

Rotating tools

MILLING
DRILLING
TAPPING
BORING
REAMING
ROTATING TOOL ADAPTERS

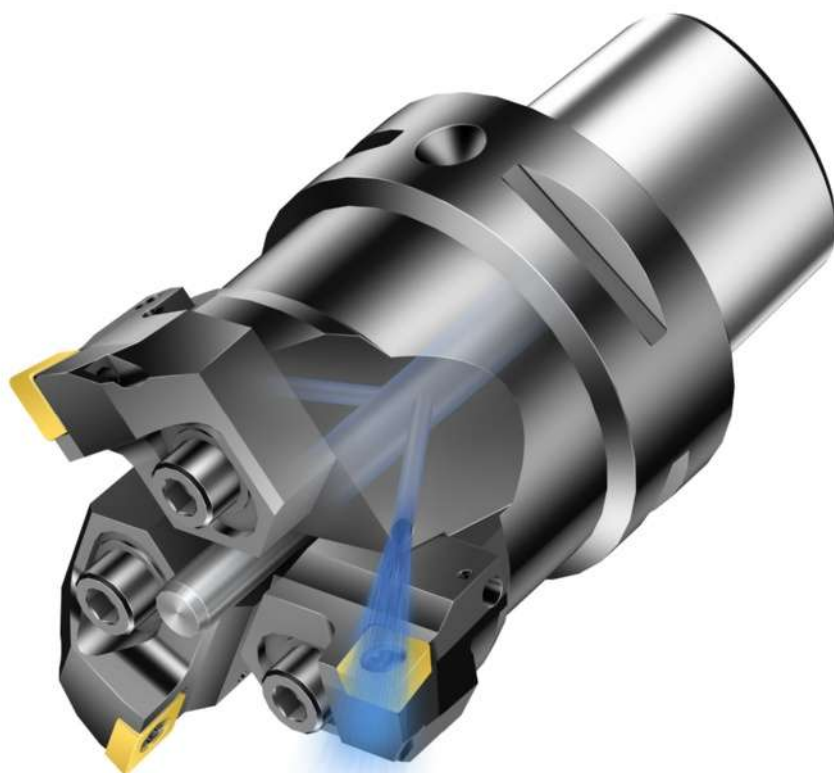


2015

CoroBore® 820

Rough boring tool - three insert design for maximum productivity

Optimized for high metal removal rate



Application

Hole types



Counter bore



Through hole



Interrupted cuts



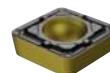
Blind hole



ISO application area



See page M26



See Turning tools catalog.

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



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

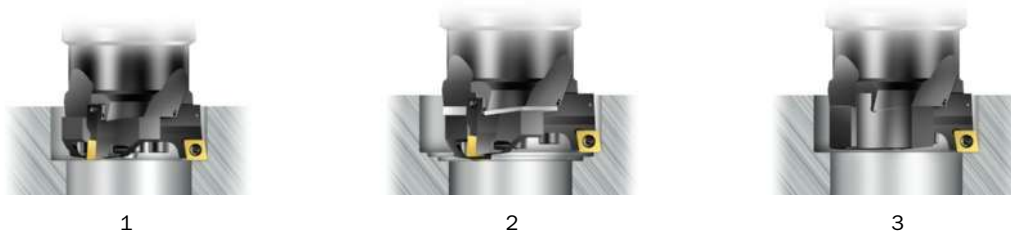


- Short, rigid, and compact, giving maximum stability with cutting fluid through the tool for excellent chip evacuation.



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

Operations



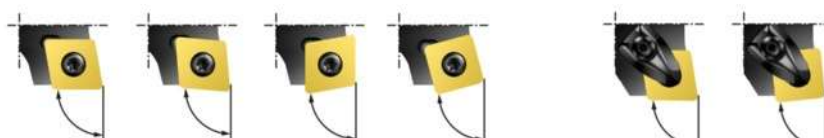
1. Three-edge boring
 - Increased feed rate is applicable.
2. Three-edge step boring
 - High cutting depth is applicable.
 - Shim-set is required, to be ordered separately. LF-dimension when using shim set increases 1-2 mm.
 - Slides of R820x-AR... and R820x-BR... with Kappa 90 degree can be combined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

Shim-set and cover – CoroBore® 820

Adapter size	Shim set	Thickness mm	inch	Cover for CoroTurn® 107 screw clamping	Cover for CoroTurn® RC rigid clamping
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

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



Application

Hole types

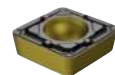
	
Counter bore	Through hole
	
Interrupted cuts	Blind hole

ISO application area

P M K N S H



See page M48



See Turning tools catalog.

Diameter range: 25-150 mm (0.984-5.906 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 adapters boost productivity when working with long overhangs.

Operations



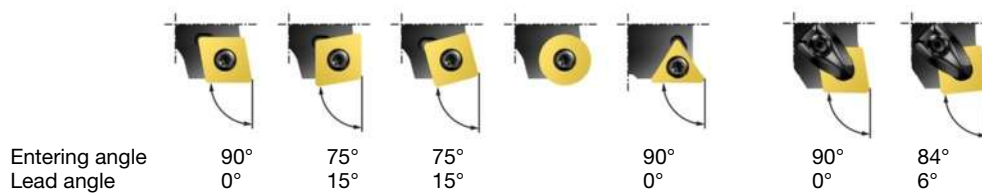
1. Twin-edge boring
 - Increased feed rate is applicable.
2. Twin-edge step boring
 - High cutting depth is applicable.
 - Shim-set is required, to be ordered separately. LF-dimension when using shim increases 0.5-1 mm (.020-.039 inch)
3. Single-edge boring:
 - One cover is required, to be ordered separately.

Shim-set and cover – DuoBore® 821 (D)

Adapter size	Shim set	Thickness mm	inch	Cover
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

Application

Hole types



Counter bore



Through hole



Interrupted cuts



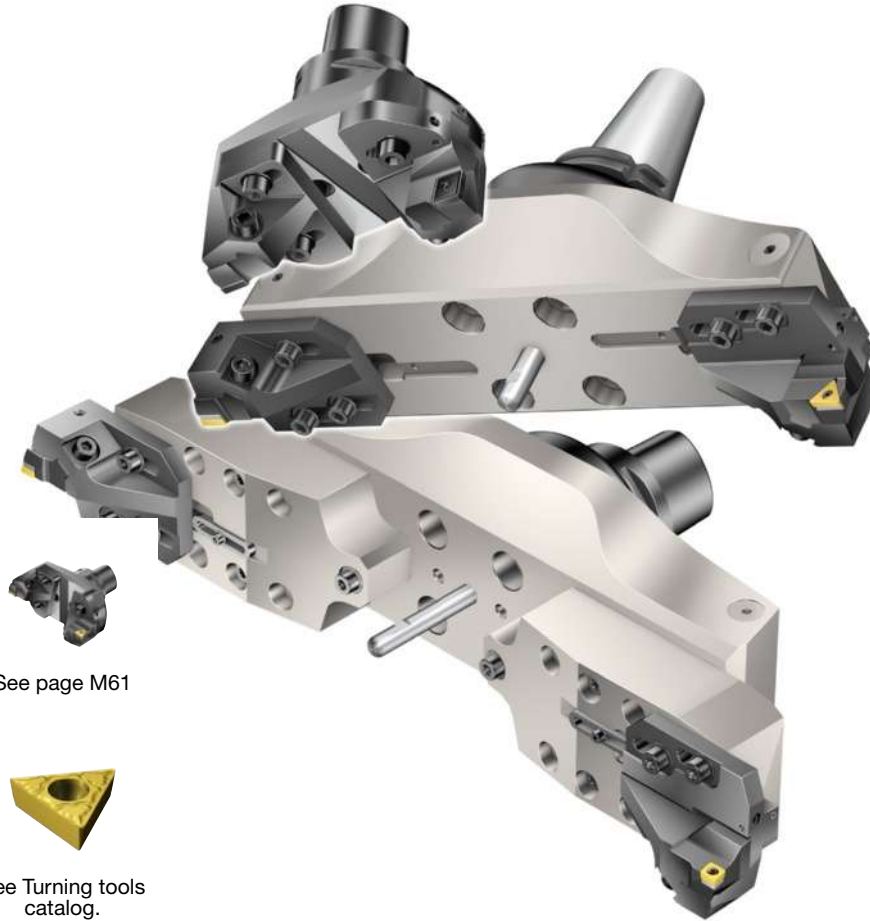
Blind hole



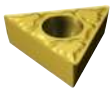
ISO application area



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



See page M61



See Turning tools catalog.

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 adjustable 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.



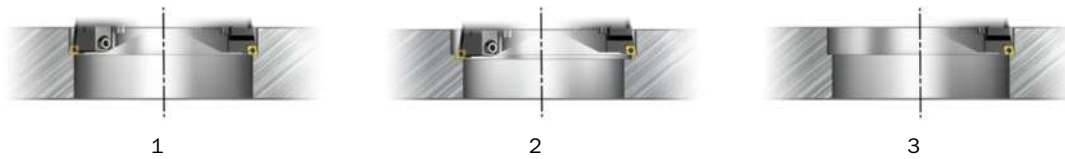
- Use same bridge / bridge extension for roughing, finishing, and face grooving from diameter 148 mm (5.827 inch) (counterweight needed for finishing).



CoroDrill 880 insert

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

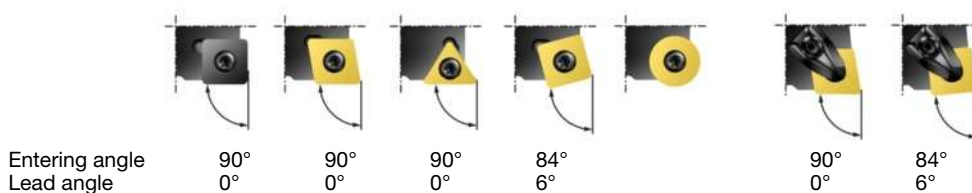
Operations



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), Lightweight: V_c 600 m/min (1968 ft/min)

Insert choice



CoroTurn® 107 screw clamping

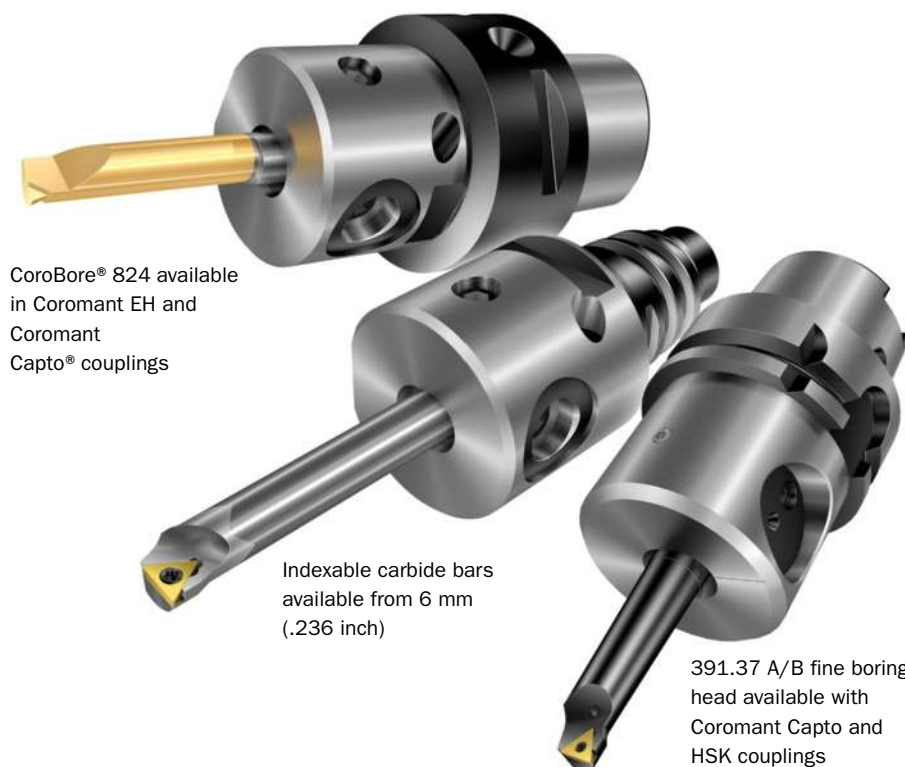
- For applications that require lower cutting forces

T-Max® P, CoroTurn® RC rigid clamping

- For applications that require strong inserts in stable conditions

CoroBore® 824/391.37 A/B

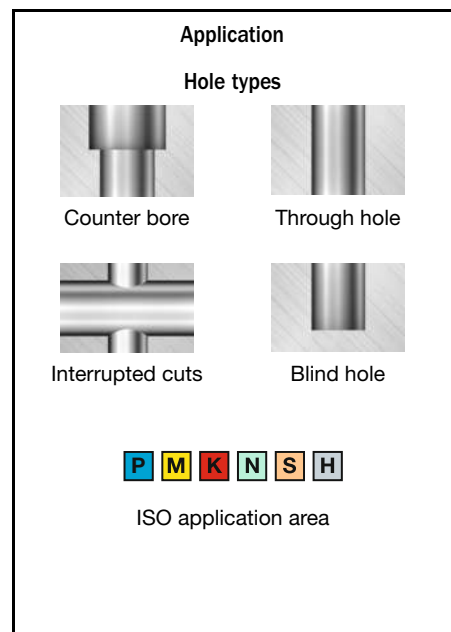
Fine boring systems For small diameter boring



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 15 mm (.590 inch).



See page M86



See Turning
tools catalog.

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 _{WS}	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 _{WS}	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 of 20000 rev/min.

Use of sleeves:

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

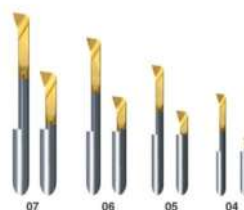
Insert choice



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



Counter bore



Through hole



Interrupted cuts



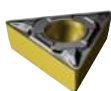
Blind hole



ISO application area



See page M98



See Turning tools catalog.



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 15 mm (.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 adapters 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 counterclockwise (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), **Lightweight:** V_c 600 m/min (1968 ft/min)

Dampened:

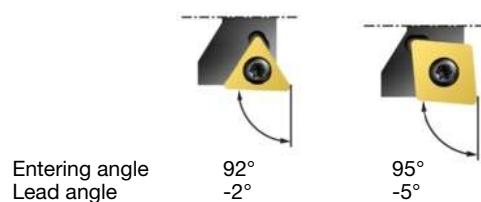
Diameter ≤ 29 mm (1.14"): V_c 430m/min (1410 ft/min)

Diameter ≤ 36 mm (1.42"): V_c 520m/min (1705 ft/min)

Diameter ≥ 36 mm (1.42"): V_c 600m/min (1968 ft/min)

Insert choice

CoroTurn® 107 and CoroTurn® 111 inserts



Entering angle
Lead angle

92°

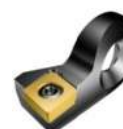
-2°

95°

-5°



CoroTurn® 107:
TC.. 06, 09
(TC.. 1.2, 1.8)



CoroTurn® 107:
CCMT 09
(CCMT3 (2.5))



CoroTurn® 107:
TC.. 1103
TC.. 22



CoroTurn® 111:
TP. 06, 09, 1103
(TC.. 1.2, 1.8, TC.. 22)

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

Fine boring tool system For large diameter boring



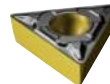
Diameter adjustment:

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 15 mm (.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).



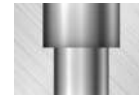
See page M104



See Turning tools catalog.

Application

Hole types



Counter bore



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).

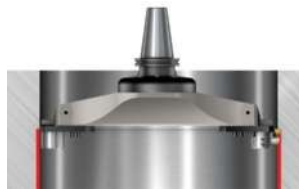
SilentTools®

- Available also as Silent Tools®. Silent Tools dampened adapters 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 counterclockwise (M04).



1.



2.

Diameter mm	inch	Slide extension	Thickness mm	inch	Diameter extension 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), Lightweight: 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)



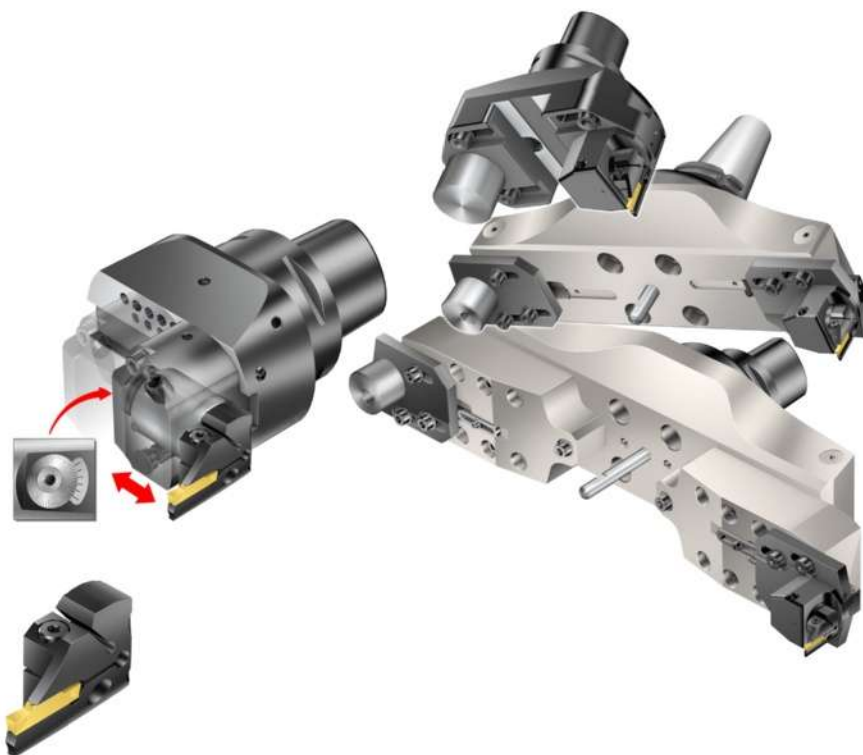
CoroTurn® 107:
CCMT 09
(CCMT3 (2.5))



CoroTurn® 111
TPMT11
(TPMT 22)

CoroBore® 825 SL

Face grooving tools For axial grooving



Application



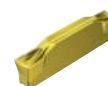
-Axial grooving



ISO application area



See page M133



See Turning tools catalog.

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 blades, see the Turning tools catalog.

* 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 15 mm (.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, back boring, 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 adapters, 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 catalog

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

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, back boring, 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 adapters, 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 catalog

Spare parts can be found in the spare parts catalog.

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) grants 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 catalog for blade assortment.

Selection of inserts

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

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

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 adapters, extensions, and machine interface adapters for greater flexibility.

