PF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT	
13.00	.511	85.00	3.346	14	0.00	0.01	835.T-1300-A1-PF	☆	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT	
14.00	.551	85.00	3.346	14	0.00	0.01	835.T-1400-A1-PF	☆	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT	
15.00	.590	82.00	3.228	16	0.00	0.01	835.T-1500-A1-PF	☆	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT	
16.00	.629	102.00	4.015	16	0.00	0.01	835.T-1600-A1-PF	☆	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT	
17.00	.669	102.00	4.015	18	0.00	0.01	835.T-1700-A1-PF	☆	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT	
18.00	.708	102.00	4.015	18	0.00	0.01	835.T-1800-A1-PF	☆	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT	
19.00	.748	100.00	3.937	20	0.00	0.02	835.T-1900-A1-PF	☆	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT	
20.00	.787	100.00	3.937	20	0.00	0.02	835.T-2000-A1-PF	☆	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT	



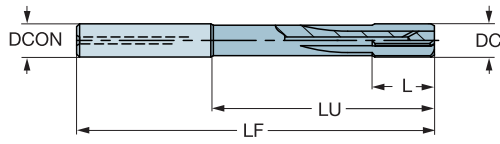
# CoroReamer™ 835 solid carbide reamer

Straight Flute

For blind holes

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							M Dimensions, mm, inch												
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	1024	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG
3.97	.156	39.00	1.535	6	0.00	0.01	835.B-0397-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
3.98	.156	39.00	1.535	6	0.00	0.01	835.B-0398-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
3.99	.157	39.00	1.535	6	0.00	0.01	835.B-0399-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
4.00	.157	39.00	1.535	6	0.00	0.01	835.B-0400-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
4.01	.157	39.00	1.535	6	0.00	0.01	835.B-0401-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
4.02	.158	39.00	1.535	6	0.00	0.01	835.B-0402-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT
4.03	.158	39.00	1.535	6	0.00	0.01	835.B-0403-A1-MF	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT
4.50	.177	39.00	1.535	6	0.00	0.01	835.B-0450-A1-MF	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT
4.97	.195	39.00	1.535	6	0.00	0.01	835.B-0497-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
4.98	.196	39.00	1.535	6	0.00	0.01	835.B-0498-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
4.99	.196	39.00	1.535	6	0.00	0.01	835.B-0499-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
5.00	.196	39.00	1.535	6	0.00	0.01	835.B-0500-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
5.01	.197	39.00	1.535	6	0.00	0.01	835.B-0501-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
5.02	.197	39.00	1.535	6	0.00	0.01	835.B-0502-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT
5.03	.198	39.00	1.535	6	0.00	0.01	835.B-0503-A1-MF	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT
5.50	.216	39.00	1.535	6	0.00	0.01	835.B-0550-A1-MF	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT
5.97	.235	39.00	1.535	6	0.00	0.01	835.B-0597-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
5.98	.235	39.00	1.535	6	0.00	0.01	835.B-0598-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
5.99	.235	39.00	1.535	6	0.00	0.01	835.B-0599-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
6.00	.236	39.00	1.535	6	0.00	0.01	835.B-0600-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
6.01	.236	39.00	1.535	6	0.00	0.01	835.B-0601-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
6.02	.237	39.00	1.535	6	0.00	0.01	835.B-0602-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT
6.03	.237	39.00	1.535	6	0.00	0.01	835.B-0603-A1-MF	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT
6.50	.255	64.00	2.519	8	0.00	0.01	835.B-0650-A1-MF	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT
7.00	.275	64.00	2.519	8	0.00	0.01	835.B-0700-A1-MF	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT
7.50	.295	64.00	2.519	8	0.00	0.01	835.B-0750-A1-MF	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT
7.97	.313	64.00	2.519	8	0.00	0.01	835.B-0797-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
7.98	.314	64.00	2.519	8	0.00	0.01	835.B-0798-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
7.99	.314	64.00	2.519	8	0.00	0.01	835.B-0799-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
8.00	.314	64.00	2.519	8	0.00	0.01	835.B-0800-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
8.01	.315	64.00	2.519	8	0.00	0.01	835.B-0801-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT
8.02	.315	64.00	2.519	8	0.00	0.01	835.B-0802-A1-MF	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT
8.03	.316	64.00	2.519	8	0.00	0.01	835.B-0803-A1-MF	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT
8.50	.334	60.00	2.362	10	0.00	0.01	835.B-0850-A1-MF	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT
9.00	.354	60.00	2.362	10	0.00	0.01	835.B-0900-A1-MF	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT
9.50	.374	80.00	3.149	10	0.00	0.01	835.B-0950-A1-MF	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT
9.97	.392	80.00	3.149	10	0.00	0.01	835.B-0997-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
9.98	.392	80.00	3.149	10	0.00	0.01	835.B-0998-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
9.99	.393	80.00	3.149	10	0.00	0.01	835.B-0999-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
10.00	.393	80.00	3.149	10	0.00	0.01	835.B-1000-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
10.01	.394	80.00	3.149	10	0.00	0.01	835.B-1001-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT
10.02	.394	80.00	3.149	10	0.00	0.01	835.B-1002-A1-MF	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT
10.03	.394	80.00	3.149	10	0.00	0.01	835.B-1003-A1-MF	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT
10.50	.413	75.00	2.952	12	0.00	0.01	835.B-1050-A1-MF	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT
11.00	.433	75.00	2.952	12	0.00	0.01	835.B-1100-A1-MF	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT
11.50	.452	75.00	2.952	12	0.00	0.01	835.B-1150-A1-MF	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT
11.97	.471	75.00	2.952	12	0.00	0.01	835.B-1197-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
11.98	.471	75.00	2.952	12	0.00	0.01	835.B-1198-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT



O5



Q5



N20



Q1



Q35



# CoroReamer™ 835 solid carbide reamer

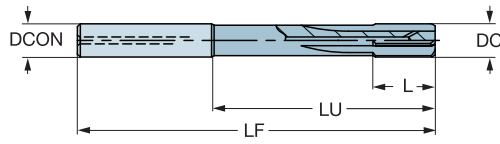
Straight Flute

For blind holes

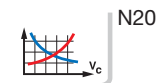


TCHA  
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										M Dimensions, mm, inch										
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	M 1024		DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG
11.99	.472	75.00	2.952	12	0.00	0.01	835.B-1199-A1-MF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
12.00	.472	75.00	2.952	12	0.00	0.01	835.B-1200-A1-MF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
12.01	.472	75.00	2.952	12	0.00	0.01	835.B-1201-A1-MF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
12.02	.473	75.00	2.952	12	0.00	0.01	835.B-1202-A1-MF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT
12.03	.473	75.00	2.952	12	0.00	0.01	835.B-1203-A1-MF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT
13.00	.511	85.00	3.346	14	0.00	0.01	835.B-1300-A1-MF	☆	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT
14.00	.551	85.00	3.346	14	0.00	0.01	835.B-1400-A1-MF	☆	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT
15.00	.590	82.00	3.228	16	0.00	0.01	835.B-1500-A1-MF	☆	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT
16.00	.629	102.00	4.015	16	0.00	0.01	835.B-1600-A1-MF	☆	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT
17.00	.669	102.00	4.015	18	0.00	0.01	835.B-1700-A1-MF	☆	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT
18.00	.708	102.00	4.015	18	0.00	0.01	835.B-1800-A1-MF	☆	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT
19.00	.748	100.00	3.937	20	0.00	0.02	835.B-1900-A1-MF	☆	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT
20.00	.787	100.00	3.937	20	0.00	0.02	835.B-2000-A1-MF	☆	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT





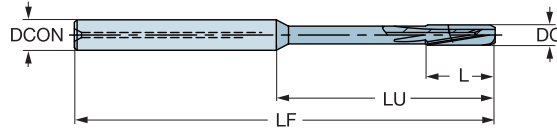
# CoroReamer™ 835 solid carbide reamer

Spiral Flute

For through holes

TCHA  
CN5C

H7  
1



										M	Dimensions, mm, inch									
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	1024	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG	
3.97	.156	39.00	1.535	6	0.00	0.01	835.T-0397-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
3.98	.156	39.00	1.535	6	0.00	0.01	835.T-0398-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
3.99	.157	39.00	1.535	6	0.00	0.01	835.T-0399-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
4.00	.157	39.00	1.535	6	0.00	0.01	835.T-0400-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
4.01	.157	39.00	1.535	6	0.00	0.01	835.T-0401-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
4.02	.158	39.00	1.535	6	0.00	0.01	835.T-0402-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
4.03	.158	39.00	1.535	6	0.00	0.01	835.T-0403-A1-MF	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT	
4.50	.177	39.00	1.535	6	0.00	0.01	835.T-0450-A1-MF	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT	
4.97	.195	39.00	1.535	6	0.00	0.01	835.T-0497-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
4.98	.196	39.00	1.535	6	0.00	0.01	835.T-0498-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
4.99	.196	39.00	1.535	6	0.00	0.01	835.T-0499-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
5.00	.196	39.00	1.535	6	0.00	0.01	835.T-0500-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
5.01	.197	39.00	1.535	6	0.00	0.01	835.T-0501-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
5.02	.197	39.00	1.535	6	0.00	0.01	835.T-0502-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
5.03	.198	39.00	1.535	6	0.00	0.01	835.T-0503-A1-MF	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT	
5.50	.216	39.00	1.535	6	0.00	0.01	835.T-0550-A1-MF	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT	
5.97	.235	39.00	1.535	6	0.00	0.01	835.T-0597-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
5.98	.235	39.00	1.535	6	0.00	0.01	835.T-0598-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
5.99	.235	39.00	1.535	6	0.00	0.01	835.T-0599-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
6.00	.236	39.00	1.535	6	0.00	0.01	835.T-0600-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
6.01	.236	39.00	1.535	6	0.00	0.01	835.T-0601-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
6.02	.237	39.00	1.535	6	0.00	0.01	835.T-0602-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
6.03	.237	39.00	1.535	6	0.00	0.01	835.T-0603-A1-MF	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT	
6.50	.255	64.00	2.519	8	0.00	0.01	835.T-0650-A1-MF	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT	
7.00	.275	64.00	2.519	8	0.00	0.01	835.T-0700-A1-MF	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT	
7.50	.295	64.00	2.519	8	0.00	0.01	835.T-0750-A1-MF	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT	
7.97	.313	64.00	2.519	8	0.00	0.01	835.T-0797-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
7.98	.314	64.00	2.519	8	0.00	0.01	835.T-0798-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
7.99	.314	64.00	2.519	8	0.00	0.01	835.T-0799-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
8.00	.314	64.00	2.519	8	0.00	0.01	835.T-0800-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
8.01	.315	64.00	2.519	8	0.00	0.01	835.T-0801-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
8.02	.315	64.00	2.519	8	0.00	0.01	835.T-0802-A1-MF	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT	
8.03	.316	64.00	2.519	8	0.00	0.01	835.T-0803-A1-MF	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT	
8.50	.334	60.00	2.362	10	0.00	0.01	835.T-0850-A1-MF	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT	
9.00	.354	60.00	2.362	10	0.00	0.01	835.T-0900-A1-MF	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT	
9.50	.374	80.00	3.149	10	0.00	0.01	835.T-0950-A1-MF	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT	
9.97	.392	80.00	3.149	10	0.00	0.01	835.T-0997-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
9.98	.392	80.00	3.149	10	0.00	0.01	835.T-0998-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
9.99	.393	80.00	3.149	10	0.00	0.01	835.T-0999-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
10.00	.393	80.00	3.149	10	0.00	0.01	835.T-1000-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
10.01	.394	80.00	3.149	10	0.00	0.01	835.T-1001-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
10.02	.394	80.00	3.149	10	0.00	0.01	835.T-1002-A1-MF	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT	
10.03	.394	80.00	3.149	10	0.00	0.01	835.T-1003-A1-MF	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT	
10.50	.413	75.00	2.952	12	0.00	0.01	835.T-1050-A1-MF	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT	
11.00	.433	75.00	2.952	12	0.00	0.01	835.T-1100-A1-MF	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT	
11.50	.452	75.00	2.952	12	0.00	0.01	835.T-1150-A1-MF	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT	
11.97	.471	75.00	2.952	12	0.00	0.01	835.T-1197-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
11.98	.471	75.00	2.952	12	0.00	0.01	835.T-1198-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	



