

Milling tools

2025



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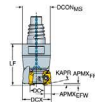
Your guide to getting the most from our digital catalogue

Our catalogue is more than just a product list; it's a gateway to smarter choices and faster decisions. Inside, you'll find a selection of our top-performing tools and concepts, handpicked to support your machining goals. And when you're ready to explore further, direct links connect you to our full online assortment for deeper insights and added inspiration.

How to navigate a catalogue page

Each catalogue page is designed to give you the information you need — fast, clear and right at your fingertips. At the top, you'll find the product name, its main application, and a visual overview of key dimensions and features. The detailed table presents versions of the tool, including ordering codes, size specifications and other essential measurements.

High feed milling tools | CoroMill® MH20



CoroMill® MH20, cutter for high feed milling

EH coupling - Internal coolant supply

Common data values

KAPR [deg] 15.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{new} [mm]	APMX _{rev} [mm]	RMPX [deg]	AZ [mm]	CNSC	DCON _{in}	LF [mm]	TQ [Nm]	RPMX [1/min]	
MH20-R016EH16-06L	7.57	16.00	4.2	0.8	9.50	0.7	1	2	15.50	27.00	0.9	26100
MH20-R020EH20-06L	11.57	20.00	4.2	0.8	5.80	0.7	1	2	19.30	30.00	0.9	23400
MH20-R020EH20-06M	11.57	20.00	4.2	0.8	5.80	0.7	1	3	19.30	30.00	0.9	23400
MH20-R020EH20-08L	9.35	20.00	5.3	1.2	5.80	0.9	1	2	19.30	30.00	1.4	23400
MH20-R025EH25-04H	16.57	25.00	4.2	0.8	3.70	0.7	1	4	24.20	35.00	0.9	20900
MH20-R025EH25-06M	16.57	25.00	4.2	0.8	3.70	0.7	1	3	24.20	35.00	0.9	20900
MH20-R025EH25-08L	14.35	25.00	5.3	1.2	5.70	0.9	1	2	24.20	35.00	2.0	20900
MH20-R025EH25-08M	14.35	25.00	5.3	1.2	5.70	0.9	1	3	24.20	35.00	2.0	20900
MH20-R032EH25-08L	21.35	32.00	5.3	1.2	3.60	0.9	1	3	24.20	35.00	2.0	18500
MH20-R032EH25-08M	21.35	32.00	5.3	1.2	3.60	0.9	1	4	24.20	35.00	2.0	18500

R = Right hand, L = Left hand

Common data values

KAPR [deg] 15.0

Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{new} [inch]	APMX _{rev} [inch]	RMPX [deg]	AZ [inch]	CNSC	DCON _{in}	LF [inch]	TQ [ft]	RPMX [1/min]	
MH20-AR016EH16-06L	0.293	0.625	0.209	0.031	10.10	0.035	1	2	0.610	1.063	0.7	26200
MH20-AR019EH20-06L	0.418	0.750	0.165	0.031	6.50	0.028	1	2	0.728	1.181	0.7	23900
MH20-AR019EH20-06M	0.418	0.750	0.165	0.031	6.50	0.028	1	3	0.728	1.181	0.7	23900
MH20-AR025EH25-04H	0.668	1.000	0.165	0.031	3.60	0.028	1	4	0.965	1.378	0.7	20700
MH20-AR025EH25-06M	0.668	1.000	0.165	0.031	3.60	0.028	1	3	0.965	1.378	0.7	20700
MH20-AR025EH25-08L	0.581	1.000	0.209	0.047	5.50	0.035	1	2	0.965	1.378	1.5	20700
MH20-AR025EH25-08M	0.581	1.000	0.209	0.047	5.50	0.035	1	3	0.965	1.378	1.5	20700
MH20-AR032EH25-08L	0.831	1.250	0.209	0.047	3.60	0.035	1	3	0.965	1.378	1.5	18500
MH20-AR032EH25-08M	0.831	1.250	0.209	0.047	3.60	0.035	1	4	0.965	1.378	1.5	18500

R = Right hand, L = Left hand

180

More insights behind every ordering code

Click on any ordering code to open up a world of knowledge. You'll be taken straight to our website where you can explore product information, check availability and find even more tooling inspiration.

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Q Search

My pageCart

... > Tools > Milling cutters > Face milling cutters > Face milling cutters - indexable

Search results for:
MH20-R025EH25-06H (1)

Face milling cutters - indexable

Product

KAPR

DC

CICT_2

DCX

Compare



MH20-R025EH25-06H
CoroMill® MH20, cutter for high feed milling
Net price: 2 887.50 SEK Available

15 °

16.57 mm

4

25 mm



You've viewed 1 of 1 products

Dive deeper into the details

Once you've landed on a product details page on our website, you'll find everything you need to make the right choice, from technical specifications and matching inserts to 2D and 3D models ready for download. You can even check spare parts, calculate cutting data, and start building your tool assembly — all in one place.

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... > Milling cutters > Face milling cutters > Face milling cutters - indexable > MH20-R025EH25-06H



MH20-R025EH25-06H

CoroMill® MH20, cutter for high feed milling

Save to listCompare product

Net price: 2 887.50 SEK

List price: 4 376.00 SEK

Product group: 450

Available

Expected shipdate: 2025-10-06

10 products in stock

Package quantity: 1

ISO: MH20-R025EH25-06H

Material id: 8029430

EAN: 7323225633813

ANSI: MH20-R025EH25-06H

Show 3D model

1

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Tool item

Matching inserts (15)

Matching products - machine direction (51)

Spare parts (3)

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Applications

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Basic 3D model (3TF)

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2D drawing (DWG)

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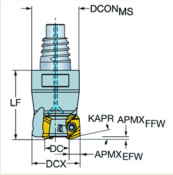
GTC Package (ZIP)

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Basic tool data (ZIP)

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Technical illustrations



Product data

MetricInch

Tool cutting edge angle (KAPR)	15 °
Cutting diameter (DC)	16.57 mm
Maximum cutting diameter (DCX)	25 mm
Cutting item count (CICT_2)	4
Clamping type code (MTP)	clamp with screw through hole
Part 2 of cutting item interface identifiers (CUTINT_MASTER_2)	CoroMill MH20 -0603 (MH20-060320)
Depth of cut maximum (APMX_FFW)	4.2 mm
Depth of cut maximum (APMX_FFW)	0.8 mm
Maximum ramping angle (RMPX)	3.7 °
Maximum plunge depth (AZ)	0.7 mm
Cutting pitch differential (CPDF)	Yes
Peripheral effective cutting edge count (ZEFP)	4
Connection - machine side (ADINTMS)	Coromant EH -metric - E25
Hand (HAND)	Right
Coolant entry style (ENSC)	axial concentric entry
Connection diameter machine side (DCONMS)	24.2 mm
Functional length (LF)	35 mm
Radial rake angle (GAMP)	-16.6374 °
Axial rake angle (GAMP)	4.6107 °
Torque (TQ)	0.9 Nm

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Our specialists and trusted distributors are ready to guide you in selecting the right tools and solutions to optimize your machining processes. Choose the support channel that works best for you — whether it's phone, chat, or email, support is just a step away.

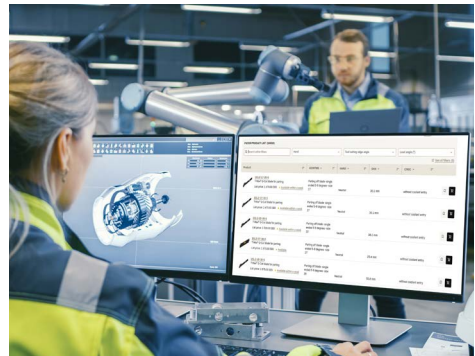
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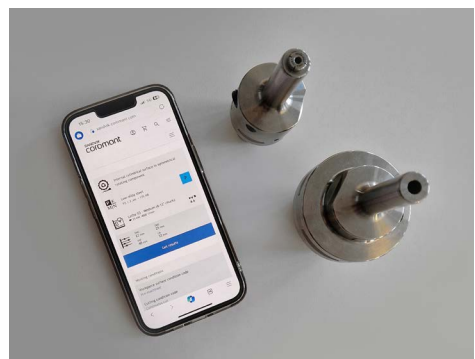
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Quickly find the optimal tools and cutting data for your machining process using CoroPlus® Tool Guide. By leveraging our expertise, this smart solution helps you reduce setup time and enhance precision, seamlessly integrating into your workflow to boost efficiency and reliability.

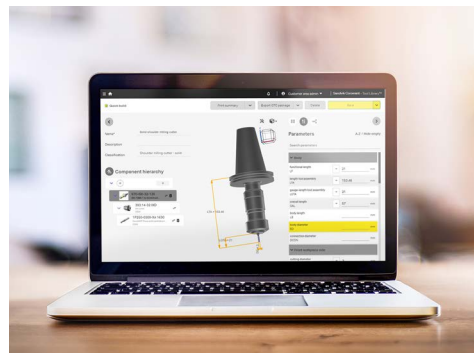
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Selection guide

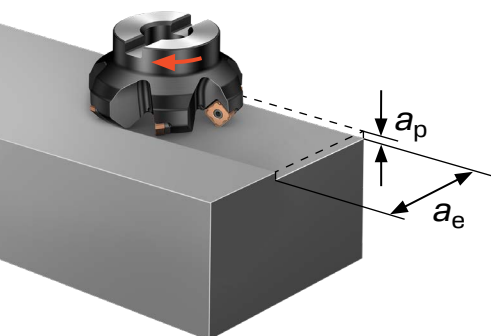
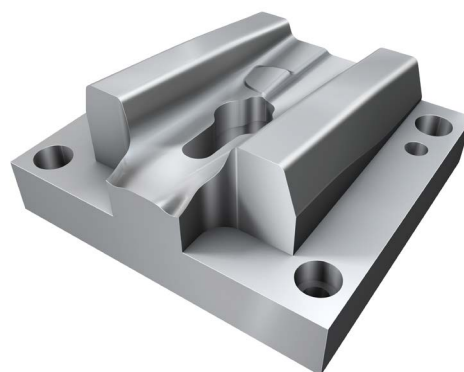
With our cutting tools for indexable milling, you get high productivity and long tool life, helping you deliver plenty of components out of the workshop door. This selection guide is designed to help you quickly identify the most suitable tools and inserts for your specific applications, ensuring optimal performance and efficiency.

The aim is to have a strategy suited to the component, machine and number of parts to be machined, giving a maximum metal removal rate, $Q \text{ cm}^3/\text{min}$ (in^3/min) that can be balanced with an economic tool life.

Analyze component

Analyze the component's shape and features.

- Identify the workpiece material
- Define if the feature is a flat surface, deep cavity, thin wall, slot, etc.
- Evaluate the quality demands on tolerance, surface finish etc.
- Consider the batch size

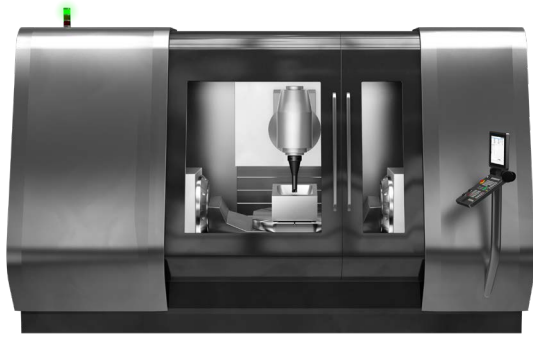


Cutting depth (a_p) and cutting width (a_e)

Assess the cutting depth, cutting width and corner radius requirements.

Axial depth of cut (a_p) is what the tool removes in metal on the face from the workpiece. This is the distance the tool is set below the unmachined surface.

Radial cutting width (a_e) is the width of the component engaged in cut by the diameter of the cutter. It is distance across the surface being machined or, if the tool diameter is smaller, that covered by the tool.



Machine considerations

Ensure the tool you choose is compatible with your machine's capabilities.

- Check machine stability, power and torque, especially for larger components
- Verify that the component can be clamped securely
- The spindle size defines the maximum milling cutter diameter and depth of cut that the machine can handle
- Check what cutting fluid and coolant supply is available
- Always use the shortest possible tool overhang to enhance stability

Choose milling concept

- **Face milling concepts** are ideal for creating flat surfaces quickly and efficiently
- **Shoulder milling concepts** are used for precise 90° walls and flat floors
- **High-feed milling concepts** are great for productivity, using shallow cuts and high feed rates
- **Profile milling concepts** are best for complex shapes and contours
- **Groove milling concepts** are used for cutting slots or keyways with precision

Some of our milling concepts are more versatile and can perform multiple operations, while some concepts are optimized for a specific task, which often improves productivity. The best choice balances flexibility, precision and efficiency based on your machining goals.



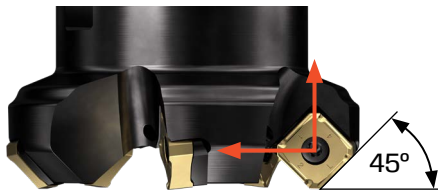
Approach (entering/lead) angle

Select the correct approach angle. This is crucial as it impacts chip thickness, cutting forces, and tool life. Decreasing the approach angle reduces the chip thickness (h_{ex}) for a given feed rate (f_z), resulting in a chip-thinning effect that distributes the material over a larger portion of the cutting edge. However, a small-approach concept also generates high axial forces, which increase the pressure on the workpiece.



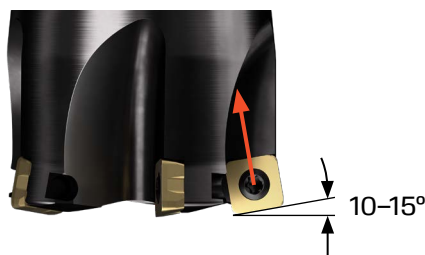
90° entering angle

- Mostly radial cutting forces
- Short tool assemblies
- Thin-walled components
- Unstable fixtures
- Where 90° form is required



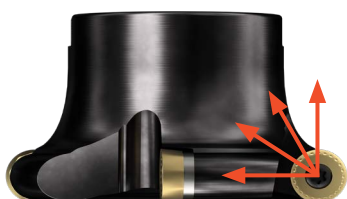
45° entering angle

- Balanced radial and axial cutting forces
- General purpose first choice
- Reduces vibration on long overhangs
- Chip-thinning effect allows increased productivity



10–15° entering angle

- Radial and axial cutting forces will change depending on depth of cut
- Strongest cutting edge with multiple indexes
- General purpose cutter
- Increased chip-thinning effect for heat resistant alloys

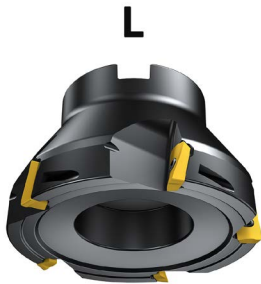


Round insert cutters

- Mostly axial cutting forces
- Long tool assemblies
- Less tool stability
- Stable workpiece setups
- Generates thin chips, allowing for very high feed rates at small depths of cuts

Cutter pitch

Select an appropriate cutter pitch to optimize performance while considering machine stability and capacity. Power requirement is often a factor limiting the possible number of cutting edges that are engaged in cut.



Coarse pitch, -L

Cutter with low number of edges.

- First choice for difficult machining conditions
- Limited machine power and stability
- Long tool assemblies
- Full slotting operations
- Long-chipping materials ISO N (large chip pocket)



Close pitch, -M

Cutter with medium number of edges.

- First choice for average machining conditions
- Good productivity
- Good chip space for roughing in ISO P, M and S materials



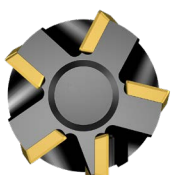
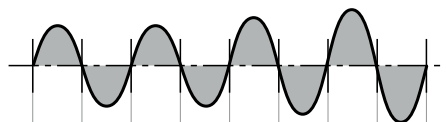
Extra-close pitch, -H

Cutter with maximum number of inserts.

- First choice for stable machining conditions
- Ideal for short-chipping or heat-resistant materials
- High productivity with low a_e , more than one tooth is always engaged in cut



Even pitch



Differential pitch



Even or differential-pitched cutter

Differential-pitched cutters have unequal spacing of the teeth around the cutter. These cutters are advantageous because they break up harmonic vibrations, which in turn increases stability and reduces the risk of vibration. This is especially useful when milling with large width of cut and long overhangs.

Note: An X added to the code describes a cutter version with a slightly closer pitch than its basic design.

Insert geometry

Select the proper geometry based on material type, cutting conditions and component feature. The geometry is an important decision because it affects many parameters from stability to surface finish.



Light (-L)

Best suited for light-cutting operations.

- Sharp positive cutting edge
- Low cutting forces and minimized tool deflection
- Generates a good surface finish
- Low feed rates



Medium (-M)

First choice for general-purpose machining and mixed production.



Heavy (-H)

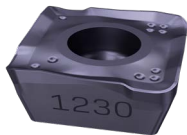
Ideal for unstable conditions such as interrupted cuts and abrasive materials.

- Strong, reinforced cutting edge
- High edge security
- Requires good stability
- High feed rates

Insert grade

Choose a grade and coating suitable for the operation and the workpiece material. Keep in mind that PVD-coated grades usually have sharper edge lines than CVD-coated grades, creating less cutting force and torque.

For steel



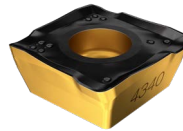
GC1230

Nano multi-layer PVD-coated grade produced with Zertivo® technology. Designed for light roughing to finishing operations, both for wet and dry machining. Good choice for complex tool paths and sticky materials.



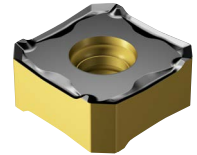
GC4330

Medium hard CVD-coated grade (medium to thick coating) designed for medium to rough milling applications in average cutting conditions for wet and dry machining.



GC4340

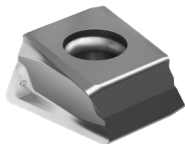
Tough CVD-coated grade (medium thick coating) suited for tough and demanding medium to rough milling applications for wet and dry machining.



GC4220

Hard CVD-coated (thick coated) grade suitable for high cutting speeds in medium to rough milling application with good stability for dry machining.

For stainless steel



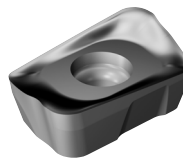
GC1040

Tough, thin-coated PVD grade for finishing to roughing in unstable to stable wet or dry conditions. Good choice for complex tool paths and sticky materials.



GC2040

Tough, medium-thick coated CVD grade designed for tough and demanding, medium to rough milling applications with poor stability in dry conditions. High feed rates, large diameters and radial engagements.



S30T

Medium-hard, thin-coated PVD grade to be used as a complement to GC1040 when stability is good and for demands on high cutting speed in wet and dry conditions.

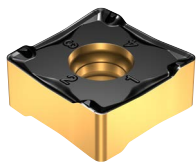


GC2030

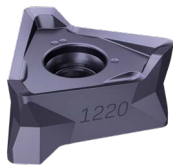
Medium-hard, thin coated PVD grade for light roughing to finishing. Complement to GC1040 in good stability, for high cutting speeds in dry conditions.

Insert grade

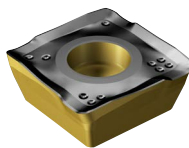
For cast iron



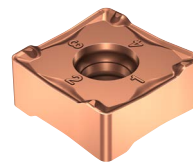
GC3330
Hard CVD-coated grade with thick coating, designed for medium to rough milling of all cast iron in average to stable conditions, both dry and wet. First choice in grey cast iron and mixed ISO K applications.



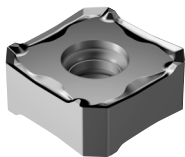
GC1220
Nano multi-layer PVD-coated grade produced with Zertivo® technology. Designed for light roughing to finishing operations, both for wet and dry machining. First choice for nodular cast iron and/or small diameter cutters.



GC3220
Hard CVD-coated grade with very thick coating, designed for high cutting speeds in medium to rough grey cast milling applications with good stability in dry conditions.



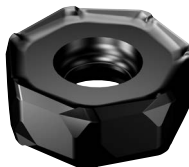
GC1020
Hard PVD-coated grade with thin coating for light rough to finishing of nodular cast iron in dry and wet conditions, and grey cast iron in wet and average to stable conditions.



GC3040
Medium-hard CVD grade with thick coating for tough and demanding medium to rough milling applications of grey cast iron in dry conditions.

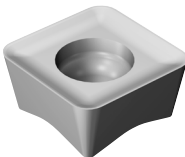


K20W
Hard CVD-coated grade with thin coating for finishing to light rough milling of all cast iron in stable and wet conditions. Ideal for large diameter cutters.

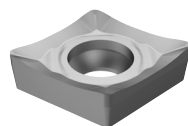


K20D
Hard CVD-coated grade with very thick coating designed for high cutting speed in medium to rough grey cast iron milling applications with good stability in dry conditions.

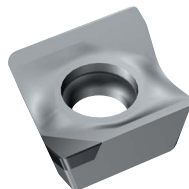
For non-ferrous materials



H13A
Hard uncoated grade for roughing to semi-finishing with sharp edges in average to stable conditions. Excellent surface finish in wet and dry machining.



H10
Very hard uncoated grade for light roughing to finishing with sharp cutting edges in stable conditions with high demands on the quality of the surface finish for wet and dry machining.



CD10
Polycrystalline diamond-tipped grade (PCD) with sharp edges for light roughing to finishing in stable conditions for wet or dry machining with a high demand on the quality of the surface finish and process stability. Good choice for abrasive materials.

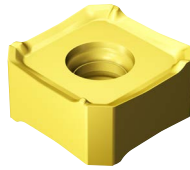
Insert grade

For titanium and HRSA



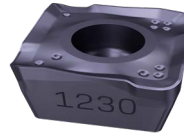
S30T

Medium-hard PVD-coated grade with thin coating, for finishing to light roughing applications in rather stable conditions. Excellent edge line durability and surface finish. Can be used in both wet and dry conditions.



S40T

A very tough, medium-thick-coated CVD grade for roughing in toughness-demanding applications. Can be used in both wet and dry conditions.



GC1230

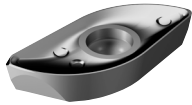
Nano multi-layer PVD-coated grade produced with Zertivo® technology. To be used as a complement to S30T for long time in cut. Can be used in both wet and dry conditions.



GC1010

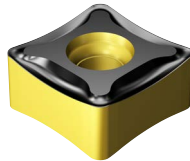
A very hard and thin-coated PVD grade for finishing in very stable, wet or dry conditions.

For hardened steel



GC1010

Hard PVD grade with a thin coating for light roughing to finishing of hardened steel with 36 HRC and higher and should be used in stable conditions for both wet and dry machining.

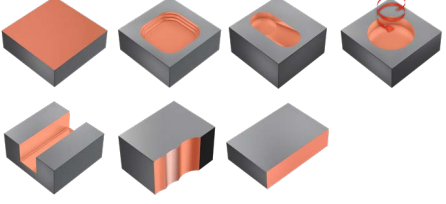
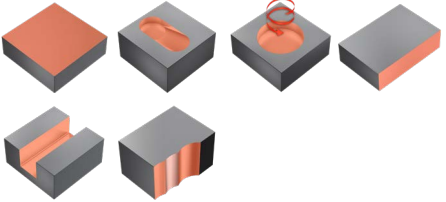


GC4220

Hard CVD grade with a thick coating for light roughing to finishing at low feeds, moderate speeds and large radial engagements in the lower ISO H hardness range for both wet and dry machining.



Shoulder milling

Tool	Material	Main applications	Secondary applications
CoroMill® MS20 	P M S H		
CoroMill® MS40 	P M K S		
CoroMill® MS60 	P M K S		
CoroMill® 390 	P M K N S H		
CoroMill® 490 	P M K N S H		



Read more about CoroMill® MS20:
sandvik.coromant.com/coromillms20



CoroMill® MS20

Shoulder milling redefined

CoroMill® MS20 boasts a robust cutter body and a dependable interface, carefully crafted using the latest production technologies with the demands of our customers in mind.

Application

- True 90 degrees repeated shoulder milling, face milling, pocket milling, corner machining, ramping, helical ramping, full slotting, and plunge milling
- For roughing and finishing operations



P M S H
ISO application areas

Features and benefits

- Secure operations thanks to the high levels of repeatability and predictability, making unmanned machining possible
- The robust and reliable interface enables secure and trouble-free machining
- Excellent dimensional control and top-level surface finish, due to the high accuracy of the concept
- Low overall tool consumption means increased cost-efficiency and a more sustainable business machining conditions

Cutter body built for confidence

Engineered for secure and predictable shoulder milling, this solution ensures stable performance even in unmanned operations.

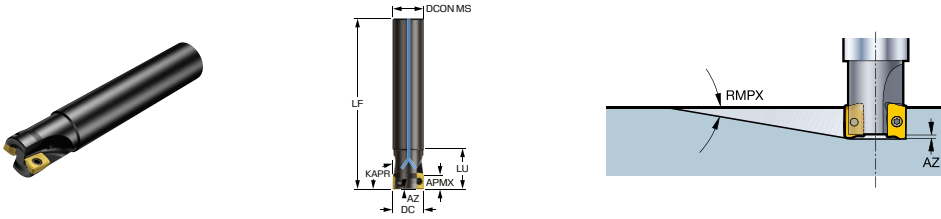
The robust interface, open pocket design and optimized chip control reduce insert stress and vibration, delivering longer tool life, excellent surface finish and consistent dimensional accuracy.





CoroMill® MS20, cutter for square shoulder milling

Cylindrical shank - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
MS20-R016A16-10L	16.00	9.0	7.70	1	2		16.00	15.4		100.00	25.00	1.6	42900
MS20-R016A16L-10L	16.00	9.0	7.70	1	2		16.00	15.4		145.00	25.00	1.6	22300
MS20-R018A16L-10L	18.00	9.0	6.20	1	2		16.00	17.4	25.0	145.00		1.6	24800
MS20-R020A20-10L	20.00	9.0	4.90	1	2		20.00	19.2		110.00	25.00	1.6	35800
MS20-R020A20-10M	20.00	9.0	4.90	1		3	20.00	19.2		110.00	25.00	1.6	35800
MS20-R020A20L-10L	20.00	9.0	4.90	1	2		20.00	19.2		170.00	40.00	1.6	18600
MS20-R022A20L-10L	22.00	9.0	4.20	1	2		20.00	21.1	30.0	170.00		1.6	20200
MS20-R025A25-10H	25.00	9.0	3.30	1		4	25.00	23.9		120.00	32.00	1.6	30500
MS20-R025A25-10L	25.00	9.0	3.30	1	2		25.00	23.9		120.00	32.00	1.6	30500
MS20-R025A25-10M	25.00	9.0	3.30	1		3	25.00	23.9		120.00	32.00	1.6	30500
MS20-R025A25L-10L	25.00	9.0	3.30	1	2		25.00	23.9		210.00	50.00	1.6	14300
MS20-R030A25L-10L	30.00	9.0	2.50	1	2		25.00	28.7	30.0	210.00		1.6	15300
MS20-R032A32-10H	32.00	9.0	2.20	1		5	32.00	30.7		130.00	40.00	1.6	25900
MS20-R032A32-10L	32.00	9.0	2.20	1	2		32.00	30.7		130.00	40.00	1.6	25900
MS20-R032A32-10M	32.00	9.0	2.20	1		3	32.00	30.7		130.00	40.00	1.6	25900
MS20-R032A32L-10L	32.00	9.0	2.20	1	2		32.00	30.7		250.00	65.00	1.6	11800
MS20-R040A32-10H	40.00	9.0	1.60	1		6	32.00	38.5	30.0	170.00		1.6	22600
MS20-R040A32-10L	40.00	9.0	1.60	1	2		32.00	38.5	30.0	170.00		1.6	22600
MS20-R040A32-10M	40.00	9.0	1.60	1		4	32.00	38.5	30.0	170.00		1.6	22600
MS20-R040A32L-10L	40.00	9.0	1.60	1	2		32.00	38.5	33.0	250.00		1.6	12800

R = Right hand, L = Left hand

Common data values

AZ [inch]	KAPR [deg]
0.039	90.0

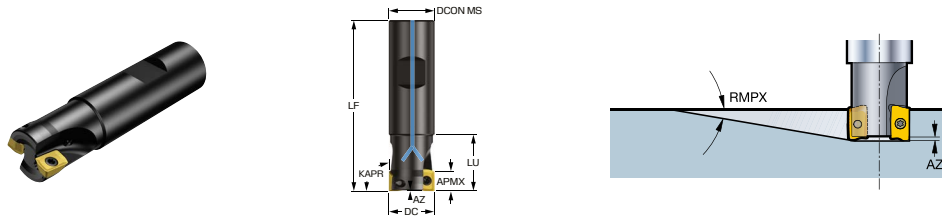
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	CNSC			DCON _{MS} [inch]	BD [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
MS20-AR016O16L-10L	0.625	0.354	7.80	1	2		0.625	0.602	5.625	1.000	1.2	23100
MS20-AR019O19L-10L	0.750	0.354	5.40	1	2		0.750	0.724	6.500	1.250	1.2	19100
MS20-AR025O25L-10L	1.000	0.354	3.20	1	2		1.000	0.957	8.000	2.000	1.2	16100
MS20-AR025O25L-10M	1.000	0.354	3.20	1		3	1.000	0.957	8.000	2.000	1.2	16100

R = Right hand, L = Left hand

CoroMill® MS20, cutter for square shoulder milling

Weldon shank - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
MS20-R016B16-10L	16.00	9.0	7.70	1	2		16.00	15.4		76.00		1.6	42900
MS20-R020B20-10L	20.00	9.0	4.90	1	2		20.00	19.2		80.00	25.00	1.6	35800
MS20-R020B20-10M	20.00	9.0	4.90	1		3	20.00	19.2		80.00	25.00	1.6	35800
MS20-R025B25-10H	25.00	9.0	3.30	1		4	25.00	23.9		92.00		1.6	30500
MS20-R025B25-10L	25.00	9.0	3.30	1	2		25.00	23.9		92.00	32.00	1.6	30500
MS20-R025B25-10M	25.00	9.0	3.30	1		3	25.00	23.9		92.00	32.00	1.6	30500
MS20-R032B32-10H	32.00	9.0	2.20	1		5	32.00	30.7		105.00	40.00	1.6	25900
MS20-R032B32-10M	32.00	9.0	2.20	1		3	32.00	30.7		105.00	40.00	1.6	25900
MS20-R040B32-10H	40.00	9.0	1.60	1		6	32.00	38.5	30.0	105.00		1.6	22600
MS20-R040B32-10M	40.00	9.0	1.60	1		4	32.00	38.5	30.0	105.00		1.6	22600

R = Right hand. L = Left hand

Common data values

AZ [inch]	KAPR [deg]
0.039	90.0

Imperial (inch)

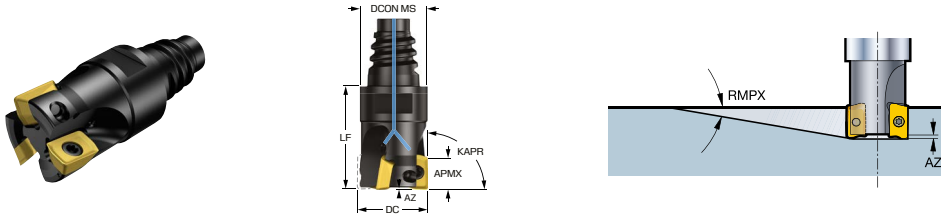
Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
MS20-AR016M19-10L	0.625	0.354	7.80	1	2		0.750	0.602		3.280	1.000	1.2	43200
MS20-AR019M19-10L	0.750	0.354	5.40	1	2		0.750	0.724		3.280	1.000	1.2	37200
MS20-AR019M19-10M	0.750	0.354	5.40	1		3	0.750	0.724		3.280	1.000	1.2	37200
MS20-AR025M19-10H	1.000	0.354	3.20	1		4	0.750	0.957	1.000	3.500		1.2	30200
MS20-AR025M19-10L	1.000	0.354	3.20	1	2		0.750	0.957	1.000	3.500		1.2	30200
MS20-AR025M19-10M	1.000	0.354	3.20	1		3	0.750	0.957	1.000	3.500		1.2	30200
MS20-AR025M25-10H	1.000	0.354	3.20	1		4	1.000	0.957		3.750	1.250	1.2	30200
MS20-AR025M25-10L	1.000	0.354	3.20	1	2		1.000	0.957		3.750	1.250	1.2	30200
MS20-AR025M25-10M	1.000	0.354	3.20	1		3	1.000	0.957		3.750	1.250	1.2	30200
MS20-AR032M32-10H	1.250	0.354	2.20	1		5	1.250	1.201		3.750	1.350	1.2	26000
MS20-AR032M32-10M	1.250	0.354	2.20	1		3	1.250	1.201		3.750	1.350	1.2	26000
MS20-AR038M32-10H	1.500	0.354	1.70	1		6	1.250	1.441	1.200	4.000		1.2	23200
MS20-AR038M32-10M	1.500	0.354	1.70	1		4	1.250	1.441	1.200	4.000		1.2	23200

R = Right hand. L = Left hand



CoroMill® MS20, cutter for square shoulder milling

Coromant EH - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
MS20-R016EH16-10L	16.00	9.0	7.70	1	2		15.50	15.4	25.00	15.50	1.6	42900
MS20-R018EH16-10L	18.00	9.0	6.20	1	2		15.50	17.4	25.00		1.6	38900
MS20-R020EH20-10L	20.00	9.0	4.90	1	2		19.30	19.2	30.00	19.20	1.6	35800
MS20-R020EH20-10M	20.00	9.0	4.90	1		3	19.30	19.2	30.00	19.20	1.6	35800
MS20-R022EH20-10L	22.00	9.0	4.20	1	2		19.30	21.1	30.00		1.6	33400
MS20-R022EH20-10M	22.00	9.0	4.20	1		3	19.30	21.1	30.00		1.6	33400
MS20-R025EH25-10H	25.00	9.0	3.30	1		4	24.20	23.9	30.00	18.70	1.6	30500
MS20-R025EH25-10L	25.00	9.0	3.30	1	2		24.20	23.9	30.00	18.70	1.6	30500
MS20-R025EH25-10M	25.00	9.0	3.30	1		3	24.20	23.9	30.00	18.70	1.6	30500
MS20-R028EH25-10M	28.00	9.0	2.80	1		3	24.20	26.7	30.00		1.6	28300
MS20-R032EH25-10H	32.00	9.0	2.20	1		5	24.20	30.7	30.00		1.6	25900
MS20-R032EH25-10L	32.00	9.0	2.20	1	2		24.20	30.7	30.00		1.6	25900
MS20-R032EH25-10M	32.00	9.0	2.20	1		3	24.20	30.7	30.00		1.6	25900

R = Right hand, L = Left hand

Common data values

AZ [inch]	KAPR [deg]
0.039	90.0

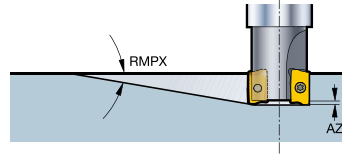
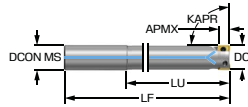
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	CNSC			DCON _{MS} [inch]	BD [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
MS20-AR016EH16-10L	0.625	0.354	7.80	1	2		0.610	0.602	1.000	0.625	1.2	43200
MS20-AR019EH20-10L	0.750	0.354	5.40	1	2		0.728	0.724	1.250	0.824	1.2	37200
MS20-AR019EH20-10M	0.750	0.354	5.40	1		3	0.728	0.724	1.250	0.824	1.2	37200
MS20-AR025EH25-10H	1.000	0.354	3.20	1		4	0.965	0.957	1.250	0.800	1.2	30200
MS20-AR025EH25-10M	1.000	0.354	3.20	1		3	0.965	0.957	1.250	0.800	1.2	30200
MS20-AR032EH25-10H	1.250	0.354	2.20	1		5	0.965	1.201	1.250		1.2	26000
MS20-AR032EH25-10M	1.250	0.354	2.20	1		3	0.965	1.201	1.250		1.2	26000

R = Right hand, L = Left hand

CoroMill® MS20, Silent Tools™ cutter for square shoulder milling

Cylindrical shank - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

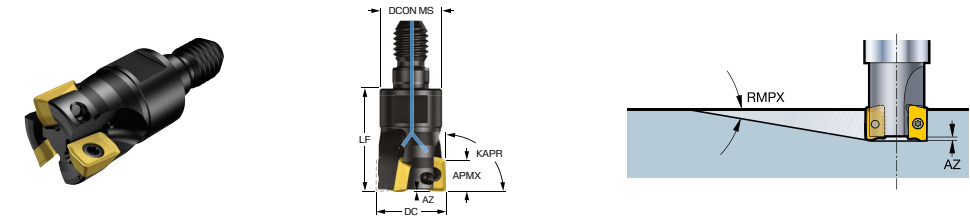
Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
MS20D-R020A20-10L	20.00	9.0	4.90	1	2		20.00	171.00	120.00	1.6	20000
MS20D-R020A20-10M	20.00	9.0	4.90	1		3	20.00	171.00	120.00	1.6	20000
MS20D-R025A25-10H	25.00	9.0	3.30	1		4	25.00	208.00	150.00	1.6	20000
MS20D-R025A25-10L	25.00	9.0	3.30	1	2		25.00	208.00	150.00	1.6	20000
MS20D-R025A25-10M	25.00	9.0	3.30	1		3	25.00	208.00	150.00	1.6	20000
MS20D-R032A32-10H	32.00	9.0	2.20	1		5	32.00	254.00	192.00	1.6	15000
MS20D-R032A32-10L	32.00	9.0	2.20	1	5		32.00	254.00	192.00	1.6	15000
MS20D-R032A32-10M	32.00	9.0	2.20	1		3	32.00	254.00	192.00	1.6	15000

R = Right hand, L = Left hand



CoroMill® MS20, cutter for square shoulder milling

MSSC - Internal coolant supply



Common data values

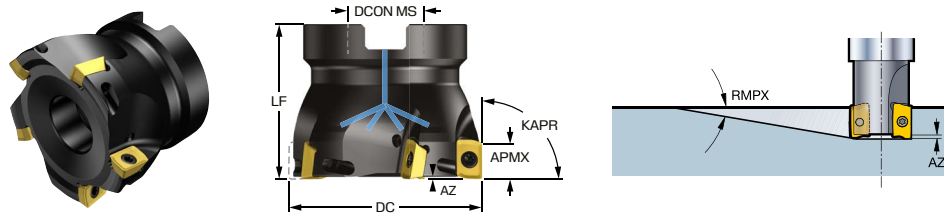
AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
MS20-R016T08-10L	16.00	9.0	7.70	1	2		12.80	15.4	25.00	1.6	12700
MS20-R020T10-10L	20.00	9.0	4.90	1	2		17.80	19.2	30.00	1.6	12700
MS20-R020T10-10M	20.00	9.0	4.90	1		3	17.80	19.2	30.00	1.6	12700
MS20-R025T12-10M	25.00	9.0	3.30	1		3	20.80	23.9	35.00	1.6	12700
MS20-R032T16-10M	32.00	9.0	2.20	1		3	28.80	30.7	40.00	1.6	12700

CoroMill® MS20, cutter for square shoulder milling

Arbor - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC		DCON _{MS} [mm]	DHUB [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
MS20-R040Q16-10H	40.00	9.0	1.60	1	6	16.00	34.00	38.5	35.0	35.00	1.6	22600	A
MS20-R040Q16-10M	40.00	9.0	1.60	1	4	16.00	34.00	38.5	35.0	35.00	1.6	22600	A
MS20-R044Q16-10M	44.00	9.0	1.40	1	4	16.00	34.00	42.6	35.0	35.00	1.6	21300	A
MS20-R050Q22-10H	50.00	9.0	1.20	1	7	22.00	42.00	48.5	40.0	40.00	1.6	19800	A
MS20-R050Q22-10M	50.00	9.0	1.20	1	5	22.00	42.00	48.5	40.0	40.00	1.6	19800	A
MS20-R054Q22-10M	54.00	9.0	1.10	1	5	22.00	42.00	52.5	40.0	40.00	1.6	18900	A
MS20-R063Q22-10H	63.00	9.0	0.90	1	8	22.00	42.00	61.4	40.0	40.00	1.6	17300	A
MS20-R063Q22-10M	63.00	9.0	0.90	1	6	22.00	42.00	61.4	40.0	40.00	1.6	17300	A
MS20-R066Q22-10M	66.00	9.0	0.80	1	6	22.00	42.00	64.4	40.0	40.00	1.6	16900	A
MS20-R080Q27-10H	80.00	9.0	0.70	1	10	27.00	51.00	78.3		45.00	1.6	15200	A
MS20-R080Q27-10M	80.00	9.0	0.70	1	7	27.00	51.00	78.3		45.00	1.6	15200	A
MS20-R084Q27-10M	84.00	9.0	0.60	1	7	27.00	51.00	82.3		45.00	1.6	14800	A

Common data values

AZ [inch]	KAPR [deg]
0.039	90.0

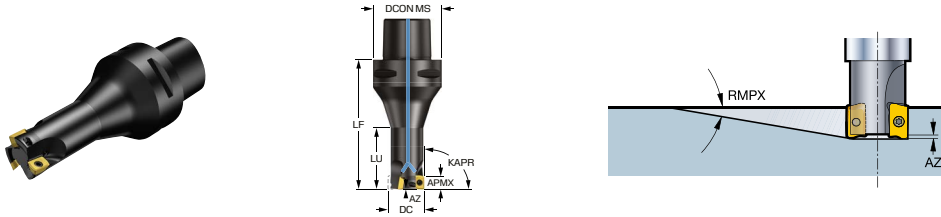
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	CNSC		DCON _{MS} [inch]	DHUB [inch]	BD [inch]	LB [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
MS20-AR038R19-10H	1.500	0.354	1.70	1	6	0.750	1.417	1.441	1.400	1.400	1.2	23200	A
MS20-AR038R19-10M	1.500	0.354	1.70	1	4	0.750	1.417	1.441	1.400	1.400	1.2	23200	A
MS20-AR051R19-10H	2.000	0.354	1.20	1	7	0.750	1.654	1.941	1.600	1.600	1.2	19600	A
MS20-AR051R19-10M	2.000	0.354	1.20	1	5	0.750	1.654	1.941	1.600	1.600	1.2	19600	A
MS20-AR063R19-10H	2.500	0.354	0.90	1	8	0.750	1.654	2.437	1.600	1.600	1.2	17300	A
MS20-AR063R19-10M	2.500	0.354	0.90	1	6	0.750	1.654	2.437	1.600	1.600	1.2	17300	A
MS20-AR076R25-10H	3.000	0.354	0.70	1	9	1.000	2.008	2.933	1.750	1.750	1.2	15600	A
MS20-AR076R25-10M	3.000	0.354	0.70	1	7	1.000	2.008	2.933	1.750	1.750	1.2	15600	A
MS20-AR080JR25.4-10H	3.150	0.354	0.70	1	10	1.000	2.008	3.083	1.969	1.969	1.2	15200	
MS20-AR080JR25.4-10L	3.150	0.354	0.70	1	5	1.000	2.008	3.083	1.969	1.969	1.2	15200	
MS20-AR080JR25.4-10M	3.150	0.354	0.70	1	7	1.000	2.008	3.083	1.969	1.969	1.2	15200	



CoroMill® MS20, cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

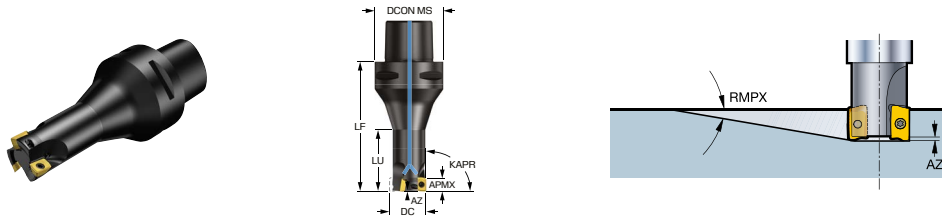
AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
MS20-R016C3-10L	16.00	9.0	7.70	3	2		32.00	15.4	50.00	25.00	1.6	42900
MS20-R016C4-10L	16.00	9.0	7.70	3	2		40.00	15.4	60.00	25.00	1.6	39000
MS20-R020C3-10M	20.00	9.0	4.90	3		3	32.00	19.2	50.00	25.00	1.6	35800
MS20-R020C4-10L	20.00	9.0	4.90	3	2		40.00	19.2	60.00	25.00	1.6	35800
MS20-R020C5-10M	20.00	9.0	4.90	3		3	50.00	19.2	95.00	40.00	1.6	28000
MS20-R020C6-10M	20.00	9.0	4.90	3		3	63.00	19.2	110.00	40.00	1.6	20000
MS20-R025C3-10M	25.00	9.0	3.30	3		3	32.00	23.9	50.00	32.00	1.6	30500
MS20-R025C4-10M	25.00	9.0	3.30	3		3	40.00	23.9	60.00	32.00	1.6	30500
MS20-R025C5-10M	25.00	9.0	3.30	3		3	50.00	23.9	95.00	45.00	1.6	28000
MS20-R025C6-10M	25.00	9.0	3.30	3		3	63.00	23.9	110.00	45.00	1.6	20000
MS20-R032C3-10L	32.00	9.0	2.20	3	2		32.00	30.7	55.00	37.00	1.6	25900
MS20-R032C3-10M	32.00	9.0	2.20	3		3	32.00	30.7	55.00	37.00	1.6	25900
MS20-R032C4-10M	32.00	9.0	2.20	3		3	40.00	30.7	70.00	40.00	1.6	25900
MS20-R032C5-10M	32.00	9.0	2.20	3		3	50.00	30.7	70.00	40.00	1.6	25900
MS20-R032C5-10M095	32.00	9.0	2.20	3		3	50.00	30.7	95.00	50.00	1.6	25900
MS20-R032C6-10M	32.00	9.0	2.20	3		3	63.00	30.7	80.00	40.00	1.6	20000
MS20-R032C6-10M110	32.00	9.0	2.20	3		3	63.00	30.7	110.00	50.00	1.6	20000
MS20-R036C3-10M	36.00	9.0	1.90	3		3	32.00	34.6	40.00		1.6	24100
MS20-R036C3-10M075	36.00	9.0	1.90	3		3	32.00	34.6	75.00		1.6	24100
MS20-R040C4-10H	40.00	9.0	1.60	3		6	40.00	38.5	75.00	52.00	1.6	22600
MS20-R040C4-10M	40.00	9.0	1.60	3		4	40.00	38.5	75.00	52.00	1.6	22600
MS20-R040C5-10H	40.00	9.0	1.60	3		6	50.00	38.5	75.00	50.00	1.6	22600
MS20-R040C5-10M	40.00	9.0	1.60	3		4	50.00	38.5	75.00	50.00	1.6	22600
MS20-R040C6-10M	40.00	9.0	1.60	3		4	63.00	38.5	80.00	50.00	1.6	20000
MS20-R044C4-10M	44.00	9.0	1.50	3		4	40.00	42.5	50.00		1.6	21300
MS20-R044C4-10M080	44.00	9.0	1.40	3		4	40.00	42.5	80.00		1.6	21300
MS20-R050C5-10M	50.00	9.0	1.20	3		5	50.00	48.5	70.00	47.00	1.6	19800
MS20-R050C6-10M	50.00	9.0	1.20	3		5	63.00	48.5	80.00	50.00	1.6	19800
MS20-R054C5-10M	54.00	9.0	1.10	3		5	50.00	52.5	50.00		1.6	18900
MS20-R054C5-10M080	54.00	9.0	1.10	3		5	50.00	52.5	80.00		1.6	18900
MS20-R063C5-10M	63.00	9.0	0.90	3		6	50.00	61.4	50.00		1.6	17300
MS20-R063C6-10M	63.00	9.0	0.90	3		6	63.00	61.4	80.00	54.00	1.6	17300
MS20-R066C6-10M	66.00	9.0	0.80	3		6	63.00	64.4	50.00		1.6	16900
MS20-R066C6-10M080	66.00	9.0	0.80	3		6	63.00	64.4	80.00		1.6	16900

CoroMill® MS20, cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



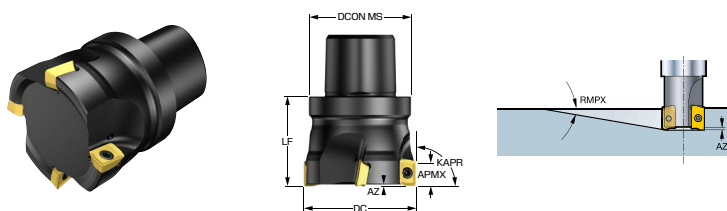
Common data values

AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
MS20-R080C6-10M	80.00	9.0	0.70	3		7	63.00	78.3	50.00		1.6	15200

Coromant Capto® - External coolant supply



Common data values

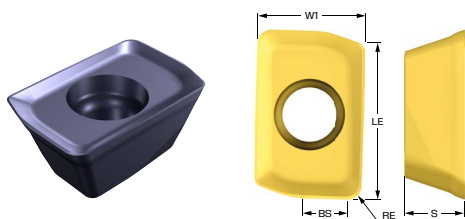
AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC		DCON _{MS} [mm]	BD [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
MS20-R044C4T-10M	44.00	9.0	1.40	3	4	40.00	48.5	35.00	1.6	21300
MS20-R054C5T-10M	54.00	9.0	1.10	3	5	50.00	52.5	35.00	1.6	18900



CoroMill® MS20, insert for milling

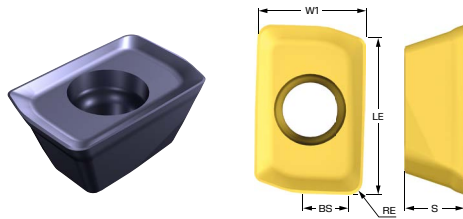


Metric (mm)

		P								S					H	K	M														
Ordering code		530	4340	4330	1230	1010	1040	2040	S30T	S40T	1230	1040	2040	530	1010	4340	4330	1010	S30T	530	4340	S40T	1230	1040	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]
Medium M20	MS20-10T302M-M20								●			○							○					●	○	10	3.60	1.2	0.2	6.7	9.1
	MS20-10T304M-M20				●						○												○			10	3.60	1.2	0.4	6.7	9.1
	MS20-10T308M-M20	○	○	○	●	○	○	○	●	○	○	○	○	○	●	○	○	○	○	○	○	○	○	●	○	10	3.60	1.2	0.8	6.7	9.1
	MS20-10T312M-M20								●			○							○					●	○	10	3.60	1.2	1.2	6.7	9.1
	MS20-10T316M-M20								●	○		○	○						○			○		●	○	10	3.60	1.2	1.6	6.7	9.1
	MS20-10T320M-M20								●			○							○					●	○	10	3.60	1.2	2.0	6.7	9.1
	MS20-10T324M-M20								●			○							○					●	○	10	3.60	1.0	2.4	6.7	9.1
	MS20-10T331M-M20								●	○		○	○						○			○		●	○	10	3.60	0.2	3.1	6.7	9.1

● = First choice ○ = Good choice

CoroMill® MS20, insert for milling



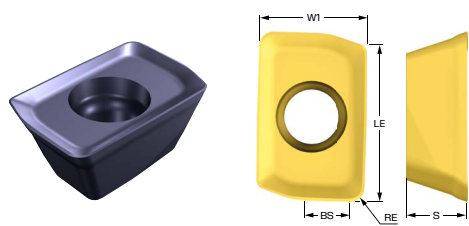
Metric (mm)

		P								S				H	K				M											
Ordering code		530	4340	4330	1230	1010	1040	2040	S30T	S40T	1230	1040	2040	530	1010	4340	4330	1010	S30T	4340	S40T	1230	1040	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]
Medium M30	MS20-10T302M-M30		○		●						○					○									10	3.60	1.2	0.2	6.7	9.1
	MS20-10T304M-M30	○	○	○	●						○					○	○								10	3.60	1.2	0.4	6.7	9.1
	MS20-10T308M-M30	○	○	○	●	○			●	○	○			○	●	○	○	○							10	3.60	1.2	0.8	6.7	9.1
	MS20-10T312M-M30		○		●	○			●	○	○				●	○	○								10	3.60	1.2	1.2	6.7	9.1
	MS20-10T316M-M30		○		●	○			●	○	○				●	○	○								10	3.60	1.2	1.6	6.7	9.1
	MS20-10T320M-M30		○		●	○	○		●	○	○	○			●	○	○	○	○	○	○	○	○	●	10	3.60	1.2	2.0	6.7	9.1
	MS20-10T324M-M30		○		●		○				○	○				○				○		○	●		10	3.60	1.0	2.4	6.7	9.1
	MS20-10T331M-M30		○		●	○	○	○	●	○	○	○	○		●	○	○	○	○	○	○	○	●	○	10	3.60	0.2	3.1	6.7	9.1

● = First choice ○ = Good choice



CoroMill® MS20, insert for milling

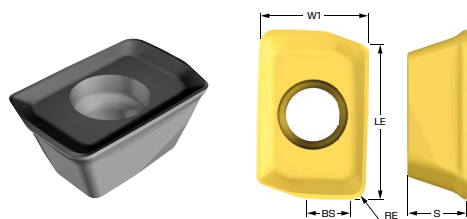


Metric (mm)

			P					K									
Ordering code			4340	4330	1230	4340	4330	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND	
Heavy	M50	MS20-10T308M-M50	●	○	○	○	○	10	3.60	1.2	0.8	6.7	9.1	9.0	90.00	Right	
		MS20-10T316M-M50	●	○	○	○	○	10	3.60	1.2	1.6	6.7	9.1	9.0	90.00	Right	

● = First choice ○ = Good choice

CoroMill® MS20, insert for milling



Metric (mm)

		S				M																	
		Ordering code				S30T	S40T	1040	2040	S30T	S40T	1040	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND	
Light	L50	MS20-10T304E-L50		●					○					10	3.60	1.2	0.4	6.7	9.1	9.0	90.00	Right	
		MS20-10T308E-L50		●	○	○	○	○	○	○	●	○		10	3.60	1.2	0.8	6.7	9.1	9.0	90.00	Right	
		MS20-10T316E-L50		●	○	○	○	○	○	○	○	●	○		10	3.60	1.2	1.6	6.7	9.1	9.0	90.00	Right
		MS20-10T324E-L50		●			○		○		○	●			10	3.60	1.0	2.4	6.7	9.1	9.0	90.00	Right
		MS20-10T331E-L50		●	○	○	○	○	○	○	○	●	○		10	3.60	0.2	3.1	6.7	9.1	9.0	90.00	Right

● = First choice ○ = Good choice



SANDVIK
coromant
CoroMill® MS40

Read more about CoroMill® MS40:
sandvik.coromant.com/coromillms40



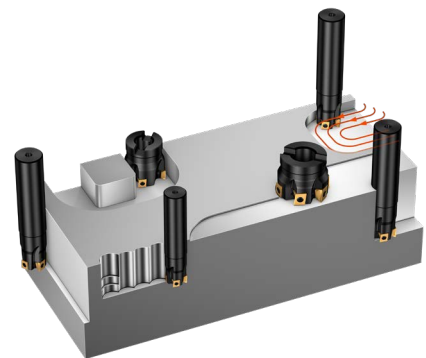
CoroMill® MS40

Tangential milling concept for true 90-degree side milling

CoroMill® MS40 is engineered with tangentially mounted inserts, maximizing the core strength of the tool body.

Application

- Optimized for true 90-degree shoulder milling and repeated passes in side milling
- Secondary application areas are face milling, full slot milling and plunge milling
- For roughing and finishing operations



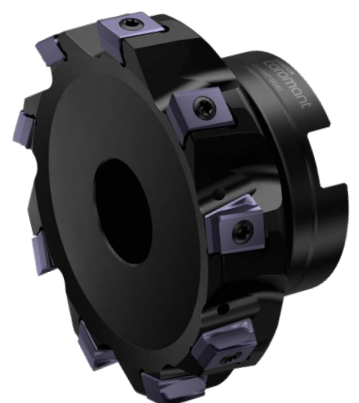
P M K S
ISO application areas

Features and benefits

- Achieves excellent wall quality, roughness and perpendicularity when using repeated passes thanks to precise edge line overlapping
- Tool body with high stiffness due to tangential interface design gives superior reliability and security
- Stable insert positions with wide support faces gives a long and predictable tool life
- Optimized chip pockets for excellent chip control while machining against a wall and during repeated shoulder milling

Side milling precision, pass after pass

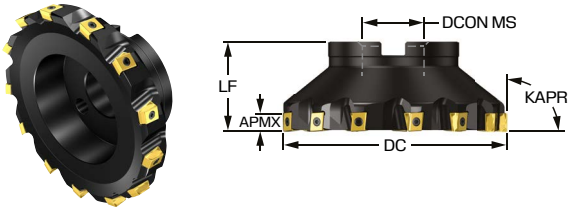
Designed for true 90-degree shoulder milling, this solution excels in side milling and repeated passes. With precise edge line overlap, it ensures outstanding wall quality, roughness and perpendicularity, cut after cut.





CoroMill® MS40, tangential square shoulder milling cutter

Arbor - Internal coolant supply



Common data values

KAPR
[deg]
90.0

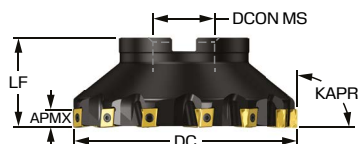
Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]	STDLET	DBC [mm]
MS40-R040Q16-09H	40.00	8.0	1	6		16.00	40.00	40.00	1.4	7400	A	
MS40-R040Q16-09M	40.00	8.0	1		4	16.00	40.00	40.00	1.4	7400	A	
MS40-R040Q16-13H	40.00	12.0	1	5		16.00	40.00	40.00	3.0	11700	A	
MS40-R040Q16-13M	40.00	12.0	1		4	16.00	40.00	40.00	3.0	11700	A	
MS40-R050Q22-09H	50.00	8.0	1	7		22.00	40.00	40.00	1.4	6600	A	
MS40-R050Q22-09M	50.00	8.0	1		5	22.00	40.00	40.00	1.4	6600	A	
MS40-R050Q22-13H	50.00	12.0	1	6		22.00	40.00	40.00	3.0	10500	A	
MS40-R050Q22-13M	50.00	12.0	1		5	22.00	40.00	40.00	3.0	10500	A	
MS40-R063Q22-09M	63.00	8.0	1		7	22.00	40.00	40.00	1.4	5900	A	
MS40-R063Q22-13H	63.00	12.0	1	8		22.00	40.00	40.00	3.0	9300	A	
MS40-R063Q22-13M	63.00	12.0	1		6	22.00	40.00	40.00	3.0	9300	A	
MS40-R080Q27-13H	80.00	12.0	1	10		27.00	50.00	50.00	3.0	8300	A	
MS40-R080Q27-13M	80.00	12.0	1		7	27.00	50.00	50.00	3.0	8300	A	
MS40-R100Q32-13H	100.00	12.0	1	13		32.00	50.00	50.00	3.0	7400	A	
MS40-R100Q32-13M	100.00	12.0	1		9	32.00	50.00	50.00	3.0	7400	A	
MS40-R125Q40-13H	125.00	12.0	1	16		40.00	63.00	63.00	3.0	6600	B	
MS40-R125Q40-13M	125.00	12.0	1		11	40.00	63.00	63.00	3.0	6600	B	
MS40-R160Q40-13M	160.00	12.0	0		13	40.00	63.00	63.00	3.0	5800	C	66.7

R = Right hand, L = Left hand

CoroMill® MS40, tangential square shoulder milling cutter

Arbor - Internal coolant supply



Common data values

KAPR

[deg]

90.0

Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC		DCON _{MS} [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]	STDLET	DBC [inch]
MS40-AR038R19-09M	1.500	0.315	1	4	0.750	1.575	1.575	1.0	7500	A	
MS40-AR051R19-09M	2.000	0.315	1	5	0.750	1.575	1.575	1.0	6500	A	
MS40-AR051R19-13M	2.000	0.472	1	5	0.750	1.575	1.575	2.2	10400	A	
MS40-AR063R25-13M	2.500	0.472	1	6	1.000	1.625	1.625	2.2	9300	A	
MS40-AR076R25-13M	3.000	0.472	1	7	1.000	1.969	1.969	2.2	8500	A	
MS40-AR102R38-13M	4.000	0.472	1	9	1.500	2.480	2.480	2.2	7300	A	
MS40-AR127R38-13M	5.000	0.472	1	11	1.500	2.480	2.480	2.2	6600	B	
MS40-AR152R38-13M	6.000	0.472	0	13	1.500	2.480	2.480	2.2	6000	C	2.63

R = Right hand, L = Left hand



CoroMill® MS40, tangential square shoulder milling cutter

Cylindrical shank - Internal coolant supply



Common data values

KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
MS40-R025A25-09H	25.00	8.0	1	4		25.00	120.00	38.00	1.4	9300
MS40-R025A25-09M	25.00	8.0	1		3	25.00	120.00	38.00	1.4	9300
MS40-R032A32-09H	32.00	8.0	1	5		32.00	130.00	39.00	1.4	8200
MS40-R032A32-09M	32.00	8.0	1		4	32.00	130.00	39.00	1.4	8200

R = Right hand, L = Left hand

Common data values

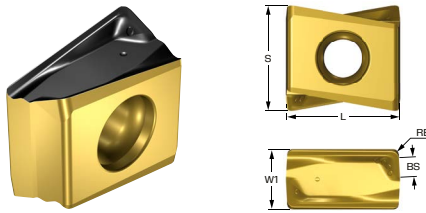
KAPR
[deg]
90.0

Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
MS40-AR025O25-09M	1.000	0.315	1	3		1.000	4.724	1.496	1.0	9300
MS40-AR032O32-09M	1.250	0.315	1	4		1.250	5.118	1.535	1.0	8300

R = Right hand, L = Left hand

CoroMill® MS40, insert for milling



Metric (mm)

			P				S			K			M										
			Ordering code																				
			4330	1230	1040	2040	1230	1040	2040	4330	1220	3330	1230	1040	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	APMX [mm]	KRINS [deg]	HAND
Light	L30	MS40-090404E-L30		●	○	○	○	○	○	●			○	●	○	09	8.53	1.5	0.4	4.5	8.0	90.00	Right
	L40	MS40-130608E-L40		●	○	○	○	○	○	●			○	●	○	13	12.07	2.2	0.8	6.8	12.0	90.00	Right
Medium	M40	MS40-090404E-M40		●	○		○	○					○	●		09	8.53	1.5	0.4	4.5	8.0	90.00	Right
		MS40-090404M-M40	○	●	○	○	○	○	○	○	●	○	●	○	09	8.53	1.5	0.4	4.5	8.0	90.00	Right	
	M50	MS40-090408E-M40	○	●	○	○	○	○	○	○	●	○	●	○	09	8.53	1.1	0.8	4.5	8.0	90.00	Right	
		MS40-130608E-M50		●	○		○	○					○	●		13	12.07	2.2	0.8	6.8	12.0	90.00	Right
		MS40-130608M-M50	○	●	○	○	○	○	○	○	●	○	●	○	13	12.07	2.2	0.8	6.8	12.0	90.00	Right	

● = First choice ○ = Good choice



Read more about CoroMill® MS60:
sandvik.coromant.com/coromillms60



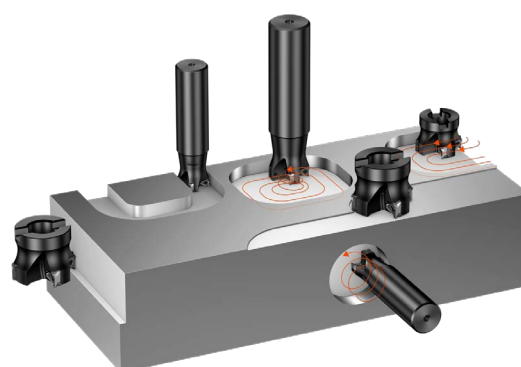
CoroMill® MS60

True versatility in face and shoulder milling operations

CoroMill® MS60 is primarily designed for cost-efficient 90° shoulder milling, thanks to its multi-edge insert with optimized geometries for ISO P and K, with ISO M and S as secondary application areas.

Application

- Roughing and semi-finishing face and shoulder milling applications where traditionally a multi-edge or tangential milling solution is used
- True 90° shoulder milling operations
- Ramping operations
- Main application areas: ISO P and ISO K
- Secondary application areas: ISO M and ISO S



P M K S
ISO application areas

Features and benefits

- The reliable double-sided insert concept provides 6 cutting edges per insert
- Competitive solution with true 90° shoulder milling, including ramping capability for versatile applications in ISO P and K
- Direct pressed insert with ramping capability, thanks to the specific insert shape
- True 90° shoulder milling all along the cutting edge
- Grades for ISO P and K applications, with ISO M and S as secondary application areas

Multi-edged cost-efficiency

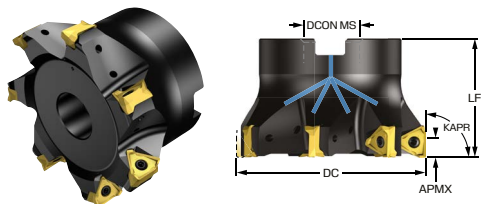
This multi-edge solution delivers true 90° shoulders with six cutting edges per insert, maximizing tool life and minimizing cost per component. A reliable choice for efficient face and shoulder milling in ISO P and K materials.





CoroMill® MS60, square shoulder milling cutter

Arbor - Internal coolant supply



Common data values

KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
MS60-R040Q16-11H	40.00	5.0	1.70	0.5	1	6	16.00	40.00	0.9	10500	A
MS60-R040Q16-11M	40.00	5.0	1.70	0.5	1	5	16.00	40.00	0.9	10500	A
MS60-R050Q22-11H	50.00	5.0	1.30	0.5	1	8	22.00	40.00	0.9	9400	A
MS60-R050Q22-11M	50.00	5.0	1.30	0.5	1	6	22.00	40.00	0.9	9400	A
MS60-R050Q22-16H	50.00	8.0	1.60	0.7	1	5	22.00	40.00	2.0	10700	A
MS60-R050Q22-16M	50.00	8.0	1.60	0.7	1	4	22.00	40.00	2.0	10700	A
MS60-R063Q22-16H	63.00	8.0	1.30	0.7	1	7	22.00	40.00	2.0	9600	A
MS60-R063Q22-16M	63.00	8.0	1.30	0.7	1	5	22.00	40.00	2.0	9600	A
MS60-R080Q27-16H	80.00	8.0	1.00	0.7	1	9	27.00	50.00	2.0	8500	A
MS60-R080Q27-16M	80.00	8.0	1.00	0.7	1	7	27.00	50.00	2.0	8500	A
MS60-R100Q32-16H	100.00	8.0	0.75	0.5	1	11	32.00	50.00	2.0	7600	A
MS60-R100Q32-16M	100.00	8.0	0.75	0.5	1	8	32.00	50.00	2.0	7600	A

R = Right hand, L = Left hand

Common data values

KAPR
[deg]
90.0

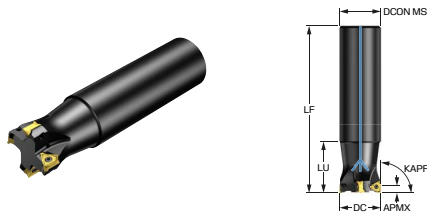
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	AZ [inch]	CNSC		DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
MS60-AR038R19-11H	1.500	0.197	1.70	0.020	1	6	0.750	1.575	0.7	10800	A
MS60-AR038R19-11M	1.500	0.197	1.70	0.020	1	5	0.750	1.575	0.7	10800	A
MS60-AR051R19-11H	2.000	0.197	1.30	0.020	1	8	0.750	1.575	0.7	9300	A
MS60-AR051R19-11M	2.000	0.197	1.30	0.020	1	6	0.750	1.575	0.7	9300	A
MS60-AR051R19-16H	2.000	0.315	1.80	0.028	1	5	0.750	1.500	1.5	10700	A
MS60-AR051R19-16M	2.000	0.315	1.80	0.028	1	4	0.750	1.500	1.5	10700	A
MS60-AR063R25-16M	2.500	0.315	1.40	0.028	1	5	1.000	1.625	1.5	9600	A
MS60-AR076R25-16H	3.000	0.315	1.10	0.028	1	9	1.000	2.000	1.5	8500	A
MS60-AR076R25-16M	3.000	0.315	1.10	0.028	1	7	1.000	2.000	1.5	8500	A
MS60-AR102R38-16H	4.000	0.315	0.80	0.020	1	11	1.500	2.500	1.5	7600	A
MS60-AR102R38-16M	4.000	0.315	0.80	0.020	1	8	1.500	2.500	1.5	7600	A

R = Right hand, L = Left hand

CoroMill® MS60, square shoulder milling cutter

Cylindrical shank - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
0.5	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC		DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
MS60-R025A25-11M	25.00	5.0	3.10	1	3	25.00	120.00	38.00	0.9	13300
MS60-R032A32-11H	32.00	5.0	2.20	1	5	32.00	130.00	39.00	0.9	11800
MS60-R032A32-11M	32.00	5.0	2.20	1	4	32.00	130.00	39.00	0.9	11800

R = Right hand, L = Left hand

Common data values

AZ [inch]	KAPR [deg]
0.020	90.0

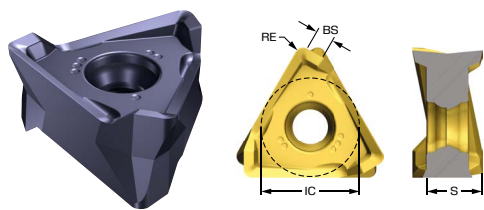
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	CNSC		DCON _{MS} [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
MS60-AR025O25-11M	1.000	0.197	3.10	1	3	1.000	4.724	1.496	0.7	13200
MS60-AR032O32-11M	1.250	0.197	2.20	1	4	1.250	5.118	1.535	0.7	11800

R = Right hand, L = Left hand



CoroMill® MS60, insert for milling



Metric (mm)

			P			S		K				M																				
			Ordering code										4330	1230	1040	1230	1040	4330	1220	3330	1020	1230	1040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light	L50	MS60-11T304M-L50		●	○	○	○		●			○	●	11T3	3.74	1.0	0.4	6.70	5.0	5.0	90.00	Right										
		MS60-160508M-L50	○	●	○	○	○	○	●	○	○	○	●	1605	5.35	1.6	0.8	9.60	8.0	8.0	90.00	Right										
Medium	M40	MS60-11T304M-M40		●		○						○		11T3	3.74	1.0	0.4	6.70	5.0	5.0	90.00	Right										
		MS60-11T308M-M40	○	●		○		○		●		○		11T3	3.74	0.8	0.8	6.70	5.0	5.0	90.00	Right										
		MS60-160508M-M40	○	●		○		○	○	●	○	○		1605	5.35	1.6	0.8	9.60	8.0	8.0	90.00	Right										
		MS60-160512M-M40	○	●		○		○		●		○		1605	5.35	1.3	1.2	9.60	8.0	8.0	90.00	Right										
		MS60-160516M-M40	○	●		○		○				○		1605	5.35	0.9	1.6	9.60	8.0	8.0	90.00	Right										

● = First choice ○ = Good choice



Read more about CoroMill® 390:
sandvik.coromant.com/coromill390



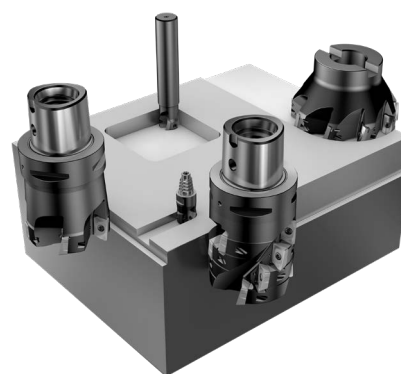
CoroMill® 390

Versatile milling concept suitable for mixed production

CoroMill® 390 covers many applications with a large, versatile programme, generates a good quality 90-degree shoulder and is ideal for ramping and helical interpolation.

Application

- Shoulder milling
- Repeated shoulder milling
- Linear and helical ramping
- Turn milling
- Deep shoulder milling
- Edging
- Pocketing



Features and benefits

- Wide range of products
- Light-cutting geometries
- Close tolerances giving excellent surface finish and minimal mismatch
- Large depth of cut and steep ramping capability
- Oversized diameter for clearance is available
- Lightweight cutter available to combine with Silent Tools™ milling adaptors for reduced vibration and increased stability when machining with long overhangs.
- Integrated Silent Tools™ damping technology for increased metal removal and improved surface finish with size 07 and 11 inserts



Versatility that meets every challenge

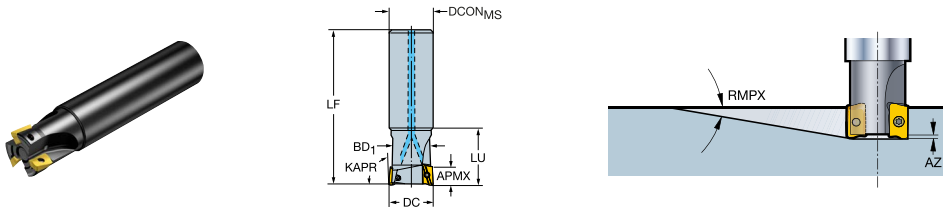
From shoulder milling to ramping and helical interpolation, this solution adapts effortlessly to a wide range of operations. Its light-cutting action, precision tolerances and broad assortment make it ideal for mixed production environments.





