

Silent Tools™

– DAMPED TOOLS FROM SANDVIK COROMANT

TURNING
MILLING
BORING



Silent Tools™

Productivity with slender tools

- A Turning
- B Milling
- C Boring
- D General information

Vibration-prone operations pose a constant threat to productive and secure machining, especially when dealing with long overhangs or deep cavities. Reducing process parameters such as depth of cut, speed or feed is one aspect to consider, but it will most likely have a negative impact on productivity.

A more productive solution is to use Silent Tools™. Silent Tools is a unique range of long-reach cutting tools and adaptors for turning, milling and boring, designed with a damping system inside the tool body to minimize vibration. For components requiring slender tool assemblies, Silent Tools can be your one and only choice for productive machining. However, Silent Tools is not only a problem-solver, it can also be used as a powerful productivity booster when working with shorter overhangs.

Inside the tool is a pre-tuned damper system that consists of a heavy mass, supported by rubber spring elements. If vibration arise, the kinetic energy will be absorbed by the damping system. This leads to minimized vibration and greatly improved productivity.

Silent Tools™ benefits:

- Improved process security
- Improved surface finish
- Productivity gains

Enjoy the silence!



Explanation of reference symbols:



Adaptors



CoroTurn®SL
adaptors



Accessories



Parameter
explanation



Coolant
information



Information

Turning

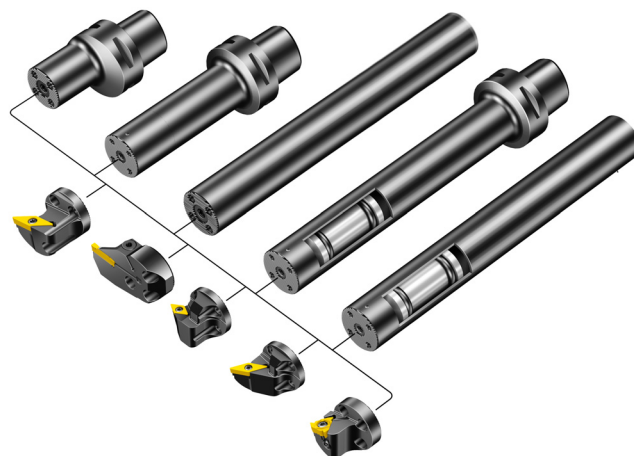
Silent Tools™ for turning

Secure and productive turning

Silent Tools™ turning adaptors

Internal turning is very sensitive to vibration. It is essential to select the largest possible tool size and to minimize the overhang in order to obtain the best stability and accuracy. Choosing the right turning adaptor has a big impact on production economy. The Silent Tools turning adaptors are ideal for successful turning operations at overhangs reaching from 4 up to 14 times bar diameter, and are available from diameter 16–250 mm (.630–9.840 inch) as standard solutions.

The easily replaceable cutting head and the stable, robust interface make the CoroTurn® SL modular system a standardized interface for all Silent Tools damped bar adaptors. The combination offers great flexibility with a large number of cutting heads suitable for a wide range of applications.

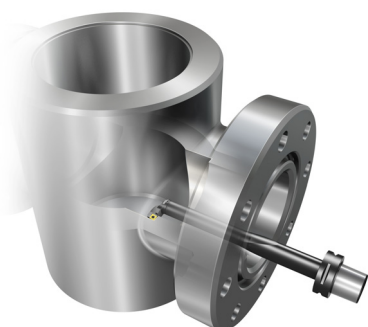


Stable threading for every need

Ultra-rigid CoroThread® 266 covers just about all types of internal and external thread turning applications possible. It is designed with an iLock™ interface to handle the extreme forces placed upon the insert in threading operations. The tool ensures exceptional insert stability for ultimate accuracy, surface finish and product consistency.

CoroThread 266 provides great stability in long overhangs. Damped Silent Tools boring adaptors dedicated for threading can withstand the increased radial cutting forces of internal machining and maintain precision even in the most difficult machining conditions.

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Exact reach with elliptical bars

The Silent Tools™ elliptical adaptors are designed for maximum reach into deep seats. Combined with CoroTurn® SL cutting heads with a lightweight design and stretched radial length, you have a tool tailored for machining challenging features such as the valve seat pocket. The optimized tool helps overcome challenges like narrow entries and long overhangs in order to achieve a highly stable machining process.

Coromant Capto®

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Elliptical	A11
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Cylindrical shank

CoroTurn® 107 damped carbide boring bar for turning	A14-A15
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Carbide reinforced	A20
Cylindrical shank to Coromant Capto® damped adaptor	A21

HSK

HSK to CoroTurn® SL damped adaptor	A22
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CoroTurn® SL heads

CoroTurn® TR	A23-A24
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CoroTurn® SL heads with Quick Change

CoroTurn® 107	A40-A46
T-Max® P	A47-A52
CoroThread® 266	A53

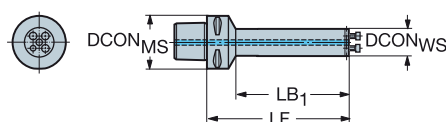
Adaptors

Coromant Capto® to CoroChuck™ 935	A54
Cylindrical shank with flats to CoroChuck™ 935	A55
HSK to CoroChuck™ 935	A56
VDI to CoroChuck™ 935	A56
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Accessories

Centre height setting tool	A61
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Coromant Capto® to CoroTurn® SL damped adaptor



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					Dimensions, mm, inch					
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LB ₁	LF		
C3	16	3	3	C3-570-3C 16 082	32.0	16	63	82	70	0.250
					1.260	.630	2.496	3.228	1015	
	20	3	3	C3-570-3C 20 101	32.0	20	82	101	70	0.390
					1.260	.787	3.264	3.976	1015	
	25	3	3	C3-570-3C 25 125	32.0	25	107	125	70	0.600
					1.260	.984	4.236	4.921	1015	
	3	3	3	C3-570-3C 25 180	32.0	25	161	180	70	0.802
					1.260	.984	6.370	7.087	1015	
	3	1	1	C3-SL-3C 25 125	32.0	25	106	125	70	0.637
					1.260	.984	4.205	4.921	1015	
	3	1	1	C3-SL-3C 25 180	32.0	25	161	180	70	0.802
					1.260	.984	6.370	7.087	1015	
C4	16	3	3	C4-570-3C 16 088	40.0	16	63	88	70	0.400
					1.575	.630	2.492	3.465	1015	
	20	3	3	C4-570-3C 20 107	40.0	20	82	107	70	0.538
					1.575	.787	3.260	4.213	1015	
	25	3	3	C4-570-3C 25 132	40.0	25	108	132	70	0.800
					1.575	.984	4.272	5.197	1015	
	3	3	3	C4-570-3C 25 180	40.0	25	155	180	70	0.964
					1.575	.984	6.130	7.087	1015	
	3	1	1	C4-SL-3C 25 132	40.0	25	107	132	70	0.810
					1.575	.984	4.240	5.197	1015	
	3	1	1	C4-SL-3C 25 180	40.0	25	155	180	70	0.961
					1.575	.984	6.130	7.087	1015	
	32	3	1	C4-570-3C 32 154	40.0	32	131	154	70	1.291
					1.575	1.260	5.173	6.063	1015	
	3	1	1	C4-570-3C 32 224	40.0	32	200	224	70	2.080
					1.575	1.260	7.898	8.819	1015	
	40	3	1	C4-570-3C 40 173	40.0	40	173	173	70	1.745
					1.575	1.575	6.811	6.811	1015	
	3	1	1	C4-570-3C 40 288	40.0	40	288	288	70	3.416
					1.575	1.575	11.339	11.339	1015	