- Reduce inventory and tool investment cost
- Use extension and reduction adapters to optimize length
- Precision and stability allow 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 ($>4 \times$ coupling diameter), use dedicated tools (Silent Tools)
- If reductions are needed, use tapered version if possible
- Coromant Capto Tailor Made red/ext. adapters 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, are still available as single components.
- Necessary keys are included in each tool kit

Included parts, assembly kit:

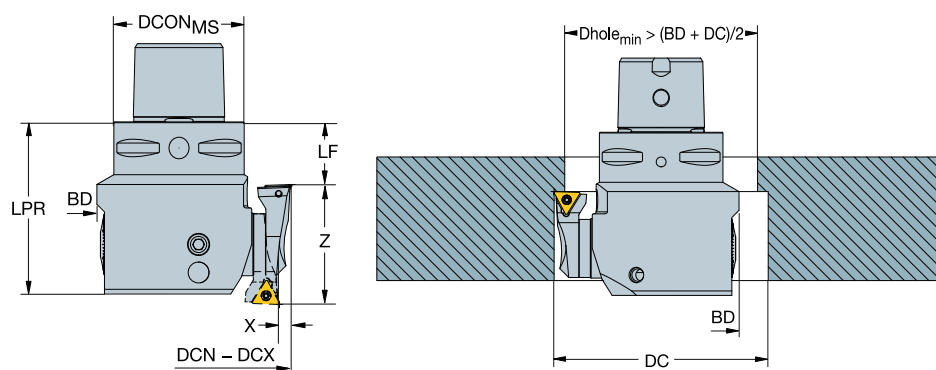
CoroBore – Rough boring tools

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

CoroBore – Fine boring tools

CoroBore® 825	Ø 19-167 mm (0.748-6.57 inch) - Cartridge (1 piece) - Adapter (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) - Adapter (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)	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)

Back boring



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:

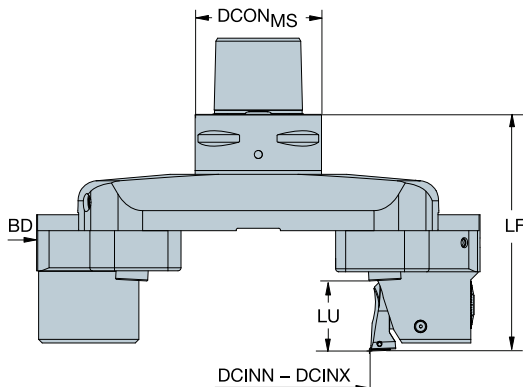
- $2 \times 4.8 = 9.6$ mm for Size C (825C-048A)
- Calculation of minimum possible hole diameter: $D_{hole_min} > (DC+DC-26)/2$

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 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)-(2x DMIN A34-R825) = 148 mm-110 mm = **38 mm**
- **DCX (external)** = DCX(forward)-(2x DMIN 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				
			 ●●●● SilentTools®		
	CoroBore® 820	DuoBore™ 821	DuoBore™ 821 D	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® CoroMill® EH	Coromant Capto® HSK	CoroMill® EH Cylindrical shank	Coromant Capto® HSK
Tool length					

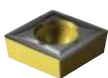
	Finishing				
		 SilentTools®			
	CoroBore® 825L	CoroBore® 825D	CoroBore® 825 XL/ CoroBore® 826 XL	CoroBore® 825L XL/ CoroBore® 826L XL	CoroBore® 825L XL/ CoroBore® 826L XL
Tool concept	Light weight	Dampened	Conventional	Light weight	Light weight
Boring range, mm (inch)	69-167 (2.717-6.575)	23-167 (.906-6.575)	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					

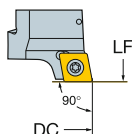
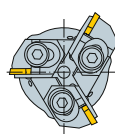
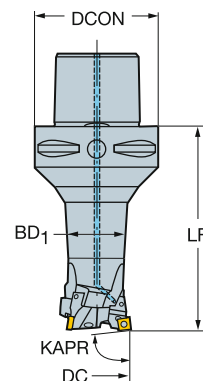
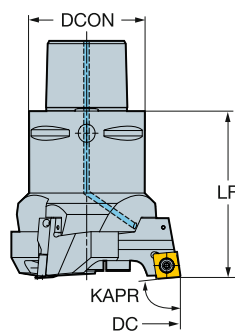
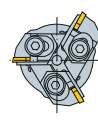
CoroBore® 820 rough boring tool

Coromant Capto® - Internal coolant supply

Up to 3 cutting edges



CCMT, CCGT
CCGX, CCET
CCMW

KAPR
DSGN90°
190°
2

								Dimensions, mm, inch								
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁	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



O5



Q1



Q35



Q28

CoroBore® 820 rough boring tool

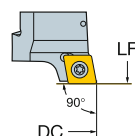
Coromant Capto® - Internal coolant supply

Up to 3 cutting edges

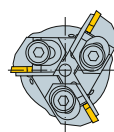


CCMT, CCGT
CCGX, CCET
CCMW

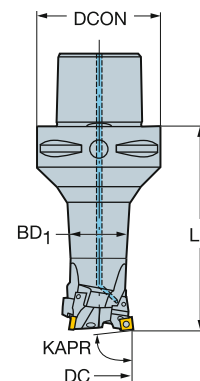
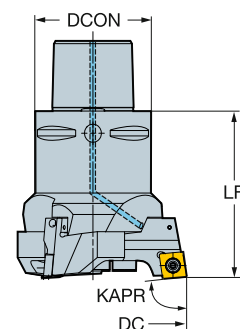
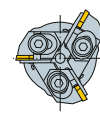
KAPR
DSGN



90°
1



90°
2



								Dimensions, mm, inch									
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁	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	
2.441	2.756							2.480		4.724	2.402	290				CCMT 3(2.5)2	
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 12 04 08	
2.441	2.756							2.480		4.803	2.402	290				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	
2.717	3.091							1.969		2.756		290				CCMT 3(2.5)2	
69.0	78.5	12	1/2	C5	1	1	820-79CC12-C5	50.00		70.00		20	3.0	1.180	3	CCMT 12 04 08	
2.717	3.091							1.969		2.756		290				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	
2.717	3.091							2.480		3.071		290				CCMT 3(2.5)2	
69.0	78.5	12	1/2	C6	1	1	820-79CC12-C6	63.00		78.00		20	3.0	2.130	3	CCMT 12 04 08	
2.717	3.091							2.480		3.071		290				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	
3.051	3.425							1.969		2.756		290				CCMT 3(2.5)2	
77.5	87.0	12	1/2	C5	1	1	820-87CC12-C5	50.00		70.00		20	3.0	1.210	3	CCMT 12 04 08	
3.051	3.425							1.969		2.756		290				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	
3.051	3.425							2.480		3.071		290				CCMT 3(2.5)2	
77.5	87.0	12	1/2	C6	1	1	820-87CC12-C6	63.00		78.00		20	3.0	2.160	3	CCMT 12 04 08	
3.051	3.425							2.480		3.071		290				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 12 04 08	
3.386	3.819							2.480		3.543		290				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 12 04 08	
3.386	3.819							3.150		3.701		290				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 12 04 08	
3.780	4.213							2.480		3.543		290				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 12 04 08	
3.780	4.213							3.150		3.701		290				CCMT 432	



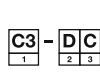
O5



Q1



Q35

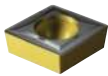


Q28

CoroBore® 820 rough boring tool

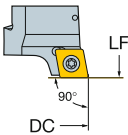
Coromant Capto® - Internal coolant supply

Up to 3 cutting edges

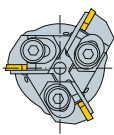


CCMT, CCGT
CCGX, CCET
CCMW

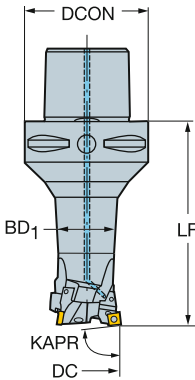
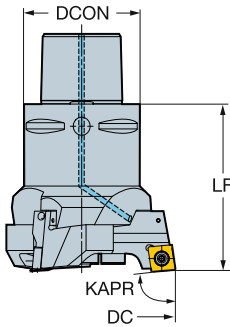
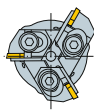
KAPR
DSGN



90°
1



90°
2



								Dimensions, mm, inch								
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁	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



O5



Q1



Q35



Q28

CoroBore® 820 rough boring tool

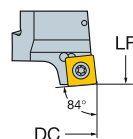
Coromant Capto® - Internal coolant supply

Up to 3 cutting edges

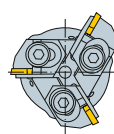


SCMT, SCGX
SCMW

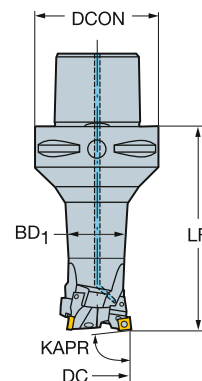
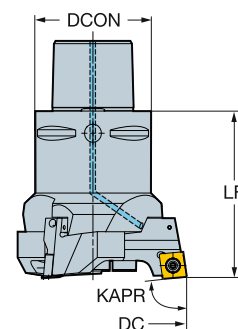
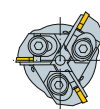
KAPR
DSGN



84°
1



84°
2



								Dimensions, mm, inch								
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁	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

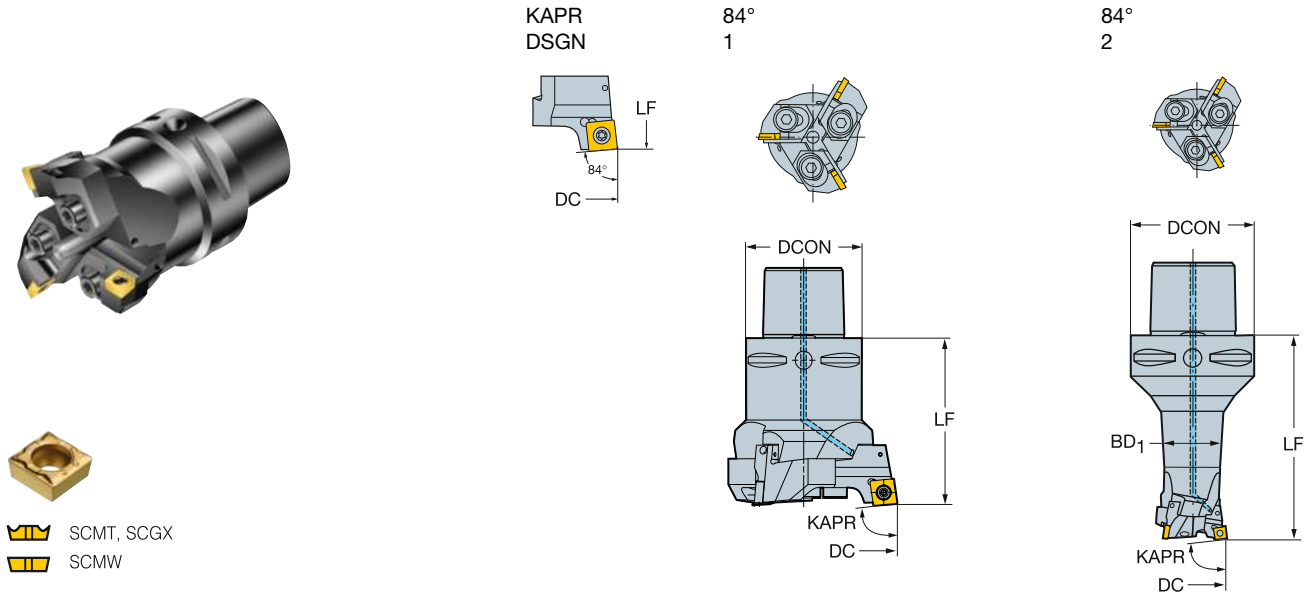


Q28

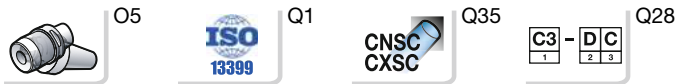
CoroBore® 820 rough boring tool

Coromant Capto® - Internal coolant supply

Up to 3 cutting edges

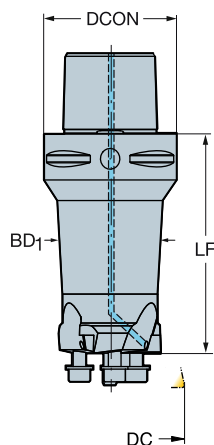


								Dimensions, mm, inch								
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁	CP BarPSI			CICT	MIID
77.5	87.0	09	3/8	C6	1	1	820-87SC09-C6	63.00	78.00			20	3.0	2.160	3	SCMT 09 T3 08
3.051	3.425							2.480	3.071			290				SCMT 3(2.5)2
77.5	87.0	12	1/2	C6	1	1	820-87SC12-C6	63.00	78.00			20	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



Coromant Capto® to CoroBore® 820 tool body

Internal coolant supply



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



Q1

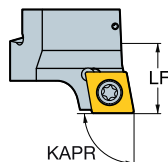
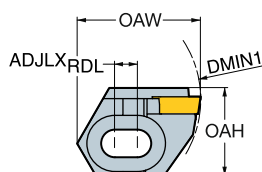
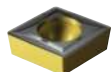


Q35

Slide for CoroBore® 820

KAPR

90°



CCMT, CCGT
 CCGX, CCET
 CCMW

					Dimensions, mm, inch											
DMIN ₁			CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	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

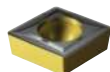


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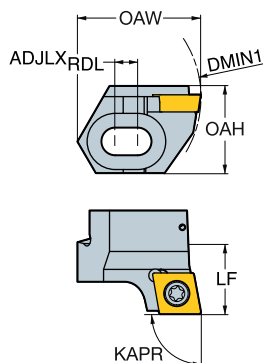
Slide for CoroBore® 820

KAPR

90°



 CCMT, CCGT
 CCGX, CCET
 CCMW



					Dimensions, mm, inch											
DMIN ₁		IC	CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	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

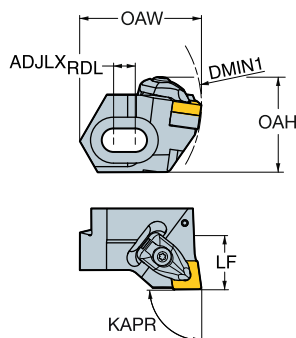


Q35

Slide for CoroBore® 820

KAPR

90°



CNMM, CNGP

CNMG

CNMA, CNGA

Dimensions, mm, inch

CZC _{MS} CNSC					Ordering code										MIID	
DMIN ₁	12	1/2	F	0	R820F-AR24DCFN12A	ADJLX _{RDL}	LF	WF	OAH	OAW						
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

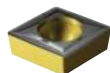
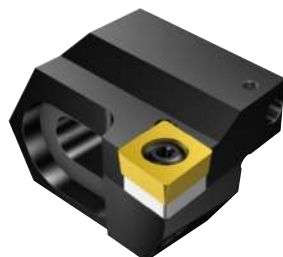


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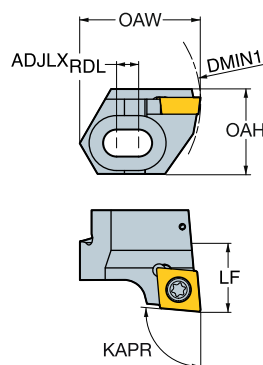
Slide for CoroBore® 820

KAPR

95°



 CCMT, CCGT
 CCGX, CCET
 CCMW



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



Q1

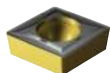


Q35

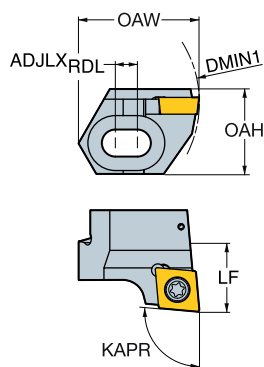
Slide for CoroBore® 820

KAPR

95°



 CCMT, CCGT
 CCGX, CCET
 CCMW



Dimensions, mm, inch

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



Q1

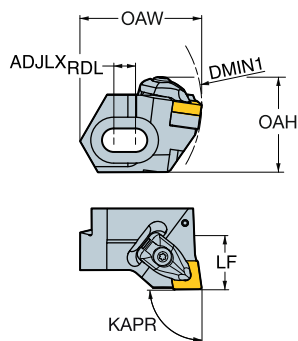


Q35

Slide for CoroBore® 820

KAPR

95°



- CNMM, CNGP
 CNMG
 CNMA, CNGA

					Dimensions, mm, inch										MIID
DMIN ₁			CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	LF	WF	OAH	OAW					
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		



Q1

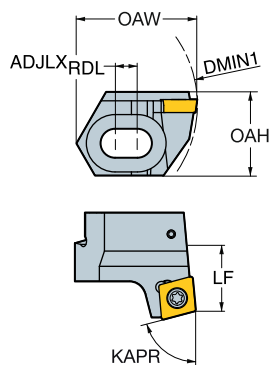
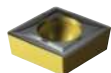


Q35

Slide for CoroBore® 820

KAPR

75°



CCMT, CCGT
 CCGX, CCET
 CCMW

Dimensions, mm, inch

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

Slide for CoroBore® 820

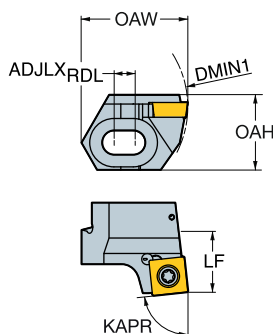
KAPR

84°



SCMT, SCGX

SCMW



						Dimensions, mm, inch									MIID
DMIN1			CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	LF	WF	OAH	OAW	Nm	Kg			
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

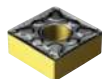
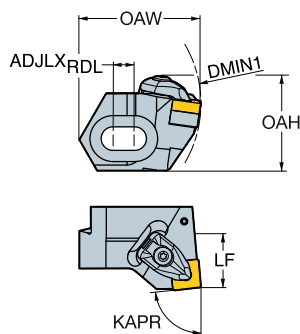


Q35

Slide for CoroBore® 820

KAPR

84°



 SNMM
 SNMG
 SNMA, SNGA

					Dimensions, mm, inch											
DMIN ₁			CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	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			

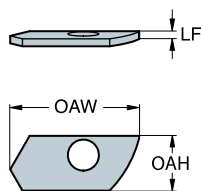
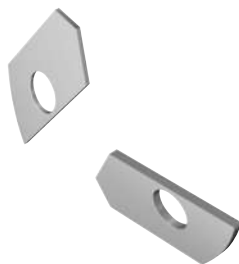


Q1



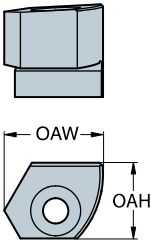
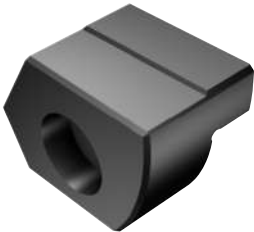
Q35

Shim set for CoroBore® 820



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

Cover for CoroBore® 820



			Dimensions, mm, inch		
CZC _{MS}	CNSC	Ordering code	OAH	OAW	 Kg
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
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

Two covers are required

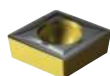
 Q1

 Q35

DuoBore™ rough boring tool

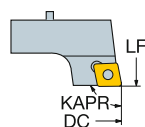
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges

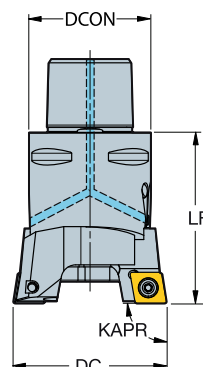


CCMT, CCGT
CCGX, CCET
CCMW

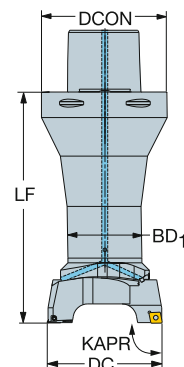
KAPR
DSGN



90°
1



90°
2



								Dimensions, mm, inch								
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁	CP BarPSI	 Nm	 Kg	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



O5



Q1



Q35



Q28

DuoBore™ rough boring tool

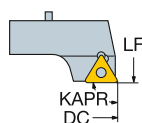
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges

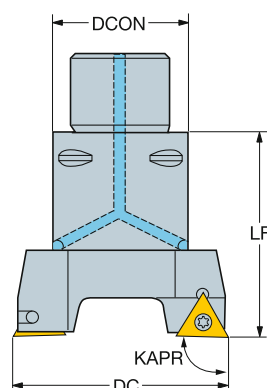


TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

KAPR



90°



							Dimensions, mm, inch								
DCN	DCX			CZC _{MS}	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		



O5



Q1



Q35



Q28

DuoBore™ rough boring tool

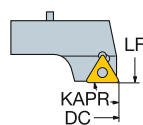
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges

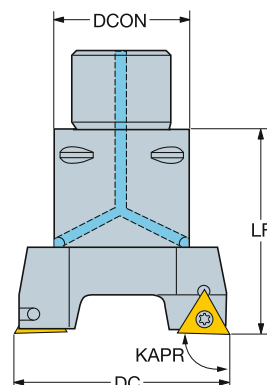


 TCMT, TCMX,
TCGT, TCGX
TCEX
 TCMW

KAPR



90°



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



O5



Q1



Q35



Q28

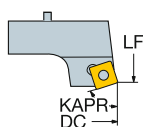
DuoBore™ rough boring tool

Coromant Capto® - Internal coolant supply

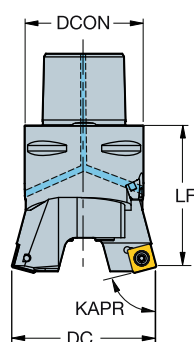
Up to 2 cutting edges



KAPR



75°



SCMT, SCGX

SCMW

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



O5



Q1



Q35

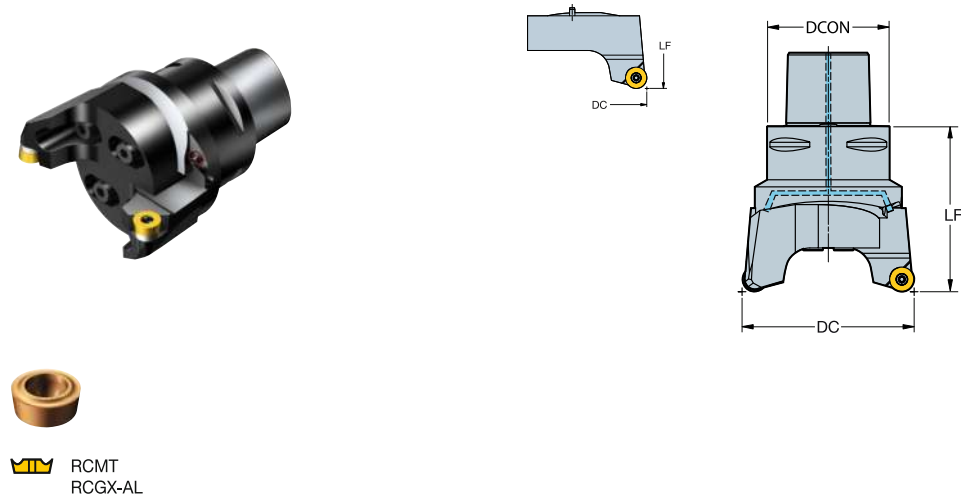


Q28

DuoBore™ rough boring tool

Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



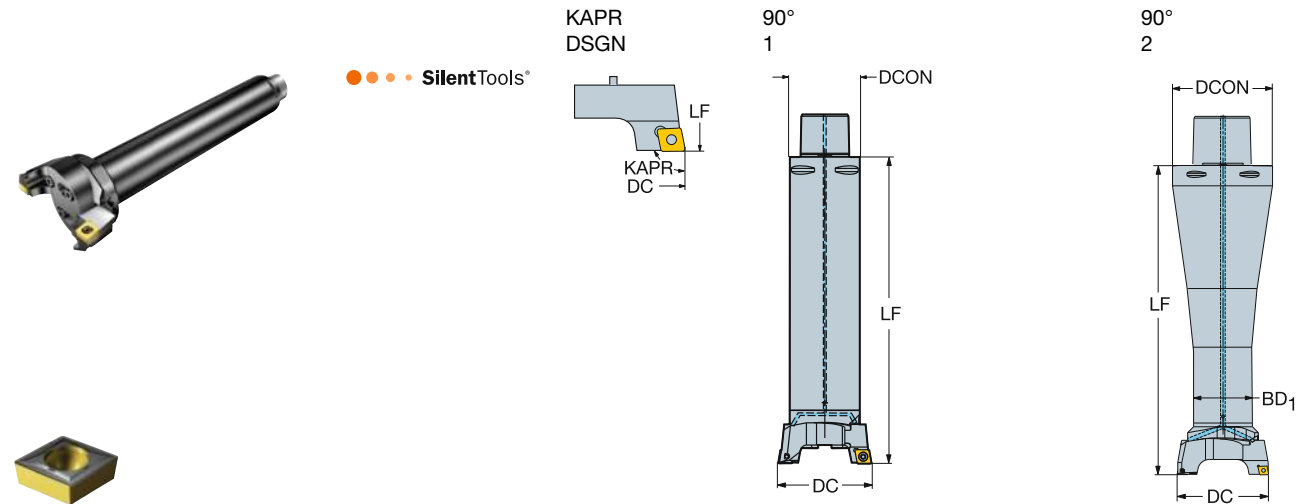
							Dimensions, mm, inch								
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF				CICT	MIID		
99.0	125.0	16	.630	C8	1	821-125RC16-C8	80.00	108.00	20	3.0	4.120	2	RCMT 16 06 M0		
3.898	4.921						3.150	4.252	290				RCMT 16 06 M0		
123.0	150.0	16	.630	C8	1	821-150RC16-C8	80.00	108.00	20	3.0	4.360	2	RCMT 16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