O5



Q5



N20



Q1



Q35



# CoroReamer™ 835 solid carbide reamer

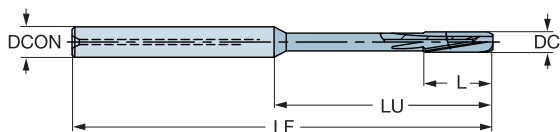
Spiral Flute

For through holes

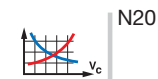


TCHA  
CN5C

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1



											M		Dimensions, mm, inch						
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	1024	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG
11.99	.472	75.00	2.952	12	0.00	0.01	835.T-1199-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
12.00	.472	75.00	2.952	12	0.00	0.01	835.T-1200-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
12.01	.472	75.00	2.952	12	0.00	0.01	835.T-1201-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
12.02	.473	75.00	2.952	12	0.00	0.01	835.T-1202-A1-MF	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT
12.03	.473	75.00	2.952	12	0.00	0.01	835.T-1203-A1-MF	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT
13.00	.511	85.00	3.346	14	0.00	0.01	835.T-1300-A1-MF	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT
14.00	.551	85.00	3.346	14	0.00	0.01	835.T-1400-A1-MF	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT
15.00	.590	82.00	3.228	16	0.00	0.01	835.T-1500-A1-MF	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT
16.00	.629	102.00	4.015	16	0.00	0.01	835.T-1600-A1-MF	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT
17.00	.669	102.00	4.015	18	0.00	0.01	835.T-1700-A1-MF	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT
18.00	.708	102.00	4.015	18	0.00	0.01	835.T-1800-A1-MF	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT
19.00	.748	100.00	3.937	20	0.00	0.02	835.T-1900-A1-MF	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT
20.00	.787	100.00	3.937	20	0.00	0.02	835.T-2000-A1-MF	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT



# CoroReamer™ 435 solid carbide reamer

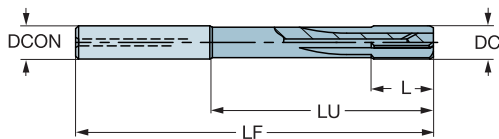
Straight Flute

For blind holes



TCHA  
CNCS

H7  
1



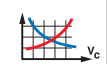
								P			K			N			Dimensions, mm, inch						
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	H10F	H7F	H6F	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG		
3.97	.156	39.00	1.535	6	0.00	0.01	435.B-0397-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
3.98	.156	39.00	1.535	6	0.00	0.01	435.B-0398-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
3.99	.157	39.00	1.535	6	0.00	0.01	435.B-0399-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.00	.157	39.00	1.535	6	0.00	0.01	435.B-0400-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.01	.157	39.00	1.535	6	0.00	0.01	435.B-0401-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.02	.158	39.00	1.535	6	0.00	0.01	435.B-0402-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.03	.158	39.00	1.535	6	0.00	0.01	435.B-0403-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT		
4.50	.177	39.00	1.535	6	0.00	0.01	435.B-0450-A1-XF	☆	☆	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT		
4.97	.195	39.00	1.535	6	0.00	0.01	435.B-0497-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
4.98	.196	39.00	1.535	6	0.00	0.01	435.B-0498-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
4.99	.196	39.00	1.535	6	0.00	0.01	435.B-0499-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.00	.196	39.00	1.535	6	0.00	0.01	435.B-0500-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.01	.197	39.00	1.535	6	0.00	0.01	435.B-0501-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.02	.197	39.00	1.535	6	0.00	0.01	435.B-0502-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.03	.198	39.00	1.535	6	0.00	0.01	435.B-0503-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT		
5.50	.216	39.00	1.535	6	0.00	0.01	435.B-0550-A1-XF	☆	☆	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT		
5.97	.235	39.00	1.535	6	0.00	0.01	435.B-0597-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
5.98	.235	39.00	1.535	6	0.00	0.01	435.B-0598-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
5.99	.235	39.00	1.535	6	0.00	0.01	435.B-0599-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.00	.236	39.00	1.535	6	0.00	0.01	435.B-0600-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.01	.236	39.00	1.535	6	0.00	0.01	435.B-0601-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.02	.237	39.00	1.535	6	0.00	0.01	435.B-0602-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.03	.237	39.00	1.535	6	0.00	0.01	435.B-0603-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT		
6.50	.255	64.00	2.519	8	0.00	0.01	435.B-0650-A1-XF	☆	☆	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT		
7.00	.275	64.00	2.519	8	0.00	0.01	435.B-0700-A1-XF	☆	☆	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT		
7.50	.295	64.00	2.519	8	0.00	0.01	435.B-0750-A1-XF	☆	☆	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT		
7.97	.313	64.00	2.519	8	0.00	0.01	435.B-0797-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
7.98	.314	64.00	2.519	8	0.00	0.01	435.B-0798-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
7.99	.314	64.00	2.519	8	0.00	0.01	435.B-0799-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.00	.314	64.00	2.519	8	0.00	0.01	435.B-0800-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.01	.315	64.00	2.519	8	0.00	0.01	435.B-0801-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.02	.315	64.00	2.519	8	0.00	0.01	435.B-0802-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT		
8.03	.316	64.00	2.519	8	0.00	0.01	435.B-0803-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT		
8.50	.334	60.00	2.362	10	0.00	0.01	435.B-0850-A1-XF	☆	☆	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT		
9.00	.354	60.00	2.362	10	0.00	0.01	435.B-0900-A1-XF	☆	☆	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT		
9.50	.374	80.00	3.149	10	0.00	0.01	435.B-0950-A1-XF	☆	☆	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT		
9.97	.392	80.00	3.149	10	0.00	0.01	435.B-0997-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
9.98	.392	80.00	3.149	10	0.00	0.01	435.B-0998-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
9.99	.393	80.00	3.149	10	0.00	0.01	435.B-0999-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.00	.393	80.00	3.149	10	0.00	0.01	435.B-1000-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.01	.394	80.00	3.149	10	0.00	0.01	435.B-1001-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.02	.394	80.00	3.149	10	0.00	0.01	435.B-1002-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT		
10.03	.394	80.00	3.149	10	0.00	0.01	435.B-1003-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT		
10.50	.413	75.00	2.952	12	0.00	0.01	435.B-1050-A1-XF	☆	☆	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT		
11.00	.433	75.00	2.952	12	0.00	0.01	435.B-1100-A1-XF	☆	☆	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT		
11.50	.452	75.00	2.952	12	0.00	0.01	435.B-1150-A1-XF	☆	☆	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT		
11.97	.471	75.00	2.952	12	0.00	0.01	435.B-1197-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
11.98	.471	75.00	2.952	12	0.00	0.01	435.B-1198-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		



O5



Q5



N24



Q1



Q35

# CoroReamer™ 435 solid carbide reamer

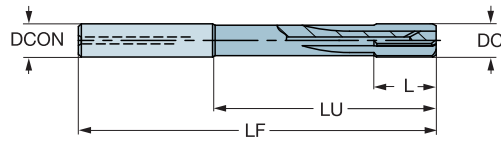
Straight Flute

For blind holes

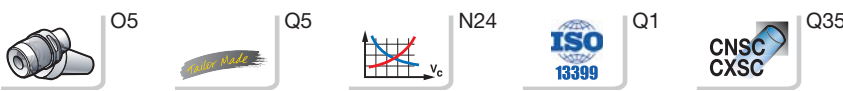


TCHA  
CN5C

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1



										P	K	N	Dimensions, mm, inch									
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	H10F	H9F	H8F	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG	
11.99	.472	75.00	2.952	12	0.00	0.01	435.B-1199-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.00	.472	75.00	2.952	12	0.00	0.01	435.B-1200-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.01	.472	75.00	2.952	12	0.00	0.01	435.B-1201-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.02	.473	75.00	2.952	12	0.00	0.01	435.B-1202-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT	
12.03	.473	75.00	2.952	12	0.00	0.01	435.B-1203-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT	
13.00	.511	85.00	3.346	14	0.00	0.01	435.B-1300-A1-XF	☆	☆	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT	
14.00	.551	85.00	3.346	14	0.00	0.01	435.B-1400-A1-XF	☆	☆	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT	
15.00	.590	82.00	3.228	16	0.00	0.01	435.B-1500-A1-XF	☆	☆	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT	
16.00	.629	102.00	4.015	16	0.00	0.01	435.B-1600-A1-XF	☆	☆	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT	
17.00	.669	102.00	4.015	18	0.00	0.01	435.B-1700-A1-XF	☆	☆	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT	
18.00	.708	102.00	4.015	18	0.00	0.01	435.B-1800-A1-XF	☆	☆	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT	
19.00	.748	100.00	3.937	20	0.00	0.02	435.B-1900-A1-XF	☆	☆	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT	
20.00	.787	100.00	3.937	20	0.00	0.02	435.B-2000-A1-XF	☆	☆	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT	