CXSC=1 to be used with cutting heads with precision coolant

CXSC=3 to be used with cutting heads with internal coolant

For spare parts, visit www.sandvik.coromant.com



D9

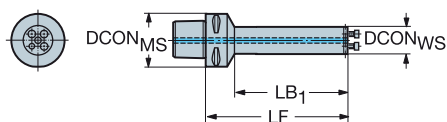


D8



D4

Coromant Capto® to CoroTurn® SL damped adaptor



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				Dimensions, mm, inch						
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LB ₁	LF		
C5	16	3	3	C5-570-3C 16 085	50.0	16	58	85	70	0.632
					1.969	.630	2.303	3.346	1015	
	20	3	3	C5-570-3C 20 109	50.0	20	83	109	70	0.744
					1.969	.787	3.287	4.291	1015	
	25	3	3	C5-570-3C 25 133	50.0	25	107	133	70	1.000
					1.969	.984	4.240	5.236	1015	
	3	3	3	C5-570-3C 25 180	50.0	25	154	180	70	1.230
					1.969	.984	6.075	7.087	1015	
	3	3	3	C5-570-3C 25 230	50.0	25	201	230	70	1.400
					1.969	.984	7.913	9.055	1015	
	3	1	1	C5-SL-3C 25 133	50.0	25	106	133	70	1.045
					1.969	.984	4.197	5.236	1015	
C5	3	1	1	C5-SL-3C 25 180	50.0	25	154	180	70	1.223
					1.969	.984	6.075	7.087	1015	
	3	1	1	C5-SL-3C 25 230	50.0	25	200	230	70	1.433
					1.969	.984	7.894	9.055	1015	
	32	3	1	C5-570-3C 32 154	50.0	32	129	154	70	1.400
					1.969	1.260	5.102	6.063	1015	
	3	1	1	C5-570-3C 32 224	50.0	32	199	224	70	1.880
					1.969	1.260	7.846	8.819	1015	
	3	1	1	C5-570-3C 32 288	50.0	32	261	288	70	2.400
					1.969	1.260	10.276	11.339	1015	
	40	3	1	C5-570-3C 40 194	50.0	40	170	194	70	2.244
					1.969	1.575	6.720	7.638	1015	
C5	3	1	1	C5-570-3C 40 288	50.0	40	263	288	70	3.620
					1.969	1.575	10.370	11.339	1015	
	3	1	1	C5-570-3C 40 368	50.0	40	344	368	70	4.200
					1.969	1.575	13.563	14.488	1015	
	50	3	1	C5-570-3C 50 215	50.0	50	215	215	70	5.470
					1.969	1.969	8.465	8.465	1015	
C6	16	3	3	C6-570-3C 16 088	63.0	16	58	88	70	1.016
					2.480	.630	2.303	3.465	1015	
	20	3	3	C6-570-3C 20 108	63.0	20	78	108	70	1.000
					2.480	.787	3.091	4.252	1015	
	25	3	3	C6-570-3C 25 132	63.0	25	103	132	70	1.356
					2.480	.984	4.055	5.197	1015	
	3	3	3	C6-570-3C 25 180	63.0	25	146	180	70	1.600
					2.480	.984	5.780	7.087	1015	
	3	3	3	C6-570-3C 25 230	63.0	25	197	230	70	1.700
					2.480	.984	7.756	9.055	1015	
	3	1	1	C6-SL-3C 25 132	63.0	25	101	132	70	1.395
					2.480	.984	4.012	5.197	1015	
C6	3	1	1	C6-SL-3C 25 180	63.0	25	146	180	70	1.597
					2.480	.984	5.780	7.087	1015	
	3	1	1	C6-SL-3C 25 230	63.0	25	196	230	70	1.808
					2.480	.984	7.748	9.055	1015	
	32	3	1	C6-570-3C 32 159	63.0	32	129	159	70	1.800
					2.480	1.260	5.110	6.260	1015	
	3	1	1	C6-570-3C 32 224	63.0	32	191	224	70	2.222
					2.480	1.260	7.547	8.819	1015	
	3	1	1	C6-570-3C 32 288	63.0	32	257	288	70	2.700
					2.480	1.260	10.150	11.339	1015	

CXSC=1 to be used with cutting heads with precision coolant
CXSC=3 to be used with cutting heads with internal coolant

For spare parts, visit www.sandvik.coromant.com



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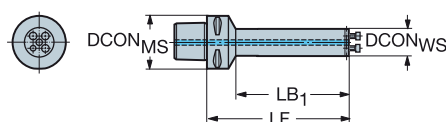


D8



D4

Coromant Capto® to CoroTurn® SL damped adaptor



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					Dimensions, mm, inch					
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LB ₁	LF		
C6	40	3	1	C6-570-3C 40 198	63.0	40	169	198	70	2.600
					2.480	1.575	6.669	7.795	1015	
		3	1	C6-570-3C 40 288	63.0	40	257	288	70	3.950
					2.480	1.575	10.122	11.339	1015	
		3	1	C6-570-3C 40 368	63.0	40	338	368	70	4.200
					2.480	1.575	13.343	14.488	1015	
	50	3	1	C6-570-3C 50 239	63.0	50	212	239	70	6.280
					2.480	1.969	8.358	9.409	1015	
	60	3	1	C6-570-3C 60 287	63.0	60	263	287	70	9.200
					2.480	2.362	10.358	11.299	1015	
C8	25	3	3	C8-570-3C 25 147	80.0	25	107	147	70	2.300
					3.150	.984	4.236	5.787	1015	
		3	1	C8-SL-3C 25 147	80.0	25	106	147	70	2.557
					3.150	.984	4.197	5.787	1015	
	32	3	1	C8-570-3C 32 172	80.0	32	133	172	70	2.800
					3.150	1.260	5.260	6.772	1015	
		3	1	C8-570-3C 32 224	80.0	32	184	224	70	3.620
					3.150	1.260	7.264	8.819	1015	
	40	3	1	C8-570-3C 40 224	80.0	40	186	224	70	3.700
					3.150	1.575	7.346	8.819	1015	
		3	1	C8-570-3C 40 288	80.0	40	246	288	70	5.250
					3.150	1.575	9.705	11.339	1015	
		3	1	C8-570-3C 40 368	80.0	40	330	368	70	5.400
					3.150	1.575	13.028	14.488	1015	

CXSC=1 to be used with cutting heads with precision coolant
CXSC=3 to be used with cutting heads with internal coolant

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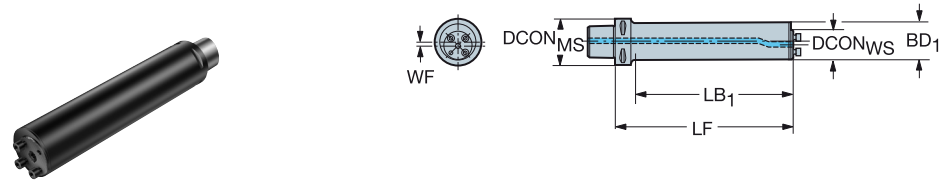


D8



D4

Coromant Capto® to CoroTurn® SL damped adaptor



SilentTools®

B

				Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LB ₁	LF	WF			
C5	40	3	1	C5-570-3C 50 223-40R/L	50.0	40	50	223	223	5.0	70	3.600	
					1.969	1.575	1.969	8.780	8.780	.197	1015		
		3	1	C5-570-3C 50 368-40R/L	50.0	40	50	368	368	5.0	70	6.006	
					1.969	1.575	1.969	14.488	14.488	.197	1015		
		3	1	C5-570-3C 50 468-40R/L	50.0	40	50	468	468	0.0	70	10.796	
					1.969	1.575	1.969	18.425	18.425	.000	1015		
C6	40	3	1	C6-570-3C 50 247-40R/L	63.0	40	50	222	247	5.0	70	4.200	
					2.480	1.575	1.969	8.740	9.724	.197	1015		
		3	1	C6-570-3C 50 368-40R/L	63.0	40	50	341	368	5.0	70	8.490	
					2.480	1.575	1.969	13.433	14.488	.197	1015		
		3	1	C6-570-3C 50 468-40R/L	63.0	40	50	440	468	5.0	70	7.400	
					2.480	1.575	1.969	17.323	18.425	.197	1015		
		3	1	C6-570-3C 60 295-40R/L	63.0	40	60	273	295	10.0	70	6.800	
					2.480	1.575	2.362	10.748	11.614	.394	1015		
		3	1	C6-570-3C 60 448-40R/L	63.0	40	60	424	448	10.0	70	14.370	
					2.480	1.575	2.362	16.724	17.638	.394	1015		
		3	1	C6-570-3C 60 568-40R/L	63.0	40	60	545	568	10.0	70	12.200	
					2.480	1.575	2.362	21.457	22.362	.394	1015		
C8	40	3	1	C8-570-3C 50 297-40R/L	80.0	40	50	261	297	5.0	70	5.800	
					3.150	1.575	1.969	10.276	11.693	.197	1015		
		3	1	C8-570-3C 50 368-40R/L	80.0	40	50	330	368	5.0	70	7.500	
					3.150	1.575	1.969	13.028	14.488	.197	1015		
		3	1	C8-570-3C 50 468-40R/L	80.0	40	50	434	468	5.0	70	8.300	
					3.150	1.575	1.969	17.087	18.425	.197	1015		
		3	1	C8-570-3C 60 355-40R/L	80.0	40	60	320	355	10.0	70	8.900	
					3.150	1.575	2.362	12.610	13.976	.394	1015		
		3	1	C8-570-3C 60 448-40R/L	80.0	40	60	409	448	10.0	70	15.200	
					3.150	1.575	2.362	16.110	17.638	.394	1015		
		3	1	C8-570-3C 60 568-40R/L	80.0	40	60	531	568	10.0	70	13.000	
					3.150	1.575	2.362	20.917	22.362	.394	1015		

C

CXSC=1 to be used with cutting heads with precision coolant

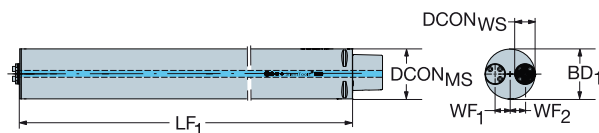
R = Right hand, L = Left hand

For spare parts, visit www.sandvik.coromant.com



Coromant Capto® to CoroTurn® SL damped adaptor

Boring bar for two CoroTurn® SL heads



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					Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LB ₁	LF ₁	WF ₁	WF ₂			
C8	40	3	1	C8-570-3C80365-40-2	80.0	40	80	365	365	20.0	20.0	70	13.100	
				3.150	1.575	3.150	14.370	14.370	.787	.787	1015			
		3	1	C8-570-3C 80 608-40-2	80.0	40	80	608	608	20.0	20.0	70	28.000	
				3.150	1.575	3.150	23.937	23.937	.787	.787	1015			
		3	1	C8-570-3C80768-40-2	80.0	40	80	768	768	20.0	20.0	70	28.200	
				3.150	1.575	3.150	30.236	30.236	.787	.787	1015			
C10	40	3	1	C10-SL3C100968-40-2	100.0	40	100	968	968	30.0	30.0	70	58.000	
				3.937	1.575	3.937	38.110	38.110	1.181	1.181	1015			
		3	1	C10-SL3C80768-40-2	100.0	40	80	729	768	20.0	20.0	70	29.500	
				3.937	1.575	3.150	28.701	30.236	.787	.787	1015			

CXSC=1 to be used with cutting heads with precision coolant

For spare parts, visit www.sandvik.coromant.com



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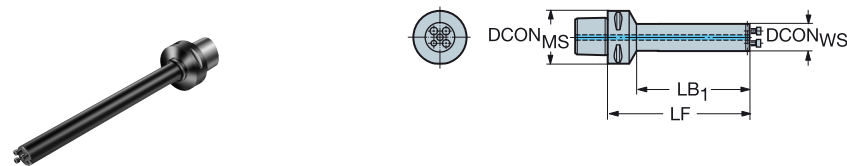
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D4