DuoBore™ dampened rough boring tool

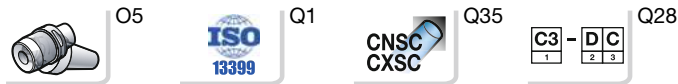
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



- CCMT, CCGT
- CCGX, CCET
- CCMW

								Dimensions, mm, inch									
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁	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	
.984	1.260							1.260		8.386	.866	1015				CCMT 2(1.5)1	
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	
1.181	1.496							1.260		8.819	1.024	1015				CCMT 2(1.5)1	
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	
2.717	3.307							2.480		15.630	2.480	1015				CCMT 432	
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	
3.268	3.976							2.480		16.063	2.480	1015				CCMT 432	
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	
3.898	4.921							3.150		16.535	3.780	1015				CCMT 432	
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	
4.843	5.906							3.150		16.535	3.780	1015				CCMT 432	



DuoBore™ dampened rough boring tool

Coromant Capto® - Internal coolant supply

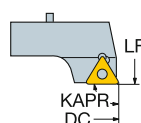
Up to 2 cutting edges



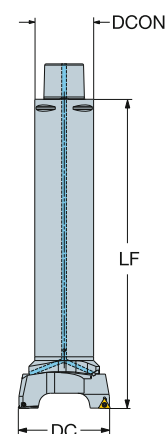
TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

● ● ● SilentTools®

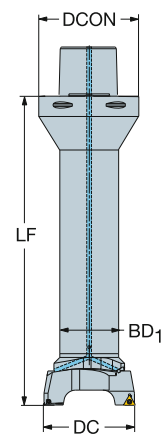
KAPR
DSGN



90°
1



90°
2



								Dimensions, mm, inch								
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁				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



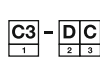
O5



Q1



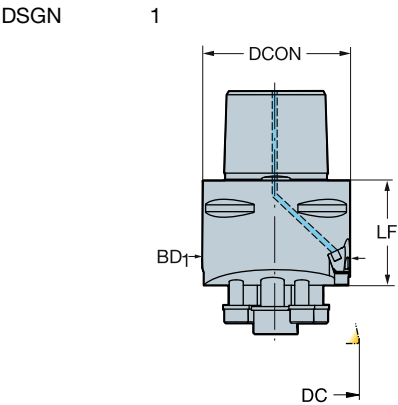
Q35



Q28

Coromant Capto® to Duobore™ tool body

Internal coolant supply

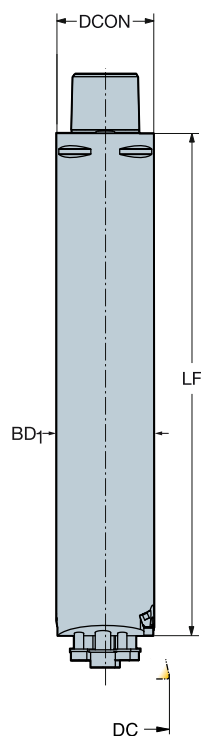


							Dimensions, mm, inch						
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	DSGN	Ordering code	DCON	LF	BD ₁	CP BarPSI			
25.0	32.0	C3	1	1	1	C3-391.68A-1-021068B	32.00	68.00	21.00	20	4.8	0.290	
.984	1.260						1.260	2.677	.827	290			
30.0	38.0	C3	2	1	1	C3-391.68A-2-026084B	32.00	84.00	26.00	20	4.8	0.420	
1.181	1.496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

Coromant Capto® to Duobore™ dampened tool body

Internal coolant supply

Damped adapter

 SilentTools®


					Dimensions, mm, inch									
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	LF	WF	BD ₁	CP BarPSI				
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

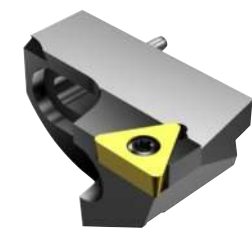


Q35

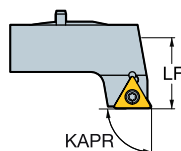
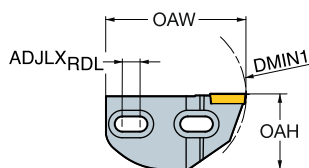
Slide for DuoBore™

KAPR

90°



 TCMT, TCMX,
TCGT, TCGX
TCEX
 TCMW



					Dimensions, mm, inch											
DMIN ₁			CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	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	59.90	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

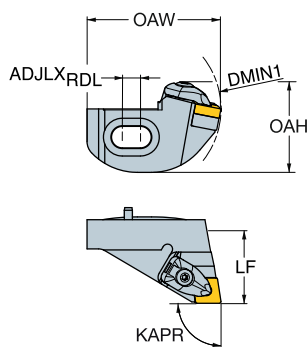
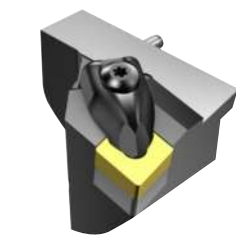


Q35

Slide for DuoBore™

KAPR

90°



- CNMM, CNGP
 CNMG
 CNMA, CNGA

					Dimensions, mm, inch												MIID		
DMIN ₁			CZC _{MS}	CNSC	Ordering code	ADJLXR _{DL}	LF	WF	OAH	OAW									
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

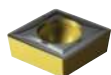


Q35

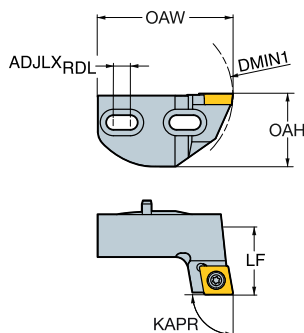
Slide for DuoBore™

KAPR

90°



 CCMT, CCGT
 CCGX, CCET
 CCMW



					Dimensions, mm, inch											
DMIN ₁			CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	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



Q1

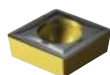
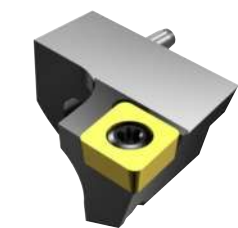


Q35

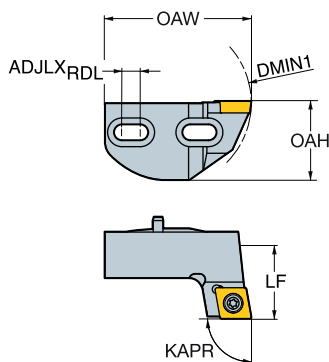
Slide for DuoBore™

KAPR

90°



 CCMT, CCGT
 CCGX, CCET
 CCMW

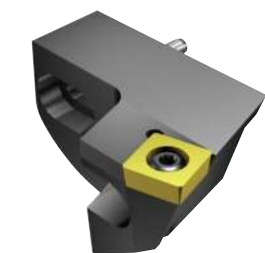


					Dimensions, mm, inch											
DMIN ₁			CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	LF	WF	OAH	OAW			MIID			
25.0 .984	06	1/4	1	0	391.68A-1-03213C06B	3.50 .138	13.00 .512	11.00 .433	11.20 .441	20.50 .807	0.9	0.010	CCMT 06 02 08			
25.0 .984	06	1/4	1	0	391.68B-1-03213C06B	3.50 .138	13.00 .512	11.00 .433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

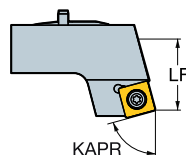
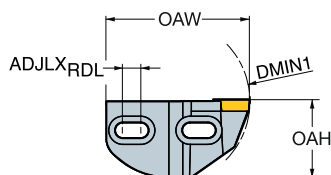
Slide for DuoBore™

KAPR

75°



 SCMT, SCGX
 SCMW



Dimensions, mm, inch

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



Q1

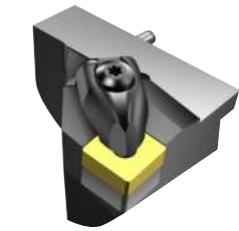


Q35

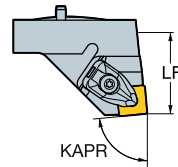
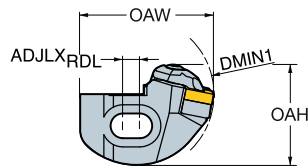
Slide for DuoBore™

KAPR

84°



-  SNMM
 SNMG
 SNMA, SNGA



					Dimensions, mm, inch												MIID		
DMIN ₁			CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	LF	WF	OAH	OAW									
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						
2.717						.295	1.417	1.358	1.774	2.343			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						
3.268						.354	1.417	1.634	1.762	2.618			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						
3.898						.512	1.575	1.565	2.400	3.386			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						
3.898						.512	1.732	1.566	2.542	3.386			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						
4.843						.531	1.575	2.028	2.388	3.858			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						
4.843						.531	1.732	2.030	2.531	3.858			SNMG 542						

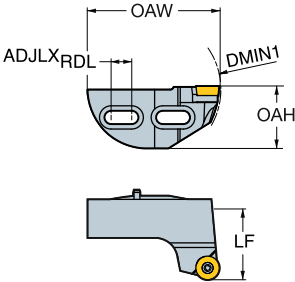


Q1



Q35

Slide for DuoBore™



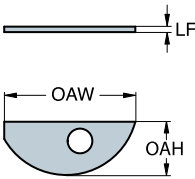
 RCMT
RCGX-AL

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

 Q1

 Q35

Shim for Duobore™



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

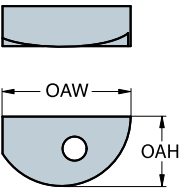


Q1

J

Cover for Duobore™

K



L

M

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

N

O

P

Q



CoroBore® 820 XL rough boring tool

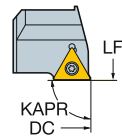
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges

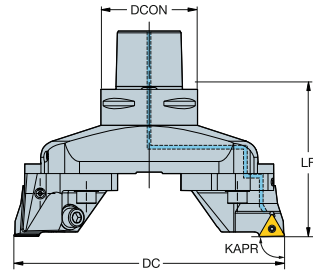
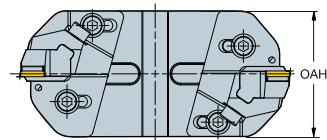


TCMT, TCMX, TCGT, TCGX, TCEX
 TCMW

KAPR



90°



							Dimensions, mm, inch										
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJL _{AXL}	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		



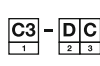
O5



Q1



Q35

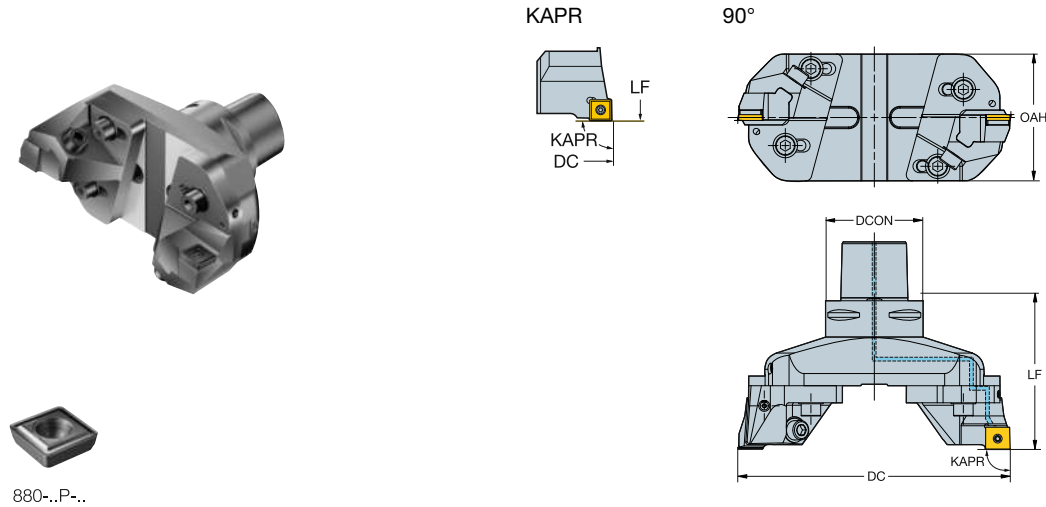


Q28

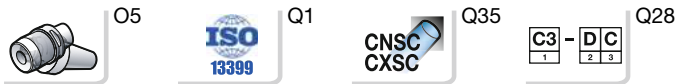
CoroBore® 820 XL rough boring tool

Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



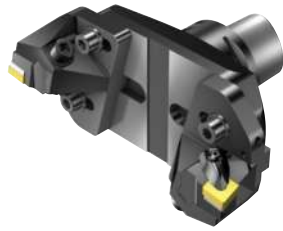
							Dimensions, mm, inch										
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	LF	OAH	CP BarPSI			CICT	MIID		
148.0	200.0	09P	09P	C8	1	820-200SP18-C8	80.00	1.50	122.00	104.00	70	3.0	7.030	2	880-0906W08H-P-GM		
5.827	7.874						3.150	.059	4.803	4.094	1015				880-0906W08H-P-GM		
148.0	200.0	09P	09P	C10	1	820-200SP18-C10	100.00	1.50	128.00	104.00	70	3.0	8.940	2	880-0906W08H-P-GM		
5.827	7.874						3.937	.059	5.039	4.094	1015				880-0906W08H-P-GM		
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		
7.795	9.843						3.150	.059	4.803	4.094	1015				880-0906W08H-P-GM		
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		
7.795	9.843						3.937	.059	5.039	4.094	1015				880-0906W08H-P-GM		
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		
9.764	11.811						3.150	.059	4.803	4.094	1015				880-0906W08H-P-GM		
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		
9.764	11.811						3.937	.059	5.039	4.094	1015				880-0906W08H-P-GM		



CoroBore® 820 XL rough boring tool

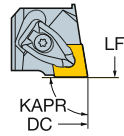
Coromant Capto® - Internal coolant supply

Up to 2 cutting edges

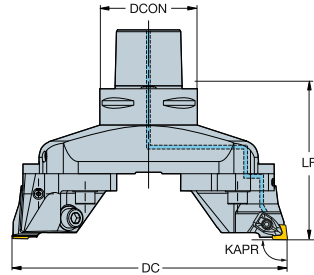
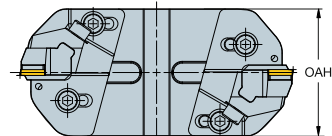


-  CNMM, CNGP
-  CNMG
-  CNMA, CNGA

KAPR



90°



							Dimensions, mm, inch										
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	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

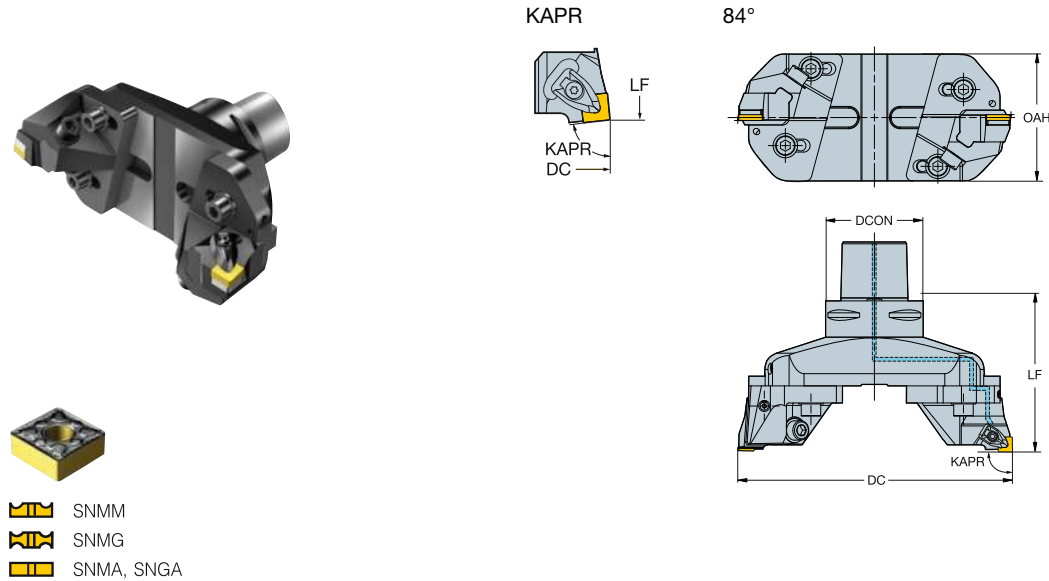


Q28

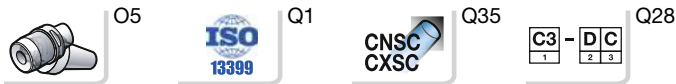
CoroBore® 820 XL rough boring tool

Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



							Dimensions, mm, inch										
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	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		
5.827	7.874						3.150	.059	4.803	4.094	1015				SNMG 542		
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		
5.827	7.874						3.937	.059	5.039	4.094	1015				SNMG 542		
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		
7.795	9.843						3.150	.059	4.803	4.094	1015				SNMG 542		
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		
7.795	9.843						3.937	.059	5.039	4.094	1015				SNMG 542		
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		
9.764	11.811						3.150	.059	4.803	4.094	1015				SNMG 542		
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		
9.764	11.811						3.937	.059	5.039	4.094	1015				SNMG 542		



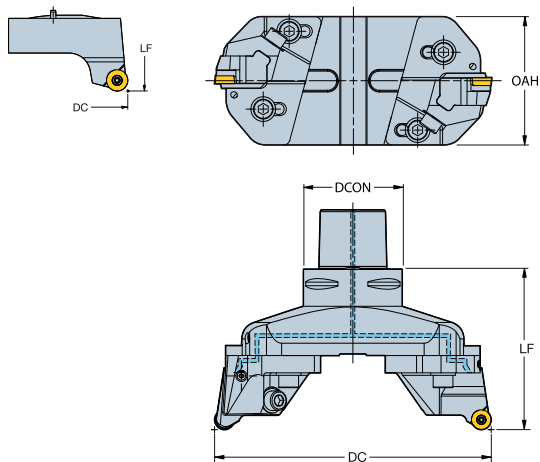
CoroBore® 820 XL rough boring tool

Coromant Capto® - Internal coolant supply

Up to 2 cutting edges



RCMT
RCGX-AL



						Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJL _{AXL}	LF	OAH	CP BarPSI	 Nm	 Kg	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		