CoroMill® 390, cutter for square shoulder milling

Cylindrical shank - Internal coolant supply



Common data values

KAPR
[deg]

90.0

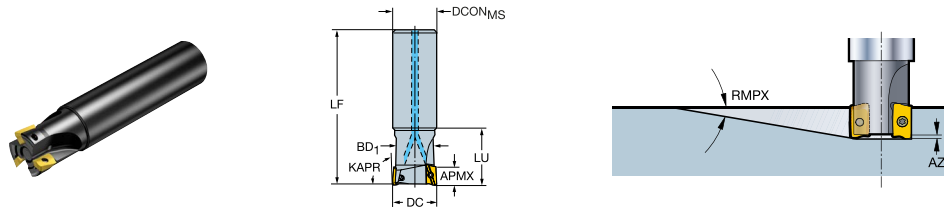
Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-0097A10-07L	9.70	5.8	7.40	0.5	1	2		10.00	9.2	15.0	60.00	15.00	0.5	55600
R390-010A09L-07L	10.00	5.8	7.00	0.5	1	2		9.00	9.3	100.0	100.00		0.5	54100
R390-010A10-07L	10.00	5.8	7.00	0.5	1	2		10.00	9.3	15.0	60.00	15.00	0.5	54100
R390-0117A12-07L	11.70	5.8	5.20	0.5	1	2		12.00	11.0	15.0	70.00	15.00	0.5	47400
R390-0117A12-07M	11.70	5.8	5.20	0.5	1		3	12.00	11.0	15.0	70.00	15.00	0.5	47400
R390-012A10L-07L	12.00	5.8	5.00	0.5	1	2		10.00	11.3	120.0	120.00		0.5	46500
R390-012A12-07L	12.00	5.8	5.00	0.5	1	2		12.00	11.3	18.0	70.00	18.00	0.5	46500
R390-012A12-07M	12.00	5.8	5.00	0.5	1		3	12.00	11.3	18.0	70.00	18.00	0.5	46500
R390-012A16-11L	12.00	10.0	6.00	1.0	1	1		16.00			95.00	17.20	1.2	68600
R390-0137A14-07L	13.70	5.8	3.90	0.5	1	2		14.00	12.9	15.0	80.00	15.00	0.5	42000
R390-0137A14-07M	13.70	5.8	3.90	0.5	1		3	14.00	12.9	15.0	80.00	15.00	0.5	42000
R390-014A12L-07M	14.00	5.8	3.80	0.5	1		3	12.00	13.2	140.0	140.00		0.5	33800
R390-014A14-07M	14.00	5.8	3.80	0.5	1		3	14.00	13.2	20.0	80.00	20.00	0.5	41400
R390-0157A16-07M	15.70	5.8	3.10	0.5	1		3	16.00	14.7	18.0	90.00	18.00	0.5	38100
R390-016A14L-07M	16.00	5.8	3.00	0.5	1		3	14.00	15.0	160.0	160.00		0.5	24100
R390-016A16-07H	16.00	5.8	3.00	0.5	1		4	16.00	15.0	25.0	90.00	25.00	0.5	37600
R390-016A16-07M	16.00	5.8	3.00	0.5	1		3	16.00	15.0	25.0	90.00	25.00	0.5	37600
R390-016A16-11L	16.00	10.0	10.50	1.0	1	2		16.00			100.00	25.00	1.2	41500
R390-016A16L-11L	16.00	10.0	10.50	1.0	1	2		16.00			145.00	25.00	1.2	31000
R390-018A16L-11L	18.00	10.0	7.50	1.0	1	2		16.00			145.00		1.2	31000
R390-020A20-07H	20.00	5.8	2.10	0.5	1		5	20.00	19.0	25.0	110.00	25.00	0.5	32500
R390-020A20-07M	20.00	5.8	2.10	0.5	1		4	20.00	19.0	25.0	110.00	25.00	0.5	32500
R390-020A20-11L	20.00	10.0	5.50	1.0	1	2		20.00			110.00	25.00	1.2	34600
R390-020A20-11M	20.00	10.0	5.50	1.0	1	3		20.00			110.00	25.00	1.2	34600
R390-020A20L-11L	20.00	10.0	5.50	1.0	1	2		20.00			170.00	40.00	1.2	20300
R390-022A20L-11L	22.00	10.0	5.00	1.0	1	2		20.00			170.00		1.2	20300
R390-025A25-07H	25.00	5.8	1.50	0.5	1		7	25.00	24.0	32.0	120.00	32.00	0.5	28200
R390-025A25-07M	25.00	5.8	1.50	0.5	1		5	25.00	24.0	32.0	120.00	32.00	0.5	28200
R390-025A25-11H	25.00	10.0	5.00	1.0	1	4		25.00			120.00	32.00	1.2	36500
R390-025A25-11L	25.00	10.0	5.00	1.0	1	2		25.00			120.00	32.00	1.2	36500
R390-025A25-11M	25.00	10.0	5.00	1.0	1	3		25.00			120.00	32.00	1.2	36500
R390-025A25-17L	25.00	15.7	15.50	1.5	1	2		25.00			120.00	32.00	3.0	30800
R390-025A25L-11L	25.00	10.0	5.00	1.0	1	2		25.00			210.00	50.00	1.2	11000
R390-025A25L-17L	25.00	15.7	15.50	1.5	1	2		25.00			210.00	50.00	3.0	11000

R = Right hand, L = Left hand

CoroMill® 390, cutter for square shoulder milling

Cylindrical shank - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

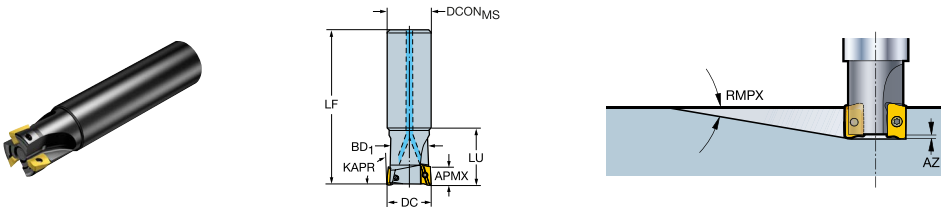
Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-030A25L-11L	30.00	10.0	3.80	1.0	1	2		25.00			210.00		1.2	11000
R390-032A32-11H	32.00	10.0	3.60	1.0	1		5	32.00			130.00	40.00	1.2	31000
R390-032A32-11L	32.00	10.0	3.60	1.0	1	2		32.00			130.00	40.00	1.2	31000
R390-032A32-11M	32.00	10.0	3.60	1.0	1		3	32.00			130.00	40.00	1.2	31000
R390-032A32-17L	32.00	15.7	6.70	1.5	1	2		32.00			130.00	40.00	3.0	25600
R390-032A32-17M	32.00	15.7	6.70	1.5	1		3	32.00			130.00	40.00	3.0	25600
R390-032A32L-11L	32.00	10.0	3.60	1.0	1	2		32.00			250.00	65.00	1.2	7600
R390-032A32L-17L	32.00	15.7	6.70	1.5	1	2		32.00			250.00	65.00	3.0	7600
R390-040A32-11H	40.00	10.0	2.00	1.0	1		6	32.00			170.00		1.2	27000
R390-040A32-11L	40.00	10.0	2.00	1.0	1	2		32.00			170.00		1.2	27000
R390-040A32-11M	40.00	10.0	2.00	1.0	1		4	32.00			170.00		1.2	27000
R390-040A32-17H	40.00	15.7	3.90	1.5	1	4		32.00			170.00		3.0	21900
R390-040A32-17L	40.00	15.7	3.90	1.5	1	2		32.00			170.00		3.0	21900
R390-040A32-17M	40.00	15.7	3.90	1.5	1		3	32.00			170.00		3.0	21900
R390-040A32L-11L	40.00	10.0	2.00	1.0	1	2		32.00			250.00		1.2	7600
R390-040A32L-17L	40.00	15.7	3.90	1.5	1	2		32.00			250.00		3.0	7600

R = Right hand, L = Left hand



CoroMill® 390, cutter for square shoulder milling

Cylindrical shank - Internal coolant supply



Common data values

KAPR
[deg]

90.0

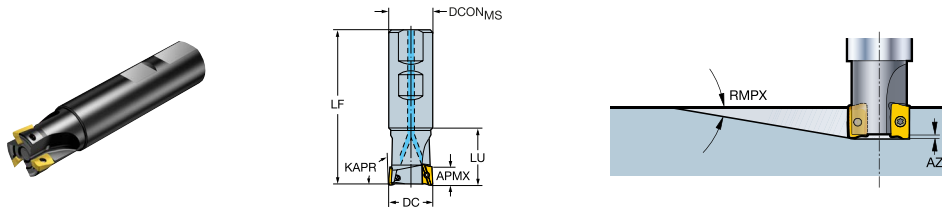
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
RA390-010008L-07L	0.375	0.228	7.70	0.020	1	2		0.313	0.355	3.937	3.937		0.4	56600
RA390-010010-07L	0.375	0.228	7.70	0.020	1	2		0.375	0.355	0.591	2.362	0.591	0.4	56600
RA390-013010L-07L	0.500	0.228	4.50	0.020	1	2		0.375	0.472	4.724	4.724		0.4	44500
RA390-013013-07L	0.500	0.228	4.50	0.020	1	2		0.500	0.472	0.709	2.756	0.709	0.4	44500
RA390-013013-07M	0.500	0.228	4.50	0.020	1		3	0.500	0.472	0.709	2.756	0.709	0.4	44500
RA390-016014L-07M	0.625	0.228	3.00	0.020	1		3	0.563	0.586	6.299	6.299		0.4	24100
RA390-016016-07H	0.625	0.228	3.00	0.020	1		4	0.625	0.586	0.984	3.543	0.984	0.4	37800
RA390-016016-07M	0.625	0.228	3.00	0.020	1		3	0.625	0.586	0.984	3.543	0.984	0.4	37800
RA390-016016L-11L	0.625	0.394	10.50	0.039	1	2		0.625			5.700	1.375	0.9	31000
RA390-019019-07H	0.750	0.228	2.20	0.020	1		5	0.750	0.711	0.984	4.331	0.984	0.4	33500
RA390-019019-07M	0.750	0.228	2.20	0.020	1		4	0.750	0.711	0.984	4.331	0.984	0.4	33500
RA390-019019L-11L	0.750	0.394	5.80	0.039	1	2		0.750			6.500	1.625	0.9	22100
RA390-025025-07H	1.000	0.228	1.40	0.020	1		7	1.000	0.961	1.260	4.724	1.260	0.4	28000
RA390-025025-07M	1.000	0.228	1.40	0.020	1		5	1.000	0.961	1.260	4.724	1.260	0.4	28000
RA390-025025L-11L	1.000	0.394	4.90	0.039	1	2		1.000			8.000	2.125	0.9	12100
RA390-025025L-11M	1.000	0.394	4.90	0.039	1	3		1.000			8.000	2.125	0.9	12100
RA390-025025L-17L	1.000	0.618	15.50	0.059	1	2		1.000			8.000	2.125	2.2	12100
RA390-032032L-17L	1.250	0.618	6.70	0.059	1	2		1.250			9.000	2.625	2.2	9000
RA390-032032L-17M	1.250	0.618	6.70	0.059	1		3	1.250			9.000	2.625	2.2	9000
RA390-038032L-17L	1.500	0.618	4.10	0.059	1	2		1.250			9.000		2.2	9000
RA390-038032L-17M	1.500	0.618	4.10	0.059	1		3	1.250			9.000		2.2	9000

R = Right hand, L = Left hand

CoroMill® 390, cutter for square shoulder milling

Weldon shank - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

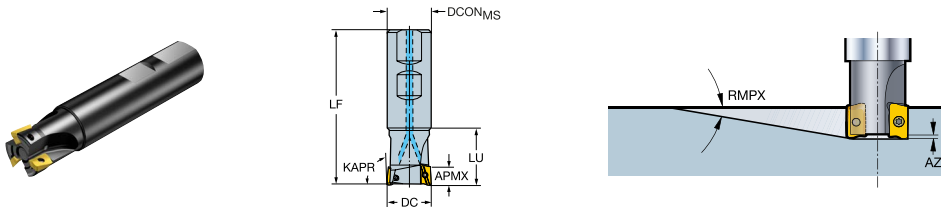
Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R390-012B16-11L	12.00	10.0	6.00	1.0	1	1		16.00	68.00	17.20	1.2	68600	WE
R390-016B16-11L	16.00	10.0	10.50	1.0	1	2		16.00	73.00	25.00	1.2	41500	WE
R390-020B20-11L	20.00	10.0	5.50	1.0	1	2		20.00	81.00	25.00	1.2	34600	WE
R390-020B20-11M	20.00	10.0	5.50	1.0	1	3		20.00	81.00	25.00	1.2	34600	WE
R390-025B25-11H	25.00	10.0	5.00	1.0	1	4		25.00	88.00	32.00	1.2	36500	WE
R390-025B25-11L	25.00	10.0	5.00	1.0	1	2		25.00	88.00	32.00	1.2	36500	WE
R390-025B25-11M	25.00	10.0	5.00	1.0	1	3		25.00	88.00	32.00	1.2	36500	WE
R390-025B25-17L	25.00	15.7	15.50	1.5	1	2		25.00	88.00	32.00	3.0	30800	WE
R390-032B32-11H	32.00	10.0	3.60	1.0	1		5	32.00	100.00	40.00	1.2	31000	WE
R390-032B32-11L	32.00	10.0	3.60	1.0	1	2		32.00	100.00	40.00	1.2	31000	WE
R390-032B32-11M	32.00	10.0	3.60	1.0	1		3	32.00	100.00	40.00	1.2	31000	WE
R390-032B32-17L	32.00	15.7	6.70	1.5	1	2		32.00	100.00	40.00	3.0	25600	WE
R390-032B32-17M	32.00	15.7	6.70	1.5	1		3	32.00	100.00	40.00	3.0	25600	WE
R390-040B32-11H	40.00	10.0	2.00	1.0	1		6	32.00	110.00		1.2	27000	WE
R390-040B32-11M	40.00	10.0	2.00	1.0	1		4	32.00	110.00		1.2	27000	WE
R390-040B32-17H	40.00	15.7	3.90	1.5	1	4		32.00	110.00		3.0	21900	WE
R390-040B32-17L	40.00	15.7	3.90	1.5	1	2		32.00	110.00		3.0	21900	WE
R390-040B32-17M	40.00	15.7	3.90	1.5	1		3	32.00	110.00		3.0	21900	WE

R = Right hand. L = Left hand



CoroMill® 390, cutter for square shoulder milling

Weldon shank - Internal coolant supply



Common data values

KAPR
[deg]
90.0

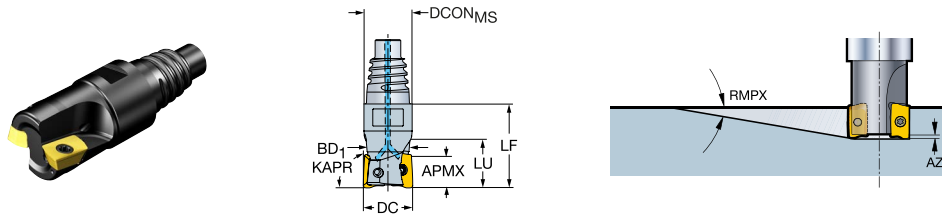
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]	STDLET
RA390-013M16-11L	0.500	0.394	5.00	0.039	1	1		0.625	2.882	0.715	0.9	64400	WE
RA390-016M19-11L	0.625	0.394	10.50	0.039	1	2		0.750	3.250	1.020	0.9	41800	WE
RA390-019M19-11L	0.750	0.394	5.80	0.039	1	2		0.750	3.351	1.020	0.9	35900	WE
RA390-019M19-11M	0.750	0.394	5.80	0.039	1	3		0.750	3.351	1.020	0.9	35900	WE
RA390-025M19-11H	1.000	0.394	4.90	0.039	1	4		0.750	3.501		0.9	36100	WE
RA390-025M19-11L	1.000	0.394	4.90	0.039	1	2		0.750	3.501		0.9	36100	WE
RA390-025M19-11M	1.000	0.394	4.90	0.039	1	3		0.750	3.501		0.9	36100	WE
RA390-025M25-11H	1.000	0.394	4.90	0.039	1	4		1.000	3.751	1.250	0.9	36100	WE
RA390-025M25-11L	1.000	0.394	4.90	0.039	1	2		1.000	3.751	1.250	0.9	36100	WE
RA390-025M25-11M	1.000	0.394	4.90	0.039	1	3		1.000	3.751	1.250	0.9	36100	WE
RA390-025M25-17L	1.000	0.618	14.00	0.059	1	2		1.000	4.001	1.500	2.2	30500	WE
RA390-032M32-11H	1.250	0.394	3.30	0.039	1		5	1.250	3.751	1.350	0.9	31200	WE
RA390-032M32-11M	1.250	0.394	3.30	0.039	1		3	1.250	3.751	1.350	0.9	31200	WE
RA390-032M32-17L	1.250	0.618	6.70	0.059	1	2		1.250	4.001	1.580	2.2	25700	WE
RA390-032M32-17M	1.250	0.618	6.70	0.059	1		3	1.250	4.001	1.580	2.2	25700	WE
RA390-038M32-11H	1.500	0.394	2.20	0.039	1		6	1.250	4.001		0.9	27800	WE
RA390-038M32-11L	1.500	0.394	2.20	0.039	1	2		1.250	4.001		0.9	27800	WE
RA390-038M32-11M	1.500	0.394	2.20	0.039	1		4	1.250	4.001		0.9	27800	WE
RA390-038M32-17H	1.500	0.618	4.10	0.059	1		4	1.250	4.501		2.2	22700	WE
RA390-038M32-17L	1.500	0.618	4.10	0.059	1	2		1.250	4.501		2.2	22700	WE
RA390-038M32-17M	1.500	0.618	4.10	0.059	1		3	1.250	4.501		2.2	22700	WE

R = Right hand, L = Left hand

CoroMill® 390, cutter for square shoulder milling

Coromant EH - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

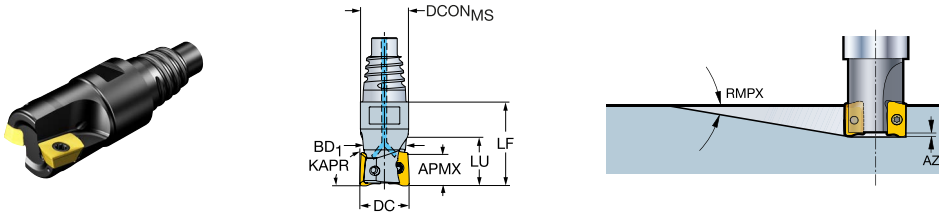
Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-0097EH10-07L	9.70	5.8	7.40	0.5	1	2		9.70	9.2	12.5	20.00	12.50	0.5	55600
R390-010EH10-07L	10.00	5.8	7.00	0.5	1	2		9.70	9.3	12.5	20.00	12.50	0.5	54100
R390-0117EH12-07L	11.70	5.8	5.20	0.5	1	2		11.70	11.0	11.9	20.00	11.90	0.5	47400
R390-012EH12-07L	12.00	5.8	5.00	0.5	1	2		11.70	11.3	11.9	20.00	11.90	0.5	46500
R390-012EH12-07M	12.00	5.8	5.00	0.5	1		3	11.70	11.3	11.9	20.00	11.90	0.5	46500
R390-0137EH12-07L	13.70	5.8	3.90	0.5	1	2		11.70	12.9	20.0	20.00		0.5	42000
R390-0137EH12-07M	13.70	5.8	3.90	0.5	1		3	11.70	12.9	20.0	20.00		0.5	42000
R390-014EH12-07M	14.00	5.8	3.80	0.5	1		3	11.70	13.2	20.0	20.00		0.5	41400
R390-0157EH16-07M	15.70	5.8	3.10	0.5	1		3	15.50	14.7	15.7	25.00	15.70	0.5	38100
R390-016EH16-07H	16.00	5.8	3.00	0.5	1		4	15.50	15.0	15.7	25.00	15.70	0.5	37600
R390-016EH16-07M	16.00	5.8	3.00	0.5	1		3	15.50	15.0	15.7	25.00	15.70	0.5	37600
R390-016EH16-11L	16.00	10.0	10.50	1.0	1	2		15.50			27.00		1.2	41500
R390-018EH16-07M	18.00	5.8	2.50	0.5	1		3	15.50	17.0	25.0	25.00		0.5	34800
R390-018EH16-11L	18.00	10.0	5.00	1.0	1	2		15.50			27.00		1.2	31000
R390-020EH20-07H	20.00	5.8	2.10	0.5	1		5	19.30	19.0	14.4	25.00	14.40	0.5	32500
R390-020EH20-07M	20.00	5.8	2.10	0.5	1		4	19.30	19.0	14.4	25.00	14.40	0.5	32500
R390-020EH20-11L	20.00	10.0	5.50	1.0	1	2		19.30			30.00		1.2	34600
R390-020EH20-11M	20.00	10.0	5.50	1.0	1	3		19.30			30.00		1.2	34600
R390-022EH20-11L	22.00	10.0	5.00	1.0	1	2		19.30			30.00		1.2	36500
R390-022EH20-11M	22.00	10.0	5.00	1.0	1	3		19.30			30.00		1.2	36500
R390-025EH20-07H	25.00	5.8	1.50	0.5	1		7	19.30	24.0	25.0	25.00		0.5	28200
R390-025EH20-07M	25.00	5.8	1.50	0.5	1		5	19.30	24.0	25.0	25.00		0.5	28200
R390-025EH25-07H	25.00	5.8	1.50	0.5	1		7	24.20	24.0	13.9	25.00	13.90	0.5	28200
R390-025EH25-07M	25.00	5.8	1.50	0.5	1		5	24.20	24.0	13.9	25.00	13.90	0.5	28200
R390-025EH25-11H	25.00	10.0	5.00	1.0	1	4		24.20			35.00		1.2	36400
R390-025EH25-11L	25.00	10.0	5.00	1.0	1	2		24.20			35.00		1.2	36400
R390-025EH25-11M	25.00	10.0	5.00	1.0	1	3		24.20			35.00		1.2	36400
R390-025EH25-17L	25.00	15.7	15.50	1.5	1	2		24.20			40.00		3.0	30800
R390-028EH25-11L	28.00	10.0	1.40	1.0	1	2		24.20			35.00		1.2	31000
R390-028EH25-11M	28.00	10.0	2.40	1.0	1	3		24.20			35.00		1.2	31000
R390-032EH25-07H	32.00	5.8	1.00	0.5	1		8	24.20	30.4	25.0	25.00		0.5	24400
R390-032EH25-07M	32.00	5.8	1.00	0.5	1		6	24.20	30.4	25.0	25.00		0.5	24400
R390-032EH25-11H	32.00	10.0	3.60	1.0	1		5	24.20			35.00		1.2	31000
R390-032EH25-11L	32.00	10.0	3.60	1.0	1	2		24.20			35.00		1.2	31000

R = Right hand, L = Left hand



CoroMill® 390, cutter for square shoulder milling

Coromant EH - Internal coolant supply



Common data values

KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-032EH25-11M	32.00	10.0	3.60	1.0	1		3	24.20			35.00		1.2	31000
R390-032EH25-17L	32.00	15.7	6.70	1.5	1	2		24.20			40.00		3.0	25600
R390-032EH25-17M	32.00	15.7	6.70	1.5	1		3	24.20			40.00		3.0	25600

R = Right hand, L = Left hand

Common data values

KAPR
[deg]
90.0

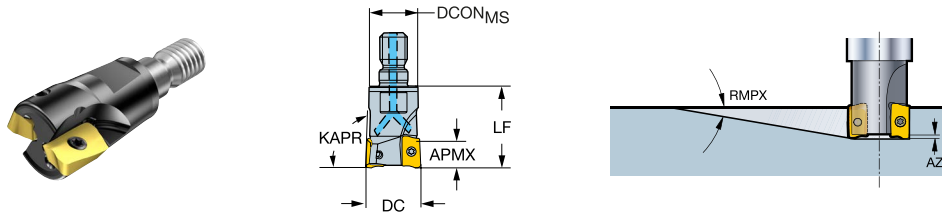
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
RA390-010EH10-07L	0.375	0.228	7.70	0.020	1	2		0.364	0.355	0.492	0.787	0.492	0.4	56600
RA390-013EH12-07L	0.500	0.228	4.50	0.020	1	2		0.484	0.472	0.469	0.787	0.469	0.4	44500
RA390-013EH12-07M	0.500	0.228	4.50	0.020	1		3	0.484	0.472	0.469	0.787	0.469	0.4	44500
RA390-016EH16-07H	0.625	0.228	3.00	0.020	1		4	0.610	0.586	0.618	0.984	0.618	0.4	37800
RA390-016EH16-07M	0.625	0.228	3.00	0.020	1		3	0.610	0.586	0.618	0.984	0.618	0.4	37800
RA390-016EH16-11L	0.625	0.394	10.50	0.039	1	2		0.610			1.063		0.9	41800
RA390-019EH20-07H	0.750	0.228	2.20	0.020	1		5	0.728	0.711	0.567	0.984	0.567	0.4	33500
RA390-019EH20-07M	0.750	0.228	2.20	0.020	1		4	0.728	0.711	0.567	0.984	0.567	0.4	33500
RA390-019EH20-11L	0.750	0.394	5.50	0.039	1	2		0.728			1.181		0.9	35900
RA390-019EH20-11M	0.750	0.394	5.50	0.039	1	3		0.728			1.181		0.9	35900
RA390-025EH25-07H	1.000	0.228	1.40	0.020	1		7	0.965	0.961	0.547	0.984	0.547	0.4	28000
RA390-025EH25-07M	1.000	0.228	1.40	0.020	1		5	0.965	0.961	0.547	0.984	0.547	0.4	28000
RA390-025EH25-11H	1.000	0.394	4.90	0.039	1	4		0.965			1.378		0.9	36100
RA390-025EH25-11L	1.000	0.394	4.90	0.039	1	2		0.965			1.378		0.9	36100
RA390-025EH25-11M	1.000	0.394	4.90	0.039	1	3		0.965			1.378		0.9	36100
RA390-025EH25-17L	1.000	0.618	14.00	0.059	1	2		0.965			1.575		2.2	30500
RA390-032EH25-11H	1.250	0.394	3.30	0.039	1		5	0.965			1.378		0.9	31200
RA390-032EH25-11M	1.250	0.394	3.30	0.039	1		3	0.965			1.378		0.9	31200
RA390-032EH25-17L	1.250	0.618	6.70	0.059	1	2		0.965			1.575		2.2	25700
RA390-032EH25-17M	1.250	0.618	6.70	0.059	1		3	0.965			1.575		2.2	25700

R = Right hand, L = Left hand

CoroMill® 390, cutter for square shoulder milling

Threaded coupling – Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
1.0	90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
R390-16T08-11L	16.00	10.0	10.50	0	2	12.80	25.00	1.2	10900
R390-20T10-11L	20.00	10.0	5.50	1	2	17.80	30.00	1.2	9900
R390-20T10-11M	20.00	10.0	5.50	1	3	17.80	30.00	1.2	9900
R390-25T12-11L	25.00	10.0	5.00	1	2	20.80	35.00	1.2	8100
R390-25T12-11M	25.00	10.0	5.00	1	3	20.80	35.00	1.2	8100
R390-32T16-11L	32.00	10.0	3.60	1	2	28.80	45.00	1.2	9100
R390-32T16-11M	32.00	10.0	3.60	1	3	28.80	45.00	1.2	9100
R390-35T16-11L	35.00	10.0	3.00	1	2	28.80	45.00	1.2	9100
R390-35T16-11M	35.00	10.0	3.00	1	3	28.80	45.00	1.2	9100
R390-40T16-11M	40.00	10.0	2.00	1	4	28.80	45.00	1.2	9100
R390-42T16-11M	42.00	10.0	1.90	1	4	28.80	45.00	1.2	9100

R = Right hand, L = Left hand

Common data values

AZ [inch]	KAPR [deg]
0.039	90.0

Imperial (inch)

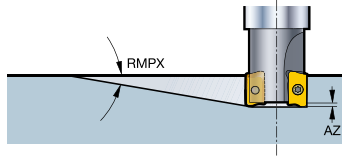
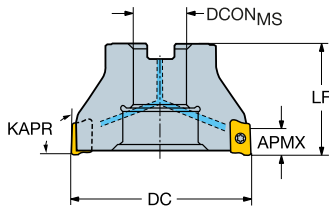
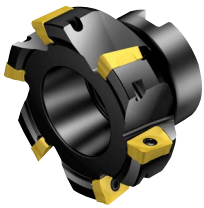
Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	CNSC		DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
RA390-19T10-11L	0.750	0.394	5.80	1	2	0.701	1.181	0.9	9900
RA390-25T12-11M	1.000	0.394	4.90	1	3	0.819	1.378	0.9	8100
RA390-32T16-11M	1.250	0.394	3.60	1	3	1.134	1.693	0.9	9100
RA390-38T16-11M	1.500	0.394	2.20	1	4	1.134	1.693	0.9	9100

R = Right hand, L = Left hand



CoroMill® 390, cutter for square shoulder milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
90.0

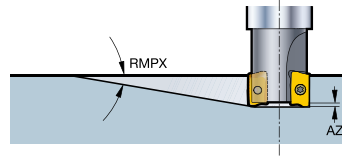
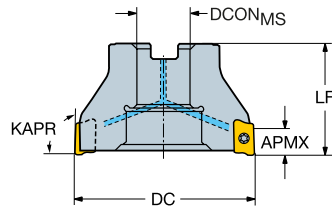
Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R390-040Q16-11H	40.00	10.0	2.00	1.0	1		6	16.00	40.00	1.2	27000	A
R390-040Q16-11M	40.00	10.0	2.00	1.0	1		4	16.00	40.00	1.2	27000	A
R390-040Q16-17H	40.00	15.7	3.90	1.5	1	4		16.00	40.00	3.0	21900	A
R390-040Q16-17L	40.00	15.7	3.90	1.5	1	2		16.00	40.00	3.0	21900	A
R390-040Q16-17M	40.00	15.7	3.90	1.5	1		3	16.00	40.00	3.0	21900	A
R390-044Q16-11M	44.00	10.0	1.80	1.0	1		4	16.00	40.00	1.2	25600	A
R390-044Q16-17M	44.00	15.7	3.30	1.5	1		3	16.00	40.00	3.0	20600	A
R390-050Q22-11H	50.00	10.0	1.50	1.0	1		7	22.00	40.00	1.2	23700	A
R390-050Q22-11M	50.00	10.0	1.50	1.0	1		5	22.00	40.00	1.2	23700	A
R390-050Q22-17H	50.00	15.7	2.80	1.5	1		5	22.00	40.00	3.0	19000	A
R390-050Q22-17L	50.00	15.7	2.80	1.5	1		3	22.00	40.00	3.0	19000	A
R390-050Q22-17M	50.00	15.7	2.80	1.5	1		4	22.00	40.00	3.0	19000	A
R390-050Q22-18H	50.00	15.4	5.50	0.0	1	5		22.00	40.00	3.0	7900	A
R390-050Q22-18L	50.00	15.4	5.50	0.0	1		3	22.00	40.00	3.0	7900	A
R390-050Q22-18M	50.00	15.4	5.50	0.0	1		4	22.00	40.00	3.0	7900	A
R390-054Q22-11M	54.00	10.0	1.40	1.0	1		5	22.00	40.00	1.2	22600	A
R390-054Q22-17M	54.00	15.7	2.50	1.5	1		4	22.00	40.00	3.0	18200	A
R390-054Q22-18M	54.00	15.4	5.00	0.0	1		4	22.00	40.00	3.0	7500	A
R390-063Q22-11H	63.00	10.0	1.20	1.0	1		8	22.00	40.00	1.2	20700	A
R390-063Q22-11M	63.00	10.0	1.20	1.0	1		6	22.00	40.00	1.2	20700	A
R390-063Q22-17H	63.00	15.7	2.10	1.5	1		6	22.00	40.00	3.0	16500	A
R390-063Q22-17L	63.00	15.7	2.10	1.5	1		4	22.00	40.00	3.0	16500	A
R390-063Q22-17M	63.00	15.7	2.10	1.5	1		5	22.00	40.00	3.0	16500	A
R390-063Q22-18H	63.00	15.4	4.00	0.0	1	6		22.00	40.00	3.0	6800	A
R390-063Q22-18L	63.00	15.4	4.00	0.0	1		4	22.00	40.00	3.0	6800	A
R390-063Q22-18M	63.00	15.4	4.00	0.0	1		5	22.00	40.00	3.0	6800	A
R390-066Q22-11M	66.00	10.0	3.70	1.0	1		6	22.00	40.00	1.2	20200	A
R390-066Q22-17M	66.00	15.7	1.80	1.5	1		5	22.00	40.00	3.0	16100	A
R390-066Q22-18M	66.00	15.4	3.70	0.0	1		5	22.00	40.00	3.0	6700	A
R390-080Q27-11H	80.00	10.0	0.90	1.0	1		10	27.00	50.00	1.2	18200	A
R390-080Q27-11M	80.00	10.0	0.90	1.0	1		7	27.00	50.00	1.2	18200	A
R390-080Q27-17H	80.00	15.7	1.60	1.5	1		8	27.00	50.00	3.0	14400	A
R390-080Q27-17L	80.00	15.7	1.60	1.5	1		4	27.00	50.00	3.0	14400	A
R390-080Q27-17M	80.00	15.7	1.60	1.5	1		6	27.00	50.00	3.0	14400	A

R = Right hand, L = Left hand

CoroMill® 390, cutter for square shoulder milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

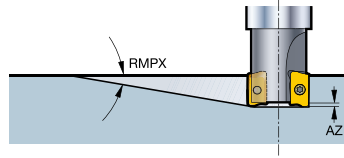
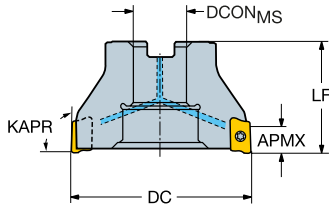
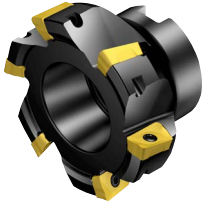
Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R390-080Q27-18L	80.00	15.4	3.10	0.0	1		4	27.00	50.00	3.0	5900	A
R390-080Q27-18M	80.00	15.4	3.10	0.0	1		6	27.00	50.00	3.0	5900	A
R390-084Q27-11M	84.00	10.0	3.10	1.0	1		7	27.00	50.00	1.2	17700	A
R390-084Q27-17M	84.00	15.7	1.60	1.5	1		6	27.00	50.00	3.0	14100	A
R390-084Q27-18M	84.00	15.4	3.10	0.0	1		6	27.00	50.00	3.0	5800	A
R390-100Q32-17H	100.00	15.7	0.40	1.5	1		9	32.00	50.00	3.0	12700	B
R390-100Q32-17L	100.00	15.7	0.40	1.5	1		5	32.00	50.00	3.0	12700	B
R390-100Q32-17M	100.00	15.7	0.40	1.5	1		7	32.00	50.00	3.0	12700	B
R390-100Q32-18L	100.00	15.4	2.30	0.0	1		5	32.00	50.00	3.0	5200	B
R390-100Q32-18M	100.00	15.4	2.30	0.0	1		7	32.00	50.00	3.0	5200	B
R390-125Q40-17H	125.00	15.7	0.00	1.5	1		11	40.00	63.00	3.0	11200	B
R390-125Q40-17L	125.00	15.7	0.00	1.5	1		6	40.00	63.00	3.0	11200	B
R390-125Q40-17M	125.00	15.7	0.00	1.5	1		8	40.00	63.00	3.0	11200	B
R390-125Q40-18L	125.00	15.4	1.70	0.0	1		6	40.00	63.00	3.0	4600	B
R390-125Q40-18M	125.00	15.4	1.70	0.0	1		8	40.00	63.00	3.0	4600	B
RA390-080J25.4-17H	80.00	15.7	1.60	1.5	1		8	25.40	50.00	3.0	14400	
RA390-080J25.4-17L	80.00	15.7	1.60	1.5	1		4	25.40	50.00	3.0	14400	
RA390-080J25.4-17M	80.00	15.7	1.60	1.5	1		6	25.40	50.00	3.0	14400	
RA390-100J31.75-18M	100.00	15.4	0.00	0.0	1		7	31.75	63.00	3.0	5200	
RA390-125J38.1-18M	125.00	15.4	0.00	0.0	1		8	38.10	63.00	3.0	4600	

R = Right hand, L = Left hand



CoroMill® 390, cutter for square shoulder milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
90.0

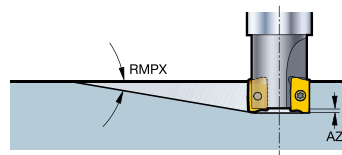
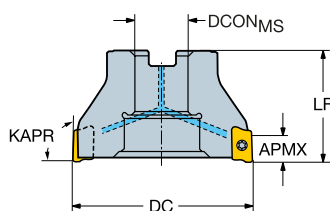
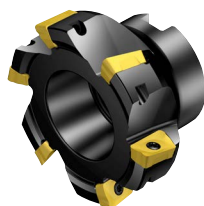
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
RA390-038R19-11H	1.500	0.394	2.20	0.039	1	6		0.750	1.575	0.9	22700	A
RA390-038R19-11M	1.500	0.394	2.20	0.039	1	4		0.750	1.575	0.9	22700	A
RA390-051R19-11H	2.000	0.394	1.40	0.039	1	7		0.750	1.575	0.9	23500	A
RA390-051R19-11M	2.000	0.394	1.40	0.039	1	5		0.750	1.575	0.9	23500	A
RA390-051R19-17H	2.000	0.618	2.70	0.059	1	5		0.750	1.575	2.2	18800	A
RA390-051R19-17L	2.000	0.618	2.70	0.059	1	3		0.750	1.575	2.2	18800	A
RA390-051R19-17M	2.000	0.618	2.70	0.059	1	4		0.750	1.575	2.2	18800	A
RA390-051R19-18H	2.000	0.606	5.40	0.000	1	5		0.750	1.575	2.2	7800	A
RA390-051R19-18L	2.000	0.606	5.40	0.000	1		3	0.750	1.575	2.2	7800	A
RA390-051R19-18M	2.000	0.606	5.40	0.000	1		4	0.750	1.575	2.2	7800	A
RA390-063R19-11H	2.500	0.394	1.20	0.039	1	8		0.750	1.575	0.9	20700	A
RA390-063R19-11M	2.500	0.394	1.20	0.039	1	6		0.750	1.575	0.9	20700	A
RA390-063R19-17H	2.500	0.618	2.10	0.059	1	6		0.750	1.575	2.2	16500	A
RA390-063R19-17L	2.500	0.618	2.10	0.059	1	4		0.750	1.575	2.2	16500	A
RA390-063R19-17M	2.500	0.618	2.10	0.059	1	5		0.750	1.575	2.2	16500	A
RA390-063R19-18H	2.500	0.606	4.00	0.000	1	6		0.750	1.575	2.2	6800	A
RA390-063R19-18L	2.500	0.606	4.00	0.000	1		4	0.750	1.575	2.2	6800	A
RA390-063R19-18M	2.500	0.606	4.00	0.000	1		5	0.750	1.575	2.2	6800	A
RA390-076R25-11H	3.000	0.394	1.00	0.039	1	9		1.000	1.969	0.9	18700	A
RA390-076R25-11M	3.000	0.394	1.00	0.039	1	7		1.000	1.969	0.9	18700	A
RA390-076R25-17H	3.000	0.618	1.80	0.059	1	7		1.000	1.969	2.2	14800	A
RA390-076R25-17L	3.000	0.618	1.80	0.059	1	4		1.000	1.969	2.2	14800	A
RA390-076R25-17M	3.000	0.618	1.80	0.059	1	6		1.000	1.969	2.2	14800	A
RA390-076R25-18L	3.000	0.606	3.30	0.000	1		4	1.000	1.969	2.2	6100	A
RA390-076R25-18M	3.000	0.606	3.30	0.000	1		6	1.000	1.969	2.2	6100	A
RA390-102R38-17H	4.000	0.618	0.30	0.059	1	9		1.500	1.969	2.2	12600	B
RA390-102R38-17L	4.000	0.618	0.30	0.059	1	5		1.500	1.969	2.2	12600	B
RA390-102R38-17M	4.000	0.618	0.30	0.059	1	7		1.500	1.969	2.2	12600	B
RA390-102R38-18L	4.000	0.606	2.30	0.000	1		5	1.500	1.969	2.2	5200	B
RA390-102R38-18M	4.000	0.606	2.30	0.000	1		7	1.500	1.969	2.2	5200	B
RA390-127R38-17H	5.000	0.618	0.00	0.059	1	11		1.500	2.480	2.2	11200	B
RA390-127R38-17L	5.000	0.618	0.00	0.059	1	6		1.500	2.480	2.2	11200	B
RA390-127R38-17M	5.000	0.618	0.00	0.059	1	8		1.500	2.480	2.2	11200	B
RA390-127R38-18L	5.000	0.606	1.60	0.000	1		6	1.500	2.480	2.2	4600	B

R = Right hand, L = Left hand

CoroMill® 390, cutter for square shoulder milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
90.0

Imperial (inch)

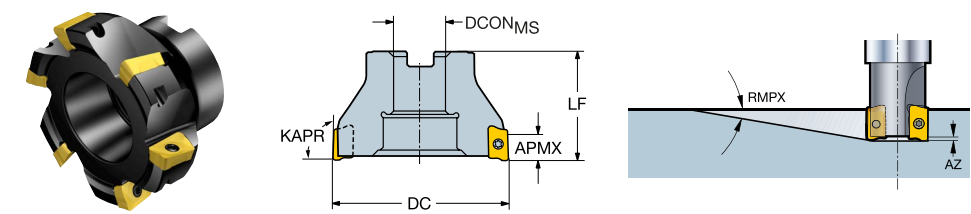
Ordering code	DC [inch]	APMX [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
RA390-127R38-18M	5.000	0.606	1.60	0.000	1		8	1.500	2.480	2.2	4600	B
RA390-152R38-18L	6.000	0.606	1.20	0.000	1		8	1.500	2.480	2.2	4100	B
RA390-152R38-18M	6.000	0.606	1.20	0.000	1		12	1.500	2.480	2.2	4100	B

R = Right hand. L = Left hand



CoroMill® 390, cutter for square shoulder milling

Arbor shank - External coolant supply



Common data values

KAPR [deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC		DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R390-040Q16-07H	40.00	5.8	0.70	0.5	1	10	16.00	38.8	35.0	35.00	0.5	21500	A
R390-040Q16-07M	40.00	5.8	0.70	0.5	1	7	16.00	38.8	35.0	35.00	0.5	21500	A
R390-160Q40-18L	160.00	15.4	1.20	0.0	0	8	40.00			63.00	3.0	4000	C
R390-160Q40-18M	160.00	15.4	1.20	0.0	0	12	40.00			63.00	3.0	4000	C
R390-200Q60-18L	200.00	15.4	1.00	0.0	0	10	60.00			63.00	3.0	3600	C
RA390-160J50.8-18M	160.00	15.4	0.00	0.0	0	12	50.80			63.00	3.0	4000	

R = Right hand, L = Left hand

Common data values

KAPR [deg]
90.0

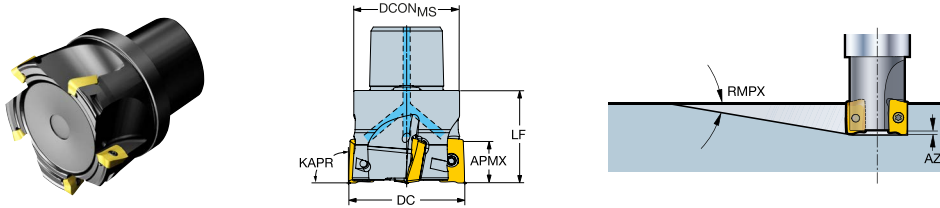
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	RMPX [deg]		DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET	DBC [inch]
RA390-203R63-18L	8.000	0.606	1.00	10	2.500	2.480	2.2	3500	C	4.00

R = Right hand, L = Left hand

CoroMill® 390, cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

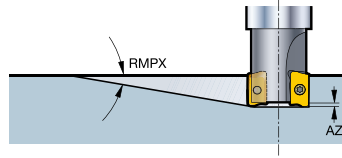
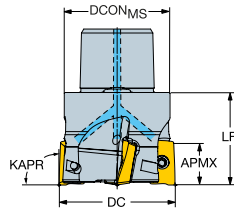
Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-016C3-11L050	16.00	10.0	10.50	1.0	3	2		32.00	50.00	25.00	1.2	39000
R390-016C4-11L	16.00	10.0	10.50	1.0	3	2		40.00	50.00	25.00	1.2	39000
R390-020C3-11L050	20.00	10.0	5.50	1.0	3	2		32.00	50.00	25.00	1.2	34600
R390-020C3-11M050	20.00	10.0	5.50	1.0	3	3		32.00	50.00	25.00	1.2	34600
R390-020C4-11L	20.00	10.0	5.50	1.0	3	2		40.00	50.00	25.00	1.2	34600
R390-020C5-11M095	20.00	10.0	5.50	1.0	3	3		50.00	95.00	40.00	1.2	34600
R390-020C6-11M110	20.00	10.0	5.50	1.0	3	3		63.00	110.00	40.00	1.2	34600
R390-025C3-11M050	25.00	10.0	5.00	1.0	3	3		32.00	50.00	32.00	1.2	36500
R390-025C4-11L	25.00	10.0	5.00	1.0	3	2		40.00	55.00	32.00	1.2	36500
R390-025C4-11M	25.00	10.0	5.00	1.0	3	3		40.00	55.00	32.00	1.2	36500
R390-025C5-11M095	25.00	10.0	5.00	1.0	3	3		50.00	95.00	45.00	1.2	36500
R390-025C6-11M110	25.00	10.0	5.00	1.0	3	3		63.00	110.00	45.00	1.2	36500
R390-032C3-11L050	32.00	10.0	3.60	1.0	3		2	32.00	50.00	35.00	1.2	31000
R390-032C3-11M050	32.00	10.0	3.60	1.0	3		3	32.00	50.00	35.00	1.2	31000
R390-032C4-11M	32.00	10.0	3.60	1.0	3		3	40.00	65.00	40.00	1.2	31000
R390-032C5-11M	32.00	10.0	3.60	1.0	3		3	50.00	65.00	40.00	1.2	31000
R390-032C5-11M095	32.00	10.0	3.60	1.0	3		3	50.00	95.00	50.00	1.2	31000
R390-032C6-11M080	32.00	10.0	3.60	1.0	3	3		63.00	80.00	40.00	1.2	31000
R390-032C6-11M110	32.00	10.0	3.60	1.0	3		3	63.00	110.00	50.00	1.2	31000
R390-036C3-11M050	36.00	10.0	2.60	1.0	3	3		32.00	50.00		1.2	29000
R390-036C3-11M075	36.00	10.0	2.60	1.0	3	3		32.00	75.00		1.2	29000
R390-040C4-11H	40.00	10.0	2.00	1.0	3		6	40.00	70.00	50.00	1.2	27000
R390-040C4-11M	40.00	10.0	2.00	1.0	3		4	40.00	70.00	70.00	1.2	27000
R390-040C4-18M060	40.00	15.4	6.80	0.0	3	3		40.00	60.00	40.00	3.0	9200
R390-040C5-11H	40.00	10.0	2.00	1.0	3		6	50.00	75.00	50.00	1.2	27000
R390-040C5-11M	40.00	10.0	2.00	1.0	3		4	50.00	75.00	50.00	1.2	27000
R390-040C5-18M080	40.00	15.4	6.80	0.0	3	3		50.00	80.00	40.00	3.0	9200
R390-040C6-11M080	40.00	10.0	2.00	1.0	3	4		63.00	80.00	40.00	1.2	27000
R390-040C6-18M100	40.00	15.4	6.80	0.0	3	3		63.00	100.00	50.00	3.0	9200
R390-044C4-11M060	44.00	10.0	1.80	1.0	3	4		40.00	60.00		1.2	25600
R390-044C4-11M075	44.00	10.0	1.80	1.0	3	4		40.00	75.00		1.2	25600
R390-044C4-18M060	44.00	15.4	6.00	0.0	3	3		40.00	60.00		3.0	8600
R390-044C4-18M080	44.00	15.4	6.00	0.0	3	3		40.00	80.00		3.0	8600
R390-050C5-11M060	50.00	10.0	1.50	1.0	3	5		50.00	60.00	40.00	1.2	23700

R = Right hand, L = Left hand



CoroMill® 390, cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]
90.0

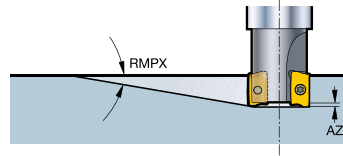
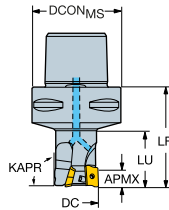
Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-050C5-18M060	50.00	15.4	5.50	0.0	3	4		50.00	60.00	40.00	3.0	7900
R390-050C6-11M080	50.00	10.0	1.50	1.0	3	5		63.00	80.00	40.00	1.2	23700
R390-050C6-18M080	50.00	15.4	5.50	0.0	3	4		63.00	80.00	40.00	3.0	7900
R390-054C5-11M060	54.00	10.0	1.40	1.0	3	5		50.00	60.00		1.2	22700
R390-054C5-11M080	54.00	10.0	1.40	1.0	3	5		50.00	80.00		1.2	22700
R390-054C5-18M060	54.00	15.4	5.00	0.0	3	4		50.00	60.00		3.0	7500
R390-054C5-18M080	54.00	15.4	5.00	0.0	3	4		50.00	80.00		3.0	7500
R390-063C5-11M060	63.00	10.0	1.20	1.0	3	6		50.00	60.00		1.2	20700
R390-063C5-18M060	63.00	15.4	4.00	0.0	3	5		50.00	60.00		3.0	6800
R390-063C6-11M080	63.00	10.0	1.20	1.0	3	6		63.00	80.00	40.00	1.2	20700
R390-063C6-18M060	63.00	15.4	4.00	0.0	3	5		63.00	60.00	38.00	3.0	6800
R390-066C6-11M060	66.00	10.0	1.10	1.0	3	6		63.00	60.00		1.2	20200
R390-066C6-11M080	66.00	10.0	1.10	1.0	3	6		63.00	80.00		1.2	20200
R390-066C6-18M060	66.00	15.4	3.70	0.0	3	5		63.00	60.00		3.0	6700
R390-066C6-18M080	66.00	15.4	3.70	0.0	3	5		63.00	80.00		3.0	6700
R390-080C6-11M060	80.00	10.0	0.90	1.0	3	7		63.00	60.00		1.2	18200
R390-080C6-11M080	80.00	10.0	0.90	1.0	3	7		63.00	80.00		1.2	18200
R390-080C6-18M060	80.00	15.4	3.10	0.0	3	6		63.00	60.00		3.0	5900
R390-084C8-18M070	84.00	15.4	2.80	0.0	3	6		80.00	70.00		3.0	5800
R390-084C8-18M100	84.00	15.4	2.80	0.0	3	6		80.00	100.00		3.0	5800
R390-044C4T-11H	44.00	10.0	1.80	1.0	3	4		40.00	35.00		1.2	25600
R390-044C4T-17M	44.00	15.7	3.40	1.5	3	4		40.00	35.00		3.0	20600
R390-054C5T-11H	54.00	10.0	1.40	1.0	3	5		50.00	35.00		1.2	22700
R390-054C5T-17M	54.00	15.7	2.40	1.5	3	5		50.00	35.00		3.0	18200

R = Right hand, L = Left hand

CoroMill® 390, cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

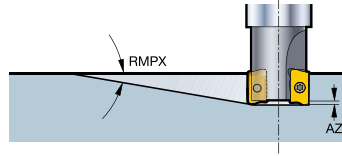
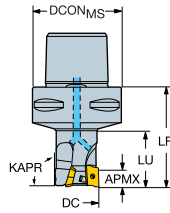
Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-016C3-11L050	16.00	10.0	10.50	1.0	3	2		32.00	50.00	25.00	1.2	39000
R390-016C4-11L	16.00	10.0	10.50	1.0	3	2		40.00	50.00	25.00	1.2	39000
R390-020C3-11L050	20.00	10.0	5.50	1.0	3	2		32.00	50.00	25.00	1.2	34600
R390-020C3-11M050	20.00	10.0	5.50	1.0	3	3		32.00	50.00	25.00	1.2	34600
R390-020C4-11L	20.00	10.0	5.50	1.0	3	2		40.00	50.00	25.00	1.2	34600
R390-020C5-11M095	20.00	10.0	5.50	1.0	3	3		50.00	95.00	40.00	1.2	34600
R390-020C6-11M110	20.00	10.0	5.50	1.0	3	3		63.00	110.00	40.00	1.2	34600
R390-025C3-11M050	25.00	10.0	5.00	1.0	3	3		32.00	50.00	32.00	1.2	36500
R390-025C4-11L	25.00	10.0	5.00	1.0	3	2		40.00	55.00	32.00	1.2	36500
R390-025C4-11M	25.00	10.0	5.00	1.0	3	3		40.00	55.00	32.00	1.2	36500
R390-025C5-11M095	25.00	10.0	5.00	1.0	3	3		50.00	95.00	45.00	1.2	36500
R390-025C6-11M110	25.00	10.0	5.00	1.0	3	3		63.00	110.00	45.00	1.2	36500
R390-032C3-11L050	32.00	10.0	3.60	1.0	3		2	32.00	50.00	35.00	1.2	31000
R390-032C3-11M050	32.00	10.0	3.60	1.0	3		3	32.00	50.00	35.00	1.2	31000
R390-032C4-11M	32.00	10.0	3.60	1.0	3		3	40.00	65.00	40.00	1.2	31000
R390-032C5-11M	32.00	10.0	3.60	1.0	3		3	50.00	65.00	40.00	1.2	31000
R390-032C5-11M095	32.00	10.0	3.60	1.0	3		3	50.00	95.00	50.00	1.2	31000
R390-032C6-11M080	32.00	10.0	3.60	1.0	3	3		63.00	80.00	40.00	1.2	31000
R390-032C6-11M110	32.00	10.0	3.60	1.0	3		3	63.00	110.00	50.00	1.2	31000
R390-036C3-11M050	36.00	10.0	2.60	1.0	3	3		32.00	50.00		1.2	29000
R390-036C3-11M075	36.00	10.0	2.60	1.0	3	3		32.00	75.00		1.2	29000
R390-040C4-11H	40.00	10.0	2.00	1.0	3		6	40.00	70.00	50.00	1.2	27000
R390-040C4-11M	40.00	10.0	2.00	1.0	3		4	40.00	70.00	70.00	1.2	27000
R390-040C4-18M060	40.00	15.4	6.80	0.0	3	3		40.00	60.00	40.00	3.0	9200
R390-040C5-11H	40.00	10.0	2.00	1.0	3		6	50.00	75.00	50.00	1.2	27000
R390-040C5-11M	40.00	10.0	2.00	1.0	3		4	50.00	75.00	50.00	1.2	27000
R390-040C5-18M080	40.00	15.4	6.80	0.0	3	3		50.00	80.00	40.00	3.0	9200
R390-040C6-11M080	40.00	10.0	2.00	1.0	3	4		63.00	80.00	40.00	1.2	27000
R390-040C6-18M100	40.00	15.4	6.80	0.0	3	3		63.00	100.00	50.00	3.0	9200
R390-044C4-11M060	44.00	10.0	1.80	1.0	3	4		40.00	60.00		1.2	25600
R390-044C4-11M075	44.00	10.0	1.80	1.0	3	4		40.00	75.00		1.2	25600
R390-044C4-18M060	44.00	15.4	6.00	0.0	3	3		40.00	60.00		3.0	8600
R390-044C4-18M080	44.00	15.4	6.00	0.0	3	3		40.00	80.00		3.0	8600
R390-050C5-11M060	50.00	10.0	1.50	1.0	3	5		50.00	60.00	40.00	1.2	23700

R = Right hand. L = Left hand



CoroMill® 390, cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]
90.0

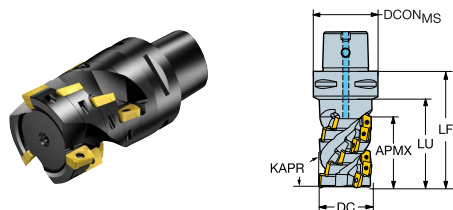
Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-050C5-18M060	50.00	15.4	5.50	0.0	3	4		50.00	60.00	40.00	3.0	7900
R390-050C6-11M080	50.00	10.0	1.50	1.0	3	5		63.00	80.00	40.00	1.2	23700
R390-050C6-18M080	50.00	15.4	5.50	0.0	3	4		63.00	80.00	40.00	3.0	7900
R390-054C5-11M060	54.00	10.0	1.40	1.0	3	5		50.00	60.00		1.2	22700
R390-054C5-11M080	54.00	10.0	1.40	1.0	3	5		50.00	80.00		1.2	22700
R390-054C5-18M060	54.00	15.4	5.00	0.0	3	4		50.00	60.00		3.0	7500
R390-054C5-18M080	54.00	15.4	5.00	0.0	3	4		50.00	80.00		3.0	7500
R390-063C5-11M060	63.00	10.0	1.20	1.0	3	6		50.00	60.00		1.2	20700
R390-063C5-18M060	63.00	15.4	4.00	0.0	3	5		50.00	60.00		3.0	6800
R390-063C6-11M080	63.00	10.0	1.20	1.0	3	6		63.00	80.00	40.00	1.2	20700
R390-063C6-18M060	63.00	15.4	4.00	0.0	3	5		63.00	60.00	38.00	3.0	6800
R390-066C6-11M060	66.00	10.0	1.10	1.0	3	6		63.00	60.00		1.2	20200
R390-066C6-11M080	66.00	10.0	1.10	1.0	3	6		63.00	80.00		1.2	20200
R390-066C6-18M060	66.00	15.4	3.70	0.0	3	5		63.00	60.00		3.0	6700
R390-066C6-18M080	66.00	15.4	3.70	0.0	3	5		63.00	80.00		3.0	6700
R390-080C6-11M060	80.00	10.0	0.90	1.0	3	7		63.00	60.00		1.2	18200
R390-080C6-11M080	80.00	10.0	0.90	1.0	3	7		63.00	80.00		1.2	18200
R390-080C6-18M060	80.00	15.4	3.10	0.0	3	6		63.00	60.00		3.0	5900
R390-084C8-18M070	84.00	15.4	2.80	0.0	3	6		80.00	70.00		3.0	5800
R390-084C8-18M100	84.00	15.4	2.80	0.0	3	6		80.00	100.00		3.0	5800
R390-044C4T-11H	44.00	10.0	1.80	1.0	3	4		40.00	35.00		1.2	25600
R390-044C4T-17M	44.00	15.7	3.40	1.5	3	4		40.00	35.00		3.0	20600
R390-054C5T-11H	54.00	10.0	1.40	1.0	3	5		50.00	35.00		1.2	22700
R390-054C5T-17M	54.00	15.7	2.40	1.5	3	5		50.00	35.00		3.0	18200

R = Right hand, L = Left hand

CoroMill® 390, long edge cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]
90.0

Metric (mm)

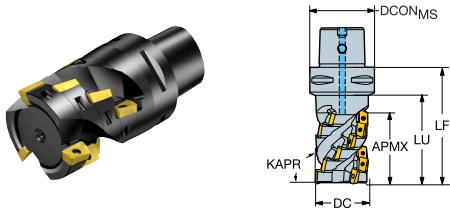
Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-032C5-36L	32.00	36.0	3	8		50.00	71.70	46.00	1.2	21700
R390-032C5-36M	32.00	36.0	3		12	50.00	71.70	45.00	1.2	21700
R390-032C5-54L	32.00	54.0	3	12		50.00	89.40	63.00	1.2	21700
R390-032C5-54M	32.00	54.0	3		18	50.00	89.40	63.00	1.2	21700
R390-032C6-45M	32.00	45.0	3		15	63.00	82.50	54.00	1.2	21700
R390-032C6-63L	32.00	63.0	3	14		63.00	100.20	72.00	1.2	21700
R390-036C3-36L	36.00	36.0	3	8		32.00	66.70	66.00	1.2	20200
R390-036C3-36M	36.00	36.0	3		12	32.00	66.70	66.00	1.2	20200
R390-040C5-54H	40.00	54.0	3		24	50.00	89.40	63.00	1.2	18900
R390-040C5-54M	40.00	54.0	3		18	50.00	89.40	63.00	1.2	18900
R390-040C6-63H	40.00	63.0	3		28	63.00	100.20	72.00	1.2	18900
R390-040C6-63M	40.00	63.0	3		21	63.00	100.20	72.00	1.2	18900
R390-044C4-43L	44.00	43.0	3	6		40.00	78.60		3.0	8600
R390-044C4-45M	44.00	45.0	3		15	40.00	80.50		1.2	17800
R390-044C5-43L	44.00	43.0	3	6		50.00	78.60	53.00	3.0	9200
R390-044C5-57L	44.00	57.0	3		8	50.00	92.60	67.00	3.0	9200
R390-044C6-57L	44.00	57.0	3	8		63.00	94.60	67.00	3.0	9200
R390-050C5-36H	50.00	36.0	3	20		50.00	71.70	50.00	1.2	16600
R390-050C5-36L	50.00	36.0	3		12	50.00	71.70	50.00	1.2	16600
R390-050C5-36M	50.00	36.0	3		16	50.00	71.70	50.00	1.2	16600
R390-050C5-43L	50.00	43.0	3	6		50.00	78.60	53.00	3.0	7900
R390-050C5-54L	50.00	54.0	3		18	50.00	89.40	67.00	1.2	16600
R390-050C5-54M	50.00	54.0	3		24	50.00	89.40	67.00	1.2	16600
R390-050C6-43M	50.00	43.0	3		9	63.00	80.60	53.00	3.0	7900
R390-050C6-63H	50.00	63.0	3	35		63.00	100.20	72.00	1.2	16600
R390-050C6-63M	50.00	63.0	3		28	63.00	100.20	72.00	1.2	16600
R390-050C6-71L	50.00	71.0	3	10		63.00	108.70	81.00	3.0	7900
R390-050C6-71M	50.00	71.0	3	15		63.00	108.70	81.00	3.0	7900
R390-050C8-57M	50.00	57.0	3		12	80.00	102.60	67.00	3.0	7900
R390-054C5-43M	54.00	43.0	3		9	50.00	78.60		3.0	7500
R390-054C5-54M	54.00	54.0	3		24	50.00	89.40		1.2	8800
R390-063C6-43M	63.00	43.0	3		12	63.00	80.60	53.00	3.0	6800
R390-063C6-57L	63.00	57.0	3		12	63.00	94.60	67.00	3.0	6800
R390-063C8-57M	63.00	57.0	3		16	80.00	102.60	67.00	3.0	6800

R = Right hand. L = Left hand



CoroMill® 390, long edge cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]
90.0

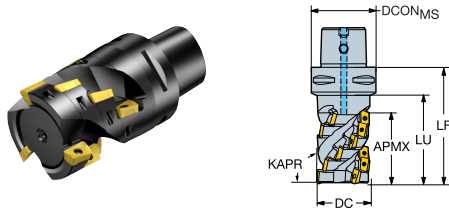
Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-063C8-85L	63.00	85.0	3		18	80.00	130.70	95.00	3.0	6800
R390-066C6-45M	66.00	45.0	3		20	63.00	82.50		1.2	13900
R390-066C6-57L	66.00	57.0	3		12	63.00	94.60		3.0	6700
R390-080C8-57H	80.00	57.0	3	20		80.00	102.60	67.00	3.0	5900
R390-080C8-71L	80.00	71.0	3		15	80.00	116.70	81.00	3.0	5900
R390-084C8-57M	84.00	57.0	3		16	80.00	102.60		3.0	5800
R390-100C8-57H	100.00	57.0	3	24		80.00	102.60		3.0	5200
R390-100C8-57M	100.00	57.0	3		16	80.00	102.60		3.0	5200
R390-100C8-71M	100.00	71.0	3		20	80.00	116.70		3.0	5200

R = Right hand, L = Left hand

CoroMill® 390, long edge cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Imperial (inch)

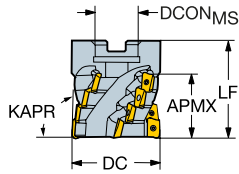
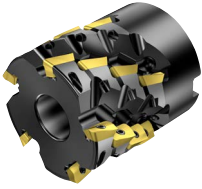
Ordering code	DC [inch]	APMX [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
RA390-032C5-36M	1.250	1.420	3		12	1.969	2.820	1.810	0.9	21700
RA390-032C5-54L	1.250	2.130	3	12		1.969	3.517	2.480	0.9	21700
RA390-032C5-54M	1.250	2.130	3		18	1.969	3.517	2.480	0.9	21700
RA390-032C6-45M	1.250	1.770	3	15		2.480	3.247	2.130	0.9	21700
RA390-032C6-63L	1.250	2.480	3	14		2.480	3.944	2.480	0.9	21700
RA390-038C5-63H	1.500	2.480	3		28	1.969	3.865	2.840	0.9	19500
RA390-038C5-63M	1.500	2.480	3		21	1.969	3.865	2.840	0.9	19500
RA390-038C6-45M	1.500	1.770	3		15	2.480	3.247	2.130	0.9	19500
RA390-038C6-63M	1.500	2.480	3		21	2.480	3.944	2.840	0.9	19500
RA390-038C6-80L	1.500	3.150	3		18	2.480	4.641	3.550	0.9	19500
RA390-038C6-80M	1.500	3.150	3		27	2.480	4.641	3.550	0.9	19500
RA390-051C5-43L	2.000	1.720	3	6		1.969	3.093		2.2	7800
RA390-051C5-43M	2.000	1.720	3		9	1.969	3.093		2.2	7800
RA390-051C5-45H	2.000	1.770	3		25	1.969	3.168		0.9	16600
RA390-051C5-45M	2.000	1.770	3		20	1.969	3.168		0.9	16600
RA390-051C5-63L	2.000	2.480	3		21	1.969	3.865		0.9	16600
RA390-051C5-63M	2.000	2.480	3		28	1.969	3.865		0.9	16600
RA390-051C6-43M	2.000	1.720	3		9	2.480	3.172	2.110	2.2	7800
RA390-051C6-71L	2.000	2.820	3		10	2.480	4.278	3.210	2.2	7800
RA390-051C6-98L	2.000	3.500	3		33	2.480	5.338	4.250	0.9	16600
RA390-051C6-99L	2.000	3.930	3		14	2.480	5.384	4.320	2.2	7800
RA390-051C8-57M	2.000	2.270	3		12	3.150	4.040	2.660	2.2	7800
RA390-063C6-43M	2.500	1.720	3		12	2.480	3.172		2.2	6800
RA390-063C6-57L	2.500	2.270	3		12	2.480	3.725		2.2	6800
RA390-063C6-57M	2.500	2.270	3		16	2.480	3.725		2.2	6800
RA390-063C6-71L	2.500	2.820	3		15	2.480	4.278		2.2	6800
RA390-063C6-71M	2.500	2.820	3		20	2.480	4.278		2.2	6800
RA390-063C6-99L	2.500	3.930	3		21	2.480	5.384		2.2	6800
RA390-076C8-71L	3.000	2.820	3		15	3.150	4.593	3.210	2.2	6100

R = Right hand, L = Left hand



CoroMill® 390, long edge cutter for square shoulder milling

Arbor shank - External coolant supply



Common data values

KAPR
[deg]
90.0

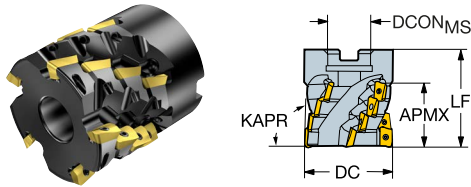
Metric (mm)

Ordering code	DC [mm]	APMX [mm]			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET	DBC [mm]
R390-040Q16-36H	40.00	36.0	16		16.00	56.70	1.2	18900	A	
R390-040Q16-36M	40.00	36.0		12	16.00	56.70	1.2	18900	A	
R390-044Q16-43L	44.00	43.0	6		16.00	68.60	3.0	8600	A	
R390-044Q16-45M	44.00	45.0		15	16.00	65.50	1.2	17800	A	
R390-050Q22-36H	50.00	36.0	20		22.00	56.70	1.2	16600	A	
R390-050Q22-36M	50.00	36.0		16	22.00	56.70	1.2	16600	A	
R390-050Q22-54L	50.00	54.0		18	22.00	74.40	1.2	16600	A	
R390-050Q22-57L	50.00	57.0		8	22.00	82.60	3.0	7900	A	
R390-054Q22-36M	54.00	36.0		16	22.00	56.70	1.2	16000	A	
R390-054Q22-57L	54.00	57.0	8		22.00	82.60	3.0	7500	A	
R390-063Q27-57L	63.00	57.0		12	27.00	82.60	3.0	6800	A	
R390-080Q32-71L	80.00	71.0		15	32.00	96.70	3.0	5900	A	
R390-100Q40-57M	100.00	57.0		16	40.00	82.60	3.0	5200	B	
R390-125Q40-43L	125.00	43.0	18		40.00	68.60	3.0	4600	B	
R390-160Q40-43L	160.00	43.0	24		40.00	68.60	3.0	4000	C	66.7
R390-200Q60-43L	200.00	43.0	27		60.00	68.60	3.0	3600	C	101.6

R = Right hand, L = Left hand

CoroMill® 390, long edge cutter for square shoulder milling

Arbor shank - External coolant supply



Common data values

KAPR
[deg]

90.0

Imperial (inch)

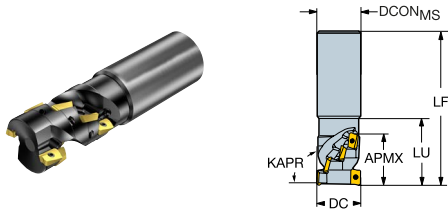
Ordering code	DC [inch]	APMX [inch]			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
RA390-051R19-36H	2.000	1.420	20		0.750	2.229	0.9	16600	A
RA390-051R19-36M	2.000	1.420		16	0.750	2.229	0.9	16600	A
RA390-051R19-43M	2.000	1.720		9	0.750	2.699	2.2	7800	A
RA390-051R19-54M	2.000	2.130		18	0.750	2.926	0.9	16600	A
RA390-051R19-57M	2.000	2.270		12	0.750	3.252	2.2	7800	A
RA390-063R19-43M	2.500	1.720		12	0.750	2.699	2.2	6800	A
RA390-063R25-43M	2.500	1.720		12	1.000	2.699	2.2	6800	B
RA390-063R25-57L	2.500	2.270		12	1.000	3.252	2.2	6800	B
RA390-076R32-43H	3.000	1.720		12	1.250	2.699	2.2	6100	B
RA390-102R38-57H	4.000	2.270		24	1.500	3.252	2.2	5200	B
RA390-102R38-57M	4.000	2.270		16	1.500	3.252	2.2	5200	B

R = Right hand. L = Left hand



CoroMill® 390, long edge cutter for square shoulder milling

Cylindrical shank - External coolant supply



Common data values

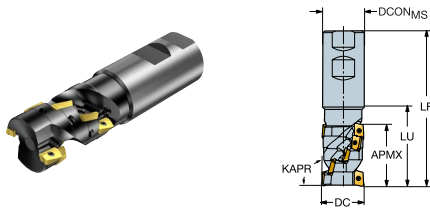
KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-032A25-36L	32.00	36.0	8		25.00	108.70		1.2	21700
R390-032A32-36L	32.00	36.0	8		32.00	112.70	48.00	1.2	21700
R390-040A40-45M	40.00	45.0		15	40.00	131.50	58.00	1.2	18900

R = Right hand, L = Left hand

Weldon shank - External coolant supply



Common data values

KAPR
[deg]
90.0

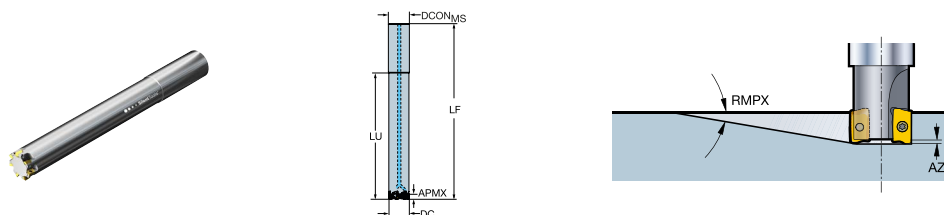
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]			DCON _{MS} [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]	STDLET
RA390-032M32-45L	1.250	1.770	10		1.250	4.663	2.259	0.9	21700	WE
RA390-038M38-54L	1.500	2.130	12		1.500	5.418	2.633	0.9	19500	WE
RA390-038M38-54M	1.500	2.130		18	1.500	5.418	2.633	0.9	19500	WE

R = Right hand, L = Left hand

CoroMill® 390, Silent Tools™ cutter for square shoulder milling

Cylindrical shank - Internal coolant supply



Common data values

KAPR

[deg]

90.0

Metric (mm)

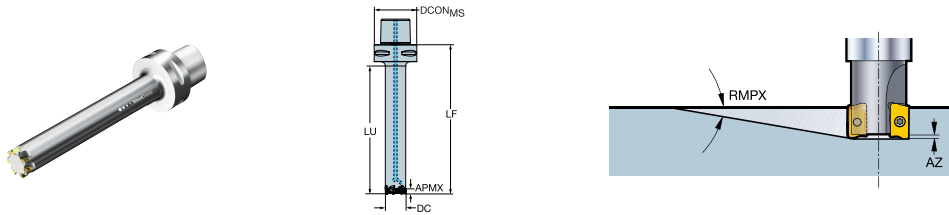
Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-020A20D-07H	20.00	5.8	2.10	0.5	1	5	20.00	173.00	120.00	0.5	32500
R390-020A20D-11L	20.00	10.0	5.50	1.0	1	2	20.00	171.00	120.00	1.2	32500
R390-025A25D-07H	25.00	5.8	1.50	0.5	1	7	25.00	208.00	150.00	0.5	24000
R390-025A25D-11L	25.00	10.0	5.00	1.0	1	2	25.00	208.00	150.00	1.2	24000
R390-032A32D-07H	32.00	5.8	1.00	0.5	1	8	32.00	254.00	192.00	0.5	15000
R390-032A32D-11L	32.00	10.0	3.60	1.0	1	2	32.00	254.00	192.00	1.2	15000

R = Right hand, L = Left hand



CoroMill® 390, Silent Tools™ cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

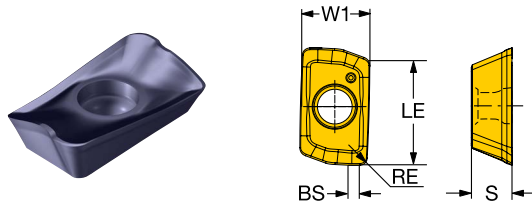
KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	RMPX [deg]	AZ [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R390-020C5D-07H145	20.00	5.8	2.10	0.5	3	5	50.00	145.00	120.00	0.5	20000
R390-020C5D-11L145	20.00	10.0	5.50	1.0	3	2	50.00	145.00	120.00	1.2	20000
R390-020C6D-07H147	20.00	5.8	2.10	0.5	3	5	63.00	147.00	120.00	0.5	20000
R390-020C6D-11L147	20.00	10.0	5.50	1.0	3	2	63.00	147.00	120.00	1.2	20000
R390-025C5D-07H175	25.00	5.8	1.50	0.5	3	7	50.00	175.00	150.00	0.5	24000
R390-025C5D-11L175	25.00	10.0	5.00	1.0	3	2	50.00	175.00	150.00	1.2	24000
R390-025C6D-07H177	25.00	5.8	1.50	0.5	3	7	63.00	177.00	150.00	0.5	24000
R390-025C6D-11L177	25.00	10.0	5.00	1.0	3	2	63.00	177.00	150.00	1.2	24000
R390-032C5D-07H217	32.00	5.8	1.00	0.5	3	8	50.00	217.00	192.00	0.5	15000
R390-032C5D-11L217	32.00	10.0	3.60	1.0	3	2	50.00	217.00	192.00	1.2	15000
R390-032C6D-07H219	32.00	5.8	1.00	0.5	3	8	63.00	219.00	192.00	0.5	15000
R390-032C6D-11L219	32.00	10.0	3.60	1.0	3	2	63.00	219.00	192.00	1.2	15000

R = Right hand, L = Left hand

CoroMill® 390, insert for milling



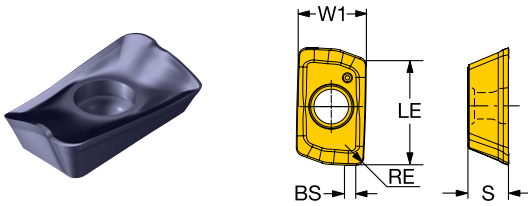
Metric (mm)

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		Ordering code																		SSC	S	BS	RE	W1	LE	APMX					
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Light	PL	R390-11 T3 04E-PL				●		●	○	○								○		○		○		11	3.59	0.9	0.4	6.8	10.0	10.0	
		R390-11 T3 08E-PL	○				●	○			○	○		●				○		○			○	○	11	3.59	1.5	0.8	6.8	10.0	10.0
		R390-11 T3 08M-PL	○	○	○	○	●	○	●	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	11	3.59	1.2	0.8	6.8	10.0	10.0
		R390-17 04 08E-PL	○	○			●	○				○	○		●	○			○		○		○	○	17	4.76	1.5	0.8	9.6	15.7	15.7
		R390-17 04 08M-PL	○	○	○	○	●	○	●	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	17	4.76	1.5	0.8	9.6	15.7	16.0
		P					S			H		K			M					N											

● = First choice ○ = Good choice



CoroMill® 390, insert for milling

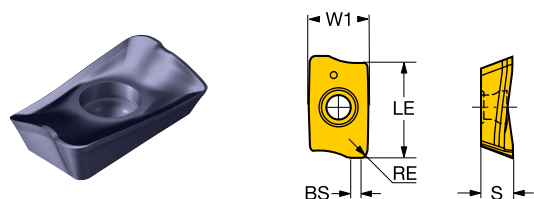


Metric (mm)

		P						S			H			K				M					N												
		Ordering code						530	4340	4220	4330	1230	1010	S30T	S40T	1230	530	4220	1010	4340	4220	4330	1010	530	S30T	4340	S40T	1230	530	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]
Medium PM	R390-11 T3 02E-PM		○			●				○				○					○							○		○	11	3.59	0.7	0.2	6.8	10.0	10.0
	R390-11 T3 04M-PM	○	○	○		●				○	○	●		○	○			○		○		○		○	○	○	○	○	11	3.59	0.9	0.4	6.8	10.0	10.0
	R390-11 T3 08M-PM	○	○	○	○	●	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	11	3.59	1.2	0.8	6.8	10.0	10.0
	R390-11 T3 12E-PM		○			●	○	●	○	○			○	○		○		○	○	○	○				○		○	11	3.59	0.8	1.2	6.8	10.0	10.0	
	R390-11 T3 16E-PM		○			●	○			○			○	○		○			○		○		○			○		11	3.59	0.4	1.6	6.8	10.0	10.0	
	R390-11 T3 16M-PM		○	○		●	○	●	○	○		○	○	○	○	○			○	○	○	○				○		11	3.59	0.4	1.6	6.8	10.0	10.0	
	R390-11 T3 20E-PM		○			●	○	●	○	○			○	○		○			○	○	○	○				○		11	3.59		2.0	6.8	10.0	10.0	
	R390-11 T3 24E-PM		○			●				○				○						○		○				○		11	3.59		2.4	6.8	10.0	10.0	
	R390-11 T3 31E-PM		○			●	○			○			○	○		○				○		○				○		11	3.59		3.1	6.8	10.0	10.0	
	R390-11 T3 31M-PM		○	○		●	○	●	○	○		○	○	○	○	○			○	○	○	○				○		11	3.59		3.1	6.8	10.0	10.0	
	R390-17 04 04E-PM		○			●		●	○	○				○						○	○	○	○				○		17	4.76	1.0	0.4	9.6	15.7	15.7
	R390-17 04 04M-PM	○	○	○		●				○	○	●		○	○			○		○		○		○	○	○	○	○	17	4.76	1.0	0.4	9.6	15.7	15.7
	R390-17 04 08M-PM	○	○	○	○	●	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	17	4.76	1.5	0.8	9.6	15.7	16.0
	R390-17 04 12E-PM		○			●	○	●	○	○			○	○		○				○	○	○	○				○		17	4.76	1.1	1.2	9.6	15.7	15.7
	R390-17 04 16E-PM		○			●	○	●	○	○			○	○		○				○	○	○	○				○		17	4.76	0.7	1.6	9.6	15.7	15.7
	R390-17 04 16M-PM		○	○		●		●	○	○		○		○	○					○	○	○	○				○		17	4.76	0.7	1.6	9.6	15.7	15.7
	R390-17 04 20E-PM		○			●	○	●	○	○			○	○		○				○	○	○	○				○		17	4.76	0.3	2.0	9.6	15.7	15.7
	R390-17 04 24E-PM		○			●	○	●	○	○			○	○		○				○	○	○	○				○		17	4.76		2.4	9.6	15.7	15.7
	R390-17 04 31E-PM		○			●	○	●	○	○			○	○		○				○	○	○	○				○		17	4.76		3.1	9.6	15.7	15.7
	R390-17 04 31M-PM		○	○		●		●	○	○		○		○	○					○	○	○	○				○		17	4.76		3.1	9.6	15.7	15.7
	R390-17 04 40E-PM		○			●	○	●	○	○			○	○		○				○	○	○	○				○		17	4.76		4.0	9.6	15.7	15.0
	R390-17 04 48E-PM					●		●	○	○										○		○	○				○		17	4.76		4.8	9.6	15.7	15.0
	R390-17 04 50E-PM		○			●	○	●	○	○			○	○		○				○	○	○	○				○		17	4.76		5.0	9.6	15.7	15.0
	R390-17 04 60E-PM		○			●	○	●	○	○			○	○		○				○	○	○	○				○		17	4.76		6.0	9.6	15.7	15.0
	R390-17 04 64E-PM		○			●	○	●	○	○			○	○		○				○	○	○	○				○		17	4.76		6.3	9.6	15.7	15.0

● = First choice ○ = Good choice

CoroMill® 390, insert for milling



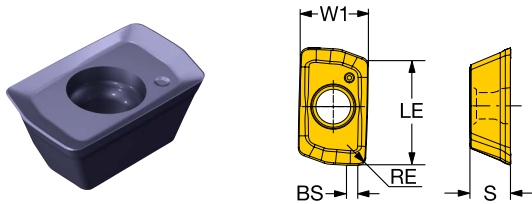
Metric (mm)

		P				S			H	K			M												
		Ordering code																							
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Heavy PH	R390-11 T3 10M-PH	●	○	○	○	●	○	○	●	○	○	○	○	○	○	○	11	3.59	1.0	1.0	6.8	10.0	10.0	90.00	Right
	R390-17 04 08M-PH	●	○						●	○	○			○			17	4.76	1.5	0.8	9.6	15.7	16.0	90.00	Right
	R390-17 04 16M-PH	●		○						○		○		○			17	4.76	1.5	1.6	9.6	15.7	15.7	90.00	Right

● = First choice ○ = Good choice



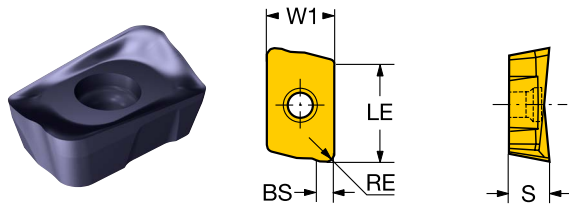
CoroMill® 390, insert for square shoulder milling



Metric (mm)

		P				S	K	M											

CoroMill® 390, insert for milling



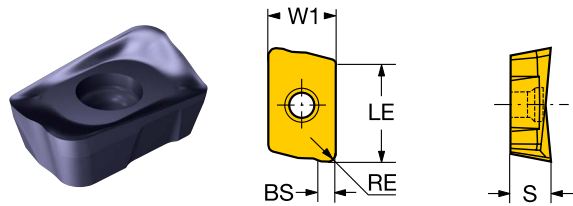
Metric (mm)

			P				S				H	K				M														
Ordering code			4340	4330	4220	1010	1230	S30T	S40T	1230	4220	1010	4340	4330	4220	1010	S30T	4340	S40T	1230	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND	
Light	PL	R390-18 06 08H-PL	○	○		○	●	●	○	○		●	○	○		○	○	○	○	○	○	18	6.33	1.0	0.8	11.0	15.4	16.0	90.00	Right
		R390-18 06 12H-PL	○	○	○	○	●	●	○	○	○	●	○	○	○	○	○	○	○	○	○	18	6.33	1.0	1.2	11.0	15.4	16.0	90.00	Right
		R390-18 06 16H-PL	○				●			○			○					○		○	○	18	6.33	1.0	1.6	11.0	15.4	16.0	90.00	Right
		R390-18 06 20H-PL					●			○											○	18	6.33	1.0	2.0	11.0	15.4	16.0	90.00	Right
		R390-18 06 24H-PL					●			○											○	18	6.33	1.0	2.4	11.0	15.4	16.0	90.00	Right
		R390-18 06 31H-PL					●			○											○	18	6.33	1.0	3.1	11.0	15.4	16.0	90.00	Right
		R390-18 06 40H-PL					●			○											○	18	6.33	1.0	4.0	11.0	15.4	16.0	90.00	Right
		R390-18 06 50H-PL				○	●			○		●				○					○	18	6.33	1.0	5.0	11.0	15.4	16.0	90.00	Right
		R390-18 06 60H-PL				○	●			○		●				○					○	18	6.33	1.0	6.0	11.0	15.4	16.0	90.00	Right
		R390-18 06 64H-PL				○	●			○		●				○					○	18	6.33	1.0	6.4	11.0	15.4	16.0	90.00	Right
			P				S				H	K				M														

● = First choice ○ = Good choice



CoroMill® 390, insert for milling

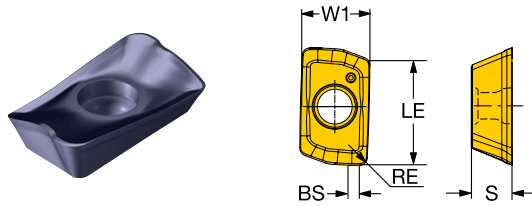


Metric (mm)

		P					S			H		K				M																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Ordering code																	4340	4220	4330	1230	1010	S30T	S40T	1230	4220	1010	4340	4220	4330	1010	S30T	4340	S40T	1230	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Medium	PM	R390-18 06 08M-PM	○	○	○	●			○	●		○	○	○			○		○	18	6.33	1.1	0.8	11.0	15.4	16.0	90.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		R390-18 06 12M-PM	○	○	○	●	○	●	○	○	○	●	○	○	○	○	○	○	○	18	6.33	1.1	1.2	11.0	15.4	16.0	90.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		R390-18 06 16M-PM	○	○	○	●		●	○	○	●		○	○	○		○	○	○	18	6.33	1.1	1.6	11.0	15.4	16.0	90.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		R390-18 06 20M-PM	○	○	○	●				○	●		○	○	○			○		○	18	6.33	0.5	2.0	11.0	15.4	16.0	90.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		R390-18 06 31M-PM	○	○	○	●		●	○	○	●		○	○	○		○	○	○	18	6.33	0.5	3.1	11.0	15.4	16.0	90.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	PMR	R390-18 06 12M-PMR	○		○	●		●	○	○			○		○		○	○	○	18	6.33	0.3	1.2	11.0	15.4	17.0	90.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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● = First choice ○ = Good choice

CoroMill® 390, insert for milling



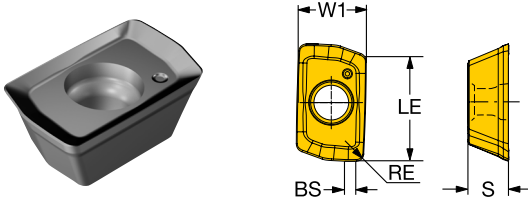
Metric (mm)