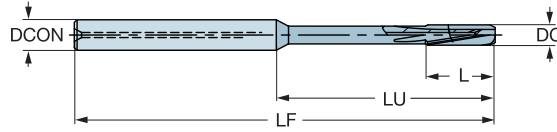
# CoroReamer™ 435 solid carbide reamer

Spiral Flute  
For through holes



TCHA  
CNSC

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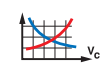
							Dimensions, mm, inch																
							P	K	N												CP	CP	
							H10F	H7F	H7F	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	Bar	PSI	BSG			
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code																
3.97	.156	39.00	1.535	6	0.00	0.01	435.T-0397-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
3.98	.156	39.00	1.535	6	0.00	0.01	435.T-0398-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
3.99	.157	39.00	1.535	6	0.00	0.01	435.T-0399-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.00	.157	39.00	1.535	6	0.00	0.01	435.T-0400-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.01	.157	39.00	1.535	6	0.00	0.01	435.T-0401-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.02	.158	39.00	1.535	6	0.00	0.01	435.T-0402-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.03	.158	39.00	1.535	6	0.00	0.01	435.T-0403-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT		
4.50	.177	39.00	1.535	6	0.00	0.01	435.T-0450-A1-XF	☆	☆	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT		
4.97	.195	39.00	1.535	6	0.00	0.01	435.T-0497-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
4.98	.196	39.00	1.535	6	0.00	0.01	435.T-0498-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
4.99	.196	39.00	1.535	6	0.00	0.01	435.T-0499-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.00	.196	39.00	1.535	6	0.00	0.01	435.T-0500-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.01	.197	39.00	1.535	6	0.00	0.01	435.T-0501-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.02	.197	39.00	1.535	6	0.00	0.01	435.T-0502-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.03	.198	39.00	1.535	6	0.00	0.01	435.T-0503-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT		
5.50	.216	39.00	1.535	6	0.00	0.01	435.T-0550-A1-XF	☆	☆	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT		
5.97	.235	39.00	1.535	6	0.00	0.01	435.T-0597-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
5.98	.235	39.00	1.535	6	0.00	0.01	435.T-0598-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
5.99	.235	39.00	1.535	6	0.00	0.01	435.T-0599-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.00	.236	39.00	1.535	6	0.00	0.01	435.T-0600-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.01	.236	39.00	1.535	6	0.00	0.01	435.T-0601-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.02	.237	39.00	1.535	6	0.00	0.01	435.T-0602-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.03	.237	39.00	1.535	6	0.00	0.01	435.T-0603-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT		
6.50	.255	64.00	2.519	8	0.00	0.01	435.T-0650-A1-XF	☆	☆	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT		
7.00	.275	64.00	2.519	8	0.00	0.01	435.T-0700-A1-XF	☆	☆	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT		
7.50	.295	64.00	2.519	8	0.00	0.01	435.T-0750-A1-XF	☆	☆	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT		
7.97	.313	64.00	2.519	8	0.00	0.01	435.T-0797-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
7.98	.314	64.00	2.519	8	0.00	0.01	435.T-0798-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
7.99	.314	64.00	2.519	8	0.00	0.01	435.T-0799-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.00	.314	64.00	2.519	8	0.00	0.01	435.T-0800-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.01	.315	64.00	2.519	8	0.00	0.01	435.T-0801-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.02	.315	64.00	2.519	8	0.00	0.01	435.T-0802-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT		
8.03	.316	64.00	2.519	8	0.00	0.01	435.T-0803-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT		
8.50	.334	60.00	2.362	10	0.00	0.01	435.T-0850-A1-XF	☆	☆	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT		
9.00	.354	60.00	2.362	10	0.00	0.01	435.T-0900-A1-XF	☆	☆	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT		
9.50	.374	80.00	3.149	10	0.00	0.01	435.T-0950-A1-XF	☆	☆	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT		
9.97	.392	80.00	3.149	10	0.00	0.01	435.T-0997-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
9.98	.392	80.00	3.149	10	0.00	0.01	435.T-0998-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
9.99	.393	80.00	3.149	10	0.00	0.01	435.T-0999-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.00	.393	80.00	3.149	10	0.00	0.01	435.T-1000-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.01	.394	80.00	3.149	10	0.00	0.01	435.T-1001-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.02	.394	80.00	3.149	10	0.00	0.01	435.T-1002-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT		
10.03	.394	80.00	3.149	10	0.00	0.01	435.T-1003-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT		
10.50	.413	75.00	2.952	12	0.00	0.01	435.T-1050-A1-XF	☆	☆	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT		
11.00	.433	75.00	2.952	12	0.00	0.01	435.T-1100-A1-XF	☆	☆	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT		
11.50	.452	75.00	2.952	12	0.00	0.01	435.T-1150-A1-XF	☆	☆	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT		
11.97	.471	75.00	2.952	12	0.00	0.01	435.T-1197-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
11.98	.471	75.00	2.952	12	0.00	0.01	435.T-1198-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		



O5



Q5



N24



Q1



Q35

# CoroReamer™ 435 solid carbide reamer

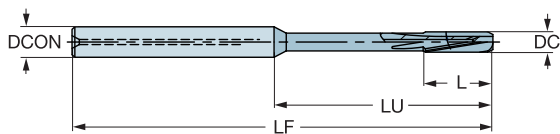
Spiral Flute

For through holes

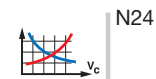


TCHA  
CN5C

H7  
1



										P	K	N	Dimensions, mm, inch									
DC	DC*	LU	LU*	CZC <sub>MS</sub>	TCHAL	TCHAU	Ordering code	H10F	H9F	H8F	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP Bar	CP PSI	BSG	
11.99	.472	75.00	2.952	12	0.00	0.01	435.T-1199-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.00	.472	75.00	2.952	12	0.00	0.01	435.T-1200-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.01	.472	75.00	2.952	12	0.00	0.01	435.T-1201-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
12.02	.473	75.00	2.952	12	0.00	0.01	435.T-1202-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT	
12.03	.473	75.00	2.952	12	0.00	0.01	435.T-1203-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT	
13.00	.511	85.00	3.346	14	0.00	0.01	435.T-1300-A1-XF	☆	☆	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT	
14.00	.551	85.00	3.346	14	0.00	0.01	435.T-1400-A1-XF	☆	☆	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT	
15.00	.590	82.00	3.228	16	0.00	0.01	435.T-1500-A1-XF	☆	☆	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT	
16.00	.629	102.00	4.015	16	0.00	0.01	435.T-1600-A1-XF	☆	☆	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT	
17.00	.669	102.00	4.015	18	0.00	0.01	435.T-1700-A1-XF	☆	☆	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT	
18.00	.708	102.00	4.015	18	0.00	0.01	435.T-1800-A1-XF	☆	☆	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT	
19.00	.748	100.00	3.937	20	0.00	0.02	435.T-1900-A1-XF	☆	☆	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT	
20.00	.787	100.00	3.937	20	0.00	0.02	435.T-2000-A1-XF	☆	☆	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT	