O5



Q1



Q35

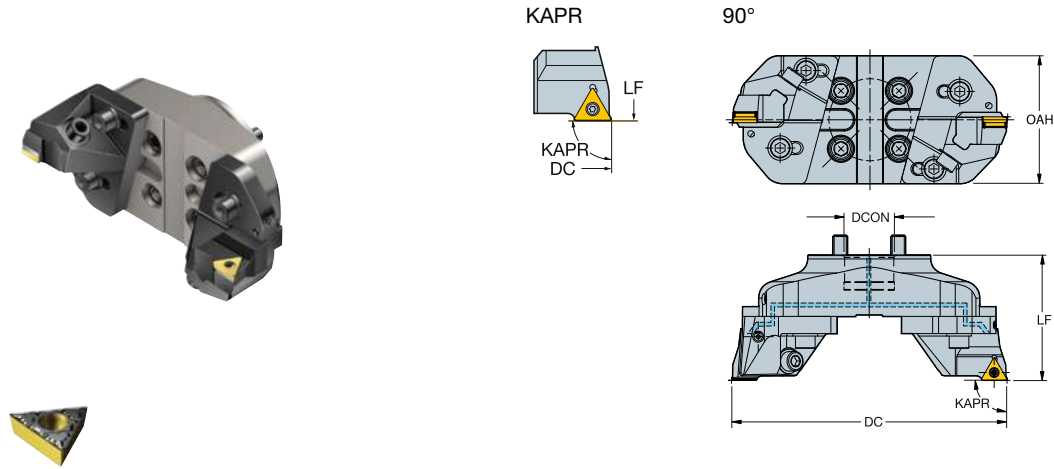


Q28

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 _{MS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	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		
5.827	7.874						1.575	.059	4.016	4.094	1015				TCMT 432		
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		
7.795	9.843						1.575	.059	4.016	4.094	1015				TCMT 432		
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		
9.764	11.811						1.575	.059	4.016	4.094	1015				TCMT 432		

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

CoroBore® 820 XL lightweight rough boring tool

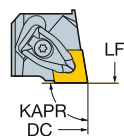
Arbor - Internal coolant supply

Up to 2 cutting edges

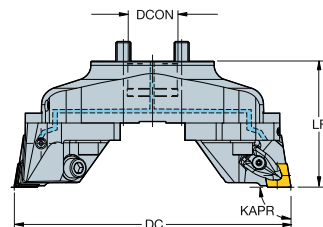
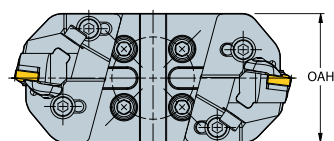


-  CNMM, CNGP
-  CNMG
-  CNMA, CNGA

KAPR



90°



						Dimensions, mm, inch									
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	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
5.827	7.874						1.575	.059	4.016	4.094	1015				CNMG 643
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
7.795	9.843						1.575	.059	4.016	4.094	1015				CNMG 643
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
9.764	11.811						1.575	.059	4.016	4.094	1015				CNMG 643

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



O5



Q1



Q35

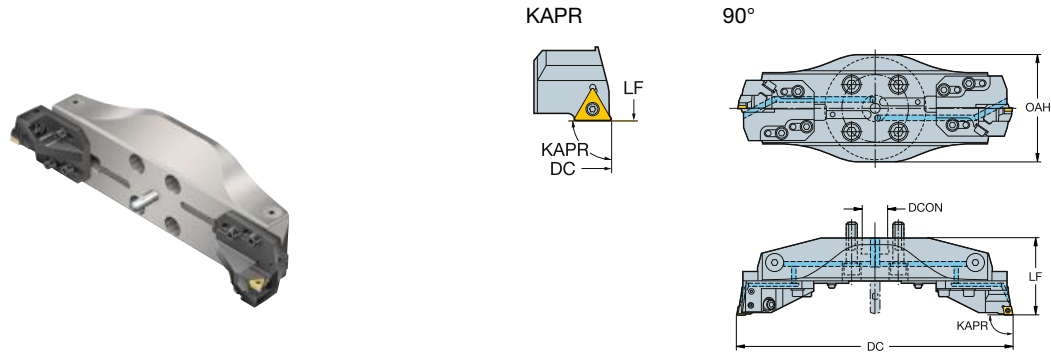


Q28

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 _{MS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	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.

 M139

 Q1

 Q35

 Q28

CoroBore® 820 XL rough boring tool

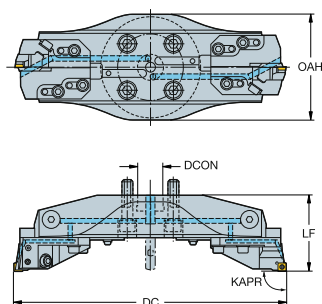
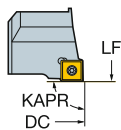
Arbor - Internal coolant supply

Up to 2 cutting edges



KAPR

90°



880-..P-..

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

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



M139



Q1



Q35

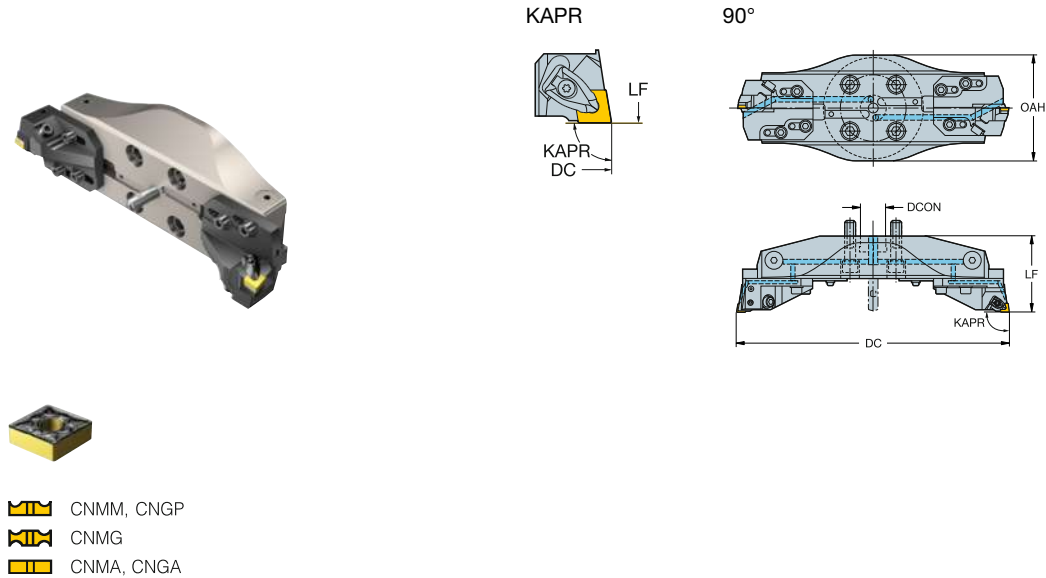


Q28

CoroBore® 820 XL rough boring tool

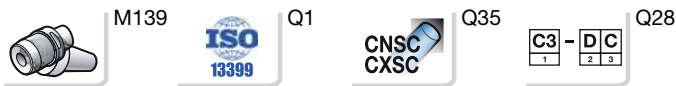
Arbor - Internal coolant supply

Up to 2 cutting edges



						Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	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		
11.732	14.961						1.575	.059	4.488	6.457	1015				CNMG 643		
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		
14.882	18.110						1.575	.059	4.685	6.457	1015				CNMG 643		
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		
18.032	21.260						1.575	.059	4.882	6.457	1015				CNMG 643		

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



CoroBore® 820 XL rough boring tool

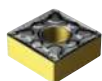
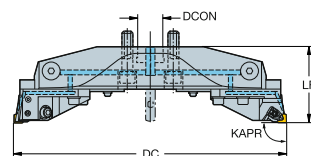
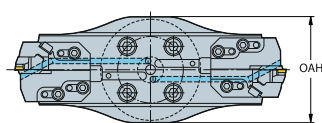
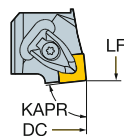
Arbor - Internal coolant supply

Up to 2 cutting edges



KAPR

84°



-  SNMM
-  SNMG
-  SNMA, SNGA

						Dimensions, mm, inch									
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	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
11.732	14.961						1.575	.059	4.488	6.457	1015				SNMG 542
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
14.882	18.110						1.575	.059	4.685	6.457	1015				SNMG 542
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
18.032	21.260						1.575	.059	4.882	6.457	1015				SNMG 542

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



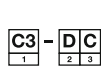
M139



Q1



Q35

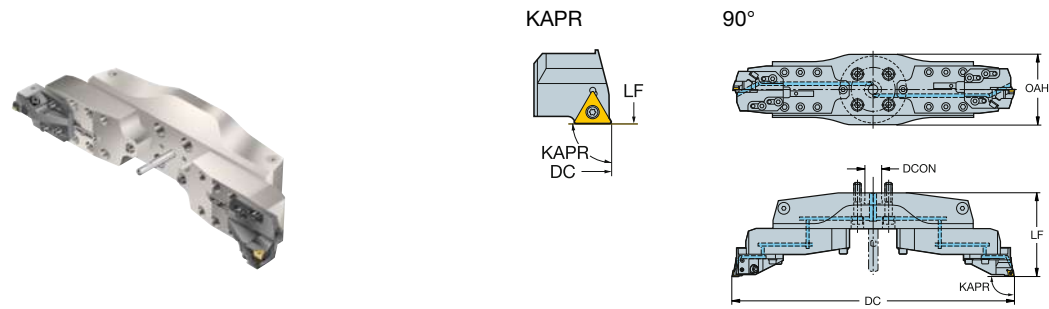


Q28

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 _{MS}	CNSC	Ordering code	DCON	ADJL _{AXL}	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		
21.181	30.709						1.575	.059	7.795	6.457	1015				TCMT 432		
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		
30.630	40.158						1.575	.059	8.583	6.457	1015				TCMT 432		
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		
40.079	49.606						1.575	.059	8.583	6.457	1015				TCMT 432		

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

 M139

 Q1

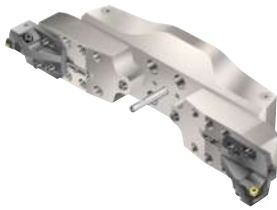
 Q35

 Q28

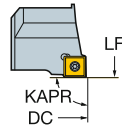
CoroBore® 820 XL rough boring tool

Arbor with bridge extension - Internal coolant supply

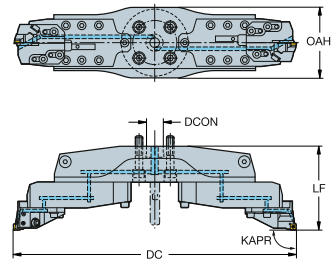
Up to 2 cutting edges



KAPR



90°



880-..P-..

						Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	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		
21.181	30.709						1.575	.059	7.795	6.457	1015				880-0906W08H-P-GM		
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		
30.630	40.158						1.575	.059	8.583	6.457	1015				880-0906W08H-P-GM		
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		
40.079	49.606						1.575	.059	8.583	6.457	1015				880-0906W08H-P-GM		

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



M139



Q1



Q35

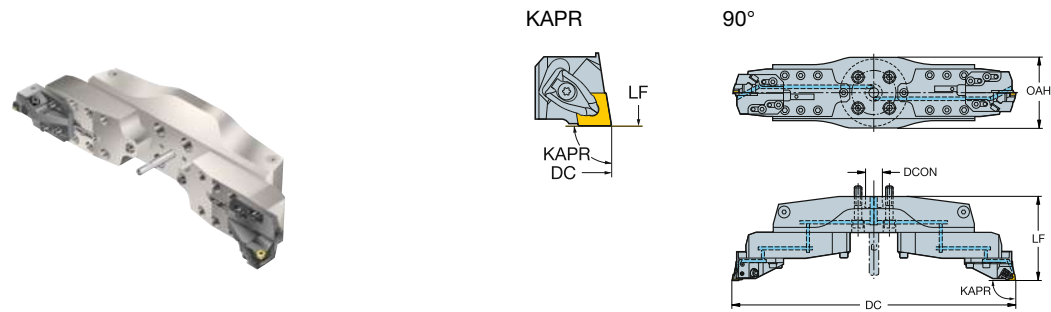


Q28

CoroBore® 820 XL rough boring tool

Arbor with bridge extension - Internal coolant supply

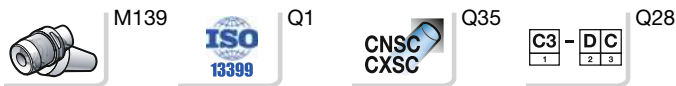
Up to 2 cutting edges



- CNMM, CNGP
- CNMG
- CNMA, CNGA

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

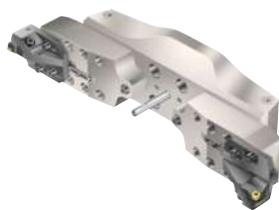
Use with 40X CoroBore XL holders only. To be ordered separately.



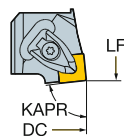
CoroBore® 820 XL rough boring tool

Arbor with bridge extension - Internal coolant supply

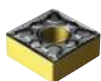
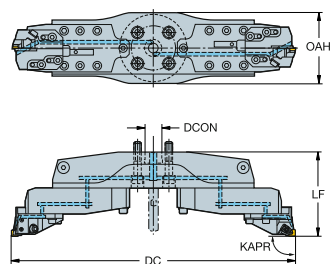
Up to 2 cutting edges



KAPR



84°



-  SNMM
-  SNMG
-  SNMA, SNGA

						Dimensions, mm, inch									
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCN	ADJLX _{AXL}	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
21.181	30.709						1.575	.059	7.795	6.457	1015				SNMG 542
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
30.630	40.158						1.575	.059	8.583	6.457	1015				SNMG 542
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
40.079	49.606						1.575	.059	8.583	6.457	1015				SNMG 542

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



M139



Q1



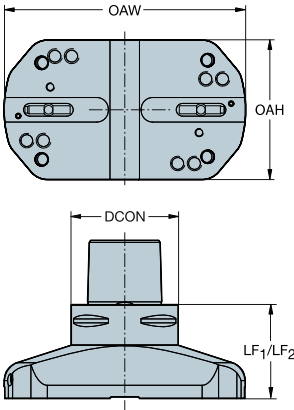
Q35



Q28

Coromant Capto® to CoroBore® XL tool body

Internal coolant supply



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

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.



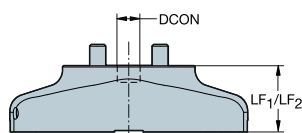
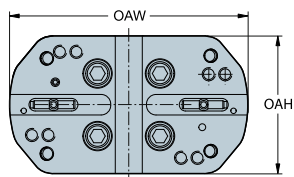
Q1



Q35

Arbor to CoroBore® XL lightweight tool body

Internal coolant supply



					Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	LF ₁	LF ₂	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
5.827	7.874					1.575	1.969	1.969	4.094	5.118	1015	
198.0	250.0	40S	S17FR	1	A40-R822XLS17-LK 050	40.00	50.00	50.00	104.00	180.00	70	1.990
7.795	9.843					1.575	1.969	1.969	4.094	7.087	1015	
248.0	300.0	40S	S17FR	1	A40-R822XLS17-LL 050	40.00	50.00	50.00	104.00	230.00	70	2.470
9.764	11.811					1.575	1.969	1.969	4.094	9.055	1015	

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



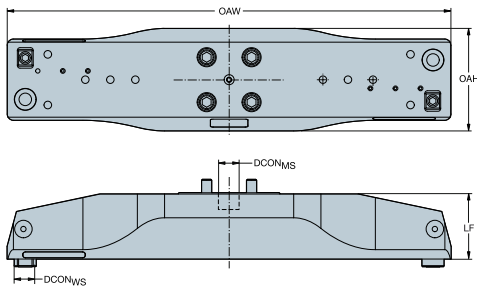
Q35

Arbor to CoroBore® XL bridge

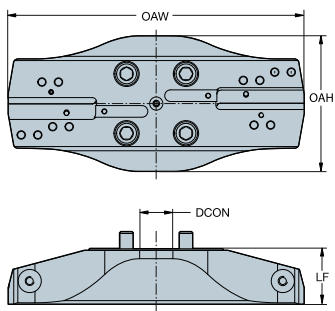
Internal coolant supply



A40-NXLA35



A40-RXLS24



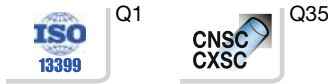
						Dimensions, mm, inch						
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	LF	WF	OAH	OAW	CP BarPSI	Kg
298.0	380.0	40X	S24	1	A40-RXLS24-AM2 062	40.00	62.00	103.25	164.00	278.00	70	5.330
11.732	14.961					1.575	2.441	4.065	6.457	10.945		1015
378.0	460.0	40X	S24	1	A40-RXLS24-AN2 067	40.00	67.00	143.25	164.00	358.00	70	7.090
14.882	18.110					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
18.032	21.260					1.575	2.835	7.215	6.457	17.244		1015

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.

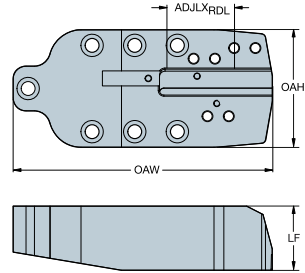
						Dimensions, mm, inch								
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	LF	WF	OAH	OAW	CP BarPSI		
538.0	780.0	40X	A35	1	A40-NXLA35-AP2 086	40.00	35.00	86.00	206.00	164.00	470.00	70	14.770	
						1.575	1.378	3.386	8.110	6.457	18.504	1015		
778.0	1020.0	40X	A35	1	A40-NXLA35-AQ2 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		

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.

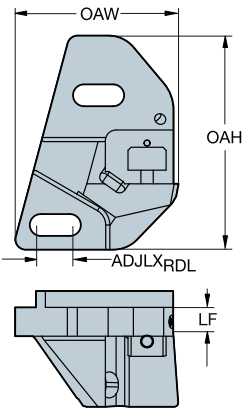


CoroBore® XL bridge extension
Internal coolant supply

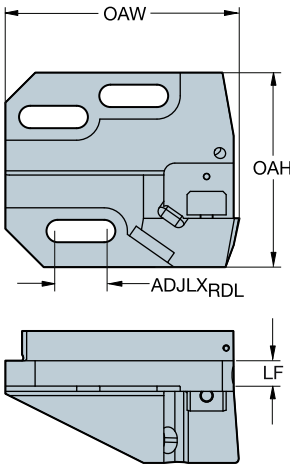


			Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	ADJLX _{RDL}	LF	WF	OAH	OAW	CP BarPSI	 Kg
A35	S24	4	A35-RXLS24-A 060	35.00	20.00	80.00	60.00	17.25	110.00	243.00	70	3.350
				1.378	.787	3.150	2.362	.679	4.331	9.567	1015	

Slide for CoroBore® XL
Internal coolant supply



			Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	ADJLX _{RDL}	ADJLX _{AXL}	LF	WF	OAH	OAW	CP BarPSI		
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 _{MS}	CZC _{WS}	CNSC	Ordering code	ADJLX _{RDL}	ADJLX _{AXL}	LF	WF	OAH	OAW	CP BarPSI		
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

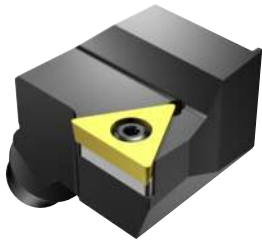


Q35

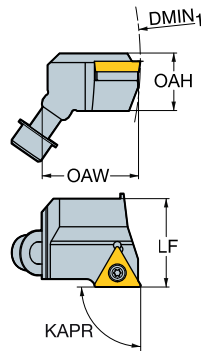
Cartridge for CoroBore® XL

KAPR

90°



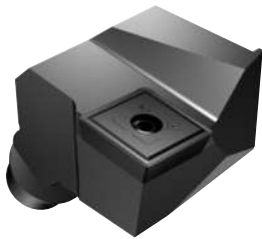
 TCMT, TCMX,
TCGT, TCGX
TCEX
 TCMW



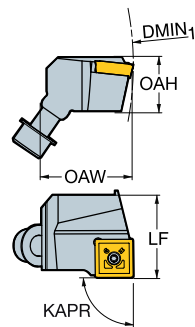
					Dimensions, mm, inch									
DMIN ₁			CZC _{MS}	CNSC	Ordering code	LF	WF	OAH	OAW			MIID		
148.0	22	1/2	S12	0	S12-R820XLR40STFC22	40.00	42.00	30.16	44.54	3.0	0.260	TCMT 22 04 08		
5.827						1.575	1.654	1.187	1.754			TCMT 432		

KAPR

90°



880-..P-..