Coromant Capto® to CoroTurn® SL damped adaptor

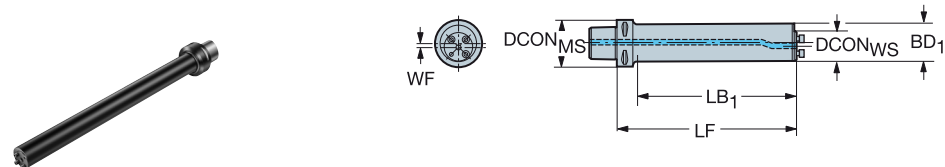
Carbide reinforced boring bar



SilentTools®

B

					Dimensions, mm, inch					
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LB ₁	LF	BAR PSI	KG
C6	25	3	1	C6-SL-3C 25 280 CR-M	63.0	25	248	280	70	6.272
					2.480	.984	9.772	11.024	1015	
		3	3	C6-SL3C25280CR	63.0	25	245	280	70	6.279
					2.480	.984	9.646	11.024	1015	
	32	3	1	C6-SL3C32352CR	63.0	32	317	352	70	9.520
					2.480	1.260	12.480	13.858	1015	
	40	3	1	C6-SL3C40448CR	63.0	40	416	448	70	11.860
					2.480	1.575	16.378	17.638	1015	
C8	25	3	1	C8-SL-3C 25 280 CR-M	80.0	25	248	280	70	7.260
					3.150	.984	9.772	11.024	1015	
	32	3	1	C8-SL3C32352CR	80.0	32	317	352	70	10.420
					3.150	1.260	12.480	13.858	1015	
	40	3	1	C8-SL3C40448CR	80.0	40	416	448	70	13.000
					3.150	1.575	16.378	17.638	1015	



SilentTools®

C

					Dimensions, mm, inch							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LB ₁	LF	WF		
C8	40	3	1	C8-SL3C50568CR-40R/L	80.0	40	50	528	568	5.0	70	20.000
					3.150	1.575	1.969	20.787	22.362	.197	1015	
		3	1	C8-SL3C60688CR-40R/L	80.0	40	60	648	688	10.0	70	27.000
					3.150	1.575	2.362	25.512	27.087	.394	1015	

CXSC=1 to be used with cutting heads with precision coolant
CXSC=3 to be used with cutting heads with internal coolant
For spare parts, visit www.sandvik.coromant.com

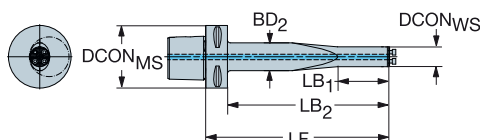
R = Right hand, L = Left hand

D



Coromant Capto® to CoroTurn® SL damped adaptor

Elliptical boring bar



● ● ● ● SilentTools®

						Dimensions, mm, inch											
CZC _{MS}	CZC _{WS}	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₂	LB ₁	LB ₂	LPR	LF					
C6	16	133.0	3	1	C6-SL-D 23E 133-16	63.0	16	22	46	111	133	133	70	1.321			
		5.236				2.480	.630	.882	1.811	4.370	5.236	5.236	1015				
	20	185.0	3	1	C6-SL-D 28E 185-20	63.0	20	28	52	163	185	185	70	1.569			
		7.283				2.480	.787	1.102	2.047	6.417	7.283	7.283	1015				
	25	255.0	3	1	C6-SL-D 35E 230-25	63.0	25	35	82	233	255	230	70	2.387			
		10.039				2.480	.984	1.378	3.228	9.173	10.039	9.055	1015				
C6	32	313.0	3	1	C6-SL-D 45E 313-32	63.0	32	45	102	291	313	313	70	3.650			
		12.323				2.480	1.260	1.772	4.016	11.456	12.323	12.323	1015				
	40	393.0	3	1	C6-SL-D 56E 393-40	63.0	40	56	124	371	393	393	70	5.770			
		15.472				2.480	1.575	2.205	4.882	14.606	15.472	15.472	1015				
	C8	16	133.0	3	1	C8-SL-D 23E 133-16	80.0	16	22	46	100	133	133	70	2.202		
			5.236				3.150	.630	.882	1.811	3.937	5.236	5.236	1015			
20		185.0	3	1	C8-SL-D 28E 185-20	80.0	20	28	52	152	185	185	70	2.404			
		7.283				3.150	.787	1.102	2.047	5.984	7.283	7.283	1015				
25		230.0	3	1	C8-SL-D 35E 230-25	80.0	25	35	64	197	230	230	70	3.246			
		9.055				3.150	.984	1.378	2.520	7.755	9.055	9.055	1015				
C8	32	313.0	3	1	C8-SL-D 45E 313-32	80.0	32	45	102	283	313	313	70	4.200			
		12.323				3.150	1.260	1.772	4.016	11.141	12.323	12.323	1015				
	40	393.0	3	1	C8-SL-D 56E 393-40	80.0	40	56	124	363	393	393	70	6.624			
		15.472				3.150	1.575	2.205	4.882	14.291	15.472	15.472	1015				

CXSC=1 to be used with cutting heads with precision coolant

For spare parts, visit www.sandvik.coromant.com



D9



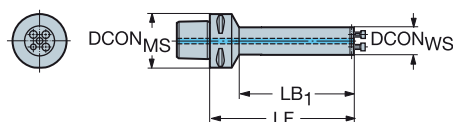
D8



D4

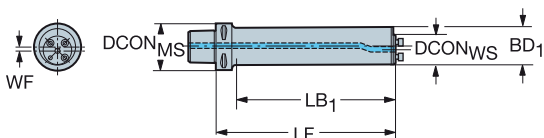
Coromant Capto® to CoroTurn® SL damped adaptor

For threading and grooving operations



● ● ● ● SilentTools®

						Dimensions, mm, inch					
CZC _{MS}	CZC _{WS}	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LB ₁	LF	BAR PSI	KG
C4	40	120.0	3	1	C4-570-4C 40 120	40.0	40	120	120	70	1.400
		4.724				1.575	1.575	4.724	4.724	1015	
C5	40	120.0	3	1	C5-570-4C 40 120	50.0	40	98	120	70	1.600
		4.724				1.969	1.575	3.858	4.724	1015	
C6	40	94.0	3	1	C6-570-4C 40 120	63.0	40	94	120	70	1.900
		3.701				2.480	1.575	3.701	4.724	1015	



● ● ● ● SilentTools®

					Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LB ₁	LF	WF	BAR PSI	KG	
C5	40	150.0	3	1	C5-570-4C 50 150-40R/L	50.0	40	50	150	150	5.0	70	2.500	
		5.906				1.969	1.575	1.969	5.906	5.906	.197	1015		
C6	40	150.0	3	1	C6-570-4C 50 150-40R/L	63.0	40	50	122	150	5.0	70	2.800	
		5.906				2.480	1.575	1.969	4.803	5.906	.197	1015		
		180.0	3	1	C6-570-4C 60 180-40R/L	63.0	40	60	157	180	10.0	70	4.100	
		7.087				2.480	1.575	2.362	6.181	7.087	.394	1015		
C8	40	147.0	3	1	C8-570-4C 60 180-40R/L	80.0	40	60	147	180	10.0	70	4.900	
		5.787				3.150	1.575	2.362	5.787	7.087	.394	1015		

CXSC=1 to be used with cutting heads with precision coolant

R = Right hand, L = Left hand

For spare parts, visit www.sandvik.coromant.com



D9

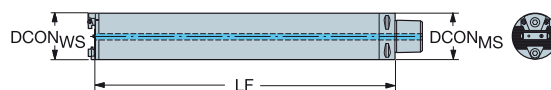


D8



D4

Coromant Capto® to CoroTurn® SL quick change damped adaptor



● ● ● ● SilentTools®

					Dimensions, mm, inch					
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LB ₁	LF		
C6	80	3	1	C6-570-3C 80 355	63.0	80	355	355	70	9.000
					2.480	3.150	13.976	13.976	1015	
C8	80	3	1	C8-570-3C 80 475	80.0	80	475	475	70	17.100
					3.150	3.150	18.701	18.701	1015	
C10	80	3	1	C10-570-3C80755-80	100.0	80	714	755	70	29.000
					3.937	3.150	28.110	29.724	1015	
	100/80	3	1	C10-570-3C100955-80	100.0	100	955	955	70	55.800
					3.937	3.937	37.598	37.598	1015	

CXSC=1 to be used with cutting heads with precision coolant

For spare parts, visit www.sandvik.coromant.com



D9



D8



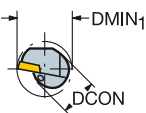
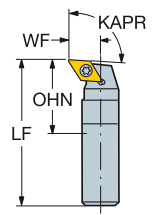
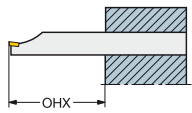
D4

CoroTurn® 107 damped carbide boring bar for turning

Screw clamp design
Cylindrical with groove for EasyFix sleeve



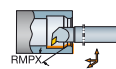
●●● SilentTools®





DCMT, DCMX
DCGT, DCGX, DCET
DCMW

Metric version

								Dimensions, mm					
		CZC _{MS}	DMIN ₁	RMPX	OHX	OHN	Ordering code	DCON	LF	WF			MIID
	07	10	15.0	27°	100.0	60.0	F10M-SDUCR/L 07-ER	10	150.0	9.0	0.9	0.18	DCMT 07 02 04
		12	18.0	27°	120.0	72.0	F12Q-SDUCR/L 07-ER	12	180.0	11.0	0.9	0.29	DCMT 07 02 04

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts
Insert screw 5513 020-03

For complete list of spare parts, see www.sandvik.coromant.com



CoroTurn® 107 damped carbide boring bar for turning

Screw clamp design

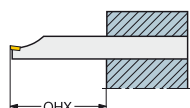
Cylindrical with groove for EasyFix sleeve



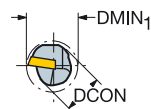
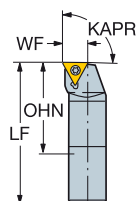
TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