		P				S				M													
Ordering code		1040	2030	2040	S30T	S40T	1040	2030	2040	S30T	S40T	1040	2030	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light ML	390R-070202E-ML	○					○					●			07	2.40	0.7	0.2	4.1	5.9	5.8	90.00	Right
	390R-070204E-ML	○			●		○			○		●			07	2.40	0.7	0.4	4.1	5.9	5.8	90.00	Right
	390R-070208E-ML	○			●		○			○		●			07	2.40	0.7	0.8	4.1	5.9	5.8	90.00	Right
	390R-070212E-ML	○					○					●			07	2.40	0.7	1.2	4.1	5.9	5.8	90.00	Right
	390R-070216E-ML	○					○					●			07	2.40	0.2	1.6	4.1	5.9	5.8	90.00	Right
	R390-11 T3 08E-ML	○	○	○	●	○	○	○	○	○	○	●	○	○	11	3.59	1.5	0.8	6.8	10.0	10.0	90.00	Right
	R390-11 T3 16E-ML	○		○	●	○	○		○	○	○	●		○	11	3.59	0.8	1.6	6.8	10.0	10.0	90.00	Right
	R390-11 T3 24E-ML	○		○	●	○	○		○	○	○	●		○	11	3.59		2.4	6.8	10.0	10.0	90.00	Right
	R390-11 T3 31E-ML	○	○	○	●	○	○	○	○	○	○	●	○	○	11	3.59		3.1	6.8	10.0	10.0	90.00	Right
	R390-17 04 08E-ML	○	○	○	●	○	○	○	○	○	○	●	○	○	17	4.76	1.5	0.8	9.6	15.7	15.7	90.00	Right
	R390-18 06 08H-ML	○	○	○			○	●	○			●	○	○	18	6.33	1.0	0.8	11.0	15.4	16.0	90.00	Right
	R390-18 06 12H-ML	○		○			○		●			●		○	18	6.33	1.0	1.2	11.0	15.4	16.0	90.00	Right
	R390-18 06 16H-ML	○		○			○		●			●		○	18	6.33	1.0	1.6	11.0	15.4	16.0	90.00	Right
	R390-18 06 20H-ML	○		○			○		●			●		○	18	6.33	1.0	2.0	11.0	15.4	16.0	90.00	Right
	R390-18 06 24H-ML	○		○			○		●			●		○	18	6.33	1.0	2.4	11.0	15.4	16.0	90.00	Right
	R390-18 06 31H-ML	○	○	○			○	●	○			●	○	○	18	6.33	1.0	3.1	11.0	15.4	16.0	90.00	Right
	R390-18 06 40H-ML	○		○			○		●			●		○	18	6.33	1.0	4.0	11.0	15.4	16.0	90.00	Right
	R390-18 06 50H-ML	○	○	○			○	●	○			●	○	○	18	6.33	1.0	5.0	11.0	15.4	16.0	90.00	Right
	R390-18 06 60H-ML	○		○			○		●			●		○	18	6.33	1.0	6.0	11.0	15.4	16.0	90.00	Right
	R390-18 06 64H-ML	○		○			○		●			●		○	18	6.33	1.0	6.4	11.0	15.4	16.0	90.00	Right

● = First choice ○ = Good choice



CoroMill® 390, insert for milling

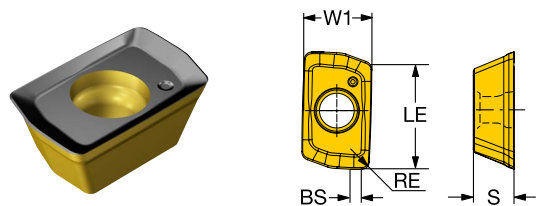


Metric (mm)

		P			S			M										
Ordering code		1040	2030	S30T	1040	2030	S30T	1040	2030	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Medium MM	390R-070204E-MM	○		●	○		○	●		07	2.40	0.7	0.4	4.1	5.9	5.8	90.00	Right
	390R-070208E-MM	○		●	○		○	●		07	2.40	0.7	0.8	4.1	5.9	5.8	90.00	Right
	R390-11 T3 02E-MM	○	○		○	●		●	○	11	3.59	0.7	0.2	6.8	10.0	10.0	90.00	Right
	R390-11 T3 12E-MM	○	○		○	●		●	○	11	3.59	0.8	1.2	6.8	10.0	10.0	90.00	Right
	R390-11 T3 16E-MM	○	○		○	●		●	○	11	3.59	0.4	1.6	6.8	10.0	10.0	90.00	Right
	R390-11 T3 20E-MM	○	○		○	●		●	○	11	3.59		2.0	6.8	10.0	10.0	90.00	Right
	R390-11 T3 24E-MM	○	○		○	●		●	○	11	3.59		2.4	6.8	10.0	10.0	90.00	Right
	R390-11 T3 31E-MM	○	○		○	●		●	○	11	3.59		3.1	6.8	10.0	10.0	90.00	Right
	R390-17 04 04E-MM	○	○		○	●		●	○	17	4.76	1.0	0.4	9.6	15.7	15.7	90.00	Right
	R390-17 04 12E-MM	○	○		○	●		●	○	17	4.76	1.1	1.2	9.6	15.7	15.7	90.00	Right
	R390-17 04 16E-MM	○	○		○	●		●	○	17	4.76	0.7	1.6	9.6	15.7	15.7	90.00	Right
	R390-17 04 20E-MM	○	○		○	●		●	○	17	4.76	0.3	2.0	9.6	15.7	15.7	90.00	Right
	R390-17 04 24E-MM	○	○		○	●		●	○	17	4.76		2.4	9.6	15.7	15.7	90.00	Right
	R390-17 04 31E-MM	○	○		○	●		●	○	17	4.76		3.1	9.6	15.7	15.7	90.00	Right
	R390-17 04 40E-MM	○	○		○	●		●	○	17	4.76		4.0	9.6	15.7	15.0	90.00	Right
	R390-17 04 48E-MM	○	○		○	●		●	○	17	4.76		4.8	9.6	15.7	15.0	90.00	Right
	R390-17 04 50E-MM	○	○		○	●		●	○	17	4.76		5.0	9.6	15.7	15.0	90.00	Right
	R390-17 04 60E-MM	○	○		○	●		●	○	17	4.76		6.0	9.6	15.7	15.0	90.00	Right
	R390-17 04 64E-MM	○	○		○	●		●	○	17	4.76		6.3	9.6	15.7	15.0	90.00	Right

● = First choice ○ = Good choice

CoroMill® 390, insert for milling

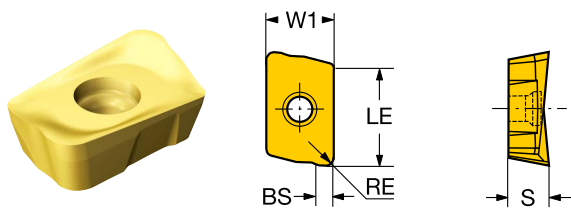


Metric (mm)

		P			S				M														
Ordering code		1040	2030	2040	S30T	S40T	1040	2030	2040	S30T	S40T	1040	2030	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Medium MM	390R-070202M-MM	○					○					●			07	2.40	0.7	0.2	4.1	5.9	5.8	90.00	Right
	390R-070204M-MM	○			●		○			○		●			07	2.40	0.7	0.4	4.1	5.9	5.8	90.00	Right
	390R-070208M-MM	○			●		○			○		●			07	2.40	0.7	0.8	4.1	5.9	5.8	90.00	Right
	390R-070212M-MM	○			●		○			○		●			07	2.40	0.7	1.2	4.1	5.9	5.8	90.00	Right
	390R-070216M-MM	○			●		○			○		●			07	2.40	0.2	1.6	4.1	5.9	5.8	90.00	Right
	R390-11 T3 08M-MM	○	○	○	●	○	○	○	○	○	○	●	○	○	11	3.59	1.2	0.8	6.8	10.0	10.0	90.00	Right
	R390-17 04 08M-MM	○	○	○	●	○	○	○	○	○	○	●	○	○	17	4.76	1.5	0.8	9.6	15.7	15.7	90.00	Right

● = First choice ○ = Good choice

CoroMill® 390, insert for milling

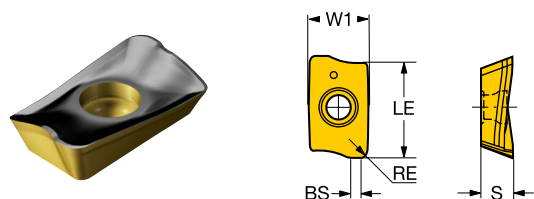


Metric (mm)

		P			S			M														
		Ordering code			1040	2030	2040	1040	2030	2040	1040	2030	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Medium	MM	R390-18 06 08M-MM	○		○	○		●	●		○	18	6.33	1.1	0.8	11.0	15.4	16.0	90.00	Right		
		R390-18 06 12M-MM	○	○	○	○	●	○	●	○	○	18	6.33	1.1	1.2	11.0	15.4	16.0	90.00	Right		
		R390-18 06 16M-MM	○		○	○		●	●		○	18	6.33	1.1	1.6	11.0	15.4	16.0	90.00	Right		
		R390-18 06 20M-MM	○		○	○		●	●		○	18	6.33	0.5	2.0	11.0	15.4	16.0	90.00	Right		
		R390-18 06 31M-MM	○		○	○		●	●		○	18	6.33	0.5	3.1	11.0	15.4	16.0	90.00	Right		
	MMR	R390-18 06 12M-MMR	○		○	○		●	●		○	18	6.33	0.3	1.2	11.0	15.4	17.0	90.00	Right		

● = First choice ○ = Good choice

CoroMill® 390, insert for milling



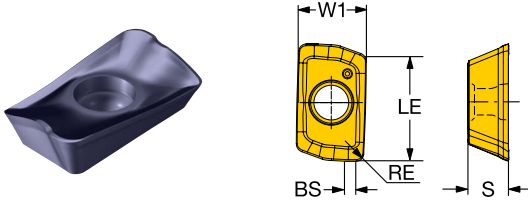
Metric (mm)

		P			S			M											
Ordering code		1040	2030	2040	1040	2030	2040	1040	2030	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Heavy MH	R390-11 T3 10M-MH	○	○	○	○	●	○	●	○	○	11	3.59	1.0	1.0	6.8	10.0	10.0	90.00	Right
		P			S			M											

● = First choice ○ = Good choice



CoroMill® 390, insert for milling

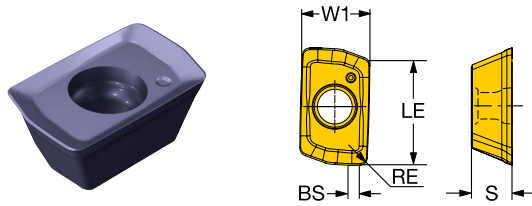


Metric (mm)

		P	S	H	K				N										
Ordering code		3040	H13A	3040	H13A	1220	1020	3330	3040	H13A	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Medium KM	390R-070204M-KM						○	●			07	2.40	0.7	0.4	4.1	5.9	5.8	90.00	Right
	390R-070208M-KM					○	○	●			07	2.40	0.7	0.8	4.1	5.9	5.8	90.00	Right
	390R-070216M-KM						●				07	2.40	0.2	1.6	4.1	5.9	5.8	90.00	Right
	R390-11 T3 02E-KM		○		○					●	11	3.59	0.7	0.2	6.8	10.0	10.0	90.00	Right
	R390-11 T3 04M-KM	○	○	○	○	○	○	●	○	●	11	3.59	0.9	0.4	6.8	10.0	10.0	90.00	Right
	R390-11 T3 08M-KM	○	○	○	○	○	○	●	○	●	11	3.59	1.2	0.8	6.8	10.0	10.0	90.00	Right
	R390-11 T3 12E-KM		○		○					●	11	3.59	0.8	1.2	6.8	10.0	10.0	90.00	Right
	R390-11 T3 16E-KM		○		○					●	11	3.59	0.8	1.6	6.8	10.0	10.0	90.00	Right
	R390-11 T3 16M-KM		○		○		○	●		●	11	3.59	0.4	1.6	6.8	10.0	10.0	90.00	Right
	R390-11 T3 20E-KM		○		○					●	11	3.59	0.4	2.0	6.8	10.0	10.0	90.00	Right
	R390-11 T3 24E-KM		○		○					●	11	3.59		2.4	6.8	10.0	10.0	90.00	Right
	R390-11 T3 31E-KM		○		○					●	11	3.59		3.1	6.8	10.0	10.0	90.00	Right
	R390-11 T3 31M-KM		○		○		○	●		●	11	3.59		3.1	6.8	10.0	10.0	90.00	Right
	R390-17 04 40E-KM		○		○					●	17	4.76		4.0	9.6	15.7	15.0	90.00	Right
	R390-17 04 48E-KM		○		○					●	17	4.76		4.8	9.6	15.7	15.0	90.00	Right
	R390-17 04 50E-KM		○		○					●	17	4.76		5.0	9.6	15.7	15.0	90.00	Right
	R390-17 04 60E-KM		○		○					●	17	4.76		6.0	9.6	15.7	15.0	90.00	Right
	R390-17 04 64E-KM		○		○					●	17	4.76		6.3	9.6	15.7	15.0	90.00	Right

● = First choice ○ = Good choice

CoroMill® 390, insert for milling



Metric (mm)

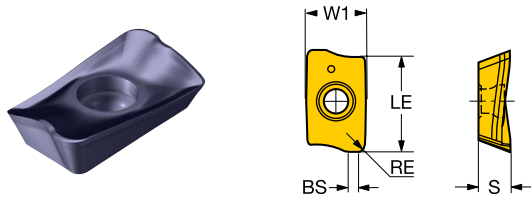
		P	S	H	K					N									
Ordering code		3040	H13A	3040	H13A	1220	1020	3330	3040	H13A	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light KL	390R-070204E-KL						●				07	2.40	0.7	0.4	4.1	5.9	5.8	90.00	Right
	390R-070208E-KL						●				07	2.40	0.7	0.8	4.1	5.9	5.8	90.00	Right
	R390-11 T3 08E-KL		○		○					●	11	3.59	1.5	0.8	6.8	10.0	10.0	90.00	Right
	R390-11 T3 08M-KL	○	○	○	○	●	○	○	○	●	11	3.59	1.2	0.8	6.8	10.0	10.0	90.00	Right
	R390-17 04 08E-KL		○		○					●	17	4.76	1.5	0.8	9.6	15.7	15.7	90.00	Right
	R390-17 04 08M-KL	○	○	○	○		●	○	○	●	17	4.76	1.5	0.8	9.6	15.7	15.7	90.00	Right
	R390-18 06 08H-KL	○		○			●	○	○		18	6.33	1.0	0.8	11.0	15.4	16.0	90.00	Right
	R390-18 06 12H-KL	○		○			●	○	○		18	6.33	1.0	1.2	11.0	15.4	16.0	90.00	Right
	R390-18 06 31H-KL	○		○			●		○		18	6.33	1.0	3.1	11.0	15.4	16.0	90.00	Right

● = First choice ○ = Good choice



CoroMill® 390, insert for milling

Optimised for stainless steel, ISO M



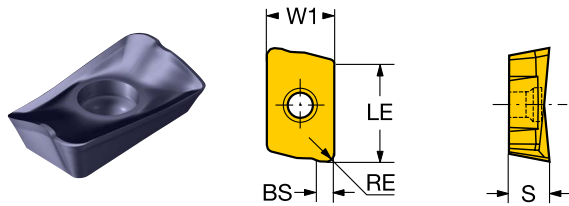
Metric (mm)

		P	H	K												
Ordering code		3040	3040	1220	1020	3330	3040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Heavy KH	R390-11 T3 10M-KH	○	○		○	●	○	11	3.59	1.0	1.0	6.8	10.0	10.0	90.00	Right
	R390-17 04 08M-KH	○	○	○	○	●	○	17	4.76	1.5	0.8	9.6	15.7	15.7	90.00	Right
		P	H	K												

● = First choice ○ = Good choice

CoroMill® 390, insert for milling

Optimised for stainless steel, ISO M



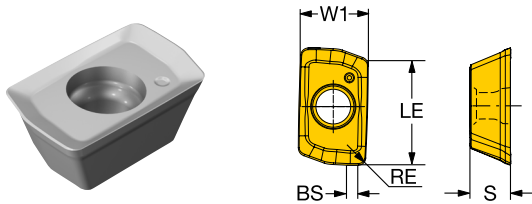
Metric (mm)

		P	S	H	K				N											
Ordering code		3040	H13A	3040	H13A	1220	1020	3330	3040	H13A	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND	
Medium	KM	R390-17 04 04E-KM	○	○	○					●	17	4.76	1.0	0.4	9.6	15.7	15.7	90.00	Right	
		R390-17 04 04M-KM	○	○	○	○		○	○	●	17	4.76	1.0	0.4	9.6	15.7	15.7	90.00	Right	
		R390-17 04 08M-KM	○	○	○	○	○		○	○	●	17	4.76	1.5	0.8	9.6	15.7	15.7	90.00	Right
		R390-17 04 12E-KM		○		○				●	17	4.76	1.1	1.2	9.6	15.7	15.7	90.00	Right	
		R390-17 04 16E-KM		○		○				●	17	4.76	0.7	1.6	9.6	15.7	15.7	90.00	Right	
		R390-17 04 16M-KM		○		○	○	●		●	17	4.76	0.7	1.6	9.6	15.7	15.7	90.00	Right	
		R390-17 04 20E-KM		○		○				●	17	4.76	0.3	2.0	9.6	15.7	15.7	90.00	Right	
		R390-17 04 24E-KM		○		○				●	17	4.76		2.4	9.6	15.7	15.7	90.00	Right	
		R390-17 04 31E-KM		○		○				●	17	4.76		3.1	9.6	15.7	15.7	90.00	Right	
		R390-17 04 31M-KM		○		○	○	●		●	17	4.76		3.1	9.6	15.7	15.7	90.00	Right	
		R390-18 06 08M-KM	○		○		○	○	●	○	18	6.33	1.1	0.8	11.0	15.4	16.0	90.00	Right	
		R390-18 06 12M-KM	○		○		○	○	●	○	18	6.33	1.1	1.2	11.0	15.4	16.0	90.00	Right	
		R390-18 06 16M-KM	○		○			○	●	○	18	6.33	1.1	1.6	11.0	15.4	16.0	90.00	Right	
		R390-18 06 20M-KM	○		○			○	●	○	18	6.33	0.5	2.0	11.0	15.4	16.0	90.00	Right	
		R390-18 06 31M-KM	○		○			○	●	○	18	6.33	0.5	3.1	11.0	15.4	16.0	90.00	Right	
	KMR	R390-18 06 12M-KMR	○		○			○	●	○	18	6.33	0.3	1.2	11.0	15.4	16.0	90.00	Right	

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CoroMill® 390, insert for milling



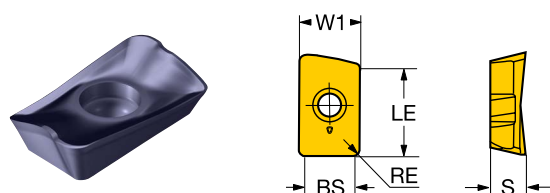
Metric (mm)

N											
Light NL	Ordering code	H13A	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
	390R-070202E-NL	●	07	2.40	0.7	0.2	4.1	5.9	5.8	90.00	Right
	390R-070204E-NL	●	07	2.40	0.7	0.4	4.1	5.9	5.8	90.00	Right
	390R-070208E-NL	●	07	2.40	0.7	0.8	4.1	5.9	5.8	90.00	Right
	R390-11 T3 04E-NL	●	11	3.59	0.9	0.4	6.8	10.0	10.0	90.00	Right
	R390-11 T3 08E-NL	●	11	3.59	1.5	0.8	6.8	10.0	10.0	90.00	Right
	R390-11 T3 20E-NL	●	11	3.59		2.0	6.8	10.0	10.0	90.00	Right
	R390-11 T3 31E-NL	●	11	3.59		3.1	6.8	10.0	10.0	90.00	Right
	R390-17 04 08E-NL	●	17	4.76	1.5	0.8	9.6	15.7	15.7	90.00	Right
	R390-17 04 20E-NL	●	17	4.76	0.3	2.0	9.6	15.7	15.7	90.00	Right
	R390-17 04 31E-NL	●	17	4.76		3.1	9.6	15.7	15.7	90.00	Right
	R390-17 04 40E-NL	●	17	4.76		4.0	9.6	15.7	15.0	90.00	Right
	R390-17 04 50E-NL	●	17	4.76		5.0	9.6	15.7	15.0	90.00	Right

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CoroMill® 390, insert for milling

Wiper technology



Metric (mm)

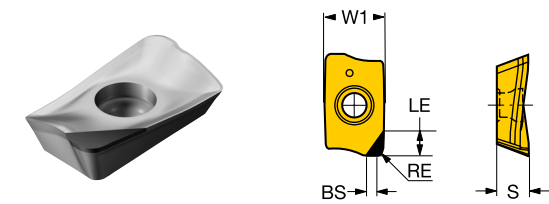
			P S H K M N														
Ordering code			1230	1230	1230	1020	1230	1230	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light	KTW	R390-18 06 16H-KTW				○			18	6.33	8.6	1.6	11.0	15.4	16.0	90.00	Right
	PLW	R390-11 T3 08E-PLW	●	○			○		11	3.59	5.0	0.8	6.8	10.0	10.0	90.00	Right
	PTW	R390-18 06 16H-PTW	○	○	○		○	○	18	6.33	8.6	1.6	11.0	15.4	16.1	90.00	Right
			P S H K M N														

● = First choice ○ = Good choice



CoroMill® 390, insert for milling

Advanced cutting materials



Metric (mm)

			N									
Ordering code			CD10	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light	NL	R390-11T304E-P4-NL	●	11	3.59	2.2	0.4	6.8	4.0	4.0	90.00	Right
		R390-170408E-P6-NL	●	17	4.76	1.8	0.8	9.6	6.0	6.0	90.00	Right

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Read more about CoroMill® 490:
sandvik.coromant.com/coromill490



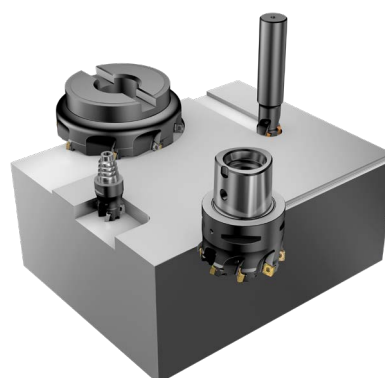
CoroMill® 490

First choice for general and repeated shoulder milling

CoroMill® 490 is a light-cutting, positive concept with four cutting edges. Precise cutter bodies and insert location along with a low-vibration machining process provide accurate shoulders without mismatch. Covers roughing to finishing.

Application

- General and repeated shoulder milling
- Face milling
- Edging
- Plunge milling
- Slot milling
- Roughing to finishing



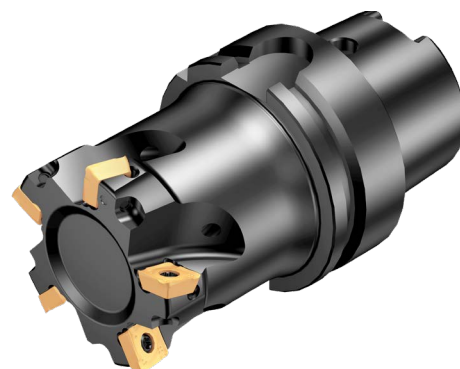
Features and benefits

- True 90° cuts without sharp steps
- High precision and good tolerances
- Positive concept with light cutting action
- High productivity with outstanding insert geometries and grades
- Undersized shanks for larger diameter cutters, using 8 mm (0.315 inch) inserts, enable these cutters to fit into smaller tool holders
- Oversized versions enhance the accessibility and provide natural clearance to tight fixtures

P M K N S H
ISO application areas

Precision built for repeatability

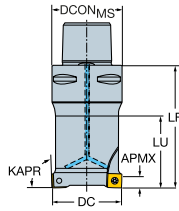
When your process demands consistent 90° shoulders with minimal mismatch, this solution delivers, again and again. With low cutting resistance, tight tolerances and true versatility, it's made for general and repeated shoulder milling.





CoroMill® 490, cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

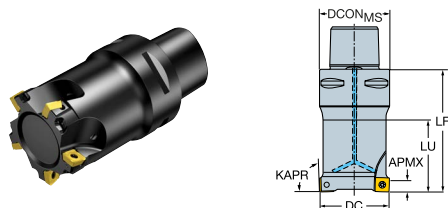
KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
490-020C3-08L	20.00	5.5	3	2		32.00	40.0	80.00	40.00	1.2	48500
490-020C4-08L	20.00	5.5	3	2		40.00	40.0	70.00	40.00	1.2	39000
490-025C3-08M	25.00	5.5	3	3		32.00	60.0	80.00	60.00	1.2	40400
490-025C4-08M	25.00	5.5	3	3		40.00	45.0	70.00	45.00	1.2	39000
490-025C5-08M	25.00	5.5	3	3		50.00	50.0	75.00	50.00	1.2	28000
490-025C6-08M	25.00	5.5	3	3		63.00	53.0	80.00	53.00	1.2	20000
490-032C3-08M	32.00	5.5	3	4		32.00	60.0	80.00	60.00	1.2	33900
490-032C4-08M	32.00	5.5	3	4		40.00	45.0	70.00	45.00	1.2	33900
490-032C5-08M	32.00	5.5	3	4		50.00	50.0	75.00	50.00	1.2	28000
490-032C6-08M	32.00	5.5	3	4		63.00	53.0	80.00	53.00	1.2	20000
490-036C3-08M	36.00	5.5	3		4	32.00	30.0	50.00	30.00	1.2	31300
490-040C4-08H	40.00	5.5	3	6		40.00	45.0	70.00	45.00	1.2	29300
490-040C4-08M	40.00	5.5	3		4	40.00	45.0	70.00	45.00	1.2	29300
490-040C4-14H	40.00	10.0	3	4		40.00	70.0	70.00	45.00	3.0	26400
490-040C4-14M	40.00	10.0	3		3	40.00	45.0	70.00	45.00	3.0	26400
490-040C5-08H	40.00	5.5	3	6		50.00	50.0	75.00	50.00	1.2	28000
490-040C5-08M	40.00	5.5	3		4	50.00	50.0	75.00	50.00	1.2	28000
490-040C5-14H	40.00	10.0	3	4		50.00	50.0	75.00	50.00	3.0	26400
490-040C5-14M	40.00	10.0	3		3	50.00	50.0	75.00	50.00	3.0	26400
490-040C6-08H	40.00	5.5	3	6		63.00	53.0	80.00	53.00	1.2	20000
490-040C6-14H	40.00	10.0	3	4		63.00	53.0	80.00	53.00	3.0	20000
490-040C6-14M	40.00	10.0	3		3	63.00	53.0	80.00	53.00	3.0	20000
490-044C4-08H	44.00	5.5	3	6		40.00	40.0	60.00		1.2	27600
490-044C4-08M	44.00	5.5	3		5	40.00	40.0	60.00		1.2	27600
490-044C4-14H	44.00	10.0	3	4		40.00	70.0	70.00		3.0	24600
490-044C4-14M	44.00	10.0	3		3	40.00	45.0	70.00		3.0	24600
490-050C5-08H	50.00	5.5	3	7		50.00	50.0	75.00	50.00	1.2	25500
490-050C5-08M	50.00	5.5	3		5	50.00	50.0	75.00	50.00	1.2	25500
490-050C5-14H	50.00	10.0	3	5		50.00	50.0	75.00	50.00	3.0	22400
490-050C5-14M	50.00	10.0	3		4	50.00	53.0	75.00	50.00	3.0	13700
490-050C6-08H	50.00	5.5	3	7		63.00	53.0	80.00	53.00	1.2	20000
490-050C6-08M	50.00	5.5	3		5	63.00	53.0	80.00	53.00	1.2	20000
490-050C6-14H	50.00	10.0	3	5		63.00	53.0	80.00	53.00	3.0	20000
490-050C6-14M	50.00	10.0	3		4	63.00	53.0	80.00	53.00	3.0	13700

CoroMill® 490, cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]
90.0

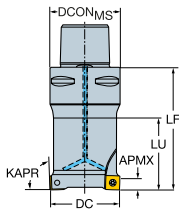
Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{Ms} [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
490-054C5-08H	54.00	5.5	3	7		50.00	40.0	60.00		1.2	24300
490-054C5-08M	54.00	5.5	3		5	50.00	40.0	60.00		1.2	24300
490-054C5-14H	54.00	10.0	3	5		50.00	60.0	60.00		3.0	21300
490-054C5-14M	54.00	10.0	3		4	50.00	60.0	60.00		3.0	13000
490-063C6-08H	63.00	5.5	3	8		63.00	23.0	50.00	23.00	1.2	20000
490-063C6-08M	63.00	5.5	3		6	63.00	23.0	50.00	23.00	1.2	20000
490-063C6-14H	63.00	10.0	3	6		63.00	53.0	80.00	53.00	3.0	11700
490-063C6-14M	63.00	10.0	3		5	63.00	53.0	80.00	53.00	3.0	11700
490-066C6-08H	66.00	5.5	3		8	63.00	28.0	50.00		1.2	20000
490-066C6-08M	66.00	5.5	3		6	63.00	28.0	50.00		1.2	20000
490-066C6-14H	66.00	10.0	3	6		63.00	65.0	65.00		3.0	11400
490-066C6-14M	66.00	10.0	3		5	63.00	65.0	65.00		3.0	11400
490-080C6-14H	80.00	10.0	3	8		63.00	65.0	65.00	65.00	3.0	10100
490-080C6-14M	80.00	10.0	3		6	63.00	65.0	65.00	65.00	3.0	10100
490-080C8-08H	80.00	5.5	3		10	80.00		80.00	45.00	1.2	14000
490-080C8-08M	80.00	5.5	3		8	80.00		80.00	45.00	1.2	14000
490-080C8-14H	80.00	10.0	3	8		80.00		80.00	45.00	3.0	10100
490-080C8-14M	80.00	10.0	3		6	80.00		80.00	45.00	3.0	10100
490-084C8-08H	84.00	5.5	3		10	80.00		60.00		1.2	14000
490-084C8-08M	84.00	5.5	3		8	80.00		60.00		1.2	14000
490-084C8-14H	84.00	10.0	3	8		80.00		70.00		3.0	9800
490-084C8-14M	84.00	10.0	3		6	80.00		70.00		3.0	9800



CoroMill® 490, cutter for square shoulder milling

Coromant Capto® - Internal coolant supply



Common data values

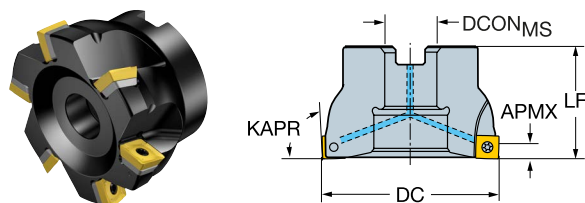
KAPR
[deg]
90.0

Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC			DCON _{MS} [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
A490-019C5-08L	0.750	0.217	3	2		1.969	1.500	3.000	1.500	0.9	28000
A490-025C5-08M	1.000	0.217	3	3		1.969	2.015	3.000	2.015	0.9	28000
A490-025C6-08M	1.000	0.217	3	3		2.480		3.000	1.937	0.9	20000
A490-032C6-08M	1.250	0.217	3	4		2.480		3.000	1.937	0.9	20000
A490-038C5-08H	1.500	0.217	3	5		1.969	2.015	3.000	2.015	0.9	28000
A490-038C5-14M	1.500	0.394	3	3		1.969	2.015	3.000	2.015	2.2	27400
A490-038C6-14M	1.500	0.394	3	3		2.480		3.000	1.937	2.2	20000
A490-051C5-08H	2.000	0.217	3	7		1.969	3.000	3.000		0.9	25200
A490-051C5-08M	2.000	0.217	3		5	1.969	3.000	3.000		0.9	25200
A490-051C5-14H	2.000	0.394	3	5		1.969	3.000	3.000		2.2	22200
A490-051C5-14M	2.000	0.394	3		4	1.969	3.000	3.000		2.2	13600
A490-063C6-08H	2.500	0.217	3	8		2.480		2.000		0.9	20000
A490-063C6-08M	2.500	0.217	3		6	2.480		2.000		0.9	20000
A490-063C6-14H	2.500	0.394	3	6		2.480		2.500		2.2	11700
A490-063C6-14M	2.500	0.394	3		5	2.480		2.500		2.2	11700

CoroMill® 490, cutter for square shoulder milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
90.0

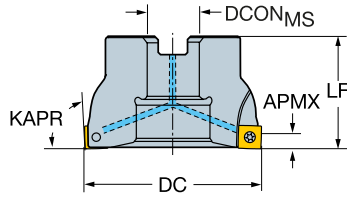
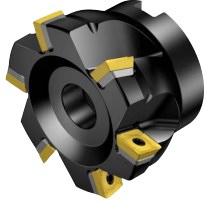
Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET	DBC [mm]
490-040Q16-08H	40.00	5.5	1	6		16.00	40.00	1.2	29300	A	
490-040Q16-08M	40.00	5.5	1		4	16.00	40.00	1.2	29300	A	
490-044Q16-08M	44.00	5.5	1		5	16.00	40.00	1.2	27600	A	
490-050Q22-08H	50.00	5.5	1	7		22.00	40.00	1.2	25500	A	
490-050Q22-08L	50.00	5.5	1		4	22.00	40.00	1.2	25500	A	
490-050Q22-08M	50.00	5.5	1		5	22.00	40.00	1.2	25500	A	
490-050Q22-14H	50.00	10.0	1	5		22.00	40.00	3.0	22400	A	
490-050Q22-14M	50.00	10.0	1		4	22.00	40.00	3.0	13700	A	
490-054Q22-08M	54.00	5.5	1		5	22.00	40.00	1.2	24300	A	
490-054Q22-14M	54.00	10.0	1		4	22.00	40.00	3.0	13000	A	
490-063Q22-08H	63.00	5.5	1	8		22.00	40.00	1.2	22200	A	
490-063Q22-08L	63.00	5.5	1		5	22.00	40.00	1.2	22200	A	
490-063Q22-08M	63.00	5.5	1		6	22.00	40.00	1.2	22200	A	
490-063Q22-14H	63.00	10.0	1	6		22.00	40.00	3.0	11700	A	
490-063Q22-14M	63.00	10.0	1		5	22.00	40.00	3.0	11700	A	
490-066Q22-08M	66.00	5.5	1		6	22.00	40.00	1.2	21600	A	
490-066Q22-14M	66.00	10.0	1		5	22.00	40.00	3.0	11400	A	
490-080Q27-08H	80.00	5.5	1		10	27.00	50.00	1.2	19400	A	
490-080Q27-08L	80.00	5.5	1		6	27.00	50.00	1.2	19400	A	
490-080Q27-08M	80.00	5.5	1		8	27.00	50.00	1.2	19400	A	
490-080Q27-14H	80.00	10.0	1	8		27.00	50.00	3.0	10100	A	
490-080Q27-14M	80.00	10.0	1		6	27.00	50.00	3.0	10100	A	
490-084Q27-08M	84.00	5.5	1		8	27.00	50.00	1.2	18900	A	
490-084Q27-14M	84.00	10.0	1		6	27.00	50.00	3.0	9800	A	
490-100Q32-08H	100.00	5.5	0		10	32.00	50.00	1.2	17100	B	
490-100Q32-08L	100.00	5.5	0		6	32.00	50.00	1.2	17100	B	
490-100Q32-08M	100.00	5.5	0		8	32.00	50.00	1.2	17100	B	
490-100Q32-14H	100.00	10.0	1	10		32.00	50.00	3.0	8900	B	
490-100Q32-14L	100.00	10.0	1		5	32.00	50.00	3.0	8900	B	
490-100Q32-14M	100.00	10.0	1		7	32.00	50.00	3.0	8900	B	
490-125Q40-08H	125.00	5.5	0		12	40.00	63.00	1.2	15200	B	
490-125Q40-08L	125.00	5.5	0		8	40.00	63.00	1.2	15200	B	
490-125Q40-08M	125.00	5.5	0		10	40.00	63.00	1.2	15200	B	
490-125Q40-14H	125.00	10.0	1	12		40.00	63.00	3.0	7800	B	



CoroMill® 490, cutter for square shoulder milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET	DBC [mm]
490-125Q40-14L	125.00	10.0	1		6	40.00	63.00	3.0	7800	B	
490-125Q40-14M	125.00	10.0	1		8	40.00	63.00	3.0	7800	B	
490-160Q40-14H	160.00	10.0	0	15		40.00	63.00	3.0	6800	C	66.7
490-160Q40-14L	160.00	10.0	0		8	40.00	63.00	3.0	6800	C	66.7
490-160Q40-14M	160.00	10.0	0		12	40.00	63.00	3.0	6800	C	66.7
490-200Q60-14L	200.00	10.0	0		10	60.00	63.00	3.0	6000	C	101.6
490-200Q60-14M	200.00	10.0	0		16	60.00	63.00	3.0	6000	C	101.6
490-250Q60-14L	250.00	10.0	0		12	60.00	63.00	3.0	5300	C	101.6
490-250Q60-14M	250.00	10.0	0		18	60.00	63.00	3.0	5300	C	101.6

Common data values

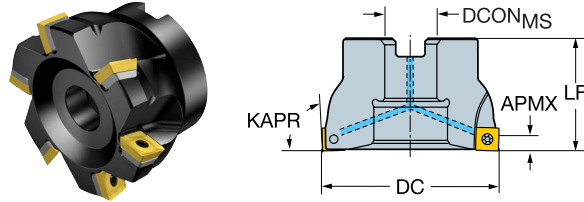
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[deg]
90.0

Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET	DBC [inch]
A490-038R19-08H	1.500	0.217	1	5		0.750	1.575	0.9	30200	A	
A490-038R19-08M	1.500	0.217	1		4	0.750	1.575	0.9	30200	A	
A490-051R19-08H	2.000	0.217	1	7		0.750	1.575	0.9	25200	A	
A490-051R19-08L	2.000	0.217	1		4	0.750	1.575	0.9	25200	A	
A490-051R19-08M	2.000	0.217	1		5	0.750	1.575	0.9	25200	A	
A490-051R19-14H	2.000	0.394	1	5		0.750	1.575	2.2	22200	A	
A490-051R19-14M	2.000	0.394	1		4	0.750	1.575	2.2	13600	A	
A490-063R25-08H	2.500	0.217	1	8		1.000	1.969	0.9	22100	A	
A490-063R25-08L	2.500	0.217	1		5	1.000	1.969	0.9	22100	A	
A490-063R25-08M	2.500	0.217	1		6	1.000	1.969	0.9	22100	A	
A490-063R25-14H	2.500	0.394	1	6		1.000	1.969	2.2	11700	A	
A490-063R25-14M	2.500	0.394	1		5	1.000	1.969	2.2	11700	A	
A490-076R25-08H	3.000	0.217	1	10		1.000	1.969	0.9	19900	A	
A490-076R25-08L	3.000	0.217	1		6	1.000	1.969	0.9	19900	A	
A490-076R25-08M	3.000	0.217	1		8	1.000	1.969	0.9	19900	A	

CoroMill® 490, cutter for square shoulder milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]

90.0

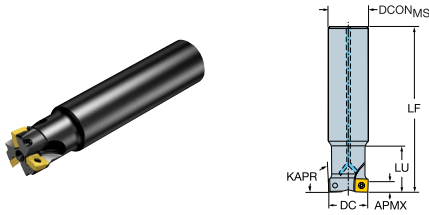
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET	DBC [inch]
A490-076R25-14H	3.000	0.394	1	7		1.000	1.969	2.2	10400	A	
A490-076R25-14M	3.000	0.394	1		6	1.000	1.969	2.2	10400	A	
A490-080J25.4-08L	3.150	0.217	1		6	1.000	1.969	0.9	19400		
A490-080J25.4-08M	3.150	0.217	1		8	1.000	1.969	0.9	19400		
A490-080J25.4-14H	3.150	0.394	1	8		1.000	1.969	2.2	10100		
A490-080J25.4-14L	3.150	0.394	1		4	1.000	1.969	2.2	10100		
A490-080J25.4-14M	3.150	0.394	1		6	1.000	1.969	2.2	10100		
A490-100J31.75-08L	3.937	0.217	0		6	1.250	2.480	0.9	17100		
A490-100J31.75-08M	3.937	0.217	0		8	1.250	2.480	0.9	17100		
A490-100J31.75-14H	3.937	0.394	1	10		1.250	2.480	2.2	8900		
A490-100J31.75-14L	3.937	0.394	1		5	1.250	2.480	2.2	8900		
A490-100J31.75-14M	3.937	0.394	1		7	1.250	2.480	2.2	8900		
A490-102R38-08H	4.000	0.217	0		10	1.500	1.969	0.9	17000	B	
A490-102R38-08L	4.000	0.217	0		6	1.500	1.969	0.9	17000	B	
A490-102R38-08M	4.000	0.217	0		8	1.500	1.969	0.9	17000	B	
A490-102R38-14H	4.000	0.394	1	10		1.500	1.969	2.2	8800	B	
A490-102R38-14L	4.000	0.394	1		5	1.500	1.969	2.2	8800	B	
A490-102R38-14M	4.000	0.394	1		7	1.500	1.969	2.2	8800	B	
A490-125J38.1-08L	4.921	0.217	0		8	1.500	2.480	0.9	15200		
A490-125J38.1-08M	4.921	0.217	0		10	1.500	2.480	0.9	15200		
A490-125J38.1-14L	4.921	0.394	1		6	1.500	2.480	2.2	7800		
A490-125J38.1-14M	4.921	0.394	1		8	1.500	2.480	2.2	7800		
A490-127R38-08M	5.000	0.217	0		10	1.500	2.480	0.9	15100	B	
A490-127R38-14L	5.000	0.394	1		6	1.500	2.480	2.2	7700	B	
A490-127R38-14M	5.000	0.394	1		8	1.500	2.480	2.2	7700	B	
A490-152R38-14H	6.000	0.394	0	14		1.500	2.480	2.2	7000	C	2.63
A490-152R38-14L	6.000	0.394	0		8	1.500	2.480	2.2	7000	C	2.63
A490-152R38-14M	6.000	0.394	0		12	1.500	2.480	2.2	7000	C	2.63
A490-160J50.8-14M	6.299	0.394	0		12	2.000	2.480	2.2	6800		
A490-200J47.625-14M	7.874	0.394	0		16	1.875	2.480	2.2	6000		2.63
A490-203R63-14L	8.000	0.394	0		10	2.500	2.480	2.2	6000	C	4.00
A490-203R63-14M	8.000	0.394	0		16	2.500	2.480	2.2	6000	C	4.00
A490-254R63-14L	10.000	0.394	0		12	2.500	2.480	2.2	5300	C	4.00
A490-254R63-14M	10.000	0.394	0		18	2.500	2.480	2.2	5300	C	4.00



CoroMill® 490, cutter for square shoulder milling

Cylindrical shank - Internal coolant supply



Common data values

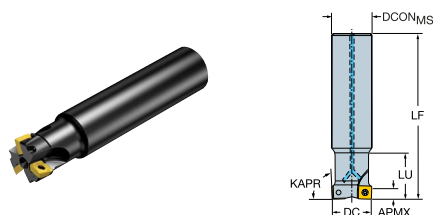
KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
490-020A16-08L	20.00	5.5	1	2		16.00	100.00		1.2	48500
490-020A20-08L	20.00	5.5	1	2		20.00	110.00	25.00	1.2	48500
490-022A20L-08L	22.00	5.5	1	2		20.00	170.00		1.2	20300
490-025A20-08L	25.00	5.5	1	2		20.00	110.00		1.2	40400
490-025A20-08M	25.00	5.5	1	3		20.00	110.00		1.2	40400
490-025A25-08L	25.00	5.5	1	2		25.00	120.00	32.00	1.2	40400
490-025A25-08M	25.00	5.5	1	3		25.00	120.00	32.00	1.2	40400
490-028A25L-08L	28.00	5.5	1	2		25.00	210.00		1.2	11000
490-032A25-08L	32.00	5.5	1		3	25.00	120.00		1.2	33900
490-032A25-08M	32.00	5.5	1	4		25.00	120.00		1.2	33900
490-032A32-08L	32.00	5.5	1		3	32.00	130.00	40.00	1.2	33900
490-032A32-08M	32.00	5.5	1	4		32.00	130.00	40.00	1.2	33900
490-040A32-08H	40.00	5.5	1	6		32.00	170.00		1.2	20300
490-040A32-08L	40.00	5.5	1		3	32.00	170.00		1.2	20300
490-040A32-08M	40.00	5.5	1		4	32.00	170.00		1.2	20300
490-040A32-14H	40.00	10.0	1	4		32.00	170.00		3.0	26400
490-040A32-14M	40.00	10.0	1		3	32.00	170.00		3.0	26400
490-040A32L-14M	40.00	10.0	1		3	32.00	250.00		3.0	7600
490-050A32-14L	50.00	10.0	1		3	32.00	120.00		3.0	13700
490-050A32-14M	50.00	10.0	1		4	32.00	120.00		3.0	13700
490-063A32-14L	63.00	10.0	1		4	32.00	120.00		3.0	11700
490-063A32-14M	63.00	10.0	1		5	32.00	120.00		3.0	11700

CoroMill® 490, cutter for square shoulder milling

Cylindrical shank - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC		DCON _{MS} [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
A490-019019L-08L	0.750	0.217	1	2	0.750	6.500	1.625	0.9	22100
A490-025025L-08L	1.000	0.217	1	2	1.000	8.000	2.125	0.9	12100
A490-025025L-08M	1.000	0.217	1	3	1.000	8.000	2.125	0.9	12100
A490-038032L-14M	1.500	0.394	1	3	1.250	10.000		2.2	7400



CoroMill® 490, cutter for square shoulder milling

Weldon shank - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]	STDLET
490-020B16-08L	20.00	5.5	1	2		16.00	25.0	74.00		1.2	48500	WE
490-020B20-08L	20.00	5.5	1	2		20.00	25.0	76.00	25.00	1.2	48500	WE
490-025B20-08L	25.00	5.5	1	2		20.00	32.0	83.00		1.2	40400	WE
490-025B25-08M	25.00	5.5	1	3		25.00	32.0	88.00	32.00	1.2	40400	WE
490-032B25-08L	32.00	5.5	1		3	25.00	40.0	98.00		1.2	33900	WE
490-032B25-08M	32.00	5.5	1	4		25.00	40.0	98.00		1.2	33900	WE
490-032B32-08L	32.00	5.5	1		3	32.00	40.0	100.00	40.00	1.2	33900	WE
490-032B32-08M	32.00	5.5	1	4		32.00	40.0	100.00	40.00	1.2	33900	WE
490-040B32-08H	40.00	5.5	1	6		32.00	50.0	112.00		1.2	29300	WE
490-040B32-08M	40.00	5.5	1		4	32.00	50.0	112.00		1.2	29300	WE
490-040B32-14H	40.00	10.0	1	4		32.00	50.0	112.00		3.0	26400	WE
490-040B32-14M	40.00	10.0	1		3	32.00	50.0	112.00		3.0	26400	WE

Common data values

KAPR
[deg]

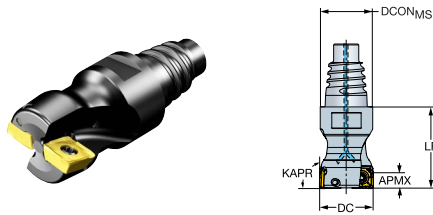
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Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC			DCON _{MS} [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]	STDLET
A490-019M19-08L	0.750	0.217	1	2		0.750	1.020	3.350	1.020	0.9	50600	WE
A490-025M19-08L	1.000	0.217	1	2		0.750	1.468	3.500		0.9	40000	WE
A490-025M19-08M	1.000	0.217	1	3		0.750	1.468	3.500		0.9	40000	WE
A490-025M25-08L	1.000	0.217	1	2		1.000	1.250	3.750	1.250	0.9	40000	WE
A490-025M25-08M	1.000	0.217	1	3		1.000	1.250	3.750	1.250	0.9	40000	WE
A490-032M32-08L	1.250	0.217	1		3	1.250	1.350	3.750	1.350	0.9	34100	WE
A490-032M32-08M	1.250	0.217	1	4		1.250	1.350	3.750	1.350	0.9	34100	WE
A490-038M32-08H	1.500	0.217	1	5		1.250	1.719	4.000		0.9	30200	WE
A490-038M32-08M	1.500	0.217	1		4	1.250	1.350	4.000		0.9	30200	WE
A490-038M32-14M	1.500	0.394	1	3		1.250	1.719	4.000		2.2	27400	WE

CoroMill® 490, cutter for square shoulder milling

Coromant EH - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
490-020EH20-08L	20.00	5.5	1	2		19.30	30.00	1.2	48500
490-025EH25-08L	25.00	5.5	1	2		24.20	35.00	1.2	40400
490-025EH25-08M	25.00	5.5	1	3		24.20	35.00	1.2	40400
490-032EH25-08L	32.00	5.5	1		3	24.20	35.00	1.2	33900
490-032EH25-08M	32.00	5.5	1	4		24.20	35.00	1.2	33900

Common data values

KAPR
[deg]

90.0

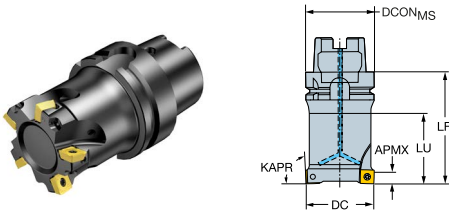
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
A490-019EH20-08L	0.750	0.216	1	2		0.728	1.181	0.9	50600
A490-025EH25-08M	1.000	0.216	1	3		0.965	1.378	0.9	40000
A490-032EH25-08L	1.250	0.216	1		3	0.965	1.378	0.9	34100
A490-032EH25-08M	1.250	0.216	1	4		0.965	1.378	0.9	34100



CoroMill® 490, cutter for square shoulder milling

HSK-A - Internal coolant supply



Common data values

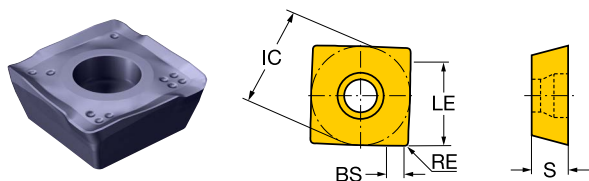
KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]	STDLET
490-020HA06-08L	20.00	5.5	1	2		63.00	95.00	40.00	1.2	30000	A
490-025HA06-08M	25.00	5.5	1	3		63.00	95.00	50.00	1.2	30000	A
490-032HA06-08M	32.00	5.5	1	4		63.00	95.00	58.00	1.2	30000	A
490-040HA06-08H	40.00	5.5	1	6		63.00	95.00	58.00	1.2	29300	A
490-050HA06-08H	50.00	5.5	1	7		63.00	95.00	58.00	1.2	25500	A
490-050HA06-08M	50.00	5.5	1		5	63.00	95.00	63.00	1.2	25500	A
490-063HA06-08H	63.00	5.5	1	8		63.00	70.00	44.00	1.2	22200	A
490-063HA06-08M	63.00	5.5	1		6	63.00	70.00	44.00	1.2	22200	A
490-080HA06-08M	80.00	5.5	1		8	63.00	70.00		1.2	19400	A

CoroMill® 490, insert for milling

R = Right hand, L = Left hand



Metric (mm)

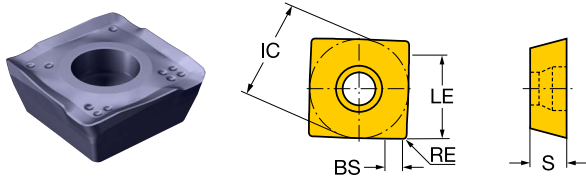
			P				S				K	M				N														
			Ordering code												SSC	S	BS	RE	IC	LE	APMX	KRINS								
			1230	1040	2030	2040	S30T	S40T	H13A	1230	1040	2030	2040	H13A	S30T	S40T	1230	1040	2030	2040	H13A	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[deg]		
Light	ML	490R-08T304E-ML		○	○	○		○		○	●	○						●	○	○	●	08	3.30	1.5	0.4	8.50	5.6	5.5	90.00	
		490R-08T308E-ML	●	○	○	○	●	○	○	○	○	○			○	○	○	●	○	○	●	08	3.30	1.2	0.8	8.50	5.6	5.5	90.00	
		490R-140408E-ML	●	○		○	●	○	○	○	○	○	○	○	○	○	○	○	●		○	●	14	3.90	2.0	0.8	13.80	10.3	10.0	90.00
Medium	MM	490R-08T308E-MM	●	○	○	○	●	○		○	○	○			○	○	○	●	○	○		08	3.30	1.2	0.8	8.50	5.6	5.5	90.00	
		490R-08T308M-MM		○	○	○	●	○		○	○	○			○	○		●	○	○		08	3.30	1.2	0.8	8.50	5.6	5.5	90.00	
		490R-08T312E-MM		○	○	○					○	●	○						●	○	○		08	3.30	0.9	1.2	8.50	5.6	5.5	90.00
		490R-08T316E-MM		○	○	○					○	●	○						●	○	○		08	3.30	0.6	1.6	8.50	5.6	5.5	90.00
		490R-140408E-MM		○		○					○		●						●		○		14	3.90	2.0	0.8	13.80	10.3	10.0	90.00
		490R-140408M-MM		○		○	●	○			○		○			○	○		●		○		14	3.90	2.0	0.8	13.80	10.3	10.0	90.00
		490R-140412E-MM		○		○	●	○			○		○			○	○		●		○		14	3.90	1.6	1.2	13.80	10.3	10.0	90.00
		490R-140416E-MM		○		○					○		●						●		○		14	3.90	1.2	1.6	13.80	10.3	10.0	90.00
		490R-140420E-MM		○		○					○		●						●		○		14	3.90	0.9	2.0	13.80	10.3	10.0	90.00
		490R-140420M-MM		○		○					○		●						●		○		14	3.90	0.9	2.0	13.80	10.3	10.0	90.00
											K																			

● = First choice ○ = Good choice



CoroMill® 490, insert for milling

R = Right hand, L = Left hand



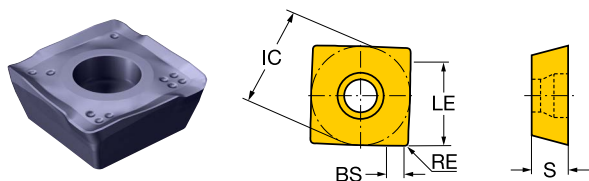
Metric (mm)

		P								S	H				K								M																
		Ordering code								530	4340	4330	4220	1230	1010	3040	1230	530	4220	1010	3040	4340	4330	4220	1220	1010	3220	1020	3330	3040	530	4340	1230	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]
Heavy	PH	490R-08T308M-PH	●	○	○	○			○		●		○	○	○						○	○	○	08	3.30	1.2	0.8	8.50	5.6										
		490R-08T316M-PH	●	○	○	○			○		●		○	○	○						○	○	○	08	3.30	0.6	1.6	8.50	5.6										
		490R-140408M-PH	●	○	○	○		○	○		●		○	○	○			○	○	●	○		○	○	14	3.90	2.0	0.8	13.80	10.3									
		490R-140420M-PH	●	○	○	○		○	○		●		○	○	○			○	○	●	○		○	○	14	3.90	0.9	2.0	13.80	10.3									
Light	PL	490R-08T304M-PL	○	○		●			○				○	○								○	○	08	3.30	1.5	0.4	8.50	5.6										
		490R-08T308M-PL	○	○	○	○	●	○		○	○	●		○	○	○		○				○	○	08	3.30	1.2	0.8	8.50	5.6										
		490R-140408M-PL	○	○		●		○	○				○	○	○		●			○	○	○		○	○	14	3.90	2.0	0.8	13.80	10.3								
Medium	PM	490L-140408M-PM		●				○					○		○			○			●			14	3.90	2.0	0.8	13.80	10.3										
		490R-08T308M-PM	○	○	○	●	○		○		○	●		○	○	○		○					○	○	08	3.30	1.2	0.8	8.50	5.6									
		490R-08T312M-PM	○	○	○	●	○		○		○	●		○	○	○		○					○	○	08	3.30	0.9	1.2	8.50	5.6									
		490R-08T316M-PM	○	○	○	●	○		○		○	●		○	○	○		○					○	○	08	3.30	0.6	1.6	8.50	5.6									
		490R-140408M-PM	○	○	○	●		○	○		●		○	○	○	○	○		○	○	●	○		○	○	14	3.90	2.0	0.8	13.80	10.3								
		490R-140412M-PM	○	○		●		○	○				○	○	○				○	○	●	○		○	○	14	3.90	2.0	1.2	13.80	10.3								
		490R-140416M-PM	○	○		●		○	○				○	○	○				○	○	●	○		○	○	14	3.90	1.2	1.6	13.80	10.3								
		490R-140420M-PM	○	○	○	●		○	○		●		○	○	○			○	○	●	○		○	○	14	3.90	0.9	2.0	13.80	10.3									
				P								S	H				K								M														

● = First choice ○ = Good choice

CoroMill® 490, insert for milling

Optimised for cast iron, ISO K



Metric (mm)

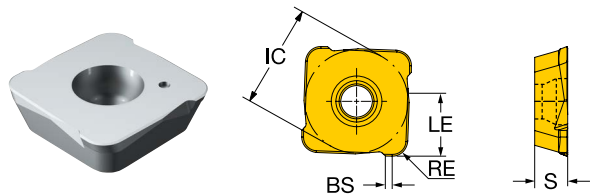
			P	H	K																				
			Ordering code							3040	3040	1220	1020	3330	3220	3040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Heavy	KH	490R-08T308M-KH	○	○		○	●	○	○	08	3.30	1.2	0.8	8.50	5.6	5.5	90.00	Right							
		490R-08T316M-KH				○	●			08	3.30	0.6	1.6	8.50	5.6	5.5	90.00	Right							
Light	KL	490R-08T304M-KL	○	○	●	○	○		○	08	3.30	1.5	0.4	8.50	5.6	5.5	90.00	Right							
		490R-08T308M-KL	○	○	●	○	○		○	08	3.30	1.2	0.8	8.50	5.6	5.5	90.00	Right							
Medium	KM	490R-08T308M-KM	○	○	○	○	●	○	○	08	3.30	1.2	0.8	8.50	5.6	5.5	90.00	Right							
		490R-08T312M-KM	○	○		○	●		○	08	3.30	0.9	1.2	8.50	5.6	5.5	90.00	Right							
		490R-08T316M-KM	○	○		○	●		○	08	3.30	0.6	1.6	8.50	5.6	5.5	90.00	Right							
			P	H	K																				

● = First choice ○ = Good choice



CoroMill® 490, insert for milling

Advanced cutting materials

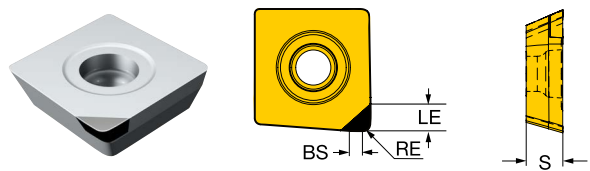


Metric (mm)

		K										
		Ordering code	6190	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Medium	PO	490R-140408E	○	14	3.90	0.8	0.8	13.80	5.0	5.0	90.00	Right
		490R-140420E	○	14	3.90	0.8	2.0	13.80	5.0	5.0	90.00	Right

● = First choice ○ = Good choice

Advanced cutting materials

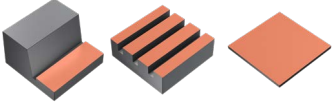
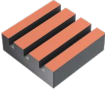
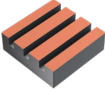
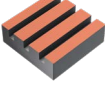
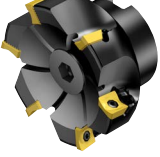
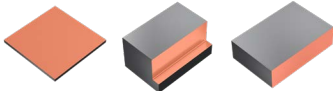


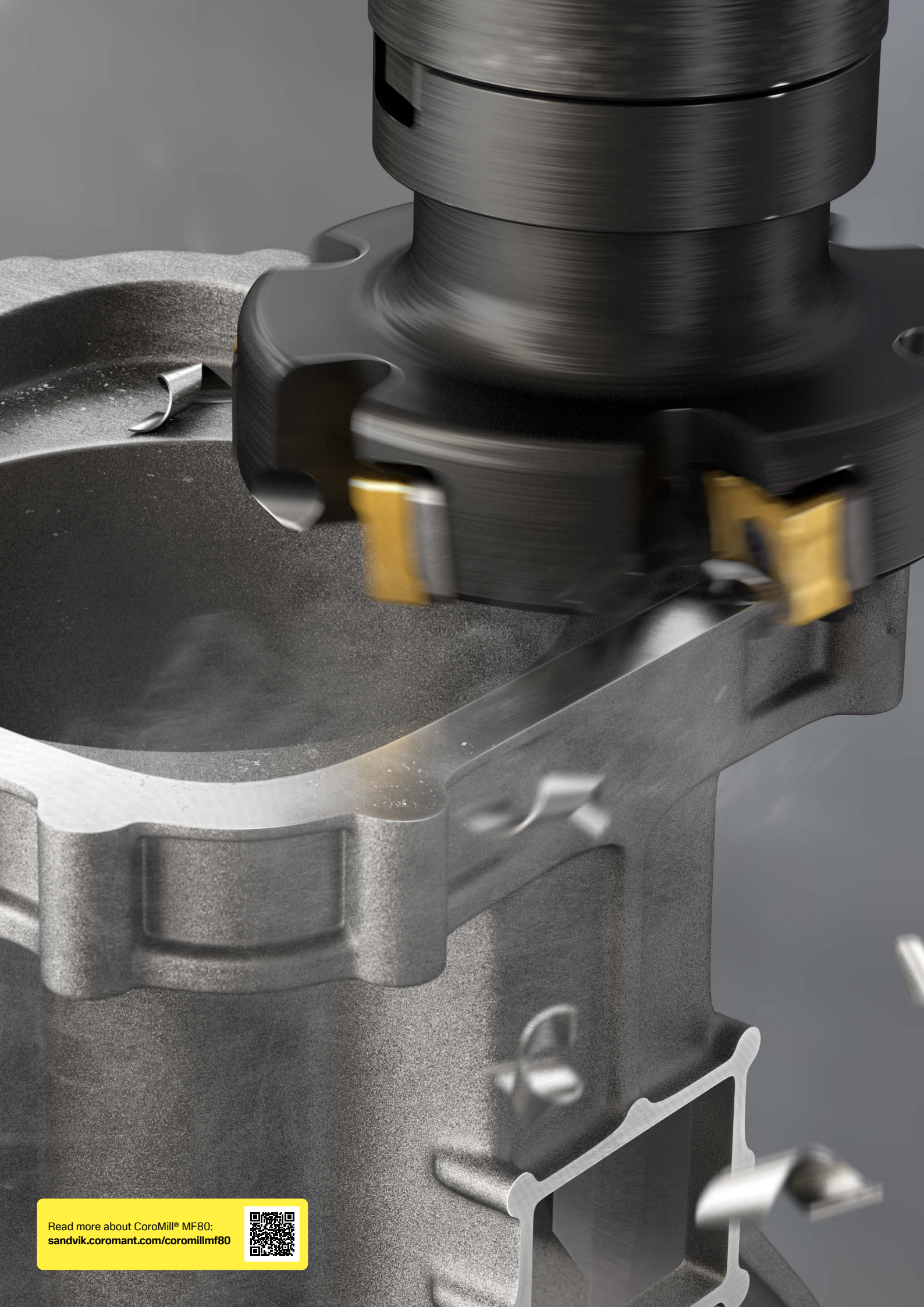
Metric (mm)

		H		K										
		Ordering code		CB50	CB50	SSC	S	BS	RE	IC	LE	APMX	KRINS	HAND
							[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[deg]	
Medium	PO	490R-140408E		○	○	14	3.90	1.5	0.8	13.80	2.0	2.0	90.00	Right

● = First choice ○ = Good choice

Face milling

Tool	Material	Main applications	Secondary applications
CoroMill® MF80 	P K		
CoroMill® 245 	P M K N S H		
CoroMill® 345 	P M K N S H		
CoroMill® 745 	P M K S		
CoroMill® 365 	P M K N S H		
CoroMill® Century (590) 	P M K N S H		



Read more about CoroMill® MF80:
sandvik.coromant.com/coromillmf80



CoroMill® MF80

Multi-edge face and shoulder milling concept

Lightweight cutter body with shim protection ensuring secure, vibration-free cutting, as well as a more cost-efficient production in close to 90-degree operations with fixture constraints.

Application

- Face milling where traditionally multi-edge or tangential milling solution is used
- Shoulder milling where precise 90° corners and repeated passes are not critical
- Thin-walled components where low axial forces are required

Features and benefits

- Lightweight cutter body ensuring reduced vibration in high overhang applications
- Internal coolant for better chip evacuation
- Shim protection
- Robust tip seat design against variable forces due to casting and forging variations
- Open pocket design for better chip flow especially in ISO P machining



ISO application areas

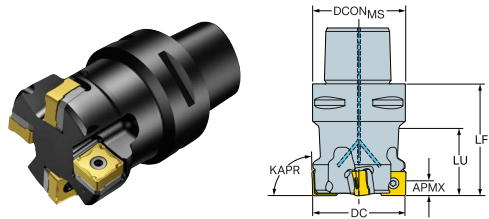
Smarter alternative to multi-edge milling

Designed to outperform traditional multi-edge and tangential cutters in cost-efficient face milling. Reduced cutting forces and high edge economy make this a smart way to lower your cost per component.



CoroMill® MF80, face milling cutter

Coromant Capto® - Internal coolant supply



Common data values

KAPR [deg]
89.5

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
MF80-R050C5-13M	50.00	9.0	3	4	50.00	60.00	3.0	13200

R = Right hand, L = Left hand

Common data values

KAPR [deg]
89.5

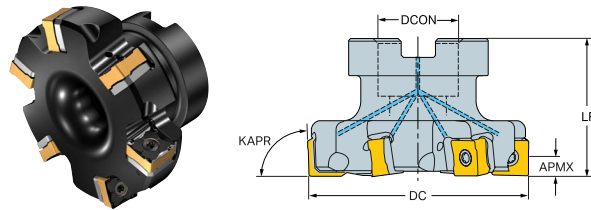
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC		DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
MF80-AR051C5-13M	2.000	0.354	3	4	1.969	2.362	2.2	13100

R = Right hand, L = Left hand

CoroMill® MF80, face milling cutter

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]

89.5

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
MF80-R063Q22-13M	63.00	9.0	1		5	22.00	40.00	3.0	11800	A
MF80-R080Q27-13H	80.00	9.0	1	8		27.00	50.00	3.0	10400	A
MF80-R080Q27-13M	80.00	9.0	1		6	27.00	50.00	3.0	10400	A
MF80-R100Q32-13H	100.00	9.0	1	10		32.00	50.00	3.0	9300	B
MF80-R100Q32-13M	100.00	9.0	1		8	32.00	50.00	3.0	9300	B
MF80-R125Q40-13H	125.00	9.0	1	12		40.00	63.00	3.0	8300	B
MF80-R125Q40-13M	125.00	9.0	1		10	40.00	63.00	3.0	8300	B

R = Right hand, L = Left hand

Common data values

KAPR
[deg]

89.5

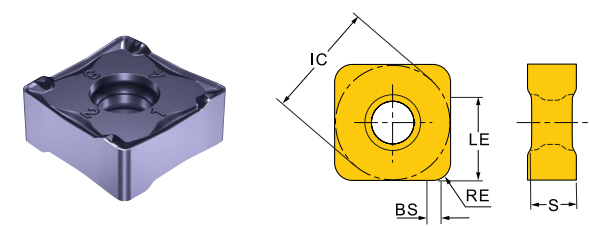
Imperial (inch)

Ordering code	DC [inch]	APMX [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
MF80-AR063R25-13M	2.500	0.354	1		5	1.000	1.575	2.2	11700	A
MF80-AR076R25-13H	3.000	0.354	1	8		1.000	1.969	2.2	10700	A
MF80-AR076R25-13M	3.000	0.354	1		6	1.000	1.969	2.2	10700	A
MF80-AR102R38-13H	4.000	0.354	1	10		1.500	1.969	2.2	9200	B
MF80-AR102R38-13M	4.000	0.354	1		8	1.500	1.969	2.2	9200	B
MF80-AR127R38-13H	5.000	0.354	1	12		1.500	2.480	2.2	8300	B
MF80-AR127R38-13M	5.000	0.354	1		10	1.500	2.480	2.2	8300	B

R = Right hand, L = Left hand



CoroMill® MF80, insert for milling



Metric (mm)

		P		K												
Ordering code		4330	1230	4330	1220	1020	3330	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Medium M50	MF80-130508M-M50	●	○	○	○	○	●	13	5.00	1.6	0.8	13.00	9.0	9.0	89.50	Right
	MF80-130512M-M50	●	○	○	○	○	●	13	5.00	1.6	1.2	13.00	8.6	8.6	89.50	Right
	MF80-130516M-M50	●	○	○	○	○	●	13	5.00	1.6	1.6	13.00	8.2	8.2	89.50	Right

● = First choice ○ = Good choice



Read more about CoroMill® 245:
sandvik.coromant.com/coromill245



CoroMill® 245

Light-cutting face mill for heavy roughing to mirror finishing

Milling cutters for high metal removal and mirror finish. The cutter is designed with enhanced corners to reduce burr formation and frittering of the component.

Application

- Face milling applications in all types of materials

Features and benefits

- Close tolerance combined with the wiper insert for superior surface finish
- Low power consumption
- Wide range of grades and geometries including ceramic and CBN grades
- 45° face milling cutter
- Demanding roughing to mirror finishing
- Four cutting edges per insert
- Wiper inserts for high feed finishing



ISO application areas

Maximum output, minimal effort

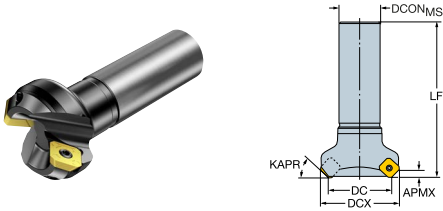
Get more done with less effort. This light-cutting, high-productivity face milling cutter delivers smooth performance and easy handling, perfect when time, energy and surface finish all matter.