					Dimensions, mm, inch									
DMIN ₁			CZC _{MS}	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		



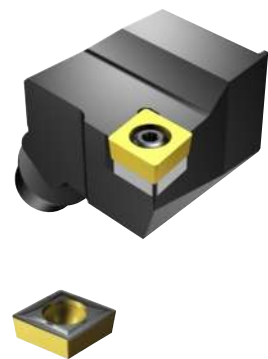
Q1



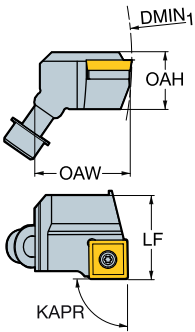
Q35

Cartridge for CoroBore® XL

KAPR 90°



- CCMT, CCGT
- CCGX, CCET
- CCMW

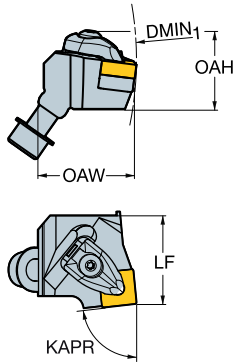


					Dimensions, mm, inch							
DMIN1	IC	CZC _{MS}	CNSC	Ordering code	LF	WF	OAH	OAW			MIID	
148.0	12	1/2	S12	0	S12-R820XLR40SCFC12	40.00	42.00	30.16	44.54	3.0	0.250	CCMT 12 04 08
5.827						1.575	1.654	1.187	1.754			CCMT 432

KAPR 90°



- CNMM, CNGP
- CNMG
- CNMA, CNGA



					Dimensions, mm, inch							
DMIN1	IC	CZC _{MS}	CNSC	Ordering code	LF	WF	OAH	OAW			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

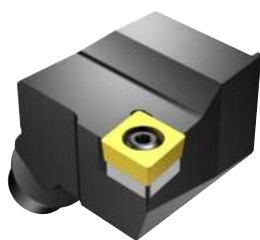
Q1

Q35

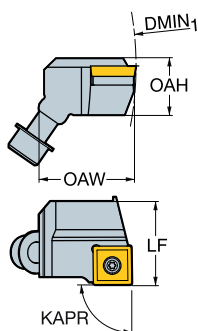
Cartridge for CoroBore® XL

KAPR

84°



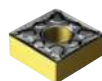
SCMT, SCGX
SCMW



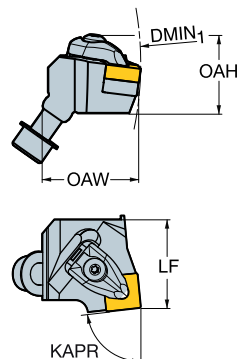
						Dimensions, mm, inch			
DMIN ₁	IC	CZC _{MS}	CNSC	Ordering code	LF	WF	OAH	OAW	MIID
148.0	12	1/2	S12	0	40.00	42.00	30.16	44.54	SCMT 12 04 08
5.827					1.575	1.654	1.187	1.754	SCMT 432

KAPR

84°



SNMM
SNMG
SNMA, SNGA



						Dimensions, mm, inch			
DMIN ₁	IC	CZC _{MS}	CNSC	Ordering code	LF	WF	OAH	OAW	MIID
148.0	15	5/8	S12	0	40.00	42.00	39.70	44.54	SNMG 15 06 08
5.827					1.575	1.654	1.563	1.754	SNMG 542



Q1

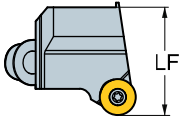
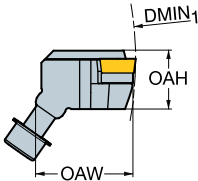


Q35

J

Cartridge for CoroBore® XL

K



L



RCMT
RCGX-AL

M

					Dimensions, mm, inch							
		CZC _{MS}	CNSC	Ordering code	LF	WF	OAH	OAW			MIID	
DMIN ₁	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

O

P

Q

Q1

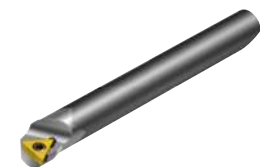
Q35

CoroTurn® XS boring bar for boring

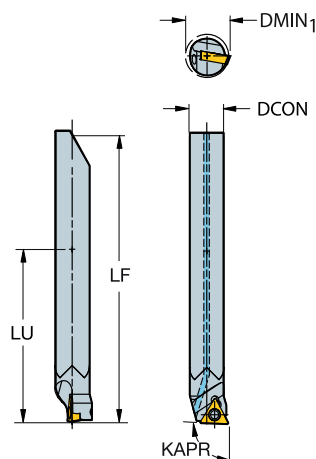
CXS connection - Internal coolant supply

KAPR

92°



TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW



					Dimensions, mm, inch									
DMIN ₁			CZC _{MS}	CNSC	Ordering code	DCON	LU	LF	WF	CP BarPSI			MIID	
6.0 .236	05	1/8	6	1	CXS-06-06 030TC05	6.00	30.00	51.25	3.00	20	0.6	0.020	TCMX 05 01 00 TCEX 1(1)00	
8.0 .315	05	1/8	6	1	CXS-06-08 030TC05	6.00	30.00	51.25	4.00	20	0.6	0.020	TCMX 05 01 00 TCEX 1(1)00	
10.0 .394	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 TCMT 1.2(1.2)0	
12.0 .472	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 TCMT 1.2(1.2)0	
14.0 .551	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 TCMT 1.8(1.5)0	
17.0 .669	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 TCMT 1.8(1.5)0	

Recommended adapters: CoroBore 824XS



M86



Q1



Q35

Coromant Capto® to CoroTurn® XS adapter

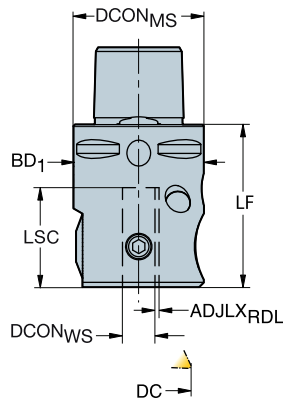
CoroBore® 824 XS

Internal coolant supply

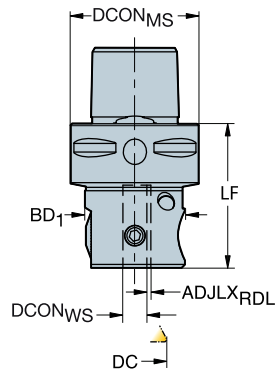


DSGN

1



2



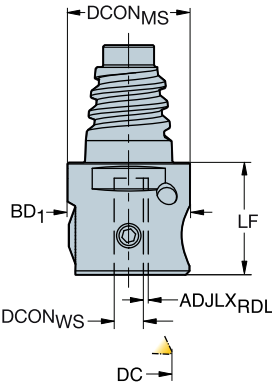
						Dimensions, mm, inch									
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	DSGN	Ordering code	DCON _{MS}	DCON _{WS}	ADJLX _{RDL}	LF	BD ₁	CP BarPSI	 Nm	 Kg	
1.0	6.0	C3	4	1	2	C3-R824XS04-021	32.00	4.00	1.00	36.00	25.00	20	1.2	0.200	
.039	.236						1.260	.157	.039	1.417	.984	290			
6.0	10.0	C3	6	1	2	C3-R824XS06-016	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 adapter

CoroBore® 824 XS
Internal coolant supply



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

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



Boring bar with indexable insert for fine boring heads

Cylindrical shank - Internal coolant supply

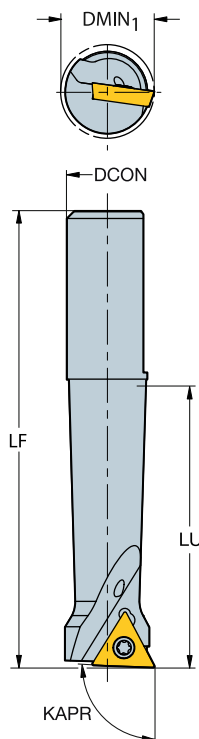
Steel bar

KAPR

92°



TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW



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

Recommended adapters: 391.37A/B



M95



Q1



Q35

Boring bar with indexable insert for fine boring heads

Cylindrical shank - Internal coolant supply

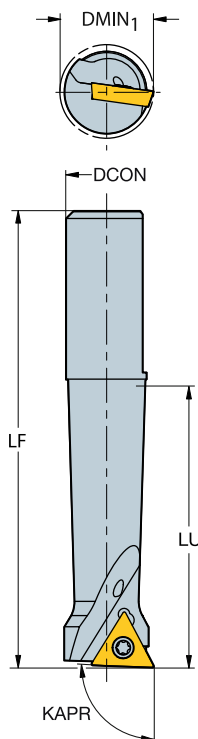
Steel bar

KAPR

92°



TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW



						Dimensions, mm, inch									
DMIN ₁			CZC _{MS}	CNSC	Ordering code	DCON	LU	LF	WF	CP Bar PSI			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 adapters: 391.37A/B



M95



Q1

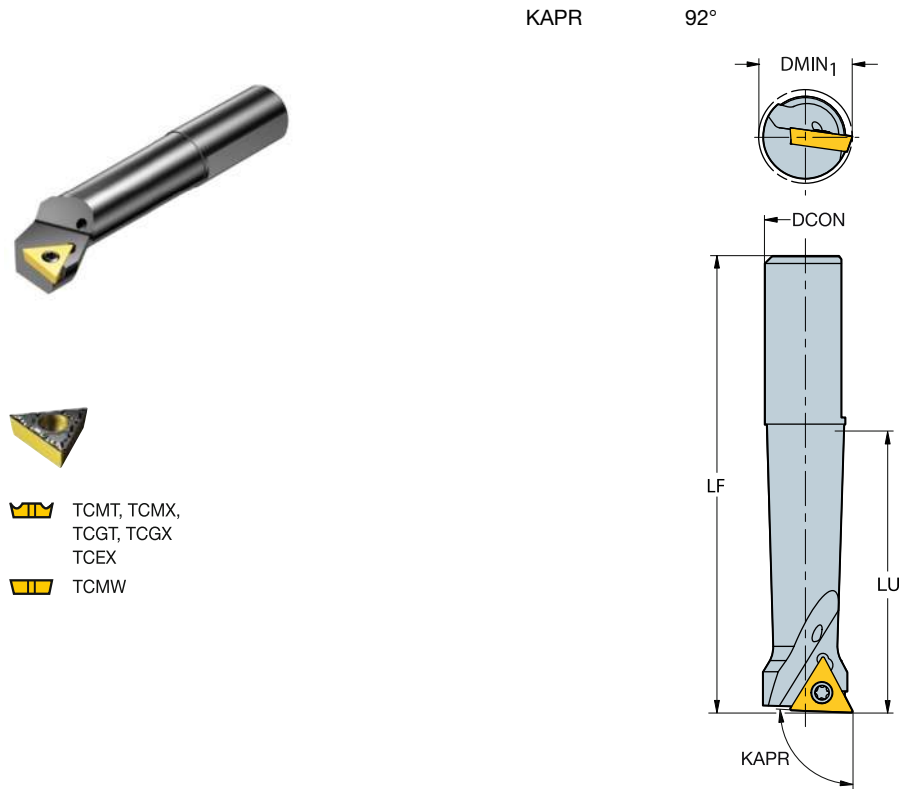


Q35

Boring bar with indexable insert for fine boring heads

Cylindrical shank - Internal coolant supply

Steel bar



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

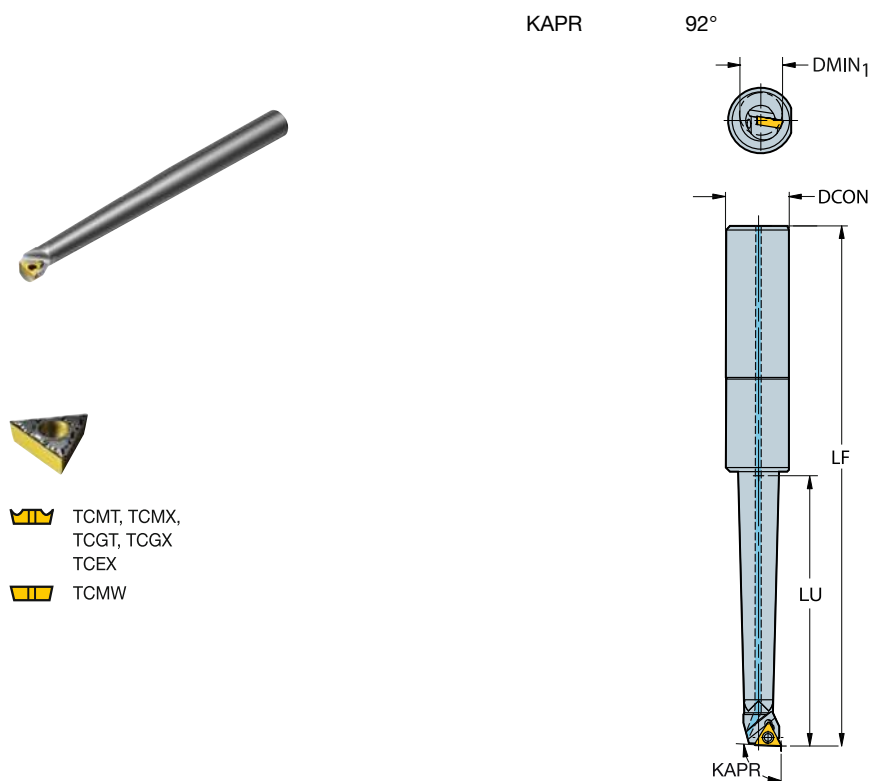
Recommended adapters: 391.37A/B



Boring bar with indexable insert for fine boring heads

Cylindrical shank - Internal coolant supply

Carbide bar with brazed steel head



					Dimensions, mm, inch									
DMIN ₁			CZC _{MS}	CNSC	Ordering code	DCON	LU	LF	WF	CP BarPSI			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 adapters: 391.37A/B



M95

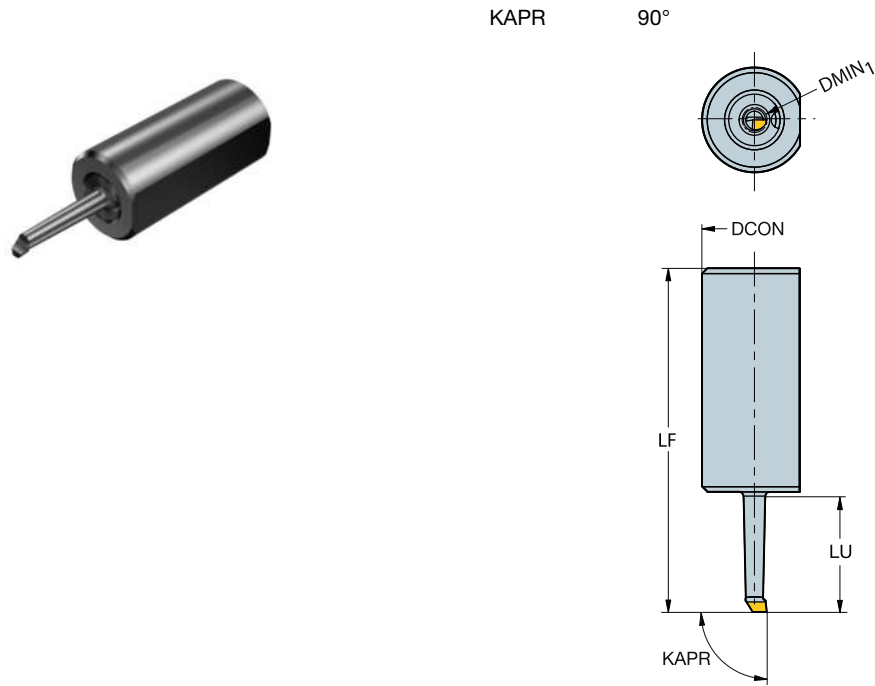


Q1



Q35

Solid boring bar for fine boring head



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

				P	M	K	N	S	Dimensions, mm, inch					
DMIN ₁	CZC _{MS}	CNSC	Ordering code	H10F	H10F	H10F	H10F	H10F	DCON	LU	LF	WF	CP BarPSI	 Kg
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	

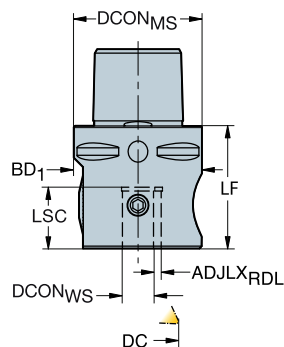
Recommended adapters: 391.37A/B



Coromant Capto® to fine boring head adapter

391.37A head

Internal coolant supply



					Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	ADJLX _{RDL}	LF	BD ₁	CP BarPSI	 Kg
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



O5



Q1

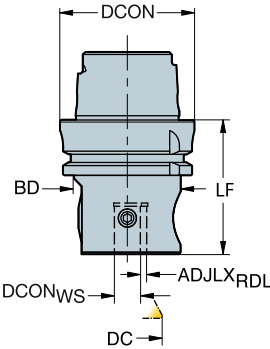


Q35

HSK to fine boring head adapter

391.37A head

Internal coolant supply



					Dimensions, mm, inch									
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	ADJLX _{RDL}	LF	BD ₁	CP BarPSI			
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



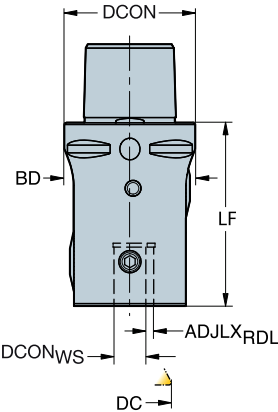
Q1



Q35

Coromant Capto® to fine boring head adapter

391.37B head with adjustable counterweight
Internal coolant supply



						Dimensions, mm, inch						
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCN _{MS}	DCN _{WS}	ADJLX _{RDL}	LF	BD ₁	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



O5



Q1



Q35

J

HSK to fine boring head adapter

391.37B head with adjustable counterweight

Internal coolant supply

K



L

M

					Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	ADJLX _{RDL}	LF	BD ₁	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

N

O

P

Q

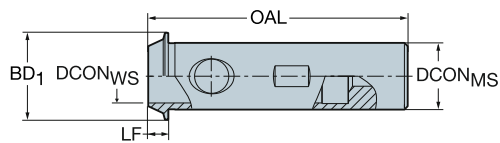


Q1



Q35

Sleeve for fine boring head



				Dimensions				
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	LF	OAL	BD ₁
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



O5



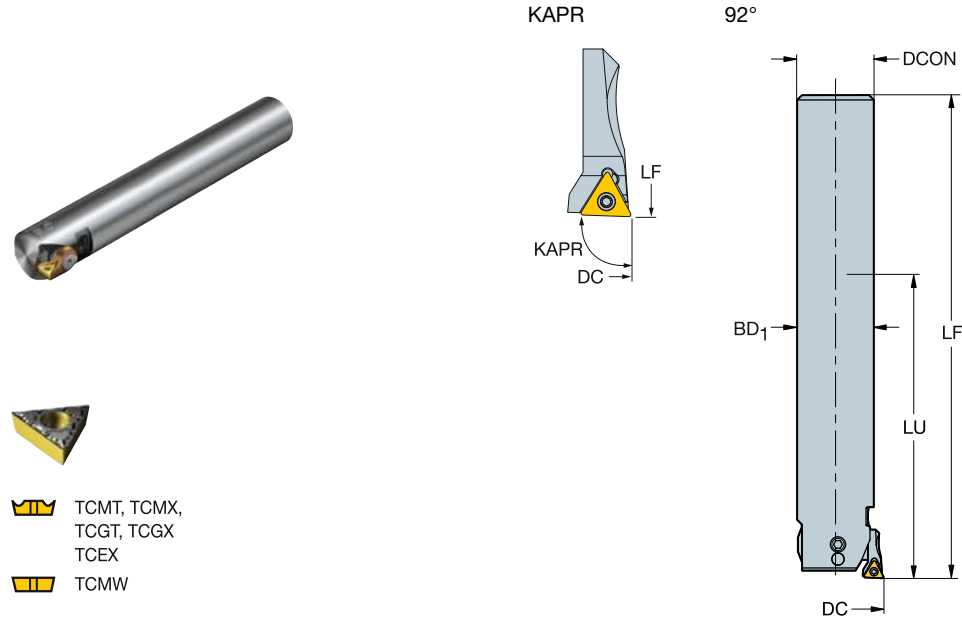
Q1



Q35

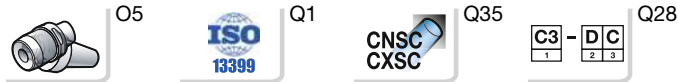
CoroBore® 825 fine boring tool

Cylindrical shank - Internal coolant supply
1 cutting edge



						Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LU	LF	BD ₁	CP BarPSI			CICT	MIID		
19.0	23.0	06	5/32	18	1	825-23TC06-A18	18.00	77.00	128.00	18.00	70	0.6	0.270	1	TCMT 06 T1 02		
.748	.906						.709	3.032	5.039	.709	1015				TCMT 1.2(1.2)0		
23.0	29.0	06	5/32	20	1	825-29TC06-A20	20.00	81.00	132.00	20.00	70	0.6	0.380	1	TCMT 06 T1 02		
.906	1.142						.787	3.189	5.197	.787	1015				TCMT 1.2(1.2)0		
28.0	36.0	06	5/32	25	1	825-36TC06-A25	25.00	101.00	158.00	25.00	70	0.6	0.660	1	TCMT 06 T1 02		
1.102	1.417						.984	3.976	6.220	.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 the use of slide extensions, see page M20



CoroBore® 825 fine boring tool

Coromant EH coupling - Internal coolant supply

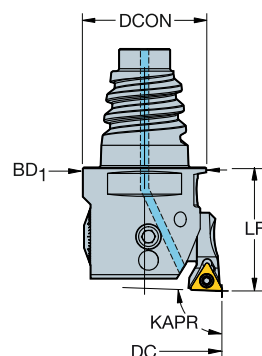
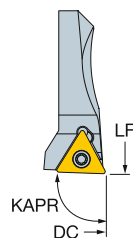
1 cutting edge



TCMT, TCMX,
TCGT, TCGX
TCEX
 TCMW

KAPR

92°



							Dimensions, mm, inch							
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	BD ₁	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 the use of slide extensions, see page M20



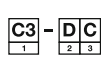
O5



Q1



Q35



Q28

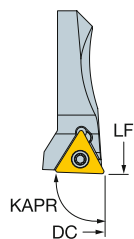
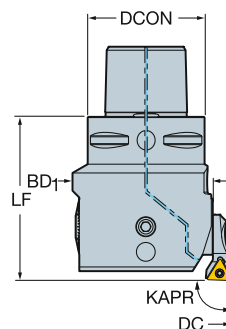
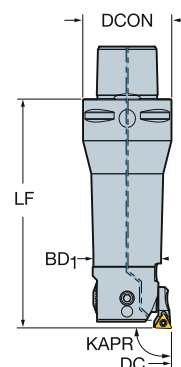
CoroBore® 825 fine boring tool

Coromant Capto® - Internal coolant supply

1 cutting edge



TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

KAPR
DSGN92°
192°
2

								Dimensions, mm, inch									
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁				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 1015	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 1015	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 1015	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 1015	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 1015	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		48.00 1.890	32.00 1.260	70 1015	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 1015	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		56.00 2.205	40.00 1.575	70 1015	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 1015	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		66.00 2.598	50.00 1.969	70 1015	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 1015	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 the use of slide extensions, see page M20



O5



Q1



Q35



Q28

CoroBore® 825 fine boring tool

Coromant Capto® - Internal coolant supply

1 cutting edge

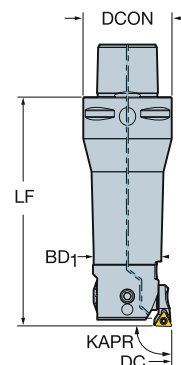
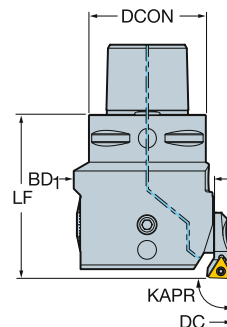
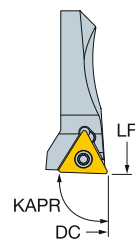


TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

KAPR
DSGN

92°
1

92°
2



								Dimensions, mm, inch								
DCN	DCX			CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁	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 the use of slide extensions, see page M20



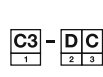
O5



Q1



Q35



Q28

CoroBore® 825 lightweight fine boring tool

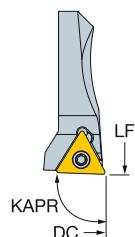
Coromant Capto® - Internal coolant supply

1 cutting edge

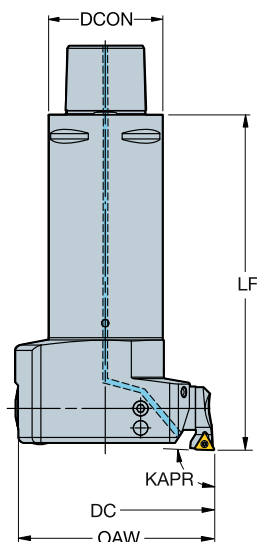
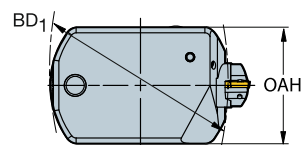


TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

KAPR



92°



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

Diameters are valid when frontboring.