● ● ● SilentTools®

KAPR



91.0°



Metric version

		Dimensions, mm											
	CZC _{ms}	DMIN ₁	OHX	OHN	Ordering code	DCON	LF	WF	NM	KG	MIID		
	09	10	13.0	100.0	60.0	F10M-STFCR/L 09-R	10	150.0	7.0	0.9	0.18	TCMT 09 02 04	
	12	16.0	120.0	72.0	F12Q-STFCR/L 09-R	12	180.0	9.0	0.9	0.29	TCMT 09 02 04		

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts

Insert screw

5513 020-05

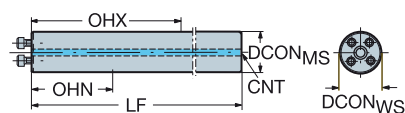
For complete list of spare parts, see www.sandvik.coromant.com

D9

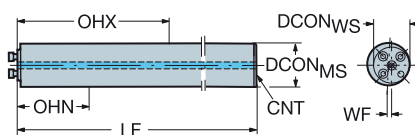
Cylindrical shank to CoroTurn® SL damped adaptor



570-3C



570-3C..40



● ● ● ● SilentTools®

B

Metric version

							Dimensions, mm									
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LB ₁	LF	WF	CNT	BAR	KG		
16	16	55.0	92.0	1	3	570-3C 16 156	16.0	16.0	156.0	156.0	0.0	G1/8	70	0.2		
20	20	70.0	120.0	1	3	570-3C 20 200	20.0	20.0	200.0	200.0	0.0	G1/4	70	0.4		
25	25	88.0	158.0	1	3	570-3C 25 255	25.0	25.0	255.0	255.0	0.0	G1/4	70	0.9		
		155.0	230.0	1	3	570-3C 25 330	25.0	25.0	330.0	330.0	0.0	G1/4	70	1.2		
		88.0	158.0	1	1	SL-3C 25 255	25.0	25.0	255.0	255.0	0.0	G1/4	70	0.9		
32	32	155.0	230.0	1	1	SL-3C 25 330	25.0	25.0	330.0	330.0	0.0	G1/4	70	1.2		
		100.0	192.0	1	1	570-3C 32 320	32.0	32.0	320.0	320.0	0.0	G3/8	70	2.0		
		192.0	288.0	1	1	570-3C 32 416	32.0	32.0	416.0	416.0	0.0	G3/8	70	2.6		
40	40	128.0	248.0	1	1	570-3C 40 408	40.0	40.0	408.0	408.0	0.0	G1/2	70	3.5		
		248.0	368.0	1	1	570-3C 40 528	40.0	40.0	528.0	528.0	0.0	G1/2	70	5.1		
50	40	168.0	318.0	1	1	570-3C 50 518-40	50.0	40.0	518.0	518.0	5.0	G1/2	70	7.3		
		318.0	468.0	1	1	570-3C 50 668-40	50.0	40.0	668.0	668.0	5.0	G1/2	70	9.3		
	50	165.0	310.0	1	1	570-3C 50 510	50.0	50.0	510.3	510.0	0.0	G1/2	70	7.2		
		310.0	460.0	1	1	570-3C 50 660	50.0	50.0	660.3	660.0	0.0	G1/2	70	9.1		
60	40	208.0	388.0	1	1	570-3C 60 628-40	60.0	40.0	628.0	628.0	10.0	G3/4	70	12.7		
		388.0	568.0	1	1	570-3C 60 808-40	60.0	40.0	808.0	808.0	10.0	G3/4	70	16.5		
	60	200.0	380.0	1	1	570-3C 60 620	60.0	60.0	620.3	620.0	0.0	G3/4	70	12.6		
		380.0	560.0	1	1	570-3C 60 800	60.0	60.0	800.3	800.0	0.0	G3/4	70	16.2		

C

Inch version

							Dimensions, inch									
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	DSGN	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LB ₁	LF	WF	CNT	PSI	LBS
5/8	16	2.165	3.583	1	3		A570-3C D10 06-16	.625	.630	.630	6.142	6.142	.000	G1/8	1015	0.5
3/4	20	3.071	4.449	1	3		A570-3C D12 08-20	.750	.787	.787	7.874	7.874	.000	G1/8	1015	0.9
1	25	3.346	6.220	1	3		A570-3C D16 10-25	1.000	.984	1.000	10.197	10.197	.000	G1/4	1015	2.2
		6.102	9.213	1	3		A570-3C D16 13-25	1.000	.984	1.000	13.213	13.213	.000	G1/4	1015	2.9
		3.346	6.220	1	1		SL-3C D16 10-25	1.000	.984	1.000	10.200	10.200	.000	G1/4	1015	2.2
1 1/4	32	6.102	9.213	1	1		SL-3C D16 13-25	1.000	.984	1.000	13.213	13.213	.000	G1/4	1015	2.9
		3.937	7.480	1	1		A570-3C D20 12-32	1.250	1.260	1.250	12.480	12.480	.000	G3/8	1015	4.2
		7.559	11.260	1	1		A570-3C D20 16-32	1.250	1.260	1.250	16.221	16.221	.000	G3/8	1015	5.7
1 1/2	32	5.039	9.252	1	1		A570-3C D24 15-32	1.500	1.260	1.500	15.264	15.264	.120	G1/2	1015	6.6
		9.764	13.740	1	1		A570-3C D24 20-32	1.500	1.260	1.500	19.803	19.803	.120	G1/2	1015	9.7
		5.748	10.984	1	1	2	A570-3C D28 17-40	1.750	1.575	1.575	4.606	17.028	.088	G1/2	1015	9.4
2	40	10.984	16.221	1	1	2	A570-3C D28 23-40	1.750	1.575	1.575	9.331	23.012	.088	G1/2	1015	13.2
		6.811	12.756	1	1	1	A570-3C D32 21-40	2.000	1.575	2.000	20.784	20.784	.213	G1/2	1015	16.9
		12.520	18.740	1	1	1	A570-3C D32 27-40	2.000	1.575	2.000	26.732	26.732	.213	G1/2	1015	21.8
2 1/2	50	6.496	12.441	1	1	1	A570-3C D32 20-50	2.000	1.969	2.000	20.430	20.409	.000	G1/2	1015	16.8
		7.870	18.425	1	1	1	A570-3C D32 26-50	2.000	1.969	2.000	26.430	26.417	.000	G1/2	1015	22.5
		8.189	16.221	1	1	1	A570-3C D40 26-40	2.500	1.575	2.500	26.280	26.280	.465	G3/4	1015	33.9
60	60	15.276	23.701	1	1	1	A570-3C D40 34-40	2.500	1.575	2.500	33.760	33.760	.465	G3/4	1015	44.0
		7.870	15.945	1	1	1	A570-3C D40 26-60	2.500	2.362	2.500	25.930	25.925	.000	G3/4	1015	34.2
		9.840	23.425	1	1	1	A570-3C D40 33-60	2.500	2.362	2.500	33.430	33.406	.000	G3/4	1015	45.8

D

EasyFix for 16-25 mm (5/8 - 1")

CXSC=1 to be used with cutting heads with precision coolant
CXSC=3 to be used with cutting heads with internal coolant

For spare parts, visit www.sandvik.coromant.com



D9



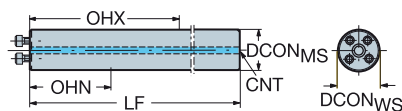
D8



D4

Cylindrical shank to CoroTurn® SL damped adaptor

Carbide reinforced boring bar



● ● ● ● SilentTools®

Metric version

							Dimensions, mm									
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LF	WF	CNT	BAR	KG			
16	16	96.0	140.0	1	3	570-3C 16 204 CR	16.0	16.0	204.0	0.0		70	0.4			
20	20	120.0	180.0	1	3	570-3C 20 260 CR	20.0	20.0	260.0	0.0		70	0.8			
25	25	230.0	280.0	1	3	570-3C 25 380 CR	25.0	25.0	380.0	0.0	G1/8	70	6.3			
		280.0	330.0	1	3	570-3C 25 430 CR	25.0	25.0	430.0	0.0	G1/8	70	6.4			
		225.0	280.0	1	1	SL-3C 25 380 CR	25.0	25.0	380.0	0.0	G1/8	70	6.0			
		275.0	330.0	1	1	SL-3C 25 430 CR	25.0	25.0	430.0	0.0	G1/8	70	6.2			
32	32	288.0	352.0	1	1	570-3C 32 480 CR	32.0	32.0	480.0	0.0	G1/4	70	10.2			
		352.0	416.0	1	1	570-3C 32 544 CR	32.0	32.0	544.0	0.0	G1/4	70	10.7			
40	40	368.0	448.0	1	1	570-3C 40 608 CR	40.0	40.0	608.0	0.0	G3/8	70	16.5			
		448.0	528.0	1	1	570-3C 40 688 CR	40.0	40.0	688.0	0.0	G3/8	70	15.0			
50	40	468.0	568.0	1	1	570-3C 50 760-40 CR	50.0	40.0	760.0	5.0	G1/2	70	27.0			
		568.0	668.0	1	1	570-3C 50 861-40 CR	50.0	40.0	861.0	5.0	G1/2	70	25.5			
60	40	688.0	808.0	1	1	570-3C 60 1040-40 CR	60.0	40.0	1040.0	10.0	G3/4	70	25.8			
		588.0	688.0	1	1	570-3C 60 920-40 CR	60.0	40.0	920.0	10.0	G3/4	70	28.0			

Inch version

							Dimensions, inch									
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LF		PSI	LBS			
5/8	16	3.150	5.512	1	3	A570-3C D10 08-16 CR	.625	.630	.638	8.032	1015	1.0				
3/4	20	4.016	7.087	1	3	A570-3C D12 10-20 CR	.750	.787	.787	10.236	1015	1.8				