## Cutting data for Reamer 830

## Metric values

ISO	CMC	Material	Hardness Brinell	Grade	Cutting speed	Feed	Radial depth of cut
			HB		$V_c$ m/min	$f_z$ mm/insert	$a_p$ mm
P	01.1 01.2 01.3 01.4	<b>Unalloyed steel</b>		P10R			0.1-0.3
		Non-hardened 0.10-0.25% C	90-200		150-200	0.15-0.25	
		Non-hardened 0.25-0.55% C	125-225		150-200	0.15-0.25	
		Non-hardened 0.55-0.80% C	150-225		140-180	0.15-0.25	
	High carbon & carbon tool steel	180-225	140-180	0.15-0.25			
	02.1 02.2	<b>Low alloy steel</b>		P10R			0.1-0.3
Non-hardened		150-260	110-180		0.15-0.25		
	Hardened and tempered	220-400		70-130	0.10-0.20		
06.1 06.2	<b>Steel castings</b>		P10R			0.1-0.3	
	Unalloyed	90-225		140-180	0.15-0.25		
	Low alloyed	150-250		100-150	0.15-0.25		
K	07.2	<b>Malleable cast iron</b> Perlitic	150-270	P10R	150-200	0.15-0.25	0.1-0.3
	09.2	<b>Nodular cast iron</b> Perlitic	200-300	P10R	110-190	0.15-0.25	0.1-0.3

## Inch values

ISO	CMC	Material	Hardness Brinell	Grade	Cutting speed	Feed	Radial depth of cut
			HB		$V_c$ ft/min	$f_z$ inch/insert	$a_p$ inch
P	01.1 01.2 01.3 01.4	<b>Unalloyed steel</b>		P10R			.004-.012
		Non-hardened 0.10-0.25% C	90-200		490-650	.006-.010	
		Non-hardened 0.25-0.55% C	125-225		490-650	.006-.010	
		Non-hardened 0.55-0.80% C	150-225		460-590	.006-.010	
	High carbon & carbon tool steel	180-225	460-590	.006-.010			
	02.1 02.2	<b>Low alloy steel</b>		P10R			.004-.012
Non-hardened		150-260	360-590		.006-.010		
	Hardened and tempered	220-400		230-425	.004-.008		
06.1 06.2	<b>Steel castings</b>		P10R			.004-.012	
	Unalloyed	90-225		460-590	.006-.010		
	Low alloyed	150-250		330-490	.006-.010		
K	07.2	<b>Malleable cast iron</b> Perlitic	150-270	P10R	490-650	.006-.010	.004-.012
	09.2	<b>Nodular cast iron</b> Perlitic	200-300	P10R	360-620	.006-.010	.004-.012

## Cutting data for CoroReamer™ 835

Metric values

## Geometry -MF

ISO	MC No.	Material	N/mm <sup>2</sup>	HB	MF v <sub>c</sub> m/min		
					Min.	Rec.	Max.
P	P5.0.Z.PH		503	330	24	30	36
M	M1.0.Z.AQ	Stainless steel Austenitic	811	200	32	40	48
	M2.0.Z.AQ	Super austenitic Ni≥20%	961	200	32	40	48
	M3.1.Z.AQ	Duplex (austenitic/ferritic)	674	230	24	30	36
	M3.2.Z.AQ		674	260	24	30	36
	M1.0.C.UT		674	200	32	40	48
	M2.0.C.AQ		200	200	32	40	48
	M3.1.C.AQ		1114	230	24	30	36

## Geometry -PF

ISO	MC No.	Material	N/mm <sup>2</sup>	HB	PF v <sub>c</sub> m/min				
					Min.	Rec.	Max.		
P	P1.1.Z.AN	Unalloyed steel C=0.10-0.25%	428	125	148	185	222		
	P1.1.Z.AN	Hardened and tempered	639	190	148	185	222		
	P1.2.Z.AN	C=0.25-0.55%	639	190	148	185	222		
	P1.2.Z.HT	C=0.55-0.80%	708	210	128	160	192		
	P1.3.Z.AN		639	190	148	185	222		
	P1.3.Z.HT		991	300	112	140	168		
	P2.1.Z.AN		Low alloy steel Non hardened	591	175	148	185	222	
	P2.2.Z.AN	Annealed	811	240	128	160	192		
	P2.3.Z.AN	Hardened and tempered	867	260	112	140	168		
	P2.5.Z.HT.1		961	285	112	140	168		
	P1.5.C.UT	Steel castings Unalloyed	503	150	148	185	222		
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	674	200	128	160	192		
	P	P3.0.Z.AN	High alloy steel Annealed	674	200	128	160	192	
		P3.0.Z.HT.1	Hardened tool steel	1282	380	96	120	144	
		P3.1.Z.AN	Annealed HSS	839	250	128	160	192	
		P5.0.Z.HT.1		1114	330	128	160	192	
		K	K1.1.C.NS	Malleable cast iron Ferritic Pearlitic	428	200	72	90	108
	K		K2.1.C.UT	Grey cast iron Low tensile strength	639	180	96	120	144
			K2.2.C.UT	High tensile strength	639	245	148	185	222
			K2.3.C.UT		708	175	72	90	108
K	K3.1.C.UT		Nodular cast iron Ferritic	639	155	72	90	108	
	K3.2.C.UT		Pearlitic	991	215	72	90	108	
	K3.3.C.UT		Pearlitic	503	265	72	90	108	
	K3.5.C.UT			591	190	72	90	108	
	K5.1.C.NS		ADI	961	300	48	60	72	