For more information about backboring, see page M20

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



O5



Q1



Q35

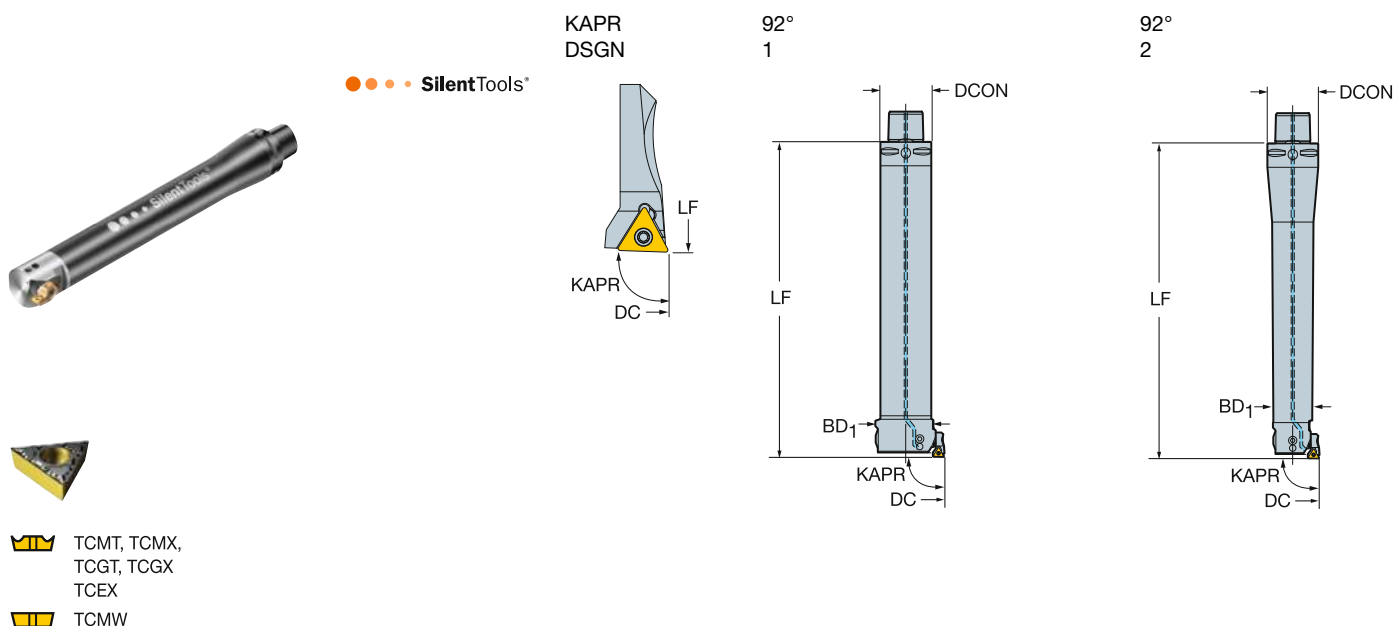


Q28

CoroBore® 825 dampened fine boring tool

Coromant Capto® - Internal coolant supply

1 cutting edge



										Dimensions, mm, inch									
DCN	DCX	IC	IC	CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ULDR	LF	BD ₁	CP BarPsi	Nm	Kg	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 7.559	21.00 .827	70 1015	0.6 1015	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 8.622	26.00 1.024	70 1015	0.6 1015	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 10.709	33.00 1.299	70 1015	0.8 1015	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 13.071	42.00 1.654	70 1015	0.8 1015	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 10.236	50.00 1.969	70 1015	0.9 1015	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 16.221	50.00 1.969	70 1015	0.9 1015	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 12.992	63.00 2.480	70 1015	0.9 1015	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 20.551	63.00 2.480	70 1015	0.9 1015	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 12.992	80.00 3.150	70 1015	0.9 1015	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 15.748	80.00 3.150	70 1015	0.9 1015	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 12.992	100.00 3.937	70 1015	0.9 1015	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 15.748	100.00 3.937	70 1015	0.9 1015	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 12.992	130.00 5.118	70 1015	0.9 1015	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 15.748	130.00 5.118	70 1015	0.9 1015	15.640	1	TCMT 11 03 04 TCMT 221			

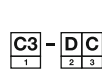
Diameters are valid when frontboring.

For more information about backboring, see page M20

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



Q35

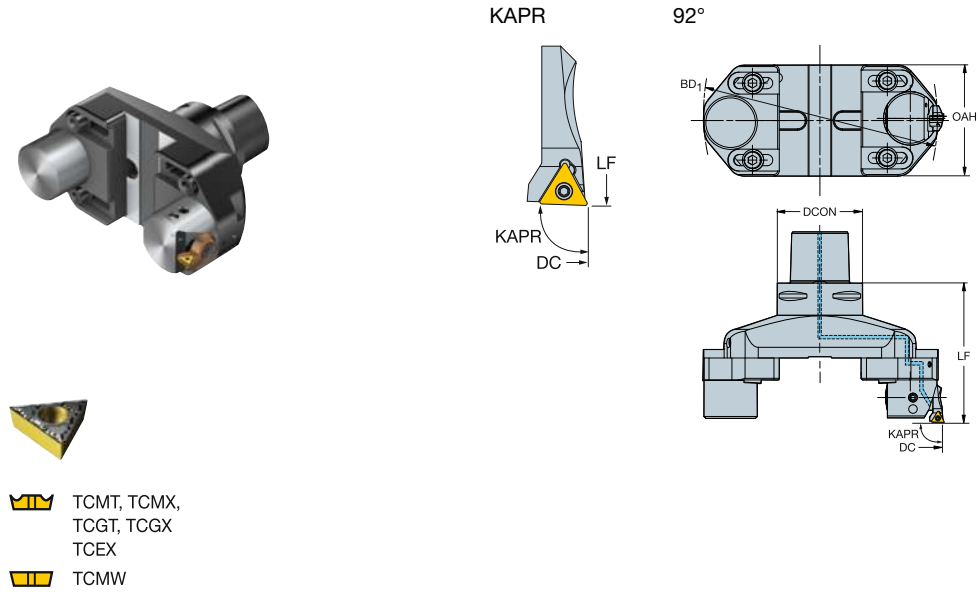


Q28

CoroBore® 825 XL fine boring tool

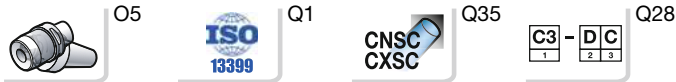
Coromant Capto® - Internal coolant supply

1 cutting edge



						Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁	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 the use of slide extensions, see page M20



CoroBore® 826 XL fine boring tool

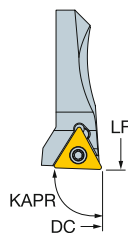
Coromant Capto® - Internal coolant supply

1 cutting edge

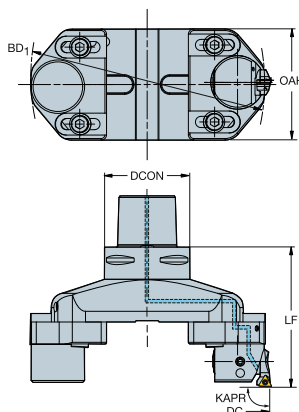


TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

KAPR



92°



						Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁				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 the use of slide extensions, see page M20

For more information about external boring, see page M21



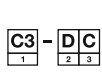
O5



Q1



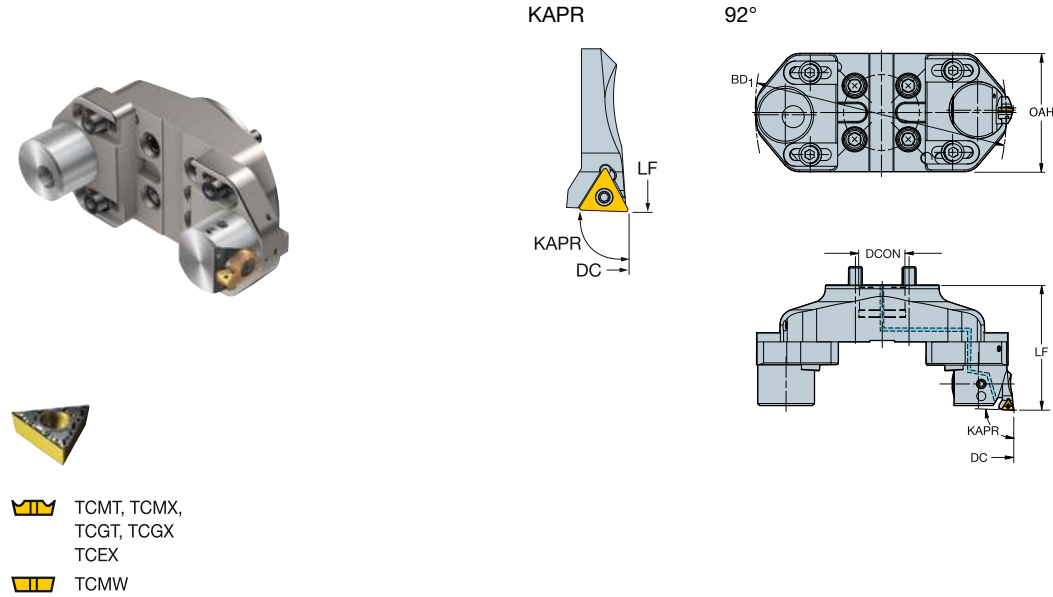
Q35



Q28

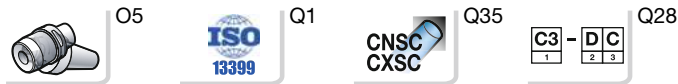
CoroBore® 825 XL lightweight fine boring tool

Arbor - Internal coolant supply
1 cutting edge



						Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁				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		
5.827	8.465						1.575	4.331	4.094	5.709	1015				TCMT 221		
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		
7.795	10.433						1.575	4.331	4.094	7.677	1015				TCMT 221		
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		
9.764	12.402						1.575	4.331	4.094	9.646	1015				TCMT 221		

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 the use of slide extensions, see page M20
For more information about external boring, see page M21



CoroBore® 826 XL lightweight fine boring tool

Arbor - Internal coolant supply

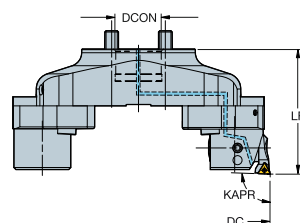
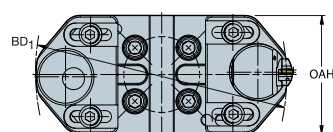
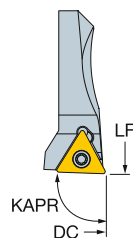
1 cutting edge



TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

KAPR

92°



						Dimensions, mm, inch											
DCN	DCX	IC	IC	CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁	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		
5.827	7.874						1.575	4.331	4.094	5.709	1015				TCMT 221		
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		
7.795	9.843						1.575	4.331	4.094	7.677	1015				TCMT 221		
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		
9.764	11.811						1.575	4.331	4.094	9.646	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 the use of slide extensions, see page M20

Diameters are valid when frontboring.



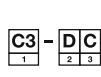
O5



Q1



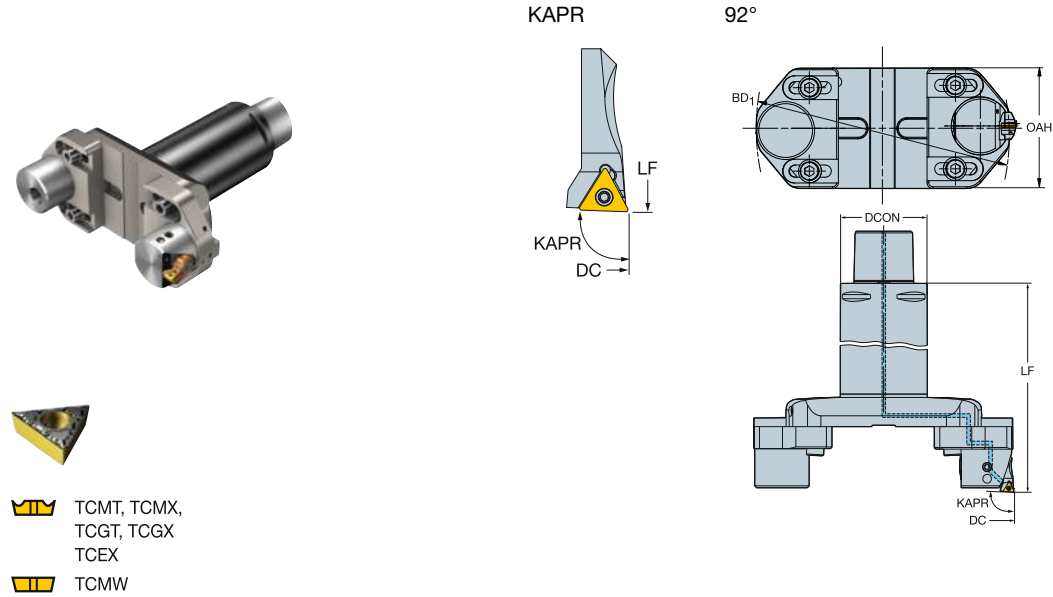
Q35



Q28

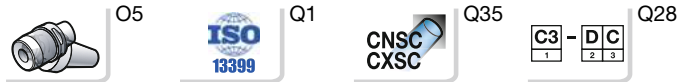
CoroBore® 825 XL lightweight fine boring tool

Coromant Capto® - Internal coolant supply
1 cutting edge



						Dimensions, mm, inch										
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁	CP BarPSI			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	
5.827	8.465						3.150	9.055	4.094	5.709	1015				TCMT 221	
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	
7.795	10.433						3.150	9.055	4.094	7.677	1015				TCMT 221	
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	
9.764	12.402						3.150	9.055	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 the use of slide extensions, see page M20



CoroBore® 826 XL lightweight fine boring tool

Coromant Capto® - Internal coolant supply

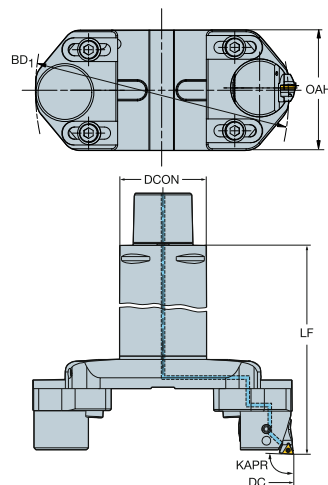
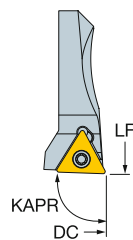
1 cutting edge



TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

KAPR

92°



						Dimensions, mm, inch										
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁	CP BarPSI			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	
5.827	7.874						3.150	9.055	4.094	5.709	1015				TCMT 221	
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	
7.795	9.843						3.150	9.055	4.094	7.677	1015				TCMT 221	
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	
9.764	11.811						3.150	9.055	4.094	9.646	1015				TCMT 221	

Backboring is not recommended with CoroBore® 826

For more information about external boring, see page M21

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

Diameters are valid when frontboring.



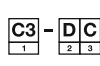
O5



Q1



Q35

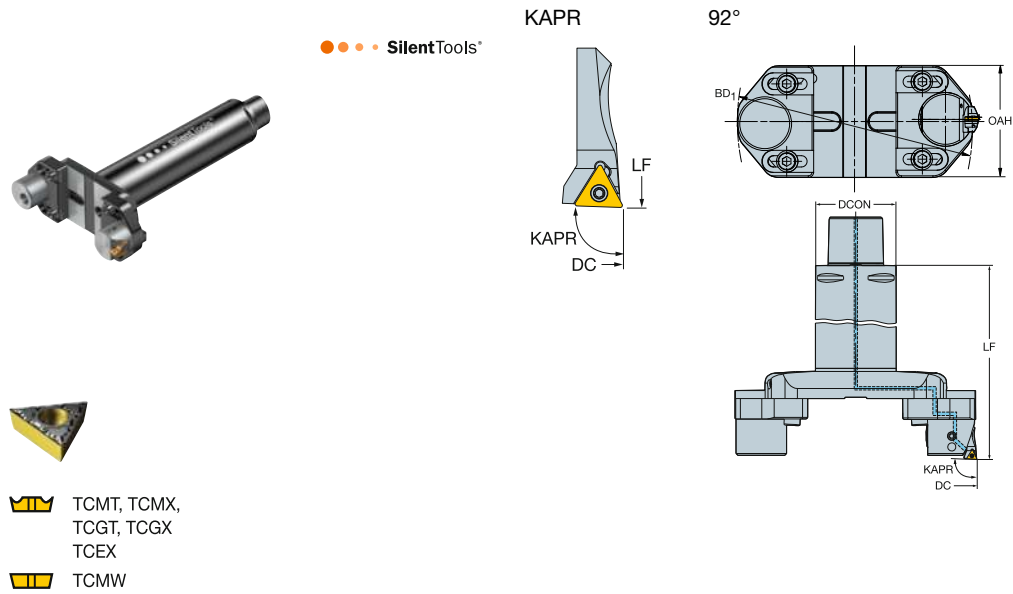


Q28

CoroBore® 825 XL dampened fine boring tool

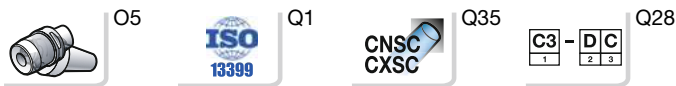
Coromant Capto® - Internal coolant supply

1 cutting edge



							Dimensions, mm, inch										
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁	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		
5.906	8.465						3.150	15.748	4.094	5.787	1015				TCMT 221		
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		
7.874	10.433						3.150	15.748	4.094	7.756	1015				TCMT 221		
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		
9.843	12.402						3.150	15.748	4.094	9.724	1015				TCMT 221		

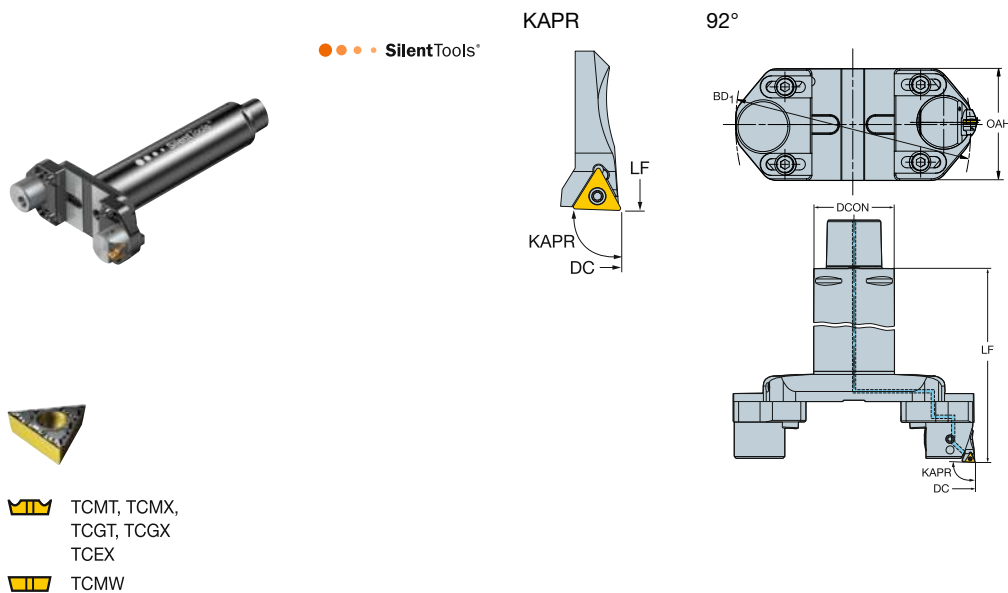
Diameters are valid when frontboring.
For more information about external boring, see page M21
For more information about backboring, see page M20
For more information about the use of slide extensions, see page M20



CoroBore® 826 XL dampened fine boring tool

Coromant Capto® - Internal coolant supply

1 cutting edge



							Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁	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			

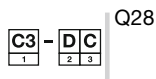
Use with 40S facemill holders, example C8-391.05-40 060M. To be ordered separately.