EasyFix for 16-25 mm (5/8 - 1")

CXSC=1 to be used with cutting heads with precision coolant

CXSC=3 to be used with cutting heads with internal coolant

For spare parts, visit www.sandvik.coromant.com



D9



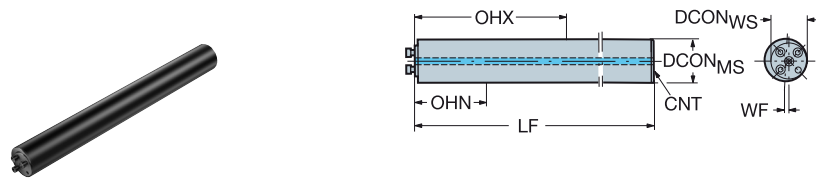
D8



D4

Cylindrical shank to CoroTurn® SL damped adaptor

For threading and grooving operations



●●● SilentTools®

B

Metric version

							Dimensions, mm						
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LF	WF	CNT	BAR	KG
40	40	80.0	168.0	1	1	570-4C 40 330	40.0	40.0	330.0	0.0	G1/2	70	3.1
50	40	90.0	218.0	1	1	570-4C 50 430-40	50.0	40.0	430.0	5.0	G1/2	70	6.3
60	40	90.0	510.0	1	1	570-4C 60 510-40	60.0	40.0	510.0	10.0	G3/4	70	10.1

Inch version

							Dimensions, inch						
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LF	WF	CNT	PSI	LBS
1 1/2	32	3.150	6.220	1	1	A570-4C D24 13-32	1.500	1.260	13.150	.120	G1/2	1015	5.9
1 3/4	40	3.543	7.402	1	1	A570-4C D28 15-40	1.750	1.575	14.921	.088	G1/2	1015	9.2
2	40	3.543	8.819	1	1	A570-4C D32 17-40	2.000	1.575	17.165	.213	G1/2	1015	13.9
2 1/2	40	3.543	11.260	1	1	A570-4C D40 22-40	2.500	1.575	22.047	.463	G3/4	1015	29.0

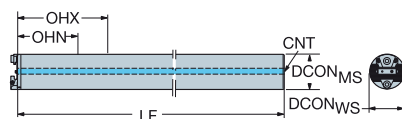
For spare parts, visit www.sandvik.coromant.com



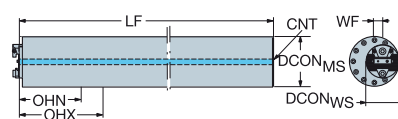
Cylindrical shank to CoroTurn® SL quick change damped adaptor



570-3C



570-3C1xx..R/L



● ● ● ● SilentTools®

Metric version

						Dimensions, mm									
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LF	WF	CNT	BAR	NM	KG	
80	80	360.0	755.0	1	1	570-3C 80 1200	80.0	80.0	1200.0	0.0	G3/4	70	50	43.4	
		360.0	515.0	1	1	570-3C 80 880	80.0	80.0	880.0	0.0	G3/4	70	50	31.3	
100	100/80	415.0	655.0	1	1	570-3C 100 1100	100.0	100.0	1100.0	0.0	G3/4	70	50	63.1	
		415.0	955.0	1	1	570-3C 100 1500	100.0	100.0	1500.0	0.0	G3/4	70	50	86.6	
120	80	795.0	1155.0	1	1	570-3C 120 1900R	120.0	80.0	1900.0	20.0	G3/4	70	50	133.7	
130	80	865.0	1255.0	1	1	570-3C 130 2000R	130.0	80.0	2000.0	25.0	G3/4	70	50	192.0	
140	80	935.0	1355.0	1	1	570-3C 140 2200R	140.0	80.0	2200.0	30.0	G3/4	70	50	241.0	
150	80	1005.0	1455.0	1	1	570-3C 150 2400R	150.0	80.0	2400.0	35.0	G3/4	70	50	252.4	
160	80	1075.0	1555.0	1	1	570-3C 160 2600R	160.0	80.0	2600.0	40.0	G3/4	70	50	339.0	
180	80	1215.0	1755.0	1	1	570-3C 180 2800R	180.0	80.0	2800.0	50.0	G3/4	70	50	474.0	
200	80	1355.0	1955.0	1	1	570-3C 200 3200R	200.0	80.0	3200.0	59.5	G1	70	50	603.9	
220	80	1495.0	2155.0	1	1	570-3C 220 3450R	220.0	80.0	3450.0	70.0	G1	70	50	546.0	
250	80	1705.0	2455.0	1	1	570-3C 250 4000R	250.0	80.0	4000.0	85.0	G1	70	50	980.1	

Inch version

						Dimensions, inch									
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LF	WF	CNT	PSI	FT/LBS	LBS
3	80	12.717	19.228	1	1	A570-3C D48 33	3.000	3.150	3.150	33.000	.000	G3/4	1015	36	59.4
		24.803	28.228	1	1	A570-3C D48 45	3.000	3.150	3.150	45.000	.000	G3/4	1015	36	83.4
4	100/80	16.339	26.228	1	1	A570-3C D64 44	4.000	3.937	4.000	44.000	.000	G3/4	1015	36	145.9
		16.339	38.228	1	1	A570-3C D64 60	4.000	3.937	4.000	60.000	.000	G3/4	1015	36	200.2
5	80	31.299	45.472	1	1	A570-3C D80 75R	5.000	3.150	5.000	74.803	.787	G3/4	1015	36	341.0
6	80	39.567	57.284	1	1	A570-3C D96 95R	6.000	3.150	6.000	94.488	1.378	G3/4	1015	36	578.6
8	80	53.347	76.969	1	1	A570-3C D128 126R	8.000	3.150	8.000	125.984	.000	G1	1015	36	1383.8
10	80	67.126	96.654	1	1	A570-3C D160 157R	10.000	3.150	10.000	157.480	.000	G1	1015	36	2266.0

CXSC=1 to be used with cutting heads with precision coolant

R = Right hand

For spare parts, visit www.sandvik.coromant.com

D9



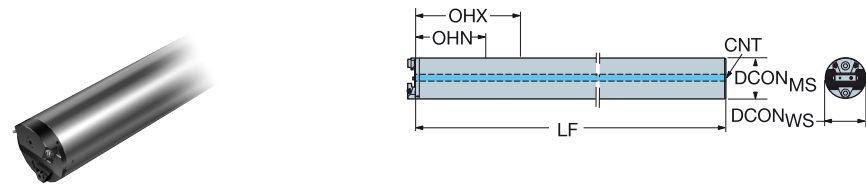
D8



D4

Cylindrical shank to CoroTurn® SL quick change damped adaptor

Carbide reinforced boring bar



SilentTools®

Metric version

							Dimensions, mm						
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LF	CNT	BAR	NM	KG
80	80	755.0	916.0	1	1	570-3C 80 1240 CR	80.0	80.0	1240.0	G3/4	70	50	84.0
		916.0	1076.0	1	1	570-3C 80 1400 CR	80.0	80.0	1400.0	G3/4	70	50	80.0
100	100/80	955.0	1155.0	1	1	570-3C 100 1560 CR	100.0	100.0	1560.0	G3/4	70	50	125.0
		1155.0	1355.0	1	1	570-3C 100 1760 CR	100.0	100.0	1760.0	G3/4	70	50	150.0

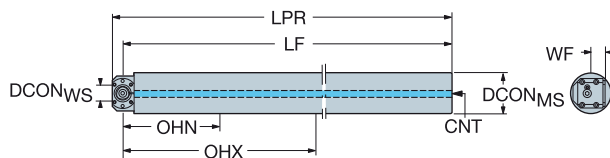
CXSC=1 to be used with cutting heads with precision coolant

For spare parts, visit www.sandvik.coromant.com

R = Right hand



Cylindrical shank to Coromant Capto® damped adaptor



● ● ● SilentTools®

							Dimensions, mm											
CZC _{MS}	CZC _{WS}	OHN	OHX	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LB ₁	LPR	LF	WF	CNT					
80	C3	298.0	778.0	1	1	CU-3C801200-C3	80.0	32.0	1234.0	1234.0	1215.0	37.0	G3/4	70	58.0			
100	C3	378.0	978.0	1	1	CU-3C1001500-C3	100.0	32.0	1534.0	1534.0	1515.0	26.0	G3/4	70	103.0			
	C4	373.0	973.0	1	1	CU-3C1001500-C4	100.0	40.0	1544.0	1544.0	1520.0	41.0	G3/4	70	90.0			

For spare parts, visit www.sandvik.coromant.com

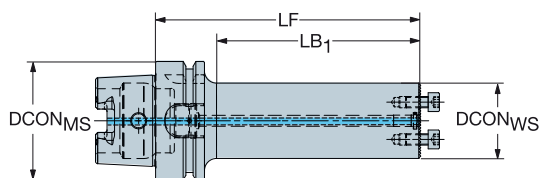


D9



D8

HSK to CoroTurn® SL damped adaptor



● ● ● SilentTools®

Metric version

					Dimensions, mm, inch					
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LB ₁	LF	BAR PSI	KG
63	32	1	1	HT06-SL32D-172	63.0	32	143	172	70	1.800
	40	1	1	HT06-SL40D-208	63.0	40	179	208	70	2.700
	40	1	1	HT10-SL40D-208	100.0	40	176	208	70	4.000
					3.937	1.575	6.929	8.189	1015	

Inch version

					Dimensions, mm, inch							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LB ₁	LF	WF	BAR PSI	KG
63	40	1	1	HT06-SL50D-268-40R	63.0	40	50	239	268	5.0	70	4.600
					2.480	1.575	1.969	9.409	10.551	.197	1015	
100	40	1	1	HT10-SL50D-268-40R	100.0	40	50	236	268	5.0	70	5.800
					3.937	1.575	1.969	9.291	10.551	.197	1015	
		1	1	HT10-SL60D-328-40R	100.0	40	60	296	328	10.0	70	8.700
					3.937	1.575	2.362	11.654	12.913	.394	1015	

Available for order 1/3 2018.