CoroMill® 245, cutter for face milling

Cylindrical shank - External coolant supply



Common data values

KAPR
[deg]

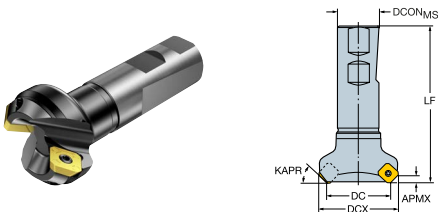
45.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]			DCON _{MS} [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
R245-032A32-12M	32.00	44.50	6.0	3		32.00	39.0	117.00	3.0	18250
R245-040A32-12L	40.00	52.50	6.0		3	32.00	39.0	120.00	3.0	18250
R245-050A32-12L	50.00	62.50	6.0		3	32.00	39.0	120.00	3.0	16250
R245-050A32-12M	50.00	62.50	6.0	4		32.00	39.0	120.00	3.0	16250
R245-063A32-12L	63.00	75.50	6.0		4	32.00	39.0	120.00	3.0	14400
R245-063A32-12M	63.00	75.50	6.0	5		32.00	39.0	120.00	3.0	14400
R245-080A32-12L	80.00	92.50	6.0		4	32.00	39.0	120.00	3.0	12700
R245-080A32-12M	80.00	92.50	6.0	6		32.00	39.0	120.00	3.0	12700

R = Right hand, L = Left hand

Whistle Notch adaptor. Weldon shank - External coolant supply



Common data values

KAPR
[deg]

45.0

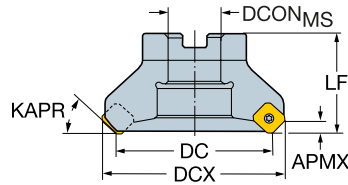
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]			DCON _{MS} [inch]	LB [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
RA245-032MN25-12L	1.250	1.742	0.240		2	1.000	0.236	3.858	2.2	18250
RA245-032MN25-12M	1.250	1.742	0.240	3		1.000	1.575	3.858	2.2	18250
RA245-038MN32-12L	1.500	1.992	0.240		3	1.250	0.236	3.858	2.2	18250
RA245-038MN32-12M	1.500	1.992	0.240	4		1.250	1.575	3.858	2.2	18250
RA245-051MN32-12M	2.000	2.492	0.240	4		1.250	0.236	3.976	2.2	16250
RA245-063MN32-12M	2.500	2.992	0.240	5		1.250	0.236	3.976	2.2	14400

R = Right hand, L = Left hand

CoroMill® 245, cutter for face milling

Arbor shank - External coolant supply



Common data values

KAPR
[deg]

45.0

Metric (mm)

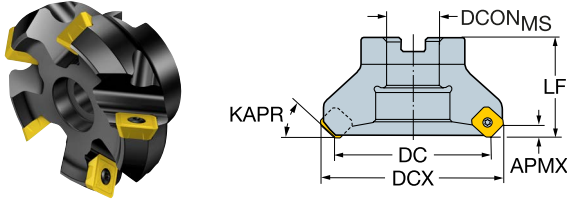
Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R245-050Q22-12H	50.00	62.50	6.0	5		22.00	40.00	3.0	16250	A
R245-050Q22-12L	50.00	62.50	6.0		3	22.00	40.00	3.0	16250	A
R245-050Q22-12M	50.00	62.50	6.0	4		22.00	40.00	3.0	16250	A
R245-063Q22-12H	63.00	75.50	6.0	6		22.00	40.00	3.0	14400	A
R245-063Q22-12L	63.00	75.50	6.0		4	22.00	40.00	3.0	14400	A
R245-063Q22-12M	63.00	75.50	6.0	5		22.00	40.00	3.0	14400	A
R245-080Q27-12H	80.00	92.50	6.0	8		27.00	50.00	3.0	12700	B
R245-080Q27-12L	80.00	92.50	6.0		4	27.00	50.00	3.0	12700	B
R245-080Q27-12M	80.00	92.50	6.0	6		27.00	50.00	3.0	12700	B
R245-080Q32-18H	80.00	98.80	10.0		5	32.00	50.00	5.0	6100	B
R245-080Q32-18M	80.00	98.80	10.0		4	32.00	50.00	5.0	6100	B
R245-100Q32-12H	100.00	112.50	6.0	10		32.00	50.00	3.0	11300	B
R245-100Q32-12L	100.00	112.50	6.0		5	32.00	50.00	3.0	11300	B
R245-100Q32-12M	100.00	112.50	6.0	7		32.00	50.00	3.0	11300	B
R245-100Q32-18H	100.00	118.80	10.0		6	32.00	50.00	5.0	5400	B
R245-100Q32-18M	100.00	118.80	10.0		4	32.00	50.00	5.0	5400	B
R245-125Q40-12H	125.00	137.50	6.0	12		40.00	63.00	3.0	10100	B
R245-125Q40-12L	125.00	137.50	6.0		6	40.00	63.00	3.0	10100	B
R245-125Q40-12M	125.00	137.50	6.0	8		40.00	63.00	3.0	10100	B
R245-125Q40-18H	125.00	138.80	10.0		7	40.00	63.00	5.0	4900	B
R245-125Q40-18M	125.00	138.80	10.0		5	40.00	63.00	5.0	4900	B
R245-160Q40-12H	160.00	172.50	6.0	16		40.00	63.00	3.0	8900	C
R245-160Q40-12L	160.00	172.50	6.0		7	40.00	63.00	3.0	8900	C
R245-160Q40-12M	160.00	172.50	6.0	10		40.00	63.00	3.0	8900	C
R245-160Q40-18H	160.00	178.80	10.0		9	40.00	63.00	5.0	4300	C
R245-160Q40-18M	160.00	178.80	10.0		6	40.00	63.00	5.0	4300	C
R245-200Q60-12L	200.00	212.50	6.0		8	60.00	63.00	3.0	7950	C
R245-200Q60-12M	200.00	212.50	6.0	12		60.00	63.00	3.0	7950	C
R245-200Q60-18H	200.00	218.80	10.0		12	60.00	63.00	5.0	3800	C
R245-200Q60-18M	200.00	218.80	10.0		8	60.00	63.00	5.0	3800	C
R245-250Q60-12H	250.00	262.50	6.0	24		60.00	63.00	3.0	7100	C
R245-250Q60-12L	250.00	262.50	6.0		10	60.00	63.00	3.0	7100	C
R245-250Q60-12M	250.00	262.50	6.0	14		60.00	63.00	3.0	7100	C
R245-250Q60-18H	250.00	268.80	10.0		14	60.00	63.00	5.0	3400	C

R = Right hand. L = Left hand



CoroMill® 245, cutter for face milling

Arbor shank - External coolant supply



Common data values

KAPR
[deg]
45.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R245-250Q60-18M	250.00	268.80	10.0		10	60.00	63.00	5.0	3400	C

R = Right hand, L = Left hand

Common data values

KAPR
[deg]
45.0

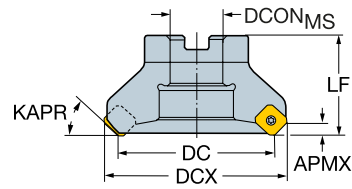
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
RA245-051R19-12H	2.000	2.492	0.240	5		0.750	1.575	2.2	16250	A
RA245-051R19-12L	2.000	2.492	0.240		3	0.750	1.575	2.2	16250	A
RA245-051R19-12M	2.000	2.492	0.240	4		0.750	1.575	2.2	16250	A
RA245-063R19-12H	2.500	2.992	0.240	6		0.750	1.575	2.2	14400	A
RA245-063R19-12L	2.500	2.992	0.240		4	0.750	1.575	2.2	14400	A
RA245-063R19-12M	2.500	2.992	0.240	5		0.750	1.575	2.2	14400	A
RA245-076R25-12H	3.000	3.492	0.240	8		1.000	1.969	2.2	12700	B
RA245-076R25-12L	3.000	3.492	0.240		4	1.000	1.969	2.2	12700	B
RA245-076R25-12M	3.000	3.492	0.240	6		1.000	1.969	2.2	12700	B
RA245-076R25-18H	3.000	3.740	0.394		5	1.000	1.969	3.7	6300	B
RA245-076R25-18M	3.000	3.740	0.394		4	1.000	1.969	3.7	6300	B
RA245-102R38-12H	4.000	4.492	0.240	10		1.500	1.969	2.2	11300	B
RA245-102R38-12L	4.000	4.492	0.240		5	1.500	1.969	2.2	11300	B
RA245-102R38-12M	4.000	4.492	0.240	7		1.500	1.969	2.2	11300	B
RA245-102R38-18H	4.000	4.740	0.394		6	1.500	1.969	3.7	5400	B
RA245-127R38-12H	5.000	5.492	0.240	12		1.500	2.480	2.2	10100	B
RA245-127R38-12L	5.000	5.492	0.240		6	1.500	2.480	2.2	10100	B
RA245-127R38-12M	5.000	5.492	0.240	8		1.500	2.480	2.2	10100	B
RA245-127R38-18H	5.000	5.740	0.394		7	1.500	2.480	3.7	4800	B
RA245-127R38-18M	5.000	5.740	0.394		5	1.500	2.480	3.7	4800	B
RA245-152R38-12H	6.000	6.492	0.240	15		1.500	2.480	2.2	8900	B
RA245-152R38-12L	6.000	6.492	0.240		7	1.500	2.480	2.2	8900	B
RA245-152R38-12M	6.000	6.492	0.240	10		1.500	2.480	2.2	8900	B

R = Right hand, L = Left hand

CoroMill® 245, cutter for face milling

Arbor shank - External coolant supply



Common data values

KAPR
[deg]

45.0

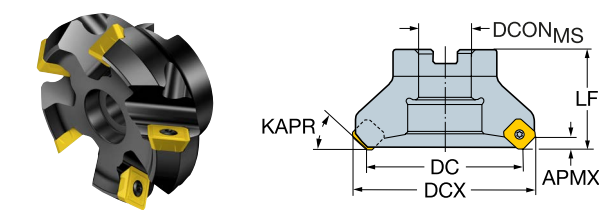
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
RA245-152R38-18H	6.000	6.740	0.394		9	1.500	2.480	3.7	4400	B
RA245-152R38-18M	6.000	6.740	0.394		6	1.500	2.480	3.7	4400	B
RA245-203R63-12H	8.000	8.492	0.240	20		2.500	2.480	2.2	7950	C
RA245-203R63-12L	8.000	8.492	0.240		8	2.500	2.480	2.2	7950	C
RA245-203R63-12M	8.000	8.492	0.240	12		2.500	2.480	2.2	7950	C
RA245-203R63-18M	8.000	8.740	0.394		8	2.500	2.480	3.7	3800	C
RA245-254R63-12L	10.000	10.492	0.240		10	2.500	2.480	2.2	7100	C
RA245-254R63-12M	10.000	10.492	0.240	14		2.500	2.480	2.2	7100	C
RA245-254R63-18M	10.000	10.740	0.394		10	2.500	2.480	3.7	3400	C

R = Right hand. L = Left hand

CoroMill® 245, cutter for face milling

Arbor shank - External coolant supply



Common data values

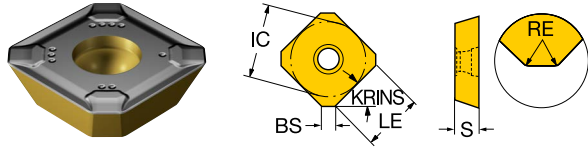
KAPR [deg]
45.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
RA245-080J25-18H	80.00	101.32	10.0		5	25.40	50.00	5.0	6100
RA245-080J25.4-12H	80.00	92.50	6.0	8		25.40	50.00	3.0	12700
RA245-080J25.4-12L	80.00	92.50	6.0		4	25.40	50.00	3.0	12700
RA245-080J25.4-12M	80.00	92.50	6.0	6		25.40	50.00	3.0	12700
RA245-100J31.75-12H	100.00	112.50	6.0	10		31.75	63.00	3.0	11300
RA245-100J31.75-12L	100.00	112.50	6.0		5	31.75	63.00	3.0	11300
RA245-100J31.75-12M	100.00	112.50	6.0	7		31.75	63.00	3.0	11300
RA245-125J38.1-12H	125.00	137.50	6.0	12		38.10	63.00	3.0	10100
RA245-125J38.1-12L	125.00	137.50	6.0		6	38.10	63.00	3.0	10100
RA245-125J38.1-12M	125.00	137.50	6.0	8		38.10	63.00	3.0	10100
RA245-160J50.8-12L	160.00	172.50	6.0		7	50.80	63.00	3.0	8900
RA245-160J50.8-12M	160.00	172.50	6.0	10		50.80	63.00	3.0	8900
RA245-200J47.625-12M	200.00	212.50	6.0	12		47.63	63.00	3.0	7950
RA245-250J47-18M	250.00	268.80	10.0		10	47.63	63.00	5.0	3400
RA245-250J47.625-12M	250.00	262.50	6.0	14		47.63	63.00	3.0	7100

R = Right hand, L = Left hand

CoroMill® 245, insert for milling



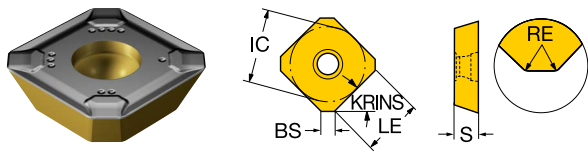
Metric (mm)

		P		S	H	K										N											
		Ordering code		3040	H13A	3040	H10	H13A	1220	1020	3220	3330	K15W	K20W	3040	H10	H13A	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	AL	R245-12 T3 E-AL					○									●		12	3.97	2.3		13.40	10.0		6.5	45.00	Right
	KL	R245-12 T3 E-KL		○				○	●	○	○	○	○				●	12	3.97	2.1	1.5	13.40	10.0	200.0	6.5	45.00	Right
		R245-12 T3 M-KL	○		○			●	○	○	○		○	○				12	3.97	2.0	1.5	13.40	10.0		6.5	45.00	Right

● = First choice ○ = Good choice



CoroMill® 245, insert for milling

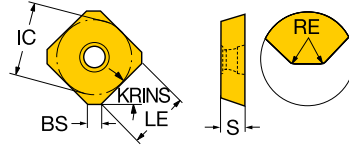
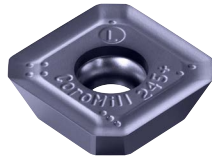


Metric (mm)

			P	S	H	K							N									
Ordering code			3040	H13A	3040	H13A	1220	1020	3220	3330	K20W	3040	H13A	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Heavy	KH	R245-12 T3 M-KH	○		○			○	○	●	○	○		12	3.97	2.0	1.5	13.40	10.0	6.5	45.00	Right
Medium	KM	R245-12 T3 M-KM	○	○	○	○	○	○	○	●	○	○	●	12	3.97	2.0	1.5	13.40	10.0	6.5	45.00	Right
		R245-18 T6 M-KM	○		○			○	○	●	○	○		18	6.10	1.5	1.0	18.00	13.9	9.8	45.00	Right
			P	S	H	K							N									

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CoroMill® 245, insert for milling



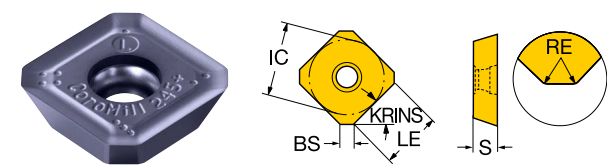
Metric (mm)

		P								S	H			K			M			N																		
		Ordering code										530	4340	4220	4330	1010	1230	1230	530	4220	1010	4340	4220	4330	1010	530	4340	1230	530	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Heavy	PH	R245-12 T3 M-PH		○	○	●						●		○	○	○			○							○			12	3.97	2.0	1.5	13.40	10.0	6.5	45.00	Right	
Medium	PM	R245-12 T3 M-PM	○	○	○	●	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	12	3.97	2.0	1.5	13.40	10.0	6.5	45.00	Right	
		R245-18 T6 M-PM		○	○	●	○	○	○		○	●	○	○	○	○			○	○								18	6.10	1.5	1.0	18.00	13.9	9.8	45.00	Right		
		P								S	H			K			M			N																		

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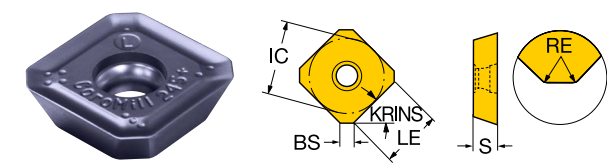
CoroMill® 245, insert for milling



Metric (mm)

			P				S				M													
Ordering code			1230	1040	2030	2040	1230	1040	2030	2040	1230	1040	2030	2040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	ML	R245-12 T3 E-ML	●	○	○	○	○	○	●	○	○	○	○	○	12	3.97	2.1	1.5	13.40	10.0	200.0	6.5	45.00	Right

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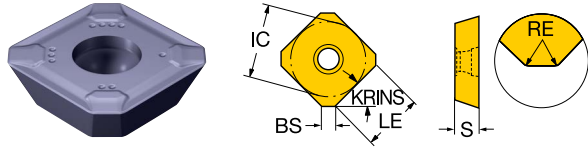


Metric (mm)

		P				S				H				K				M				N								
Ordering code		530	4340	4330	4220	1010	1230	S30T	S40T	1230	530	4220	1010	4340	4330	4220	1010	530	S30T	S40T	4340	1230	530	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]
Light	PL	R245-12 T3 E-PL	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	12	3.97	2.1	1.5	13.40	10.0	200.0
		R245-12 T3 M-PL	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	12	3.97	2.0	1.5	13.40	10.0	

● = First choice ○ = Good choice

CoroMill® 245, insert for milling

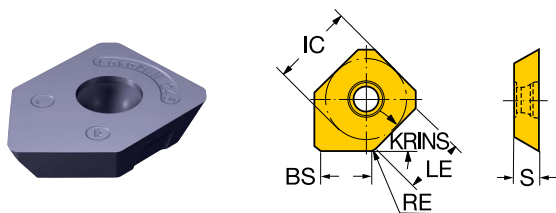


Metric (mm)

			P		S				K	M																	
Ordering code			1040	2030	2040	S30T	S40T	1040	2030	2040	K20W	S30T	S40T	1040	2030	2040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND	
Medium	MM	R245-12 T3 K-MM	○	○	○	●	○	○	○	○	○	○	○	●	○	○	12	3.97	2.1	1.5	13.40	10.0	200.0	6.5	45.00	Right	
		R245-18 T6 M-MM		○	○					●	○					○	●	18	6.10	1.5	1.0	18.00	13.9		9.8	45.00	Right
			P		S				K	M																	

● = First choice ○ = Good choice

Wiper technology



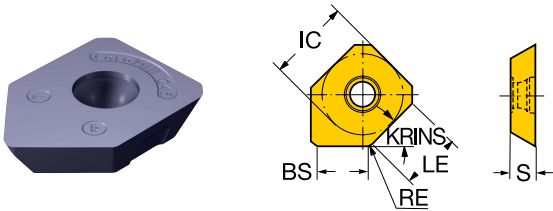
Metric (mm)

			P				S		H		K						M		N																
			Ordering code																SSC	S	BS	RE	IC	LE	BSR	APMX	KRINS								
			530	1010	1230	H13A	1230	530	1010	H13A	1220	1010	1020	3220	3330	K15W	530	1230	530	H13A															
Light	W	R245-12 T3 E-W	○	○	●	○	○	○	●	○	●	○	○	○	○	○	○	○	○	●	12	3.97	8.2	1.5	13.40	10.0	500.0	2.5	45.00						
			P				S		H		K						M		N																

● = First choice ○ = Good choice



CoroMill® 245, insert for milling



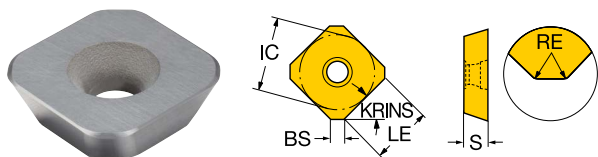
Metric (mm)

		P		S		H	K	M		N															
		Ordering code		1230	2030	1230	2030	CB50	CB50	1020	1230	2030	CD10	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND		
Light W	R245-12 T3 E-W					○	○							12	3.97	6.4	2.5	13.40	3.5	400.0	2.5	45.00	Right		
	R245-12 T3 E-W												●	12	3.97	6.4	1.5	13.40	3.5	400.0	2.5	45.00	Right		
	R245-18 T6 E-W								●					18	6.10	10.8	1.0	18.00	13.9	500.0	9.8	45.00	Right		
	R245-18 T6 E-W	●		○						○				18	6.10	10.8	1.0	18.00	13.9	500.0	9.8	45.00	Right		
	R245-18 T6 E-W		○		●							●		18	6.10	10.8	1.0	18.00	13.9	500.0	9.8	45.00	Right		

● = First choice ○ = Good choice

CoroMill® 245, insert for milling

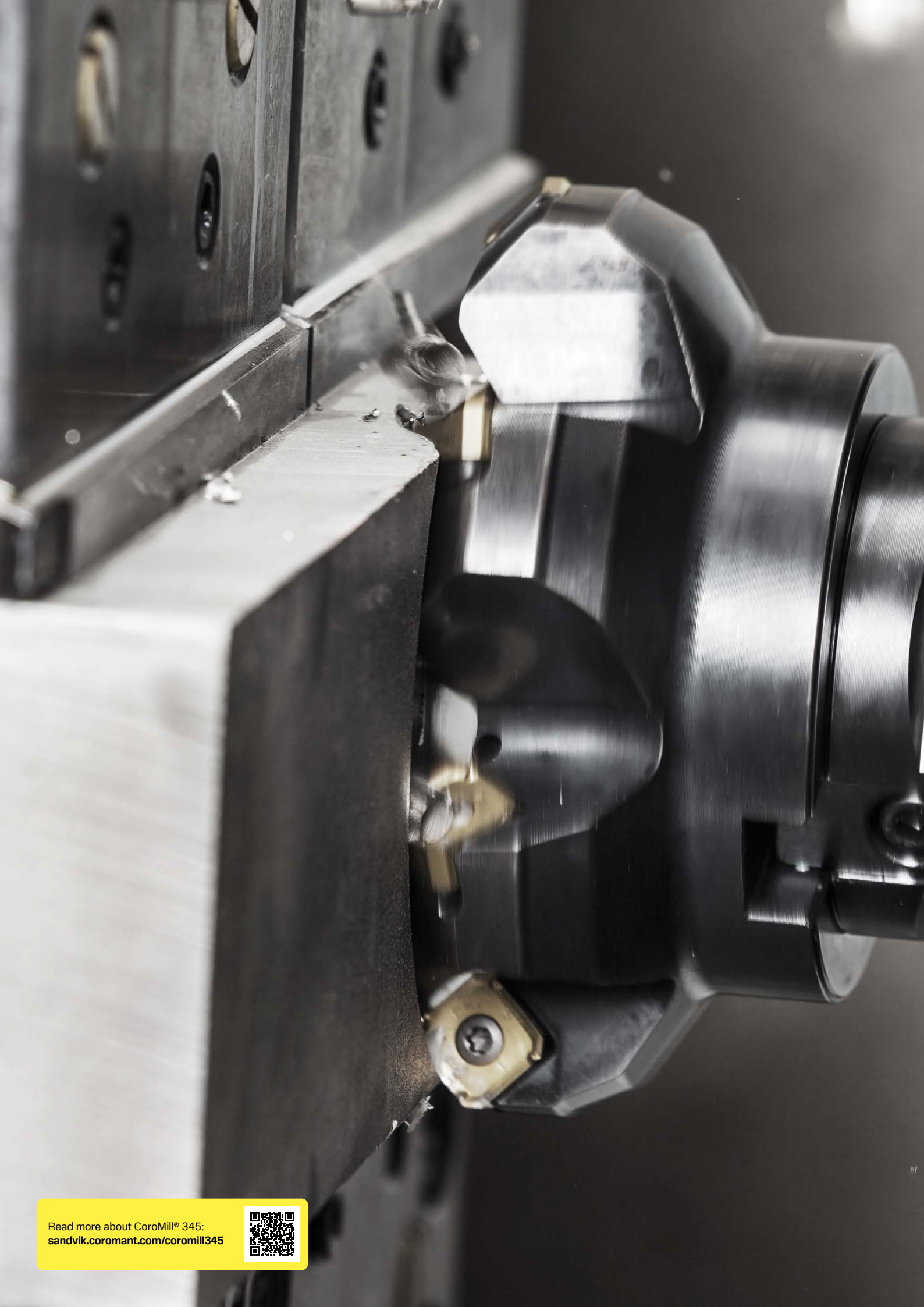
Advanced cutting materials



Metric (mm)

		H K N													
Ordering code		CB50	CB50	6190	CD10	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	R245-12 T3 E	○	○		●	12	3.97	1.4	1.5	13.40	3.5		2.5	45.00	Right
	R245-12 T3 E1			○		12	3.97	0.4	2.5	13.40	10.0	200.0	6.0	45.00	Right

● = First choice ○ = Good choice



Read more about CoroMill® 345:
sandvik.coromant.com/coromill345



CoroMill® 345

First choice for highly productive face milling

Designed for high material removal rates, CoroMill® 345 is built to withstand large cutting depths and high feed per tooth. The robust construction and integrated shim protection contribute to operational reliability in demanding machining conditions.

Application

- Face milling
- Roughing to finishing
- Maximum depth of cut 6 mm (0.236 inch)

Features and benefits

- Low cost per component, double-sided inserts with eight cutting edges
- Secure machining, extremely robust cutter body and shim-protected tip seats
- Internal coolant supply to each insert pocket ensures effective chip evacuation and good performance
- Wiper inserts for excellent surface finish at high feed per tooth
- Optimized machine utilization and productivity with four different pitches
- Wide application area – use the same concept for different applications



P M K N S H
ISO application areas

Cut costs, keep the performance

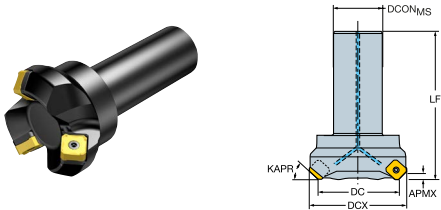
Achieve low cost per component with double-sided inserts offering eight cutting edges each. Add high feed capability, efficient chip evacuation and a wide application range – and productivity becomes effortless.





CoroMill® 345, cutter for face milling

Cylindrical shank - Internal coolant supply



Common data values

KAPR
[deg]
45.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC		DCON _{MS} [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
345-040A32-13M	40.00	54.08	6.0	1	4	32.00	40.0	120.00	3.0	19600
345-050A32-13L	50.00	64.08	6.0	1	3	32.00	40.0	120.00	3.0	17500
345-050A32-13M	50.00	64.08	6.0	1	4	32.00	40.0	120.00	3.0	17500

Common data values

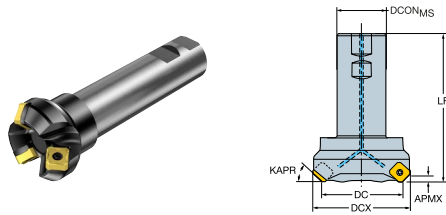
KAPR
[deg]
45.0

Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]	CNSC		DCON _{MS} [inch]	LB [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
A345-038M32-13M	1.500	2.054	0.236	1	4	1.250	1.575	5.865	2.2	20100	WE
A345-051M32-13M	2.000	2.554	0.236	1	4	1.250	1.575	5.865	2.2	17300	WE

CoroMill® 345, cutter for face milling

Weldon shank - Internal coolant supply



Common data values

KAPR
[deg]

45.0

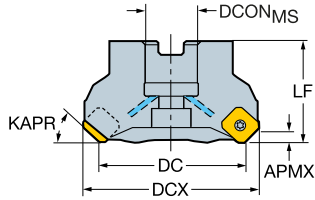
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
A345-051R19-13H	2.000	2.562	0.236	1	5		0.750	1.772	2.2	17300	A
A345-051R19-13L	2.000	2.562	0.236	1		3	0.750	1.772	2.2	17300	A
A345-051R19-13M	2.000	2.562	0.236	1		4	0.750	1.772	2.2	17300	A
A345-063R25-13H	2.500	3.054	0.236	1	6		1.000	1.772	2.2	15400	A
A345-063R25-13HX	2.500	3.054	0.236	1	7		1.000	1.772	2.2	15400	A
A345-063R25-13L	2.500	3.054	0.236	1		4	1.000	1.772	2.2	15400	A
A345-063R25-13M	2.500	3.054	0.236	1		5	1.000	1.772	2.2	15400	A
A345-076R25-13H	3.000	3.554	0.236	1	8		1.000	1.772	2.2	14000	A
A345-076R25-13L	3.000	3.554	0.236	1		4	1.000	1.772	2.2	14000	A
A345-076R25-13M	3.000	3.554	0.236	1		6	1.000	1.772	2.2	14000	A
A345-102R38-13H	4.000	4.554	0.236	1	10		1.500	2.480	2.2	12100	B
A345-102R38-13L	4.000	4.554	0.236	1		5	1.500	2.480	2.2	12100	B
A345-102R38-13M	4.000	4.554	0.236	1		7	1.500	2.480	2.2	12100	B
A345-127R38-13H	5.000	5.554	0.236	1	12		1.500	2.480	2.2	10800	B
A345-127R38-13M	5.000	5.554	0.236	1		8	1.500	2.480	2.2	10800	B
A345-152R38-13H	6.000	6.554	0.236	0		12	1.500	2.480	2.2	9900	C
A345-152R38-13HX	6.000	6.554	0.236	0	16		1.500	2.480	2.2	9900	C
A345-152R38-13L	6.000	6.554	0.236	0		7	1.500	2.480	2.2	9900	C
A345-152R38-13M	6.000	6.554	0.236	0		10	1.500	2.480	2.2	9900	C
A345-203R63-13H	8.000	8.546	0.236	0		16	2.500	2.480	2.2	8500	C
A345-203R63-13M	8.000	8.546	0.236	0		12	2.500	2.480	2.2	8500	C
A345-254R63-13H	10.000	10.554	0.236	0		18	2.500	2.480	2.2	7600	C
A345-254R63-13HX	10.000	10.554	0.236	0	24		2.500	2.480	2.2	7600	C
A345-254R63-13M	10.000	10.554	0.236	0		14	2.500	2.480	2.2	7600	C



CoroMill® 345, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

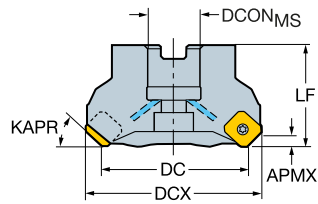
KAPR
[deg]
45.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
345-040Q22-13L	40.00	54.08	6.0	1		3	22.00	45.00	3.0	19600	A
345-040Q22-13M	40.00	54.08	6.0	1		4	22.00	45.00	3.0	19600	A
345-050Q22-13H	50.00	64.08	6.0	1	5		22.00	45.00	3.0	17500	A
345-050Q22-13L	50.00	64.08	6.0	1		3	22.00	45.00	3.0	17500	A
345-050Q22-13M	50.00	64.08	6.0	1		4	22.00	45.00	3.0	17500	A
345-063Q22-13H	63.00	77.08	6.0	1	6		22.00	45.00	3.0	15500	A
345-063Q22-13HX	63.00	77.08	6.0	1	7		22.00	45.00	3.0	15500	A
345-063Q22-13L	63.00	77.08	6.0	1		4	22.00	45.00	3.0	15500	A
345-063Q22-13M	63.00	77.08	6.0	1		5	22.00	45.00	3.0	15500	A
345-080Q27-13H	80.00	94.08	6.0	1	8		27.00	50.00	3.0	13700	A
345-080Q27-13HX	80.00	94.08	6.0	1	9		27.00	50.00	3.0	13700	A
345-080Q27-13L	80.00	94.08	6.0	1		4	27.00	50.00	3.0	13700	A
345-080Q27-13M	80.00	94.08	6.0	1		6	27.00	50.00	3.0	13700	A
345-100Q32-13H	100.00	114.08	6.0	1	10		32.00	50.00	3.0	12200	A
345-100Q32-13HX	100.00	114.08	6.0	1	11		32.00	50.00	3.0	12200	A
345-100Q32-13L	100.00	114.08	6.0	1		5	32.00	50.00	3.0	12200	A
345-100Q32-13M	100.00	114.08	6.0	1		7	32.00	50.00	3.0	12200	A
345-125Q40-13H	125.00	139.08	6.0	1	12		40.00	63.00	3.0	10900	B
345-125Q40-13HX	125.00	139.08	6.0	1	14		40.00	63.00	3.0	10900	B
345-125Q40-13L	125.00	139.08	6.0	1		6	40.00	63.00	3.0	10900	B
345-125Q40-13M	125.00	139.08	6.0	1		8	40.00	63.00	3.0	10900	B
345-160Q40-13H	160.00	174.08	6.0	0		12	40.00	63.00	3.0	9600	C
345-160Q40-13HX	160.00	174.08	6.0	0	16		40.00	63.00	3.0	9600	C
345-160Q40-13L	160.00	174.08	6.0	0		7	40.00	63.00	3.0	9600	C
345-160Q40-13M	160.00	174.08	6.0	0		10	40.00	63.00	3.0	9600	C
345-200Q60-13H	200.00	214.08	6.0	0		16	60.00	63.00	3.0	8600	C
345-200Q60-13M	200.00	214.08	6.0	0		12	60.00	63.00	3.0	8600	C
345-250Q60-13H	250.00	264.08	6.0	0		18	60.00	63.00	3.0	7700	C
345-250Q60-13M	250.00	264.08	6.0	0		14	60.00	63.00	3.0	7700	C

CoroMill® 345, cutter for face milling

Arbor shank - External coolant supply



Common data values

KAPR
[deg]

45.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
A345-080J25-13M	80.00	94.08	6.0	1	6	25.40	50.00	3.0	13700
A345-100J31-13M	100.00	114.08	6.0	1	7	31.75	50.00	3.0	12200
A345-125J38-13L	125.00	139.08	6.0	1	6	38.10	70.00	3.0	10900
A345-160J51-13M	160.00	174.08	6.0	0	10	50.80	63.00	3.0	9600
A345-200J47-13M	200.00	214.08	6.0	0	12	47.63	63.00	3.0	8600
A345-250J47-13H	250.00	264.08	6.0	0	18	47.63	63.00	3.0	7700



CoroMill® 345, cutter for face milling

Coromant Capto® - Internal coolant supply



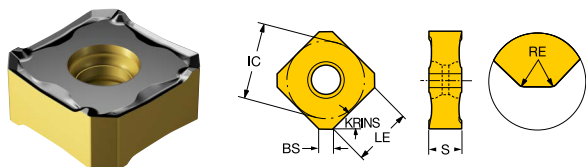
Common data values

KAPR
[deg]
45.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
345-040C4-13M	40.00	54.08	6.0	3		4	40.00	60.00	3.0	19600
345-050C5-13H	50.00	64.08	6.0	3	5		50.00	60.00	3.0	17500
345-050C5-13M	50.00	64.08	6.0	3		4	50.00	60.00	3.0	17500
345-050C6-13H	50.00	64.08	6.0	3	5		63.00	60.00	3.0	17500
345-050C6-13M	50.00	64.08	6.0	3		4	63.00	60.00	3.0	17500
345-063C5-13H	63.00	77.08	6.0	3	6		50.00	60.00	3.0	15500
345-063C5-13M	63.00	77.08	6.0	3		5	50.00	60.00	3.0	15500
345-063C6-13H	63.00	77.08	6.0	3	6		63.00	60.00	3.0	15500
345-063C6-13M	63.00	77.08	6.0	3		5	63.00	60.00	3.0	15500
345-080C6-13H	80.00	94.08	6.0	3	8		63.00	70.00	3.0	13700
345-080C6-13M	80.00	94.08	6.0	3		6	63.00	70.00	3.0	13700
345-080C8-13M	80.00	94.08	6.0	3		6	80.00	70.00	3.0	13700
345-100C8-13H	100.00	114.08	6.0	3	10		80.00	80.00	3.0	12200
345-100C8-13M	100.00	114.08	6.0	3		7	80.00	80.00	3.0	12200

CoroMill® 345, insert for milling

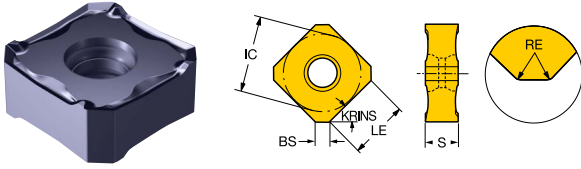


Metric (mm)

		P		H		K																			
		Ordering code		4220	3040	4220	3040	4220	H13A	1220	1020	3220	3330	K20W	3040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	KL	345R-1305E-KL			○		○		○		●	○	○	○	○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right
		345R-1305M-KL		●	○	●	○	○		●	○		○		○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right

● = First choice ○ = Good choice

CoroMill® 345, insert for milling

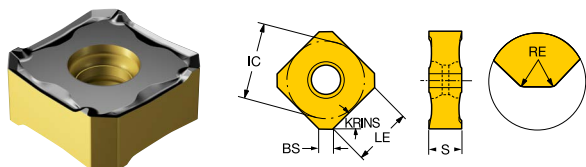


Metric (mm)

		P		H	K																	
		Ordering code		4330	3040	3040	4330	1020	3330	3220	K20W	3040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Heavy	KH	345R-1305M-KH		●	○	○	○		●	○	○	○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right
Medium	KM	345R-1305E-KM			○	○		○	●			○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right
		345R-1305M-KM			○	○			●	○	○	○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right

● = First choice ○ = Good choice

CoroMill® 345, insert for milling

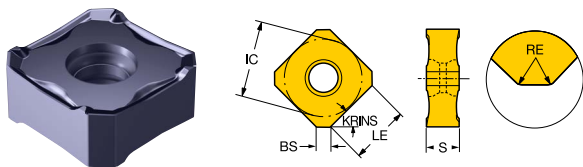


Metric (mm)

		P						H			K				M															
		Ordering code																												
		530	4340	4330	4220	1010	1230	530	4220	1010	4340	4330	4220	1010	530	4340	1230	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND			
Light	PL	345R-1305E-PL	○	○	●	○	○	○		●	○	○		○	○	○	○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right			
		345R-1305M-PL		○	●	○	○	○	○	●	○	○	○	○		○	○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right			
		P						H			K				M															

● = First choice ○ = Good choice

CoroMill® 345, insert for milling

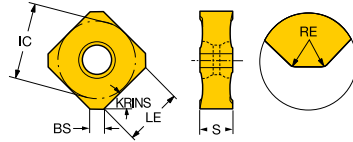
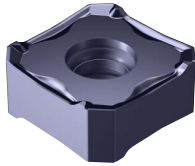


Metric (mm)

			P				S				M																	
Ordering code			1230	1040	2030	2040	S30T	S40T	1230	1040	2030	2040	S30T	S40T	1230	1040	2030	2040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	ML	345R-13T5E-ML	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	○	13	5.45	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right
Medium	MM	345R-13T5E-MM	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	○	13	5.45	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right
		345R-13T5M-MM	●	○	○	○	●	○	○	○	○	○	○	○	○	●	○	○	13	5.45	2.0	0.8	13.00	8.8	107.0	6.0	45.00	Right

● = First choice ○ = Good choice

CoroMill® 345, insert for milling



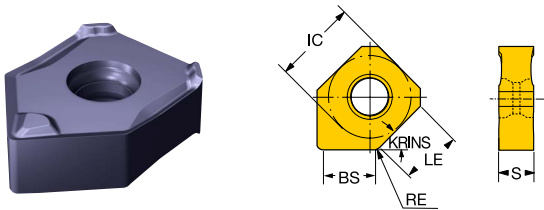
Metric (mm)

		P								S	H				K				M											
		Ordering code																SSC		S	BS	RE	IC	LE	BSR	APMX				
		530	4340	4330	4220	1230	1010	3040	1230	530	4220	1010	3040	4340	4330	4220	1010	3040	530	4340	1230	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
Heavy	PH	345R-1305M-PH	○	●	○	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0	
Medium	PM	345L-1305M-PM	○	○	●		○		○					○	○					○	○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0	
		345R-1305M-PM	○	○	●	○	○	○		○	○	○	●		○	○	○	○		○	○	○	13	5.05	2.0	0.8	13.00	8.8	107.0	6.0
		P								S	H				K				M											

● = First choice ○ = Good choice

CoroMill® 345, insert for milling

Wiper technology



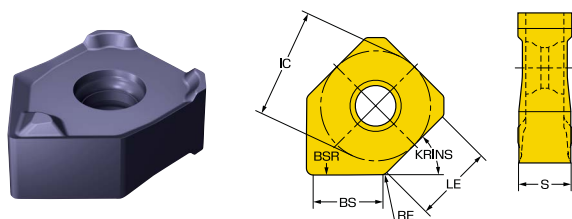
Metric (mm)

		P				S		H		K							M		N										
		Ordering code																											
		530	4330	1010	1230	H13A	1230	530	1010	4330	H13A	1220	1010	1020	3220	3330	K20W	530	1230	530	H13A	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]
Light	KW8	345N-1305E-KW8				○					○	●		○	○	○	○				●	13	5.05	8.0	1.0	13.00	8.8	500.0	6.0
	PW5	345N-1305E-PW5		●	○	○		○		●	○		○						○			13	5.05	5.0	1.0	13.00	8.8	500.0	6.0
	PW8	345N-1305E-PW8	○	●	○	○		○	○	●	○		○						○	○	○		13	5.05	8.0	1.0	13.00	8.8	500.0

● = First choice ○ = Good choice

CoroMill® 345, insert for milling

Wiper technology



Metric (mm)

		P			S			M											
Ordering code		1230	1040	S40T	1230	1040	S40T	1230	1040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light MW8	345N-13T5E-MW8	●	○	●	○	○	○	○	○	13	5.45	8.0	1.0	13.00	8.8	500.0	6.0	45.00	Neutral

● = First choice ○ = Good choice



Read more about CoroMill® 745:
sandvik.coromant.com/coromill745



CoroMill® 745

Multi-edge face milling cutter for best production economy

A negative cutter concept with a positive cutting action offers multi-edge, double-sided inserts with the cutting performance of a positive, one-sided concept.

Application

- Face milling, roughing to semi-finishing
- Multi-edge concept for large batch productions, flexible transfer lines and tool utilization

Features and benefits

- Cost-efficient with the double-sided multi-edge design and the 42° entering angle
- High feed version with 25° entering angle
- Patented insert positioning
- Quick insert changes
- Light cutting action with excellent chip evacuation
- Machining vibration-sensitive components and weak set-ups
- Soft and smooth sound



P M K S
ISO application areas

Confidence in every cut

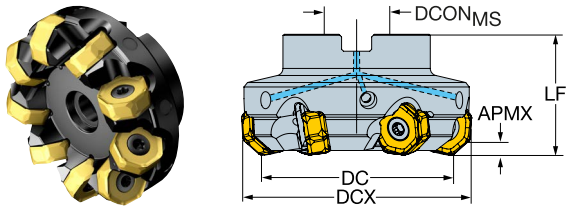
Designed for predictable performance, this solution features a secure tip seat and large, double-sided insert for process stability. Light-cutting geometries reduce power consumption while extending tool life. The result? Reliable machining you can count on, every time.





CoroMill® 745, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

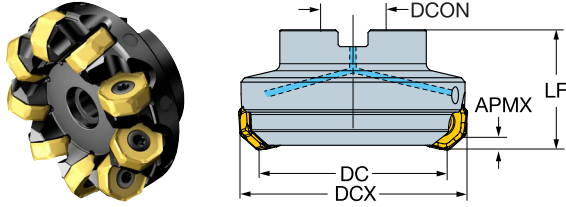
KAPR
[deg]
42.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
745-063Q22-21H	63.00	78.20	5.2	3	7		22.00	50.00	12.0	5894	A
745-063Q22-21M	63.00	78.20	5.2	3	5		22.00	50.00	12.0	5894	A
745-063Q22-21MD	63.00	78.20	5.2	3		5	22.00	46.00	12.0	5894	A
745-080Q27-21H	80.00	95.20	5.2	3	9		27.00	50.00	12.0	5324	A
745-080Q27-21M	80.00	95.20	5.2	3	6		27.00	50.00	12.0	5324	A
745-080Q27-21MD	80.00	95.20	5.2	3		6	27.00	48.00	12.0	5324	A
745-100Q32-21H	100.00	115.20	5.2	3	11		32.00	50.00	12.0	4765	A
745-100Q32-21M	100.00	115.20	5.2	3	7		32.00	50.00	12.0	4765	A
745-100Q32-21MD	100.00	115.20	5.2	3		7	32.00	50.00	12.0	4765	A
745-125Q40-21H	125.00	140.20	5.2	3	14		40.00	63.00	12.0	4216	B
745-125Q40-21M	125.00	140.20	5.2	3	8		40.00	63.00	12.0	4216	B
745-125Q40-21MD	125.00	140.20	5.2	3		8	40.00	54.00	12.0	4216	B
745-160Q40-21H	160.00	175.20	5.2	3	16		40.00	63.00	12.0	3675	B
745-160Q40-21M	160.00	175.20	5.2	3	10		40.00	63.00	12.0	3675	B
745-160Q40-21MD	160.00	175.20	5.2	3		10	40.00	60.00	12.0	3675	B
745-200Q60-21H	200.00	215.20	5.2	0	21		60.00	63.00	12.0	3292	C
745-200Q60-21M	200.00	215.20	5.2	0	14		60.00	63.00	12.0	3292	C
745-250Q60-21H	250.00	264.40	5.2	0	26		60.00	63.00	12.0	2998	C
745-250Q60-21M	250.00	264.40	5.2	0	16		60.00	63.00	12.0	2998	C

CoroMill® 745, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]

42.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
A745-080J25-21H	80.00	95.20	5.2	3	9	25.40	50.00	12.0	5324
A745-080J25-21M	80.00	95.20	5.2	3	6	25.40	50.00	12.0	5324
A745-100J31-21M	100.00	115.20	5.2	3	7	31.75	57.00	12.0	4765
A745-125J38-21M	125.00	140.20	5.2	0	8	38.10	63.00	12.0	4216
A745-160J51-21M	160.00	175.20	5.2	0	10	50.80	63.00	12.0	3675
A745-250J47-21M	250.00	264.40	5.2	0	16	47.63	63.00	12.0	2998

Common data values

KAPR
[deg]

42.0

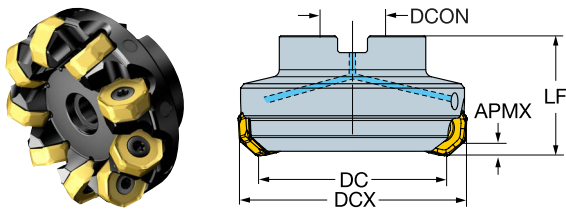
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
A745-063R25-21H	2.500	3.098	0.205	3	7		1.000	1.969	8.9	5875	A
A745-063R25-21M	2.500	3.098	0.205	3	5		1.000	1.969	8.9	5875	A
A745-063R25-21MD	2.500	3.098	0.205	3		5	1.000	1.811	8.9	5875	A
A745-076R25-21H	3.000	3.598	0.205	3	9		1.000	1.969	8.9	5443	A
A745-076R25-21M	3.000	3.598	0.205	3	6		1.000	1.969	8.9	5443	A
A745-076R25-21MD	3.000	3.598	0.205	3		6	1.000	1.969	8.9	5443	A
A745-102R38-21H	4.000	4.598	0.205	3	11		1.500	2.480	8.9	4725	A
A745-102R38-21M	4.000	4.598	0.205	3	7		1.500	2.480	8.9	4725	A
A745-102R38-21MD	4.000	4.598	0.205	3		7	1.500	2.362	8.9	4725	A
A745-127R38-21H	5.000	5.598	0.205	3	14		1.500	2.480	8.9	4178	B
A745-127R38-21M	5.000	5.598	0.205	3	8		1.500	2.480	8.9	4178	B
A745-127R38-21MD	5.000	5.598	0.205	3		8	1.500	2.126	8.9	4178	B
A745-152R38-21H	6.000	6.598	0.205	3	16		1.500	2.480	8.9	3773	B
A745-152R38-21M	6.000	6.591	0.205	3	10		1.500	2.480	8.9	3773	B
A745-152R38-21MD	6.000	6.598	0.205	3		10	1.500	2.362	8.9	3773	B
A745-203R63-21H	8.000	8.598	0.205	0	21		2.500	2.480	8.9	3296	C
A745-203R63-21M	8.000	8.598	0.205	0	14		2.500	2.480	8.9	3296	C
A745-254R63-21H	10.000	10.567	0.205	0	26		2.500	2.480	8.9	2997	C



CoroMill® 745, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

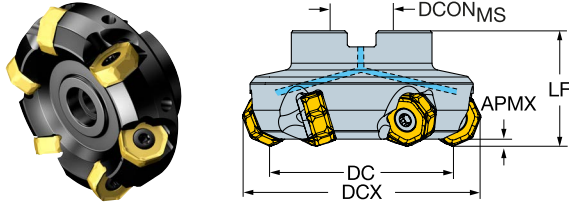
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Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
A745-254R63-21M	10.000	10.567	0.205	0	16		2.500	2.480	8.9	2997	C

CoroMill® 745, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]

25.0

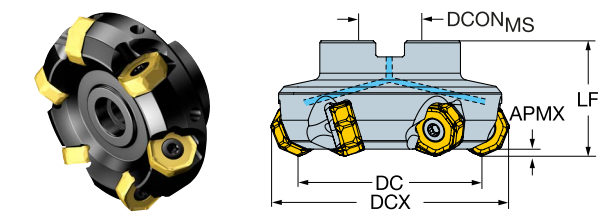
Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
725-063Q22-21H	63.00	86.40	2.8	3	7	22.00	50.00	12.0	5894	A
725-063Q22-21M	63.00	86.40	2.8	3	5	22.00	50.00	12.0	5894	A
725-080Q27-21H	80.00	103.40	2.8	3	9	27.00	50.00	12.0	5324	A
725-080Q27-21M	80.00	103.40	2.8	3	6	27.00	50.00	12.0	5324	A
725-100Q32-21H	100.00	123.40	2.8	3	11	32.00	50.00	12.0	4765	A
725-100Q32-21M	100.00	123.40	2.8	3	7	32.00	50.00	12.0	4765	A
725-125Q40-21H	125.00	148.40	2.8	3	14	40.00	63.00	12.0	4216	B
725-125Q40-21M	125.00	148.40	2.8	3	8	40.00	63.00	12.0	4216	B
725-160Q40-21H	160.00	183.40	2.8	3	16	40.00	63.00	12.0	3675	B
725-160Q40-21M	160.00	183.40	2.8	3	10	40.00	63.00	12.0	3675	B



CoroMill® 745, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

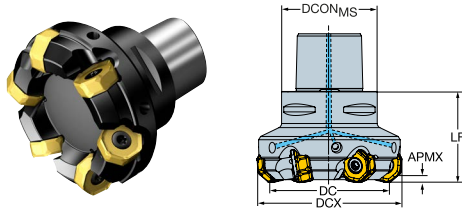
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25.0

Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]	CNSC		DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
A725-063R25-21H	2.500	3.421	0.110	3	7	1.000	1.969	8.9	5894	A
A725-063R25-21M	2.500	3.421	0.110	3	5	1.000	1.969	8.9	5894	A
A725-076R25-21H	3.000	3.921	0.110	3	9	1.000	1.969	8.9	5324	A
A725-076R25-21M	3.000	3.921	0.110	3	6	1.000	1.969	8.9	5324	A
A725-102R38-21H	4.000	4.921	0.110	3	11	1.500	2.240	8.9	4765	A
A725-102R38-21M	4.000	4.921	0.110	3	7	1.500	2.240	8.9	4765	A
A725-127R38-21H	5.000	5.921	0.110	3	14	1.500	2.480	8.9	4216	B
A725-127R38-21M	5.000	5.921	0.110	3	8	1.500	2.480	8.9	4216	B
A725-152R38-21H	6.000	6.921	0.110	3	16	1.500	2.480	8.9	3675	B
A725-152R38-21M	6.000	6.921	0.110	3	10	1.500	2.480	8.9	3675	B

CoroMill® 745, cutter for face milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]

42.0

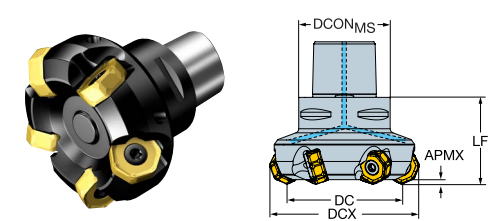
Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
745-063C5-21H	63.00	78.20	5.2	3	7	50.00	60.00	12.0	5894
745-063C5-21M	63.00	78.20	5.2	3	5	50.00	60.00	12.0	5894
745-063C6-21H	63.00	78.20	5.2	3	7	63.00	60.00	12.0	5894
745-063C6-21M	63.00	78.20	5.2	3	5	63.00	60.00	12.0	5894
745-080C6-21H	80.00	95.20	5.2	3	9	63.00	60.00	12.0	5324
745-080C6-21M	80.00	95.20	5.2	3	6	63.00	60.00	12.0	5324
745-080C8-21H	80.00	95.20	5.2	3	9	80.00	65.00	12.0	5324
745-080C8-21M	80.00	95.20	5.2	3	6	80.00	65.00	12.0	5324
745-100C8-21H	100.00	115.20	5.2	3	11	80.00	65.00	12.0	4765
745-100C8-21M	100.00	115.20	5.2	3	7	80.00	65.00	12.0	4765



CoroMill® 745, cutter for face milling

Coromant Capto® - Internal coolant supply



Common data values

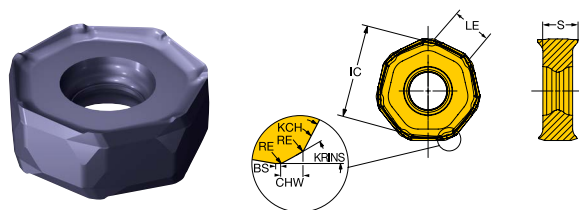
KAPR
[deg]
25.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
725-063C5-21H	63.00	86.40	2.8	3	7	50.00	60.00	12.0	5894
725-063C5-21M	63.00	86.40	2.8	3	5	50.00	60.00	12.0	5894
725-063C6-21H	63.00	86.40	2.8	3	7	63.00	60.00	12.0	5894
725-063C6-21M	63.00	86.40	2.8	3	5	63.00	60.00	12.0	5894
725-080C6-21H	80.00	103.40	2.8	3	9	63.00	65.00	12.0	5324
725-080C6-21M	80.00	103.40	2.8	3	6	63.00	65.00	12.0	5324
725-080C8-21H	80.00	103.40	2.8	3	9	80.00	65.00	12.0	5324
725-080C8-21M	80.00	103.40	2.8	3	6	80.00	65.00	12.0	5324
725-100C8-21H	100.00	123.40	2.8	3	11	80.00	65.00	12.0	4765
725-100C8-21M	100.00	123.40	2.8	3	7	80.00	65.00	12.0	4765

CoroMill® 745, insert for milling

R = Right hand, L = Left hand



Metric (mm)

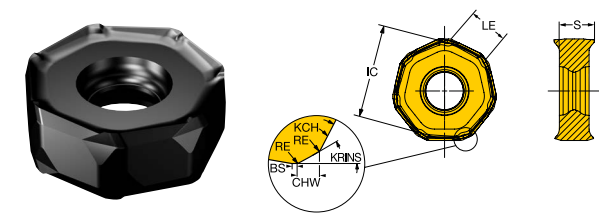
			P								S				K				M																
			Ordering code		4240	4230	4220	1230	1040	2030	2040	3040	S30T	S40T	1040	2030	2040	4240	4230	4220	K20D	1020	K20W	3040	4240	S30T	S40T	1040	2030	2040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]
					○	●	○	○			○							○	○	○	○	●	○	○											
Medium	M30	745R-2109E-M30	○	●	○	○				○								○	○	○	○	●	○	○							21	9.00	0.3	1.0	21.00
	M31	745R-2109E-M31	○	●	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	21	9.00	1.9	1.0
			P								S				K				M																

● = First choice ○ = Good choice



CoroMill® 745, insert for milling

R = Right hand, L = Left hand



Metric (mm)

			P					K																		
Ordering code			4240	4230	4220	1230	3040	4240	4230	4220	K20D	K20W	3040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	KCH [deg]	CHW [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND	
Heavy	H50	745R-2109E-H50	○	●	○		○	○	○	○	○	○	●	21	9.00	0.3	1.0	21.00	17.0	1.3	8.9	25.0	5.2	42.00	Right	
Medium	M50	745L-2109E-M50		●				○		○	○		21	9.00	0.3	1.0	21.00	17.0	1.3	8.5	25.0	5.2	42.00	Left		
		745R-2109E-M50	○	●	○	○	○	○	○	○	○	○	●	21	9.00	0.3	1.0	21.00	17.0	1.3	8.9	25.0	5.2	42.00	Right	
			P					K																		

● = First choice ○ = Good choice



Read more about CoroMill® 365:
sandvik.coromant.com/coromill365



CoroMill® 365

Secure face milling in cast iron and steel

CoroMill® 365 is the essential tool for rough to semi-finish face milling of cast iron and steel components. Use the tool for large series production and applications where high metal removal rate is critical.

Application

- Face milling cutter developed for machining in ISO K material, but also works well in ISO P and ISO H materials
- Diameter range: 40–250 mm (1.50–10.0 inch), 160–500 mm (12.0–18.0 inch) (Wedge clamp)

Features and benefits

- Inserts with ability to machine down to AP=6 mm (0.236 inch)
- Unique design with eight true cutting edges for high productivity machining to achieve low cost per component
- Multi-edge self-located insert provides robust and reliable machining
- The higher density of inserts in the cutter body means that higher table feeds can be implemented to give exceptional manufacturing economy
- Geometry and grade laser marked on the insert for easy identification



P M K N S H
ISO application areas

High metal removal and low cost

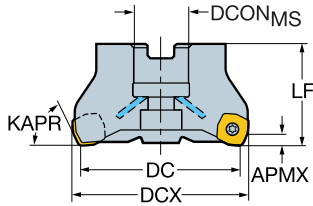
Coromill® 365 is also available as a wedge clamp solution that is engineered for large series production. This solution excels in cast iron and steel, delivering high metal removal rates with ease. These high insert density cutters can go with higher table feeds meaning lower cost per component.





CoroMill® 365, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
65.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R365-050Q22-S15H	50.00	56.70	6.0	1	5		22.00	50.00	3.0	15700	A
R365-063Q22-S15H	63.00	69.70	6.0	1	6		22.00	50.00	3.0	13600	A
R365-063Q22-S15M	63.00	69.70	6.0	1		5	22.00	50.00	3.0	13600	A
R365-080Q27-S15H	80.00	86.70	6.0	1	8		27.00	50.00	3.0	11500	A
R365-080Q27-S15M	80.00	86.70	6.0	1		6	27.00	50.00	3.0	11500	A
R365-100Q32-S15H	100.00	106.70	6.0	1	10		32.00	50.00	3.0	9900	A
R365-100Q32-S15M	100.00	106.70	6.0	1		7	32.00	50.00	3.0	9900	A
R365-125Q40-S15H	125.00	131.70	6.0	1	12		40.00	63.00	3.0	8500	B
R365-125Q40-S15M	125.00	131.70	6.0	1		8	40.00	63.00	3.0	8500	B
R365-160Q40-S15H	160.00	166.70	6.0	0	14		40.00	63.00	3.0	7500	C
R365-160Q40-S15M	160.00	166.70	6.0	0		10	40.00	63.00	3.0	7500	C

R = Right hand, L = Left hand

Common data values

KAPR
[deg]
65.0

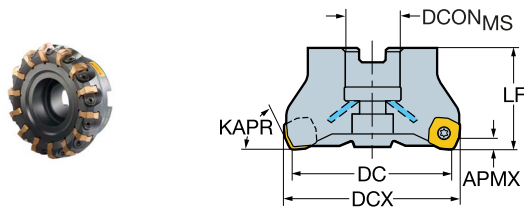
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
RA365-051R19-S15H	2.000	2.264	0.236	1	5		0.750	1.969	2.2	15700	A
RA365-063R19-S15H	2.500	2.764	0.236	1	6		0.750	1.969	2.2	13500	A
RA365-063R19-S15M	2.500	2.764	0.236	1		5	0.750	1.969	2.2	13500	A
RA365-076R25-S15H	3.000	3.264	0.236	1	8		1.000	1.969	2.2	11900	A
RA365-076R25-S15M	3.000	3.264	0.236	1		6	1.000	1.969	2.2	11900	A
RA365-102R38-S15H	4.000	4.264	0.236	1	10		1.500	1.969	2.2	9900	A
RA365-102R38-S15M	4.000	4.264	0.236	1		7	1.500	1.969	2.2	9900	A
RA365-127R38-S15H	5.000	5.264	0.236	0	12		1.500	2.480	2.2	8800	B
RA365-127R38-S15M	5.000	5.264	0.236	0		8	1.500	2.480	2.2	8800	B
RA365-152R38-S15H	6.000	6.264	0.236	0	14		1.500	2.480	2.2	7900	B
RA365-152R38-S15M	6.000	6.264	0.236	0		10	1.500	2.480	2.2	7900	B

R = Right hand, L = Left hand

CoroMill® 365, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]

65.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
L365-080Q27-W15H	80.00	86.70	6.0	10	27.00	50.00	6.0	11200	A
L365-125Q40-W15H	125.00	131.70	6.0	18	40.00	63.00	6.0	8800	B
R365-080Q27-W15H	80.00	86.70	6.0	10	27.00	50.00	6.0	11200	A
R365-100Q32-W15H	100.00	106.70	6.0	14	32.00	50.00	6.0	9900	A
R365-125Q40-W15H	125.00	131.70	6.0	18	40.00	63.00	6.0	8800	B
R365-160Q40-W15H	160.00	166.70	6.0	22	40.00	63.00	6.0	7700	C
R365-200Q60-W15H	200.00	206.70	6.0	28	60.00	63.00	6.0	6800	C
R365-250Q60-W15H	250.00	256.70	6.0	36	60.00	63.00	6.0	6100	C

R = Right hand. L = Left hand

Common data values

KAPR
[deg]

65.0

Imperial (inch)

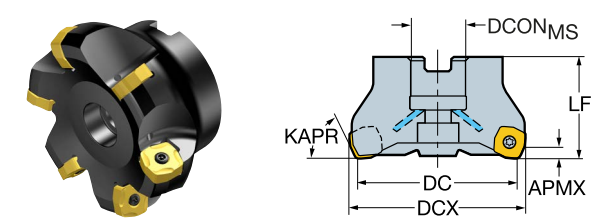
Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]		DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
LA365-102R38-W15H	4.000	4.264	0.236	14	1.500	1.969	4.4	9800	A
RA365-076R25-W15H	3.000	3.264	0.236	10	1.000	1.969	4.4	11600	A
RA365-102R38-W15H	4.000	4.264	0.236	14	1.500	1.969	4.4	9800	A
RA365-127R38-W15H	5.000	5.264	0.236	18	1.500	2.480	4.4	8700	B

R = Right hand. L = Left hand



CoroMill® 365, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
65.0

Metric (mm)

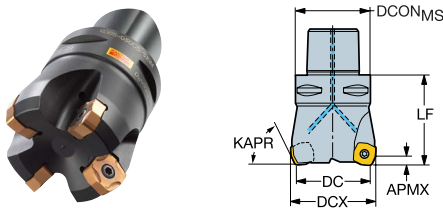
Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
RA365-080J25-S15H	80.00	86.70	6.0	1	8		25.40	50.00	3.0	11500
RA365-100J31-S15H	100.00	106.70	6.0	1	10		31.75	63.00	3.0	9900
RA365-100J31-S15M	100.00	106.70	6.0	0		7	31.75	63.00	3.0	9900
RA365-125J38-S15H	125.00	131.40	6.0	1	12		38.10	63.00	3.0	8500
RA365-125J38-S15M	125.00	131.70	6.0	0		8	38.10	63.00	3.0	8500
RA365-160J51-S15H	160.00	166.70	6.0	0	14		50.80	63.00	3.0	7500

R = Right hand, L = Left hand



CoroMill® 365, cutter for face milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]
65.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
R365-063C6-S15M	60.00	69.70	6.0	3	5	63.00	60.00	3.0	13600

R = Right hand, L = Left hand

Common data values

KAPR
[deg]
65.0

Imperial (inch)

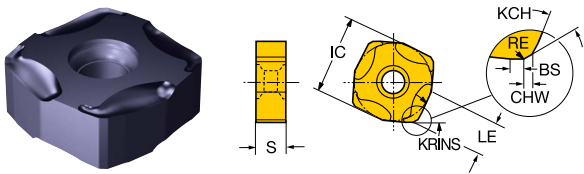
Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]	CNSC		DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
RA365-051C5-S15M	2.000	2.264	0.236	3	4	1.969	2.362	2.2	15700

R = Right hand, L = Left hand



CoroMill® 365, insert for milling

R = Right hand, L = Left hand



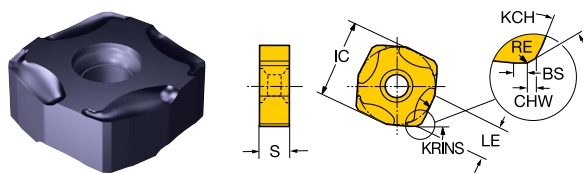
Metric (mm)

			P			S	H	K								M												
			Ordering code																SSC	S	BS	RE	IC	KCH	CHW	LE	BSR	APMX
			4220	4330	1010	1230	1230	4220	1010	4220	4330	1220	K20D	1010	1020	3330	K20W	1230		[mm]	[mm]	[mm]	[mm]	[deg]	[mm]	[mm]	[mm]	[mm]
Medium	KM	L365-1505ZNE-KM											○		○	●	○	15	5.66	1.5	0.3	15.00	35.0	0.7	6.4		6.0	
		R365-1505ZNE-KM										○	○		○	●	○	15	5.66	1.5	0.3	15.00	35.0	0.7	6.4	150.0	6.0	
	PM	R365-1505ZNE-PM	○	●	○	○	○	○	●	○	○			○				○	15	5.66	1.5	0.3	15.00	35.0	0.7	6.4	150.0	6.0

● = First choice ○ = Good choice

CoroMill® 365, insert for milling

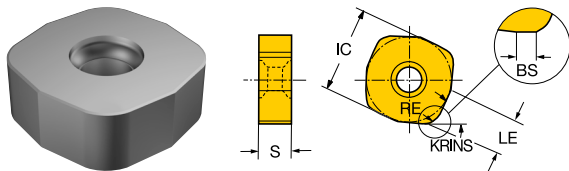
R = Right hand, L = Left hand



Metric (mm)

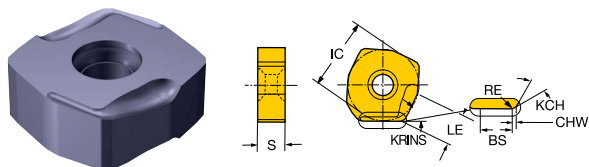
		P							K							M					
		Ordering code																			
		1230	1220	K20D	1020	3330	K20W	1230	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	KCH [deg]	CHW [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND	
Light	KL	L365-1505ZNE-KL			●	○			15	5.66	1.5	0.3	15.00	30.0	0.7	6.4	150.0	6.0	65.00	Left	
		R365-1505ZNE-KL	●	○	○	○	○		15	5.66	1.5	0.3	15.00	35.0	0.7	6.4	150.0	6.0	65.00	Right	
	PL	R365-1505ZNE-PL	●					○	15	5.66	1.5	0.3	15.00	35.0	0.7	6.4	150.0	6.0	65.00	Right	

● = First choice ○ = Good choice

[illegible]

CoroMill® 365, insert for milling

Wiper technology



Metric (mm)

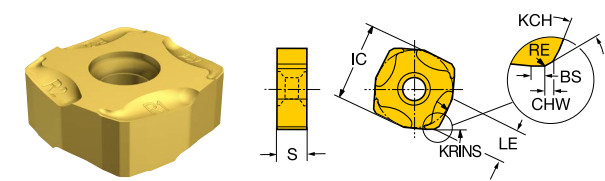
		P H M																		
		Ordering code					SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	KCH [deg]	CHW [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND		
Light	PW4	N365-1505ZNE-PW4	●	○	○	○	○	15	5.66	4.0	0.6	15.00	35.0	0.8	6.4	200.0	6.0	65.00	Neutral	
	PW8	N365-1505ZNE-PW8	●			○		15	5.66	8.0	0.2	15.00	35.0	0.8	6.4	431.0	6.0	65.00	Neutral	

● = First choice ○ = Good choice



CoroMill® 365, insert for milling

R = Right hand, L = Left hand



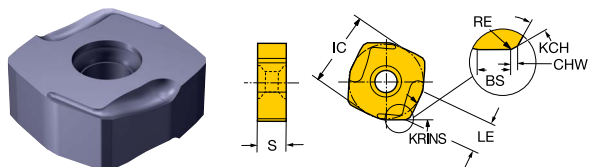
Metric (mm)

		K																
Ordering code		1220	1020	3220	3330	K20W	SSC	S	BS	RE	IC	KCH	CHW	LE	APMX	KRINS	HAND	
								[mm]	[mm]	[mm]	[mm]	[deg]	[mm]	[mm]	[mm]	[deg]		
Medium	M50	L365-1505ZNM-M50	○	○	●	○	15	5.66	1.5	0.3	15.00	35.0	0.7	6.4	6.0	65.00	Left	
		R365-1505ZNM-M50	○	○	○	●	15	5.66	1.5	0.3	15.00	35.0	0.7	6.4	6.0	65.00	Right	

● = First choice ○ = Good choice

CoroMill® 365, insert for milling

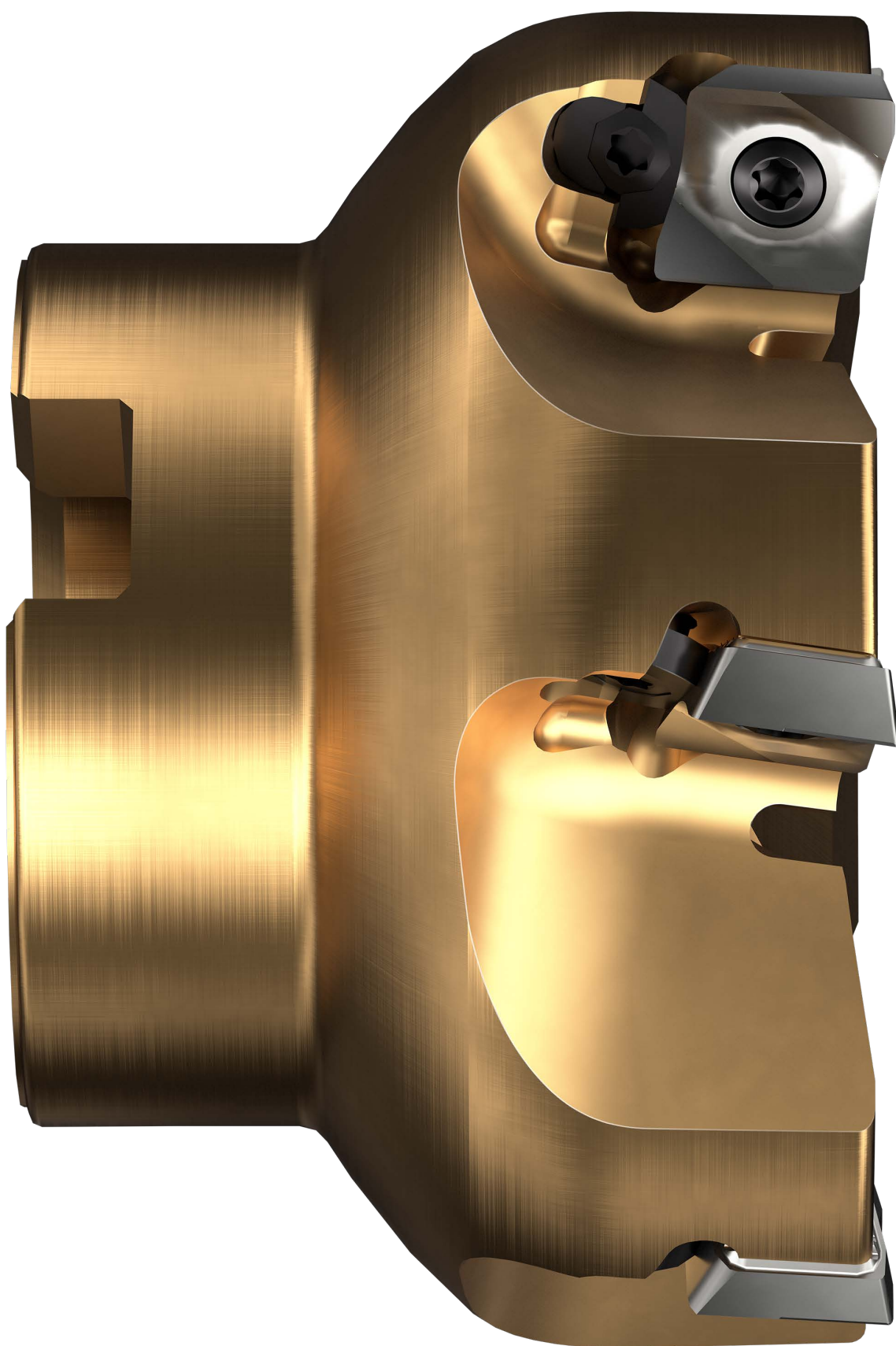
Wiper technology



Metric (mm)

		K																	
		Ordering code					SSC	S	BS	RE	IC	KCH	CHW	LE	BSR	APMX	KRINS	HAND	
		1220	1020	3220	3330	K20W		[mm]	[mm]	[mm]	[mm]	[deg]	[mm]	[mm]	[mm]	[mm]	[deg]		
Light	KW4	N365-1505ZNE-KW4	●	○	○	○	15	5.66	4.0	0.6	15.00	35.0	0.8	6.4	200.0	6.0	65.00	Neutral	
Light	KW8	N365-1505ZNE-KW8		●	○	○	15	5.66	8.0	0.2	15.00	35.0	0.8	6.4	431.0	6.0	65.00	Neutral	

● = First choice ○ = Good choice



Read more about CoroMill® Century:
[sandvik.coromant.com/
coromillcentury](https://sandvik.coromant.com/coromillcentury)



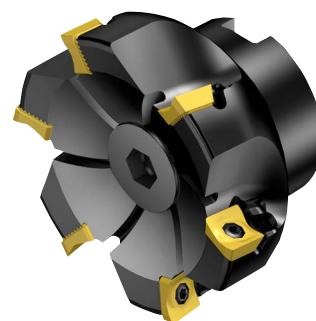
CoroMill® Century (590)

Light cutting face mill for high speed finishing

CoroMill® Century is a face milling tool system with aluminium or steel body for high speed machining. The tool is designed with serrated insert interface for safe performance and reduced run-out. The axial position of the inserts can easily be micro set with high accuracy.

Application

- Face and square shoulder milling for ISO N
- CBN grades for high-speed machining in ISO K



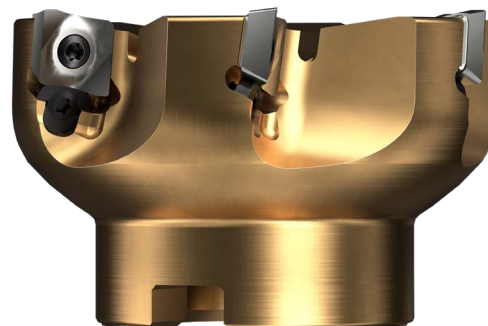
P M K N S H
ISO application areas

Features and benefits

- High speed machining security by design
- Intensified chip evacuation through accelerated cutting fluid
- Easy setting to micro precision within 0.1 mm (0.0039 inch) setting range
- High-alloy aluminium body with Arbor mounting
- Insert geometries and grades for all materials including PCD and CBN
- Wiper insert option for high feed finishing
- Exchangeable cassettes for large diameters

Precision finishing at high speed

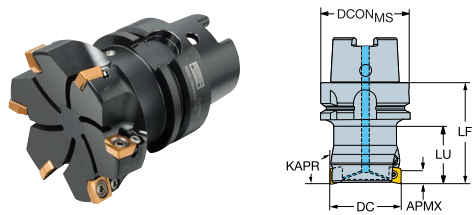
Achieve ultra-smooth finishes at top speeds with a lightweight, micro-adjustable tool built for precision. A secure interface and enhanced chip evacuation keep productivity high and surface defects low.





CoroMill® Century, cutter for face milling

HSK-A - Internal coolant supply



Common data values

KAPR
[deg]
90.0

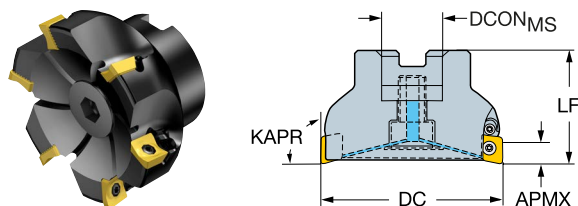
Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R590-040HA06-11M	40.00	11.0	1	3	63.00	71.00	40.00	3.0	20000	A
R590-050HA06-11M	50.00	11.0	1	4	63.00	71.00	40.00	3.0	20000	A
R590-063HA06-11M	63.00	11.0	1	5	63.00	71.00	40.00	3.0	25000	A
R590-080HA06-11M	80.00	11.0	1	6	63.00	71.00		3.0	20000	A
R590-100HA06-11M	100.00	11.0	1	6	63.00	80.00		3.0	20000	A

R = Right hand, L = Left hand

CoroMill® Century, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
90.0

Metric (mm)

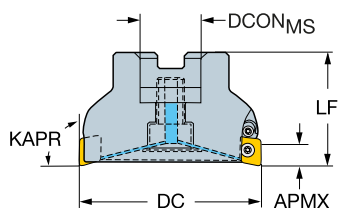
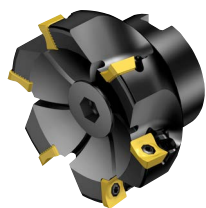
Ordering code	DC [mm]	APMX [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET	DBC [mm]
R590-050Q22S-11M	50.00	11.0	1	4	22.00	40.00	3.0	41600	A	
R590-063Q22S-11M	63.00	11.0	1	5	22.00	40.00	3.0	35100	A	
R590-080Q27A-11M	80.00	11.0	1	6	27.00	50.00	3.0	27500	A	
R590-080Q27S-11M	80.00	11.0	1	6	27.00	50.00	3.0	27500	A	
R590-100Q32A-11M	100.00	11.0	1	6	32.00	50.00	3.0	23800	A	
R590-100Q32S-11M	100.00	11.0	1	6	32.00	50.00	3.0	23800	A	
R590-125Q40A-11M	125.00	11.0	1	8	40.00	63.00	3.0	20700	B	
R590-125Q40S-11M	125.00	11.0	1	8	40.00	63.00	3.0	20700	B	
R590-160Q40A-11M	160.00	11.0	1	10	40.00	63.00	3.0	17900	B	
R590-160Q40S-11M	160.00	11.0	1	10	40.00	63.00	3.0	17900	B	
R590-200Q60A-11M	200.00	11.0	0	16	60.00	63.00	3.0	15700	C	101.6
R590-200Q60S-11M	200.00	11.0	0	16	60.00	63.00	3.0	15700	C	101.6

R = Right hand, L = Left hand



CoroMill® Century, cutter for face milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
RA590-080J25A-11M	80.00	11.0	1	6	25.40	50.00	3.0	27500
RA590-080J25S-11M	80.00	11.0	1	6	25.40	50.00	3.0	27500
RA590-100J31A-11M	100.00	11.0	1	6	31.75	63.00	3.0	23800
RA590-100J31S-11M	100.00	11.0	1	6	31.75	63.00	3.0	23800
RA590-125J38A-11M	125.00	11.0	1	8	38.10	63.00	3.0	20700
RA590-125J38S-11M	125.00	11.0	1	8	38.10	63.00	3.0	20700
RA590-160J38A-11M	160.00	11.0	1	10	38.10	63.00	3.0	17900

R = Right hand, L = Left hand

Common data values

KAPR
[deg]
90.0

Imperial (inch)

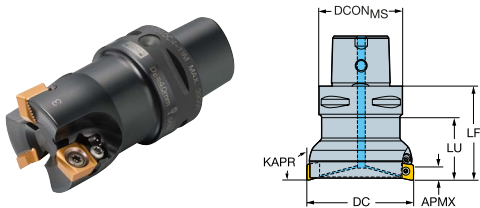
Ordering code	DC [inch]	APMX [inch]	CNSC		DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET	DBC [inch]
RA590-051R19S-11M	2.000	0.433	1	4	0.750	1.575	2.2	41100	A	
RA590-063R19S-11M	2.500	0.433	1	5	0.750	1.575	2.2	34900	A	
RA590-076R25A-11M	3.000	0.433	1	6	1.000	1.969	2.2	28400	A	
RA590-076R25S-11M	3.000	0.433	1	6	1.000	1.969	2.2	28400	A	
RA590-102R38A-11M	4.000	0.433	1	6	1.500	2.480	2.2	23500	A	
RA590-102R38S-11M	4.000	0.433	1	6	1.500	2.480	2.2	23500	A	
RA590-127R38A-11M	5.000	0.433	1	8	1.500	2.480	2.2	20500	B	
RA590-127R38S-11M	5.000	0.433	1	8	1.500	2.480	2.2	20500	B	
RA590-152R38A-11M	6.000	0.433	1	10	1.500	2.480	2.2	18400	B	
RA590-152R38S-11M	6.000	0.433	1	10	1.500	2.480	2.2	18400	B	
RA590-203R63A-11M	8.000	0.433	0	16	2.500	2.480	2.2	15600	C	4.00
RA590-203R63S-11M	8.000	0.433	0	16	2.500	2.480	2.2	15600	C	4.00

R = Right hand, L = Left hand



CoroMill® Century, cutter for face milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR [deg]
90.0

Metric (mm)

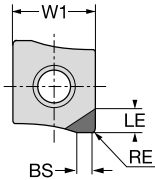
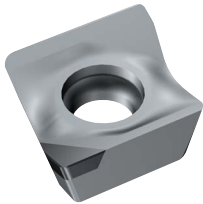
Ordering code	DC [mm]	APMX [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R590-040C3-11M	40.00	11.0	3	3	32.00	55.00	40.00	3.0	48000
R590-040C4-11M	40.00	11.0	3	3	40.00	63.00	40.00	3.0	39000
R590-050C5-11M	50.00	11.0	3	4	50.00	63.00	40.00	3.0	28000
R590-063C5-11M	63.00	11.0	3	5	50.00	63.00	40.00	3.0	28000
R590-080C6-11M	80.00	11.0	3	6	63.00	71.00		3.0	20000

R = Right hand, L = Left hand



CoroMill® Century, insert for milling

R = Right hand, L = Left hand



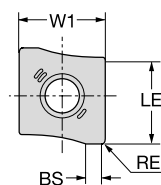
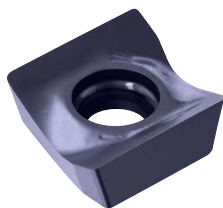
Metric (mm)

		N													
		Ordering code	CD10	SSC	S [mm]	BS [mm]	RE [mm]	KCH [deg]	CHW [mm]	W1 [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	NL	R590-1105H-PC2-NL	●	11	5.00	1.5		45.0	1.0	11.5	3.0	200.0	2.0	90.00	Right
		R590-1105H-PC5-NL	●	11	5.00	1.5		45.0	1.0	11.5	6.0	200.0	2.0	90.00	Right
		R590-1105H-PR2-NL	●	11	5.00	2.2	0.4			11.5	3.0	200.0	2.0	90.00	Right
		R590-1105H-PR5-NL	●	11	5.00	2.2	0.4			11.5	6.0	200.0	5.0	90.00	Right
		R590-1105H-PS2-NL	●	11	5.00	2.2		45.0	0.3	11.5	3.0	200.0	2.0	90.00	Right
		R590-1105H-PS5-NL	●	11	5.00	2.2		45.0	0.1	11.5	6.0	200.0	5.0	90.00	Right

● = First choice ○ = Good choice

CoroMill® Century, insert for milling

R = Right hand, L = Left hand



Metric (mm)

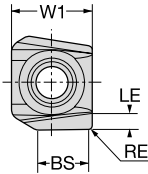
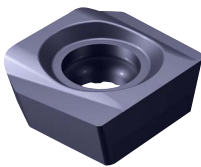
		P S K M N																						
		Ordering code						1230	1230	H10	1220	1020	1230	H10	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	KL	R590-110508H-KL				●	○							11	5.00	1.7	0.8	11.5	11.0	200.0	10.0	90.00	Right	
	NL	R590-110504H-NL			○							●	11	5.00	2.0	0.4	11.5	11.0	200.0	10.0	90.00	Right		
	PL	R590-110508H-PL	●	○				○					11	5.00	1.7	0.8	11.5	11.0	200.0	10.0	90.00	Right		
		P S K M N																						

● = First choice ○ = Good choice



CoroMill® Century, insert for milling

Wiper technology



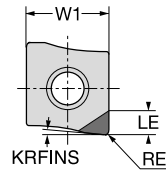
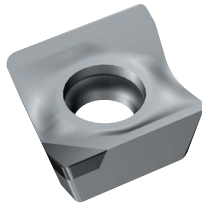
Metric (mm)

		P S K M N																
Ordering code		1230	1230	H10	1220	1020	1230	H10	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	KTW	R590-110504H-KTW				●			11	5.00	7.0	0.4	11.5	2.0		2.0	90.00	Right
	KW	R590-110508H-KW			●	○			11	5.00	7.0	0.8	11.5	2.0	500.0	2.0	90.00	Right
	NW	R590-110504H-NW		○			●		11	5.00	7.0	0.4	11.5	2.0	500.0	2.0	90.00	Right
	PTW	R590-110504H-PTW	●	○			○		11	5.00	7.0	0.4	11.5	2.0		2.0	90.00	Right
	PW	R590-110508H-PW	●	○			○		11	5.00	7.0	0.8	11.5	2.0	500.0	2.0	90.00	Right

● = First choice ○ = Good choice

CoroMill® Century, insert for milling

R = Right hand, L = Left hand

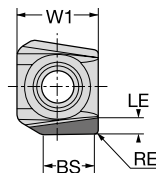
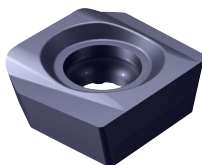


Metric (mm)

		N									
Ordering code		CD10	SSC	S [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND	
Light	NFR	R590-110504H-PR2-NFR	●	11	5.00	0.4	11.5	3.0	2.0	90.00	Right

● = First choice ○ = Good choice

Wiper technology



Metric (mm)

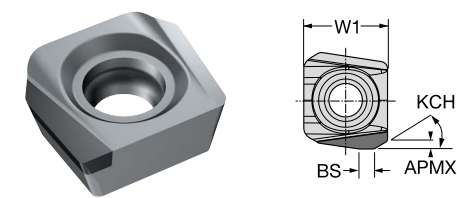
		N													
		Ordering code	CD10	SSC	S [mm]	BS [mm]	RE [mm]	KCH [deg]	CHW [mm]	W1 [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	NW	R590-1105H-RC2-NW	●	11	5.00	6.0		45.0	1.2	11.5	3.0	500.0	2.0	90.00	Right
		R590-1105H-RR2-NW	●	11	5.00	6.8	0.4			11.5	3.0	500.0	2.0	90.00	Right
		R590-1105H-RS2-NW	●	11	5.00	7.0		45.0	0.3	11.5	3.0	500.0	2.0	90.00	Right
		N													

● = First choice ○ = Good choice



CoroMill® Century, insert for milling

Advanced cutting materials



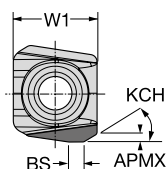
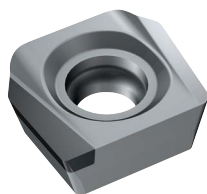
Metric (mm)

			H	K											
Ordering code			CB50	CB50	SSC	S [mm]	BS [mm]	KCH [deg]	CHW [mm]	W1 [mm]	LE [mm]	BSR [mm]	APMX [mm]	KRINS [deg]	HAND
Light	KL	L590-1105H-ZC2-KL	○	○	11	5.00	2.3	60.0	1.5	11.5	3.0	200.0	1.2	90.00	Left
		R590-1105H-ZC2-KL	○	○	11	5.00	2.3	60.0	1.5	11.5	3.0	200.0	1.2	90.00	Right
			H	K											

● = First choice ○ = Good choice

CoroMill® Century, insert for milling

Wiper technology

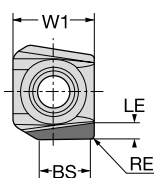


Metric (mm)

		H K													
		CB50	CB50	SSC	S	BS	KCH	CHW	W1	LE	BSR	APMX	KRINS	HAND	
Ordering code					[mm]	[mm]	[deg]	[mm]	[mm]	[mm]	[mm]	[mm]	[deg]		
Light	KW	L590-1105H-ZC2-KW	○	○	11	5.00	5.9	60.0	1.5	11.5	3.0	390.0	1.2	90.00	Left
		R590-1105H-ZC2-KW	○	○	11	5.00	5.9	60.0	1.5	11.5	3.0	390.0	1.2	90.00	Right

● = First choice ○ = Good choice

Wiper technology



Metric (mm)

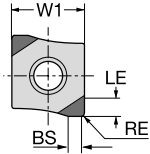
		H		K										
		CB50	CB50	SSC	S	BS	RE	W1	LE	BSR	APMX	KRINS	HAND	
Ordering code					[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[deg]		
Light	NW	R590-110508H-PR2-KW	○	○	11	5.00	7.1	0.8	11.5	2.0	393.0	2.0	90.00	Right

● = First choice ○ = Good choice



CoroMill® Century, insert for milling

Advanced cutting materials

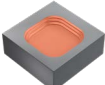
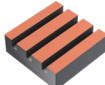
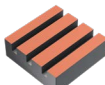
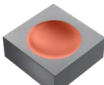
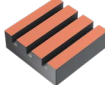
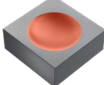
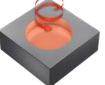


Metric (mm)

		H		K										
Ordering code		CB50	CB50	SSC	S	BS	RE	W1	LE	BSR	APMX	KRINS	HAND	
					[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[deg]		
Medium KM	R590-110508H-PR2-KM	○	○	11	5.00	1.5	0.8	11.5	2.0	25.0	2.0	90.00	Right	

● = First choice ○ = Good choice

High feed milling

Tool	Material	Main applications	Secondary applications
CoroMill® MH20 	P M S H	  	     
CoroMill® 210 	P M K S H	  	   
CoroMill® 419 	P M K S H		    



Read more about CoroMill® MH20:
sandvik.coromant.com/coromillmh20



CoroMill® MH20

High feed pocket milling

CoroMill® MH20 ensures secure and vibration-free machining with long overhangs thanks to its light-cutting action in combination with a robust shank design.

Application

- High feed pocket milling, corner machining, ramping, helical ramping, full slotting, plunge milling, shoulder milling and face milling
- For roughing and semi-finishing
- Main industry segments are aerospace, oil and gas and die and mould

Features and benefits

- Versatile concept, suitable for all types of high-feed milling operation
- Internal coolant for optimal chip evacuation and high productivity in ISO S applications
- Optimized edge-line security for reliable corner machining and pocket milling enables unsupervised machining.
- Excellent stability at long overhangs with very limited vibrations
- Light-cutting action ensures less power consumption and hence enables the use of smaller machines



Stable high-feed milling at long overhangs

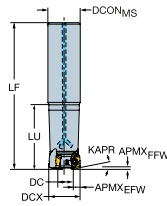
Designed for secure, vibration-free machining, this solution excels in high-feed operations with long overhangs. Low-resistance cutting and a robust shank design enable high productivity, even in challenging setups.