Backboring is not recommended with CoroBore® 826

For more information about external boring, see page M21

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

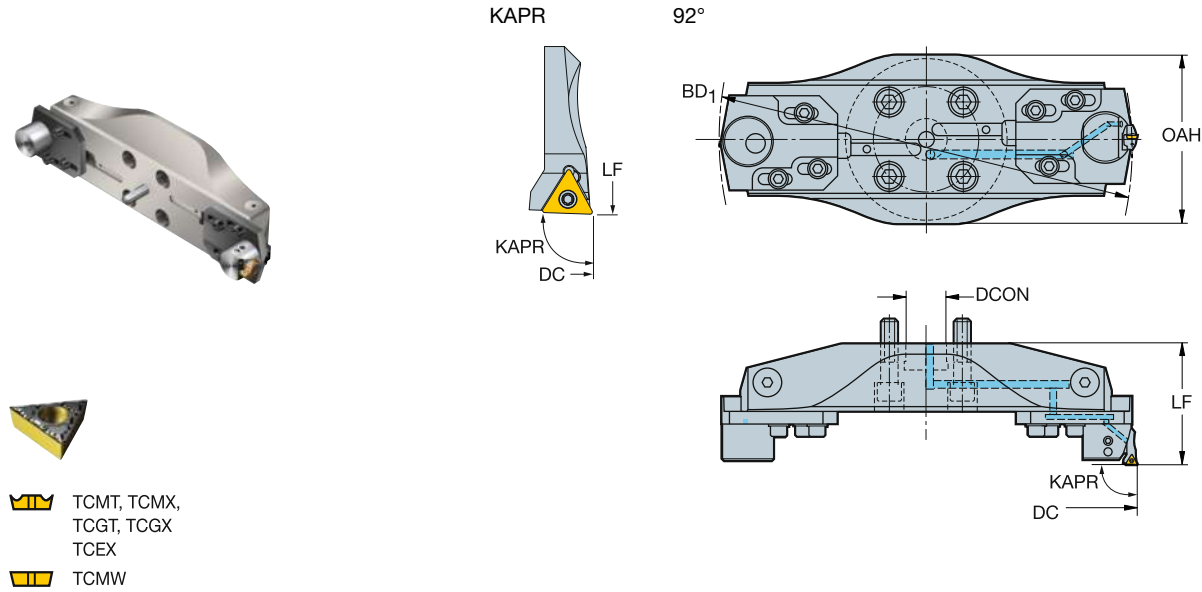
Diameters are valid when frontboring.



CoroBore® 825 XL fine boring tool

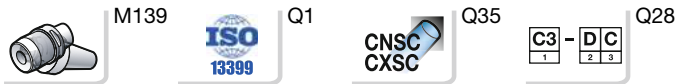
Arbor - Internal coolant supply

1 cutting edge



							Dimensions, mm, inch										
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁				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		
11.732	15.551						1.575	4.488	6.457	11.614	1015				TCMT 221		
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		
14.882	18.701						1.575	4.685	6.457	14.764	1015				TCMT 221		
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		
18.032	21.850						1.575	4.882	6.457	17.913	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 the use of slide extensions, see page M20



CoroBore® 826 XL fine boring tool

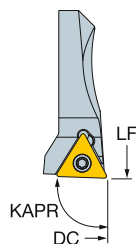
Arbor - Internal coolant supply

1 cutting edge

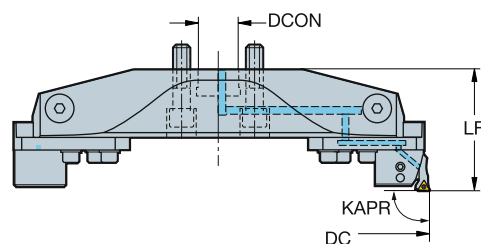
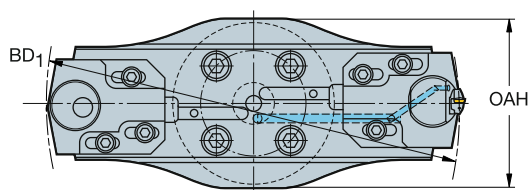


TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

KAPR



92°



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

Backboring is not recommended with CoroBore® 826

For more information about external boring, see page M21

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

Diameters are valid when frontboring.



M139



Q1



Q35

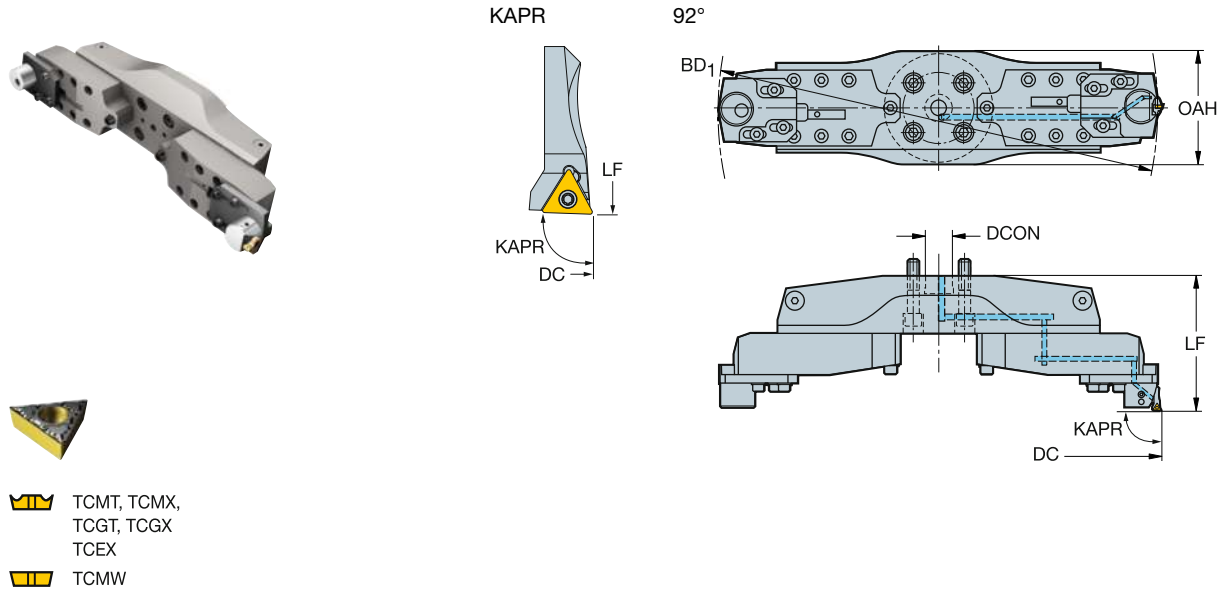


Q28

CoroBore® 825 XL fine boring tool

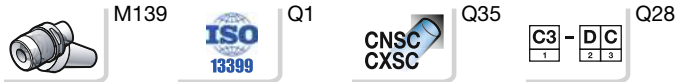
Arbor with bridge extension - Internal coolant supply

1 cutting edge



						Dimensions, mm, inch										
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	LF	OAH	BD ₁				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	
21.181	31.299						1.575	7.795	6.457	21.063	1015				TCMT 221	
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	
30.630	40.748						1.575	8.583	6.457	30.512	1015				TCMT 221	
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	
40.079	50.197						1.575	8.583	6.457	39.961	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 the use of slide extensions, see page M20



CoroBore® 826 XL fine boring tool

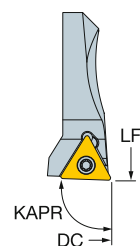
Arbor with bridge extension - Internal coolant supply

1 cutting edge

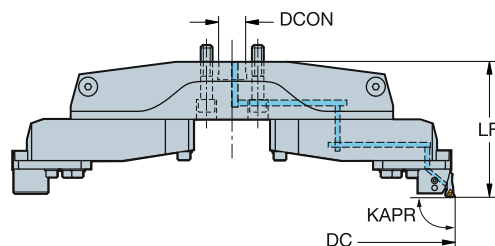
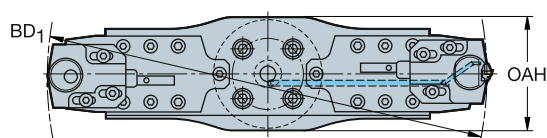


TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

KAPR



92°



						Dimensions, mm, inch									
DCN	DCX	11	1/4	CZC _{MS}	CNSC	Ordering code	DCN	LF	OAH	BD ₁	CP BarPSI	Nm	Kg	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
21.181	30.709						1.575	7.795	6.457	21.063	1015				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
30.630	40.158						1.575	8.583	6.457	30.512	1015				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
40.079	49.606						1.575	8.583	6.457	39.961	1015				TCMT 221

Backboring is not recommended with CoroBore® 826

For more information about external boring, see page M21

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

Diameters are valid when frontboring.



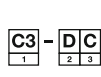
M139



Q1



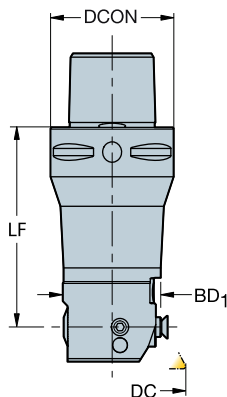
Q35



Q28

Coromant Capto® to CoroBore® 825 tool body

Internal coolant supply



						Dimensions, mm, inch								
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	LF	WF	BD ₁	 CP BarPSI	 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			



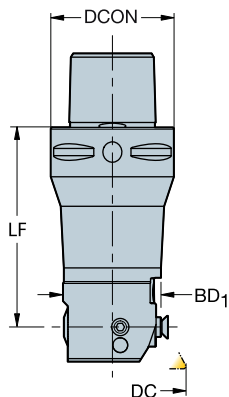
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Q35

Coromant Capto® to CoroBore® 825 tool body

Internal coolant supply



					Dimensions, mm, inch								
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	LF	WF	BD ₁	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
2.717	3.425					1.969	.354	1.850	1.358	2.480	1015		
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
3.386	4.213					1.969	.413	2.087	1.693	3.150	1015		
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
2.165	2.756					2.480	.295	3.819	1.083	1.969	1015		
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
2.717	3.425					2.480	.354	2.913	1.358	2.480	1015		
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
3.386	4.213					2.480	.413	2.638	1.693	3.150	1015		
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
4.173	5.394					2.480	.610	2.638	2.087	3.937	1015		
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
5.354	6.575					2.480	.610	2.638	2.677	5.118	1015		
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
4.173	5.394					3.150	.610	3.032	2.087	3.937	1015		
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
5.354	6.575					3.150	.610	3.032	2.677	5.118	1015		



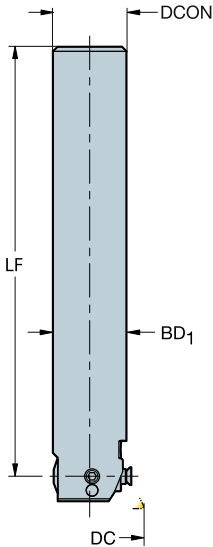
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Q35

Cylindrical shank to CoroBore® 825 tool body

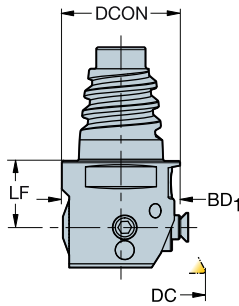
Internal coolant supply



										Dimensions, mm, inch				
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	LF	WF	BD ₁	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			

Coromant EH to CoroBore® 825 tool body

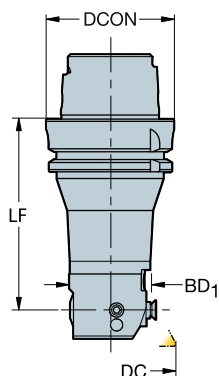
Internal coolant supply



						Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	LF	WF	BD ₁	CP BarPSI	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
.748	.906					.610	.079	.551	.374	.709	1015		
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
.906	1.142					.760	.118	.551	.453	.787	1015		
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
1.102	1.417					.953	.157	.551	.551	.984	1015		

HSK to CoroBore® 825 tool body

Internal coolant supply



Dimensions, mm, inch

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



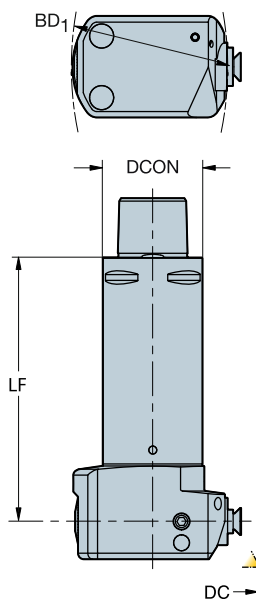
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Q35

Coromant Capto® to CoroBore® 825 lightweight tool body

Internal coolant supply



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



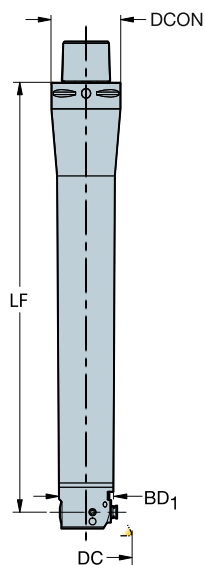
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Q35

Coromant Capto® to CoroBore® 825 dampened tool body

Internal coolant supply



				Dimensions, mm, inch						
DCN	DCX	CZC _{MS}	CZC _{WS}	Ordering code	DCON	LF	BD ₁	CNSC	CP BarPSI	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	



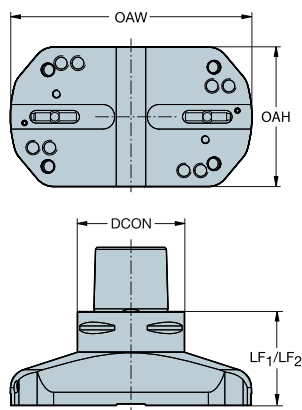
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Q35

Coromant Capto® to CoroBore® XL tool body

Internal coolant supply



					Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	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		



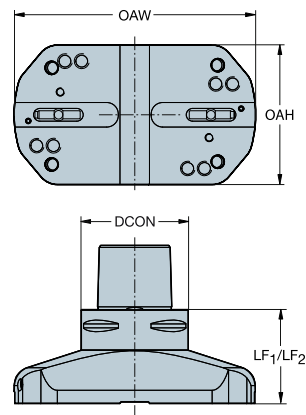
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Q35

Coromant Capto® to CoroBore® XL lightweight tool body

Internal coolant supply

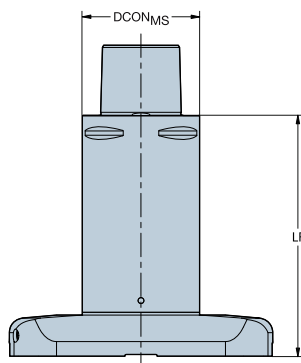


					Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	LF	WF	OAW	CP BarPSI	Nm	Kg
148.0	200.0	C8	S17F	1	C8-R825XLS17-LJ 170	80.00	170.00	36.85	130.00	70	60.0	4.410
5.827	7.874					3.150	6.693	1.451	5.118	1015		
198.0	250.0	C8	S17F	1	C8-R825XLS17-LK 170	80.00	170.00	61.85	180.00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

Coromant Capto® to CoroBore® XL dampened tool body

Internal coolant supply

Adapter



					Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	LF	WF	BD ₁	CP BarPSI	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
5.827	7.874					3.150	13.386	1.451	5.118	1015		
198.0	250.0	C8	S17F	1	C8-R825XLS17-FK340	80.00	340.00	61.85	180.00	70	60.0	12.600
7.795	9.843					3.150	13.386	2.435	7.087	1015		
248.0	300.0	C8	S17F	1	C8-R825XLS17-FL340	80.00	340.00	86.85	230.00	70	60.0	13.000
9.764	11.811					3.150	13.386	3.419	9.055	1015		



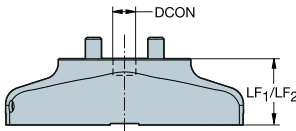
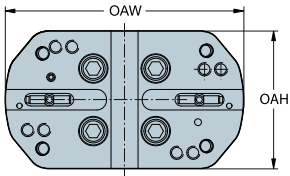
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Q35

Arbor to CoroBore® XL lightweight tool body

Internal coolant supply



					Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	LF ₁	LF ₂	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
5.827	7.874					1.575	1.969	1.969	4.094	5.118	1015	
198.0	250.0	40S	S17FR	1	A40-R822XLS17-LK 050	40.00	50.00	50.00	104.00	180.00	70	1.990
7.795	9.843					1.575	1.969	1.969	4.094	7.087	1015	
248.0	300.0	40S	S17FR	1	A40-R822XLS17-LL 050	40.00	50.00	50.00	104.00	230.00	70	2.470
9.764	11.811					1.575	1.969	1.969	4.094	9.055	1015	



Q1



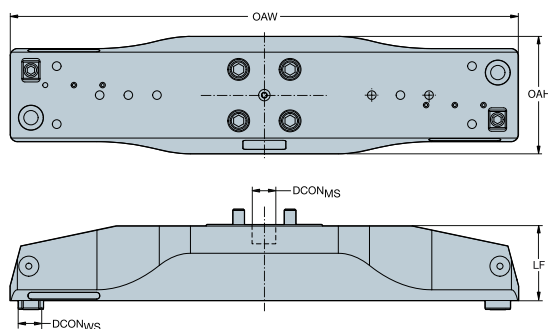
Q35

Arbor to CoroBore® XL bridge

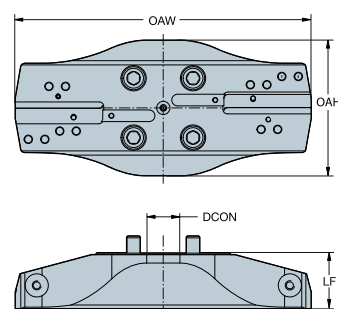
Internal coolant supply



A40-NXLA35



A40-RXLS24



						Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	LF	WF	OAH	OAW	CP BarPSI		
298.0	380.0	40X	S24	1	A40-RXLS24-AM2 062	40.00	62.00	103.25	164.00	278.00	70	5.330	
11.732	14.961					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	
14.882	18.110					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	
18.032	21.260					1.575	2.835	7.215	6.457	17.244	1015		

						Dimensions, mm, inch							
DCN	DCX	CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	LF	WF	OAH	OAW	CP BarPSI	
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
21.181	30.709					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
30.630	40.158					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
40.079	49.606					1.575	1.378	4.173	17.559	6.457	37.402	1015	



Q1



Q35

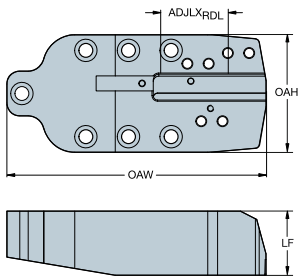
J

CoroBore® XL bridge extension
Internal coolant supply

K



L



M

N

			Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{AXL}	ADJLX _{RDL}	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	