For spare parts, visit www.sandvik.coromant.com



D9



D8

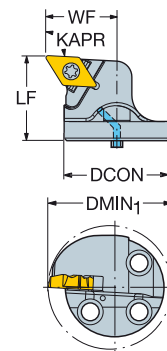
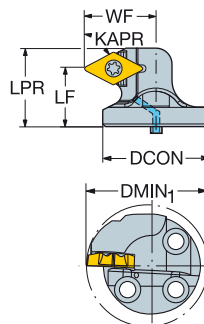
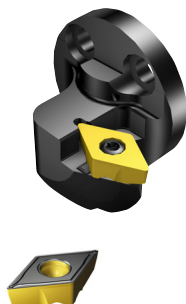


D4

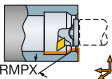
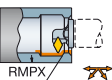
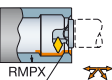
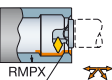
CoroTurn® TR head for turning

Screw clamp design

CoroTurn® SL - Precision coolant supply

KAPR
PSIRTR-SL-D13XCR/L..HP
62.5°
27.5°TR-SL-D13UCR/L..HP
93.0°
-3.0°

TR-DC

							Dimensions, mm, inch										
		CZC _{MS}	DMIN ₁	RMPX	CNSC	Ordering code	DCON	LPR	LF	WF				MIID			
		13	11	32	40.0	27°	1	TR-SL-D13UCR/L-32HP	32	38.0	22.0	80	3.0	0.16	TR-DC1308		
					1.575				1.260	1.496	.866	1160					
				40	50.0	27°	1	TR-SL-D13UCR/L-40HP	40	38.0	27.0	80	3.0	0.23	TR-DC1308		
					1.969				1.575	1.496	1.063	1160					
				40	54.0	27°	1	TR-SL-D13UCR/L-40HP32	40	38.0	32.0	80	3.0	0.24	TR-DC1308		
					2.126				1.575	1.496	1.260	1160					
				40	59.0	27°	1	TR-SL-D13UCR/L-40HP37	40	38.0	37.0	80	3.0	0.24	TR-DC1308		
					2.323				1.575	1.496	1.457	1160					
				40	63.0	27°	1	TR-SL-D13UCR/L-40HP43	40	38.0	43.0	80	3.0	0.27	TR-DC1308		
					2.480				1.575	1.496	1.693	1160					
		13	11	32	45.0	60°	1	TR-SL-D13XCR-32HP	32	34.0	27.0	27.0	80	3.0	0.16	TR-DC1308	
					1.772				1.260	1.339	1.063	1.063	1160				
				40	54.0	60°	1	TR-SL-D13XCR/L-40HP32	40	25.7	22.0	32.0	80	3.0	0.20	TR-DC1308	
					2.126				1.575	1.012	.866	1.260	1160				
				40	59.0	60°	1	TR-SL-D13XCR/L-40HP37	40	25.7	22.0	37.0	80	3.0	0.22	TR-DC1308	
					2.323				1.575	1.012	.866	1.457	1160				
				40	63.0	60°	1	TR-SL-D13XCR/L-40HP43	40	25.7	22.0	43.0	80	3.0	0.23	TR-DC1308	
					2.480				1.575	1.012	.866	1.693	1160				
				40	50.0	60°	1	TR-SL-D13XCR-40HP	40	29.5	22.0	29.0	80	3.0	0.19	TR-DC1308	
					1.969				1.575	1.161	.866	1.142	1160				

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts

Insert screw	Nozzle	Locating tube
5513 020-01	5691 026-03	5638 031-01

For complete list of spare parts, see www.sandvik.coromant.com

A5



D9



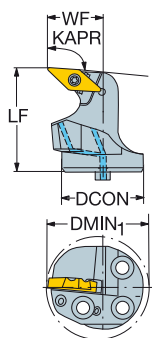
D8



D4

CoroTurn® SL - Precision coolant supply

95.0°
-5.0°

 TR-VB

R = Right hand, L = Left hand

Insert screw	Nozzle	Locating tube
5513 020-64	5691 026-03	5638 031-01

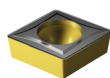
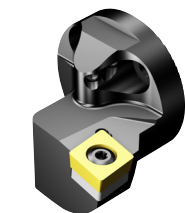
For complete list of spare parts, see www.sandvik.coromant.com



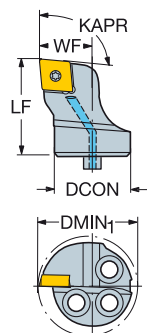
CoroTurn® 107 head for turning

Screw clamp design

CoroTurn® SL - Precision coolant supply

KAPR
PSIR95.0°
-5.0°

CCMT, CCGT
CCGX, CCET
CCMW



							Dimensions, mm, inch							
			CZC _{MS}	DMIN _i	CNSC	Ordering code	DCON	LF	WF				MIID	
	09	3/8	25	32.0	1	SL-SCLCR/L-25-09HP	25	20.0	17.0	80	3.0	0.07	CCMT 09 T3 08	
				1.260				.984	.787	.669	1160			
			32	40.0	1	SL-SCLCR/L-32-09HP	32	32.0	22.0	80	3.0	0.13	CCMT 09 T3 08	
				1.575				1.260	1.260	.866	1160			
		12	1/2	40	50.0	1	SL-SCLCR/L-40-12HP	40	38.0	27.0	80	3.0	0.24	CCMT 12 04 08
			1.969					1.575	1.496	1.063	1160			

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts					
Ordering code	Insert screw	Shim	Shim screw	Locating tube	Nozzle
SL-SCLCR/L-25-09HP	5513 020-09			5552 058-02	5691 026-13
SL-SCLCR/L-32-09HP	5513 020-09			5638 031-01	5691 026-13
SL-SCLCR/L-40-12HP	5513 020-18	5322 232-02	5512 090-03	5638 031-01	5691 026-03

For complete list of spare parts, see www.sandvik.coromant.com

A5



D9



D8



D4

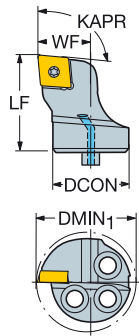
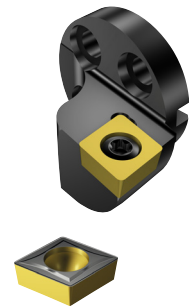
CoroTurn® 107 head for turning

Screw clamp design

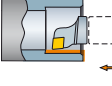
CoroTurn® SL - Internal coolant supply

KAPR
PSIR

95.0°
-5.0°



- CCMT, CCGT
CCGX, CCET
- CCMW

										Dimensions, mm, inch						
			CZC _{MS}	DMIN ₁	CNSC	Ordering code	DCON	LF	WF				MIID			
	06	1/4	16	20.0	1	570-SCLCR/L-16-06	16	20.0	11.0	10	0.9	0.03	CCMT 06 02 04			
				.787			.630	.787	.433	145						
	09	3/8	20	25.0	1	570-SCLCR/L-20-09	20	20.0	13.0	10	3.0	0.05	CCMT 09 T3 08			
				.984			.787	.787	.512	145						

For inserts, see Turning tools catalogue R = Right hand, L = Left hand

Spare parts		
Ordering code	Insert screw	Locating tube
570-SCLCR/L-16-06	5513 020-03	5552 058-01
570-SCLCR/L-20-09	5513 020-09	5552 058-02

For complete list of spare parts, see www.sandvik.coromant.com

A5

D9

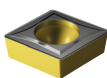
D8

D4

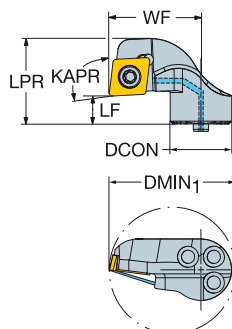
CoroTurn® 107 head for back boring

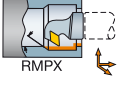
Screw clamp design

CoroTurn® SL - Precision coolant supply

KAPR
PSIR93.0°
-3.0°

CCMT, CCGT
CCGX, CCET
CCMW



							Ordering code	Dimensions, mm, inch							MIID
			CZC _{MS}	DMIN _i	RMPX	CNSC		DCON	LPR	LF	WF				
	09	3/8	16	33.0	7°	1	SL-SCUCR-16-09-16X	16	22.0	7.0	24.0	70	3.0	0.05	CCMT 09 T3 08
				1.299				.630	.866	.276	.945	1015			
			20	41.0	7°	1	SL-SCUCR-20-09-20X	20	22.0	7.0	30.0	70	3.0	0.07	CCMT 09 T3 08
				1.614				.787	.866	.276	1.181	1015			
			25	44.0	7°	1	SL-SCUCR-25-09-18X	25	24.0	7.0	30.5	70	3.0	0.09	CCMT 09 T3 08
				1.732				.984	.945	.276	1.201	1015			
			32	50.0	7°	1	SL-SCUCR-32-09-16X	32	24.0	8.0	32.0	70	3.0	0.12	CCMT 09 T3 08
				1.969				1.260	.945	.315	1.260	1015			
			40	60.0	7°	1	SL-SCUCR-40-09-18X	40	24.0	8.0	38.0	70	3.0	0.18	CCMT 09 T3 08
			2.362					1.575	.945	.315	1.496	1015			
			40	68.0	7°	1	SL-SCUCR-40-09-26X	40	24.0	8.0	46.0	70	3.0	0.21	CCMT 09 T3 08
			2.677					1.575	.945	.315	1.811	1015			