CoroMill® MH20, cutter for high feed milling

Cylindrical shank - Internal coolant supply



Common data values

KAPR
[deg]

15.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LF [mm]	LU [mm]	TQ [Nm]
MH20-R016A16-06L	7.57	16.00	4.2	0.8	9.50	0.7	1	2		16.00	16.0	100.00	40.00	0.9
MH20-R020A20-06L	11.57	20.00	4.2	0.8	5.80	0.7	1	2		20.00	20.0	180.00	80.00	0.9
MH20-R020A20-06M	11.57	20.00	4.2	0.8	5.80	0.7	1	3		20.00		120.00	40.00	0.9
MH20-R020A20-08L	9.35	20.00	5.3	1.2	9.60	0.9	1	2		20.00		120.00	40.00	1.4
MH20-R025A25-06H	16.57	25.00	4.2	0.8	3.70	0.7	1		4	25.00		150.00	50.00	0.9
MH20-R025A25-06M	16.57	25.00	4.2	0.8	3.70	0.7	1		3	25.00		200.00	80.00	0.9
MH20-R025A25-08L	14.35	25.00	5.3	1.2	5.70	0.9	1	2		25.00		200.00	100.00	2.0
MH20-R025A25-08M	14.35	25.00	5.3	1.2	5.70	0.9	1		3	25.00		150.00	50.00	2.0
MH20-R032A32-06H	23.57	32.00	4.2	0.8	2.40	0.7	1		5	32.00		210.00		0.9
MH20-R032A32-08L	21.35	32.00	5.3	1.2	3.60	0.9	1		3	32.00		210.00	100.00	2.0
MH20-R032A32-08M	21.35	32.00	5.3	1.2	3.60	0.9	1	4		32.00		150.00	60.00	2.0

R = Right hand, L = Left hand

Common data values

KAPR
[deg]

15.0

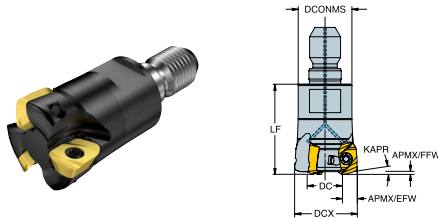
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
MH20-AR016O16-06L	0.293	0.625	0.165	0.031	10.10	0.028	1	2		0.625	3.937	1.575	0.7	23800
MH20-AR019O19-06L	0.418	0.750	0.165	0.031	6.50	0.028	1	2		0.750	7.087	3.150	0.7	15100
MH20-AR019O19-06M	0.418	0.750	0.165	0.031	6.50	0.028	1	3		0.750	4.724	1.575	0.7	23900
MH20-AR019O19-08L	0.331	0.750	0.209	0.047	10.70	0.035	1	2		0.750	4.724	1.575	1.0	24000
MH20-AR025O25-06H	0.668	1.000	0.165	0.031	3.60	0.028	1		4	1.000	5.906	1.969	0.7	20700
MH20-AR025O25-06M	0.668	1.000	0.165	0.031	3.60	0.028	1		3	1.000	7.874	3.937	0.7	18800
MH20-AR025O25-08L	0.581	1.000	0.209	0.047	5.50	0.035	1	2		1.000	7.874	3.937	1.5	18800
MH20-AR025O25-08M	0.581	1.000	0.209	0.047	5.50	0.035	1	3		1.000	5.906	1.969	1.5	20700
MH20-AR032O32-06H	0.918	1.250	0.165	0.031	2.40	0.028	1		5	1.250	8.268		0.7	18500
MH20-AR032O32-08L	0.831	1.250	0.209	0.047	3.60	0.035	1		3	1.250	8.268	3.937	1.5	18500
MH20-AR032O32-08M	0.831	1.250	0.209	0.047	3.60	0.035	1	4		1.250	5.906	2.362	1.5	18500
MH20-AR038O32-08H	1.081	1.500	0.209	0.047	2.70	0.035	1		5	1.250	8.268	3.150	1.5	16900
MH20-AR038O32-08M	1.081	1.500	0.209	0.047	2.70	0.035	2		4	1.250	9.843	4.724	1.5	16100

R = Right hand, L = Left hand

CoroMill® MH20, cutter for high feed milling

MSSC - Internal coolant supply



Common data values

KAPR
[deg]

15.0

Metric (mm)

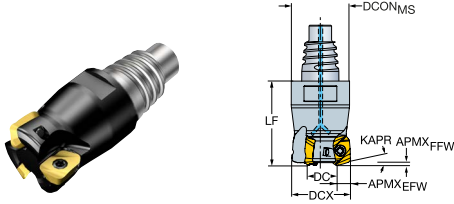
Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
MH20-R016T08-06L	7.57	16.00	4.2	0.8	9.50	0.7	1	2		12.80	25.00	0.9	26100
MH20-R020T10-06M	11.57	20.00	4.2	0.8	5.80	0.7	1		3	17.80	30.00	0.9	23400
MH20-R020T10-08L	9.35	20.00	5.3	1.2	5.80	0.9	1	2		17.80	30.00	1.4	23400
MH20-R025T12-06H	16.57	25.00	4.2	0.8	3.70	0.7	1		4	20.80	35.00	0.9	20900
MH20-R025T12-08M	14.35	25.00	5.3	1.2	5.70	0.9	1	3		20.80	35.00	2.0	20900
MH20-R032T16-06H	23.57	32.00	4.2	0.8	2.40	0.7	1		5	28.80	45.00	0.9	18500
MH20-R032T16-08M	21.35	32.00	5.3	1.2	3.60	0.9	1	4		28.80	45.00	2.0	18500

R = Right hand, L = Left hand



CoroMill® MH20, cutter for high feed milling

EH coupling - Internal coolant supply



Common data values

KAPR
[deg]
15.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
MH20-R016EH16-06L	7.57	16.00	4.2	0.8	9.50	0.7	1	2		15.50	27.00	0.9	26100
MH20-R020EH20-06L	11.57	20.00	4.2	0.8	5.80	0.7	1	2		19.30	30.00	0.9	23400
MH20-R020EH20-06M	11.57	20.00	4.2	0.8	5.80	0.7	1	3		19.30	30.00	0.9	23400
MH20-R020EH20-08L	9.35	20.00	5.3	1.2	5.80	0.9	1	2		19.30	30.00	1.4	23400
MH20-R025EH25-06H	16.57	25.00	4.2	0.8	3.70	0.7	1		4	24.20	35.00	0.9	20900
MH20-R025EH25-06M	16.57	25.00	4.2	0.8	3.70	0.7	1		3	24.20	35.00	0.9	20900
MH20-R025EH25-08L	14.35	25.00	5.3	1.2	5.70	0.9	1	2		24.20	35.00	2.0	20900
MH20-R025EH25-08M	14.35	25.00	5.3	1.2	5.70	0.9	1	3		24.20	35.00	2.0	20900
MH20-R032EH25-08L	21.35	32.00	5.3	1.2	3.60	0.9	1		3	24.20	35.00	2.0	18500
MH20-R032EH25-08M	21.35	32.00	5.3	1.2	3.60	0.9	1	4		24.20	35.00	2.0	18500

R = Right hand, L = Left hand

Common data values

KAPR
[deg]
15.0

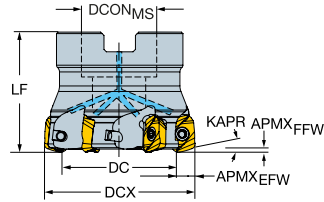
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
MH20-AR016EH16-06L	0.293	0.625	0.209	0.031	10.10	0.035	1		2	0.610	1.063	0.7	26200
MH20-AR019EH20-06L	0.418	0.750	0.165	0.031	6.50	0.028	1	2		0.728	1.181	0.7	23900
MH20-AR019EH20-06M	0.418	0.750	0.165	0.031	6.50	0.028	1	3		0.728	1.181	0.7	23900
MH20-AR025EH25-06H	0.668	1.000	0.165	0.031	3.60	0.028	1		4	0.965	1.378	0.7	20700
MH20-AR025EH25-06M	0.668	1.000	0.165	0.031	3.60	0.028	1		3	0.965	1.378	0.7	20700
MH20-AR025EH25-08L	0.581	1.000	0.209	0.047	5.50	0.035	1	2		0.965	1.378	1.5	20700
MH20-AR025EH25-08M	0.581	1.000	0.209	0.047	5.50	0.035	1	3		0.965	1.378	1.5	20700
MH20-AR032EH25-08L	0.831	1.250	0.209	0.047	3.60	0.035	1		3	0.965	1.378	1.5	18500
MH20-AR032EH25-08M	0.831	1.250	0.209	0.047	3.60	0.035	1	4		0.965	1.378	1.5	18500

R = Right hand, L = Left hand

CoroMill® MH20, cutter for high feed milling

Arbor shank - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
0.9	15.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
MH20-R040Q16-08H	29.35	40.00	5.3	1.2	2.50	1	5		16.00	40.00	2.0	16500	A
MH20-R040Q16-08M	29.35	40.00	5.3	1.2	2.50	1		4	16.00	40.00	2.0	16500	A
MH20-R044Q16-08H	33.35	44.00	5.3	1.2	2.30	1		5	16.00	40.00	2.0	15700	A
MH20-R050Q22-08H	39.35	50.00	5.3	1.2	1.70	1		6	22.00	40.00	2.0	14800	A
MH20-R050Q22-08M	39.35	50.00	5.3	1.2	1.70	1		5	22.00	40.00	2.0	14800	A
MH20-R052Q22-08H	41.35	52.00	5.3	1.2	1.70	1		6	22.00	40.00	2.0	14500	A
MH20-R052Q22-08M	41.35	52.00	5.3	1.2	1.70	1		5	22.00	40.00	2.0	14500	A
MH20-R054Q22-08H	43.35	54.00	5.3	1.2	1.65	1		6	22.00	40.00	2.0	14200	A
MH20-R054Q22-08M	43.35	54.00	5.3	1.2	1.65	1		5	22.00	40.00	2.0	14200	A
MH20-R063Q22-08H	52.35	63.00	5.3	1.2	1.50	1		7	22.00	40.00	2.0	13200	A
MH20-R063Q22-08M	52.35	63.00	5.3	1.2	1.50	1		6	22.00	40.00	2.0	13200	A
MH20-R066Q22-08H	55.35	66.00	5.3	1.2	1.40	1		7	22.00	40.00	2.0	12800	A
MH20-R066Q22-08M	55.35	66.00	5.3	1.2	1.40	1		6	22.00	40.00	2.0	12800	A

R = Right hand, L = Left hand

Common data values

AZ [inch]	KAPR [deg]
0.035	15.0

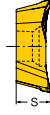
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
MH20-AR051R19-08H	1.581	2.000	0.209	0.047	1.70	1	6		0.750	1.575	1.5	14700	A
MH20-AR051R19-08M	1.581	2.000	0.209	0.047	1.70	1	5		0.750	1.575	1.5	14700	A
MH20-AR063R19-08H	2.081	2.500	0.209	0.047	1.50	1	7		0.750	1.575	1.5	13100	A
MH20-AR063R19-08M	2.081	2.500	0.209	0.047	1.50	1	6		0.750	1.575	1.5	13100	A

R = Right hand, L = Left hand



CoroMill® MH20, insert for milling



Metric (mm)

			P			S				H	M															
Ordering code			4340	1010	1230	S30T	S40T	1230	1040	2040	1010	S30T	S40T	4340	1230	1040	2040	SSC	S [mm]	RE [mm]	REEQ [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Medium	L30	MH20-060320E-L30				●	○		○	○		○	○			●	○	06	3.42	1.6	2.0	6.3	4.5	0.8	15.00	Right
		MH20-080425E-L30				●	○		○	○		○	○			●	○	08	4.03	2.1	2.5	8.3	5.9	1.2	15.00	Right
	L50	MH20-060320E-L50				●	○		○	○		○	○			●	○	06	3.42	1.6	2.0	6.3	4.5	0.8	15.00	Right
		MH20-080425E-L50				●	○		○	○		○	○			●	○	08	4.03	2.1	2.5	8.3	5.9	1.2	15.00	Right
	M20	MH20-060320M-M20	●	○	○			○			●			○	○			06	3.42	1.6	2.0	6.3	4.5	0.8	15.00	Right
		MH20-080425M-M20	●	○	○			○			●			○	○			08	4.03	2.1	2.5	8.3	5.9	1.2	15.00	Right
	M50	MH20-060320M-M50	●		○			○						○	○			06	3.42	1.6	2.0	6.3	4.5	0.8	15.00	Right
		MH20-080425M-M50	●		○			○						○	○			08	4.03	2.1	2.5	8.3	5.9	1.2	15.00	Right

● = First choice ○ = Good choice



Read more about CoroMill® 210:
sandvik.coromant.com/coromill210



CoroMill® 210

For productive roughing with high metal removal

CoroMill® 210 is a very productive roughing concept to use when high metal removal rate is the first priority. A 10° entering angle allows extreme feed rates when face milling.

Application

- High feed face milling
- Long overhang machining
- Roughing with high productivity
- 10° entering angle results in favorable cutting forces directed towards the spindle
- Plunge milling



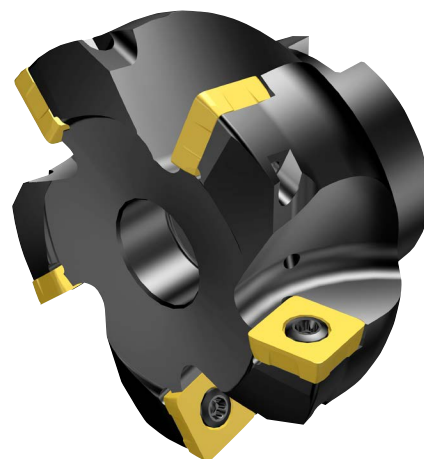
Features and benefits

- High table feed due to the chip thinning effect – high productivity
- First choice face milling cutter in long overhang machining
- Multipurpose tool: Face milling, boring possibilities, ramping and plunge milling
- Through coolant

P M K S H
ISO application areas

Extreme feed rates for maximum metal removal

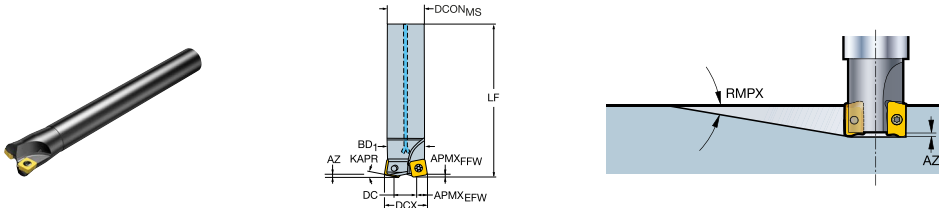
When high metal removal is the goal, this roughing concept delivers, thanks to a 10° entering angle enabling extreme feed rates. Ideal for face milling in demanding setups, including long overhangs and plunge operations.





CoroMill® 210, cutter for high feed milling

Cylindrical shank - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
1.8	10.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]
R210-025A20-09M	10.90	25.00	8.0	1.2	14.50	1	2		20.00	22.0	35.0	180.00	3.0
R210-032A25-09H	17.90	32.00	8.0	1.2	8.00	1	3		25.00	29.0	45.0	210.00	3.0
R210-032A25-09M	17.90	32.00	8.0	1.2	8.00	1	2		25.00	29.0	45.0	210.00	3.0
R210-035A32-09H	20.90	35.00	8.0	1.2	7.00	1	3		32.00	32.0	45.0	210.00	3.0
R210-042A32-09H	27.90	42.00	8.0	1.2	5.00	1	4		32.00	39.0	50.0	250.00	3.0
R210-042A32-09M	27.90	42.00	8.0	1.2	5.00	1		3	32.00	39.0	50.0	250.00	3.0

R = Right hand, L = Left hand

Common data values

AZ [inch]	KAPR [deg]
0.071	10.0

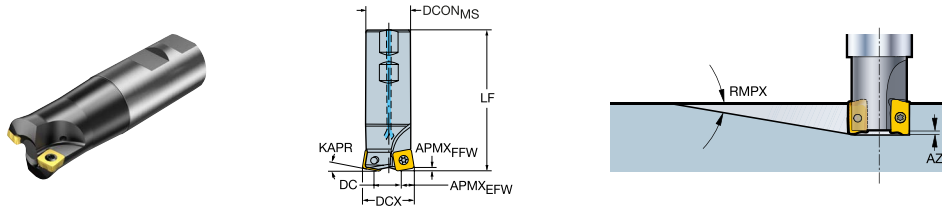
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
RA210-025025-09M	0.445	1.000	0.315	0.047	14.00	1	2		1.000	0.880	2.500	10.000	2.2	7400
RA210-032025-09H	0.695	1.250	0.315	0.047	8.00	1	3		1.000	1.130	2.000	10.000	2.2	7400
RA210-032025-09M	0.695	1.250	0.315	0.047	8.00	1	2		1.000	1.130	2.000	10.000	2.2	7400
RA210-035032-09H	0.823	1.378	0.315	0.047	7.00	1	3		1.250	1.258	2.000	10.000	2.2	7400
RA210-038032-09H	0.945	1.500	0.315	0.047	7.20	1	4		1.250	1.380	2.000	10.000	2.2	7400
RA210-038032-09M	0.945	1.500	0.315	0.047	6.00	1		3	1.250	1.380	2.000	10.000	2.2	7400

R = Right hand, L = Left hand

CoroMill® 210, cutter for high feed milling

Weldon shank - Internal coolant supply



Common data values

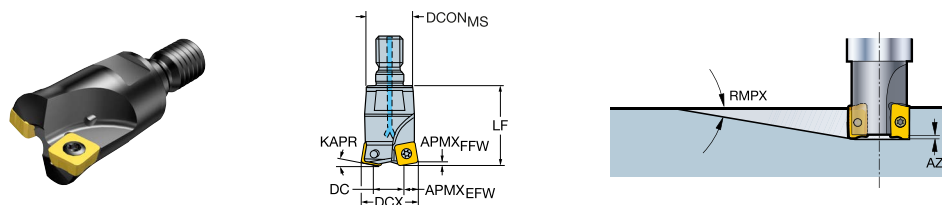
AZ [inch]	KAPR [deg]
0.071	10.0

Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	TQ [ft]
RA210-025M25-09M	0.445	1.000	0.315	0.047	14.00	1	2		1.000	0.880	2.000	5.141	2.2
RA210-032M32-09M	0.695	1.250	0.315	0.047	8.00	1	2		1.250	1.131	2.000	4.282	2.2
RA210-035M32-09H	0.823	1.378	0.315	0.047	7.00	1	3		1.250	1.258	2.000	4.282	2.2
RA210-038M32-09M	0.945	1.500	0.315	0.047	6.00	1		3	1.250	1.380	2.500	5.141	2.2

R = Right hand, L = Left hand

Threaded coupling – Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
1.8	10.0

Metric (mm)

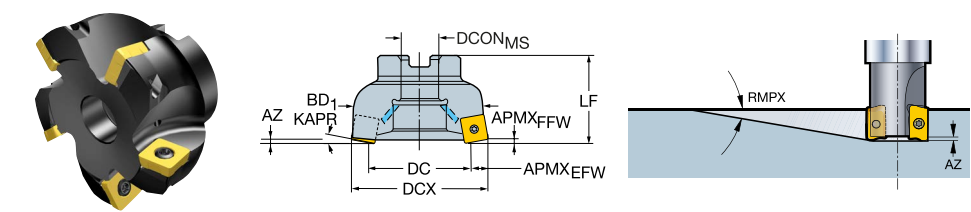
Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
R210-025T12-09M	10.90	25.00	8.0	1.2	14.50	1	2		20.80	22.0	35.0	35.00	3.0	15000
R210-032T16-09M	17.90	32.00	8.0	1.2	8.00	1	2		28.80	29.0	45.0	45.00	3.0	15000
R210-035T16-09H	20.90	35.00	8.0	1.2	7.00	1	3		28.80	32.0	50.0	50.00	3.0	15000
R210-042T16-09H	27.90	42.00	8.0	1.2	5.00	1	4		28.80	39.0	50.0	50.00	3.0	15000

R = Right hand, L = Left hand



CoroMill® 210, cutter for high feed milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]
10.0

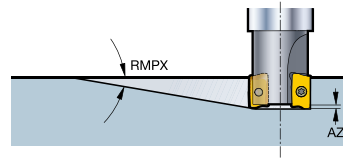
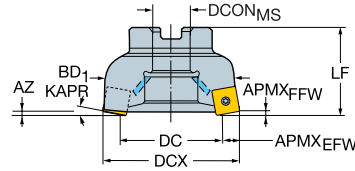
Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
R210-050Q22-09H	35.90	50.00	8.0	1.2	3.50	1.8	1	5		22.00	47.0	50.00	3.0	24500
R210-050Q22-09M	35.90	50.00	8.0	1.2	3.50	1.8	1		4	22.00	47.0	50.00	3.0	24500
R210-063Q22-09H	48.90	63.00	8.0	1.2	2.60	1.8	1	6		22.00	60.0	50.00	3.0	21800
R210-063Q22-09M	48.90	63.00	8.0	1.2	2.60	1.8	1		5	22.00	60.0	50.00	3.0	21800
R210-063Q22-14H	39.00	63.00	13.0	2.0	3.80	2.0	1	5		22.00	58.7	50.00	5.0	18300
R210-063Q22-14M	39.00	63.00	13.0	2.0	3.80	2.0	1		4	22.00	58.7	50.00	5.0	18300
R210-063Q27-09M	48.90	63.00	8.0	1.2	2.60	1.8	1		5	27.00	60.0	50.00	3.0	21800
R210-063Q27-14M	39.00	63.00	13.0	2.0	3.80	2.0	1		4	27.00	58.7	50.00	5.0	18300
R210-080Q27-14H	56.00	80.00	13.0	2.0	2.40	2.0	1	6		27.00	75.7	50.00	5.0	15400
R210-080Q27-14M	56.00	80.00	13.0	2.0	2.40	2.0	1		5	27.00	75.7	50.00	5.0	15400
R210-100Q32-14H	76.00	100.00	13.0	2.0	1.50	2.0	1	7		32.00	95.7	50.00	5.0	13400
R210-100Q32-14M	76.00	100.00	13.0	2.0	1.60	2.0	1		6	32.00	95.7	50.00	5.0	13400
R210-125Q40-14M	101.00	125.00	13.0	2.0	1.20	2.0	1		7	40.00	120.7	63.00	5.0	11400
R210-160Q40-14M	136.00	160.00	13.0	2.0	1.00	2.0	1		8	40.00	155.6	63.00	5.0	10400

R = Right hand, L = Left hand

CoroMill® 210, cutter for high feed milling

Arbor shank - Internal coolant supply



Common data values

KAPR
[deg]

10.0

Imperial (inch)

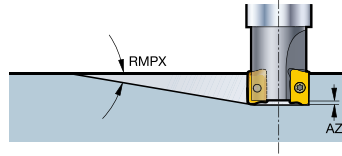
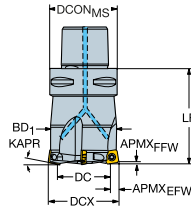
Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	BD [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
RA210-051R19-09H	1.445	2.000	0.315	0.047	3.40	0.071	1	5		0.750	1.880	1.969	2.2	24800
RA210-051R19-09M	1.445	2.000	0.315	0.047	3.40	0.071	1		4	0.750	1.880	1.969	2.2	24800
RA210-063R19-09M	1.945	2.500	0.315	0.047	2.60	0.071	1		5	0.750	2.380	1.969	2.2	21700
RA210-063R19-14H	1.555	2.500	0.512	0.079	3.80	0.039	1	5		0.750	2.329	1.969	3.7	18200
RA210-063R19-14M	1.555	2.500	0.512	0.079	3.80	0.039	1		4	0.750	2.329	1.969	3.7	18200
RA210-076R25-14H	2.055	3.000	0.512	0.079	2.70	0.039	1	6		1.000	2.829	1.969	3.7	15900
RA210-076R25-14M	2.055	3.000	0.512	0.079	2.60	0.039	1		5	1.000	2.829	1.969	3.7	15900
RA210-102R38-14H	3.055	4.000	0.512	0.079	1.50	0.079	1	7		1.500	3.829	2.362	3.7	13300
RA210-102R38-14M	3.055	4.000	0.512	0.079	1.50	0.079	1		6	1.500	3.829	2.362	3.7	13300
RA210-127R38-14M	4.055	5.000	0.512	0.079	1.20	0.079	1		7	1.500	4.829	2.480	3.7	11300
RA210-152R38-14M	5.055	6.000	0.512	0.079	1.00	0.079	1		8	1.500	5.829	2.480	3.7	10600

R = Right hand. L = Left hand



CoroMill® 210, cutter for high feed milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]
10.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]
R210-036C3-09H	21.90	36.00	8.0	1.2	7.00	1.8	3	3		32.00	33.0	50.0	50.00	3.0
R210-036C3-09M	21.90	36.00	8.0	1.2	7.00	1.8	3	2		32.00	33.0	50.0	50.00	3.0
R210-042C4-09H	27.90	42.00	8.0	1.2	5.00	1.8	3	4		40.00	39.0	60.0	60.00	3.0
R210-042C4-09M	27.90	42.00	8.0	1.2	5.00	1.8	3		3	40.00	39.0	60.0	60.00	3.0
R210-052C5-09H	37.90	52.00	8.0	1.2	3.30	1.8	3	5		50.00	49.0	70.0	70.00	3.0
R210-052C5-09M	37.90	52.00	8.0	1.2	3.30	1.8	3		4	50.00	49.0	70.0	70.00	3.0
R210-052C5-14H	28.00	52.00	13.0	2.0	3.30	2.0	3	4		50.00	47.7	70.0	70.00	5.0
R210-052C5-14M	28.00	52.00	13.0	2.0	5.80	2.0	3		3	50.00	47.7	70.0	70.00	5.0
R210-054C5-09H	39.90	54.00	8.0	1.2	3.10	1.8	3	5		50.00	51.0	70.0	70.00	3.0
R210-054C5-14H	30.00	54.00	13.0	2.0	5.60	2.0	3	4		50.00	49.7	70.0	70.00	5.0
R210-066C6-09M	51.90	66.00	8.0	1.2	2.40	1.8	3		6	63.00	63.0	72.0	72.00	3.0
R210-066C6-14H	42.00	66.00	13.0	2.0	3.20	2.0	3	5		63.00	61.7	72.0	72.00	5.0
R210-066C6-14M	42.00	66.00	13.0	2.0	3.20	2.0	3		4	63.00	61.7	72.0	72.00	5.0
R210-082C8-14H	58.00	82.00	13.0	2.0	2.30	2.0	3	6		80.00	77.7	80.0	80.00	5.0
R210-082C8-14M	58.00	82.00	13.0	2.0	2.20	2.0	3		5	80.00	77.7	80.0	80.00	5.0
R210-086C8-14H	62.00	86.00	13.0	2.0	2.20	2.0	3	6		80.00	81.7	80.0	80.00	5.0

R = Right hand, L = Left hand

Common data values

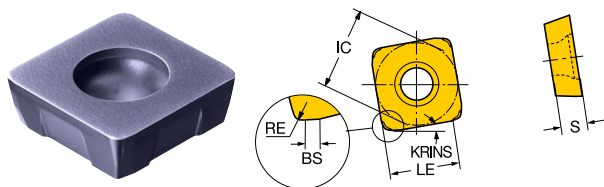
KAPR
[deg]
10.0

Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	TQ [ft]
RA210-038C3-09M	0.945	1.500	0.315	0.047	6.00	0.071	3		3	1.260	1.258		1.969	2.2
RA210-051C5-09H	1.445	2.000	0.315	0.047	3.40	0.071	3	5		1.969	1.880	2.756	2.756	2.2
RA210-051C5-09M	1.445	2.000	0.315	0.047	3.40	0.071	3		4	1.969	1.880	2.756	2.756	2.2
RA210-051C5-14H	1.055	2.000	0.512	0.079	5.90	0.079	3	4		1.969	1.829	2.756	2.756	3.7
RA210-051C5-14M	1.055	2.000	0.512	0.079	5.90	0.079	3		3	1.969	1.829	2.756	2.756	3.7
RA210-063C5-09M	1.945	2.500	0.315	0.047	2.60	0.071	3		5	1.969	2.380	2.756	2.756	2.2
RA210-063C5-14H	1.555	2.500	0.512	0.079	3.80	0.079	3	5		1.969	2.329	2.756	2.756	3.7
RA210-063C5-14M	1.555	2.500	0.512	0.079	3.80	0.079	3		4	1.969	2.329	2.756	2.756	3.7

R = Right hand, L = Left hand

CoroMill® 210, insert for milling



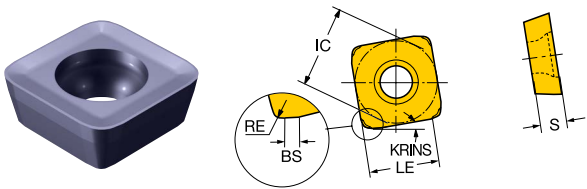
Metric (mm)

		P					S			H		K				M															
		Ordering code																													
		4340	4220	4330	1010	1230	S30T	S40T	1230	4220	1010	4340	4220	4330	1010	S30T	4340	S40T	1230	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	REEQ [mm]	LE [mm]	BSR [mm]	APMX [mm]			
Medium	PM	R210-09 04 12M-PM	○	○	●	○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	09	4.00	0.8	1.0	9.40	2.5	6.2		1.2		
		R210-09 04 14E-PM	○	○	●	○	○	○	●	○	○			○	○	○	○	○	○	○	09	4.50	0.7	1.4	9.50	2.5	5.8	50.0	1.2		
		R210-14 05 12M-PM	○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	14	4.76	0.8	1.0	14.50	3.5	11.3		2.0		
		R210-14 05 14E-PM	○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	14	5.26	0.7	1.4	14.60	3.5	10.8	50.0	2.0		

● = First choice ○ = Good choice



CoroMill® 210, insert for milling



Metric (mm)

		P		H		K											
Ordering code		3040	3040	1020	3330	3040	SSC	S	BS	RE	IC	REEQ	LE	BSR	APMX	KRINS	HAND
								[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[deg]	
Medium KM	R210-09 04 12M-KM	○	○	○	●	○	09	4.00	0.8	1.0	9.40	2.5	6.2		1.2	10.00	Right
	R210-09 04 14E-KM	○		○	●	○	09	4.50	0.7	1.4	9.50	2.5	5.8	50.0	1.2	10.00	Neutral
	R210-14 05 12M-KM	○	○	○	●	○	14	4.76	0.8	1.0	14.50	3.5	11.3		2.0	10.00	Right
	R210-14 05 14E-KM	○	○	○	●	○	14	5.26	0.7	1.4	14.60	3.5	10.8	50.0	2.0	10.00	Neutral
		P		H		K											



Read more about CoroMill® 419:
sandvik.coromant.com/coromill419



CoroMill® 419

High-feed milling cutter

CoroMill® 419 is a high-feed milling concept with five edges for roughing to semi-finishing. It offers excellent performance in many material groups and has great possibilities for optimization. The high feed and light-cutting action enable a soft sound, creating an operator-friendly environment.

Application

- High-feed face- and profile milling, including ramping and helical interpolation
- Suitable for most applications and industry segments
- Machining of components requiring long overhangs
- Suitable for low-powered machines and weak fixtures

Features and benefits

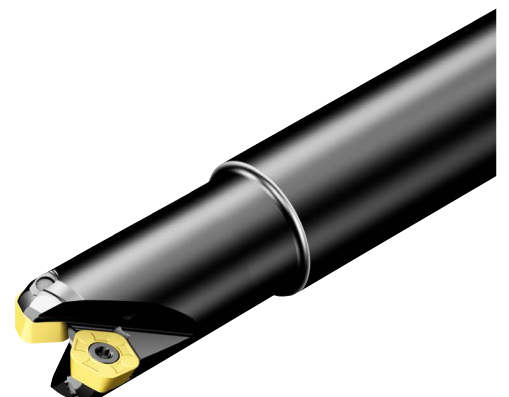
- High productivity in applications requiring light cutting action
- Long tool life, especially in difficult-to-machine materials
- Strong and robust inserts for reliable machining
- Low power consumption
- Five cutting edges per insert
- Wide range of grades and geometries
- Radius inserts and inserts with parallel land
- Through coolant on all cutters enables efficient wet machining as well as compressed air cooling



P M K N S
ISO application areas

High-efficiency with a soft touch

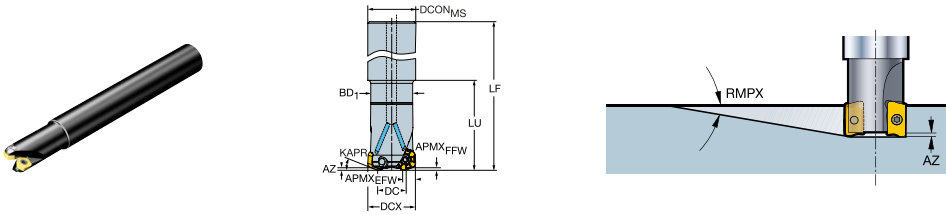
This five-edged concept delivers high-feed roughing to semi-finishing with excellent results across material groups. The smooth-cutting design ensures low power consumption and a softer sound for a more operator-friendly environment.





CoroMill® 419, cutter for high feed milling

Cylindrical shank - Internal coolant supply



Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]
419-032A32L-14L	17.40	32.00	8.0	2.0	10.00	1	2		32.00	28.0	57.0	250.00	60.00
419-040A32L-14M	25.40	40.00	8.0	2.0	8.00	1		3	32.00	28.0		250.00	

Common data values

AZ [mm]	KAPR [deg]
2.0	19.0

Imperial (inch)

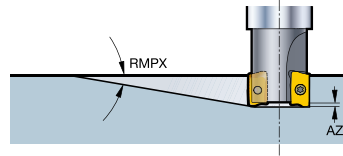
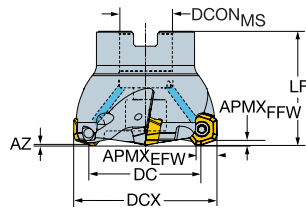
Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]
A419-032032-14L	0.673	1.250	0.315	0.079	10.00	1	2		1.250	1.098	2.362	10.000	2.500	3.7
A419-038032-14M	0.925	1.500	0.315	0.079	9.00	1		3	1.250	1.098		10.000		3.7

Common data values

AZ [inch]	KAPR [deg]
0.079	19.0

CoroMill® 419, cutter for high feed milling

Arbor shank - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
2.0	19.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
419-044Q16-14M	29.40	44.00	8.0	2.0	8.00	1		3	16.00	45.00	5.0	19300	A
419-050Q22-14M	35.40	50.00	8.0	2.0	8.00	1		4	22.00	45.00	5.0	17600	A
419-052Q22-14H	37.40	52.00	8.0	2.0	8.00	1	5		22.00	45.00	5.0	17100	A
419-054Q22-14H	39.40	54.00	8.0	2.0	8.00	1	5		22.00	45.00	5.0	16800	A
419-054Q22-14M	39.40	54.00	8.0	2.0	8.00	1		4	22.00	45.00	5.0	16800	A
419-063Q22-14L	48.30	63.00	8.0	2.0	7.00	1		4	22.00	50.00	5.0	15100	A
419-063Q22-14M	48.30	63.00	8.0	2.0	7.00	1		5	22.00	50.00	5.0	15100	A
419-066Q22-14H	51.30	66.00	8.0	2.0	6.00	1	6		22.00	50.00	5.0	14600	A
419-066Q22-14M	51.30	66.00	8.0	2.0	6.00	1		5	22.00	50.00	5.0	14600	A
419-080Q27-14H	65.30	80.00	8.0	2.0	5.00	1	6		27.00	50.00	5.0	13000	A
419-080Q27-14M	65.30	80.00	8.0	2.0	5.00	1		5	27.00	50.00	5.0	13000	A
419-084Q27-14H	69.30	84.00	8.0	2.0	5.00	1	7		27.00	50.00	5.0	12600	A
419-084Q27-14M	69.30	84.00	8.0	2.0	5.00	1		6	27.00	50.00	5.0	12600	A
419-100Q32-14H	85.30	100.00	8.0	2.0	3.00	1	7		32.00	50.00	5.0	11400	B
419-100Q32-14M	85.30	100.00	8.0	2.0	3.00	1		6	32.00	50.00	5.0	11400	B

Common data values

KAPR [deg]
19.0

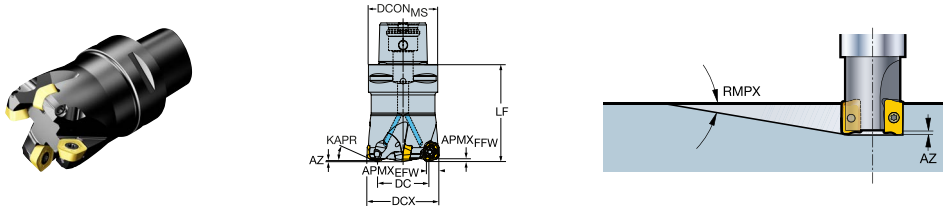
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
A419-051R19-14M	1.421	2.000	0.315	0.079	8.00	0.079	1		4	0.750	1.750	3.7	17300	A
A419-063R19-14L	1.902	2.500	0.315	0.079	7.00	0.079	1		4	0.750	1.969	3.7	15100	A
A419-063R19-14M	1.902	2.500	0.315	0.079	7.00	0.079	1		5	0.750	1.969	3.7	15100	A
A419-076R25-14H	2.421	3.000	0.315	0.079	5.00	0.079	1	6		1.000	1.969	3.7	13400	A
A419-076R25-14M	2.421	3.000	0.315	0.079	5.00	0.079	1		5	1.000	1.969	3.7	13400	A
A419-102R38-14H	3.421	4.000	0.315	0.079	3.00	0.039	1	7		1.500	1.969	3.7	11300	B
A419-102R38-14M	3.421	4.000	0.315	0.079	3.00	0.039	1		6	1.500	1.969	3.7	11300	B



CoroMill® 419, cutter for high feed milling

Coromant Capto® - Internal coolant supply



Common data values

AZ [mm]	KAPR [deg]
2.0	19.0

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
419-036C3-14L	21.40	36.00	8.0	2.0	9.00	3	2		32.00	50.00	5.0	22400
419-042C4-14M	27.40	42.00	8.0	2.0	8.00	3		3	40.00	70.00	5.0	19900
419-052C5-14M	37.40	52.00	8.0	2.0	8.00	3		4	50.00	70.00	5.0	17100
419-066C6-14M	51.30	66.00	8.0	2.0	6.00	3		5	63.00	70.00	5.0	14600
419-084C8-14H	69.30	84.00	8.0	2.0	5.00	3	6		80.00	70.00	5.0	12600

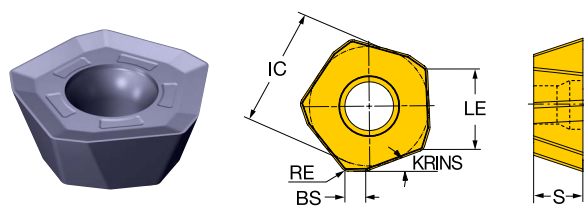
Common data values

AZ [inch]	KAPR [deg]
0.079	19.0

Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
A419-038C3-14M	0.925	1.500	0.315	0.079	9.00	3	3		1.260	1.969	3.7	21400
A419-051C5-14M	1.421	2.000	0.315	0.079	8.00	3	4		1.969	2.756	3.7	17300
A419-063C5-14M	1.902	2.500	0.315	0.079	7.00	3	5		1.969	2.756	3.7	15100

CoroMill® 419, insert for milling



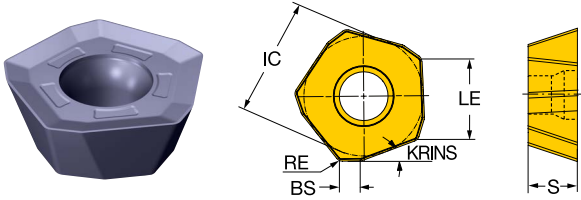
Metric (mm)

		P								S				H	K					M														
		Ordering code		4340	4330	4220	1010	1230	1040	2040	S30T	S40T	1230	1040	2040	4220	1010	4340	4330	4220	1010	1020	3330	S30T	S40T	4340	1230	1040	2040	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]
Medium	MM	419R-1405E-MM		●		○	○	○	○	●	○	○	○	○		●		○		○			○	○	○		○	●	○	14	5.47	2.0	0.8	13.50
	PM	419R-1405M-PM	○	●	○		○	○	○	●	○	○	○	○	○	●		○	○	○		○	●	○	○	○	○	○	●	○	14	5.47	2.0	0.8
		P								S				H	K					M														

● = First choice ○ = Good choice



CoroMill® 419, insert for milling

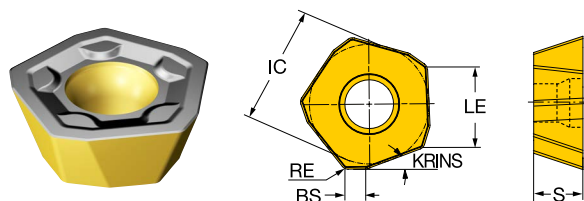


Metric (mm)

		P					S					K		M															
		Ordering code																				SSC	S [mm]	RE [mm]	IC [mm]	REEQ [mm]	LE [mm]	APMX [mm]	KRINS [deg]
Medium SM	419N-140530E-SM	○	●	○	○	○	●	○	○	○	○	○	○	●	○	○	○	○	○	○	○	14	5.47	3.0	13.50	4.5	9.0	2.0	19.00

● = First choice ○ = Good choice

CoroMill® 419, insert for milling



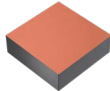
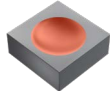
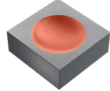
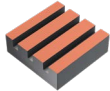
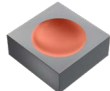
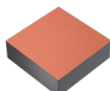
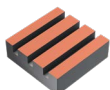
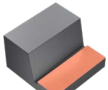
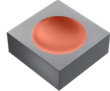
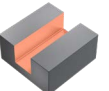
Metric (mm)

			P					H			K							M											
			Ordering code																	SSC	S	BS	RE	IC	REEQ	LE	APMX	KRINS	HAND
			4340	4220	4330	1010	3040	4220	1010	3040	4340	4220	4330	1010	1020	3330	3040	4340	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[deg]			
Heavy	KH	419N-140530M-KH	○	●		○	●		○		○	○		○	●	○		14	5.47		3.0	13.50	4.5	9.0	2.0	19.00	Neutral		
	PH	419R-1405M-PH	○		●	○		●		○		○	○		●		○	14	5.47	2.0	0.8	13.50	4.5	9.0	2.0	19.00	Right		
			P					H			K							M											

● = First choice ○ = Good choice



Profile milling

Tool	Material	Main applications	Secondary applications
CoroMill® MR80 	P M K		 
CoroMill® 300 	P M K N S H	 	  
CoroMill® 200 	P M K N S H	 	   
CoroMill® 216 	P M K N S H		  



Read more about CoroMill® MR80:
sandvik.coromant.com/coromillmr80



CoroMill® MR80

Secure roughing in face and profile milling

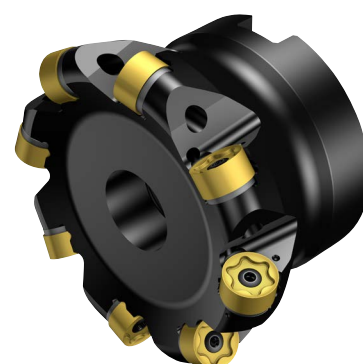
CoroMill® MR80 is designed for challenging roughing operations in a wide range of face and profile milling applications in steel and stainless steel.

Application

- Rough milling and semi-roughing operations requiring the security of a round insert cutting edge
- Face and shoulder milling with limited pocket milling and ramping capabilities
- Interrupted machining and applications prone to notch wear

Features and benefits

- A cost-efficient solution for face, shoulder and pocket milling
- Double-sided insert with true and easy indexing (6+6)
- Highest possible cutter body security with patented shim design, which protects against cutter body damage, coining deformation in the tip seat and micro-movements of inserts during machining
- Light cutting geometry for low power machines and long overhang applications
- High number of cutting edges for higher productivity, particularly in face milling applications



P M K
ISO application areas

Reliable roughing made productive

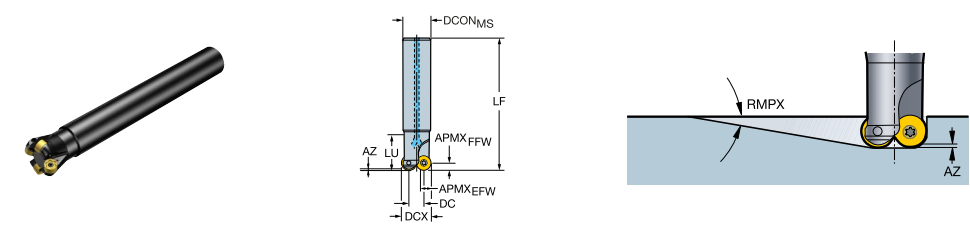
Built for tough roughing in steel and stainless steel, this solution offers high edge economy and low cutting forces, even in long overhangs. Patented shim protection and true double-sided inserts ensure maximum tool life and reliable performance.





CoroMill® MR80, face milling cutter

Cylindrical shank - Internal coolant supply



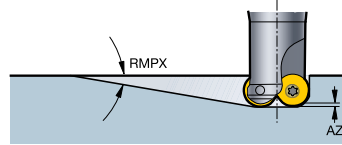
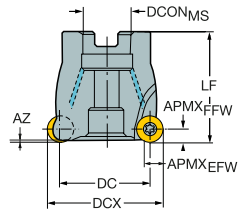
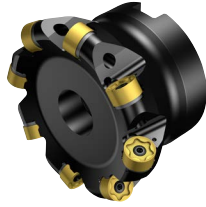
Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX_FFW [mm]	RMPX [deg]	AZ [mm]	CNSC		DCON _{MS} [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
MR80-R032A32-12H	20.00	32.00	6.0	0.86	0.2	1	3	32.00	190.00	40.00	2.0	11700
MR80-R040A32-12H	28.00	40.00	6.0	0.86	0.3	1	4	32.00	250.00	40.00	2.0	10400

R = Right hand, L = Left hand

CoroMill® MR80, face milling cutter

Arbor - Internal coolant supply



Common data values

AZ
[mm]
0.4

Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{FFW} [mm]	RMPX [deg]	CNSC		DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
MR80-R050Q22-12H	38.00	50.00	6.0	0.74	1	6	22.00	40.00	2.0	9300	A
MR80-R050Q22-12M	38.00	50.00	6.0	0.74	1	4	22.00	40.00	2.0	9300	A
MR80-R063Q22-12H	51.00	63.00	6.0	0.59	1	8	22.00	50.00	2.0	8300	A
MR80-R063Q22-12M	51.00	63.00	6.0	0.59	1	6	22.00	50.00	2.0	8300	A
MR80-R080Q27-12H	68.00	80.00	6.0	0.43	1	10	27.00	50.00	2.0	7400	A
MR80-R080Q27-12M	68.00	80.00	6.0	0.43	1	8	27.00	50.00	2.0	7400	A
MR80-R100Q32-12H	88.00	100.00	6.0	0.33	1	12	32.00	50.00	2.0	6600	A
MR80-R100Q32-12M	88.00	100.00	6.0	0.33	1	10	32.00	50.00	2.0	6600	A

R = Right hand, L = Left hand

Imperial (inch)

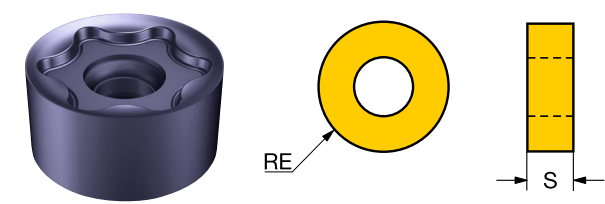
Ordering code	DC [inch]	DCX [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC		DCON _{MS} [inch]	LF [inch]	TQ [ft] [1/min]	RPMX [1/min]	STDLET
MR80-AR051R19-12H	1.528	2.000	0.236	0.74	0.014	1	6	0.750	1.575	1.5	9300	A
MR80-AR051R19-12M	1.528	2.000	0.236	0.74	0.014	1	4	0.750	1.575	1.5	9300	A
MR80-AR063R19-12M	2.028	2.500	0.236	0.59	0.017	1	6	0.750	1.969	1.5	8300	A
MR80-AR076R25-12M	2.528	3.000	0.236	0.43	0.017	1	8	1.000	1.969	1.5	7400	A
MR80-AR102R38-12M	3.528	4.000	0.236	0.33	0.017	1	10	1.500	1.969	1.5	6600	B

R = Right hand, L = Left hand



CoroMill® MR80, insert for milling

Round insert



Metric (mm)

		P				S		K		M														
		Ordering code				4340	4330	1230	1040	S30T	1230	1040	4340	4330	S30T	4340	1230	1040	SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND
Light	L50	MR80-1206E-L50				○	●	○	○	●	○	○	○	○	○	○	○	●	1206	6.00	6.0	12.00	3.0	Neutral
						P				S		K		M										

● = First choice ○ = Good choice



Read more about CoroMill® 300:
sandvik.coromant.com/coromill300



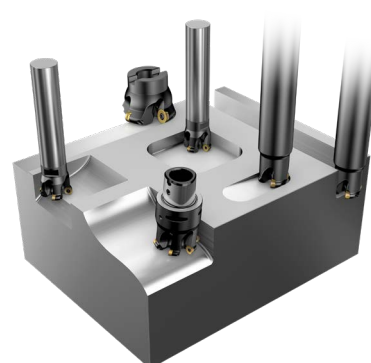
CoroMill® 300

Light cutting face and profile milling cutters

CoroMill® 300 is a round insert cutter ideal for face milling, pocketing, and profiling. Its light cutting action enables smooth tool entry/exit and extended setups. It produces low cutting forces and heat at shallow depths, allowing 5–10 × higher table feed rates than standard machining.

Application

- Full slot milling
- Face milling
- Ramping
- Profiling
- Pocket milling



P M K N S H
ISO application areas

Features and benefits

- Precision-ground inserts for high accuracy
- Extra close pitch version for high feed semi-finishing
- Up to 8 cutting edges
- Specific insert indexing solution for size 20 and 25 inserts prevents insert movement and enables all cutting edges to be utilized
- Universal product with a wide application window
- Large assortment covering many applications

Stable motion for complex forms

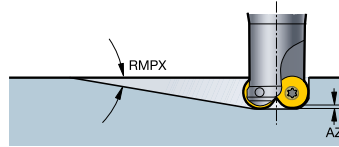
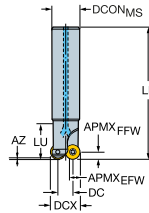
This round insert cutter handles face milling, pocketing and profiling with ease, thanks to light cutting action and low cutting forces. Ideal for extended tool set-ups and multi-axis machining, it delivers high accuracy and impressive feed rates even at shallow depths.





CoroMill® 300, cutter for profile milling

Cylindrical shank - Internal coolant supply. Positive design



Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]
R300-025A20-08M	17.00	25.00	6.0	4.0	8.00	1.9	1		3	20.00	20.3	25.0	150.00	1.2
R300-025A20-10M	15.00	25.00	7.5	5.0	13.50	2.3	1		2	20.00	19.1	33.0	150.00	3.0
R300-032A25-08H	24.00	32.00	6.0	4.0	5.00	1.9	1	5		25.00	27.3	25.0	150.00	1.2
R300-032A25-08M	24.00	32.00	6.0	4.0	5.00	1.9	1		4	25.00	27.3	25.0	190.00	1.2
R300-032A25-10H	22.00	32.00	7.5	5.0	7.50	2.3	1	4		25.00	26.1	25.0	150.00	3.0
R300-032A25-10M	22.00	32.00	7.5	5.0	7.50	2.3	1		3	25.00	26.1	25.0	190.00	3.0
R300-032A25-12H	20.00	32.00	9.0	6.0	12.00	3.0	1	3		25.00	25.3	25.0	150.00	3.0
R300-032A25-12M	20.00	32.00	9.0	6.0	12.00	3.0	1		2	25.00	25.3	25.0	190.00	3.0
R300-040A32-12H	28.00	40.00	9.0	6.0	8.00	3.0	1	4		32.00	33.3	25.0	150.00	3.0
R300-040A32-12M	28.00	40.00	9.0	6.0	8.00	3.0	1		3	32.00	33.3	25.0	250.00	3.0

R = Right hand, L = Left hand

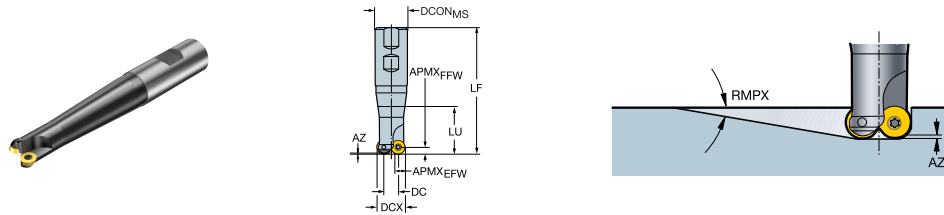
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	TQ [ft]
RA300-025025-09H	0.625	1.000	0.281	0.177	8.00	0.079	1	3		1.000	0.780	1.224	6.000	2.2
RA300-025025-09M	0.625	1.000	0.281	0.177	8.00	0.079	1		2	1.000	0.780	1.224	7.500	2.2
RA300-032032-09M	0.875	1.250	0.281	0.177	5.00	0.079	1		3	1.250	1.028	1.224	10.000	2.2
RA300-032032-13H	0.750	1.250	0.375	0.248	12.00	0.110	1	3		1.250	0.957	1.224	6.000	2.2
RA300-038032-09H	1.125	1.500	0.281	0.187	7.50	0.079	1	4		1.250	1.280	1.185	6.000	2.2
RA300-038032-13H	1.000	1.500	0.375	0.248	8.00	0.110	1	4		1.250	1.209	1.224	6.000	2.2
RA300-038032-13M	1.000	1.500	0.375	0.248	8.00	0.110	1		3	1.250	1.209	1.224	10.000	2.2

R = Right hand, L = Left hand

CoroMill® 300, cutter for profile milling

Weldon shank - Internal coolant supply. Positive design

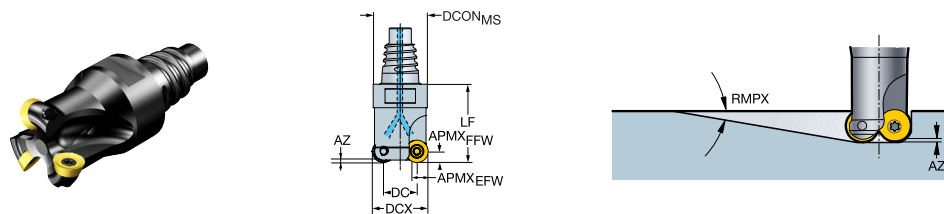


Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	TQ [ft]
RA300-025M25-09H	0.625	1.000	0.281	0.177	13.00	0.079	1	3		1.000	0.780	2.409	5.281	2.2
RA300-025M25-09M	0.625	1.000	0.281	0.177	13.00	0.079	1		2	1.000	0.780	2.409	5.281	2.2
RA300-032M32-09H	0.875	1.250	0.281	0.177	7.00	0.079	1		4	1.250	1.028	3.077	5.949	2.2
RA300-032M32-13H	0.750	1.250	0.375	0.248	12.00	0.110	1	3		1.250	0.957	3.077	5.949	2.2
RA300-032M32-13M	0.750	1.250	0.375	0.248	12.00	0.110	1		2	1.250	0.957	3.077	5.949	2.2
RA300-038M32-13H	1.000	1.500	0.375	0.248	8.00	0.110	1	4		1.250	1.209	3.409	6.281	2.2
RA300-038M32-13M	1.000	1.500	0.375	0.248	8.00	0.110	1		3	1.250	1.209	3.409	6.281	2.2

R = Right hand, L = Left hand

Coromant® EH - Internal coolant supply. Positive design



Metric (mm)

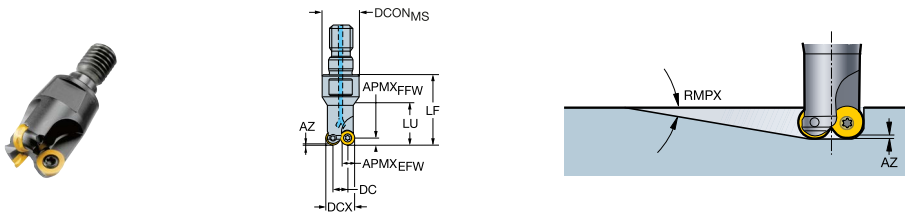
Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]
R300-25EH25-08M	17.00	25.00	6.0	4.0	5.00	0.6	1		3	24.20	20.3	24.5	35.00	1.2
R300-32EH25-08H	24.00	32.00	6.0	4.0	5.00	2.0	1	5		24.20	27.3	24.5	35.00	1.2
R300-32EH25-08M	24.00	32.00	6.0	4.0	5.00	2.0	1		4	24.20	27.3	24.5	35.00	1.2

R = Right hand, L = Left hand



CoroMill® 300, cutter for profile milling

Threaded coupling – Internal coolant supply. Positive design



Common data values

AZ
[mm]
1.9

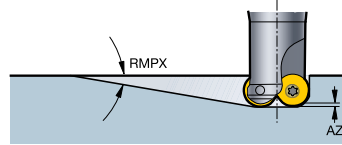
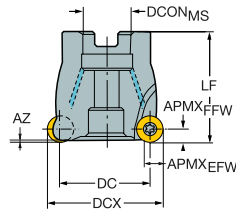
Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
R300-25T12-08M	17.00	25.00	6.0	4.0	8.00	1		3	20.80	20.3	18.0	35.00	1.2	9100
R300-32T16-08H	24.00	32.00	6.0	4.0	5.00	1	5		28.80	27.3	28.0	45.00	1.2	9100
R300-32T16-08M	24.00	32.00	6.0	4.0	5.00	1		4	28.80	27.3	28.0	45.00	1.2	9100
R300-40T16-08H	32.00	40.00	6.0	4.0	3.50	1	6		28.80	35.3	28.0	45.00	1.2	9100

R = Right hand, L = Left hand

CoroMill® 300, cutter for profile milling

Arbor shank - Internal coolant supply. Positive design



Metric (mm)

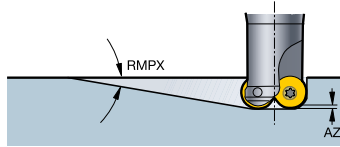
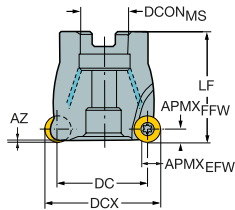
Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FW} [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R300-040Q16-08H	32.00	40.00	6.0	4.0	3.50	1.9	1	6		16.00	40.00	1.2	30800	A
R300-040Q16-08M	32.00	40.00	6.0	4.0	3.50	1.9	1		5	16.00	40.00	1.2	30800	A
R300-050Q22-08H	42.00	50.00	6.0	4.0	2.50	1.9	1	8		22.00	50.00	1.2	26700	A
R300-050Q22-12H	38.00	50.00	9.0	6.0	5.50	3.0	1	5		22.00	50.00	3.0	25000	A
R300-050Q22-12M	38.00	50.00	9.0	6.0	5.50	3.0	1		4	22.00	50.00	3.0	25000	A
R300-052Q22-08H	44.00	52.00	6.0	4.0	2.00	1.9	1	8		22.00	50.00	1.2	26100	A
R300-052Q22-12H	40.00	52.00	9.0	6.0	5.00	3.0	1	5		22.00	50.00	3.0	24400	A
R300-052Q22-12M	40.00	52.00	9.0	6.0	5.00	3.0	1		4	22.00	50.00	3.0	24400	A
R300-063Q22-08H	55.00	63.00	6.0	4.0	1.50	1.9	1	10		22.00	50.00	1.2	23700	A
R300-063Q22-12H	51.00	63.00	9.0	6.0	3.50	3.0	1	7		22.00	50.00	3.0	22100	A
R300-063Q22-12L	51.00	63.00	9.0	6.0	3.50	3.0	1		4	22.00	50.00	3.0	22100	A
R300-063Q22-12M	51.00	63.00	9.0	6.0	3.50	3.0	1		5	22.00	50.00	3.0	22100	A
R300-063Q22-16H	47.00	63.00	12.0	8.0	5.00	3.8	1	6		22.00	50.00	5.0	18200	A
R300-063Q22-16M	47.00	63.00	12.0	8.0	5.00	3.8	1		4	22.00	50.00	5.0	18200	A
R300-080Q27-08H	72.00	80.00	6.0	4.0	1.00	1.9	1	12		27.00	50.00	1.2	20500	A
R300-080Q27-12H	68.00	80.00	9.0	6.0	2.50	3.0	1	8		27.00	50.00	3.0	18900	A
R300-080Q27-12M	68.00	80.00	9.0	6.0	2.50	3.0	1		6	27.00	50.00	3.0	18900	A
R300-080Q27-16H	64.00	80.00	12.0	8.0	3.50	3.8	1	7		27.00	50.00	5.0	15400	A
R300-080Q27-16M	64.00	80.00	12.0	8.0	3.50	3.8	1		5	27.00	50.00	5.0	15400	A
R300-080Q27-20H	60.00	80.00	15.0	10.0	6.70	6.0	1	6		27.00	50.00	7.5	15622	A
R300-080Q27-20M	60.00	80.00	15.0	10.0	6.70	6.0	1		5	27.00	50.00	7.5	15622	A
R300-100Q32-16H	84.00	100.00	12.0	8.0	2.50	3.8	1	8		32.00	50.00	5.0	13300	A
R300-100Q32-16M	84.00	100.00	12.0	8.0	2.50	3.8	1		6	32.00	50.00	5.0	13300	A
R300-100Q32-20H	80.00	100.00	15.0	10.0	4.80	6.0	1	7		32.00	63.00	7.5	12843	A
R300-100Q32-20L	80.00	100.00	15.0	10.0	4.80	6.0	1		5	32.00	63.00	7.5	12843	A
R300-100Q32-20M	80.00	100.00	15.0	10.0	4.80	6.0	1		6	32.00	63.00	7.5	12843	A
R300-125Q32-16H	109.00	125.00	12.0	8.0	1.50	3.8	1	10		32.00	63.00	5.0	11900	A
R300-125Q32-16M	109.00	125.00	12.0	8.0	1.50	3.8	1		8	32.00	63.00	5.0	11900	A
R300-125Q40-20H	105.00	125.00	15.0	10.0	3.50	6.0	1	9		40.00	63.00	7.5	10768	B
R300-125Q40-20M	105.00	125.00	15.0	10.0	3.50	6.0	1		7	40.00	63.00	7.5	10768	B
R300-160Q40-20H	140.00	160.00	15.0	10.0	2.00	6.0	1	11		40.00	63.00	7.5	9106	B
R300-160Q40-20M	140.00	160.00	15.0	10.0	2.00	6.0	1		9	40.00	63.00	7.5	9106	B
R300-200Q60-20M	180.00	200.00	15.0	10.0	1.20	6.0	0		11	60.00	63.00	7.5	7799	C

R = Right hand. L = Left hand



CoroMill® 300, cutter for profile milling

Arbor shank - Internal coolant supply. Positive design



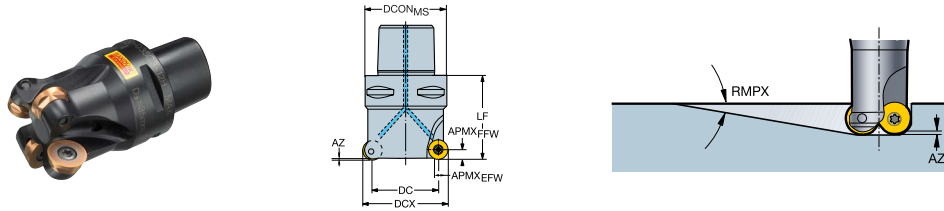
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]	STDLET
RA300-051R19-13H	1.500	2.000	0.375	0.248	5.50	0.110	1	5		0.750	1.969	2.2	16900	A
RA300-051R19-13M	1.500	2.000	0.375	0.248	5.50	0.110	1		4	0.750	1.969	2.2	16900	A
RA300-063R19-13H	2.000	2.500	0.375	0.248	3.50	0.110	1	6		0.750	1.969	2.2	14700	A
RA300-063R19-13M	2.000	2.500	0.375	0.248	3.50	0.110	1		5	0.750	1.969	2.2	14700	A
RA300-063R19-16H	1.870	2.500	0.472	0.315	5.00	0.150	1	6		0.750	1.969	3.7	18200	A
RA300-063R19-16M	1.870	2.500	0.472	0.315	5.00	0.150	1		4	0.750	1.969	3.7	18200	A
RA300-076R25-13H	2.500	3.000	0.375	0.248	2.70	0.110	1	7		1.000	1.969	2.2	13500	A
RA300-076R25-13L	2.500	3.000	0.375	0.248	2.70	0.110	1		5	1.000	1.969	2.2	13500	A
RA300-076R25-13M	2.500	3.000	0.375	0.248	2.70	0.110	1		6	1.000	1.969	2.2	13500	A
RA300-076R25-16H	2.370	3.000	0.472	0.315	4.00	0.150	1	7		1.000	1.969	3.7	16000	A
RA300-076R25-16M	2.370	3.000	0.472	0.315	4.00	0.150	1		5	1.000	1.969	3.7	16000	A
RA300-076R25-20H	2.213	3.000	0.591	0.394	7.10	0.236	1	5		1.000	1.969	5.5	16311	A
RA300-076R25-20M	2.213	3.000	0.591	0.394	7.10	0.236	1		4	1.000	1.969	5.5	16311	A
RA300-076R25-25M	2.000	3.000	0.750	0.492	11.20	0.236	1	4		1.000	1.969	7.5	18214	A
RA300-102R38-16H	3.370	4.000	0.472	0.315	2.50	0.150	1	8		1.500	2.480	3.7	13200	B
RA300-102R38-16M	3.370	4.000	0.472	0.315	2.50	0.150	1		6	1.500	2.480	3.7	13200	B
RA300-102R38-20M	3.213	4.000	0.591	0.394	4.70	0.236	1		6	1.500	2.480	5.5	12672	A
RA300-102R38-25H	3.000	4.000	0.750	0.492	6.50	0.276	1	6		1.500	2.480	7.5	13498	A
RA300-127R38-20M	4.213	5.000	0.591	0.394	3.40	0.236	1		7	1.500	2.480	5.5	10645	B
RA300-127R38-25H	4.000	5.000	0.750	0.492	4.70	0.276	1	7		1.500	2.480	7.5	10994	B
RA300-152R38-20M	5.213	6.000	0.591	0.394	2.10	0.236	1		9	1.500	2.480	5.5	9404	B
RA300-152R38-25M	5.000	6.000	0.750	0.492	3.40	0.276	1		7	1.500	2.480	7.5	9576	B
RA300-203R63-20M	7.213	8.000	0.591	0.394	1.20	0.236	0		11	2.500	2.480	5.5	7718	C
RA300-203R63-25M	7.000	8.000	0.750	0.492	2.30	0.276	0		8	2.500	2.480	7.5	7726	C

R = Right hand, L = Left hand

CoroMill® 300, cutter for profile milling

Coromant Capto® - Internal coolant supply. Positive design



Metric (mm)

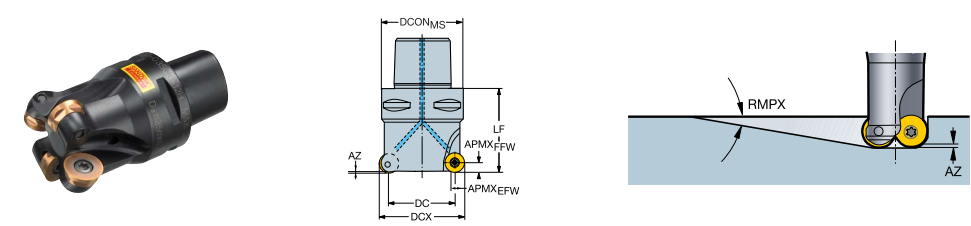
Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]
R300-035C3-08H	27.00	35.00	6.0	4.0	4.00	1.9	3	5		32.00	30.3	20.0	40.00	1.2
R300-035C3-08M	27.00	35.00	6.0	4.0	4.00	1.9	3		4	32.00	30.3	20.0	40.00	1.2
R300-035C3-10H	25.00	35.00	7.5	5.0	7.00	2.3	3	4		32.00	29.1	23.0	43.00	3.0
R300-035C3-12H	23.00	35.00	9.0	6.0	10.50	3.0	3	4		32.00	28.3	23.0	43.00	3.0
R300-035C3-12M	23.00	35.00	9.0	6.0	10.50	3.0	3		3	32.00	28.3	23.0	43.00	3.0
R300-042C4-08H	34.00	42.00	6.0	4.0	3.00	1.9	3	6		40.00	37.3	21.0	50.00	1.2
R300-042C4-10H	32.00	42.00	7.5	5.0	5.00	2.3	3	5		40.00	36.1	25.0	50.00	3.0
R300-042C4-12H	30.00	42.00	9.0	6.0	7.50	3.0	3	4		40.00	35.3	25.0	50.00	3.0
R300-042C4-12M	30.00	42.00	9.0	6.0	7.50	3.0	3		3	40.00	35.3	25.0	50.00	3.0
R300-052C5-08H	44.00	52.00	6.0	4.0	2.00	1.9	3	8		50.00	47.3	25.0	50.00	1.2
R300-052C5-12H	40.00	52.00	9.0	6.0	5.00	3.0	3	5		50.00	45.3	25.0	50.00	3.0
R300-052C5-12M	40.00	52.00	9.0	6.0	5.00	3.0	3		4	50.00	45.3	25.0	50.00	3.0
R300-052C5-16H	36.00	52.00	12.0	8.0	7.00	3.8	3	5		50.00	40.9	29.3	60.00	5.0
R300-052C5-16M	36.00	52.00	12.0	8.0	7.00	3.8	3		4	50.00	40.9	29.3	60.00	5.0
R300-066C6-08H	58.00	66.00	6.0	4.0	1.50	1.9	3	10		63.00	61.3	23.0	50.00	1.2
R300-066C6-12H	54.00	66.00	9.0	6.0	3.50	3.0	3	7		63.00	59.3	23.0	50.00	3.0
R300-066C6-12M	54.00	66.00	9.0	6.0	3.50	3.0	3		5	63.00	59.3	23.0	50.00	3.0
R300-066C6-16H	50.00	66.00	12.0	8.0	4.50	3.8	3	6		63.00	54.9	28.7	60.00	5.0
R300-066C6-16M	50.00	66.00	12.0	8.0	4.50	3.8	3		5	63.00	54.9	28.7	60.00	5.0
R300-066C6-20H	46.00	66.00	15.0	10.0	9.40	6.0	3	5		63.00			80.00	7.5
R300-066C6-20M	46.00	66.00	15.0	10.0	9.40	6.0	3		4	63.00			80.00	7.5
R300-080C6-08H	72.00	80.00	6.0	4.0	1.00	1.9	3	12		63.00	75.3	12.0	50.00	1.2
R300-080C6-12H	68.00	80.00	9.0	6.0	2.50	3.0	3	8		63.00	59.3	23.0	50.00	3.0
R300-080C6-12M	68.00	80.00	9.0	6.0	2.50	3.0	3		6	63.00	73.3	16.0	50.00	3.0
R300-080C6-16H	64.00	80.00	12.0	8.0	3.50	3.8	3	7		63.00	68.9	20.0	60.00	5.0
R300-080C6-16M	64.00	80.00	12.0	8.0	3.50	3.8	3		5	63.00	68.9	20.0	60.00	5.0
R300-080C6-20H	60.00	80.00	15.0	10.0	6.70	6.0	3	6		63.00			80.00	7.5
R300-080C6-20M	60.00	80.00	15.0	10.0	6.70	6.0	3		5	63.00			80.00	7.5
R300-100C8-20H	80.00	100.00	15.0	10.0	4.80	6.0	3	7		80.00			80.00	7.5
R300-100C8-20M	80.00	100.00	15.0	10.0	4.80	6.0	3		6	80.00			80.00	7.5

R = Right hand, L = Left hand



CoroMill® 300, cutter for profile milling

Coromant Capto® - Internal coolant supply. Positive design



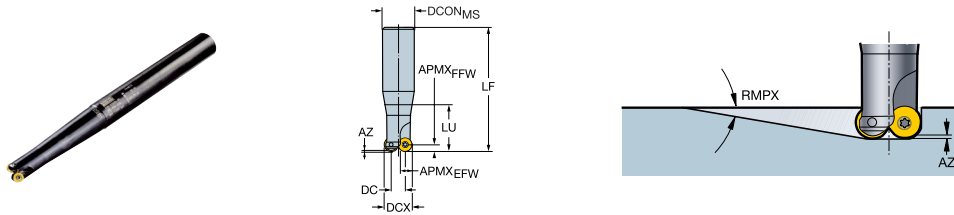
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	TQ [ft]
RA300-052C5-13H	1.547	2.047	0.375	0.248	5.00	0.110	3		5	1.969	1.760	0.878	2.000	2.2
RA300-052C5-13M	1.547	2.047	0.375	0.248	5.00	0.110	3		4	1.969	1.760	0.878	2.000	2.2
RA300-066C6-13H	2.098	2.598	0.375	0.248	3.50	0.110	3	7		2.480	2.309	0.906	2.000	2.2
RA300-066C6-13M	2.098	2.598	0.375	0.248	3.50	0.110	3		5	2.480	2.309	0.906	2.000	2.2
RA300-076C6-16H	2.370	2.992	0.472	0.315	2.70	0.150	3		7	2.480	2.563	0.906	2.362	3.7
RA300-076C6-25M	2.000	3.000	0.750	0.492	11.20	0.236	3	4		2.480			3.150	7.5
RA300-102C8-25H	3.000	4.000	0.750	0.492	6.50	0.276	3	6		3.150			3.150	7.5

R = Right hand, L = Left hand

CoroMill® 300, cutter for profile milling

Cylindrical shank - External coolant supply



Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]		DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]
R300-010A16L-05L	5.00	10.00	3.8	2.5	20.00	1.8	2	16.00	9.1	18.0	160.00	25.40	0.6
R300-012A16L-07L	5.00	12.00	5.3	3.5	20.00	1.0	2	16.00	10.4	21.0	200.00	37.80	0.9
R300-015A20L-07L	8.00	15.00	5.3	3.5	20.00	0.9	2	20.00	13.4	25.0	200.00	43.80	0.9
R300-016A20L-08L	8.00	16.00	6.0	4.0	20.00	1.8	2	20.00	14.1	25.0	200.00	51.90	1.2
R300-020A25L-10L	10.00	20.00	7.5	5.0	20.00	3.4	2	25.00	18.1	30.0	250.00	48.80	3.0
R300-024A25L-12L	12.00	24.00	9.0	6.0	20.00	2.7	2	25.00	22.1	30.0	250.00	76.00	3.0
R300-025A32L-12L	13.00	25.00	9.0	6.0	20.00	1.4	2	32.00	23.1	30.0	250.00	42.90	3.0
R300-032A32L-16L	16.00	32.00	12.0	8.0	20.00	4.8	2	32.00	29.0	40.0	250.00	72.20	5.0

R = Right hand, L = Left hand

Imperial (inch)

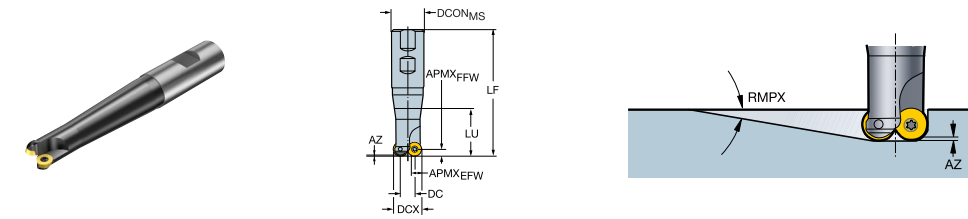
Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]		DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]
RA300-013016L-07L	0.224	0.500	0.207	0.138	20.00	0.055	2	0.625	0.437	0.827	8.000	1.815	0.7
RA300-016019L-08L	0.310	0.625	0.236	0.157	20.00	0.039	2	0.750	0.550	0.984	9.000	2.268	0.9
RA300-019019L-10L	0.356	0.750	0.295	0.197	20.00	0.110	2	0.750	0.675	1.181	9.000	2.843	2.2
RA300-025025L-13L	0.500	1.000	0.375	0.250	20.00	0.118	2	1.000	0.921	1.250	10.000	2.843	3.7
RA300-032032L-16L	0.620	1.250	0.472	0.315	20.00	0.197	2	1.250	1.132	1.500	10.000	2.843	3.7

R = Right hand, L = Left hand



CoroMill® 300, cutter for profile milling

Weldon shank - External coolant supply



Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]		DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]
R300-012B16L-07L	5.00	12.00	5.3	3.5	20.00	1.0	2	16.00	10.4	21.0	109.00	37.60	0.9
R300-015B20L-07L	8.00	15.00	5.3	3.5	20.00	0.9	2	20.00	13.4	25.0	131.00	43.60	0.9
R300-016B20L-08L	8.00	16.00	6.0	4.0	20.00	1.8	2	20.00	14.1	25.0	131.00	51.60	1.2
R300-020B25L-10L	10.00	20.00	7.5	5.0	20.00	3.4	2	25.00	18.1	30.0	137.00	48.40	3.0
R300-025B32L-12L	13.00	25.00	9.0	6.0	20.00	1.4	2	32.00	23.1	30.0	141.00	42.80	3.0

R = Right hand, L = Left hand

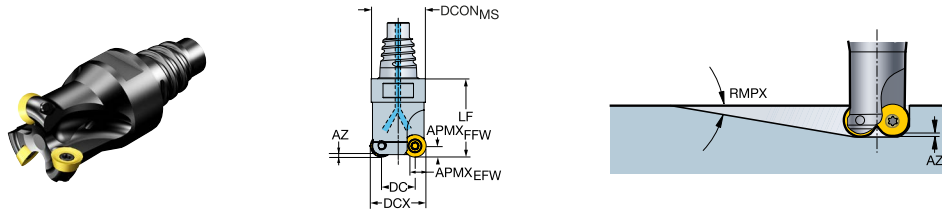
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]		DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]
RA300-016M19-08L	0.310	0.625	0.236	0.157	20.00	0.039	2	0.750	0.550	0.984	4.281	1.717	0.9
RA300-019M25-10L	0.356	0.750	0.295	0.197	20.00	0.110	2	1.000	0.675	1.181	4.781	1.539	2.2

R = Right hand, L = Left hand

CoroMill® 300, cutter for profile milling

Coromant EH - Internal coolant supply



Metric (mm)

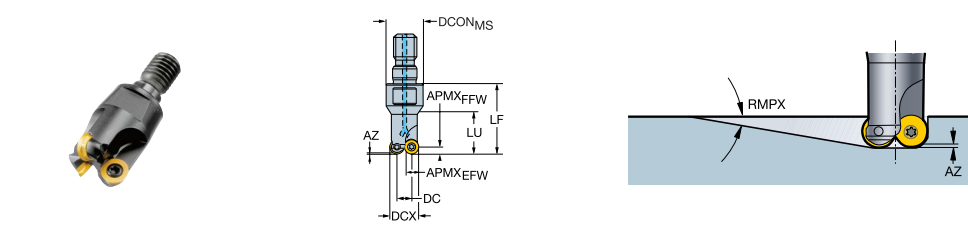
Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC		DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
R300-10EH10-05L	5.00	10.00	3.8	2.5	20.00	1.8	1	2	9.70	9.0	13.1	20.00	0.6	20000
R300-12EH12-05M	7.00	12.00	3.8	2.5	10.00	1.0	1	3	11.70	11.0	12.5	20.00	0.6	20000
R300-12EH12-07L	5.00	12.00	5.3	3.5	20.00	1.0	1	2	11.70	10.3	17.5	25.00	0.9	20000
R300-15EH12-07L	8.00	15.00	5.3	3.5	20.00	0.9	1	2	11.70	13.3	17.5	25.00	0.9	20000
R300-15EH12-07M	8.00	15.00	5.3	3.5	20.00	1.1	1	3	11.70	13.3	17.5	25.00	0.9	20000
R300-16EH16-07M	9.00	16.00	5.3	3.5	15.00	0.9	1	3	15.50	14.3	16.3	25.00	0.9	20000
R300-16EH16-08L	8.00	16.00	6.0	4.0	20.00	1.8	1	2	15.50	14.0	21.3	30.00	1.2	20000
R300-20EH20-08M	12.00	20.00	6.0	4.0	12.00	1.5	1	3	19.30	18.0	20.0	30.00	1.2	20000
R300-20EH20-10L	10.00	20.00	7.5	5.0	20.00	3.4	1	2	19.30	18.0	25.0	35.00	3.0	20000
R300-24EH20-12L	12.00	24.00	9.0	6.0	20.00	2.7	1	2	19.30	22.0	25.0	35.00	3.0	15000
R300-25EH25-10L	15.00	25.00	7.5	5.0	15.00	1.1	1	2	24.20	23.0	24.5	35.00	3.0	15000
R300-25EH25-10M	15.00	25.00	7.5	5.0	15.00	1.3	1	3	24.20	23.0	24.5	35.00	3.0	15000
R300-32EH25-10H	22.00	32.00	7.5	5.0	10.00	1.7	1	4	24.20	30.0	24.5	35.00	3.0	15000
R300-32EH25-12M	20.00	32.00	9.0	6.0	15.00	1.4	1	3	24.20	30.0	24.5	35.00	3.0	15000
R300-32EH25-16L	16.00	32.00	12.0	8.0	20.00	4.8	1	2	24.20	28.9	29.5	40.00	5.0	15000