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Q

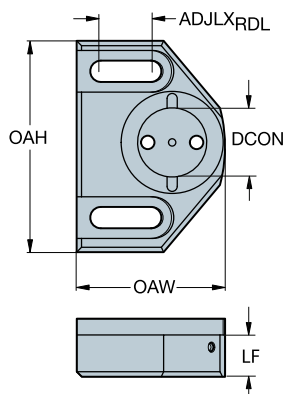
 Q1

 Q35

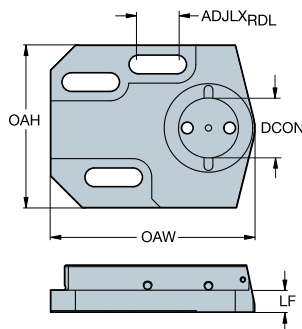
Slide for CoroBore® XL

Internal coolant supply

Slide



				Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	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 _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	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			



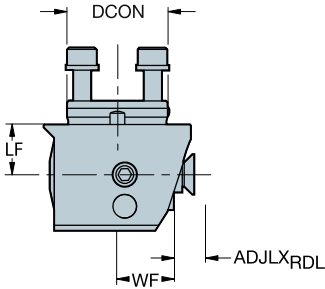
Q1



Q35

CoroBore® 825 fine boring head

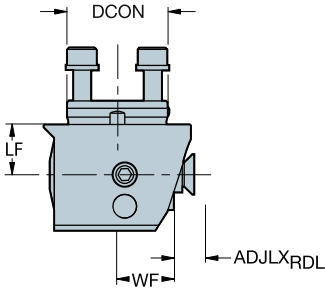
Internal coolant supply



				Dimensions, mm, inch					
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	LF	WF	CP BarPSI	 Kg
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

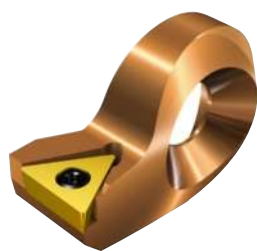


				Dimensions, mm, inch					
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	LF	WF	CP BarPSI	 Kg
A34	C	1	A34-R826C-E 017	34.00	0.50	17.00	17.50	70	0.530
				1.339	.020	.669	.689	1015	

 Q1

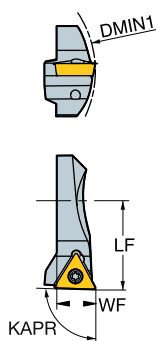
 Q35

Cartridge for CoroBore® 825/826

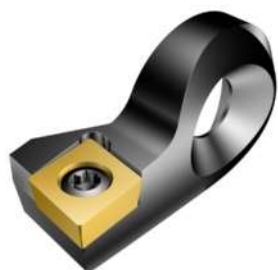


KAPR

92°

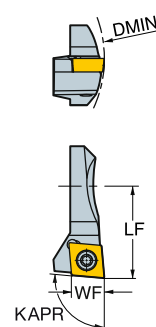


					Dimensions, mm, inch					
DMIN ₁			CZC _{MS}	CNSC	Ordering code	LF	WF			MIID
19.0 .748	06	5/32	A	0	R825A-AF11STUC06T1A	11.00 .433	5.00 .197	0.6	0.020	TCMT 06 T1 02 TCMT 1.2(1.2)0
19.0 .748	06	5/32	A	0	R825A-AF11STUP06T1A	11.00 .433	5.00 .197	0.6	0.020	TPMT 06 T1 02 TPMT 1.2(1.2)0
35.0 1.378	09	7/32	B	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°



					Dimensions, mm, inch					MIID
DMIN ₁			CZC _{MS}	CNSC	Ordering code	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



Q1



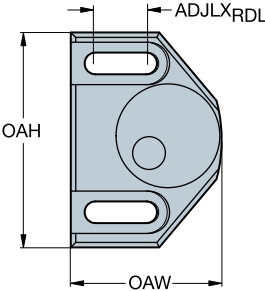
Q35

J

Counterweight for CoroBore® XL

Fine boring

K

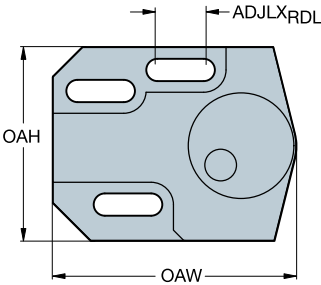


L

M

		Dimensions, mm, inch				
CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	OAH	OAW	
S17F	0	S17-825XL-CW	26.00	104.00	115.45	0.860
			1.024	4.094	4.545	

N



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		Dimensions, mm, inch				
CZC _{MS}	CNSC	Ordering code	ADJLX _{RDL}	OAH	OAW	
S24	0	S24-825XL-CW	22.00	92.00	32.62	1.560
			.866	3.622	1.284	

P

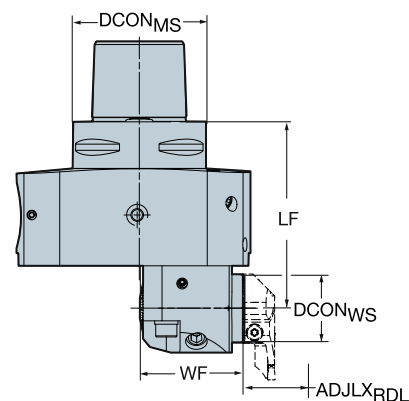
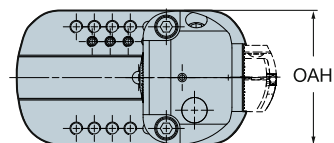
Q

 Q1

 Q35

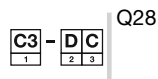
Coromant Capto® to CoroTurn SL adjustable adapter

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



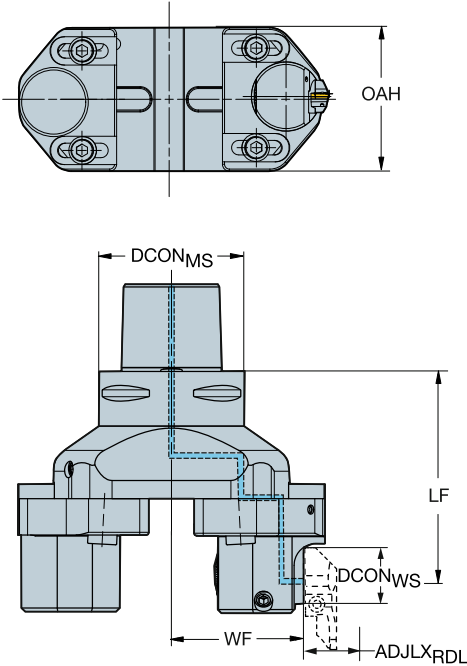
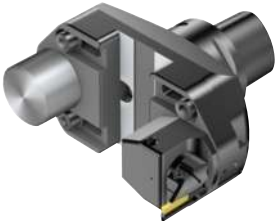
				Dimensions, mm, inch							
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	ADJLX _{RDL}	LF	WF	OAH	CP BarPSI	 Kg
C6	32	1	825-150SL32-C6	63.00 2.480	32.00 1.260	51.50 2.028	88.00 3.465	32.05 1.262	63.40 2.496	20 290	3.900
C8	32	1	825-150SL32-C8	80.00 3.150	32.00 1.260	51.50 2.028	96.00 3.780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

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



Coromant Capto® to CoroTurn SL adjustable adapter

Coromant Capto® - Internal coolant supply



		Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	ADJLX _{RDL}	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
				3.150	1.260	1.319	4.409	2.205	4.094	290	
C8	32	1	825-265SL32-C8	80.00	32.00	33.50	112.00	81.00	104.00	20	7.990
				3.150	1.260	1.319	4.409	3.189	4.094	290	
C8	32	1	825-315SL32-C8	80.00	32.00	33.50	112.00	106.00	104.00	20	9.190
				3.150	1.260	1.319	4.409	4.173	4.094	290	
C10	32	1	825-215SL32-C10	100.00	32.00	33.50	118.00	56.00	104.00	20	8.670
				3.937	1.260	1.319	4.646	2.205	4.094	290	
C10	32	1	825-265SL32-C10	100.00	32.00	33.50	118.00	81.00	104.00	20	9.930
				3.937	1.260	1.319	4.646	3.189	4.094	290	
C10	32	1	825-315SL32-C10	100.00	32.00	33.50	118.00	106.00	104.00	20	11.240
				3.937	1.260	1.319	4.646	4.173	4.094	290	

O5

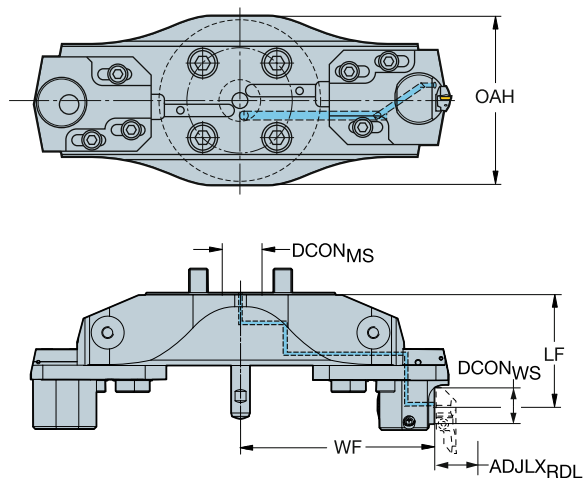
Q1

Q35

Q28

Arbor to CoroTurn SL adjustable adapter

Arbor - Internal coolant supply



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



M139



Q1



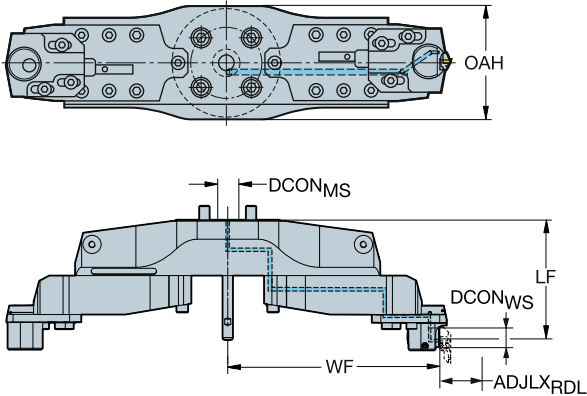
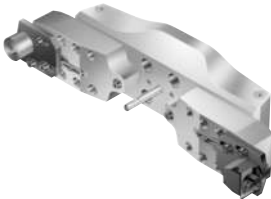
Q35



Q28

Arbor to CoroTurn SL adjustable adapter

Arbor with bridge extension - Internal coolant supply



		Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	ADJLX _{RDL}	LF	WF	OAH	CP BarPSI	 Kg
40X	32	1	825-1035SL32	40.00	32.00	128.50	200.00	371.00	164.00	20	36.310
				1.575	1.260	5.059	7.874	14.606	6.457	290	
40X	32	1	825-1275SL32	40.00	32.00	128.50	200.00	491.00	164.00	20	43.740
				1.575	1.260	5.059	7.874	19.331	6.457	290	
40X	32	1	825-795SL32	40.00	32.00	128.50	180.00	251.00	164.00	20	25.120
				1.575	1.260	5.059	7.087	9.882	6.457	290	



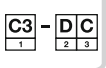
M139



Q1



Q35



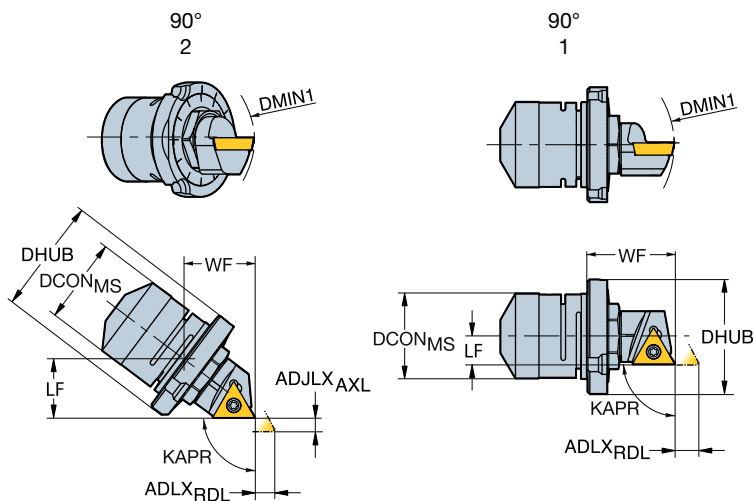
Q28

Fine boring unit

Unit and Cartridge



KAPR
DSGN



							Dimensions, mm, inch						
DMIN ₁		IC	CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ADJLX _{RDL}	LF	WF			MIID
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



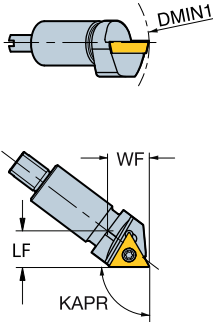
Q35

Cartridge for fine boring units

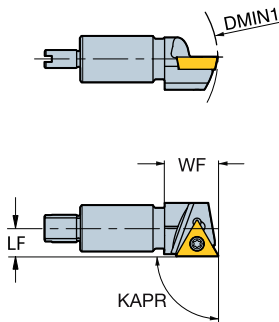


KAPR
DSGN

90°
2



90°
1



							Dimensions, mm, inch				MIID
DMIN1			CZC _{MS}	CNSC	DSGN	Ordering code	LF	WF			
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

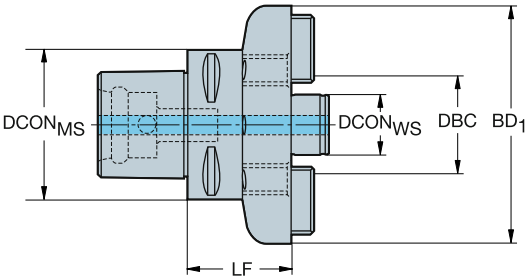


Q1



Q35

Coromant Capto® to CoroBore® XL adapter Internal coolant supply



					Dimensions, mm, inch							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DBC	DCON _{WS}	LF	LB ₁	BD ₁	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
					3.150	4.000	1.575	2.559	2.559	6.299	1160	
C10	40X	1	1	C10-391.XL-40 070	100	101.6	40.0	70.0	70.0	160.0	80	8.20
					3.937	4.000	1.575	2.756	2.756	6.299	1160	



O5



Q1

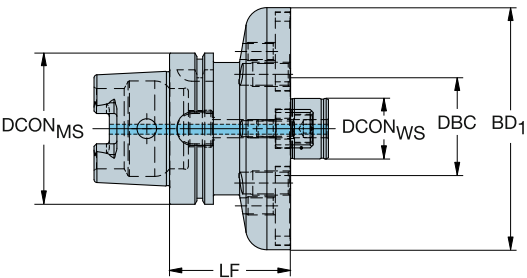


Q35

HSK to CoroBore® XL adapter

Internal coolant supply

DSGN 1



					Dimensions, mm, inch							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	DSGN	Ordering code	DCON _{MS}	DBC	DCON _{WS}	LF	LB ₁	BD ₁	CP BarPSI Kg
100	40X	1	1	1	392.410XL-10040 080	100	101.6	40.0	80.0	80.0	160.0	20 7.61
						3.937	4.000	1.575	3.150	3.150	6.299	290
125	40X	1	1	1	392.410XL-12540 080	125	101.6	40.0	80.0	80.0	160.0	20 9.97
						4.921	4.000	1.575	3.150	3.150	6.299	290

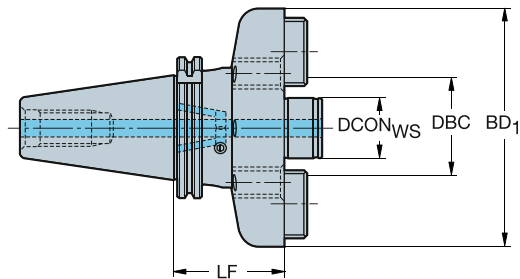
 Q1

 Q35

ISO 7388-1 to CoroBore® XL adapter

Internal coolant supply

DSGN 1



ISO7388.1 / MAS-BT 403

					Dimensions, mm, inch							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	DSGN	Ordering code	DBC	DCON _{WS}	LF	LB ₁	BD ₁	CP BarPSI	Kg
50	40X	7	1	1	392.644XL-5040 075	101.6	40.0	75.0	75.0	160.0	20	8.46
						4.000	1.575	2.953	2.953	6.299	290	
	40X	7	1	1	392.646XL-5040 080	101.6	40.0	80.0	80.0	160.0	20	8.46
						4.000	1.575	3.150	3.150	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.



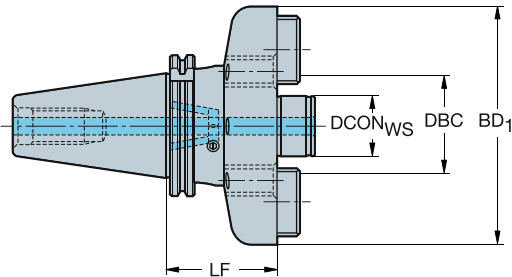
Q1



Q35

CAT-V to CoroBore® XL adapter
Internal coolant supply

DSGN 1



CAT V-Flange

					Dimensions, mm, inch							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	DSGN	Ordering code	DBC	DCON _{WS}	LF	LB ₁	BD ₁	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.



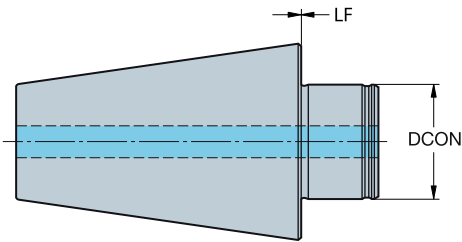
Q1



Q35

Centering plug

Internal coolant supply

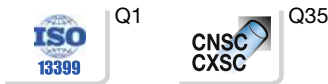


ISO7388.1 / MAS-BT 403

				Dimensions, mm, inch		
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	CP LF	BarPSI Kg
50	40 plug	1	1	392.647XL-5040	0.0	20 8.93
					.000	290

CAT V-Flange

				Dimensions, mm, inch		
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	CP LF	BarPSI Kg
50	40 plug	1	1	A392.647XL-5040	0.0	20 8.17
					.000	290



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 adapter body



Cleaning

- Clean all assembly items before assembly
- Regularly check that inserts and insert seats are free from dirt and are not damaged
- Lubricate all assembly items with oil at least once a year
- Clean and lubricate fine boring heads (825, 826) and a face grooving head (825SL) with oil:
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		
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		
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
		SC09	SC3(2.5)		
86-107	3.386-4.213	CC12	CC43	38.0	28.0
		SC12	CC43		
106-167	4.173-6.575	CC12	CC43	75.0	55.3
		SC12	CC43		
		CN12	CN43		
		SN12	SN43		
166-191	6.535-7.520	CC12	CC43	75.0	55.3
		SC12	CC43		
166-191	6.535-7.520	CN16	CN54	120.0	88.5
		SN15	SN54		
189-214	7.441-8.425	CC12	CC43	75.0	55.3
		SC12	CC43		
189-214	7.441-8.425	CN16	CN54	120.0	88.5
		SN15	SN54		
212-237	8.346-9.331	CC12	CC43	75.0	55.3
		SC12	CC43		
212-237	8.346-9.331	CN16	CN54	120.0	88.5
		SN15	SN54		
235-260	9.252-10.236	CC12	CC43	75.0	55.3
		SC12	CC43		
235-260	9.252-10.236	CN16	CN54	120.0	88.5
		SN15	SN54		
258-283	10.157-11.142	CC12	CC43	75.0	55.3
		SC12	CC43		
258-283	10.157-11.142	CN16	CN54	120.0	88.5
		SN15	SN54		
281-306	11.063-12.047	CC12	CC43	75.0	55.3
		SC12	CC43		
281-306	11.063-12.047	CN16	CN54	120.0	88.5
		SN15	SN54		

Coromant EH coupling

Size		
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
		TC11	TC2(1.5)		
46-56	1.811-2.205	CC12	CC43	9.0	6.6
		TC16	TC3(2.5)		
		SC09	SC3(2.5)		
55-70	2.165-2.756	CC12	CC43	16.0	11.8
		TC16	TC3(2.5)		
		SC09	SC3(2.5)		
69-84	2.717-3.307	CC12	CC43	16.0	11.8
		TC16	TC3(2.5)		
		SC12	CC43		
69-84	2.717-3.307	CN12	CN43	75.0	55.0
		SN12	SN43		
83-101	3.268-3.976	CC12	CC43	16.0	11.8
		TC16	TC3(2.5)		
		TC22	TC43		
		SC12	CC43		
83-101	3.268-3.976	CN12	CN43	75.0	55.0
		SN12	SN43		
99-125	3.898-4.921	CC12	CC43	38.0	28.0
		RC16	RC16		
		TC16	TC3(2.5)		
		TC22	TC43		
		SC12	CC43		
99-125	3.898-4.921	CN12	CN43	120.0	88.5
		CN16	CN54		
		SN12	SN43		
		SN15	SN54		
123-150	4.843-5.906	CC12	CC43	38.0	28.0
		RC16	RC16		
		TC16	TC3(2.5)		
		TC22	TC43		
		SC12	CC43		
123-150	4.843-5.906	CN12	CN43	120.0	88.5
		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)		
Cartridge screw		
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
Locking screw		
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		
Size		
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)		
Screw for boring bar:		
12 (.472)	10	7
16 (.630)	10	7
20 (.787)	18	13
Locking screw:		
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 a 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 matrix below 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, surface finish can be retained at higher feeds. However, the wiper inserts exert more radial pressure, increasing the risk of 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