For inserts, see Turning tools catalogue

Ordering code	Spare parts	
	Insert screw	Locating tube
SL-SCUCR-16-09-16X	5513 020-09	5552 058-01
SL-SCUCR-20-09-20X	5513 020-09	5552 058-02
SL-SCUCR-25-09-18X	5513 020-09	5552 058-02
SL-SCUCR-32-09-16X	5513 020-09	5638 031-01
SL-SCUCR-40-09-18X	5513 020-09	5638 031-01
SL-SCUCR-40-09-26X	5513 020-09	5638 031-01

For complete list of spare parts, see www.sandvik.coromant.com

A5



D9



D8

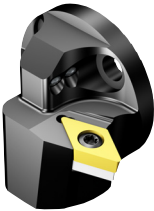


D4

CoroTurn® 107 head for turning

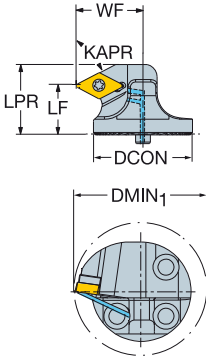
Screw clamp design

CoroTurn® SL - Precision coolant supply

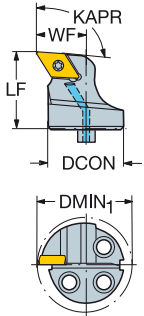



KAPR
PSIR

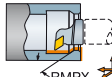
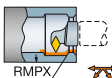
SL-SDXCR/L-DHP
62.5°
27.5°



SL-SDUCR/L...HP
93.0°
-3.0°



DCMT, DCMX
 DCGT, DCGX, DCET
 DCMW

								Dimensions, mm, inch							
			CZC _{MS}	DMIN _I	RMPX	CNSC	Ordering code	DCON	LPR	LF	WF				MIID
	11	3/8	25	32.0	27°	1	SL-SDUCR/L-25-11HP	25		23.0	17.0	80	3.0	0.08	DCMT 11 T3 08
				1.260				.984		.906	.669	1160			
			32	40.0	27°	1	SL-SDUCR/L-32-11HP	32		32.0	22.0	80	3.0	0.14	DCMT 11 T3 08
				1.575				1.260		1.260	.866	1160			
			40	50.0	27°	1	SL-SDUCR/L-40-11HP	40		32.0	27.0	80	3.0	0.21	DCMT 11 T3 08
				1.969				1.575		1.260	1.063	1160			
	11	3/8	32	40.0	60°	1	SL-SDXCR/L-32-11HP	32	28.0	20.0	22.0	80	3.0	0.12	DCMT 11 T3 08
				1.575				1.260	1.102	.787	.866	1160			
			40	50.0	60°	1	SL-SDXCR/L-40-11HP	40	28.0	20.0	27.0	80	3.0	0.19	DCMT 11 T3 08
				1.969				1.575	1.102	.787	1.063	1160			
	07	1/4	25	33.0	60°	1	SL-SDXCR/L-25-07-DHP	25	19.7	15.0	18.0	80	0.9	0.07	DCMT 07 02 04
				1.299				.984	.776	.591	.709	1160			

For inserts, see Turning tools catalogue R = Right hand, L = Left hand

Spare parts					
Ordering code	Insert screw	Shim	Shim screw	Locating tube	Nozzle
SL-SDXCR/L-25-07-DHP	5513 020-03			5552 058-02	5691 026-13
SL-SDUCR/L-25-11HP	5513 020-10			5552 058-02	5691 026-13
SL-SDUCR/L-32-11HP	5513 020-01	5322 263-01	5512 090-01	5638 031-01	5691 026-13
SL-SDXCR/L-32-11HP	5513 020-01	5322 263-01	5512 090-01	5638 031-01	5691 026-13
SL-SDUCR/L-40-11HP	5513 020-01	5322 263-01	5512 090-01	5638 031-01	5691 026-03
SL-SDXCR/L-40-11HP	5513 020-01	5322 263-01	5512 090-01	5638 031-01	5691 026-03

For complete list of spare parts, see www.sandvik.coromant.com

A5

D9

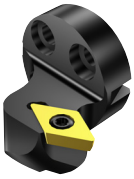
D8

D4

CoroTurn® 107 head for turning

Screw clamp design

CoroTurn® SL - Internal coolant supply

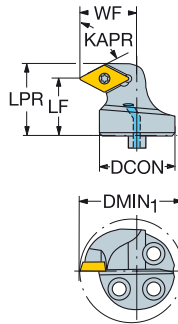


 DCMT, DCMX
DCGT, DCGX, DCET

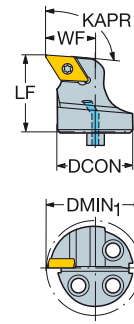
 DCMW

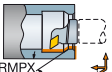
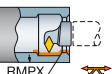
KAPR
PSIR

570-SDXCR/L
62.5°
27.5°



570-SDUCR/L
93.0°
-3.0°



									Dimensions, mm, inch								
				CZC _{MS}	DMIN ₁	RMPX	CNSC	Ordering code	DCON	LPR	LF	WF				MIID	
	07	1/4	16	20.0	27°	8	570-SDUCR/L-16-07	16	20.0	11.0	10	0.9	0.03	DCMT 07 02 04			
				.787				.630	.787	.433	145						
	11	3/8	20	25.0	27°	8	570-SDUCR/L-20-11	20	20.0	13.0	10	3.0	0.05	DCMT 11 T3 08			
				.984				.787	.787	.512	145						
	07	1/4	16	22.0	60°	1	570-SDXCR/L-16-07-E	16	18.8	15.0	13.0	10	0.9	0.03	DCMT 07 02 04		
				.866				.630	.740	.591	.512	145					
			20	27.0	60°	1	570-SDXCR/L-20-07-E	20	18.8	15.0	15.0	10	0.9	0.04	DCMT 07 02 04		
				1.063				.787	.740	.591	.591	145					

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

	Spare parts	
Ordering code	Insert screw	Locating tube
570-SDUCR/L-16-07	5513 020-03	5552 058-01
570-SDXCR/L-16-07-E	5513 020-03	5552 058-01
570-SDXCR/L-20-07-E	5513 020-03	5552 058-02
570-SDUCR/L-20-11	5513 020-09	5552 058-02

For complete list of spare parts, see www.sandvik.coromant.com



A5



D9



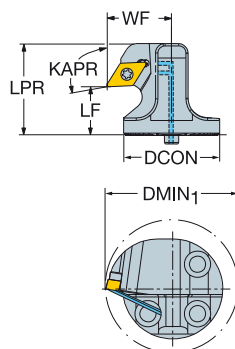
D8



D4

CoroTurn® SL - Precision coolant supply

93.0°
-3.0°

 DCMW

RMPX

R = Right hand, L = Left hand

C

For complete list of spare parts, see www.sandvik.coromant.com



CoroTurn® 107 head for back boring

Screw clamp design

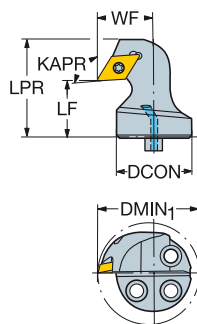
CoroTurn® SL - Internal coolant supply

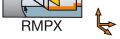
KAPR
PSIR

93.0°
-3.0°



DCMT, DCMX
DCGT, DCGX, DCET
DCMW



							Dimensions, mm, inch									
 RMPX			CZC _{MS}	DMIN ₁	RMPX	CNSC	Ordering code	DCON	LPR	LF	WF				MIID	
	07	1/4	16	22.0	27°	1	570-SDUCR/L-16-07-EX	16	26.6	15.0	13.0	10	0.9	0.03	DCMT 07 02 04	
				.866				.630	1.047	.591	.512	145				
			20	27.0	27°	1	570-SDUCR/L-20-07-EX	20	26.6	15.0	15.0	10	0.9	0.05	DCMT 07 02 04	
				1.063				.787	1.047	.591	.591	145				

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts		
Ordering code	Insert screw	Locating tube
570-SDUCR/L-16-07-EX	5513 020-03	5552 058-01
570-SDUCR/L-20-07-EX	5513 020-03	5552 058-02

For complete list of spare parts, see www.sandvik.coromant.com



A5



D9



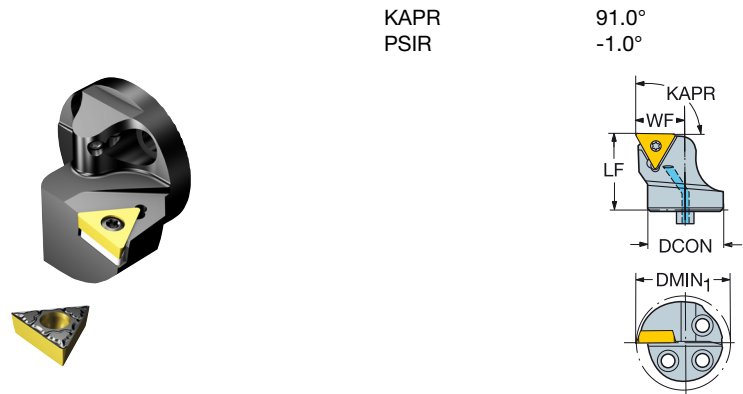
D8



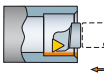
D4

CoroTurn® 107 head for turning

Screw clamp design
CoroTurn® SL - Precision coolant supply



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

Dimensions, mm, inch									
		CZC _{MS}	DMIN ₁	CNSC	Ordering code	DCON	LF	WF	MIID
	11 1/4	25	32.0	1	SL-STFCR/L-25-11-B1HP	25	20.0	17.0	TCMT 11 03 04
			1.260			.984	.787	.669	
	16 3/8	32	40.0	1	SL-STFCR/L-32-16HP	32	32.0	22.0	TCMT 16 T3 08
			1.575			1.260	1.260	.866	
		40	50.0	1	SL-STFCR/L-40-16HP	40	32.0	27.0	TCMT 16 T3 08
			1.969			1.575	1.260	1.063	