# Cutting data for CoroReamer™ 835

## Metric values

### Geometry -MF

3	5	8	DC 10 <i>f<sub>n</sub> mm/rev.</i>	12	16	20
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47

### Geometry -PF

3	5	8	DC 10 <i>f<sub>n</sub> mm/rev.</i>	12	16	20
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.21	0.5	0.7	0.7	1.0	1.0	1.0
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.21	0.5	0.7	0.7	1.0	1.0	1.0
0.21	0.5	0.7	0.7	1.0	1.0	1.0
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.21	0.5	0.7	0.7	1.0	1.0	1.0
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5

# Cutting data for CoroReamer™ 835

Inch values

## Geometry -MF

ISO	MC No.	Material	N/mm <sup>2</sup>	HB	MF ½ feet/min			
					Min.	Rec.	Max.	
P	P5.0.Z.PH		503	330	79	98	118	
M	M1.0.Z.AQ	Stainless steel	811	200	105	131	157	
	M2.0.Z.AQ	Austenitic	961	200	105	131	157	
	M3.1.Z.AQ	Super austenitic Ni≥20%	674	230	79	98	118	
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	674	260	79	98	118	
	M1.0.C.UT		674	200	105	131	157	
	M2.0.C.AQ			200	105	131	157	
	M3.1.C.AQ			1114	230	79	98	118

## Geometry -PF

ISO	MC No.	Material	N/mm <sup>2</sup>	HB	PF ½ feet/min		
					Min.	Rec.	Max.
P	P1.1.Z.AN	Unalloyed steel					
	P1.1.Z.AN	C=0.10-0.25%	428	125	486	607	728
	P1.1.Z.AN	Hardened and tempered	639	190	486	607	728
	P1.2.Z.AN	C=0.25-0.55%	639	190	486	607	728
	P1.2.Z.HT		708	210	420	525	630
	P1.3.Z.AN	C=0.55-0.80%	639	190	486	607	728
	P1.3.Z.HT		991	300	367	459	551
	P2.1.Z.AN	Low alloy steel					
	P2.1.Z.AN	Non hardened	591	175	486	607	728
	P2.2.Z.AN	Annealed	811	240	420	525	630
	P2.3.Z.AN		867	260	367	459	551
	P2.5.Z.HT.1	Hardened and tempered	961	285	367	459	551
	P1.5.C.UT	Steel castings					
	P2.6.C.UT	Unalloyed	503	150	486	607	728
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	674	200	420	525	630
	P3.0.Z.AN	High alloy steel					
	P3.0.Z.AN	Annealed	674	200	420	525	630
	P3.0.Z.HT.1	Hardened tool steel	1282	380	315	394	472
	P3.1.Z.AN	Annealed HSS	839	250	420	525	630
	P5.0.Z.HT.1		1114	330	420	525	630
K	K1.1.C.NS	Malleable cast iron					
	K1.1.C.NS	Ferritic Pearlitic	428	200	236	295	354
	K2.1.C.UT	Grey cast iron					
	K2.1.C.UT	Low tensile strength	639	180	315	394	472
	K2.2.C.UT	High tensile strength	639	245	486	607	728
	K2.3.C.UT		708	175	236	295	354
	K3.1.C.UT	Nodular cast iron					
	K3.1.C.UT	Ferritic	639	155	236	295	354
K3.2.C.UT	Pearlitic	991	215	236	295	354	
K3.3.C.UT	Pearlitic	503	265	236	295	354	
K3.5.C.UT		591	190	236	295	354	
K5.1.C.NS	ADI						
K5.1.C.NS		961	300	157	197	236	

# Cutting data for CoroReamer™ 835

Inch values

## Geometry -MF

3	5	8	DC			
			10	12	16	20
			$f_n$ inch/rev.			
.0063	.0079	.0106	.0126	.0142	.0161	.0185
.0063	.0079	.0106	.0126	.0142	.0161	.0185
.0063	.0079	.0106	.0126	.0142	.0161	.0185
.0063	.0079	.0106	.0126	.0142	.0161	.0185
.0063	.0079	.0106	.0126	.0142	.0161	.0185
.0063	.0079	.0106	.0126	.0142	.0161	.0185
.0063	.0079	.0106	.0126	.0142	.0161	.0185

## Geometry -PF

3	5	8	DC			
			10	12	16	20
			$f_n$ inch/rev.			
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0083	.0197	.0276	.0276	.0394	.0394	.0394
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0083	.0197	.0276	.0276	.0394	.0394	.0394
.0083	.0197	.0276	.0276	.0394	.0394	.0394
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0083	.0197	.0276	.0276	.0394	.0394	.0394
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591
.0118	.0276	.0394	.0394	.0591	.0591	.0591