R = Right hand, L = Left hand



CoroMill® 300, cutter for profile milling

Threaded coupling – Internal coolant supply

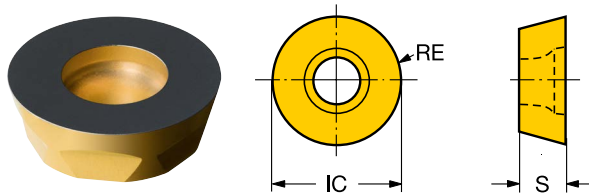


Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC		DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]
R300-12T08-05M	7.00	12.00	3.8	2.5	10.00	1.0	0	3	12.80	11.1	18.0	25.00		0.6
R300-12T08-07L	5.00	12.00	5.3	3.5	20.00	1.0	0	2	12.80	10.4	21.0	25.00	17.30	0.9
R300-15T08-07L	8.00	15.00	5.3	3.5	20.00	0.9	0	2	12.80	13.4		25.00		0.9
R300-16T08-08L	8.00	16.00	6.0	4.0	20.00	1.8	0	2	12.80	14.0		25.00		1.2
R300-20T10-08M	12.00	20.00	6.0	4.0	12.00	1.5	1	3	17.80	18.1		30.00		1.2
R300-20T10-10L	10.00	20.00	7.5	5.0	20.00	3.4	1	2	17.80	18.1		30.00		3.0
R300-24T12-12L	12.00	24.00	9.0	6.0	20.00	2.7	1	2	20.80	22.1		35.00		3.0
R300-25T12-10L	15.00	25.00	7.5	5.0	15.00	1.1	1	2	20.80	23.1		35.00		3.0
R300-25T12-10M	15.00	25.00	7.5	5.0	15.00	1.3	1	3	20.80	23.1		35.00		3.0
R300-32T16-10H	22.00	32.00	7.5	5.0	10.00	1.7	1	4	28.80	30.1		45.00		3.0
R300-32T16-12M	20.00	32.00	9.0	6.0	15.00	1.4	1	3	28.80	30.1		45.00		3.0
R300-35T16-10H	25.00	35.00	7.5	5.0	10.00	3.6	1	4	28.80	33.1		45.00		3.0
R300-35T16-12M	23.00	35.00	9.0	6.0	16.00	5.0	1	3	28.80	33.1		45.00		3.0
R300-40T16-10H	30.00	40.00	7.5	5.0	8.30	3.6	1	5	28.80	38.1		45.00		3.0
R300-40T16-12M	28.00	40.00	9.0	6.0	13.20	5.0	1	4	28.80	38.1		45.00		3.0
R300-42T16-10H	32.00	42.00	7.5	5.0	7.70	3.6	1	5	28.80	40.1		45.00		3.0
R300-42T16-12M	30.00	42.00	9.0	6.0	12.10	5.0	1	4	28.80	40.1		45.00		3.0

R = Right hand, L = Left hand

CoroMill® 300, insert for milling

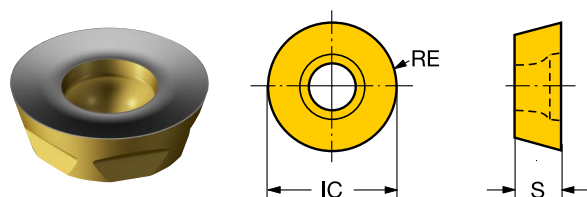


Metric (mm)

		S					K					N					
		Ordering code					H13A	H13A	1020	3330	H13A	SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND
Light	KL	R300-0828E-KL	○	○			●	08	2.78	4.0	8.00	4.0	Neutra				
		R300-1032E-KL	○	○			●	10	3.17	5.0	10.00	2.5	Neutra				
Medium	KM	R300-0828E-KM			●			08	2.78	4.0	8.00	4.0	Neutra				
		R300-1240E-KM			○	●		12	3.97	6.0	12.00	3.0	Neutra				

● = First choice ○ = Good choice

CoroMill® 300, insert for milling



Metric (mm)

		P H K											
		3040	3040	3330	1020	3040	SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND	
Heavy KH	R300-0828M-KH	○	○	●	○	○	08	2.78	4.0	8.00	4.0	Neutral	
	R300-1032M-KH			●			10	3.17	5.0	10.00	2.5	Neutral	
	R300-1240M-KH	○	○	●	○	○	12	3.97	6.0	12.00	3.0	Neutral	
	R300-1648M-KH	○	○	●	○	○	16	4.76	8.0	16.00	4.0	Neutral	
	R300-2060M-KH	○	○	●		○	20	6.48	10.0	20.00	2.9	Neutral	

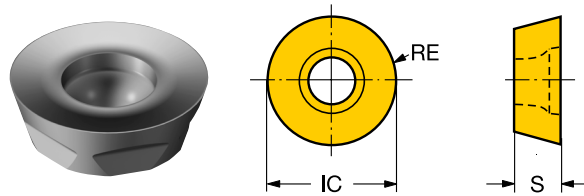
● = First choice ○ = Good choice

Imperial (inch)

		P H K										
		Ordering code	3040	3040	3330	3040	SSC	S [inch]	RE [inch]	IC [inch]	APMX [inch]	HAND
Heavy	KH	R300-1340M-KH	○	○	●	●	13	0.156	0.250	0.500	0.125	Neutral
		R300-2570M-KH			●	●	25	0.313	0.500	1.000	0.146	Neutral

● = First choice ○ = Good choice

CoroMill® 300, insert for milling



Metric (mm)

		S						M							
		Ordering code													
		1040	2030	2040	1040	2030	2040	SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND		
Light	ML	R300-1240E-ML	○	●	○	●	○	12	3.97	6.0	12.00	3.0	Neutral		
		R300-1648E-ML	○	○	●	●	○	16	4.76	8.0	16.00	4.0	Neutral		
		R300-2060E-ML	○	○	●	●	○	20	6.48	10.0	20.00	2.9	Neutral		

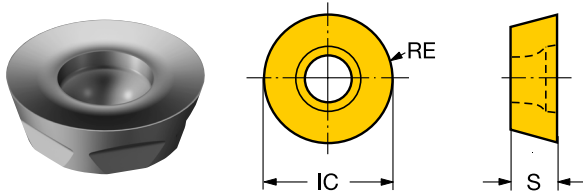
● = First choice ○ = Good choice

Imperial (inch)

		S						M							
		Ordering code													
		1040	2030	2040	1040	2030	2040	SSC	S [inch]	RE [inch]	IC [inch]	APMX [inch]	HAND		
Light	ML	R300-1340E-ML	○	●	○	●	○	13	0.156	0.250	0.500	0.125	Neutral		
		R300-2570E-ML	○	○	●	○	●	25	0.313	0.500	1.000	0.146	Neutral		

● = First choice ○ = Good choice

CoroMill® 300, insert for milling



Metric (mm)

		S						M							
Medium MM	Ordering code	1040	2030	2040	1040	2030	2040	SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND		
	R300-0828E-MM	○		●	●		○	08	2.78	4.0	8.00	4.0	Neutral		
	R300-0828M-MM	○	●	○	●	○	○	08	2.78	4.0	8.00	4.0	Neutral		
	R300-1032E-MM	○		●	●		○	10	3.17	5.0	10.00	2.5	Neutral		
	R300-1032M-MM	○	●	○	●	○	○	10	3.17	5.0	10.00	2.5	Neutral		
	R300-1240E-MM	○	●	○	●	○	○	12	3.97	6.0	12.00	3.0	Neutral		
	R300-1240M-MM	○	●	○	●	○	○	12	3.97	6.0	12.00	3.0	Neutral		
	R300-1648E-MM	○		●	●		○	16	4.76	8.0	16.00	4.0	Neutral		
	R300-1648M-MM	○	●	○	●	○	○	16	4.76	8.0	16.00	4.0	Neutral		
	R300-2060E-MM			●			●	20	6.48	10.0	20.00	2.9	Neutral		
	R300-2060M-MM	○	●	○	●	○	○	20	6.48	10.0	20.00	2.9	Neutral		

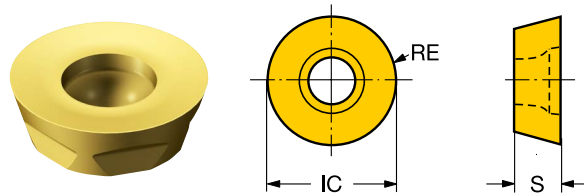
● = First choice ○ = Good choice

Imperial (inch)

		S						M							
Medium MM	Ordering code	1040	2030	2040	1040	2030	2040	SSC	S [inch]	RE [inch]	IC [inch]	APMX [inch]	HAND		
	R300-0720E-MM			●			●	07 20	0.078	0.138	0.276	0.138	Neutral		
	R300-0724E-MM			●			●	07 24	0.094	0.138	0.276	0.138	Neutral		
	R300-1340E-MM	○	●	○	●	○	○	13	0.156	0.250	0.500	0.125	Neutral		
	R300-1340M-MM	○	●	○	●	○	○	13	0.156	0.250	0.500	0.125	Neutral		
	R300-2570M-MM			●			●	25	0.313	0.500	1.000	0.146	Neutral		

● = First choice ○ = Good choice

CoroMill® 300, insert for milling



Metric (mm)

		P		M								
		2030		2040		SSC	S	RE	IC	APMX	HAND	
Ordering code							[mm]	[mm]	[mm]	[mm]		
Heavy	MH	R300-0828M-MH	○	○	●	08	2.78	4.0	8.00	4.0	Neutral	
		R300-1032M-MH	○	○	○	10	3.17	5.0	10.00	2.5	Neutral	
		R300-1240M-MH	○	○	○	12	3.97	6.0	12.00	3.0	Neutral	
		R300-1648M-MH	○	○	○	16	4.76	8.0	16.00	4.0	Neutral	
		R300-2060M-MH	○	○	○	20	6.48	10.0	20.00	2.9	Neutral	

● = First choice ○ = Good choice

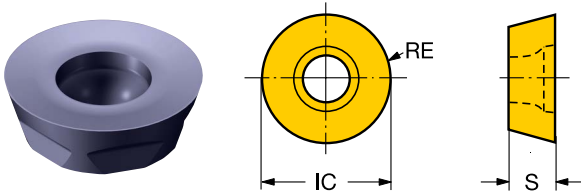
Imperial (inch)

		P		M							
		2040		2040		SSC	S	RE	IC	APMX	HAND
		Ordering code					[inch]	[inch]	[inch]	[inch]	
Heavy	MH	R300-1340M-MH	○	●	13	0.156	0.250	0.500	0.125	Neutral	
		P		M							

● = First choice ○ = Good choice



CoroMill® 300, insert for milling



Metric (mm)

		P			S			H	M											
		Ordering code		4340	1010	1230	S30T	S40T	1230	1010	S30T	S40T	4340	1230	SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND
Light	PL	R300-0828E-PL		○	●	●	○	○			○	○		○	08	2.78	4.0	8.00	4.0	Neutra
		R300-1032E-PL		○	●	●	○	○			○	○		○	10	3.17	5.0	10.00	2.5	Neutra
		R300-1240E-PL	●	○	○	●	○	○	●	○		○	○	○	12	3.97	6.0	12.00	3.0	Neutra
		R300-1648E-PL			●	●	○	○			○	○		○	16	4.76	8.0	16.00	4.0	Neutra
		R300-2060E-PL			●		●	○				○		○	20	6.48	10.0	20.00	2.9	Neutra

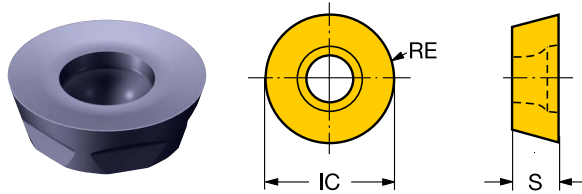
● = First choice ○ = Good choice

Imperial (inch)

			P		S		M									
Ordering code			1230	1010	S30T	S40T	1230	S30T	S40T	1230	SSC	S [inch]	RE [inch]	IC [inch]	APMX [inch]	HAND
Light	PL	R300-1340E-PL	●		●	○	○	○	○	○	13	0.156	0.250	0.500	0.125	Neutral
		R300-2570E-PL	●	○		●	○		○	○	25	0.313	0.500	1.000	0.146	Neutral
			P		S		M									

● = First choice ○ = Good choice

CoroMill® 300, insert for milling



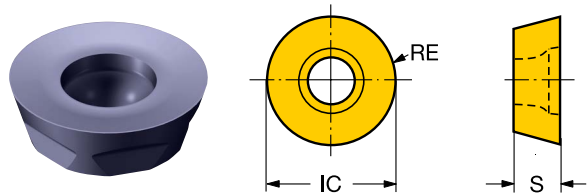
Metric (mm)

		P					S				H	K									
		4340	4330	4220	1230	1010	S30T	S40T	1230	4220	1010	4340	4330	4220	1010	SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND
Medium PM	R300-0517E-PM	●			○							○				05	1.70	2.5	5.00	2.5	Neutral
	R300-0720E-PM	●			○							○				07 20	1.99	3.5	7.00	3.5	Neutral
	R300-0724E-PM	●			○							○				07 24	2.38	3.5	7.00	3.5	Neutral
	R300-0828E-PM	●			○	○	●	○	○		●	○			○	08	2.78	4.0	8.00	4.0	Neutral
	R300-0828M-PM	●			○		●	○	○			○				08	2.78	4.0	8.00	4.0	Neutral
	R300-1032E-PM	●			○	○					●	○			○	10	3.17	5.0	10.00	2.5	Neutral
	R300-1032M-PM	○	●		○							○	○			10	3.17	5.0	10.00	2.5	Neutral
	R300-1240E-PM	●			○	○					●	○			○	12	3.97	6.0	12.00	3.0	Neutral
	R300-1240M-PM	○	●	○	○					●		○	○	○		12	3.97	6.0	12.00	3.0	Neutral
	R300-1648E-PM	●			○	○					●	○			○	16	4.76	8.0	16.00	4.0	Neutral
	R300-1648M-PM	○	●		○							○	○			16	4.76	8.0	16.00	4.0	Neutral
	R300-2060E-PM				●	○					●				○	20	6.48	10.0	20.00	2.9	Neutral
	R300-2060M-PM	○	●		○							○	○			20	6.48	10.0	20.00	2.9	Neutral

● = First choice ○ = Good choice



CoroMill® 300, insert for milling

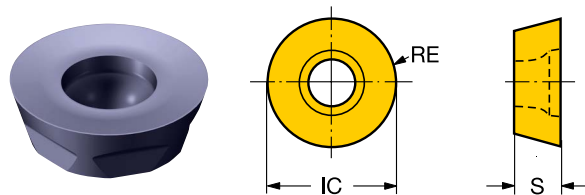


Imperial (inch)

		P					H	K									
		Ordering code										SSC	S [inch]	RE [inch]	IC [inch]	APMX [inch]	HAND
Medium	PM	R300-0932E-PM			○	●	●			○	09	0.125	0.188	0.375	0.094	Neutral	
		R300-0932M-PM				●					09	0.125	0.188	0.375	0.094	Neutral	
		R300-1340E-PM			○	●	●			○	13	0.156	0.250	0.500	0.125	Neutral	
		R300-1340M-PM	○	●		○		○	○		13	0.156	0.250	0.500	0.125	Neutral	
		R300-2570M-PM	○	●		○		○	○		25	0.313	0.500	1.000	0.146	Neutral	

● = First choice ○ = Good choice

CoroMill® 300, insert for milling



Metric (mm)

		P						H							
		Ordering code	4340	4330	4220	1230	1010	4220	1010	SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND
Heavy	PH	R300-0828M-PH	○	●	○	○	○	○	○	08	2.78	4.0	8.00	4.0	Neutral
		R300-1032M-PH	○	●	○	○	○	●	○	10	3.17	5.0	10.00	2.5	Neutral
		R300-1240M-PH	○	●	○	○	○	○	●	12	3.97	6.0	12.00	3.0	Neutral
		R300-1648M-PH	○	●	○	○	○	○	●	16	4.76	8.0	16.00	4.0	Neutral
		R300-2060M-PH	○	●	○	○	○	○	●	20	6.48	10.0	20.00	2.9	Neutral

● = First choice ○ = Good choice

Imperial (inch)

		P									
		Ordering code	4340	4330	1230	SSC	S [inch]	RE [inch]	IC [inch]	APMX [inch]	HAND
Heavy	PH	R300-0932M-PH	●			09	0.125	0.188	0.375	0.094	Neutral
		R300-1340M-PH	○	●	○	13	0.156	0.250	0.500	0.125	Neutral
		R300-2570M-PH	○	●	○	25	0.313	0.500	1.000	0.146	Neutral

● = First choice ○ = Good choice



Read more about CoroMill® 200:
sandvik.coromant.com/coromill200



CoroMill® 200

Robust face milling and profile cutter

CoroMill® 200 is a very stable rougher and a versatile tool. It is a good choice for general milling as well as for die and mould-making and should be the first choice for roughing operations. Strong cutting edges make the cutter resistant to tough conditions with interruptions (holes, gaps etc.) and/or abrasive scale (skin).

Application

- Profile milling roughing
- Face milling roughing

Features and benefits

- Process security and reliability
- High metal removal rates
- Cylindrical shank, Arbor, CIS Arbor, Whistle Notch or Weldon mounting
- Insert geometries and grades for all materials
- Insert geometries for high chip removal rates – large a_p and f_z
- Tailor Made™ options available
- Eight cutting edges
- Shim protection



P M K N S H
ISO application areas

Reliable roughing for tough cuts

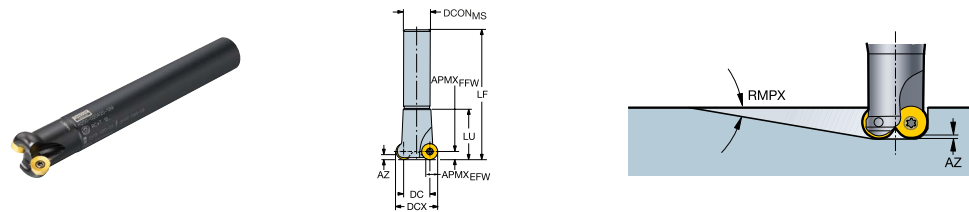
Built for process security and high metal removal, this rougher is the go-to choice for everything from general milling to die and mould-making. Strong cutting edges and shim protection ensure stable performance, even in interrupted cuts and abrasive surfaces.





CoroMill® 200, cutter for profile milling

Cylindrical shank - External coolant supply

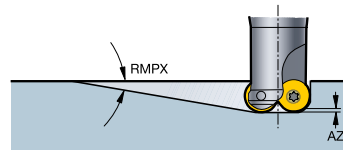
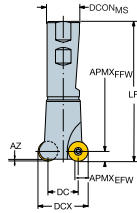


Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]
R200-015A20-10H	15.00	25.00	7.5	5.0	13.00	2.9	3		20.00	25.0	25.0	150.00	3.0
R200-015A20-10M	15.00	25.00	7.5	5.0	13.00	2.9	2		20.00	25.0	25.0	150.00	3.0
R200-020A25-12H	20.00	32.00	9.0	6.0	13.00	3.7	3		25.00	32.0	32.0	190.00	3.0
R200-020A25-12M	20.00	32.00	9.0	6.0	13.00	3.7	2		25.00	32.0	32.0	190.00	3.0
R200-024A32-16L	24.00	40.00	12.0	8.0	13.00	4.9	2		32.00	40.0	40.0	240.00	5.0
R200-024A32-16M	24.00	40.00	12.0	8.0	13.00	4.9	3		32.00	40.0	40.0	240.00	5.0
R200-028A32-12L	28.00	40.00	9.0	6.0	9.50	3.7	2		32.00	40.0	40.0	240.00	3.0
R200-028A32-12M	28.00	40.00	9.0	6.0	9.50	3.7		3	32.00	40.0	40.0	240.00	3.0
R200-030A32-20L	30.00	50.00	15.0	10.0	13.00	6.1	2		32.00	50.0	50.0	240.00	7.5
R200-030A32-20M	30.00	50.00	15.0	10.0	13.00	6.1	3		32.00	50.0	50.0	240.00	7.5
R200-034A32-16M	34.00	50.00	12.0	8.0	11.00	4.9	3		32.00	50.0	50.0	240.00	5.0
R200-038A32-12L	38.00	50.00	9.0	6.0	6.50	3.7	3		32.00	50.0	50.0	240.00	3.0
R200-038A32-12M	38.00	50.00	9.0	6.0	6.50	3.7		4	32.00	50.0	50.0	240.00	3.0

R = Right hand, L = Left hand

Weldon shank - External coolant supply



Imperial (inch)

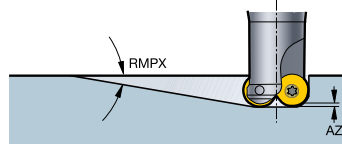
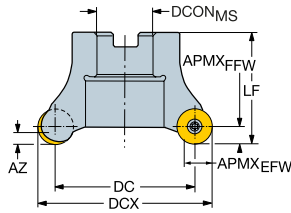
Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]		DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]
RA200-016MN25-09M	0.625	1.000	0.281	0.187	13.00	0.106	2	1.000	1.000	3.000	5.197	3.000	1.5
RA200-019MN32-13M	0.750	1.250	0.375	0.250	13.00	0.138	2	1.250	1.250	3.750	6.024	3.750	2.2
RA200-025MN32-13M	1.000	1.500	0.375	0.250	11.00	0.138	3	1.250	1.500	4.000	6.299		2.2
RA200-032MN32-19M	1.250	2.000	0.563	0.375	13.00	0.228	3	1.250	2.000	1.625	4.016		5.5
RA200-038MN32-13M	1.500	2.000	0.375	0.250	6.00	0.138	4	1.250	2.000	1.125	4.016		2.2

R = Right hand, L = Left hand



CoroMill® 200, cutter for profile milling

Arbor shank - External coolant supply



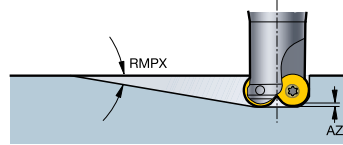
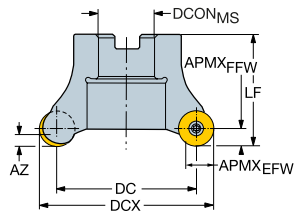
Metric (mm)

Ordering code	DC [mm]	DCX [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]			DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]
R200-038Q22-12H	38.00	50.00	9.0	6.0	6.50	3.7	5		22.00	50.0	50.0	50.00	3.0
R200-038Q22-12L	38.00	50.00	9.0	6.0	6.50	3.7		3	22.00	50.0	50.0	50.00	3.0
R200-038Q22-12M	38.00	50.00	9.0	6.0	6.50	3.7		4	22.00	50.0	50.0	50.00	3.0
R200-040Q22-12H	40.00	52.00	9.0	6.0	6.30	3.7	5		22.00	52.0	50.0	50.00	3.0
R200-040Q22-12L	40.00	52.00	9.0	6.0	6.30	3.7		3	22.00	52.0	50.0	50.00	3.0
R200-040Q22-12M	40.00	52.00	9.0	6.0	6.30	3.7		4	22.00	52.0	50.0	50.00	3.0
R200-047Q22-16M	47.00	63.00	12.0	8.0	7.00	4.9		4	22.00	63.0	50.0	50.00	5.0
R200-050Q27-16H	50.00	66.00	12.0	8.0	6.80	4.9	5		27.00	66.0	50.0	50.00	5.0
R200-050Q27-16M	50.00	66.00	12.0	8.0	6.80	4.9		4	27.00	66.0	50.0	50.00	5.0
R200-051Q22-12H	51.00	63.00	9.0	6.0	4.50	3.7	5		22.00	63.0	50.0	50.00	3.0
R200-051Q22-12L	51.00	63.00	9.0	6.0	4.50	3.7		3	22.00	63.0	50.0	50.00	3.0
R200-051Q22-12M	51.00	63.00	9.0	6.0	4.50	3.7		4	22.00	63.0	50.0	50.00	3.0
R200-060Q27-20L	60.00	80.00	15.0	10.0	7.00	6.1		3	27.00	80.0	50.0	50.00	7.5
R200-060Q27-20M	60.00	80.00	15.0	10.0	7.00	6.1	4		27.00	80.0	50.0	50.00	7.5
R200-064Q27-16H	64.00	80.00	12.0	8.0	5.00	4.9	6		27.00	80.0	50.0	50.00	5.0
R200-064Q27-16L	64.00	80.00	12.0	8.0	5.00	4.9		4	27.00	80.0	50.0	50.00	5.0
R200-064Q27-16M	64.00	80.00	12.0	8.0	5.00	4.9	5		27.00	80.0	50.0	50.00	5.0
R200-068Q27-12L	68.00	80.00	9.0	6.0	3.50	3.7		4	27.00	80.0	50.0	50.00	3.0
R200-068Q27-12M	68.00	80.00	9.0	6.0	3.50	3.7		6	27.00	80.0	50.0	50.00	3.0
R200-080Q32-20L	80.00	100.00	15.0	10.0	5.00	6.1		4	32.00	100.0	63.0	63.00	7.5
R200-080Q32-20M	80.00	100.00	15.0	10.0	5.00	6.1	6		32.00	100.0	63.0	63.00	7.5
R200-084Q32-16M	84.00	100.00	12.0	8.0	3.60	4.9		6	32.00	100.0	50.0	50.00	5.0
R200-088Q32-12L	88.00	100.00	9.0	6.0	2.50	3.7		4	32.00	100.0	50.0	50.00	3.0
R200-088Q32-12M	88.00	100.00	9.0	6.0	2.50	3.7		6	32.00	100.0	50.0	50.00	3.0
R200-105Q32-20L	105.00	125.00	15.0	10.0	3.50	6.1		5	32.00	125.0	63.0	63.00	7.5
R200-105Q32-20M	105.00	125.00	15.0	10.0	3.50	6.1	6		32.00	125.0	63.0	63.00	7.5
R200-109Q32-16L	109.00	125.00	12.0	8.0	2.50	4.9		5	32.00	125.0	50.0	50.00	5.0
R200-109Q32-16M	109.00	125.00	12.0	8.0	2.50	4.9		6	32.00	125.0	50.0	50.00	5.0
R200-140Q40-20L	140.00	160.00	15.0	10.0	2.50	6.1		6	40.00	160.0	63.0	63.00	7.5
R200-140Q40-20M	140.00	160.00	15.0	10.0	2.50	6.1	8		40.00	160.0	63.0	63.00	7.5

R = Right hand, L = Left hand

CoroMill® 200, cutter for profile milling

Arbor shank - External coolant supply



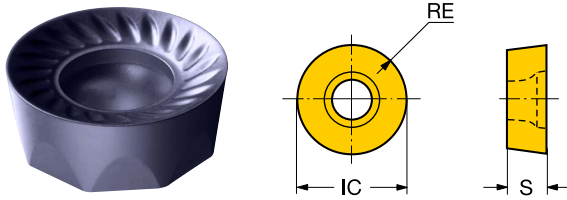
Imperial (inch)

Ordering code	DC [inch]	DCX [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]			DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	TQ [ft]
RA200-038R19-13H	1.500	2.000	0.375	0.250	6.00	0.138	5		0.750	2.000	1.969	1.969	2.2
RA200-038R19-13H-HD	1.500	2.000	0.375	0.250	6.00	0.138	5		0.750	2.000	1.969	1.969	2.2
RA200-038R19-13L	1.500	2.000	0.375	0.250	6.00	0.138		3	0.750	2.000	1.969	1.969	2.2
RA200-038R19-13M	1.500	2.000	0.375	0.250	6.00	0.138	4		0.750	2.000	1.969	1.969	2.2
RA200-057R25-19L	2.250	3.000	0.563	0.375	7.00	0.228		4	1.000	3.000	1.969	1.969	5.5
RA200-057R25-19M	2.250	3.000	0.563	0.375	7.00	0.228	5		1.000	3.000	1.969	1.969	5.5
RA200-063R25-13H	2.500	3.000	0.375	0.250	3.00	0.138	6		1.000	3.000	1.969	1.969	2.2
RA200-063R25-13L	2.500	3.000	0.375	0.250	3.00	0.138		4	1.000	3.000	1.969	1.969	2.2
RA200-063R25-13M	2.500	3.000	0.375	0.250	3.00	0.138		5	1.000	3.000	1.969	1.969	2.2
RA200-068J25.4-12M	2.677	3.150	0.354	0.236	3.50	0.146		6	1.000	3.150	1.969	1.969	2.2
RA200-083R38-19L	3.250	4.000	0.563	0.375	4.00	0.228		4	1.500	4.000	2.480	2.480	5.5
RA200-083R38-19M	3.250	4.000	0.563	0.375	4.00	0.228	6		1.500	4.000	2.480	2.480	5.5
RA200-088J31.75-12M	3.465	3.937	0.354	0.236	2.50	0.146		6	1.250	3.937	2.480	2.480	2.2
RA200-089R38-13L	3.500	4.000	0.375	0.250	2.50	0.138		5	1.500	4.000	1.969	1.969	2.2
RA200-089R38-13M	3.500	4.000	0.375	0.250	2.50	0.138	8		1.500	4.000	1.969	1.969	2.2
RA200-108R38-19M	4.250	5.000	0.563	0.375	3.00	0.228	6		1.500	5.000	2.480	2.480	5.5
RA200-114R38-13M	4.500	5.000	0.375	0.250	1.00	0.138	10		1.500	5.000	2.480	2.480	2.2
RA200-133R38-19L	5.250	6.000	0.563	0.375	2.00	0.228		6	1.500	6.000	2.480	2.480	5.5
RA200-133R38-19M	5.250	6.000	0.563	0.375	2.00	0.228	8		1.500	6.000	2.480	2.480	5.5
RA200-140J50.8-20M	5.512	6.299	0.591	0.394	2.50	0.240	8		2.000	6.299	2.480	2.480	5.5
RA200-140R38-13L	5.500	6.000	0.375	0.250	1.00	0.138		8	1.500	6.000	2.480	2.480	2.2
RA200-140R38-13M	5.500	6.000	0.375	0.250	1.00	0.138	12		1.500	6.000	2.480	2.480	2.2
RA200-184R63-19L	7.250	8.000	0.563	0.375	2.00	0.228		8	2.500	8.000	2.480	2.480	5.5
RA200-235R63-19L	9.250	10.000	0.563	0.375	1.00	0.228		10	2.500	10.000	2.480	2.480	5.5

R = Right hand, L = Left hand



CoroMill® 200, insert for milling

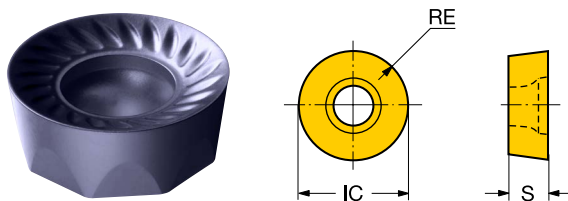


Metric (mm)

			P						H			M											
			Ordering code													SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND		
			530	4340	4330	4220	1010	1230	530	4220	1010	530	S30T	4340	S40T	1230							
Heavy	PH	RCKT 10 T3 M0-PH		○	●			○									10	3.97	5.0	10.00	5.0	Neutral	
		RCKT 12 04 M0-PH		○	●	○		○		●								12	4.76	6.0	12.00	1.8	Neutral
		RCKT 16 06 M0-PH		○	●	○		○		●								16	6.35	8.0	16.00	2.3	Neutral
		RCKT 20 06 M0-PH		○	●	○		○		●								20	6.35	10.0	20.00	2.9	Neutral
Light	PL	RCHT 10 T3 M0-PL					○	●			●					○	10	3.97	5.0	10.00	5.0	Neutral	
		RCHT 12 04 M0-PL	○				○	●	○		●	○				○	12	4.76	6.0	12.00	1.8	Neutral	
		RCHT 16 06 M0-PL						●								○	16	6.35	8.0	16.00	2.3	Neutral	
		RCHT 20 06 M0-PL						●								○	20	6.35	10.0	20.00	2.9	Neutral	
Medium	PM	RCKT 10 T3 M0-PM		○	●	○		○		●			○	○		○	10	3.97	5.0	10.00	5.0	Neutral	
		RCKT 12 04 M0-PM		○	●	○		○		●			○	○	○	○	12	4.76	6.0	12.00	1.8	Neutral	
		RCKT 16 06 M0-PM		○	●	○		○		●			○	○	○	○	16	6.35	8.0	16.00	2.3	Neutral	
		RCKT 20 06 M0-PM		○	●	○		○		●			○	○	○	○	20	6.35	10.0	20.00	2.9	Neutral	

● = First choice ○ = Good choice

CoroMill® 200, insert for milling



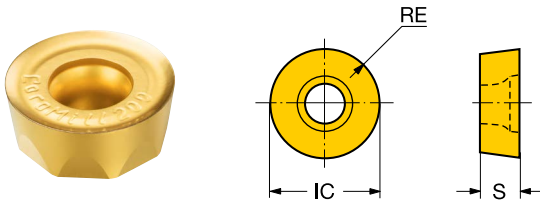
Imperial (inch)

		P					H	M												
		Ordering code											SSC	S [inch]	RE [inch]	IC [inch]	APMX [inch]	HAND		
Heavy	PH	RCKT 09 T3 00-PH	○	○	●		○	●						3/8	0.156	0.188	0.375	0.188	Neutral	
		RCKT 13 04 00-PH	○	○	●		○	●						1/2	0.188	0.250	0.500	0.073	Neutral	
		RCKT 19 06 00-PH	○	○	●		○	●						3/4	0.250	0.375	0.750	0.110	Neutral	
Light	PL	RCHT 09 T3 00-PL				○	●		●				○	3/8	0.156	0.188	0.375	0.188	Neutral	
		RCHT 13 04 00-PL					○	●		●				○	1/2	0.188	0.250	0.500	0.073	Neutral
		RCHT 19 06 00-PL						●						○	3/4	0.250	0.375	0.750	0.110	Neutral
Medium	PM	RCKT 09 T3 00-PM			●		○						○	3/8	0.156	0.188	0.375	0.188	Neutral	
		RCKT 13 04 00-PM	○	○	●		○	●		○	○	○	○	1/2	0.188	0.250	0.500	0.073	Neutral	
		RCKT 19 06 00-PM	○		●		○			○	○	○	○	3/4	0.250	0.375	0.750	0.110	Neutral	

● = First choice ○ = Good choice



CoroMill® 200, insert for milling



Metric (mm)

		S				H	K	M				N							
		Ordering code										H13A	SSC	S [mm]	RE [mm]	IC [mm]	LE [mm]	APMX [mm]	HAND
Light	KL	RCHT 10 T3 M0-KL	○					○				●	10	3.97	5.0	10.00		5.0	Neutral
		RCHT 12 04 M0-KL	○					○				●	12	4.76	6.0	12.00		1.8	Neutral
		RCHT 16 06 M0-KL	○					○				●	16	6.35	8.0	16.00		2.3	Neutral
		RCHT 20 06 M0-KL	○					○				●	20	6.35	10.0	20.00		2.9	Neutral
	ML	RCHT 10 T3 M0-ML		○		●			●		○	10	3.97	5.0	10.00		5.0	Neutral	
		RCHT 16 06 M0-ML		○	●	○			●	○	○	16	6.35	8.0	16.00		2.3	Neutral	
		RCHT 20 06 M0-ML				●					●	20	6.35	10.0	20.00		2.9	Neutral	
		RCHT1204M0-ML		○	●	○			●	○	○	12	4.76	6.0	12.00		1.8	Neutral	
	PO	RCHT 12 04 M0					○	○				12	4.76	6.0	12.00	3.0	1.8	Neutral	
		S				H	K	M				N							

● = First choice ○ = Good choice

Imperial (inch)

			S				K	M				N								
			Ordering code										H13A	SSC	S	RE	IC	APMX	HAND	
			H13A	1040	2030	2040	H13A	1040	2030	2040	H13A	1040	2030	2040	SSC	S [inch]	RE [inch]	IC [inch]	APMX [inch]	HAND
Light	KL	RCHT 13 04 00-KL	○				○							●	1/2	0.188	0.250	0.500	0.073	Neutral
		RCHT 09 T3 00-ML		○				●							3/8	0.156	0.188	0.375	0.188	Neutral
	ML	RCHT 13 04 00-ML		○	●	○		●	○	○					1/2	0.188	0.250	0.500	0.073	Neutral
		RCHT 19 06 00-ML				●					●				3/4	0.250	0.375	0.750	0.110	Neutral
							K	M				N								

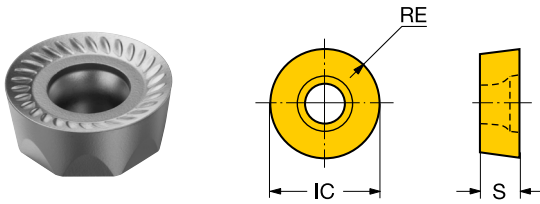
● = First choice ○ = Good choice

The technical drawing illustrates a hexagonal nut. It includes a 3D perspective view on the left, a top view in the middle, and a side view on the right. The top view is a yellow circle with a central white circle, labeled with 'IC' for inner diameter and 'RE' for outer diameter. The side view shows the hexagonal profile with a label 'S' indicating the thickness.

		P		S		H		K		M		N																			
		Ordering code		530	235	3040	1040	2030	2040	H10F	530	3040	3330	1020	3220	6190	3040	530	235	1040	2030	2040	530	H10F	SSC	S [mm]	RE [mm]	IC [mm]	APMX [mm]	HAND	
Heavy	KH	RCKT 10 T3 M0-KH			○							○	●				○								10	3.97	5.0	10.00	5.0	Neutral	
		RCKT 12 04 M0-KH			○							○	●	○	○			○							12	4.76	6.0	12.00	1.8	Neutral	
		RCKT 16 06 M0-KH			○							○	●	○	○			○							16	6.35	8.0	16.00	2.3	Neutral	
		RCKT 20 06 M0-KH			○							○	●	○	○			○							20	6.35	10.0	20.00	2.9	Neutral	
Medium	KM	RCKT 10 T3 M0-KM											●	○			○								10	3.97	5.0	10.00	5.0	Neutral	
		RCKT 12 04 M0-KM											●	○	○			○							12	4.76	6.0	12.00	1.8	Neutral	
		RCKT 16 06 M0-KM											●	○	○			○							16	6.35	8.0	16.00	2.3	Neutral	
		RCKT 20 06 M0-KM											●	○	○			○							20	6.35	10.0	20.00	2.9	Neutral	
	MM	RCKT 10 T3 M0-MM				○	●	○												●	○	○				10	3.97	5.0	10.00	5.0	Neutral
		RCKT 12 04 M0-MM				○	●	○												●	○	○				12	4.76	6.0	12.00	1.8	Neutral
		RCKT 16 06 M0-MM				○	●	○												●	○	○				16	6.35	8.0	16.00	2.3	Neutral
		RCKT 20 06 M0-MM				○	●	○												●	○	○				20	6.35	10.0	20.00	2.9	Neutral
	SK15	RCKT 12 04 M0															○									12	4.76	6.0	12.00	1.8	Neutral
		RCKT 16 06 M0															○									16	6.35	8.0	16.00	2.3	Neutral
	WM	RCKT 10 T3 M0-WM	○	○					●	○									○	○				○	○	10	3.97	5.0	10.00	5.0	Neutral
		RCKT 12 04 M0-WM	○	○					●	○									○	○				○	○	12	4.76	6.0	12.00	1.8	Neutral
RCKT 16 06 M0-WM			○					●											○				○	16	6.35	8.0	16.00	2.3	Neutral		
RCKT 20 06 M0-WM			○																○					20	6.35	10.0	20.00	2.9	Neutral		
		P		S		H		K		M		N																			

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CoroMill® 200, insert for milling



Imperial (inch)

			P		S			H	K			M			N										
			Ordering code		235	3040	2030	1040	2040	H10F	3040	3330	1020	3040	235	2030	1040	2040	H10F	SSC	S [inch]	RE [inch]	IC [inch]	APMX [inch]	HAND
Heavy	KH	RCKT 09 T3 00-KH		○						○			●							3/8	0.156	0.188	0.375	0.188	Neutral
		RCKT 13 04 00-KH		○						○			●							1/2	0.188	0.250	0.500	0.073	Neutral
		RCKT 19 06 00-KH		○						○	●	○	○							3/4	0.250	0.375	0.750	0.110	Neutral
Medium	KM	RCKT 13 04 00-KM									●		○							1/2	0.188	0.250	0.500	0.073	Neutral
	MM	RCKT 09 T3 00-MM			●		○									○		●		3/8	0.156	0.188	0.375	0.188	Neutral
		RCKT 13 04 00-MM			●	○	○									○	●	○		1/2	0.188	0.250	0.500	0.073	Neutral
		RCKT 19 06 00-MM			●	○	○									○	●	○		3/4	0.250	0.375	0.750	0.110	Neutral
	WM	RCKT 13 04 00-WM	○						●					○					○	1/2	0.188	0.250	0.500	0.073	Neutral
		RCKT 19 06 00-WM							●										○	3/4	0.250	0.375	0.750	0.110	Neutral

● = First choice ○ = Good choice



Read more about CoroMill® 216:
sandvik.coromant.com/coromill216



CoroMill® 216

A metal remover for rough and semi-finish profiling

CoroMill® 216 is a robust ball nose end mill for roughing and semi-finishing of curved surfaces. The tools are easy to apply in machining centres, CNC milling machines, and copy-milling machines for die and mould, aerospace, automotive, and associated industries.

Application

- Profiling
- Copy milling
- Contour milling
- Roughing to semi-finishing



Features and benefits

- Inserts with two cutting edges
- Shank protection inserts on larger diameter cutters
- Flexible reach lengths with modular cutting heads in combination with a variety of shanks
- Maximum security and reliability
- High metal removal rate
- Easy to apply



Contour milling made easy

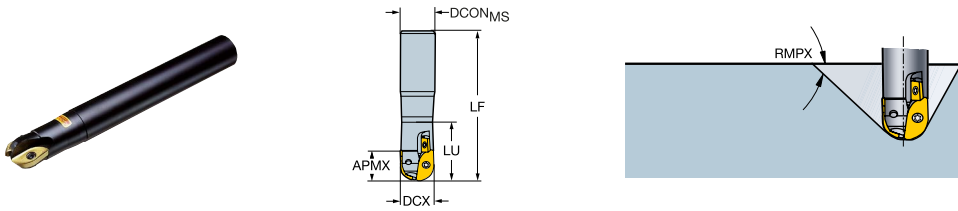
Designed for roughing and semi-finishing of curved surfaces, this tool combines high metal removal with secure, reliable performance. Ideal for demanding applications where stability and productivity go hand in hand.





CoroMill® 216, cutter for profile milling

Cylindrical shank - External coolant supply



Common data values

KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC	DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R216-10A16-050	10.00	5.0	8.6	85.00	5.0	0	16.00	9.2	19.8	160.00	22.10	0.6	15900
R216-12A20-045	12.00	6.0	10.8	85.00	6.0	0	20.00	10.8	20.0	200.00	22.00	0.9	21000
R216-16A20-045	16.00	8.0	14.4	85.00	8.0	1	20.00	14.7	27.0	200.00	29.60	1.2	20000
R216-20A25-055	20.00	10.0	17.9	85.00	10.0	1	25.00	18.4	33.0	200.00	36.50	2.0	24000
R216-25A32-065	25.00	12.5	22.3	85.00	12.5	1	32.00	23.2	40.0	250.00	43.40	3.0	24000
R216-30A32-070	30.00	15.0	26.9	85.00	15.0	1	32.00	26.8	55.0	250.00	60.40	5.0	19500
R216-32A32-070	32.00	16.0	28.6	85.00	16.0	1	32.00	29.0	50.0	250.00	70.00	5.0	18500

R = Right hand, L = Left hand

Common data values

KAPR
[deg]
90.0

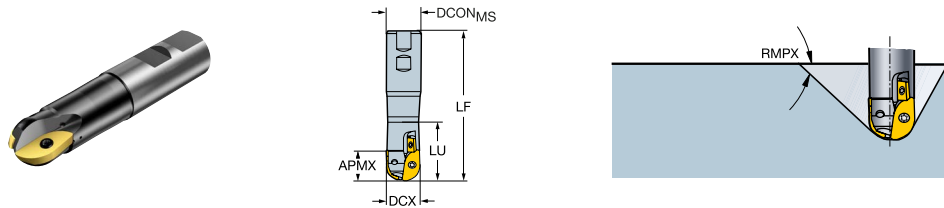
Imperial (inch)

Ordering code	DC [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
RA216-10016-038	0.375	0.188	0.310	85.00	0.188	0.625	0.343	0.625	6.000	0.717	0.4	13400
RA216-13016L-051	0.500	0.250	0.444	85.00	0.250	0.625	0.445	0.750	7.874	1.240	0.7	21000
RA216-16016L-043	0.625	0.311	0.551	85.00	0.311	0.625	0.575	1.689	9.000	1.689	0.9	20000
RA216-19019L-051	0.750	0.374	0.669	85.00	0.374	0.750	0.709	2.000	10.000	2.000	1.5	24000
RA216-25025L-067	1.000	0.500	0.906	85.00	0.500	1.000	0.929	2.618	12.000	2.618	2.2	24000
RA216-32032L-083	1.250	0.626	1.102	85.00	0.626	1.250	1.122	3.250	14.000	3.250	3.7	18500

R = Right hand, L = Left hand

CoroMill® 216, cutter for profile milling

Weldon shank - External coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

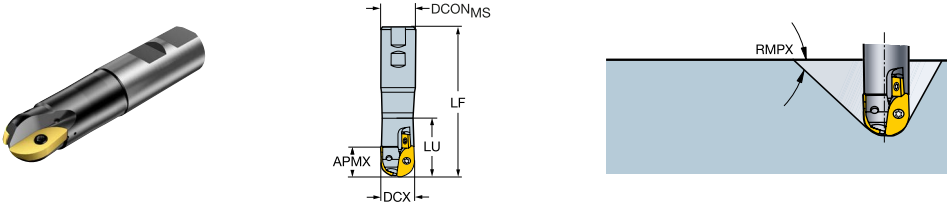
Ordering code	DC [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC	DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R216-12B20-040	12.00	6.0	10.8	85.00	6.0	0	20.00	10.8	20.0	91.00	21.20	0.9	21000
R216-12B20-060	12.00	6.0	10.8	85.00	6.0	0	20.00	10.8	20.0	111.00	24.00	0.9	21000
R216-16B20-040	16.00	8.0	14.4	85.00	8.0	1	20.00	14.7	27.0	91.00	28.20	1.2	20000
R216-16B20-060	16.00	8.0	14.4	85.00	8.0	1	20.00	14.7	27.0	111.00	33.80	1.2	20000
R216-20B25-050	20.00	10.0	17.9	85.00	10.0	1	25.00	18.4	33.0	107.00	35.20	2.0	24000
R216-20B25-070	20.00	10.0	17.9	85.00	10.0	1	25.00	18.4	33.0	127.00	40.60	2.0	24000
R216-20M25-076	20.00	10.0	17.9	85.00	10.0	1	25.40	18.4	31.8	134.14	40.70	2.0	24000
R216-25B25-060	25.00	12.5	22.3	85.00	12.5	1	25.00	23.2	40.0	117.00	60.00	3.0	24000
R216-25B25-080	25.00	12.5	22.3	85.00	12.5	1	25.00	23.2	70.0	137.00	80.00	3.0	24000
R216-25M25-089	25.00	12.5	22.3	85.00	12.5	1	25.40	24.4	76.2	146.84	88.90	3.0	24000
R216-30B32-070	30.00	15.0	26.9	85.00	15.0	1	32.00	26.8	55.0	131.00	60.40	5.0	19500
R216-30B32-100	30.00	15.0	26.9	85.00	15.0	1	32.00	26.8	85.0	161.00	90.40	5.0	19500
R216-32B32-070	32.00	16.0	28.6	85.00	16.0	1	32.00	29.0	50.0	131.00	70.00	5.0	18500
R216-32B32-100	32.00	16.0	28.6	85.00	16.0	1	32.00	29.0	82.0	161.00	100.00	5.0	18500
R216-40B40-100	40.00	20.0	36.5	85.00	20.0	1	40.00	37.0	69.2	171.00	100.00	7.5	8000
R216-40B40-150	40.00	20.0	36.5	85.00	20.0	1	40.00	37.0	69.2	221.00	150.00	7.5	8000
R216-50B40-100	50.00	25.0	44.6	85.00	25.0	1	40.00	47.0	70.0	171.00		10.0	7000
R216-50B50-125	50.00	25.0	44.6	85.00	25.0	1	50.00	46.4	95.0	206.00	125.00	10.0	7000
R216-50B50-175	50.00	25.0	44.6	85.00	25.0	1	50.00	46.4	93.0	256.00	175.00	10.0	7000

R = Right hand. L = Left hand



CoroMill® 216, cutter for profile milling

Weldon shank - External coolant supply



Common data values

KAPR
[deg]
90.0

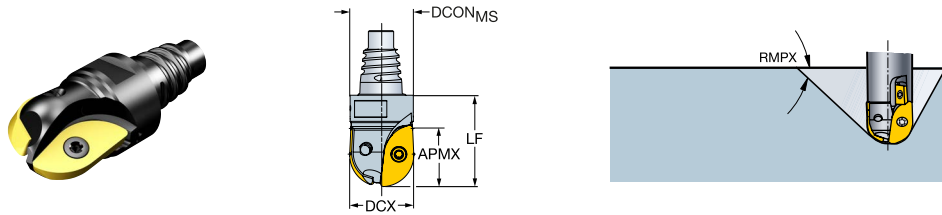
Imperial (inch)

Ordering code	DC [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC	DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
RA216-13M19-038	0.500	0.250	0.444	85.00	0.250	0	0.750	0.445	0.750	3.531	0.823	0.7	21000
RA216-13M19-057	0.500	0.250	0.444	85.00	0.250	0	0.750	0.445	0.750	4.281	0.972	0.7	21000
RA216-16M19-038	0.625	0.313	0.559	85.00	0.313	1	0.750	0.575	1.000	3.531	1.063	0.9	20000
RA216-16M19-057	0.625	0.313	0.559	85.00	0.313	1	0.750	0.575	1.000	4.281	1.315	0.9	20000
RA216-19M25-051	0.750	0.375	0.669	85.00	0.375	1	1.000	0.709	1.250	4.281	1.299	1.5	24000
RA216-19M25-076	0.750	0.375	0.669	85.00	0.375	1	1.000	0.709	1.250	5.281	1.461	1.5	24000
RA216-25M25-057	1.000	0.500	0.893	85.00	0.500	1	1.000	0.929	1.500	4.531	2.250	2.2	24000
RA216-25M25-089	1.000	0.500	0.893	85.00	0.500	1	1.000	0.929	3.000	5.781	3.500	2.2	24000
RA216-32M32-070	1.250	0.625	1.114	85.00	0.625	1	1.250	1.122	2.250	5.031	2.748	3.7	18500
RA216-32M32-101	1.250	0.625	1.114	85.00	0.625	1	1.250	1.122	3.250	6.281	4.000	3.7	18500
RA216-38M38-101	1.500	0.750	1.299	85.00	0.750	1	1.500	1.370	2.750	6.687	4.000	5.5	8000
RA216-38M38-152	1.500	0.750	1.299	85.00	0.750	1	1.500	1.370	2.750	8.687	6.000	5.5	8000
RA216-51M38-101	2.000	1.000	1.791	85.00	1.000	1	1.500	1.878	2.752	6.687		7.4	7000
RA216-51M51-127	2.000	1.000	1.791	85.00	1.000	1	2.000	1.835	3.500	8.250	5.000	7.4	7000

R = Right hand, L = Left hand

CoroMill® 216, cutter for profile milling

Coromant® EH - External coolant supply



Common data values

KAPR
[deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX _{FFW} [mm]	RMPX [deg]	CNSC	DCON _{MS} [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
R216-10EH10	10.00	8.6	85.00	0	9.70	20.00	0.6	12700
R216-12EH12	12.00	10.8	85.00	0	11.70	20.00	0.9	12700
R216-16EH16	16.00	14.4	85.00	1	15.50	25.00	1.2	12700
R216-20EH20	20.00	17.9	85.00	1	19.30	30.00	2.0	12700
R216-25EH25	25.00	22.3	85.00	1	24.20	35.00	3.0	12700
R216-30EH25	30.00	26.9	85.00	1	24.20	50.00	5.0	12700
R216-32EH25	32.00	28.6	85.00	1	24.20	50.00	5.0	12700

R = Right hand, L = Left hand

Common data values

KAPR
[deg]
90.0

Imperial (inch)

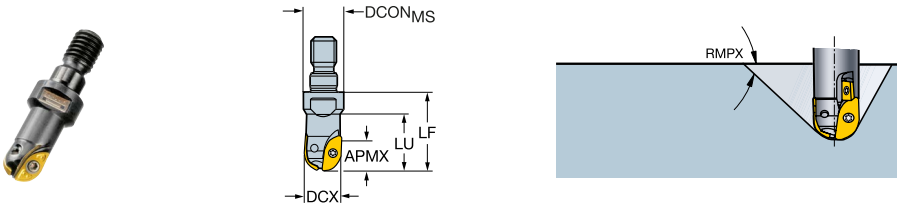
Ordering code	DC [inch]	APMX _{FFW} [inch]	RMPX [deg]	CNSC	DCON _{MS} [inch]	LF [inch]	TQ [ft]	RPMX [1/min]
RA216-10EH10	0.375	0.310	85.00	0	0.364	0.787	0.4	12700
RA216-13EH12	0.500	0.444	85.00	0	0.484	0.787	0.7	12700
RA216-16EH16	0.625	0.559	85.00	1	0.610	0.984	0.9	12700
RA216-19EH20	0.750	0.669	85.00	1	0.728	1.181	1.5	12700
RA216-25EH25	1.000	0.893	85.00	1	0.965	1.378	2.2	12700
RA216-32EH25	1.250	1.114	85.00	1	0.965	1.969	3.7	12700

R = Right hand, L = Left hand



CoroMill® 216, cutter for profile milling

Threaded coupling – External coolant supply



Common data values

KAPR [deg]
90.0

Metric (mm)

Ordering code	DC [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC	DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R216-10T08	10.00	5.0	8.6	85.00	5.0	0	12.80	9.2	18.0	25.00	17.80	0.6	12700
R216-12T08	12.00	6.0	10.8	85.00	6.0	0	12.80	10.8	18.0	25.00	18.30	0.9	12700
R216-16T08	16.00	8.0	14.4	85.00	8.0	0	12.80	14.7	20.9	25.00		1.2	12700
R216-20T10	20.00	10.0	17.9	85.00	10.0	1	17.80	18.4	25.0	30.00		2.0	12700
R216-25T12	25.00	12.5	22.3	85.00	12.5	1	20.80	23.2	30.8	35.00		3.0	12700
R216-30T16	30.00	15.0	26.9	85.00	15.0	1	28.80	26.8	36.5	45.00		5.0	12700
R216-32T16	32.00	16.0	28.6	85.00	16.0	1	28.80	29.0	39.0	45.00		5.0	12700

R = Right hand, L = Left hand

Common data values

KAPR [deg]
90.0

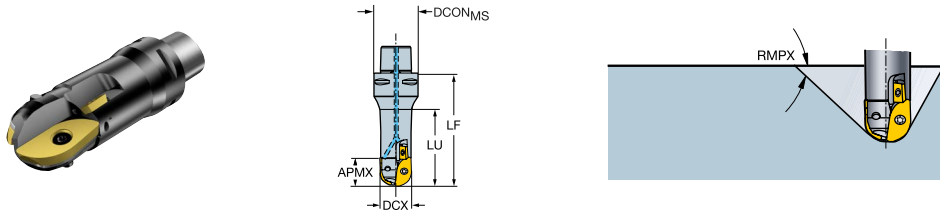
Imperial (inch)

Ordering code	DC [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC	DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
RA216-13T08	0.500	0.250	0.444	85.00	0.250	0	0.504	0.445	0.630	0.906	0.646	0.7	12700
RA216-19T10	0.750	0.375	0.669	85.00	0.375	1	0.701	0.709	0.906	1.181		1.5	12700

R = Right hand, L = Left hand

CoroMill® 216, cutter for profile milling

Coromant Capto® - Internal coolant supply



Common data values

KAPR
[deg]

90.0

Metric (mm)

Ordering code	DC [mm]	APMX _{EFW} [mm]	APMX _{FFW} [mm]	RMPX [deg]	AZ [mm]	CNSC	DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	LU [mm]	TQ [Nm]	RPMX [1/min]
R216-30C3-070	30.00	15.0	28.3	85.00	15.0	3	32.00	26.8	45.4	70.00	50.60	5.0	18500
R216-32C3-070	32.00	16.0	28.6	85.00	16.0	3	32.00	29.0	50.0	70.00		5.0	18500
R216-40C4-080	40.00	20.0	31.6	85.00	20.0	3	40.00	37.0	58.0	80.00		7.5	8000
R216-50C5-125	50.00	25.0	44.6	85.00	25.0	3	50.00	46.4	95.0	125.00		10.0	7000

R = Right hand, L = Left hand

Common data values

KAPR
[deg]

90.0

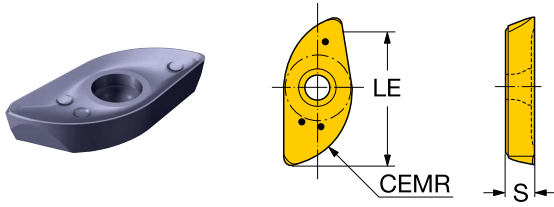
Imperial (inch)

Ordering code	DC [inch]	APMX _{EFW} [inch]	APMX _{FFW} [inch]	RMPX [deg]	AZ [inch]	CNSC	DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	LU [inch]	TQ [ft]	RPMX [1/min]
RA216-32C3-070	1.250	0.625	1.114	85.00	0.625	3	1.260	1.122	1.969	2.756	2.126	3.7	18500
RA216-38C4-080	1.500	0.750	1.299	85.00	0.750	3	1.575	1.370	2.283	3.150	2.311	5.5	8000
RA216-51C5-125	2.000	1.000	1.791	85.00	1.000	3	1.969	1.835	3.740	4.921		7.4	7000

R = Right hand, L = Left hand



CoroMill® 216, insert for profile milling

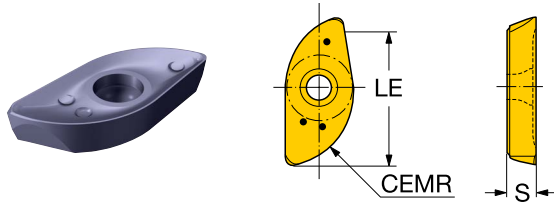


Metric (mm)

		P					S			H		K			M			N									
Ordering code		4340	4220	1010	1230	2040	S30T	H13A	1230	2040	4220	1010	4340	4220	H13A	1010	S30T	4340	1230	2040	H13A	SSC	S [mm]	CEMR [mm]	LE [mm]	HAND	
Medium	E-M	R216-10 02 E-M			○	●	○			○	●		●				○			○	●		10	1.70	4.90	8.6	Right
		R216-12 02 E-M				●	○	●		○	○							○		○	●		12	2.38	5.87	10.8	Right
		R216-16 03 E-M				●	○	●		○	○							○		○	●		16	3.17	7.84	14.4	Right
		R216-20 T3 E-M				●	○	●		○	○							○		○	●		20	3.97	9.81	17.9	Right
		R216-25 04 E-M				●	○			○	●									○	●		25	4.76	12.27	22.3	Right
		R216-30 06 E-M				●		●		○								○		○			30	6.35	14.73	26.9	Right
		R216-32 06 E-M				●	○			○	●									○	●		32	6.35	15.72	28.6	Right
		R216-40 07 E-M				●		●		○								○		○			40	7.94	19.66	36.5	Right
	R216-50 07 E-M				●				○										○			50	7.94	24.58	44.6	Right	
	M-M	R216-12 02 M-M	○			○	●			○				●	○			○		○	○		12	2.38	6.00	10.8	Right
		R216-16 03 M-M	○	○	○	○	●	○		○	○	○	●	○	○	○	○		○	○	○	●	16	3.17	8.00	14.4	Right
		R216-20 T3 M-M	○	○	○	○	●	○		○	○	●	○	○	○	○	○		○	○	○	●	20	3.97	10.00	17.9	Right
		R216-25 04 M-M	○	○	○	○	●	○		○	●	○	●	○	○		○		○	○	○	●	25	4.76	12.50	22.3	Right
		R216-30 06 M-M	○	○	○	○	●			○		○	●	○	○	○	○		○	○			30	6.35	15.00	26.9	Right
R216-32 06 M-M		○	○	○	○	●	○		○	●	○	●	○	○		○		○	○	○	●	32	6.35	16.00	28.6	Right	
R216-40 07 M-M		○			○	●			○				○					○	○			40	7.94	20.00	36.5	Right	
R216-50 07 M-M		○			○	●			○				○					○	○			50	7.94	25.00	44.6	Right	

● = First choice ○ = Good choice

CoroMill® 216, insert for profile milling



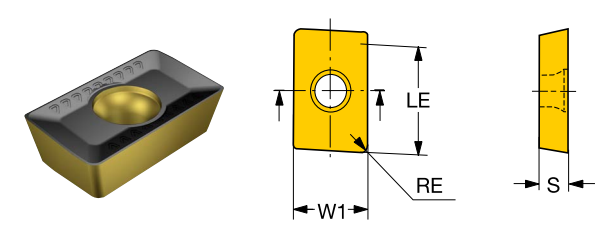
Imperial (inch)

		P				S			H	K			M			N									
		Ordering code				4340	1230	1010	2040	H13A	1230	2040	1010	4340	H13A	1010	4340	1230	2040	H13A	SSC	S [inch]	CEMR [inch]	LE [inch]	HAND
Medium	E-M	RA216-10 02 E-M	●				○										○				3/8	0.067	0.183	0.310	Right
		RA216-13 02 E-M	●				○										○				1/2	0.094	0.244	0.444	Right
		RA216-16 03 E-M	●				○										○				5/8	0.125	0.306	0.559	Right
		RA216-19 T3 E-M	●				○										○				3/4	0.156	0.368	0.669	Right
		RA216-25 04 E-M	●				○										○				1	0.188	0.491	0.893	Right
		RA216-32 06 E-M	●				○										○				1 1/4	0.250	0.614	1.114	Right
	M-M	RA216-13 02 M-M	○	●	○		○	○		●	○	○	○	○	○	○	○	○		●	1/2	0.094	0.250	0.444	Right
		RA216-16 03 M-M	○	●	○		○		●	○		○	○	○	○	○	○	○			5/8	0.125	0.313	0.559	Right
		RA216-19 T3 M-M	○	●		○	○	●		○			○	○	○	○	○	○	●	3/4	0.156	0.375	0.669	Right	
		RA216-25 04 M-M	○	●	○		○		●	○		○	○	○	○	○	○	○			1	0.188	0.500	0.893	Right
		RA216-32 06 M-M		●	○		○		●			○		○		○	○	○			1 1/4	0.250	0.625	1.114	Right
		RA216-38 07 M-M		●			○									○					1 1/2	0.313	0.750	1.299	Right
		RA216-51 07 M-M		●			○									○					2	0.313	1.000	1.791	Right

● = First choice ○ = Good choice



CoroMill® 216, insert for profile milling

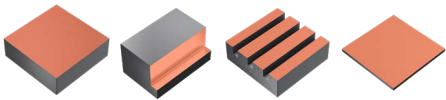
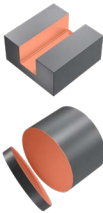
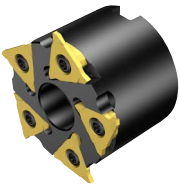
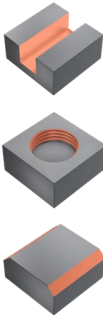


Metric (mm)

		P K M									
		4340	4340	4340	SSC	S [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	HAND
Medium WHX	APMT 16 04 08-M	●	○	○	16	4.76	0.8	9.5	16.0	16.0	Neutral

● = First choice ○ = Good choice

Groove milling

Tool	Material	Main applications	Secondary applications
CoroMill® 331 	P M K N S H		
CoroMill® QD 	P M K N S H		
CoroMill® 327 	P M S H		
CoroMill® 328 	P M K S		



Read more about CoroMill® 331:
sandvik.coromant.com/coromill331



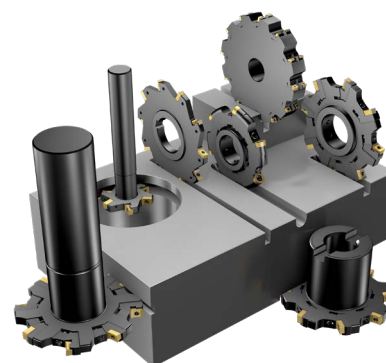
CoroMill® 331

Multi-purpose side and face milling cutter

CoroMill® 331 is a highly productive choice for reliable, multi-purpose side and face milling with high precision.

Application

- Grooving
- Parting off
- Double half side milling
- Shoulder milling
- Face milling
- Back face milling
- Gang milling
- Circular interpolation



Features and benefits

- Wide assortment of diameters, widths and mountings
- High-precision setting for excellent groove quality
- Wide setting range enables flexible machining for a broad application area
- Spring-loaded cassette with serrations for accuracy and stability



High-precision versatility

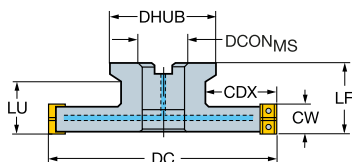
This multi-purpose cutter delivers reliable, high-precision performance in side, face and groove milling. With a wide range of sizes and flexible settings, the design supports productivity across a broad application area.





CoroMill® 331, adjustable disc cutter for full side and face milling

Arbor shank - Internal coolant supply



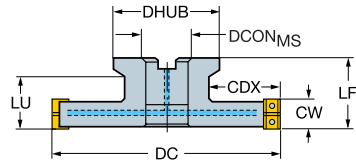
Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	DHUB [mm]	LF [mm]	LU [mm]	CDX [mm]	CW [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R331.32C-080Q27CM	80.00	1	27.00	51.00	50.00	26.00	20.0	6.00	0.8	19300	A
R331.32C-080Q27DM	80.00	1	27.00	51.00	50.00	26.00	20.0	8.00	1.2	15000	A
R331.32C-080Q27EM	80.00	1	27.00	51.00	50.00	26.00	20.0	10.00	1.2	18100	A
R331.32C-080Q27FM	80.00	1	27.00	51.00	50.00	26.00	20.0	12.00	1.2	18100	A
R331.32C-100Q27CM	100.00	1	27.00	51.00	50.00	26.00	22.0	6.00	0.8	17100	A
R331.32C-100Q27DM	100.00	1	27.00	51.00	50.00	26.00	22.0	8.00	1.2	13200	A
R331.32C-100Q27EM	100.00	1	27.00	51.00	50.00	26.00	22.0	10.00	1.2	15900	A
R331.32C-100Q27FM	100.00	1	27.00	51.00	50.00		22.0	12.00	1.2	15900	A
R331.32C-100Q27KM	100.00	1	27.00	51.00	50.00	26.00	25.5	15.00	3.0	14000	A
R331.32C-125Q32CM	125.00	1	32.00	61.00	50.00	26.00	29.5	6.00	0.8	15100	B
R331.32C-125Q32DM	125.00	1	32.00	61.00	50.00	26.00	29.5	8.00	1.2	11700	B
R331.32C-125Q32EM	125.00	1	32.00	61.00	50.00	26.00	29.5	10.00	1.2	14100	B
R331.32C-125Q32FM	125.00	1	32.00	61.00	50.00	26.00	29.5	12.00	1.2	14100	B
R331.32C-125Q32KM	125.00	1	32.00	61.00	50.00	26.00	29.5	15.00	3.0	12400	B
R331.32C-125Q32LM	125.00	1	32.00	61.00	50.00	26.00	29.5	17.50	3.0	12400	B
R331.32C-160Q40CM	160.00	1	40.00	73.00	50.00	26.00	41.0	6.00	0.8	13200	B
R331.32C-160Q40DM	160.00	1	40.00	73.00	50.00	26.00	41.0	7.90	1.2	10200	B
R331.32C-160Q40EM	160.00	1	40.00	73.00	50.00	26.00	41.0	10.00	1.2	12400	B
R331.32C-160Q40FM	160.00	1	40.00	73.00	50.00	26.00	41.0	12.00	1.2	12400	B
R331.32C-160Q40KM	160.00	1	40.00	73.00	50.00	26.00	41.0	15.00	3.0	10800	B
R331.32C-160Q40LM	160.00	1	40.00	73.00	50.00	26.00	41.0	17.50	3.0	10800	B
R331.32C-160Q40QM	160.00	1	40.00	73.00	50.00	26.00	41.0	20.50	3.0	9000	B
R331.32C-160Q40RM	160.00	1	40.00	73.00	50.00	26.00	41.0	23.50	3.0	9000	B

R = Right hand, L = Left hand

CoroMill® 331, adjustable disc cutter for full side and face milling

Arbor shank - Internal coolant supply



Imperial (inch)

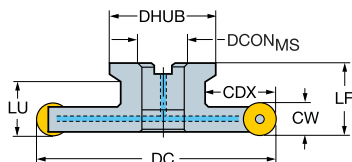
Ordering code	DC [inch]	CNSC	DCON _{MS} [inch]	DHUB [inch]	LF [inch]	LU [inch]	CDX [inch]	CW [inch]	TQ [ft]	RPMX [1/min]	STDLET
R331.32C-080R25CM	3.150	1	1.000	2.008	2.000	1.024	0.787	0.236	0.6	19300	A
R331.32C-080R25DM	3.150	1	1.000	2.008	2.000	1.024	0.787	0.315	0.9	15000	A
R331.32C-080R25EM	3.150	1	1.000	2.008	2.000	1.024	0.787	0.394	0.9	18100	A
R331.32C-080R25FM	3.150	1	1.000	2.008	2.000	1.024	0.787	0.472	0.9	18100	A
R331.32C-101R25CM	4.000	1	1.000	2.008	2.000	1.024	0.866	0.236	0.6	17100	A
R331.32C-101R25DM	4.000	1	1.000	2.008	2.000	1.024	0.866	0.315	0.9	13200	A
R331.32C-101R25EM	4.000	1	1.000	2.008	2.000	1.024	0.866	0.394		15900	A
R331.32C-101R25FM	4.000	1	1.000	2.008	2.000	1.024	0.866	0.472	0.9	15900	A
R331.32C-101R25KM	4.000	1	1.000	2.008	2.000	1.024	1.024	0.591	2.2	14000	A
R331.32C-127R32CM	5.000	1	1.250	2.402	2.000	1.024	1.201	0.236	0.6	15100	B
R331.32C-127R32DM	5.000	1	1.250	2.402	2.000	1.024	1.201	0.315	0.9	11700	B
R331.32C-127R32EM	5.000	1	1.250	2.402	2.000	1.024	1.201	0.394	0.9	14100	B
R331.32C-127R32FM	5.000	1	1.250	2.402	2.000	1.024	1.201	0.472	0.9	14100	B
R331.32C-127R32KM	5.000	1	1.250	2.402	2.000	1.024	1.201	0.591	2.2	12400	B
R331.32C-127R32LM	5.000	1	1.250	2.520	2.000	1.024	1.201	0.689	2.2	12400	B
R331.32C-152R38CM	6.000	1	1.500	2.874	2.000	1.024	1.465	0.236	0.6	13200	B
R331.32C-152R38DM	6.000	1	1.500	2.874	2.000	1.024	1.465	0.315	0.9	10200	B
R331.32C-152R38EM	6.000	1	1.500	2.874	2.000	1.024	1.465	0.394	0.9	12400	B
R331.32C-152R38FM	6.000	1	1.500	2.874	2.000	1.024	1.465	0.472	0.9	12400	B
R331.32C-152R38KM	6.000	1	1.500	2.874	2.000	1.024	1.465	0.591	2.2	10800	B
R331.32C-152R38LM	6.000	1	1.500	2.874	2.000	1.024	1.465	0.689	2.2	10800	B
R331.32C-152R38QM	6.000	1	1.500	2.874	2.000	1.024	1.465	0.807	2.2	9000	B
R331.32C-152R38RM	6.000	1	1.500	2.874	2.000	1.024	1.465	0.925	2.2	9000	B

R = Right hand, L = Left hand



CoroMill® 331, adjustable disc cutter for full side and face milling

Arbor shank - Internal coolant supply



Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	DHUB [mm]	LF [mm]	LU [mm]	CDX [mm]	CW [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R331.32C-082Q27EMQ	82.00	1	27.00	51.00	50.00	26.00	21.6	10.00	1.2	19500	A
R331.32C-082Q27FMQ	82.00	1	27.00	51.00	50.00	26.00	21.0	12.00	3.0	18100	A
R331.32C-102Q27EMQ	102.00	1	27.00	51.00	50.00	26.00	23.0	10.00	3.0	15900	A
R331.32C-102Q27FMQ	102.00	1	27.00	51.00	50.00	26.00	23.0	12.00	3.0	15900	A
R331.32C-102Q27KMQ	102.00	1	27.00	51.00	50.00	26.00	26.5	16.00	5.0	14000	A
R331.32C-127Q32EMQ	127.00	1	32.00	61.00	50.00	26.00	30.5	10.00	3.0	14100	B
R331.32C-127Q32FMQ	127.00	1	32.00	61.00	50.00	26.00	30.5	12.00	3.0	14100	B
R331.32C-127Q32KMQ	127.00	1	32.00	61.00	50.00	26.00	30.5	16.00	5.0	12400	B
R331.32C-162Q40EMQ	162.00	1	40.00	73.00	50.00	26.00	42.0	10.00	3.0	12400	B
R331.32C-162Q40FMQ	162.00	1	40.00	73.00	50.00	26.00	42.0	12.00	3.0	12400	B
R331.32C-162Q40KMQ	162.00	1	40.00	73.00	50.00	26.00	42.0	16.00	5.0	10800	B

R = Right hand, L = Left hand

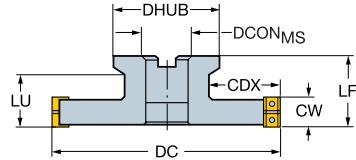
Imperial (inch)

Ordering code	DC [inch]	CNSC	DCON _{MS} [inch]	DHUB [inch]	LF [inch]	LU [inch]	CDX [inch]	CW [inch]	TQ [ft]	RPMX [1/min]	STDLET
R331.32C-082R25EMQ	3.228	1	1.000	2.008	2.000	1.024	0.827	0.375	2.2	18100	A
R331.32C-082R25FMQ	3.228	1	1.000	2.008	2.000	1.024	0.827	0.500	2.2	18100	A
R331.32C-103R25EMQ	4.079	1	1.000	2.008	2.000	1.024	0.925	0.375	2.2	15900	A
R331.32C-103R25FMQ	4.079	1	1.000	2.008	2.000	1.024	0.925	0.500	2.2	15900	A
R331.32C-103R25KMQ	4.081	1	1.000	2.008	2.000	1.024	1.051	0.630	3.7	14000	A
R331.32C-129R32EMQ	5.079	1	1.250	2.402	2.000	1.024	1.200	0.375	2.2	14100	B
R331.32C-129R32FMQ	5.079	1	1.250	2.402	2.000	1.024	1.200	0.500	2.2	14100	B
R331.32C-129R32KMQ	5.079	1	1.250	2.402	2.000	1.024	1.200	0.630	3.7	12400	B
R331.32C-154R38EMQ	6.079	1	1.500	2.874	2.000	1.024	1.504	0.375	2.2	12400	B
R331.32C-154R38FMQ	6.079	1	1.500	2.874	2.000	1.024	1.504	0.500	2.2	12400	B
R331.32C-154R38KMQ	6.079	1	1.500	2.874	2.000	1.024	1.504	0.630	3.7	10800	B

R = Right hand, L = Left hand

CoroMill® 331, adjustable disc cutter for full side and face milling

Arbor shank - External coolant supply



Metric (mm)

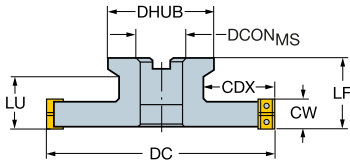
Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	LF [mm]	CDX [mm]	CW [mm]	TQ [Nm]	RPMX [1/min]	STDLET	DBC [mm]
R331.32-200Q40CM06.00	200.00	40.00	96.00	63.00	51.0	6.00	0.8	11700	C	66.7
R331.32-200Q40DM08.00	200.00	40.00	96.00	63.10	51.0	8.00	1.2	9100	C	66.7
R331.32-200Q40EM10.00	200.00	40.00	96.00	63.00	51.0	10.00	1.2	11000	C	66.7
R331.32-200Q40FM12.00	200.00	40.00	96.00	63.00	51.0	12.00	1.2	11000	C	66.7
R331.32-200Q40KM15.00	200.00	40.00	96.00	63.00	51.0	15.00	3.0	9600	C	66.7
R331.32-200Q40LM17.50	200.00	40.00	96.00	63.00	51.0	17.50	3.0	9600	C	66.7
R331.32-200Q40QM20.50	200.00	40.00	96.00	63.00	51.0	20.50	3.0	8000	C	66.7
R331.32-200Q40RM23.50	200.00	40.00	96.00	63.00	51.0	23.50	3.0	8000	C	66.7
R331.32-250Q60KM15.00	250.00	60.00	136.00	63.00	56.0	15.00	3.0	8500	C	101.6
R331.32-250Q60LM17.50	250.00	60.00	136.00	63.00	56.0	17.50	3.0	8500	C	101.6
R331.32-250Q60QM20.50	250.00	60.00	136.00	63.00	56.0	20.50	3.0	7100	C	101.6
R331.32-250Q60RM23.50	250.00	60.00	136.00	63.00	56.0	23.50	3.0	7100	C	101.6
R331.32-315Q60KM15.00	315.00	60.00	136.00	63.00	88.5	15.00	3.0	7600	C	101.6
R331.32-315Q60LM17.50	315.00	60.00	136.00	63.00	88.5	17.50	3.0	7600	C	101.6
R331.32-315Q60QM20.50	315.00	60.00	136.00	63.00	88.5	20.50	3.0	6300	C	101.6
R331.32-315Q60RM23.50	315.00	60.00	136.00	63.00	88.5	23.50	3.0	6300	C	101.6

R = Right hand, L = Left hand



CoroMill® 331, adjustable disc cutter for full side and face milling

Arbor shank - External coolant supply



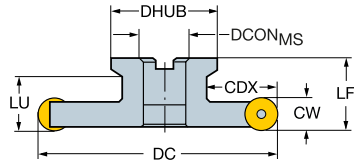
Imperial (inch)

Ordering code	DC [inch]	DCON _{MS} [inch]	DHUB [inch]	LF [inch]	CDX [inch]	CW [inch]	TQ [ft]	RPMX [1/min]	STDLET	DBC [inch]
R331.32-203R38CM0.236	8.000	1.500	3.780	2.480	2.071	0.236	0.6	11700	B	
R331.32-203R38DM0.315	8.000	1.500	3.780	2.482	2.071	0.315	0.9	9100	B	
R331.32-203R38EM0.394	8.000	1.500	3.780	2.480	2.071	0.394	0.9	11000	B	
R331.32-203R38FM0.472	8.000	1.500	3.780	2.480	2.071	0.472	0.9	11000	B	
R331.32-203R38KM0.591	8.000	1.500	3.780	2.480	2.071	0.591	2.2	9600	B	
R331.32-203R38LM0.689	8.000	1.500	3.780	2.480	2.071	0.689	2.2	9600	B	
R331.32-203R38QM0.807	8.000	1.500	3.780	2.480	2.071	0.807	2.2	8000	B	
R331.32-203R38RM0.925	8.000	1.500	3.780	2.480	2.071	0.925	2.2	8000	B	
R331.32-254R63LM0.689	10.000	2.500	5.354	2.480	2.283	0.689	2.2	8500	C	4.00
R331.32-305R63KM0.591	12.000	2.500	5.354	2.480	3.283	0.591	2.2	7600	C	4.00
R331.32-305R63RM0.925	12.000	2.500	5.354	2.480	3.283	0.925	2.2	6300	C	4.00

R = Right hand. L = Left hand

CoroMill® 331, adjustable disc cutter for full side and face milling

Arbor shank - External coolant supply



Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	LF [mm]	CDX [mm]	CW [mm]	TQ [Nm]	RPMX [1/min]	STDLET	DBC [mm]
R331.32-202Q40EMQ	202.00	40.00	96.00	63.00	52.0	10.00	3.0	11000	C	66.7
R331.32-202Q40FMQ	202.00	40.00	96.00	63.00	52.0	12.00	3.0	11000	C	66.7
R331.32-202Q40KMQ	202.00	40.00	96.00	63.50	52.0	16.00	5.0	9600	C	66.7

R = Right hand, L = Left hand

Imperial (inch)

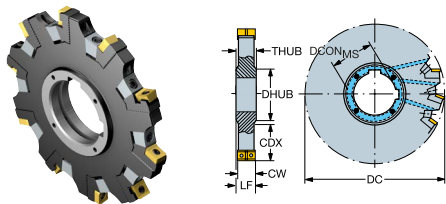
Ordering code	DC [inch]	DCON _{MS} [inch]	DHUB [inch]	LF [inch]	CDX [inch]	CW [inch]	TQ [ft]	RPMX [1/min]	STDLET
R331.32-205R38EMQ	8.079	1.500	3.780	2.462	2.106	0.394	2.2	11000	B
R331.32-205R38FMQ	8.079	1.500	3.780	2.508	2.106	0.500	2.2	11000	B
R331.32-205R38KMQ	8.079	1.500	3.780	2.520	2.106	0.630	3.7	9600	B

R = Right hand, L = Left hand



CoroMill® 331, adjustable cutter for full side and face milling

Bore with keyway - Internal coolant supply



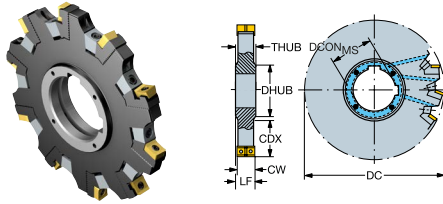
Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	DHUB [mm]	LF [mm]	CDX [mm]	CW [mm]	THUB [mm]	TQ [Nm]	RPMX [1/min]
N331.32C-080S27CM	80.00	1	27.00	39.00	10.00	19.5	6.00	14.00	0.8	19300
N331.32C-080S27DM	80.00	1	27.00	39.00	12.00	19.5	8.00	16.00	1.2	15000
N331.32C-080S27EM	80.00	1	27.00	39.00	13.00	19.5	10.00	16.00	1.2	18100
N331.32C-080S27FM	80.00	1	27.00	39.00	14.00	19.5	12.00	16.00	1.2	18100
N331.32C-100S32CM	100.00	1	32.00	47.00	10.00	25.5	6.00	14.00	0.8	17100
N331.32C-100S32DM	100.00	1	32.00	47.00	12.00	25.5	8.00	16.00	1.2	13200
N331.32C-100S32EM	100.00	1	32.00	47.00	13.00	25.5	10.00	16.00	1.2	15900
N331.32C-100S32FM	100.00	1	32.00	47.00	14.00	25.5	12.00	16.00	1.2	15900
N331.32C-100S32KM	100.00	1	32.00	47.00	16.75	25.5	15.00	18.50	3.0	14000
N331.32C-125S40CM	125.00	1	40.00	55.00	10.00	34.0	6.00	14.00	0.8	15100
N331.32C-125S40DM	125.00	1	40.00	55.00	12.00	34.0	8.00	16.00	1.2	11700
N331.32C-125S40EM	125.00	1	40.00	55.00	13.00	34.0	10.00	16.00	1.2	14100
N331.32C-125S40FM	125.00	1	40.00	55.00	14.00	34.0	12.00	16.00	1.2	14100
N331.32C-125S40KM	125.00	1	40.00	55.00	16.75	34.0	15.00	18.50	3.0	12400
N331.32C-125S40LM	125.00	1	40.00	55.00	19.50	34.0	17.50	21.50	3.0	12400
N331.32C-160S40CM	160.00	1	40.00	55.00	10.00	51.5	6.00	14.00	0.8	13200
N331.32C-160S40DM	160.00	1	40.00	55.00	12.00	51.5	8.00	16.00	1.2	10200
N331.32C-160S40EM	160.00	1	40.00	55.00	13.00	51.5	10.00	16.00	1.2	12400
N331.32C-160S40FM	160.00	1	40.00	55.00	14.00	51.5	12.00	16.00	1.2	12400
N331.32C-160S40KM	160.00	1	40.00	55.00	16.75	51.5	15.00	18.50	3.0	10800
N331.32C-160S40LM	160.00	1	40.00	55.00	19.50	51.5	17.50	21.50	3.0	10800
N331.32C-160S40QM	160.00	1	40.00	55.00	22.50	51.5	20.50	24.50	3.0	9000
N331.32C-160S40RM	160.00	1	40.00	55.00	25.50	51.5	23.50	27.50	3.0	9000

R = Right hand, L = Left hand

CoroMill® 331, adjustable cutter for full side and face milling

Bore with keyway - Internal coolant supply



Imperial (inch)

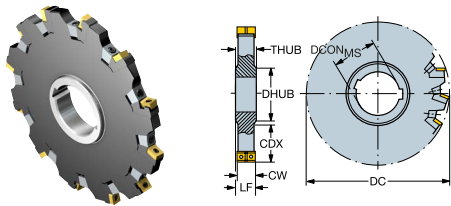
Ordering code	DC [inch]	CNSC	DCON _{MS} [inch]	DHUB [inch]	LF [inch]	CDX [inch]	CW [inch]	THUB [inch]	TQ [ft]	RPMX [1/min]
N331.32C-080T25CM	3.150	1	1.000	1.535	0.394	0.768	0.236	0.551	0.6	19300
N331.32C-080T25DM	3.150	1	1.000	1.535	0.472	0.768	0.315	0.630	0.9	15000
N331.32C-080T25EM	3.150	1	1.000	1.535	0.512	0.768	0.394	0.630	0.9	18100
N331.32C-080T25FM	3.150	1	1.000	1.535	0.551	0.768	0.472	0.630	0.9	18100
N331.32C-101T32CM	4.000	1	1.250	1.811	0.394	1.043	0.236	0.551	0.6	17100
N331.32C-101T32DM	4.000	1	1.250	1.811	0.472	1.043	0.315	0.630	0.9	13200
N331.32C-101T32EM	4.000	1	1.250	1.811	0.512	1.043	0.394	0.630	0.9	15900
N331.32C-101T32FM	4.000	1	1.250	1.811	0.551	1.043	0.472	0.630	0.9	15900
N331.32C-101T32KM	4.000	1	1.250	1.811	0.660	1.043	0.591	0.728	2.2	14000
N331.32C-127T38CM	5.000	1	1.500	2.047	0.394	1.437	0.236	0.551	0.6	15100
N331.32C-127T38DM	5.000	1	1.500	2.047	0.472	1.437	0.315	0.630	0.9	11700
N331.32C-127T38EM	5.000	1	1.500	2.047	0.512	1.437	0.394	0.630	0.9	14100
N331.32C-127T38FM	5.000	1	1.500	2.047	0.551	1.437	0.472	0.630	0.9	14100
N331.32C-127T38KM	5.000	1	1.500	2.047	0.660	1.437	0.591	0.728	2.2	12400
N331.32C-127T38LM	5.000	1	1.500	2.047	0.768	1.437	0.689	0.847	2.2	12400
N331.32C-152T38CM	6.000	1	1.500	2.047	0.394	1.929	0.236	0.551	0.6	13200
N331.32C-152T38DM	6.000	1	1.500	2.047	0.472	1.929	0.315	0.630	0.9	10200
N331.32C-152T38EM	6.000	1	1.500	2.047	0.512	1.929	0.394	0.630	0.9	12400
N331.32C-152T38FM	6.000	1	1.500	2.047	0.551	1.929	0.472	0.630	0.9	12400
N331.32C-152T38KM	6.000	1	1.500	2.047	0.660	1.929	0.591	0.728	2.2	10800
N331.32C-152T38LM	6.000	1	1.500	2.047	0.768	1.929	0.689	0.847	2.2	10800
N331.32C-152T38QM	6.000	1	1.500	2.047	0.886	1.929	0.807	0.965	2.2	9200
N331.32C-152T38RM	6.000	1	1.500	2.047	1.004	1.929	0.925	1.083	2.2	9200

R = Right hand, L = Left hand



CoroMill® 331, adjustable cutter for full side and face milling

Bore with keyway - External coolant supply



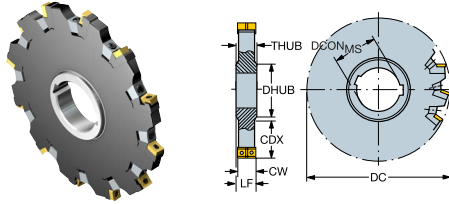
Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	LF [mm]	CDX [mm]	CW [mm]	THUB [mm]	TQ [Nm]	RPMX [1/min]
N331.32-200S50CM06.00	200.00	50.00	69.00	10.00	64.5	6.00	14.00	0.8	11700
N331.32-200S50DM08.00	200.00	50.00	69.00	12.00	64.5	8.00	16.00	1.2	9100
N331.32-200S50EM10.00	200.00	50.00	69.00	13.00	64.5	10.00	16.00	1.2	11000
N331.32-200S50FM12.00	200.00	50.00	69.00	14.00	64.5	12.00	16.00	1.2	11000
N331.32-200S50KM15.00	200.00	50.00	69.00	16.75	64.5	15.00	18.50	3.0	9600
N331.32-200S50LM17.50	200.00	50.00	69.00	19.50	64.5	17.50	21.50	3.0	9600
N331.32-200S50QM20.50	200.00	50.00	69.00	22.50	64.5	20.50	24.50	3.0	8000
N331.32-200S50RM23.50	200.00	50.00	69.00	25.50	64.5	23.50	27.50	3.0	8000
N331.32-250S50KM15.00	250.00	50.00	69.00	16.75	89.5	15.00	18.50	3.0	8500
N331.32-250S50LM17.50	250.00	50.00	69.00	19.50	89.5	17.50	21.50	3.0	8500
N331.32-250S50QM20.50	250.00	50.00	69.00	22.50	89.5	20.50	24.50	3.0	7100
N331.32-250S50RM23.50	250.00	50.00	69.00	25.50	89.5	23.50	27.50	3.0	7100
N331.32-315S60KM15.00	315.00	60.00	84.00	16.75	114.5	15.00	18.50	3.0	7600
N331.32-315S60LM17.50	315.00	60.00	84.00	19.50	114.5	17.50	21.50	3.0	7600
N331.32-315S60QM20.50	315.00	60.00	84.00	22.50	114.5	20.50	24.50	3.0	6300
N331.32-315S60RM23.50	315.00	60.00	84.00	25.50	114.5	23.50	27.50	3.0	6300

R = Right hand, L = Left hand

CoroMill® 331, adjustable cutter for full side and face milling

Bore with keyway - External coolant supply



Imperial (inch)

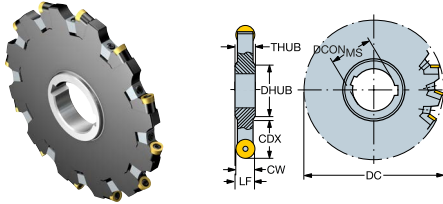
Ordering code	DC [inch]	DCON _{MS} [inch]	DHUB [inch]	LF [inch]	CDX [inch]	CW [inch]	THUB [inch]	TQ [ft]	RPMX [1/min]
N331.32-203T51CM0.236	8.000	2.000	2.677	0.394	2.618	0.236	0.551	0.6	11700
N331.32-203T51DM0.315	8.000	2.000	2.677	0.472	2.618	0.315	0.630	0.9	9100
N331.32-203T51EM0.394	8.000	2.000	2.677	0.512	2.618	0.394	0.630	0.9	11000
N331.32-203T51FM0.472	8.000	2.000	2.677	0.551	2.618	0.472	0.630	0.9	11000
N331.32-203T51KM0.591	8.000	2.000	2.677	0.660	2.618	0.591	0.728	2.2	9600
N331.32-203T51LM0.689	8.000	2.000	2.677	0.768	2.618	0.689	0.847	2.2	9600
N331.32-203T51QM0.807	8.000	2.000	2.677	0.886	2.618	0.807	0.965	2.2	8000
N331.32-203T51RM0.925	8.000	2.000	2.677	1.004	2.618	0.925	1.083	2.2	8000
N331.32-254T51KM0.591	10.000	2.000	2.677	0.660	3.622	0.591	0.728	2.2	8500
N331.32-254T51LM0.689	10.000	2.000	2.677	0.768	3.622	0.689	0.847	2.2	8500
N331.32-254T51QM0.807	10.000	2.000	2.677	0.886	3.622	0.807	0.965	2.2	7100
N331.32-254T51RM0.925	10.000	2.000	2.677	1.004	3.622	0.925	1.083	2.2	8000
N331.32-305T63KM0.591	12.000	2.500	3.307	0.660	4.311	0.591	0.728	2.2	7600
N331.32-305T63LM0.689	12.000	2.500	3.307	0.768	4.311	0.689	0.847	2.2	7600
N331.32-305T63QM0.807	12.000	2.500	3.307	0.886	4.311	0.807	0.965	2.2	6300
N331.32-305T63RM0.925	12.000	2.500	3.307	1.004	4.311	0.925	1.083	2.2	6300

R = Right hand, L = Left hand



CoroMill® 331, adjustable cutter for full side and face milling

Bore with keyway - External coolant supply



Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	LF [mm]	CDX [mm]	CW [mm]	THUB [mm]	TQ [Nm]	RPMX [1/min]
N331.32-082S27EMQ	82.00	27.00	39.00	13.00	20.5	10.00	16.00	3.0	18100
N331.32-082S27FMQ	82.00	27.00	39.00	14.00	20.5	12.00	16.00	3.0	18100
N331.32-102S32EMQ	102.00	32.00	47.00	13.00	26.5	10.00	16.00	3.0	15900
N331.32-102S32FMQ	102.00	32.00	47.00	14.00	26.5	12.00	16.00	3.0	15900
N331.32-102S32KMQ	102.00	32.00	47.00	17.25	26.5	16.00	18.50	5.0	14000
N331.32-127S40EMQ	127.00	40.00	55.00	13.00	35.0	10.00	16.00	3.0	14100
N331.32-127S40FMQ	127.00	40.00	55.00	14.00	35.0	12.00	16.00	3.0	14100
N331.32-127S40KMQ	127.00	40.00	55.00	17.25	35.0	16.00	18.50	5.0	12400
N331.32-162S40EMQ	162.00	40.00	55.00	13.00	52.5	10.00	16.00	3.0	12400
N331.32-162S40FMQ	162.00	40.00	55.00	14.00	52.5	12.00	16.00	3.0	12400
N331.32-162S40KMQ	162.00	40.00	55.00	17.25	52.5	16.00	18.50	5.0	10800
N331.32-202S50EMQ	202.00	50.00	69.00	13.00	65.5	10.00	16.00	3.0	11000
N331.32-202S50FMQ	202.00	50.00	69.00	14.00	65.5	12.00	16.00	3.0	11000
N331.32-202S50KMQ	202.00	50.00	69.00	17.25	65.5	16.00	18.50	5.0	9600

R = Right hand, L = Left hand

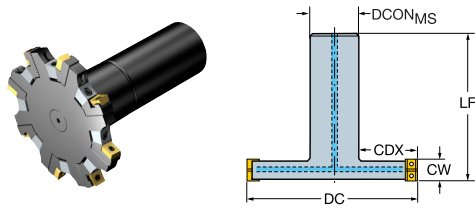
Imperial (inch)

Ordering code	DC [inch]	DCON _{MS} [inch]	DHUB [inch]	LF [inch]	CDX [inch]	CW [inch]	THUB [inch]	TQ [ft]	RPMX [1/min]
N331.32-082T25EMQ	3.228	1.000	1.535	0.502	0.807	0.375	0.630	2.2	18100
N331.32-082T25FMQ	3.228	1.000	1.535	0.565	0.807	0.500	0.630	2.2	18100
N331.32-103T32EMQ	4.079	1.250	1.811	0.502	1.083	0.375	0.630	2.2	18100
N331.32-103T32FMQ	4.079	1.250	1.811	0.565	1.083	0.500	0.630	2.2	15900
N331.32-154T38FMQ	6.079	1.500	2.047	0.565	1.970	0.500	0.630	2.2	12400
N331.32-205T51EMQ	8.079	2.000	2.677	0.502	2.657	0.375	0.630	2.2	11000
N331.32-205T51FMQ	8.079	2.000	2.677	0.565	2.657	0.500	0.630	2.2	11000

R = Right hand, L = Left hand

CoroMill® 331, adjustable cutter for full side and face milling

Cylindrical shank - Internal coolant supply

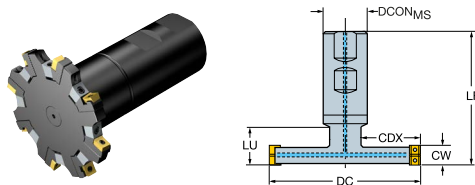


Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	LF [mm]	CDX [mm]	CW [mm]	TQ [Nm]	RPMX [1/min]
R331.32C-080A32CM	80.00	1	32.00	115.00	23.0	6.00	0.8	19300
R331.32C-080A32DM	80.00	1	32.00	115.00	23.0	8.00	1.2	15000
R331.32C-080A32EM	80.00	1	32.00	115.00	23.0	10.00	1.2	18100
R331.32C-100A40CM	100.00	1	40.00	125.00	28.0	6.00	0.8	17100
R331.32C-100A40DM	100.00	1	40.00	125.00	28.0	8.00	1.2	13200
R331.32C-100A40EM	100.00	1	40.00	125.00	28.0	10.00	1.2	15900

R = Right hand, L = Left hand

Weldon shank - Internal coolant supply



Imperial (inch)

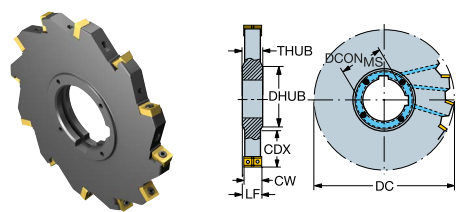
Ordering code	DC [inch]	CNSC	DCON _{MS} [inch]	LF [inch]	CDX [inch]	CW [inch]	TQ [ft]	RPMX [1/min]	STDLET
R331.32C-080M38CM	3.150	1	1.500	4.921	0.787	0.236	0.9	19300	WE
R331.32C-080M38DM	3.150	1	1.500	4.921	0.787	0.315	0.9	15000	WE
R331.32C-080M38EM	3.150	1	1.500	4.921	0.787	0.394	0.9	18100	WE
R331.32C-101M51CM	4.000	1	2.000	5.512	0.945	0.236	0.6	17100	WE
R331.32C-101M51DM	4.000	1	2.000	5.512	0.945	0.315	0.9	13200	WE
R331.32C-101M51EM	4.000	1	2.000	5.512	0.945	0.394	0.9	15900	WE

R = Right hand, L = Left hand



CoroMill® 331, cutter for full side and face milling

Bore with keyway - Internal coolant supply



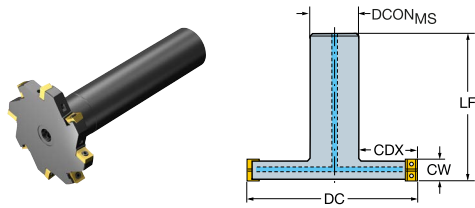
Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	DHUB [mm]	LF [mm]	CDX [mm]	CW [mm]	THUB [mm]	TQ [Nm]	RPMX [1/min]
N331.35C-100S32CM060	100.00	4	32.00	47.00	7.00	25.5	6.00	8.00	0.8	17000
N331.35C-100S32DM080	100.00	4	32.00	47.00	9.00	25.5	8.00	10.00	1.2	13000
N331.35C-125S40DM080	125.00	4	40.00	55.00	9.00	34.0	8.00	10.00	1.2	15000
N331.35C-125S40EM100	125.00	4	40.00	55.00	11.00	34.0	10.00	12.00	1.2	11500

R = Right hand, L = Left hand

CoroMill® 331, cutter for full side and face milling

Cylindrical shank - Internal coolant supply



Metric (mm)

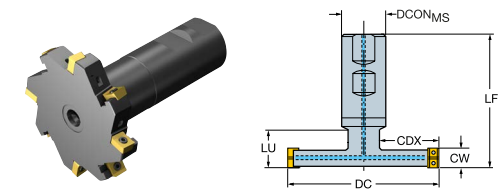
Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	LF [mm]	CDX [mm]	CW [mm]	TQ [Nm]	RPMX [1/min]
R331.35C-040A16CM060	40.00	1	16.00	120.00	11.0	6.00	0.8	29500
R331.35C-040A16DM080	40.00	1	16.00	120.00	11.0	8.00	1.2	22300
R331.35C-040A16EM100	40.00	1	16.00	120.00	11.0	10.00	1.2	27000
R331.35C-050A20CM060	50.00	1	20.00	130.00	14.0	6.00	0.8	25000
R331.35C-050A20DM080	50.00	1	20.00	130.00	14.0	8.00	1.2	19500
R331.35C-050A20EM100	50.00	1	20.00	130.00	14.0	10.00	1.2	23500
R331.35C-063A25CM060	63.00	1	25.00	140.00	18.0	6.00	0.8	22000
R331.35C-063A25DM080	63.00	1	25.00	140.00	18.0	8.00	1.2	17000
R331.35C-063A25EM100	63.00	1	25.00	140.00	18.0	10.00	1.2	21000
R331.35C-080A32CM060	80.00	1	32.00	150.00	23.0	6.00	0.8	19000
R331.35C-080A32DM080	80.00	1	32.00	150.00	23.0	8.00	1.2	15000
R331.35C-080A32EM100	80.00	1	32.00	150.00	23.0	10.00	1.2	18000

R = Right hand, L = Left hand



CoroMill® 331, cutter for full side and face milling

Weldon shank - Internal coolant supply



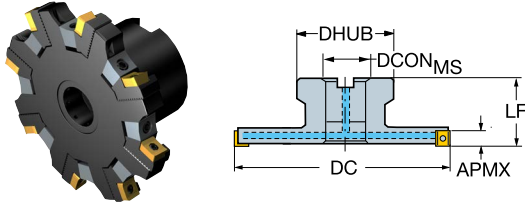
Imperial (inch)

Ordering code	DC [inch]	CNSC	DCON _{MS} [inch]	LF [inch]	LU [inch]	CDX [inch]	CW [inch]	TQ [ft]	RPMX [1/min]	STDLET
R331.35C-038M25CMA04	1.500	1	1.000	4.140	1.500	0.409	0.250	0.6	30000	WE
R331.35C-038M25DMA05	1.500	1	1.000	4.140	1.500	0.409	0.312	0.9	30000	WE
R331.35C-038M25EMA06	1.500	1	1.000	4.140	1.500	0.409	0.375	0.9	23500	WE
R331.35C-038M25EMA08	1.500	1	1.000	4.140	1.500	0.409	0.500	0.9	28000	WE
R331.35C-051M25CMA04	2.000	1	1.000	4.140	1.500	0.583	0.250	0.6	25000	WE
R331.35C-051M25DMA05	2.000	1	1.000	4.140	1.500	0.583	0.312	0.9	25000	WE
R331.35C-051M25EMA06	2.000	1	1.000	4.140	1.500	0.583	0.375	0.9	19500	WE
R331.35C-051M25EMA08	2.000	1	1.000	4.140	1.500	0.583	0.500	0.9	23500	WE
R331.35C-063M32CMA04	2.500	1	1.250	4.140	1.500	0.732	0.250	0.6	22000	WE
R331.35C-063M32DMA05	2.500	1	1.250	4.140	1.500	0.732	0.312	0.9	22000	WE
R331.35C-063M32EMA06	2.500	1	1.250	4.140	1.500	0.732	0.375	0.9	17000	WE
R331.35C-063M32EMA08	2.500	1	1.250	4.140	1.500	0.732	0.500	0.9	20500	WE
R331.35C-076M32CMA04	3.000	1	1.250	4.140	1.500	0.850	0.250	0.6	22000	WE
R331.35C-076M32DMA05	3.000	1	1.250	4.140	1.500	0.850	0.312	0.9	19500	WE
R331.35C-076M32EMA06	3.000	1	1.250	4.140	1.500	0.850	0.375	0.9	15000	WE
R331.35C-076M32EMA08	3.000	1	1.250	4.140	1.500	0.850	0.500	0.9	18500	WE

R = Right hand, L = Left hand

CoroMill® 331, adjustable cutter for half side and face milling

Arbor shank - Internal coolant supply

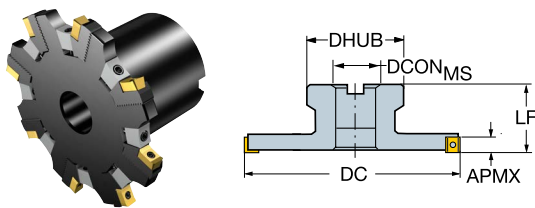


Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	DHUB [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R331.52C-080Q27EMR	80.00	1	27.00	51.00	77.6	9.5	50.00	1.4	18100	A
R331.52C-080Q27FMR	80.00	1	27.00	51.00	77.6	11.5	50.00	1.4	18100	A
R331.52C-100Q27EMR	100.00	1	27.00	51.00	96.8	9.5	50.00	1.4	15900	A
R331.52C-100Q27FMR	100.00	1	27.00	51.00	96.8	11.5	50.00	1.4	15900	A
R331.52C-100Q27KMR	100.00	1	27.00	51.00	97.3	14.4	50.00	3.0	14000	A
R331.52C-125Q32EMR	125.00	1	32.00	61.00	121.2	9.5	50.00	1.4	14100	B
R331.52C-125Q32FMR	125.00	1	32.00	61.00	121.2	11.5	50.00	1.4	14100	B
R331.52C-125Q32KMR	125.00	1	32.00	61.00	121.4	14.4	50.00	3.0	12400	B
R331.52C-160Q40EMR	160.00	1	40.00	73.00	155.8	9.5	50.00	1.4	12400	B
R331.52C-160Q40FMR	160.00	1	40.00	73.00	155.8	11.5	50.00	1.4	12400	B
R331.52C-160Q40KMR	160.00	1	40.00	73.00	155.6	14.4	50.00	3.0	10800	B

R = Right hand. L = Left hand

Arbor shank - External coolant supply



Metric (mm)

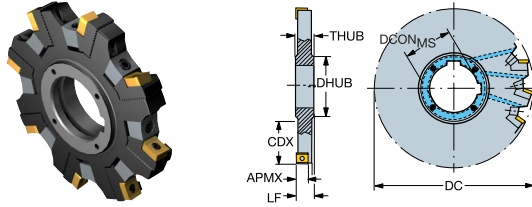
Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]	STDLET	DBC [mm]
R331.52-200Q40MMR	200.00	40.00	96.00	195.0	26.6	63.00	3.0	9600	C	66.7
R331.52-250Q60MMR	250.00	60.00	136.00	244.0	26.6	63.00	3.0	8500	C	101.6
R331.52-315Q60NMR	315.00	60.00	136.00	309.0	30.2	63.00	3.0	7600	C	101.6

R = Right hand. L = Left hand



CoroMill® 331, adjustable cutter for half side and face milling

Bore with keyway - Internal coolant supply



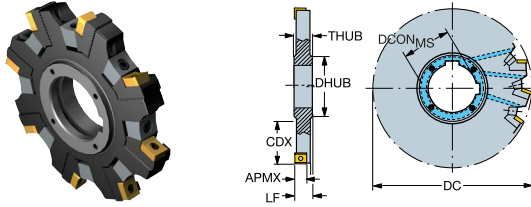
Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	DHUB [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	THUB [mm]	TQ [Nm]	RPMX [1/min]
L331.52C-080S27EM	80.00	1	27.00	39.00	77.5	9.5	13.00	19.5	16.00	1.4	18100
L331.52C-080S27FM	80.00	1	27.00	39.00	77.5	11.5	14.00	19.5	16.00	1.4	18100
L331.52C-100S32EM	100.00	1	32.00	47.00	96.8	9.5	13.00	25.5	16.00	1.4	15900
L331.52C-100S32FM	100.00	1	32.00	47.00	96.8	11.5	14.00	25.5	16.00	1.4	15900
L331.52C-100S32KM	100.00	1	32.00	47.00	96.8	14.4	16.75	25.5	18.50	3.0	14000
L331.52C-125S40EM	125.00	1	40.00	55.00	121.2	9.5	13.00	34.0	16.00	1.4	14100
L331.52C-125S40FM	125.00	1	40.00	55.00	121.2	11.5	14.00	34.0	16.00	1.4	14100
L331.52C-125S40KM	125.00	1	40.00	55.00	121.4	14.4	16.75	34.0	18.50	3.0	12400
L331.52C-160S40EM	160.00	1	40.00	55.00	155.8	9.5	13.00	51.5	16.00	1.4	12400
L331.52C-160S40FM	160.00	1	40.00	55.00	155.8	11.5	14.00	51.5	16.00	1.4	12400
L331.52C-160S40KM	160.00	1	40.00	55.00	155.6	14.4	16.75	51.5	18.50	3.0	10800
R331.52C-080S27EM	80.00	1	27.00	39.00	77.6	9.5	13.00	19.5	16.00	1.4	18100
R331.52C-080S27FM	80.00	1	27.00	39.00	77.6	11.5	14.00	19.5	16.00	1.4	18100
R331.52C-100S32EM	100.00	1	32.00	47.00	96.8	9.5	13.00	25.5	16.00	1.4	15900
R331.52C-100S32FM	100.00	1	32.00	47.00	96.8	11.5	14.00	25.5	16.00	1.4	15900
R331.52C-100S32KM	100.00	1	32.00	47.00	97.3	14.4	16.75	25.5	18.50	3.0	14000
R331.52C-125S40EM	125.00	1	40.00	55.00	121.2	9.5	13.00	34.0	16.00	1.4	14100
R331.52C-125S40FM	125.00	1	40.00	55.00	121.2	11.5	14.00	34.0	16.00	1.4	14100
R331.52C-125S40KM	125.00	1	40.00	55.00	121.4	14.4	16.75	34.0	18.50	3.0	12400
R331.52C-160S40EM	160.00	1	40.00	55.00	155.8	9.5	13.00	51.5	16.00	1.4	12400
R331.52C-160S40FM	160.00	1	40.00	55.00	155.8	11.5	14.00	51.5	16.00	1.4	12400
R331.52C-160S40KM	160.00	1	40.00	55.00	155.6	14.4	16.75	51.5	18.50	3.0	10800

R = Right hand, L = Left hand

CoroMill® 331, adjustable cutter for half side and face milling

Bore with keyway - Internal coolant supply



Imperial (inch)

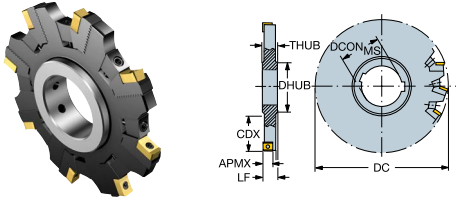
Ordering code	DC [inch]	CNSC	DCON _{MS} [inch]	DHUB [inch]	BD [inch]	LB [inch]	LF [inch]	CDX [inch]	THUB [inch]	TQ [ft]	RPMX [1/min]
L331.52C-080T25FM	3.150	1	1.000	1.535	3.051	0.453	0.551	0.768	0.630	1.0	18100
L331.52C-101T32FM	4.000	1	1.250	1.811	3.874	0.453	0.551	1.043	0.630	1.0	15900
L331.52C-127T38FM	5.000	1	1.500	2.047	4.850	0.453	0.551	1.437	0.630	1.0	14100
L331.52C-127T38KM	5.000	1	1.500	2.047	4.854	0.567	0.659	1.437	0.728	2.2	12400
L331.52C-152T38FM	6.000	1	1.500	2.047	5.839	0.453	0.551	1.929	0.728	1.0	12400
L331.52C-152T38KM	6.000	1	1.500	2.047	5.831	0.567	0.659	1.929	0.728	2.2	10800
R331.52C-080T25FM	3.150	1	1.000	1.535	3.055	0.453	0.551	0.768	0.630	1.0	18100
R331.52C-101T32FM	4.000	1	1.250	1.811	3.874	0.453	0.551	1.043	0.630	1.0	15900
R331.52C-127T38FM	5.000	1	1.500	2.047	4.850	0.453	0.551	1.437	0.630	1.0	14100
R331.52C-127T38KM	5.000	1	1.500	2.047	4.854	0.567	0.659	1.437	0.728	2.2	12400
R331.52C-152T38FM	6.000	1	1.500	2.047	5.839	0.453	0.551	1.929	0.728	1.0	12400
R331.52C-152T38KM	6.000	1	1.500	2.047	5.831	0.567	0.659	1.929	0.728	2.2	10800

R = Right hand, L = Left hand



CoroMill® 331, adjustable cutter for half side and face milling

Bore with keyway - External coolant supply



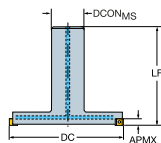
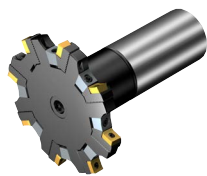
Imperial (inch)

Ordering code	DC [inch]	DCON _{MS} [inch]	DHUB [inch]	BD [inch]	LB [inch]	LF [inch]	THUB [inch]	TQ [ft]	RPMX [1/min]
L331.52-203T51MM	8.000	2.000	2.677	7.795	1.047	1.149	1.228	2.2	9600
R331.52-203T51MM	8.000	2.000	2.677	7.795	1.047	1.149	1.228	2.2	9600
R331.52-254T51MM	10.000	2.000	2.677	9.764	1.047	1.149	1.228	2.2	8500

R = Right hand, L = Left hand

CoroMill® 331, adjustable half side and face disc milling cutter

Cylindrical shank - External coolant supply



Metric (mm)

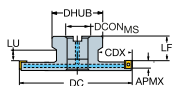
Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	TQ [Nm]	RPMX [1/min]
R331.52C-080A32EMR	80.00	1	32.00	77.6	9.5	115.00	1.4	15900
R331.52C-100A40EMR	100.00	1	40.00	96.8	9.5	125.00	1.4	15900

R = Right hand. L = Left hand



CoroMill® 331, adjustable cutter for half side and back face milling

Arbor shank - Internal coolant supply



Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	DHUB [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	TQ [Nm]	RPMX [1/min]	STDLET
R331.52C-080Q27EML	80.00	1	27.00		77.6	9.5	40.00	20.3	1.4	18100	A
R331.52C-080Q27FML	80.00	1	27.00	51.00	77.6	11.5	38.00	20.3	1.4	18100	A
R331.52C-100Q27EML	100.00	1	27.00	51.00	96.8	9.5	40.00	23.5	1.4	15900	A
R331.52C-100Q27FML	100.00	1	27.00	51.00	96.8	11.5	38.00	23.5	1.4	15900	A
R331.52C-100Q27KML	100.00	1	27.00	51.00	97.3	14.4	35.00	25.8	3.0	14000	A
R331.52C-125Q32EML	125.00	1	32.00	61.00	121.2	9.5	40.00	31.0	1.4	14100	B
R331.52C-125Q32FML	125.00	1	32.00	61.00	121.2	11.5	38.00	31.0	1.4	14100	B
R331.52C-125Q32KML	125.00	1	32.00	61.00	121.4	14.4	35.00	31.0	3.0	12400	B
R331.52C-160Q40EML	160.00	1	40.00	73.00	155.8	9.5	40.00	42.5	1.4	12400	B
R331.52C-160Q40FML	160.00	1	40.00	73.00	155.8	11.5	38.00	42.5	1.4	12400	B
R331.52C-160Q40KML	160.00	1	40.00	73.00	155.6	14.4	35.00	42.5	3.0	10800	B

R = Right hand, L = Left hand

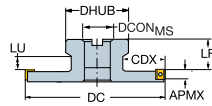
Imperial (inch)

Ordering code	DC [inch]	CNSC	DCON _{MS} [inch]	DHUB [inch]	BD [inch]	LB [inch]	LF [inch]	CDX [inch]	TQ [ft]	RPMX [1/min]	STDLET
R331.52C-080R25FML	3.150	1	1.000	2.008	3.055	0.453	1.528	0.799	1.0	18100	A
R331.52C-101R25FML	4.000	1	1.000	2.008	3.874	0.453	1.528	0.957	1.0	15900	A
R331.52C-101R25KML	4.000	1	1.000	2.008	3.890	0.567	1.409	1.016	2.2	14000	A
R331.52C-127R32FML	5.000	1	1.250	2.402	4.850	0.453	1.528	1.260	1.0	14100	B

R = Right hand, L = Left hand

CoroMill® 331, adjustable cutter for half side and back face milling

Arbor shank - External coolant supply



Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	TQ [Nm]	RPMX [1/min]	STDLET	DBC [mm]
R331.52-200Q40MML	200.00	40.00	96.00	195.0	26.6	35.80	51.0	3.0	9600	C	66.7
R331.52-250Q60MML	250.00	60.00	136.00	244.0	26.6	35.80	56.0	3.0	8500	C	101.6
R331.52-315Q60NML	315.00	60.00	136.00	309.0	30.2	32.20	88.5	3.0	7600	C	101.6

R = Right hand, L = Left hand

Imperial (inch)

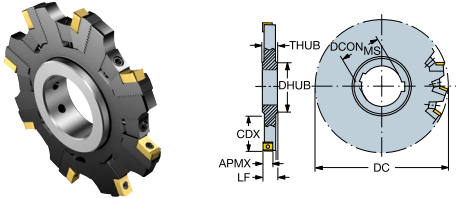
Ordering code	DC [inch]	DCON _{MS} [inch]	DHUB [inch]	BD [inch]	LB [inch]	LF [inch]	CDX [inch]	TQ [ft]	RPMX [1/min]	STDLET	DBC [inch]
R331.52-203R38MML	8.000	1.500	3.780	7.795	1.047	1.409	2.067	2.2	9600	B	
R331.52-305R63NML	12.000	2.500	5.354	11.772	1.189	1.268	3.283	2.2	7600	C	4.00

R = Right hand, L = Left hand



CoroMill® 331, adjustable cutter for half side and back face milling

Bore with keyway - External coolant supply



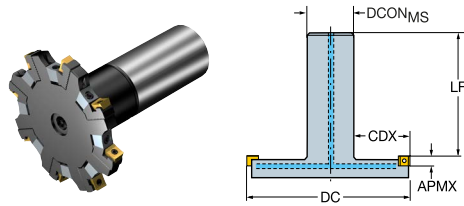
Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	THUB [mm]	TQ [Nm]	RPMX [1/min]
L331.52-200S50MM	200.00	50.00	69.00	195.0	26.6	29.20	64.5	31.20	3.0	9600
L331.52-250S50MM	250.00	50.00	69.00	244.0	26.6	29.20	89.5	31.20	3.0	8500
L331.52-315S60NM	315.00	60.00	84.00			32.80	114.5	34.80	3.0	7600
R331.52-200S50MM	200.00	50.00	69.00	195.0	26.6	29.20	64.5	31.20	3.0	9600
R331.52-250S50MM	250.00	50.00	69.00	244.0	26.6	29.20	89.5	31.20	3.0	8500
R331.52-315S60NM	315.00	60.00	84.00			32.80	114.5	34.80	3.0	7600

R = Right hand, L = Left hand

CoroMill® 331, adjustable cutter for half side and back face milling

Cylindrical shank - External coolant supply



Metric (mm)

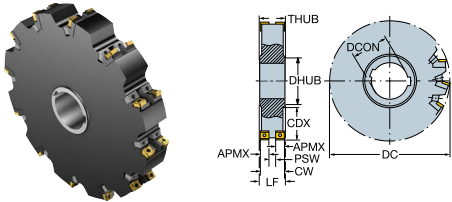
Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	TQ [Nm]	RPMX [1/min]
R331.52C-080A32EML	80.00	1	32.00	77.6	9.5	105.00	23.0	1.4	18100
R331.52C-100A40EML	100.00	1	40.00	96.8	9.5	115.00	29.0	1.4	15900

R = Right hand. L = Left hand



CoroMill® 331, adjustable double half side and face disc milling cutter

Bore with keyway - External coolant supply



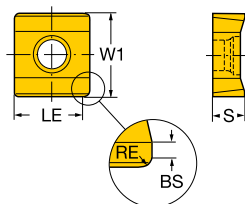
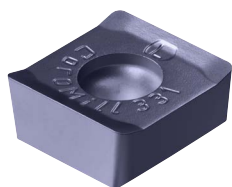
Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	LF [mm]	CDX [mm]	CW [mm]	THUB [mm]	TQ [Nm]	RPMX [1/min]
N331.52-250S50MM	250.00	50.00	69.00	29.20	89.5	27.20	31.20	3.0	8500
N331.52-315S60NM	315.00	60.00	84.00	32.80	114.5	30.80	34.80	3.0	7600

R = Right hand, L = Left hand

CoroMill® 331, insert for side and face milling

Optimised for steel, ISO P



Metric (mm)

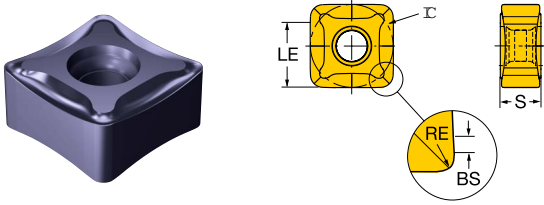
		P						S		M								
Ordering code		4340	4330	1230	1230	4340	1230	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND		
Light	N331.1A-04 35 05H-PL	○	●			○		04	3.50	0.4	0.5	9.5	4.6	4.6	90.00	Neutral		
	N331.1A-05 45 08H-PL	○	●			○		05	4.45	1.2	0.8	9.5	5.7	5.7	90.00	Neutral		
	N331.1A-08 45 08H-PL	○	●			○		08	4.45	1.2	0.8	9.5	7.7	7.7	90.00	Neutral		
	N331.1A-08 45 20H-PL			●	○		○	08	4.45	1.2	2.0	9.5	6.5	6.5	90.00	Neutral		
	N331.1A-11 50 08H-PL	○	●			○		11	4.95	1.2	0.8	11.5	10.7	10.7	90.00	Neutral		
	N331.1A-11 50 20H-PL			●	○		○	11	5.00	1.2	2.0	11.5	9.5	9.5	90.00	Neutral		
	N331.1A-14 50 08H-PL	○	●			○		14	4.95	1.2	0.8	11.5	13.7	13.7	90.00	Neutral		

● = First choice ○ = Good choice



CoroMill® 331, insert for side and face milling

Optimised for steel, ISO P



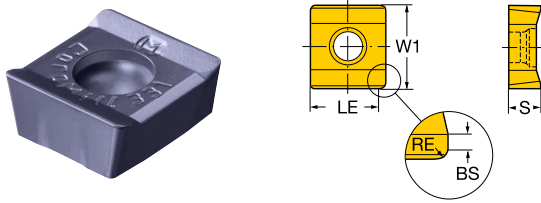
Metric (mm)

		P				S	H	K				M														
Ordering code		4340	4330	4220	1230	3040	1230	4220	3040	4340	4330	4220	1020	3330	3040	4340	1230	SSC	S [mm]	BS [mm]	RE [mm]	IC [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]
Medium PM	N331.1A-04 35 05M-PM	○	●															04	3.50	0.4	0.5		9.5	4.6	4.6	90.00
	N331.1A-05 45 08H-PM		●															05	4.45	1.2	0.8		9.5	5.7	5.7	90.00
	N331.1A-05 45 08M-PM	○	●															05	4.45	1.2	0.8		9.5	5.7	5.7	90.00
	N331.1A-08 45 08H-PM		●															08	4.45	1.2	0.8		9.5	7.7	7.7	90.00
	N331.1A-08 45 08M-PM	○	●															08	4.45	1.2	0.8		9.5	7.7	7.7	90.00
	N331.1A-08 45 20H-PM		○		●													08	4.45	1.2	2.0		9.5	6.5	6.5	90.00
	N331.1A-11 50 08H-PM		●															11	4.95	1.2	0.8		11.5	10.7	10.7	90.00
	N331.1A-11 50 08M-PM	○	●															11	4.95	1.2	0.8		11.5	10.7	10.7	90.00
	N331.1A-11 50 20H-PM		○		●													11	4.95	1.2	2.0		11.5	9.5	9.5	90.00
	N331.1A-14 50 08H-PM		●															14	4.95	1.2	0.8		11.5	13.7	13.7	90.00
	N331.1A-14 50 08M-PM	○	●															14	4.95	1.2	0.8		11.5	13.7	13.7	90.00
	N331.1D-136508E-PM	○	○		●	○	○		○	○	○		●	○	○	○	○	13	6.55	1.2	0.8	13.40		11.4	11.4	88.00
	N331.1D-136508M-PM		●	○		○		●	○		○	○	●	○	○			13	6.55	1.2	0.8	13.40		11.4	11.4	88.00
	N331.1D-136512M-PM			●		○		●	○			○	●	○	○			13	6.55	1.2	1.2	13.40		11.0	11.0	88.00
	N331.1D-136520E-PM	○	○	○	●	○	○	●	○	○	○	○	●	○	○	○	○	13	6.55	1.2	2.0	13.40		10.2	10.1	88.00
	N331.1D-136520M-PM			●		○		●	○			○	●	○	○			13	6.55	1.2	2.0	13.40		10.2	10.1	88.00
		P				S	H	K				M														

● = First choice ○ = Good choice

CoroMill® 331, insert for side and face milling

Optimised for cast iron, ISO K



Metric (mm)

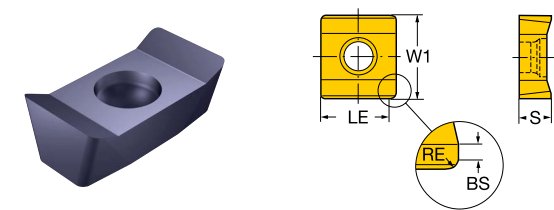
		K														
Ordering code		1220	1020	3220	3330	3040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND	
Light	KL	N331.1A-04 35 05E-KL		●	○	○	○	04	3.50	0.4	0.5	9.5	4.6	4.6	90.00	Neutral
		N331.1A-05 45 08E-KL		●	○	○	○	05	4.45	1.2	0.8	9.5	5.7	5.7	90.00	Neutral
		N331.1A-08 45 08E-KL	●	○	○	○	○	08	4.45	1.2	0.8	9.5	7.7	7.7	90.00	Neutral
		N331.1A-08 45 20E-KL		●				08	4.50	1.2	2.0	9.5	6.5	6.5	90.00	Neutral
		N331.1A-11 50 08E-KL	●	○	○	○	○	11	4.95	1.2	0.8	11.5	10.7	10.7	90.00	Neutral
		N331.1A-11 50 20E-KL		●				11	5.00	1.2	2.0	11.5	9.5	9.5	90.00	Neutral
		N331.1A-14 50 08E-KL		●		○	○	14	4.95	1.2	0.8	11.5	13.7	13.7	90.00	Neutral
Medium	KM	N331.1A-04 35 05M-KM		●	○	○	○	04	3.50	0.4	0.5	9.5	4.6	4.6	90.00	Neutral
		N331.1A-05 45 08E-KM		●	○	○	○	05	4.45	1.2	0.8	9.5	5.7	5.7	90.00	Neutral
		N331.1A-05 45 08M-KM		●	○	○	○	05	4.45	1.2	0.8	9.5	5.7	5.7	90.00	Neutral
		N331.1A-08 45 08E-KM		●	○	○	○	08	4.45	1.2	0.8	9.5	7.7	7.7	90.00	Neutral
		N331.1A-08 45 08M-KM	●	○	○	○	○	08	4.45	1.2	0.8	9.5	7.7	7.7	90.00	Neutral
		N331.1A-08 45 20E-KM		●			○	08	4.45	1.2	2.0	9.5	6.5	6.5	90.00	Neutral
		N331.1A-11 50 08E-KM	●	○	○	○	○	11	4.95	1.2	0.8	11.5	10.7	10.7	90.00	Neutral
		N331.1A-11 50 08M-KM	●	○	○	○	○	11	4.95	1.2	0.8	11.5	10.7	10.7	90.00	Neutral
		N331.1A-11 50 20E-KM		●			○	11	4.95	1.2	2.0	11.5	9.5	9.5	90.00	Neutral
		N331.1A-14 50 08E-KM		●	○	○	○	14	4.95	1.2	0.8	11.5	13.7	13.7	90.00	Neutral
		N331.1A-14 50 08M-KM		●	○	○	○	14	4.95	1.2	0.8	11.5	13.7	13.7	90.00	Neutral

● = First choice ○ = Good choice



CoroMill® 331, insert for side and face milling

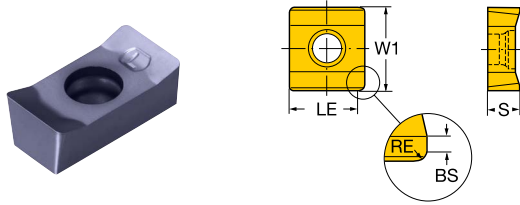
Optimised for non-ferrous materials, ISO N



Metric (mm)

		P S M N													
Ordering code		1230	1230	1230	H10	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND	
Light	N331.1A-04 35 05H-NL	●	○	○	●	04	3.50	0.2	0.5	9.5	4.6	4.6	90.00	Neutral	
	N331.1A-05 45 08H-NL	●	○	○	●	05	4.45	0.8	0.8	9.5	5.7	5.7	90.00	Neutral	
	N331.1A-08 45 08H-NL	●	○	○	●	08	4.45	0.9	0.8	9.5	7.7	7.7	90.00	Neutral	
	N331.1A-11 50 08H-NL	●	○	○	●	11	4.95	1.3	0.8	11.5	10.7	10.7	90.00	Neutral	
	N331.1A-14 50 08H-NL	●	○	○	●	14	4.95	1.1	0.8	11.5	13.7	13.7	90.00	Neutral	
		P S M N													

CoroMill® 331, insert for side and face milling

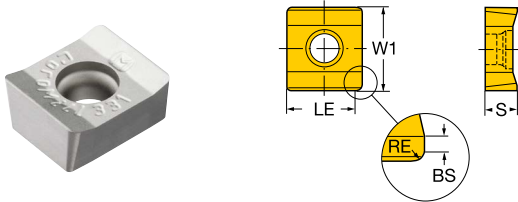


Metric (mm)

				P		S		H	K	M		N												
		Ordering code		530	1230	H13A	1230	530	H13A	530	1230	530	H13A	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND		
Light	WL	N331.1A-04 35 05H-WL			●	○	○		○		○		○	●	04	3.50	0.4	0.5	9.5	4.6	4.6	90.00	Neutral	
		N331.1A-05 45 08H-WL			●	○	○		○		○		○	●	05	4.45	1.2	0.8	9.5	5.7	5.7	90.00	Neutral	
		N331.1A-08 45 08H-WL		○	●	○	○	○	○	○	○	○	○	○	●	08	4.45	1.2	0.8	9.5	7.7	7.7	90.00	Neutral
		N331.1A-11 50 08H-WL			●	○	○		○		○		○	●	11	4.95	1.2	0.8	11.5	10.7	10.7	90.00	Neutral	
		N331.1A-14 50 08H-WL			●	○	○		○		○		○	●	14	4.95	1.2	0.8	11.5	13.7	13.7	90.00	Neutral	



CoroMill® 331, insert for side and face milling

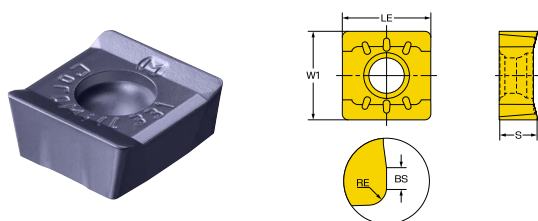


Metric (mm)

		P H K M													
Ordering code		530	530	H13A	530	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND	
Medium WM	N331.1A-08 45 08H-WM	○	○	○	○	08	4.45	1.2	0.8	9.5	7.7	7.7	90.00	Neutral	
	N331.1A-11 50 08H-WM	○	○	○	○	11	4.95	1.2	0.8	11.5	10.7	10.7	90.00	Neutral	
	N331.1A-14 50 08H-WM			○		14	4.95	1.2	0.8	11.5	13.7	13.7	90.00	Neutral	

● = First choice ○ = Good choice

CoroMill® 331, insert for side and face milling



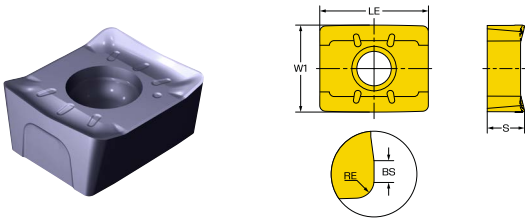
Metric (mm)

		S						M								
Ordering code		S30T	1040	2040	S30T	1040	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light L30	N331.1A-043505E-L30	●	○	○	○	●	○	04	3.49	0.4	0.5	9.5	4.6	4.6	90.00	Neutral
	N331.1A-054508E-L30	●	○	○	○	●	○	05	4.49	1.2	0.8	9.5	5.7	5.7	90.00	Neutral
	N331.1A-084508E-L30	●	○	○	○	●	○	08	4.49	1.2	0.8	9.5	7.7	7.7	90.00	Neutral
	N331.1A-115008E-L30	●	○	○	○	●	○	11	4.99	1.2	0.8	11.5	10.7	10.7	90.00	Neutral
	N331.1A-145008E-L30	●	○	○	○	●	○	14	4.98	1.2	0.8	11.5	13.7	13.7	90.00	Neutral

● = First choice ○ = Good choice



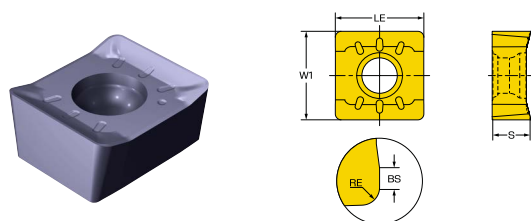
CoroMill® 331, insert for side and face milling



Metric (mm)

		P			S			M													
Ordering code		1230	1040	2040	S30T	1230	1040	2040	S30T	1230	1040	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light L50	N331.1A-043505E-L50	●	○	○	●	○	○	○	○	○	●	○	04	3.49	0.4	0.5	9.5	4.6	4.6	90.00	Neutral
	N331.1A-054508E-L50	●	○	○	●	○	○	○	○	○	●	○	05	4.49	1.2	0.8	9.5	5.7	5.7	90.00	Neutral
	N331.1A-084508E-L50	●	○	○	●	○	○	○	○	○	●	○	08	4.49	1.2	0.8	9.5	7.7	7.7	90.00	Neutral
	N331.1A-115008E-L50	●	○	○	●	○	○	○	○	○	●	○	11	4.99	1.2	0.8	11.5	10.7	10.7	90.00	Neutral
	N331.1A-145008E-L50	●	○	○	●	○	○	○	○	○	●	○	14	4.98	1.2	0.8	11.5	13.7	13.7	90.00	Neutral

CoroMill® 331, insert for side and face milling



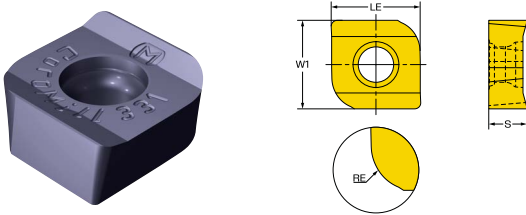
Metric (mm)

		P			H		K										
		4330	1230	3040	3040	4330	1020	3040	SSC	S	BS	RE	W1	LE	APMX	KRINS	HAND
										[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[deg]	
Medium M30	N331.1A-043505E-M30	○	●	○	○	○	●	○	04	3.50	0.4	0.5	9.5	4.6	4.6	90.00	Neutral
	N331.1A-054508E-M30	○	●	○	○	○	●	○	05	4.50	1.2	0.8	9.5	5.7	5.7	90.00	Neutral
	N331.1A-084508E-M30	○	●	○	○	○	●	○	08	4.50	1.2	0.8	9.5	7.7	7.7	90.00	Neutral
	N331.1A-115008E-M30	○	●	○	○	○	●	○	11	5.00	1.2	0.8	11.5	10.7	10.7	90.00	Neutral
	N331.1A-145008E-M30	○	●	○	○	○	●	○	14	5.00	1.2	0.8	11.5	13.7	13.7	90.00	Neutral



CoroMill® 331, insert for side and face milling

Cutter bodies for radii inserts available as Tailor Made

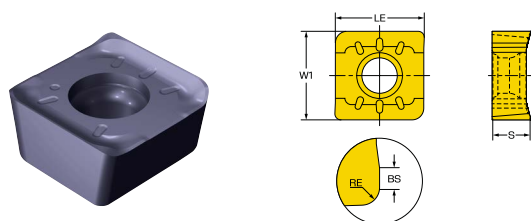


Metric (mm)

		P				H		K		M								
Ordering code		4330	1230	3040	3040	4330	1020	3040	1230	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Medium WM	L331.1A-08 45 40H-WM	○	●	○	○	○	●	○	○	08	4.45	1.4	4.0	9.5	7.7	7.7	90.00	Left
	L331.1A-11 50 40H-WM	○	●	○	○	○	●	○	○	11	4.95	1.4	4.0	11.5	10.7	10.7	90.00	Left
	L331.1A-14 50 40H-WM	○	●	○	○	○	●	○	○	14	4.95	1.4	4.0	11.5	13.7	13.7	90.00	Left
	R331.1A-08 45 40H-WM	○	●	○	○	○	●	○	○	08	4.45	1.4	4.0	9.5	7.7	7.7	90.00	Right
	R331.1A-11 50 40H-WM	○	●	○	○	○	●	○	○	11	4.95	1.4	4.0	11.5	10.7	10.7	90.00	Right
	R331.1A-14 50 40H-WM	○	●	○	○	○	●	○	○	14	4.95	1.4	4.0	11.5	13.7	13.7	90.00	Right
		P				H		K		M								

CoroMill® 331, insert for side and face milling

Cutter bodies for radii inserts available as Tailor Made



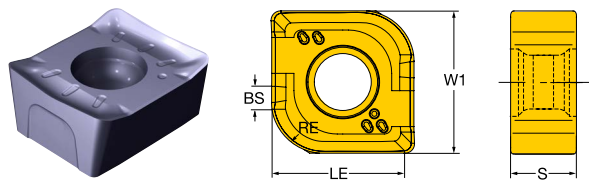
Metric (mm)

		P			H		K										
Ordering code		4330	1230	3040	3040	4330	1020	3040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Medium M30	L331.1A-115015E-M30	○	●	○	○	○	●	○	11	5.00	1.2	1.5	11.5	10.7	10.7	90.00	Left
	L331.1A-115023E-M30	○	●	○	○	○	●	○	11	5.00	1.2	2.3	11.5	10.7	10.7	90.00	Left
	L331.1A-115030E-M30	○	●	○	○	○	●	○	11	5.00	1.3	3.0	11.5	10.7	10.7	90.00	Left
	R331.1A-115015E-M30	○	●	○	○	○	●	○	11	5.00	1.2	1.5	11.5	10.7	10.7	90.00	Right
	R331.1A-115023E-M30	○	●	○	○	○	●	○	11	5.00	1.2	2.3	11.5	10.7	10.7	90.00	Right
	R331.1A-115030E-M30	○	●	○	○	○	●	○	11	5.00	1.3	3.0	11.5	10.7	10.7	90.00	Right



CoroMill® 331, insert for side and face milling

Cutter bodies for radii inserts available as Tailor Made

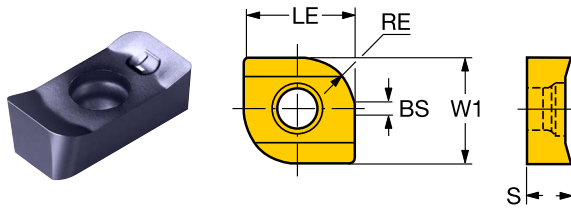


Metric (mm)

		P		S		M												
Ordering code		1040	2040	S30T	1040	2040	S30T	1040	2040	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light L50	L331.1A-115030E-L50	○	○	●	○	○	○	○	○	11	5.00	1.3	3.0	11.5	10.7	10.7	90.00	Left
	L331.1A-115040E-L50	○	○	●	○	○	○	○	○	11	5.00	1.4	4.0	11.5	10.7	10.7	90.00	Left
	L331.1A-115048E-L50	○	○	●	○	○	○	○	○	11	5.00	1.5	4.8	11.5	10.7	10.7	90.00	Left
	L331.1A-115063E-L50	○	○	●	○	○	○	○	○	11	5.00	1.6	6.3	11.5	10.7	10.7	90.00	Left
	R331.1A-115030E-L50	○	○	●	○	○	○	○	○	11	5.00	1.3	3.0	11.5	10.7	10.7	90.00	Right
	R331.1A-115040E-L50	○	○	●	○	○	○	○	○	11	5.00	1.4	4.0	11.5	10.7	10.7	90.00	Right
	R331.1A-115048E-L50	○	○	●	○	○	○	○	○	11	5.00	1.5	4.8	11.5	10.7	10.7	90.00	Right
	R331.1A-115063E-L50	○	○	●	○	○	○	○	○	11	5.00	1.6	6.3	11.5	10.7	10.7	90.00	Right
		P		S		M												

CoroMill® 331, insert for side and face milling

Cutter bodies for radii inserts available as Tailor Made



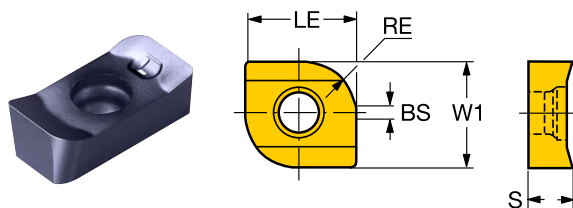
Metric (mm)

		P				S				K	M				N								
Ordering code		4340	1230	1040	S30T	1230	1040	H10F	4340	S30T	4340	1230	1040	H10F	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light WL	L331.1A-04 35 15H-WL		●	○		○	○					○	●		04	3.50	0.4	1.5	9.5	4.6	4.6	90.00	Left
	L331.1A-04 35 23H-WL		●	○		○	○					○	●		04	3.50	0.4	2.3	9.5	4.6	4.6	90.00	Left
	L331.1A-05 45 15H-WL		●	○		○	○					○	●		05	4.45	1.2	1.5	9.5	5.7	5.7	90.00	Left
	L331.1A-05 45 23H-WL		●	○		○	○					○	●		05	4.45	1.2	2.3	9.5	5.7	5.7	90.00	Left
	L331.1A-05 45 30H-WL		●	○		○	○					○	●		05	4.45	1.3	3.0	9.5	5.7	5.7	90.00	Left
	L331.1A-08 45 15H-WL		●	○	●	○	○			○		○	●		08	4.50	1.2	1.5	9.5	7.7	7.7	90.00	Left
	L331.1A-08 45 23H-WL		●	○	●	○	○	○		○		○	●	○	08	4.50	1.2	2.3	9.5	7.7	7.7	90.00	Left
	L331.1A-08 45 30H-WL		●	○		○	○	●				○	●	○	08	4.45	1.3	3.0	9.5	7.7	7.7	90.00	Left
	L331.1A-11 50 15H-WL		●	○	●	○	○			○		○	●		11	5.00	1.2	1.5	11.5	10.7	10.7	90.00	Left
	L331.1A-11 50 23H-WL		●	○	●	○	○	○		○		○	●	○	11	5.00	1.2	2.3	11.5	10.7	10.7	90.00	Left
	L331.1A-11 50 30H-WL		●	○		○	○					○	●		11	4.95	1.3	3.0	11.5	10.7	10.7	90.00	Left
	L331.1A-11 50 48H-WL		●			○						○			11	4.95	1.5	4.8	11.5	10.7	10.7	90.00	Left
	L331.1A-11 50 63H-WL		●	○		○	○					○	●		11	4.95	1.6	6.3	11.5	10.7	10.7	90.00	Left
	L331.1A-14 50 15H-WL		●			○						○			14	4.95	1.2	1.5	11.5	13.7	13.7	90.00	Left
	L331.1A-14 50 23H-WL		●			○						○			14	4.95	1.2	2.3	11.5	13.7	13.7	90.00	Left
	L331.1A-14 50 30H-WL	○	●	○		○	○	●	○		○	○	●	○	14	4.95	1.3	3.0	11.5	13.7	13.7	90.00	Left
	L331.1A-14 50 48H-WL	○	●			○		●	○		○	○		○	14	4.95	1.5	4.8	11.5	13.7	13.7	90.00	Left
	L331.1A-14 50 63H-WL	○	●	○		○	○		○		○	○	●		14	4.95	1.6	6.3	11.5	13.7	13.7	90.00	Left



CoroMill® 331, insert for side and face milling

Cutter bodies for radii inserts available as Tailor Made



Imperial (inch)

		P			S			K	M			N											
Ordering code		4340	1230	1040	S30T	1230	1040	H10F	4340	S30T	4340	1230	1040	H10F	SSC	S [mm]	BS [mm]	RE [mm]	W1 [mm]	LE [mm]	APMX [mm]	KRINS [deg]	HAND
Light WL	R331.1A-04 35 15H-WL		●	○		○	○					○	●		04	3.50	0.4	1.5	9.5	4.6	4.6	90.00	Right
	R331.1A-04 35 23H-WL		●	○		○	○					○	●		04	3.50	0.4	2.3	9.5	4.6	4.6	90.00	Right
	R331.1A-05 45 15H-WL		●	○		○	○					○	●		05	4.45	1.2	1.5	9.5	5.7	5.7	90.00	Right
	R331.1A-05 45 23H-WL		●	○		○	○					○	●		05	4.45	1.2	2.3	9.5	5.7	5.7	90.00	Right
	R331.1A-05 45 30H-WL		●	○		○	○					○	●		05	4.45	1.3	3.0	9.5	5.7	5.7	90.00	Right
	R331.1A-08 45 15H-WL		●	○	●	○	○			○		○	●		08	4.50	1.2	1.5	9.5	7.7	7.7	90.00	Right
	R331.1A-08 45 23H-WL		●	○	●	○	○	○		○		○	●	○	08	4.50	1.2	2.3	9.5	7.7	7.7	90.00	Right
	R331.1A-08 45 30H-WL		●	○		○	○					○	●		08	4.45	1.3	3.0	9.5	7.7	7.7	90.00	Right
	R331.1A-11 50 15H-WL		●	○	●	○	○			○		○	●		11	5.00	1.2	1.5	11.5	10.7	10.7	90.00	Right
	R331.1A-11 50 23H-WL		●	○	●	○	○	○		○		○	●	○	11	5.00	1.2	2.3	11.5	10.7	10.7	90.00	Right
	R331.1A-11 50 30H-WL		●	○		○	○					○	●		11	4.95	1.3	3.0	11.5	10.7	10.7	90.00	Right
	R331.1A-11 50 48H-WL		●	○		○	○					○	●		11	4.95	1.5	4.8	11.5	10.7	10.7	90.00	Right
	R331.1A-11 50 63H-WL		●	○		○	○					○	●		11	4.95	1.6	6.3	11.5	10.7	10.7	90.00	Right
	R331.1A-14 50 15H-WL		●			○						○			14	4.95	1.2	1.5	11.5	13.7	13.7	90.00	Right
	R331.1A-14 50 23H-WL		●			○						○			14	4.95	1.2	2.3	11.5	13.7	13.7	90.00	Right
R331.1A-14 50 30H-WL	○	●	○		○	○	●	○		○	○	●	○	14	4.95	1.3	3.0	11.5	13.7	13.7	90.00	Right	
R331.1A-14 50 48H-WL	○	●			○			○		○	○			14	4.95	1.5	4.8	11.5	13.7	13.7	90.00	Right	
R331.1A-14 50 63H-WL	○	●	○		○	○		○		○	○	●		14	4.95	1.6	6.3	11.5	13.7	13.7	90.00	Right	
		P			S			K	M			N											



Read more about CoroMill® QD:
sandvik.coromant.com/coromillQD



CoroMill® QD

High-security groove milling and parting off

CoroMill® QD is the first choice for narrow, deep grooves. Internal coolant combined with optimized insert geometries deforming the chip to a shape narrower than the groove.

Application

- Deep grooving and parting off
- External and internal machining
- Roughing to finishing

Features and benefits

- Secure machining ensured by excellent chip evacuation and long and predictable insert and cutter-body tool life
- Internal coolant
- High-quality grooves with close hole tolerances
- Easy insert changes for efficient production



P M K N S H
ISO application areas

First choice for narrow, deep grooves

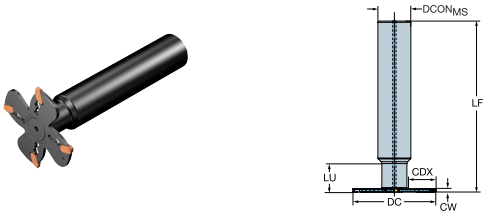
Built for precision in deep and narrow grooves, this solution combines internal coolant with chip-narrowing geometries for secure, efficient machining. Expect excellent chip control, long tool life and high-quality results every time.





CoroMill® QD, cutter for grooving and parting off

Cylindrical shank - Internal coolant supply



Metric (mm)

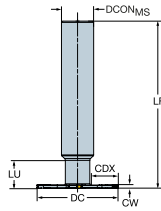
Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	CW [mm]	RPMX [1/min]
QD-EC063A25-M	63.00	4	25.00	19.0	21.8	130.00	21.0	2.00	4900
QD-FC063A25-M	63.00	4	25.00	19.0	22.3	130.00	21.0	2.50	5600
QD-GC063A25-M	63.00	4	25.00	19.0	22.7	130.00	21.0	3.00	6900
QD-JC080A32-M	80.00	4	32.00	25.0	24.7	130.00	26.5	5.00	4200
QD-KC080A32-M	80.00	4	32.00	25.0	25.7	130.00	26.5	6.00	4300

Imperial (inch)

Ordering code	DC [inch]	CNSC	DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	CDX [inch]	CW [inch]	RPMX [1/min]
AQD-EC063025-M	2.480	4	1.000	0.748	0.858	5.118	0.827	0.079	4900
AQD-FC063025-M	2.480	4	1.000	0.748	0.878	5.118	0.827	0.094	5600
AQD-GC063025-M	2.480	4	1.000	0.748	0.894	5.118	0.827	0.125	6900
AQD-HC076031-M	2.992	4	1.250	0.984	0.933	5.118	0.965	0.157	5100
AQD-JC076031-M	2.992	4	1.250	0.866	0.972	5.118	1.024	0.187	4300
AQD-KC076031-M	2.992	4	1.250	0.866	1.012	5.118	1.024	0.250	4400

CoroMill® QD, cutter for grooving and parting off

Cylindrical shank - External coolant supply



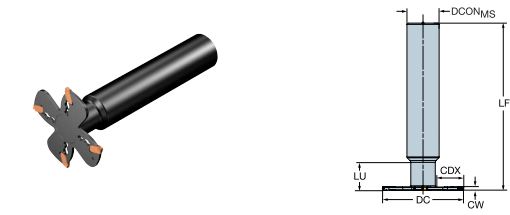
Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	CW [mm]	RPMX [1/min]
QD-E-063A25-M	63.00	25.00	19.0	21.8	130.00	21.0	2.00	4900
QD-F-063A25-M	63.00	25.00	19.0	22.3	130.00	21.0	2.50	5600
QD-G-063A25-M	63.00	25.00	19.0	22.7	130.00	21.0	3.00	6900
QD-J-080A32-M	80.00	32.00	25.0	24.7	130.00	26.5	5.00	4200
QD-K-080A32-M	80.00	32.00	25.0	25.7	130.00	26.5	6.00	4300



CoroMill® QD, cutter for grooving and parting off

Cylindrical shank - External coolant supply

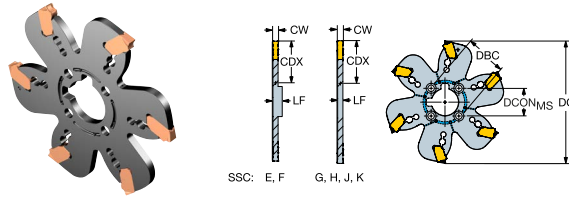


Imperial (inch)

Ordering code	DC [inch]	DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	CDX [inch]	CW [inch]	RPMX [1/min]
AQD-E-063025-M	2.480	1.000	0.748	0.858	5.118	0.827	0.079	4900
AQD-F-063025-M	2.480	1.000	0.748	0.878	5.118	0.827	0.094	5600
AQD-G-063025-M	2.480	1.000	0.748	0.894	5.118	0.827	0.125	6900
AQD-H-076031-M	2.992	1.250	0.984	0.933	5.118	0.965	0.157	5100
AQD-J-076031-M	2.992	1.250	0.866	0.972	5.118	1.024	0.187	4300
AQD-K-076031-M	2.992	1.250	0.866	1.012	5.118	1.024	0.250	4400

CoroMill® QD, cutter for grooving and parting off

Arbor shank - Internal coolant supply



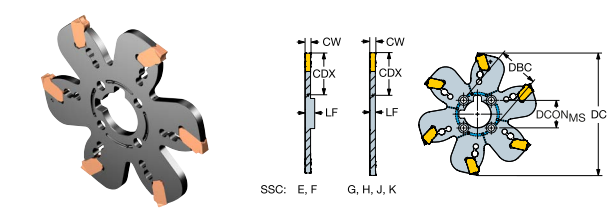
Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	LF [mm]	CDX [mm]	CW [mm]	RPMX [1/min]	DBC [mm]
QD-EC080X10-M	80.00	4	10.00	2.65	24.0	2.00	4300	22.0
QD-EC100X22-M	100.00	4	22.00	2.65	30.0	2.00	3900	32.0
QD-EC125X32-M	125.00	4	32.00	2.65	31.0	2.00	3500	45.0
QD-EC160X40-M	160.00	4	40.00	2.65	40.0	2.00	3000	63.0
QD-FC080X10-M	80.00	4	10.00	2.65	24.0	2.50	5000	22.0
QD-FC100X22-M	100.00	4	22.00	2.65	30.0	2.50	4400	32.0
QD-FC125X32-M	125.00	4	32.00	2.65	31.0	2.50	4000	45.0
QD-FC160X40-M	160.00	4	40.00	2.65	40.0	2.50	3500	63.0
QD-GC080X10-M	80.00	4	10.00	2.70	24.0	3.00	6100	22.0
QD-GC100X22-M	100.00	4	22.00	2.70	30.0	3.00	5500	32.0
QD-GC125X32-M	125.00	4	32.00	2.70	31.0	3.00	4900	45.0
QD-GC160X40-M	160.00	4	40.00	2.70	40.0	3.00	4300	63.0
QD-HC080X10-M	80.00	4	10.00	3.65	24.0	4.00	5000	22.0
QD-HC100X22-M	100.00	4	22.00	3.65	30.0	4.00	4400	32.0
QD-HC125X32-M	125.00	4	32.00	3.65	31.0	4.00	4000	45.0
QD-HC160X40-M	160.00	4	40.00	3.65	40.0	4.00	3500	63.0
QD-JC100X22-M	100.00	4	22.00	4.65	30.0	5.00	3800	32.0
QD-JC125X32-M	125.00	4	32.00	4.65	31.0	5.00	3400	45.0
QD-JC160X40-M	160.00	4	40.00	4.65	40.0	5.00	3000	63.0
QD-KC100X22-M	100.00	4	22.00	5.65	30.0	6.00	3900	32.0
QD-KC125X32-M	125.00	4	32.00	5.65	31.0	6.00	3500	45.0
QD-KC160X40-M	160.00	4	40.00	5.65	40.0	6.00	3000	63.0



CoroMill® QD, cutter for grooving and parting off

Arbor shank - Internal coolant supply

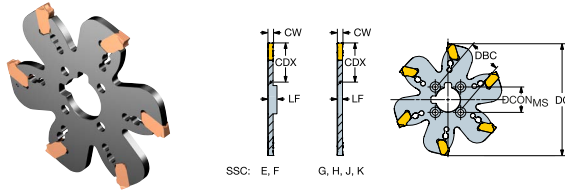


Imperial (inch)

Ordering code	DC [inch]	CNSC	DCON _{MS} [inch]	LF [inch]	CDX [inch]	CW [inch]	RPMX [1/min]	DBC [inch]
AQD-EC076X10-M	3.000	4	0.394	0.104	0.870	0.079	4400	0.87
AQD-EC102Y25-M	4.000	4	1.000	0.104	1.016	0.079	3800	1.42
AQD-EC127Y31-M	5.000	4	1.250	0.104	1.260	0.079	3400	1.77
AQD-EC152Y38-M	6.000	4	1.500	0.104	1.425	0.079	3100	2.48
AQD-FC076X10-M	3.000	4	0.394	0.086	0.870	0.094	5100	0.87
AQD-FC102Y25-M	4.000	4	1.000	0.086	1.016	0.094	4400	1.42
AQD-FC127Y31-M	5.000	4	1.250	0.086	1.260	0.094	3900	1.77
AQD-FC152Y38-M	6.000	4	1.500	0.086	1.425	0.094	3600	2.48
AQD-GC076X10-M	3.000	4	0.394	0.110	0.870	0.125	6300	0.87
AQD-GC102Y25-M	4.000	4	1.000	0.110	1.016	0.125	5400	1.42
AQD-GC127Y31-M	5.000	4	1.250	0.110	1.260	0.125	4800	1.77
AQD-GC152Y38-M	6.000	4	1.500	0.110	1.425	0.125	4400	2.48
AQD-HC102Y25-M	4.000	4	1.000	0.144	1.016	0.157	4400	1.42
AQD-HC127Y31-M	5.000	4	1.250	0.144	1.260	0.157	3900	1.77
AQD-HC152Y38-M	6.000	4	1.500	0.144	1.425	0.157	3600	2.48
AQD-JC102Y25-M	4.000	4	1.000	0.178	1.016	0.187	3700	1.42
AQD-JC127Y31-M	5.000	4	1.250	0.178	1.260	0.187	3300	1.77
AQD-JC152Y38-M	6.000	4	1.500	0.178	1.425	0.187	3000	2.48
AQD-KC102Y25-M	4.000	4	1.000	0.229	1.016	0.250	3800	1.42
AQD-KC127Y31-M	5.000	4	1.250	0.229	1.260	0.250	3400	1.77
AQD-KC152Y38-M	6.000	4	1.500	0.229	1.425	0.250	3100	2.48

CoroMill® QD, cutter for grooving and parting off

Arbor shank - External coolant supply



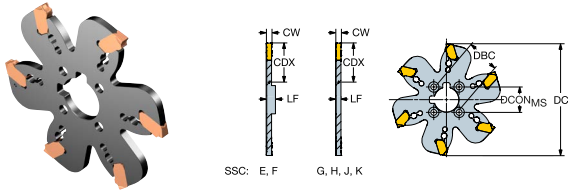
Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	LF [mm]	CDX [mm]	CW [mm]	RPMX [1/min]	DBC [mm]
QD-E-080X10-M	80.00	10.00	2.65	24.0	2.00	4300	22.0
QD-E-100X22-M	100.00	22.00	2.65	30.0	2.00	3900	32.0
QD-E-125X32-M	125.00	32.00	2.65	31.0	2.00	3500	45.0
QD-E-160X40-M	160.00	40.00	2.65	40.0	2.00	3000	63.0
QD-E-200X40-M	200.00	40.00	2.65	60.0	2.00	2700	63.0
QD-F-080X10-M	80.00	10.00	2.65	24.0	2.50	5000	22.0
QD-F-100X22-M	100.00	22.00	2.65	30.0	2.50	4400	32.0
QD-F-125X32-M	125.00	32.00	2.65	31.0	2.50	4000	45.0
QD-F-160X40-M	160.00	40.00	2.65	40.0	2.50	3500	63.0
QD-F-200X40-M	200.00	40.00	2.65	60.0	2.50	3100	63.0
QD-F-250X40-M	250.00	40.00	2.70	85.0	2.50	2800	63.0
QD-G-080X10-M	80.00	10.00	2.70	24.0	3.00	6100	22.0
QD-G-100X22-M	100.00	22.00	2.70	30.0	3.00	5500	32.0
QD-G-125X32-M	125.00	32.00	2.70	31.0	3.00	4900	45.0
QD-G-160X40-M	160.00	40.00	2.70	40.0	3.00	4300	63.0
QD-G-200X40-M	200.00	40.00	2.70	60.0	3.00	3800	63.0
QD-G-250X40-M	250.00	40.00	2.70	85.0	3.00	3400	63.0
QD-G-315X40-M	315.00	40.00	2.70	117.5	3.00	3100	63.0
QD-H-080X10-M	80.00	10.00	3.65	24.0	4.00	5000	22.0
QD-H-100X22-M	100.00	22.00	3.65	30.0	4.00	4400	32.0
QD-H-125X32-M	125.00	32.00	3.65	31.0	4.00	4000	45.0
QD-H-160X40-M	160.00	40.00	3.65	40.0	4.00	3500	63.0
QD-H-200X40-M	200.00	40.00	3.65	60.0	4.00	3100	63.0
QD-H-250X40-M	250.00	40.00	3.65	85.0	4.00	2800	63.0
QD-H-315X40-M	315.00	40.00	3.65	117.5	4.00	2500	63.0
QD-J-100X22-M	100.00	22.00	4.65	30.0	5.00	3800	32.0
QD-J-125X32-M	125.00	32.00	4.65	31.0	5.00	3400	45.0
QD-J-160X40-M	160.00	40.00	4.65	40.0	5.00	3000	63.0
QD-J-200X40-M	200.00	40.00	4.65	60.0	5.00	2700	63.0
QD-J-250X40-M	250.00	40.00	4.65	85.0	5.00	2400	63.0
QD-J-315X40-M	315.00	40.00	4.65	117.5	5.00	2100	63.0
QD-K-100X22-M	100.00	22.00	5.65	30.0	6.00	3900	32.0
QD-K-125X32-M	125.00	32.00	5.65	31.0	6.00	3500	45.0
QD-K-160X40-M	160.00	40.00	5.65	40.0	6.00	3000	63.0



CoroMill® QD, cutter for grooving and parting off

Arbor shank - External coolant supply



Metric (mm)

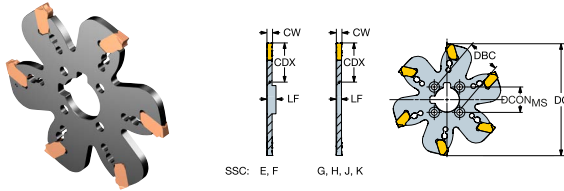
Ordering code	DC [mm]	DCON _{MS} [mm]	LF [mm]	CDX [mm]	CW [mm]	RPMX [1/min]	DBC [mm]
QD-K-200X40-M	200.00	40.00	5.65	60.0	6.00	2700	63.0
QD-K-250X40-M	250.00	40.00	5.65	85.0	6.00	2400	63.0
QD-K-315X40-M	315.00	40.00	5.65	117.5	6.00	2200	63.0

Imperial (inch)