## Cutting data for CoroReamer™ 435

Metric values

Geometry -XF

ISO	MC No.	Material	N/mm <sup>2</sup>	HB	XF v <sub>c</sub> m/min		
					Min.	Rec.	Max.
P	<b>Unalloyed steel</b>						
	P1.1.Z.AN	C=0.10-0.25%	428	125	24	30	36
	P1.1.Z.AN	Hardened and tempered	639	190	24	30	36
	P1.2.Z.AN	C=0.25-0.55%	639	190	24	30	36
	P1.2.Z.HT		708	210	20	25	30
	P1.3.Z.AN	C=0.55-0.80%	639	190	24	30	36
	P1.3.Z.HT		991	300	16	20	24
	<b>Low alloy steel</b>						
	P2.1.Z.AN	Non-hardened	591	175	24	30	36
	P2.2.Z.AN	Annealed	811	240	20	25	30
	P2.3.Z.AN		867	260	16	20	24
	P2.5.Z.HT.1	Hardened and tempered	961	285	16	20	24
	<b>Steel castings</b>						
	P1.5.C.UT	Unalloyed	503	150	24	30	36
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	674	200	20	25	30
<b>High alloy steel</b>							
P3.0.Z.AN	Annealed	674	200	20	25	30	
P3.0.Z.HT.1		1282	380	12	15	18	
P3.1.Z.AN	Annealed HSS	839	250	20	25	30	
P5.0.Z.HT.1		1114	330	20	25	30	
P5.0.Z.PH		503	330				
M	<b>Stainless steel</b>						
	M1.0.Z.AQ	Austenitic	811	200	-	-	-
	M2.0.Z.AQ	Super austenitic Ni≥20%	961	200	-	-	-
	M3.1.Z.AQ		674	230	-	-	-
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	674	260	-	-	-
	M1.0.C.UT		674	200	-	-	-
	M2.0.C.AQ		200		-	-	-
M3.1.C.AQ		1114	230	-	-	-	
K	<b>Malleable cast iron</b>						
	K1.1.C.NS	Ferritic Pearlitic	428	200	24	30	36
	<b>Grey cast iron</b>						
	K2.1.C.UT	Low tensile strengt	639	180	32	40	48
	K2.2.C.UT	High tensile strength	639	245	32	40	48
	K2.3.C.UT		708	175	24	30	36
	<b>Nodular cast iron</b>						
	K3.1.C.UT	Ferritic	639	155	24	30	36
	K3.2.C.UT	Pearlitic	991	215	24	30	36
	K3.3.C.UT	Pearlitic	503	265	24	30	36
K3.5.C.UT		591	190	24	30	36	
K5.1.C.NS	<b>ADI</b>	961	300	24	30	36	
N	<b>Aluminium alloys</b>						
	N1.2.Z.UT	Wrought or wrought and coldworked, non-aging	400	60	64	80	96
	N1.2.Z.AG	Wrought or wrought and aged	650	100	64	80	96
	N1.3.C.UT	Cast, non aging	600	75	64	80	96
	N1.3.C.AG	Cast or cast and aged	700	90	64	80	96
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	700	130	64	80	96
	<b>Copper based alloys</b>						
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	550	110	64	80	96
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	1350	100	64	80	96



## Cutting data for CoroReamer™ 435

Inch values

Geometry -XF

ISO	MC No.	Material	N/mm <sup>2</sup>	HB	XF v <sub>c</sub> feet/min		
					Min.	Rec.	Max.
P	<b>Unalloyed steel</b>						
	P1.1.Z.AN	C=0.10-0.25%	428	125	79	98	118
	P1.1.Z.AN	Hardened and tempered	639	190	79	98	118
	P1.2.Z.AN	C=0.25-0.55%	639	190	79	98	118
	P1.2.Z.HT		708	210	66	82	98
	P1.3.Z.AN	C=0.55-0.80%	639	190	79	98	118
	P1.3.Z.HT		991	300	52	66	79
	<b>Low alloy steel</b>						
	P2.1.Z.AN	Non-hardened	591	175	79	98	118
	P2.2.Z.AN	Annealed	811	240	66	82	98
	P2.3.Z.AN		867	260	52	66	79
	P2.5.Z.HT.1	Hardened and tempered	961	285	52	66	79
	<b>Steel castings</b>						
	P1.5.C.UT	Unalloyed	503	150	79	98	118
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	674	200	66	82	98
<b>High alloy steel</b>							
P3.0.Z.AN	Annealed	674	200	66	82	98	
P3.0.Z.HT.1		1282	380	39	49	59	
P3.1.Z.AN	Annealed HSS	839	250	66	82	98	
P5.0.Z.HT.1		1114	330	66	82	98	
P5.0.Z.PH		503	330				
M	<b>Stainless steel</b>						
	M1.0.Z.AQ	Austenitic	811	200	-	-	-
	M2.0.Z.AQ	Super austenitic Ni≥20%	961	200	-	-	-
	M3.1.Z.AQ		674	230	-	-	-
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	674	260	-	-	-
	M1.0.C.UT		674	200	-	-	-
	M2.0.C.AQ		200	200	-	-	-
M3.1.C.AQ		1114	230	-	-	-	
K	<b>Malleable cast iron</b>						
	K1.1.C.NS	Ferritic Pearlitic	428	200	79	98	118
	<b>Grey cast iron</b>						
	K2.1.C.UT	Low tensile strength	639	180	105	131	157
	K2.2.C.UT	High tensile strength	639	245	105	131	157
	K2.3.C.UT		708	175	79	98	118
	<b>Nodular cast iron</b>						
	K3.1.C.UT	Ferritic	639	155	79	98	118
	K3.2.C.UT	Pearlitic	991	215	79	98	118
	K3.3.C.UT	Pearlitic	503	265	79	98	118
K3.5.C.UT		591	190	79	98	118	
K5.1.C.NS	<b>ADI</b>	961	300	79	98	118	
N	<b>Aluminium alloys</b>						
	N1.2.Z.UT	Wrought or wrought and coldworked, non-aging	400	60	210	262	315
	N1.2.Z.AG	Wrought or wrought and aged	650	100	210	262	315
	N1.3.C.UT	Cast, non aging	600	75	210	262	315
	N1.3.C.AG	Cast or cast and aged	700	90	210	262	315
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	700	130	210	262	315
	<b>Copper based alloys</b>						
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	550	110	210	262	315
	N3.1.U.UT	Non-lead copper alloys (incl. electrolytic copper)	1350	100	210	262	315