Ordering code	DC [inch]	DCON _{MS} [inch]	LF [inch]	CDX [inch]	CW [inch]	RPMX [1/min]	DBC [inch]
AQD-E-076X10-M	3.000	0.394	0.104	0.870	0.079	4400	0.87
AQD-E-102Y25-M	4.000	1.000	0.104	1.016	0.079	3800	1.42
AQD-E-127Y31-M	5.000	1.250	0.104	1.260	0.079	3400	1.77
AQD-E-152Y38-M	6.000	1.500	0.104	1.425	0.079	3100	2.48
AQD-E-203Y38-M	8.000	1.500	0.104	2.425	0.079	2700	2.48
AQD-F-076X10-M	3.000	0.394	0.086	0.870	0.094	5100	0.87
AQD-F-102Y25-M	4.000	1.000	0.086	1.016	0.094	4400	1.42
AQD-F-127Y31-M	5.000	1.250	0.086	1.260	0.094	3900	1.77
AQD-F-152Y38-M	6.000	1.500	0.086	1.425	0.094	3600	2.48
AQD-F-203Y38-M	8.000	1.500	0.086	2.425	0.094	3100	2.48
AQD-F-254Y38-M	10.000	1.500	0.086	3.425	0.094	2800	2.48
AQD-G-076X10-M	3.000	0.394	0.110	0.870	0.125	6300	0.87
AQD-G-102Y25-M	4.000	1.000	0.110	1.016	0.125	5400	1.42
AQD-G-127Y31-M	5.000	1.250	0.110	1.260	0.125	4800	1.77
AQD-G-152Y38-M	6.000	1.500	0.110	1.425	0.125	4400	2.48
AQD-G-203Y38-M	8.000	1.500	0.110	2.425	0.125	3800	2.48
AQD-G-254Y38-M	10.000	1.500	0.110	3.425	0.125	3400	2.48
AQD-G-305Y38-M	12.000	1.500	0.110	4.425	0.125	3100	2.48
AQD-H-102Y25-M	4.000	1.000	0.144	1.016	0.157	4400	1.42
AQD-H-127Y31-M	5.000	1.250	0.144	1.260	0.157	3900	1.77
AQD-H-152Y38-M	6.000	1.500	0.144	1.425	0.157	3600	2.48

CoroMill® QD, cutter for grooving and parting off

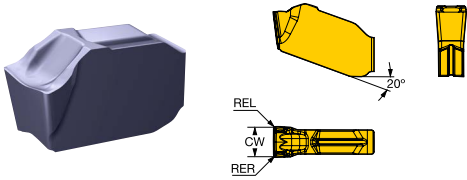
Arbor shank - External coolant supply



Imperial (inch)

Ordering code	DC [inch]	DCON _{MS} [inch]	LF [inch]	CDX [inch]	CW [inch]	RPMX [1/min]	DBC [inch]
AQD-H-203Y38-M	8.000	1.500	0.144	2.425	0.157	3100	2.48
AQD-H-254Y38-M	10.000	1.500	0.144	3.425	0.157	2800	2.48
AQD-H-305Y38-M	12.000	1.500	0.144	4.425	0.157	2500	2.48
AQD-J-102Y25-M	4.000	1.000	0.178	1.016	0.187	3700	1.42
AQD-J-127Y31-M	5.000	1.250	0.178	1.260	0.187	3300	1.77
AQD-J-152Y38-M	6.000	1.500	0.178	1.425	0.187	3000	2.48
AQD-J-203Y38-M	8.000	1.500	0.178	2.425	0.187	2600	2.48
AQD-J-254Y38-M	10.000	1.500	0.178	3.425	0.187	2400	2.48
AQD-J-305Y38-M	12.000	1.500	0.178	4.425	0.187	2100	2.48
AQD-K-102Y25-M	4.000	1.000	0.229	1.016	0.250	3800	1.42
AQD-K-127Y31-M	5.000	1.250	0.229	1.260	0.250	3400	1.77
AQD-K-152Y38-M	6.000	1.500	0.229	1.425	0.250	3100	2.48
AQD-K-203Y38-M	8.000	1.500	0.229	2.425	0.250	2700	2.48
AQD-K-254Y38-M	10.000	1.500	0.229	3.425	0.250	2400	2.48
AQD-K-305Y38-M	12.000	1.500	0.229	4.425	0.250	2200	2.48

CoroMill® QD, insert for grooving

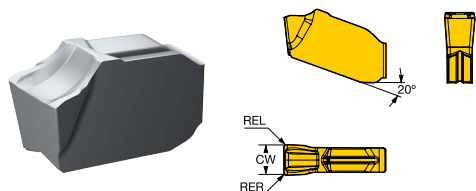


Metric (mm)

		P		S		M									
Ordering code		4340	1230	S30T	1230	S30T	4340	1230	SSC	S [mm]	CW [mm]	RER [mm]	REL [mm]	HAND	
Light	PL	QD-NE-0200-020E-PL	○	●		○		○	○	E	3.10	2.00	0.20	0.20	Neutral
		QD-NF-0239-020E-PL	○	●		○		○	○	F	3.10	2.39	0.20	0.20	Neutral
		QD-NF-0250-020E-PL	○	●		○		○	○	F	3.10	2.50	0.20	0.20	Neutral
		QD-NG-0300-020E-PL	○	●		○		○	○	G	3.10	3.00	0.20	0.20	Neutral
		QD-NG-0318-020E-PL	○	●		○		○	○	G	3.10	3.18	0.20	0.20	Neutral
		QD-NH-0400-025E-PL	○	●		○		○	○	H	4.00	4.00	0.25	0.25	Neutral
		QD-NJ-0476-030E-PL	○	●		○		○	○	J	5.00	4.76	0.30	0.30	Neutral
		QD-NJ-0500-030E-PL	○	●		○		○	○	J	5.00	5.00	0.30	0.30	Neutral
		QD-NK-0600-035E-PL	○	●		○		○	○	K	5.00	6.00	0.35	0.35	Neutral
		QD-NK-0635-035E-PL	○	●		○		○	○	K	5.00	6.35	0.35	0.35	Neutral
	SL	QD-NE-0200-020E-SL		●	●	○	○		○	E	3.10	2.00	0.20	0.20	Neutral
		QD-NF-0239-020E-SL		●	●	○	○		○	F	3.10	2.39	0.20	0.20	Neutral
		QD-NF-0250-020E-SL		●	●	○	○		○	F	3.10	2.50	0.20	0.20	Neutral
		QD-NG-0300-020E-SL		●	●	○	○		○	G	3.10	3.00	0.20	0.20	Neutral
		QD-NG-0318-020E-SL		●	●	○	○		○	G	3.10	3.18	0.20	0.20	Neutral
		QD-NH-0400-025E-SL		●	●	○	○		○	H	4.00	4.00	0.25	0.25	Neutral
		QD-NJ-0476-030E-SL		●	●	○	○		○	J	5.00	4.76	0.30	0.30	Neutral
		QD-NJ-0500-030E-SL		●	●	○	○		○	J	5.00	5.00	0.30	0.30	Neutral
		QD-NK-0600-035E-SL		●	●	○	○		○	K	5.00	6.00	0.35	0.35	Neutral
		QD-NK-0635-035E-SL		●	●	○	○		○	K	5.00	6.35	0.35	0.35	Neutral

● = First choice ○ = Good choice

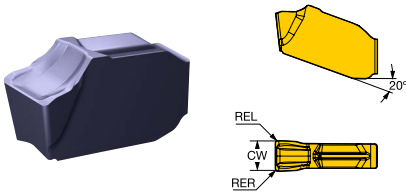
CoroMill® QD, insert for grooving



Metric (mm)

		N						
Ordering code		H13A	SSC	S [mm]	CW [mm]	RER [mm]	REL [mm]	HAND
Light	NL	QD-NE-0200-010E-NL	● E	3.10	2.00	0.10	0.10	Neutral
		QD-NF-0239-010E-NL	● F	3.10	2.39	0.10	0.10	Neutral
		QD-NF-0250-010E-NL	● F	3.10	2.50	0.10	0.10	Neutral
		QD-NG-0300-010E-NL	● G	3.10	3.00	0.10	0.10	Neutral
		QD-NG-0318-010E-NL	● G	3.10	3.18	0.10	0.10	Neutral
		QD-NH-0400-015E-NL	● H	4.00	4.00	0.15	0.15	Neutral
		QD-NJ-0476-020E-NL	● J	5.00	4.76	0.20	0.20	Neutral
		QD-NJ-0500-020E-NL	● J	5.00	5.00	0.20	0.20	Neutral
		QD-NK-0600-025E-NL	● K	5.00	6.00	0.25	0.25	Neutral
		QD-NK-0635-025E-NL	● K	5.00	6.35	0.25	0.25	Neutral

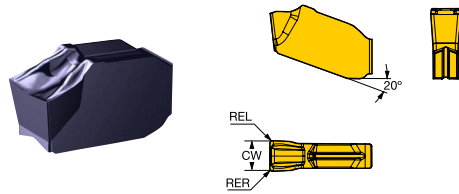
CoroMill® QD, insert for grooving



Metric (mm)

		P							
Ordering code		4340	1230	SSC	S [mm]	CW [mm]	RER [mm]	REL [mm]	HAND
Medium PM	QD-NE-0200-020E-PM	○	●	E	3.10	2.00	0.20	0.20	Neutral
	QD-NE-0200-020M-PM	○	●	E	3.10	2.00	0.20	0.20	Neutral
	QD-NF-0239-020E-PM	○	●	F	3.10	2.39	0.20	0.20	Neutral
	QD-NF-0239-020M-PM	○	●	F	3.10	2.39	0.20	0.20	Neutral
	QD-NF-0250-020E-PM	○	●	F	3.10	2.50	0.20	0.20	Neutral
	QD-NF-0250-020M-PM	○	●	F	3.10	2.50	0.20	0.20	Neutral
	QD-NG-0300-020E-PM	○	●	G	3.10	3.00	0.20	0.20	Neutral
	QD-NG-0300-020M-PM	○	●	G	3.10	3.00	0.20	0.20	Neutral
	QD-NG-0318-020E-PM	○	●	G	3.10	3.18	0.20	0.20	Neutral
	QD-NG-0318-020M-PM	○	●	G	3.10	3.18	0.20	0.20	Neutral
	QD-NH-0400-025E-PM	○	●	H	4.00	4.00	0.25	0.25	Neutral
	QD-NH-0400-025M-PM	○	●	H	4.00	4.00	0.25	0.25	Neutral
	QD-NJ-0476-030E-PM	○	●	J	5.00	4.76	0.30	0.30	Neutral
	QD-NJ-0476-030M-PM	○	●	J	5.00	4.76	0.30	0.30	Neutral
	QD-NJ-0500-030E-PM	○	●	J	5.00	5.00	0.30	0.30	Neutral
	QD-NJ-0500-030M-PM	○	●	J	5.00	5.00	0.30	0.30	Neutral
	QD-NK-0600-035E-PM	○	●	K	5.00	6.00	0.35	0.35	Neutral
	QD-NK-0600-035M-PM	○	●	K	5.00	6.00	0.35	0.35	Neutral
	QD-NK-0635-035E-PM	○	●	K	5.00	6.35	0.35	0.35	Neutral
	QD-NK-0635-035M-PM	○	●	K	5.00	6.35	0.35	0.35	Neutral

CoroMill® QD, insert for grooving



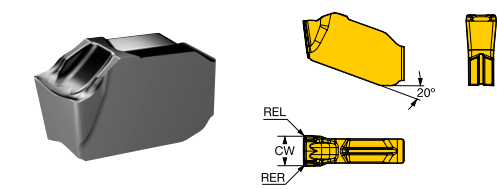
Metric (mm)

		P								
Ordering code		4340	1230	SSC	S [mm]	CW [mm]	RER [mm]	REL [mm]	HAND	
Heavy PH	QD-NE-0200-035M-PH	●	○	E	3.10	2.00	0.35	0.35	Neutral	
	QD-NF-0239-035M-PH	●	○	F	3.10	2.39	0.35	0.35	Neutral	
	QD-NF-0250-035M-PH	●	○	F	3.10	2.50	0.35	0.35	Neutral	
	QD-NG-0300-035M-PH	●	○	G	3.10	3.00	0.35	0.35	Neutral	
	QD-NG-0318-035M-PH	●	○	G	3.10	3.18	0.35	0.35	Neutral	
	QD-NH-0400-040M-PH	●	○	H	4.00	4.00	0.40	0.40	Neutral	
	QD-NJ-0476-045M-PH	●	○	J	5.00	4.76	0.45	0.45	Neutral	
	QD-NJ-0500-045M-PH	●	○	J	5.00	5.00	0.45	0.45	Neutral	
	QD-NK-0600-050M-PH	●	○	K	5.00	6.00	0.50	0.50	Neutral	
	QD-NK-0635-050M-PH	●	○	K	5.00	6.35	0.50	0.50	Neutral	

● = First choice ○ = Good choice



CoroMill® QD, insert for grooving

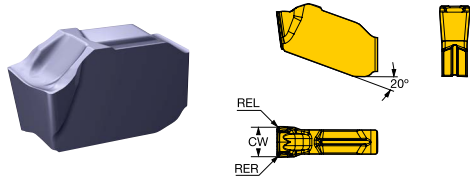


Metric (mm)

		P S M											
Ordering code		1040	2040	1040	2040	1040	2040	SSC	S [mm]	CW [mm]	RER [mm]	REL [mm]	HAND
Light ML	QD-NE-0200-020E-ML	○	○	○	●	●	○	E	3.10	2.00	0.20	0.20	Neutral
	QD-NF-0239-020E-ML	○	○	○	●	●	○	F	3.10	2.39	0.20	0.20	Neutral
	QD-NF-0250-020E-ML	○	○	○	●	●	○	F	3.10	2.50	0.20	0.20	Neutral
	QD-NG-0300-020E-ML	○	○	○	●	●	○	G	3.10	3.00	0.20	0.20	Neutral
	QD-NG-0318-020E-ML	○	○	○	●	●	○	G	3.10	3.18	0.20	0.20	Neutral
	QD-NH-0400-025E-ML	○	○	○	●	●	○	H	4.00	4.00	0.25	0.25	Neutral
	QD-NJ-0476-030E-ML	○	○	○	●	●	○	J	5.00	4.76	0.30	0.30	Neutral
	QD-NJ-0500-030E-ML	○	○	○	●	●	○	J	5.00	5.00	0.30	0.30	Neutral
	QD-NK-0600-035E-ML	○	○	○	●	●	○	K	5.00	6.00	0.35	0.35	Neutral
	QD-NK-0635-035E-ML	○	○	○	●	●	○	K	5.00	6.35	0.35	0.35	Neutral

● = First choice ○ = Good choice

CoroMill® QD, insert for grooving

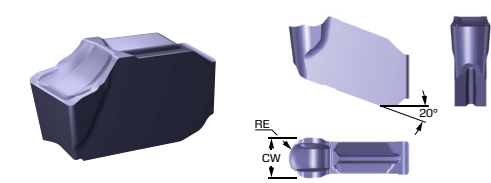


Metric (mm)

		P				S				M								
		Ordering code				1230	S30T	S40T	1230	S30T	S40T	1230	SSC	S [mm]	CW [mm]	RER [mm]	REL [mm]	HAND
Medium SM	QD-NE-0200-020E-SM	●	●	○	○	○	○	○	○	E	3.10	2.00	0.20	0.20	Neutral			
	QD-NF-0239-020E-SM	●	●	○	○	○	○	○	F	3.10	2.39	0.20	0.20	Neutral				
	QD-NF-0250-020E-SM	●	●	○	○	○	○	○	F	3.10	2.50	0.20	0.20	Neutral				
	QD-NG-0300-020E-SM	●	●	○	○	○	○	○	G	3.10	3.00	0.20	0.20	Neutral				
	QD-NG-0318-020E-SM	●	●	○	○	○	○	○	G	3.10	3.18	0.20	0.20	Neutral				
	QD-NH-0400-025E-SM	●	●	○	○	○	○	○	H	4.00	4.00	0.25	0.25	Neutral				
	QD-NJ-0476-030E-SM	●	●	○	○	○	○	○	J	5.00	4.76	0.30	0.30	Neutral				
	QD-NJ-0500-030E-SM	●	●	○	○	○	○	○	J	5.00	5.00	0.30	0.30	Neutral				
	QD-NK-0600-035E-SM	●	●	○	○	○	○	○	K	5.00	6.00	0.35	0.35	Neutral				
	QD-NK-0635-035E-SM	●	●	○	○	○	○	○	K	5.00	6.35	0.35	0.35	Neutral				



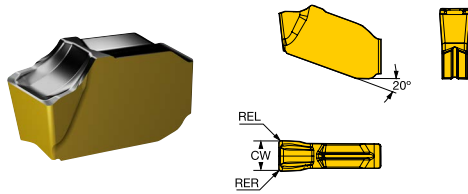
CoroMill® QD, insert for grooving



Metric (mm)

		P					
Ordering code		1230	SSC	S [mm]	RE [mm]	CW [mm]	HAND
Medium PM	QD-NE-0200-100E-PM	●	E	3.10	1.0	2.00	Neutral
	QD-NG-0300-150E-PM	●	G	3.10	1.5	3.00	Neutral
	QD-NG-0318-159E-PM	●	G	3.10	1.6	3.18	Neutral
	QD-NH-0400-200E-PM	●	H	4.00	2.0	4.00	Neutral
	QD-NK-0600-300E-PM	●	K	5.00	3.0	6.00	Neutral
	QD-NK-0635-318E-PM	●	K	5.00	3.2	6.35	Neutral

CoroMill® QD, insert for grooving



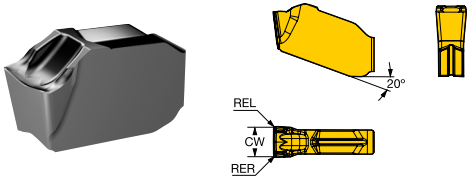
Metric (mm)

		K							
Ordering code		1020	3330	SSC	S [mm]	CW [mm]	RER [mm]	REL [mm]	HAND
Light	KL	QD-NE-0200-020E-KL	● ○	E	3.10	2.00	0.20	0.20	Neutral
		QD-NF-0239-020E-KL	● ○	F	3.10	2.39	0.20	0.20	Neutral
		QD-NF-0250-020E-KL	● ○	F	3.10	2.50	0.20	0.20	Neutral
		QD-NG-0300-020E-KL	● ○	G	3.10	3.00	0.20	0.20	Neutral
		QD-NG-0318-020E-KL	● ○	G	3.10	3.18	0.20	0.20	Neutral
		QD-NH-0400-025E-KL	● ○	H	4.00	4.00	0.25	0.25	Neutral
		QD-NJ-0476-030E-KL	● ○	J	5.00	4.76	0.30	0.30	Neutral
		QD-NJ-0500-030E-KL	● ○	J	5.00	5.00	0.30	0.30	Neutral
		QD-NK-0600-035E-KL	● ○	K	5.00	6.00	0.35	0.35	Neutral
		QD-NK-0635-035E-KL	● ○	K	5.00	6.35	0.35	0.35	Neutral

● = First choice ○ = Good choice



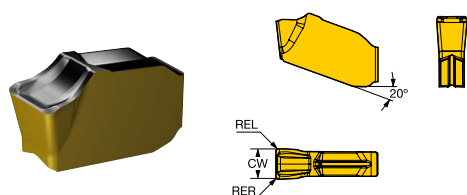
CoroMill® QD, insert for grooving



Metric (mm)

			P		S		M							
Ordering code			1040	2040	1040	2040	1040	2040	SSC	S [mm]	CW [mm]	RER [mm]	REL [mm]	HAND
Medium	MM	QD-NE-0200-020E-MM	○	○	○	●	●	○	E	3.10	2.00	0.20	0.20	Neutral
		QD-NF-0239-020E-MM	○	○	○	●	●	○	F	3.10	2.39	0.20	0.20	Neutral
		QD-NF-0250-020E-MM	○	○	○	●	●	○	F	3.10	2.50	0.20	0.20	Neutral
		QD-NG-0300-020E-MM	○	○	○	●	●	○	G	3.10	3.00	0.20	0.20	Neutral
		QD-NG-0318-020E-MM	○	○	○	●	●	○	G	3.10	3.18	0.20	0.20	Neutral
		QD-NH-0400-025E-MM	○	○	○	●	●	○	H	4.00	4.00	0.25	0.25	Neutral
		QD-NJ-0476-030E-MM	○	○	○	●	●	○	J	5.00	4.76	0.30	0.30	Neutral
		QD-NJ-0500-030E-MM	○	○	○	●	●	○	J	5.00	5.00	0.30	0.30	Neutral
		QD-NK-0600-035E-MM	○	○	○	●	●	○	K	5.00	6.00	0.35	0.35	Neutral
		QD-NK-0635-035E-MM	○	○	○	●	●	○	K	5.00	6.35	0.35	0.35	Neutral

CoroMill® QD, insert for grooving



Metric (mm)

		K								
Ordering code		1020	3330	SSC	S [mm]	CW [mm]	RER [mm]	REL [mm]	HAND	
Medium KM	QD-NE-0200-035M-KM	●	○	E	3.10	2.00	0.35	0.35	Neutral	
	QD-NF-0239-035M-KM	●	○	F	3.10	2.39	0.35	0.35	Neutral	
	QD-NF-0250-035M-KM	●	○	F	3.10	2.50	0.35	0.35	Neutral	
	QD-NG-0300-035M-KM	●	○	G	3.10	3.00	0.35	0.35	Neutral	
	QD-NG-0318-035M-KM	●	○	G	3.10	3.18	0.35	0.35	Neutral	
	QD-NH-0400-040M-KM	●	○	H	4.00	4.00	0.40	0.40	Neutral	
	QD-NJ-0476-045M-KM	●	○	J	5.00	4.76	0.45	0.45	Neutral	
	QD-NJ-0500-045M-KM	●	○	J	5.00	5.00	0.45	0.45	Neutral	
	QD-NK-0600-050M-KM	●	○	K	5.00	6.00	0.50	0.50	Neutral	
	QD-NK-0635-050M-KM	●	○	K	5.00	6.35	0.50	0.50	Neutral	



Read more about CoroMill® 327:
sandvik.coromant.com/coromill327



CoroMill® 327

Groove and thread milling cutters

A versatile cutter designed for machining many types of grooves, threads and chamfers. It is suitable for producing eccentric components such as gearbox casings and high-volume assemblies, mainly on machining centres and rotating units on lathes.

Application

- Pitch 1–4.5 mm (24–5 threads per inch)
- V-profile 60° (partial profile)
- Metric 60° (full profile)
- Whitworth 55° (full profile)
- UN 60°
- Circlip grooving, thread milling, groove milling and chamfering, both front and back



P M K N S
ISO application areas

Features and benefits

- Low cutting forces and sharp cutting edges for high quality grooves without burr
- Multiple edges for highly productive and economic machining
- Large programme with different shank lengths and diameters
- Large programme of inserts covering for instance circlips, O-rings, slots and threads
- Weldon shank in steel and carbide with different lengths

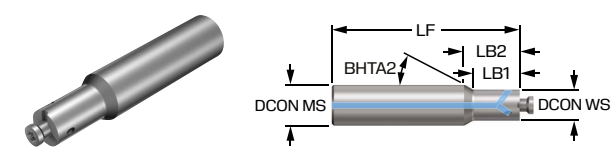
One tool, endless groove possibilities

Ideal for machining grooves, threads, chamfers and complex features in high-volume setups. With sharp cutting edges, low forces and multiple insert options, it ensures high-quality results and productive performance across applications.





Adaptor with cylindrical shank coupling to CoroMill® 327



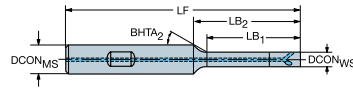
Metric (mm)

Ordering code	DCON _{MS} [mm]	DCON _{WS} [mm]	LF [mm]	LB ₁ [mm]	LB ₂ [mm]	CN _{SC}	CX _{SC}	BD ₁ [mm]	BD ₂ [mm]	BHTA ₂ [deg]
327-16A24SC-12	16.00	12.00	74.30	18.3	22.3	1	3	12.0	12.0	30.0
327-16A42EC-12	16.00	12.00	94.30	36.3	40.3	1	3	12.0	12.0	30.0
327-16A42EC-14	16.00	14.30	93.50	35.5	37.5	1	3	14.3	14.3	30.0
327-20A35SC-14	20.00	14.30	93.50	29.2	34.9	1	3	14.0	14.0	30.0

Common data values

CP [bar]	TQ [Nm]
20	6.5

Adaptor with Weldon coupling to CoroMill® 327



Common data values

CP
[bar]

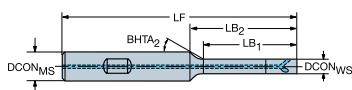
20

Metric (mm)

Ordering code	DCON _{MS} [mm]	DCON _{WS} [mm]	LF [mm]	LB ₁ [mm]	LB ₂ [mm]	CNSC	CXSC	BD ₁ [mm]	BD ₂ [mm]	BHTA ₂ [deg]	TQ [Nm]	RPMX [1/min]
327-12B15SC-06	12.00	6.00	70.50	11.5	17.2	1	3	6.0	6.0	30.0	1.8	40000
327-12B21EC-06	12.00	6.00	76.50	17.5	23.2	1	3	6.0	6.0	30.0	1.8	40000
327-12B30EC-06	12.00	6.00	86.50	26.5	32.2	1	3	6.0	6.0	30.0	1.8	40000
327-12B42EC-06	12.00	6.00	96.50	38.5	44.2	1	3	6.0	6.0	30.0	1.8	40000
327-16B18SC-09	16.00	9.00	74.25	12.3	18.8	1	3	9.0	9.0	30.0	4.3	40000
327-16B24SC-12	16.00	12.00	74.30	18.3	22.3	1	3	12.0	12.0	30.0	6.5	40000
327-16B32EC-09	16.00	9.00	94.25	26.3	32.8	1	3	9.0	9.0	30.0	4.3	40000
327-16B42EC-12	16.00	12.00	94.30	36.3	40.3	1	3	12.0	12.0	30.0	6.5	40000
327-16B42EC-14	16.00	14.30	93.50	35.5	37.5	1	3	14.3	16.0	30.0	6.5	40000
327-16B45EC-09	16.00	9.00	104.25	39.3	45.8	1	3	9.0	9.0	30.0	4.3	40000
327-16B60EC-12	16.00	12.00	124.30	54.3	58.3	1	3	12.0	12.0	30.0	6.5	35000
327-16B60EC-14	16.00	14.30	123.50	53.5	55.5	1	3	14.3	14.3	30.0	6.5	35000
327-16B64EC-09	16.00	9.00	124.25	58.3	64.8	1	3	9.0	9.0	30.0	4.3	40000
327-16B85EC-12	16.00	12.00	154.30	79.3	83.3	1	3	12.0	12.0	30.0	6.5	30000
327-16B85EC-14	16.00	14.30	153.50	78.5	80.5	1	3	14.3	14.3	30.0	6.5	27000
327-20B35SC-14	20.00	14.30	93.50	28.5	33.2	1	3	14.0	14.0	30.0	6.5	40000



Adaptor with Weldon coupling to CoroMill® 327



Common data values

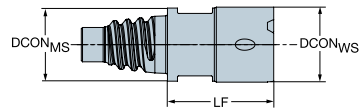
CP
[lbf/in2]

290

Imperial (inch)

Ordering code	DCON _{MS} [inch]	DCON _{WS} [inch]	LF [inch]	LB ₁ [inch]	LB ₂ [inch]	CNSC	CXSC	BD ₁ [inch]	BD ₂ [inch]	BHTA ₂ [deg]	TQ [ft]	RPMX [1/min]
A327-13B21EC-06	0.500	0.236	3.012	0.689	0.939	1	1	0.236	0.236	30.0	1.3	40000
A327-13B30EC-06	0.500	0.236	3.405	1.043	1.293	1	1	0.236	0.236	30.0	1.3	40000
A327-13B42EC-06	0.500	0.236	3.799	1.516	1.766	1	1	0.236	0.236	30.0	1.3	40000
A327-16B18SC-09	0.625	0.354	2.923	0.482	0.738	1	1	0.354	0.354	30.0	3.2	40000
A327-16B24SC-12	0.625	0.472	2.923	0.720	0.871	1	1	0.472	0.472	30.0	4.8	40000
A327-16B32EC-09	0.625	0.354	3.711	1.033	1.289	1	1	0.354	0.354	30.0	3.2	40000
A327-16B42EC-12	0.625	0.472	3.713	1.429	1.583	1	1	0.472	0.472	30.0	4.8	40000
A327-16B42EC-14	0.625	0.563	3.681	1.398	1.473	1	1	0.563	0.563	30.0	4.8	40000
A327-16B45EC-09	0.625	0.354	4.105	1.545	1.801	1	1	0.354	0.354	30.0	3.2	40000
A327-16B60EC-12	0.625	0.472	4.894	2.138	2.288	1	1	0.472	0.472	30.0	4.8	40000
A327-16B60EC-14	0.625	0.563	4.862	2.106	2.181	1	1	0.563	0.563	30.0	4.8	35000
A327-16B64EC-09	0.625	0.354	4.892	2.293	2.549	1	1	0.354	0.354	30.0	3.2	40000
A327-16B85EC-12	0.625	0.472	6.075	3.122	3.272	1	1	0.472	0.472	30.0	4.8	30000
A327-16B85EC-14	0.625	0.563	6.043	3.090	3.165	1	1	0.563	0.563	30.0	4.8	27000

Adaptor with Coromant® EH coupling to CoroMill® 327



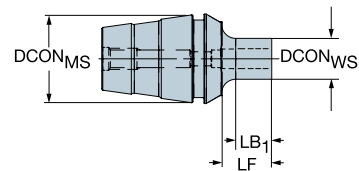
Common data values

CP
[bar]
20

Metric (mm)

Ordering code	DCON _{MS} [mm]	DCON _{WS} [mm]	LF [mm]	LB ₁ [mm]	CNSC	CXSC	BD ₁ [mm]	TQ [Nm]	RPMX [1/min]
327-EH10-09-015	9.70	9.00	15.00	15.0	1	3	10.0	4.3	40000
327-EH12-12-017	11.70	12.00	17.00	17.0	1	3	12.0	6.5	40000
327-EH12-14-017	11.70	14.30	17.00	17.0	1	3	14.3	6.5	40000

Machine side interface DIN 6499-B



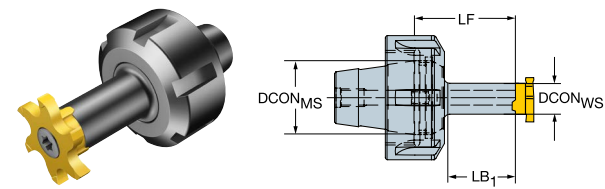
Metric (mm)

Ordering code	DCON _{MS} [mm]	DCON _{WS} [mm]	LF [mm]	LB ₁ [mm]	BD ₁ [mm]	TQ [Nm]	RPMX [1/min]
327-ER11-06-016	11.40	6.00	17.50	12.8	6.0	1.8	40000
327-ER20-09-022	21.00	9.00	24.65	16.5	9.0	4.3	40000
327-ER25-09-022	26.00	9.00	25.15	16.5	9.0	4.3	32000
327-ER25-12-030	26.00	12.00	33.20	24.6	12.0	6.5	32000
327-ER25-14-019	26.00	14.30	22.90	14.3	14.0	6.5	32000
327-ER25-14-035	26.00	14.30	37.40	28.8	14.0	6.5	32000
327-ER32-12-030	33.00	12.00	34.20	24.6	12.0	6.5	25000
327-ER32-14-019	33.00	14.30	23.90	14.3	14.0	6.5	25000



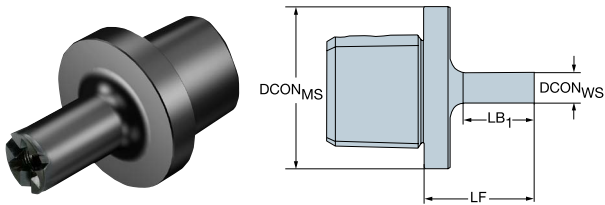
Adaptor with ER coupling to CoroMill® 327

Machine side interface DIN 6499-B



Metric (mm)

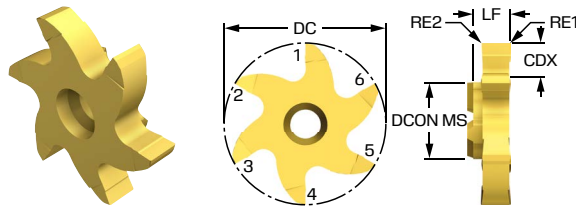
Ordering code	DCON _{MS} [mm]	DCON _{WS} [mm]	LF [mm]	LB ₁ [mm]	BD ₁ [mm]	TQ [Nm]	RPMX [1/min]
392.ER327-11 09 022	11.40	9.00	24.98	16.0	9.0	4.3	40000
392.ER327-16 09 022	17.00	9.00	26.78	16.3	9.0	4.3	40000
392.ER327-16 12 030	17.00	12.00	34.83	24.3	12.0	6.5	40000
392.ER327-20 12 030	21.00	12.00	34.65	24.8	12.0	6.5	40000
392.ER327-20 14 035	21.00	14.30	38.85	28.8	14.0	6.5	40000
392.ER327-32 14 035	33.00	14.30	41.25	28.8	14.0	6.5	25000



Metric (mm)

Ordering code	DCON _{MS} [mm]	DCON _{WS} [mm]	LF [mm]	LB ₁ [mm]	LB ₂ [mm]	BD ₁ [mm]	BD ₂ [mm]	TQ [Nm]	RPMX [1/min]
C3-391.327-09 035	32.00	9.00	35.00	22.0	35.0	9.0	32.0	4.3	55000
C4-391.327-09 035	40.00	9.00	35.00	22.0	35.0	9.0	40.0	4.3	39000
C5-391.327-06 029	50.00	6.00	29.00	16.0	29.0	6.0	50.0	1.8	28000
C5-391.327-09 035	50.00	9.00	35.00	22.0	35.0	9.0	50.0	4.3	28000

CoroMill® 327, solid carbide head for grooving



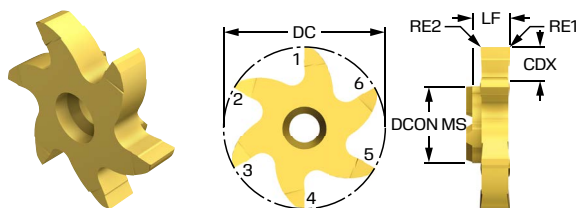
Metric (mm)

	P	S	K	M	N									
Ordering code	1025	1025	1025	1025	1025	CW [mm]	CDX [mm]	DC [mm]	LF [mm]	DCON _{MS} [mm]	ZEFP	CWTOLL [mm]	CWTOLU [mm]	RPMX [1/min]
327R06-10 10000-GM	○	○	○	○	○	1.00	1.5	9.70	3.50	6.00	3	0.000	0.020	50000
327R06-10 15002-GM	○	○	○	○	○	1.50	1.5	9.70	3.50	6.00	3	0.000	0.020	50000
327R06-10 20002-GM	○	○	○	○	○	2.00	1.5	9.70	3.50	6.00	3	0.000	0.020	50000
327R06-10 25002-GM	○	○	○	○	○	2.50	1.5	9.70	3.50	6.00	3	0.000	0.020	50000
327R09-18 15001-GMM	○	○	○	○	○	1.50	3.5	17.70	5.75	9.00	6	0.000	0.020	50000
327R09-18 15002-GM	○	○	○	○	○	1.50	3.5	17.70	5.75	9.00	3	0.000	0.020	50000
327R09-18 20002-GM	○	○	○	○	○	2.00	3.5	17.70	5.75	9.00	3	0.000	0.020	50000
327R09-18 20002-GMM	○	○	○	○	○	2.00	3.5	17.70	5.75	9.00	6	0.000	0.020	50000
327R09-18 25002-GM	○	○	○	○	○	2.50	3.5	17.70	5.75	9.00	3	0.000	0.020	50000
327R09-18 25002-GMM	○	○	○	○	○	2.50	3.5	17.70	5.75	9.00	6	0.000	0.020	50000
327R09-18 30002-GM	○	○	○	○	○	3.00	3.5	17.70	5.75	9.00	3	0.000	0.020	50000
327R09-18 30002-GMM	○	○	○	○	○	3.00	3.5	17.70	5.75	9.00	6	0.000	0.020	50000
327R12-22 15002-GM	○	○	○	○	○	1.50	4.5	21.70	5.70	12.00	3	0.000	0.020	50000
327R12-22 20002-GM	○	○	○	○	○	2.00	4.5	21.70	5.70	12.00	3	0.000	0.020	50000
327R12-22 25002-GM	○	○	○	○	○	2.50	4.5	21.70	5.70	12.00	3	0.000	0.020	50000
327R12-22 30002-GM	○	○	○	○	○	3.00	4.5	21.70	5.70	12.00	3	0.000	0.020	50000
327R12-22 40002-GM	○	○	○	○	○	4.00	4.5	21.70	5.70	12.00	3	0.000	0.020	50000
327R12-28 15001-GMM	○	○	○	○	○	1.50	6.5	27.70	6.45	12.00	6	0.000	0.020	50000
327R12-28 20002-GMM	○	○	○	○	○	2.00	6.4	27.70	6.40	12.00	6	0.000	0.020	50000
327R12-28 25002-GMM	○	○	○	○	○	2.50	6.5	27.70	6.25	12.00	6	0.000	0.020	50000
327R12-28 30002-GMM	○	○	○	○	○	3.00	6.5	27.70	6.25	12.00	6	0.000	0.020	50000
327R12-28 40002-GMM	○	○	○	○	○	4.00	6.5	27.70	6.25	12.00	6	0.000	0.020	50000
327R12-2830002-GLM	○	○	○	○	○	3.00	6.5	27.70	6.40	12.00	6	-0.010	0.010	50000
327R12-2840002-GLM	○	○	○	○	○	4.00	6.5	27.70	6.40	12.00	6	-0.010	0.010	50000
327R12-2850002-GLM	○	○	○	○	○	5.00	6.5	27.70	6.40	12.00	6	-0.010	0.010	50000
327R12-2850002-GMM	○	○	○	○	○	5.00	6.5	27.70	6.40	12.00	6	0.000	0.020	50000
327R12-2860002-GLM	○	○	○	○	○	6.00	6.5	27.70	6.40	12.00	6	-0.010	0.010	50000
327R12-2860002-GMM	○	○	○	○	○	6.00	6.5	27.70	6.40	12.00	6	0.000	0.020	50000
327R14-28 15000-GM	○	○	○	○	○	1.50	6.5	27.70	6.50	14.30	3	0.000	0.020	50000
327R14-28 20002-GM	○	○	○	○	○	2.00	6.5	27.70	6.50	14.30	3	0.000	0.020	50000

● = First choice ○ = Good choice



CoroMill® 327, solid carbide head for grooving



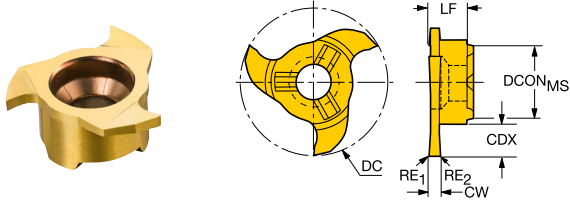
Metric (mm)

	P	S	K	M	N									
Ordering code	1025	1025	1025	1025	1025	CW [mm]	CDX [mm]	DC [mm]	LF [mm]	DCON _{MS} [mm]	ZEFP	CWTOLL [mm]	CWTOLU [mm]	RPMX [1/min]
327R14-28 25002-GM	○	○	○	○	○	2.50	6.5	27.70	6.50	14.30	3	0.000	0.020	50000
327R14-28 30002-GM	○	○	○	○	○	3.00	6.5	27.70	6.50	14.30	3	0.000	0.020	50000
327R14-28 35002-GM	○	○	○	○	○	3.50	6.5	27.70	6.50	14.30	3	0.000	0.020	50000
327R14-28 40002-GM	○	○	○	○	○	4.00	6.5	27.70	6.50	14.30	3	0.000	0.020	50000
327R14-2850002-GM	○	○	○	○	○	5.00	6.5	27.70	6.60	14.30	3	0.000	0.020	50000
327R14-2860002-GM	○	○	○	○	○	6.00	6.5	27.70	6.60	14.30	3	0.000	0.020	50000
327R14-35 15001-GMM	○	○	○	○	○	1.50	10.0	34.70	6.25	14.30	6	0.000	0.020	50000
327R14-35 20002-GMM	○	○	○	○	○	2.00	10.0	34.70	6.25	14.30	6	0.000	0.020	50000
327R14-35 25002-GMM	○	○	○	○	○	2.50	10.0	34.70	6.25	14.30	6	0.000	0.020	50000
327R14-35 30002-GMM	○	○	○	○	○	3.00	10.0	34.70	6.25	14.30	6	0.000	0.020	50000

● = First choice ○ = Good choice

CoroMill® 327, solid carbide head for grooving

For circlip grooves



Common data values

ZEFP

3

Metric (mm)

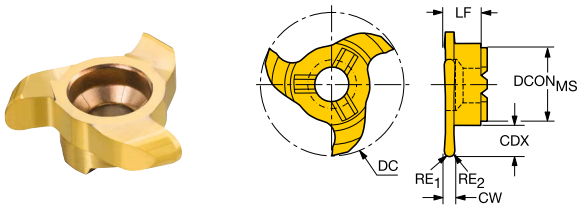
	P S K M N												
Ordering code	1025	1025	1025	1025	1025	CW [mm]	CDX [mm]	DC [mm]	LF [mm]	DCON _{MS} [mm]	CWTOLL [mm]	CWTOLU [mm]	RPMX [1/min]
327R06-10 07000-GM	○	○	○	○	○	0.70	1.5	9.70	3.50	6.00	0.050	0.070	50000
327R06-10 08000-GM	○	○	○	○	○	0.80	1.5	9.70	3.50	6.00	0.050	0.070	50000
327R06-10 09000-GM	○	○	○	○	○	0.90	1.5	9.70	3.50	6.00	0.050	0.070	50000
327R06-10 11000-GM	○	○	○	○	○	1.10	1.5	9.70	3.50	6.00	0.090	0.110	50000
327R06-10 13000-GM	○	○	○	○	○	1.30	1.5	9.70	3.50	6.00	0.090	0.110	50000
327R06-10 16000-GM	○	○	○	○	○	1.60	1.5	9.70	3.50	6.00	0.090	0.110	50000
327R09-18 11000-GM	○	○	○	○	○	1.10	3.5	17.70	5.75	9.00	0.090	0.110	50000
327R09-18 13000-GM	○	○	○	○	○	1.30	3.5	17.70	5.75	9.00	0.090	0.110	50000
327R09-18 16000-GM	○	○	○	○	○	1.60	3.5	17.70	5.75	9.00	0.090	0.110	50000
327R12-22 16000-GM	○	○	○	○	○	1.60	4.5	21.70	5.70	12.00	0.090	0.110	50000
327R12-22 18502-GM	○	○	○	○	○	1.85	4.5	21.70	5.70	12.00	0.090	0.110	50000
327R12-22 21502-GM	○	○	○	○	○	2.15	4.5	21.70	5.70	12.00	0.090	0.110	50000
327R12-22 26502-GM	○	○	○	○	○	2.65	4.5	21.70	5.70	12.00	0.090	0.110	50000
327R12-22 31502-GM	○	○	○	○	○	3.15	4.5	21.70	5.70	12.00	0.090	0.110	50000
327R12-22 41502-GM	○	○	○	○	○	4.15	4.5	21.70	5.70	12.00	0.090	0.110	50000
327R12-22 51502-GM	○	○	○	○	○	5.15	4.5	21.70	5.70	12.00	0.090	0.110	50000

● = First choice ○ = Good choice



CoroMill® 327, solid carbide head for grooving

For full radius grooves



Common data values

ZEFP

3

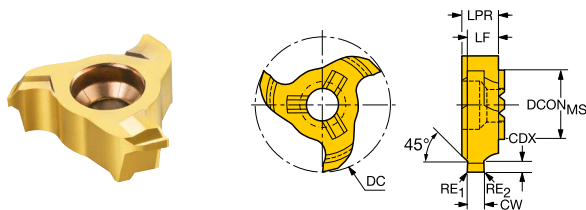
Metric (mm)

	P	S	K	M	N							
Ordering code	1025	1025	1025	1025	1025	CW [mm]	CDX [mm]	DC [mm]	LF [mm]	DCON _{MS} [mm]	CWTOLU [mm]	RPMX [1/min]
327R06-12 22011-RM	○	○	○	○	○	2.20	2.5	11.70	3.50	6.00	0.030	50000
327R09-18 22011-RM	○	○	○	○	○	2.20	3.5	17.70	5.75	9.00	0.030	50000
327R12-22 10005-RM	○	○	○	○	○	1.00	4.5	21.70	5.75	12.00	0.030	50000
327R12-22 20010-RM	○	○	○	○	○	2.00	4.5	21.70	5.75	12.00	0.030	50000
327R12-22 30015-RM	○	○	○	○	○	3.00	4.5	21.70	5.75	12.00	0.030	50000
327R12-22 40020-RM	○	○	○	○	○	4.00	4.5	21.70	5.75	12.00	0.030	50000

● = First choice ○ = Good choice

CoroMill® 327, solid carbide head for grooving

Circlip grooves with chamfer



Common data values

ZEFP

3

Metric (mm)

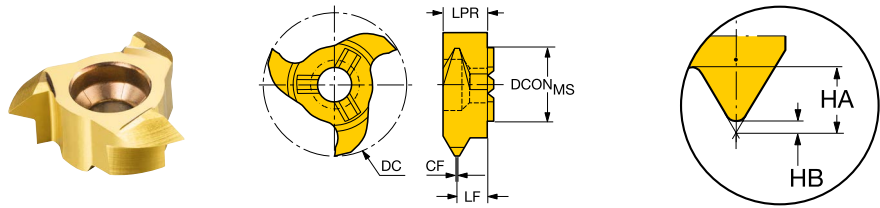
	P S K M N												
Ordering code	1025	1025	1025	1025	1025	CW [mm]	CDX [mm]	DC [mm]	LF [mm]	DCON _{MS} [mm]	CWTOLL [mm]	CWTOLU [mm]	RPMX [1/min]
327R12-22 11045-GC	○	○	○	○	○	1.10	0.5	21.70	5.07	12.00	0.090	0.110	50000
327R12-22 13045-GC	○	○	○	○	○	1.30	0.7	21.70	5.17	12.00	0.090	0.110	50000
327R12-22 16045-GC	○	○	○	○	○	1.60	1.0	21.70	5.17	12.00	0.090	0.110	50000
327R12-22 18545-GC	○	○	○	○	○	1.85	1.3	21.70	5.19	12.00	0.090	0.110	50000
327R12-22 21545-GC	○	○	○	○	○	2.15	1.5	21.70	5.34	12.00	0.090	0.110	50000
327R12-22 26545-GC	○	○	○	○	○	2.65	1.5	21.70	5.09	12.00	0.090	0.110	50000
327R12-22 31545-GC	○	○	○	○	○	3.15	1.8	21.70	5.34	12.00	0.090	0.110	50000
327R12-22 41545-GC	○	○	○	○	○	4.15	2.0	21.70	5.34	12.00	0.090	0.110	50000

● = First choice ○ = Good choice



CoroMill® 327, solid carbide head for thread milling

For internal threads. V-profile 60° non-topping



Common data values

RPMX
[1/min]
80000

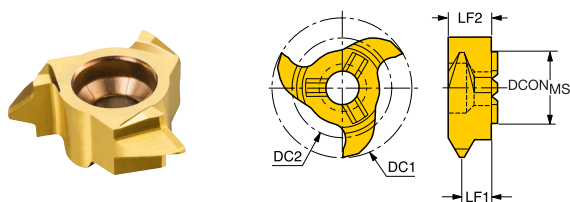
Metric (mm)

	P	S	K	M	N												
Ordering code	1025	1025	1025	1025	1025	DC [mm]	DCON _{MS} [mm]	HA [mm]	HB [mm]	LF [mm]	LPR [mm]	OAL [mm]	TPN [mm]	TPIN	TPIX	ZEFP	APMX [mm]
327R06-12 100VM-TH	○	○	○	○	○	11.70	6.00	1.37	0.12	2.80	3.6	3.60	1.00	12	24	3	1.2
327R06-12 250VM-TH	○	○	○	○	○	11.70	6.00	2.00	0.31	2.20	3.6	3.60	2.50	8	10	3	1.7
327R09-18 100VM-TH	○	○	○	○	○	17.70	9.00	1.37	0.12	4.70	5.8	5.85	1.00	12	24	3	1.2
327R09-18 100VM-THM	○	○	○	○	○	17.70	9.00	1.37	0.12	5.00	5.8	5.85	1.00	12	24	6	1.2
327R09-18 250VM-TH	○	○	○	○	○	17.70	9.00	2.88	0.31	4.20	5.8	5.85	2.50	7	10	3	2.6
327R09-18 250VM-THM	○	○	○	○	○	17.70	9.00	2.88	0.31	4.30	5.8	5.85	2.50	7	10	6	2.6
327R12-22 100VM-TH	○	○	○	○	○	21.70	12.00	1.37	0.12	4.60	5.8	5.80	1.00	12	24	3	1.2
327R12-22 100VM-THM	○	○	○	○	○	21.70	12.00	1.37	0.12	5.10	6.3	6.35	1.00	12	24	6	1.2
327R12-22 250VM-TH	○	○	○	○	○	21.70	12.00	2.88	0.31	3.70	5.6	5.60	2.50	5	10	3	2.6
327R12-22 250VM-THM	○	○	○	○	○	21.70	12.00	2.88	0.31	4.20	6.1	6.05	2.50	5	10	6	2.6

● = First choice ○ = Good choice

CoroMill® 327, solid carbide head for thread milling

For internal threads. Whitworth 55° full form



Common data values

RPMX
[1/min]
80000

Metric (mm)

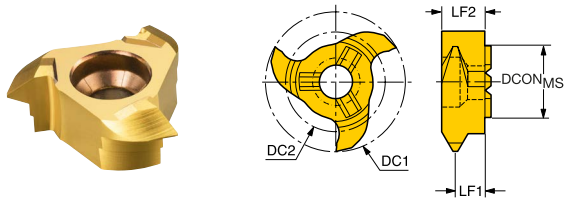
	P	S	K	M	N											
Ordering code	1025	1025	1025	1025	1025	DC ₁ [mm]	DCON _{MS} [mm]	LF ₁ [mm]	LF ₂ [mm]	LB [mm]	BD [mm]	OAL [mm]	TPI	ZEFP	APMX [mm]	KAPR [deg]
327R06-12 11WH-TH	○	○	○	○	○	11.70	6.00	2.00	3.60	2.0	8.7	3.60	11	3	1.5	27.5
327R06-12 14WH-TH	○	○	○	○	○	11.70	6.00	2.30	3.60	2.3	9.4	3.60	14	3	1.2	27.5
327R06-12 19WH-TH	○	○	○	○	○	11.70	6.00	2.45	3.60	2.5	10.0	3.60	19	3	0.9	27.5
327R09-18 11WH-TH	○	○	○	○	○	17.70	9.00	4.40	5.85	4.4	14.7	5.85	11	3	1.5	27.5
327R09-18 14WH-TH	○	○	○	○	○	17.70	9.00	4.65	5.85	4.7	15.4	5.85	14	3	1.2	27.5
327R09-18 19WH-TH	○	○	○	○	○	17.70	9.00	4.85	5.85	4.8	16.0	5.85	19	3	0.9	27.5

● = First choice ○ = Good choice



CoroMill® 327, solid carbide head for thread milling

For internal threads. UN 60° topping



Common data values

RPMX
[1/min]
80000

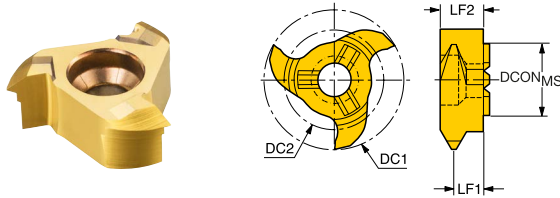
Metric (mm)

	P	S	K	M	N											
Ordering code	1025	1025	1025	1025	1025	DC ₁ [mm]	DCON _{MS} [mm]	LF ₁ [mm]	LF ₂ [mm]	LB [mm]	BD [mm]	OAL [mm]	TPI	ZEFP	APMX [mm]	KAPR [deg]
327R09-18 08UN-TH	○	○	○	○	○	17.70	9.00	4.40	5.85	4.4	14.2	5.85	8	3	1.7	30.0
327R09-18 08UN-THM	○	○	○	○	○	17.70	9.00	4.40	5.85	4.4	14.2	5.85	8	6	1.7	30.0
327R09-18 10UN-TH	○	○	○	○	○	17.70	9.00	4.65	5.85	4.7	15.0	5.85	10	3	1.4	30.0
327R09-18 11UN-TH	○	○	○	○	○	17.70	9.00	4.75	5.85	4.8	15.2	5.85	11	3	1.2	30.0
327R09-18 12UN-TH	○	○	○	○	○	17.70	9.00	4.85	5.85	4.8	15.4	5.85	12	3	1.1	30.0
327R09-18 12UN-THM	○	○	○	○	○	17.70	9.00	4.85	5.85	4.8	15.4	5.85	12	6	1.1	30.0
327R09-18 14UN-TH	○	○	○	○	○	17.70	9.00	4.95	5.85	4.9	15.7	5.85	14	3	1.0	30.0
327R09-18 16UN-TH	○	○	○	○	○	17.70	9.00	5.00	5.85	5.0	16.0	5.85	16	3	0.9	30.0
327R09-18 18UN-TH	○	○	○	○	○	17.70	9.00	5.10	5.85	5.1	16.2	5.85	18	3	0.8	30.0
327R09-18 20UN-TH	○	○	○	○	○	17.70	9.00	5.15	5.85	5.2	16.3	5.85	20	3	0.7	30.0
	P	S	K	M	N											

● = First choice ○ = Good choice

CoroMill® 327, solid carbide head for thread milling

For internal threads. Metric 60° topping



Common data values

RPMX
[1/min]

80000

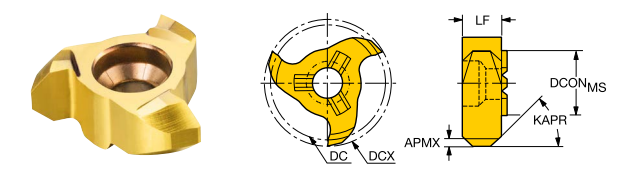
Metric (mm)

	P S K M N															
Ordering code	1025	1025	1025	1025	1025	DC ₁ [mm]	DCON _{MS} [mm]	LF ₁ [mm]	LF ₂ [mm]	LB [mm]	BD [mm]	OAL [mm]	ZEFP	APMX [mm]	KAPR [deg]	
327R09-18 150MM-TH	○	○	○	○	○	17.70	9.00	4.80	5.85	4.8	16.1	5.85	3	0.8	30.0	
327R09-18 150MM-THM	○	○	○	○	○	17.70	9.00	4.80	5.85	4.8	16.1	5.85	6	0.8	30.0	
327R09-18 200MM-TH	○	○	○	○	○	17.70	9.00	4.60	5.85	4.6	15.5	5.85	3	1.1	30.0	
327R09-18 200MM-THM	○	○	○	○	○	17.70	9.00	4.60	5.85	4.6	15.5	5.85	6	1.1	30.0	
327R09-18 300MM-TH	○	○	○	○	○	17.70	9.00	4.30	5.85	4.3	14.5	5.85	3	1.6	30.0	
327R09-18 300MM-THM	○	○	○	○	○	17.70	9.00	4.30	5.85	4.3	14.5	5.85	6	1.6	30.0	
327R09-18 350MM-TH	○	○	○	○	○	17.70	9.00	4.10	5.85	4.1	13.9	5.85	3	1.9	30.0	
327R09-18 350MM-THM	○	○	○	○	○	17.70	9.00	4.10	5.85	4.1	13.9	5.85	6	1.9	30.0	
327R12-22 150MM-TH	○	○	○	○	○	21.70	12.00	4.80	5.85	4.8	20.1	5.85	3	0.8	30.0	
327R12-22 175MM-TH	○	○	○	○	○	21.70	12.00	4.70	5.85	4.7	19.8	5.85	3	0.9	30.0	
327R12-22 200MM-TH	○	○	○	○	○	21.70	12.00	4.60	5.85	4.6	19.5	5.85	3	1.1	30.0	
327R12-22 300MM-TH	○	○	○	○	○	21.70	12.00	4.30	5.85	4.3	18.5	5.85	3	1.6	30.0	
327R12-22 350MM-TH	○	○	○	○	○	21.70	12.00	4.10	5.85	4.1	17.9	5.85	3	1.9	30.0	
327R12-22 400MM-TH	○	○	○	○	○	21.70	12.00	3.90	5.85	3.9	17.4	5.85	3	2.2	30.0	
327R12-22 450MM-TH	○	○	○	○	○	21.70	12.00	3.70	5.85	3.7	16.8	5.85	3	2.4	30.0	

● = First choice ○ = Good choice



CoroMill® 327, solid carbide head for chamfering



Common data values

ZEFP

3

Metric (mm)

	P	S	K	M	N				
Ordering code	1025	1025	1025	1025	1025	DC [mm]	LF [mm]	DCON _{MS} [mm]	RPMX [1/min]
327R06-12 12045-CH	○	○	○	○	○	10.10	3.60	6.00	80000
327R12-22 20045-CH	○	○	○	○	○	18.30	5.85	12.00	80000

● = First choice ○ = Good choice



Read more about CoroMill® 328:
sandvik.coromant.com/coromill328



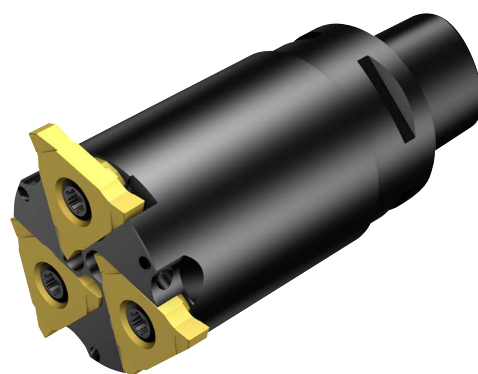
CoroMill® 328

For grooving, threading and chamfering

CoroMill® 328 is a versatile cutter which can be used for many types of grooves, threads and chamfers. It is suitable for machining eccentric components e.g. gearbox casings, and high-volume assemblies, mainly on machining centres and rotating units on lathes.

Application

- Thread milling
- Grooving
- Circlip grooving for holes over diameter 39 mm (1.535 inch)



Features and benefits

- Inserts mounted in pockets for safe and stable mounting
- Economical insert with three edges
- A large programme of inserts covering circlips, slots, threads, etc.
- Low cutting forces
- Sharp precision-ground insert
- Different thread pitches possible with one tool
- Excellent for both internal and external machining
- Comes in four tool holder sizes with the same insert size
- Sharp cutting edges for high quality grooves without burr

P M K N S
ISO application areas

Reliable precision

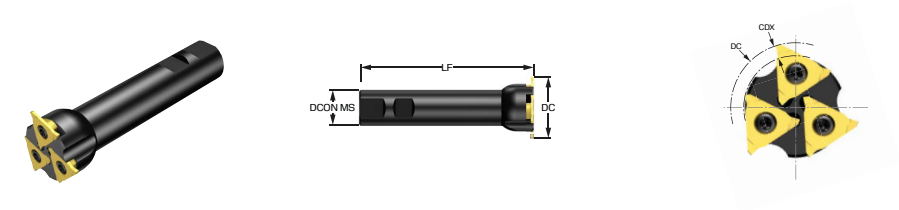
Built for efficient grooving, threading and chamfering in high-volume and eccentric component machining. With sharp, stable inserts and low cutting forces, it delivers burr-free quality and cost-effective performance.





CoroMill® 328, groove milling cutter

Weldon shank - External coolant supply



Metric (mm)

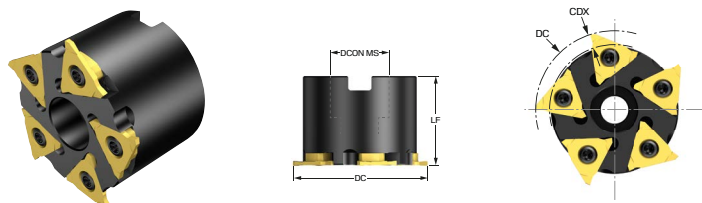
Ordering code	DC [mm]	DCON _{MS} [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	CW [mm]	TQ [Nm]	RPMX [1/min]	STDLET
328-039B25-13M	39.00	25.00	32.0	69.0	125.00	3.0	1.30	6.5	19300	WE
328-044B25-13M	44.00	25.00	34.0	69.0	125.00	4.0	1.30	6.5	17100	WE

Imperial (inch)

Ordering code	DC [inch]	DCON _{MS} [inch]	BD [inch]	LB [inch]	LF [inch]	CDX [inch]	CW [inch]	TQ [ft]	RPMX [1/min]	STDLET
A328-039B19-13M	1.535	0.750	1.260	2.921	4.921	0.118	0.051	4.8	19300	WE
A328-044B19-13M	1.732	0.750	1.339	2.921	4.921	0.157	0.051	4.8	17100	WE

CoroMill® 328, groove milling cutter

Arbor shank - External coolant supply



Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	CW [mm]	TQ [Nm]	RPMX [1/min]	STDLET
328-063Q22-13M	63.00	22.00	51.00	51.0	40.0	40.00	5.0	1.30	6.5	11900	A

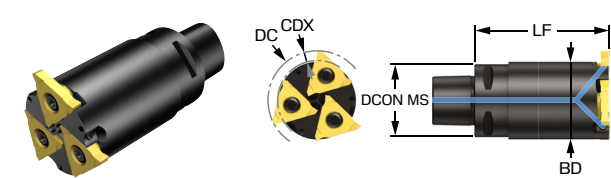
Imperial (inch)

Ordering code	DC [inch]	DCON _{MS} [inch]	DHUB [inch]	BD [inch]	LB [inch]	LF [inch]	CDX [inch]	CW [inch]	TQ [ft]	RPMX [1/min]	STDLET
A328-063Q19-13M	2.480	0.750	2.008	2.008	1.575	1.575	0.197	0.051	4.8	11900	A



CoroMill® 328, groove milling cutter

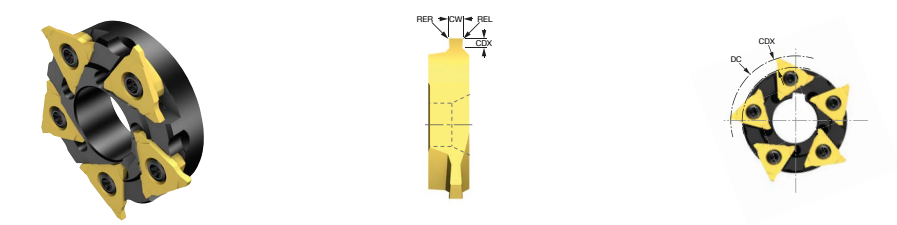
Coromant Capto® - Internal coolant supply



Metric (mm)

Ordering code	DC [mm]	CNSC	DCON _{MS} [mm]	BD [mm]	LF [mm]	CDX [mm]	CW [mm]	RPMX [1/min]
328-044C3-13M	44.00	3	32.00	34.0	60.00	4.0	1.30	17100
328-050C4-13M	50.00	3	40.00	40.0	40.00	4.0	1.30	14900
328-063C5-13M	63.00	3	50.00	50.0	40.00	5.0	1.30	11900

Bore with keyway

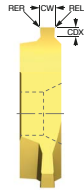
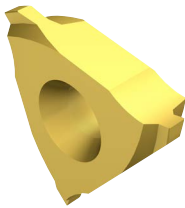


Metric (mm)

Ordering code	DC [mm]	DCON _{MS} [mm]	DHUB [mm]	BD [mm]	LB [mm]	LF [mm]	CDX [mm]	CW [mm]	TQ [Nm]	RPMX [1/min]
328-063S22-13M	63.00	22.00	51.00	51.0	14.0	14.00	5.0	1.30	6.5	11900
328-080S27-13M	80.00	27.00	68.00	68.0	16.0	16.00	5.0	1.30	6.5	9400

CoroMill® 328, insert for groove milling

For circlip grooves and chamfering



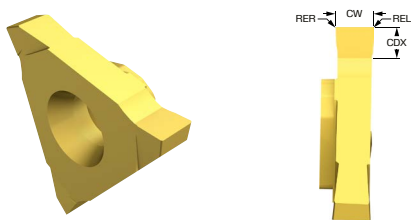
Metric (mm)

	P	S	H	K	M	N										
Ordering code	1025	1025	1025	1025	1025	1025	SSC	CW [mm]	REL [mm]	RER [mm]	CDX [mm]	CWTOLL [mm]	CWTOLU [mm]	RETOLL [mm]	RETOLU [mm]	AN [deg]
328R13-185 45-GC	○	○	○	○	○	○	13	1.85	0.15	0.15	1.3	0.090	0.110	-0.050	0.050	6.0
328R13-215 45-GC	○	○	○	○	○	○	13	2.15	0.15	0.15	1.5	0.090	0.110	-0.050	0.050	6.0
328R13-265 45-GC	○	○	○	○	○	○	13	2.65	0.15	0.15	1.8	0.090	0.110	-0.050	0.050	6.0
328R13-265 4515-GC	○	○	○	○	○	○	13	2.65	0.15	0.15	1.5	0.090	0.110	-0.050	0.050	6.0
328R13-315 45-GC	○	○	○	○	○	○	13	3.15	0.15	0.15	1.8	0.090	0.110	-0.050	0.050	6.0
328R13-415 45-GC	○	○	○	○	○	○	13	4.15	0.15	0.15	2.5	0.090	0.110	-0.050	0.050	6.0
328R13-415 4520-GC	○	○	○	○	○	○	13	4.15	0.15	0.15	2.0	0.090	0.110	-0.050	0.050	6.0
328R13-515 45-GC	○	○	○	○	○	○	13	5.15	0.15	0.15	3.0	0.090	0.110	-0.050	0.050	6.0

● = First choice ○ = Good choice

CoroMill® 328, insert for groove milling

For circlip grooves



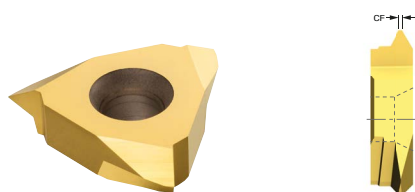
Metric (mm)

	P	S	H	K	M	N										
Ordering code	1025	1025	1025	1025	1025	1025	SSC	CW [mm]	REL [mm]	RER [mm]	CDX [mm]	CWTOLL [mm]	CWTOLU [mm]	RETOLL [mm]	RETOLU [mm]	AN [deg]
328R13-130 00-GM	○	○	○	○	○	○	13	1.30	0.10	0.10	5.0	0.090	0.110	-0.050	0.050	6.0
328R13-160 00-GM	○	○	○	○	○	○	13	1.60	0.10	0.10	5.0	0.090	0.110	-0.050	0.050	6.0
328R13-185 02-GM	○	○	○	○	○	○	13	1.85	0.15	0.15	5.0	0.090	0.110	-0.050	0.050	6.0
328R13-20002-GM	○	○	○	○	○	○	13	2.00	0.20	0.20	5.0	-0.020	0.000	-0.050	0.000	6.0
328R13-215 02-GM	○	○	○	○	○	○	13	2.15	0.15	0.15	5.0	0.090	0.110	-0.050	0.050	6.0
328R13-25002-GM	○	○	○	○	○	○	13	2.50	0.20	0.20	5.0	-0.020	0.000	-0.050	0.000	6.0
328R13-265 02-GM	○	○	○	○	○	○	13	2.65	0.15	0.15	5.0	0.090	0.110	-0.050	0.050	6.0
328R13-30002-GM	○	○	○	○	○	○	13	3.00	0.20	0.20	5.0	-0.020	0.000	-0.050	0.000	6.0
328R13-315 02-GM	○	○	○	○	○	○	13	3.15	0.15	0.15	5.0	0.090	0.110	-0.050	0.050	6.0
328R13-40002-GM	○	○	○	○	○	○	13	4.00	0.20	0.20	5.0	-0.020	0.000	-0.050	0.000	6.0
328R13-415 02-GM	○	○	○	○	○	○	13	4.15	0.15	0.15	5.0	0.090	0.110	-0.050	0.050	6.0
328R13-50002-GM	○	○	○	○	○	○	13	5.00	0.20	0.20	5.0	-0.020	0.000	-0.050	0.000	6.0
328R13-515 02-GM	○	○	○	○	○	○	13	5.15	0.15	0.15	5.0	0.090	0.110	-0.050	0.050	6.0

● = First choice ○ = Good choice

CoroMill® 328, insert for thread milling

For internal threads. 60° V-profile



Common data values

NT

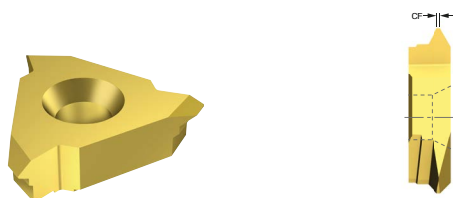
1

Metric (mm)

	P	S	H	K	M	N								
Ordering code	1025	1025	1025	1025	1025	1025	HA [mm]	HB [mm]	PDX [mm]	CF [mm]	TPN [mm]	TPX [mm]	TPIN	TPIX
328R13-150 VM-TH	○	○	○	○	○	○	2.31	0.13	2.0	0.19	1.50	3.50	7	16
328R13-400 VM-TH	○	○	○	○	○	○	4.06	0.41	2.6	0.50	4.00	6.00	4	6

● = First choice ○ = Good choice

For internal threads. UN 60° full form



Common data values

NT

1

Metric (mm)

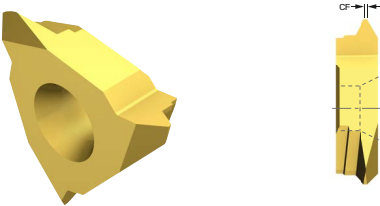
	P	S	H	K	M	N					
Ordering code	1025	1025	1025	1025	1025	1025	HA [mm]	HB [mm]	PDX [mm]	CF [mm]	TPI
328R13-04 UN-TH	○	○	○	○	○	○	4.12	0.68	2.5	0.79	4
328R13-08 UN-TH	○	○	○	○	○	○	2.06	0.34	1.4	0.40	8
328R13-12 UN-TH	○	○	○	○	○	○	1.38	0.23	1.0	0.26	12
328R13-16 UN-TH	○	○	○	○	○	○	1.02	0.16	0.8	0.20	16

● = First choice ○ = Good choice



CoroMill® 328, insert for thread milling

For internal threads. Metric 60° topping



Common data values

NT

1

Metric (mm)

	P S H K M N									
Ordering code	1025	1025	1025	1025	1025	1025	HA [mm]	HB [mm]	PDX [mm]	CF [mm]
328R13-150 MM-TH	○	○	○	○	○	○	0.97	0.16	0.9	0.19
328R13-200 MM-TH	○	○	○	○	○	○	1.30	0.22	1.0	0.25
328R13-300 MM-TH	○	○	○	○	○	○	1.95	0.32	1.4	0.38
328R13-350 MM-TH	○	○	○	○	○	○	2.27	0.38	1.5	0.44
328R13-400 MM-TH	○	○	○	○	○	○	2.60	0.43	1.8	0.50
328R13-450 MM-TH	○	○	○	○	○	○	2.92	0.49	2.0	0.56
328R13-500 MM-TH	○	○	○	○	○	○	3.25	0.54	2.0	0.63
328R13-550 MM-TH	○	○	○	○	○	○	3.57	0.60	2.3	0.69
328R13-600 MM-TH	○	○	○	○	○	○	3.90	0.65	2.5	0.75

● = First choice ○ = Good choice

Coolant supply information

Coolant entry style code (CNSC)

Code	Definition	Image
0	Without coolant entry	
1	Axial concentric entry	
2	Radial entry	
3	Axial concentric and radial entry	
4	Axial concentric entry on circle	
5	Radial entry before adaptor	
6	Decentral over flange	
7	Decentral over flange and axial	
8	Decentral over slots on the shank	

Coolant exit style code (CXSC)

Code	Definition	Image
0	No coolant exit	
1	Axial concentric exit	
2	Radial exit	
3	Axial inclined exit	
4	Axial concentric on circle	
5	Axial inclined exit with nozzle, adjustable	
6	Decentral exit with nozzles, adjustable	
7	Axial inclined focused exit with nozzle	
8	Axially concentric or off-center with nozzle, adjustable	



Cutting tool parameters according to ISO 13399

All cutting tools are defined by a number of parameters according to the standard ISO 13399, such as depth of cut or cutting diameter. You find both the cutting tool parameter and its definition in this list.

Parameter	Definition
ADINTMS	Adaptive interface machine direction
ADINTWS	Adaptive interface workpiece direction
AERMX	Working engagement ratio maximum
ALP	Axial clearance angle
AN	Clearance angle major
ANN	Clearance angle minor
APMX	Depth of cut maximum
AXGSUP	Axial groove support direction
AZ	Maximum plunge depth
B	Shank width
BAMS	Machine side body angle
BAWS	Workpiece side body angle
BBD	Balanced by design
BBR	Balanced by rotational test
BD	Body diameter
BHTA	Body half taper angle
BLMC	Balancing method code
BMC	Body material code
BN	Face land width
BS	Wiper edge length
BSG	Identifier for the standard defining the tool design
BSR	Wiper edge radius
CBMD	Chip breaker manufacturer's designation
CCC	Center cutting capability
CCONWS	Workpiece side connection count
CDX	Cutting depth maximum
CEDC	Cutting edge count
CGX	X-component for center of gravity location
CGY	Y-component for center of gravity location
CGZ	Z-component for center of gravity location
CHW	Corner chamfer width
CICT	Cutting item count
CND	Coolant entry diameter
CNSC	Coolant entry style code
CNT	Coolant entry thread size
COATING	Coating
CONARWS	Connection arrangement workpiece side
CP	Coolant pressure
CPDF	Cutting pitch differential
CRKS	Connection retention knob thread size
CTPT	Operation type



CUTDIA	Work piece parting diameter maximum
CUTINT_MASTER	Part two of two identifiers of cutting item interface
CUTINT_SIZESHAPE	Insert size and shape
CW	Cutting width
CWTOLL	Cutting width lower tolerance
CWTOLU	Cutting width upper tolerance
CXSC	Coolant exit style code
CXST	Coolant exit supply type
CZC	Connection size code
CZC MS	Connection size code machine side
CZC WS	Connection size code workpiece side
D1	Fixing hole diameter
DAH	Diameter access hole
DAXIN	Axial groove inside diameter minimum
DAXN	Minimum axial groove outside diameter
DAXX	Maximum axial groove outside diameter
DBC	Diameter bolt circle
DC	Cutting diameter
DCB	Connection bore diameter
DCBN	Connection bore diameter minimum
DCBX	Connection bore diameter maximum
DCF	Cutting diameter face contact
DCN	Minimum cutting diameter
DCON	Connection diameter
DCONMS	Connection diameter machine side
DCONWS	Connection diameter workpiece side
DCP	Data chip pocket
DCPS	Data chip pocket size
DCSFMS	Contact surface diameter machine side
DCSFWS	Contact surface diameter workpiece side
DCTOLL	Lower cutting diameter tolerance
DCTOLU	Upper cutting diameter tolerance
DCX	Maximum cutting diameter
DFC	Functional diameter
DHUB	Hub diameter
DIX	Tool changer interference diameter maximum
DMIN	Minimum bore diameter
DMM	Shank diameter
DN	Neck diameter
DPC	Damping property
DSGN	Design
FHA	Flute helix angle
FLGT	Flange thickness
FTDZ	For thread diameter size
GAMF	Radial rake angle
GAMO	Orthogonal rake angle
GAMP	Axial rake angle
GAN	Insert rake angle
GB	Face land angle
GRADE	The brand name for grade



H	Shank height
HAND	Hand
HBL	Head bottom offset length
HDD	Head diameter
HEAD_TYPE	Type of head
HF	Functional height
HRV	Lowest point from reference plain
HTB	Body height
HTH	Height
HTY	Hole type
IC	Inscribed circle diameter
IEP	Interrupted edge property
IFS	Insert mounting style code
INSL	Insert length
IZC	Insert size code
KAP	Kappa (z-axis rot)
KAPR	Tool cutting edge angle
KCH	Corner chamfer
KGRP_INT	Key grip interface
KGRPS	Size of driven part
KGRPTP	Geometrical characteristic driven part
KRINS	Major cutting edge angle
L	Cutting edge length
LAMS	Inclination angle
LB	Body length
LCF	Chip flute length
LE	Cutting edge effective length
LF	Functional length
LGR	Regrind length
LH	Head length
LIG	Insert gauge length
LOCAP	Location aid property
LPR	Protruding length
LS	Shank length
LSC	Clamping length
LSCN	Clamping length minimum
LSCX	Clamping length maximum
LSD	Dead shank length
LU	Usable length
MHD	Mounting hole distance
MIID	Master insert identification
MMCC	Code for preset torque
MMCX	Maximum cutting torque
MRAT	Main rotation angle of tool
MTP	Clamping type code
NOF	Flute count
NORGMX	Maximum regrinds
OAH	Overall height
OAL	Overall length
OAW	Overall width



OHN	Minimum overhang
OHX	Maximum overhang
PHD	Premachined hole diameter
PHDX	Maximum premachined hole diameter
PHT	Premachined hole type
PL	Point length
PRFRAD	Profile radius
PRSPC	Profile specification
PSIR	Tool lead angle
PSIRL	Major left hand cutting edge angle
PSIRR	Major right hand cutting edge angle
RADH	Radial body height
RADW	Radial body width
RE	Corner radius
REEQ	Corner radius equivalent
REL	Corner radius left
RER	Corner radius right
RETOLL	Corner radius lower tolerance
RETOLU	Corner radius upper tolerance
RIDOP	Reversed rotation direction output side
RMPX	Maximum ramping angle
RPMX	Rotational speed maximum
S	Insert thickness
SC	Insert shape code
SCREW_TYPE	Screw type
SDL	Step diameter length
SEAL	Sealing property
SEP	Sensor embedded property
SIG	Point angle
SPA	Sphere profile angle
SSC	Insert seat size code
STA	Step included angle
SUBSTRATE	Substrate
TA	Taper angle
TCDC	Tolerance class cutting diameter
TCDCON	Connection diameter tolerance
TCDMM	Shank diameter tolerance
TCHA	Achievable hole tolerance
TCL	Tap chamfer length
TCT	Tolerance class tool
TCTR	Thread tolerance class
TD	Thread diameter
TDZ	Thread diameter size
TFLA	Tap floating length ahead
TFLB	Tap floating length behind
TG	Taper gradient
THBTP	Thread back taper property
THCA	Thread helix correction angle
THCHT	Threading chamfer type
THDH	Thread hand



THFT	Form type
THL	Threading length
THLGTH	Thread length
THUB	Hub thickness
TP	Thread pitch
TPI	Threads per inch
TPIN	Threads per inch minimum
TPIX	Threads per inch maximum
TPN	Thread pitch minimum
TPX	Maximum thread pitch
TQ	Torque
TSYC	Tool style code
ULDR	Usable length diameter ratio
W1	Insert width
WB	Body width
WEP	Wiper edge property
WF	Functional width
WSC	Clamping width
WT	Weight of item
XYPFEEDIR	XY-plane feed direction
ZEFF	Number of cutting edges that are effective on the face of a tool
ZEFP	Peripheral effective cutting edge count
ZWX	Maximum number of Wiper inserts

Embrace sustainability with our recycling and reconditioning programs

At Sandvik Coromant we are committed to sustainability and reducing our environmental footprint. Our recycling and reconditioning programs are designed to not only benefit the planet but also offer practical solutions for our customers and suppliers.



Reconditioning program

Extend the life of your solid carbide tools with our reconditioning program. Why invest in new tools when you can save costs and resources by rejuvenating your existing ones? Our reconditioning service not only enhances tool longevity but also helps reduce waste in landfills. If you haven't already experienced the benefits of our reconditioning service, now is the time to give it a try and witness the difference firsthand.

Please check with your Sandvik contact for local reconditioning requirements.

Recycling program

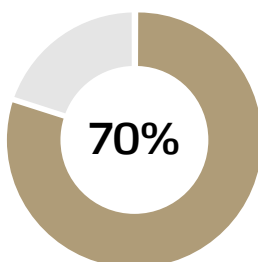
Join us in our mission to promote sustainability through our innovative recycling program. By participating in our buy-back program, you support a greener industry while enjoying a hassle-free experience. Our certified recycling process ensures minimal effort on your part, making it easy to contribute to a more sustainable future.

Choose Sandvik Coromant as your recycling partner and make a positive impact today.

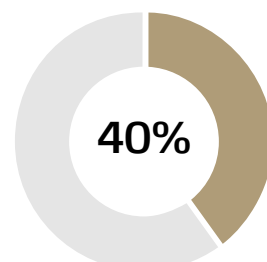
Recycling: for the sake of the environment

Environmental benefits

With each reconditioning, you get consistent tool quality, while the cost drops dramatically.



Production from recycled materials cuts overall carbon dioxide emissions by 40 percent.



Find out more about our sustainability initiatives:
www.sandvik.coromant.com/services



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