For inserts, see Turning tools catalogue R = Right hand, L = Left hand

Spare parts					
Ordering code	Insert screw	Shim	Shim screw	Locating tube	Nozzle
SL-STFCR/L-25-11-B1HP	5513 020-03	5322 320-01	5512 090-01	5552 058-02	5691 026-13
SL-STFCR/L-32-16HP	5513 020-01	5322 320-01	5512 090-01	5638 031-01	5691 026-13
SL-STFCR/L-40-16HP	5513 020-01	5322 320-01	5512 090-01	5638 031-01	5691 026-03

For complete list of spare parts, see www.sandvik.coromant.com



CoroTurn® 107 head for turning

Screw clamp design

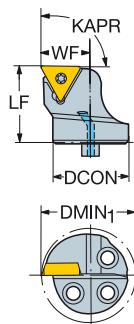
CoroTurn® SL - Internal coolant supply

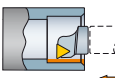
KAPR
PSIR

91.0°
-1.0°



 TCMT, TCMX,
TCGT, TCGX
TCEX
 TCMW



						Dimensions, mm, inch						
			CZC _{MS}	DMIN ₁	CNSC	Ordering code	DCON	LF	WF			MIID
	09	7/32	16	20.0	8	570-STFCR/L-16-09	16	20.0	11.0	0.9	0.03	TCMT 09 02 04
				.787			.630	.787	.433			
	11	1/4	16	20.0	8	570-STFCR/L-16-11-B1	16	20.0	11.0	0.9	0.03	TCMT 11 03 04
				.787			.630	.787	.433			
			20	25.0	8	570-STFCR/L-20-11-B1	20	20.0	13.0	0.9	0.04	TCMT 11 03 04
				.984			.787	.787	.512			

B1 = For insert with thickness 03 = 3.18 mm (2 = 1/8").

R = Right hand, L = Left hand

For inserts, see Turning tools catalogue

Spare parts		
Ordering code	Insert screw	Locating tube
570-STFCR/L-16-09	5513 020-05	5552 058-01
570-STFCR/L-16-11-B1	5513 020-03	5552 058-01
570-STFCR/L-20-11-B1	5513 020-03	5552 058-02

For complete list of spare parts, see www.sandvik.coromant.com



A5



D9



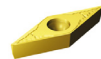
D4

CoroTurn® 107 head for turning

Screw clamp design

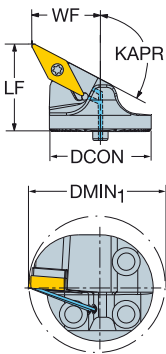
CoroTurn® SL - Precision coolant supply

KAPR
PSIR

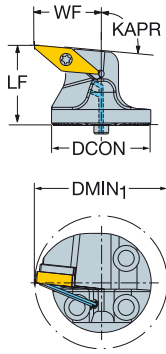


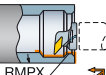
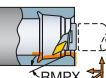
VBMT, VBGT
VCGX, VCEX,
VCGT, VCET
VBMW, VCMW

SL-SVPBR/L..LHP
117.5°
-27.5°



SL-SVLBR/L..HP
95.0°
-5.0°



								Dimensions, mm, inch							
				CZC _{MS}	DMIN ₁	RMPX	CNSC	Ordering code	DCON	LF	WF				MIID
	16	3/8	32	40.0	45°	1	SL-SVLBR/L-32-16HP	32	32.0	22.0	80	3.0	0.13	VBMT 16 04 08	
				1.575				1.260	1.260	.866	1160				
			40	50.0	45°	1	SL-SVLBR/L-40-16HP	40	32.0	27.0	80	3.0	0.19	VBMT 16 04 08	
				1.969				1.575	1.260	1.063	1160				
			25	35.0	45°	1	SL-SVLBR/L-25-16-LFHP	25	25.0	20.0	80	3.0	0.08	VBMT 16 04 08	
				1.378				.984	.984	.787	1160				
	16	3/8	32	40.0	25°	1	SL-SVPBR/L-32-16-LHP	32	34.0	22.0	80	3.0	0.12	VBMT 16 04 08	
				1.575				1.260	1.339	.866	1160				
			40	50.0	25°	1	SL-SVPBR/L-40-16-LHP	40	34.0	27.0	80	3.0	0.17	VBMT 16 04 08	
				1.969				1.575	1.339	1.063	1160				

For inserts, see Turning tools catalogue R = Right hand, L = Left hand

Spare parts					
Ordering code	Insert screw	Shim	Shim screw	Locating tube	Nozzle
SL-SVLBR/L-25-16-LFHP	5513 020-10			5552 058-02	5691 026-13
SL-SVLBR/L-32-16HP	5513 020-01	5322 270-01	5512 090-01	5638 031-01	5691 026-13
SL-SVLBR/L-40-16HP	5513 020-01	5322 270-01	5512 090-01	5638 031-01	5691 026-13

For complete list of spare parts, see www.sandvik.coromant.com



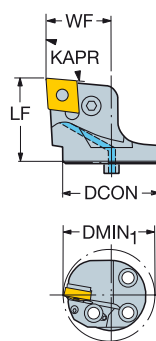
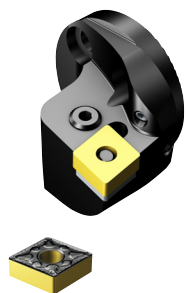
T-Max® P head for turning

Lever clamp design

CoroTurn® SL - Precision coolant supply

KAPR
PSIR

95.0°
-5.0°



CNMM
 CNMG
 CNMA, CNGA

					Ordering code	Dimensions, mm, inch						MIID
						DCON	LF	WF	BAR PSI	NM	KG	
	09	3/8	25	34.0	1	25	28.0	19.0	80	1.7	0.08	CNMG 09 03 08
				1.339		.984	1.102	.748	1160			
	12	1/2	32	40.0	1	32	36.0	22.0	80	5.0	0.16	CNMG 12 04 08
				1.575		1.260	1.417	.866	1160			
			40	50.0	1	40	35.0	27.0	80	5.0	0.21	CNMG 12 04 08
				1.969		1.575	1.378	1.063	1160			
	16	5/8	40	56.0	1	40	42.0	27.0	80	5.0	0.27	CNMG 16 06 08
				2.205		1.575	1.654	1.063	1160			

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts						
Ordering code	Lever	Screw	Shim	Shim pin	Locating tube	Nozzle
SL-PCLNR/L-25-09HP-G	174.3-845-1	174.3-829			5552 058-02	5691 026-13
SL-PCLNR/L-32-12HP	174.3-848M	174.3-858	171.31-850M	174.3-861	5638 031-01	5691 026-03
SL-PCLNR/L-40-12HP	174.3-841M	174.3-821	171.31-850M	174.3-861	5638 031-01	5691 026-03
SL-PCLNR/L-40-16HP	438.3-840	438.3-831	171.31-852	174.3-864	5638 031-01	5691 026-03

For complete list of spare parts, see www.sandvik.coromant.com



A5



D9

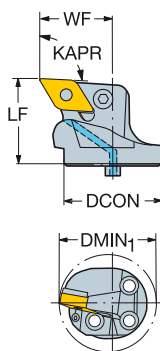


D8



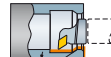
D4

CoroTurn® SL - Precision coolant supply



B

 DNMA, DNGA

							Dimensions, mm, inch								
			CZC _{MS}	DMIN _i	RMPX	CNSC	Ordering code	DCON	LF	WF				MIID	
	11	3/8	25	38.0	27°	1	SL-PDUNR/L-25-11HP-G	25	32.0	21.0	80	2.0	0.10	DNMG 11 04 08	
				1.496				.984	1.260	.827	1160				
			32	40.0	27°	1	SL-PDUNR/L-32-11HP	32	32.0	22.0	80	2.0	0.13	DNMG 11 04 08	
				1.575				1.260	1.260	.866	1160				
	15	1/2	40	56.0	27°	1	SL-PDUNR/L-40-15HP	40	36.0	30.0	80	5.0	0.24	DNMG 15 06 08	
				2.205				1.575	1.417	1.181	1160				

R = Right hand, L = Left hand

For inserts, see Turning tools catalogue

C

	Spare parts					
Ordering code	Lever	Screw	Shim	Shim pin	Locating tube	Nozzle
SL-PDUNR/L-25-11HP-G	5432 015-021	438.3-830			5552 058-02	5691 026-13
SL-PDUNR/L-32-11HP	5432 001-01	174.3-820M	5322 255-01	174.3-860	5638 031-01	5691 026-03
SL-PDUNR/L-40-15HP	174.3-847M	174.3-830	171.35-851M	174.3-861	5638 031-01	5691 026-03

For complete list of spare parts, see www.sandvik.coromant.com

D



D4

T-Max® P head for turning

Lever clamp design

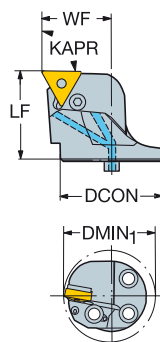
CoroTurn® SL - Precision coolant supply

KAPR
PSIR

91.0°
-1.0°



TNMM, TNMX
 TNMG
 TNMA, TNGA



						Dimensions, mm, inch							
				Ordering code	DCON	LF	WF				MIID		
	16	3/8	32	40.0	1	SL-PTFNR/L-32-16HP	32	35.0	22.0	80	2.0	0.16	TNMG 16 04 08
				1.575			1.260	1.378	.866	1160			
			40	50.0	1	SL-PTFNR/L-40-16HP	40	35.0	27.0	80	2.0	0.23	TNMG 16 04 08
				1.969			1.575	1.378	1.063	1160			

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts

Lever	Screw	Shim	Shim pin	Locating tube	Nozzle
174.3-840M	174.3-820M	179.3-850M	174.3-860	5638 031-01	5691 026-03

For complete list of spare parts, see www.sandvik.coromant.com



A5



D9



D8

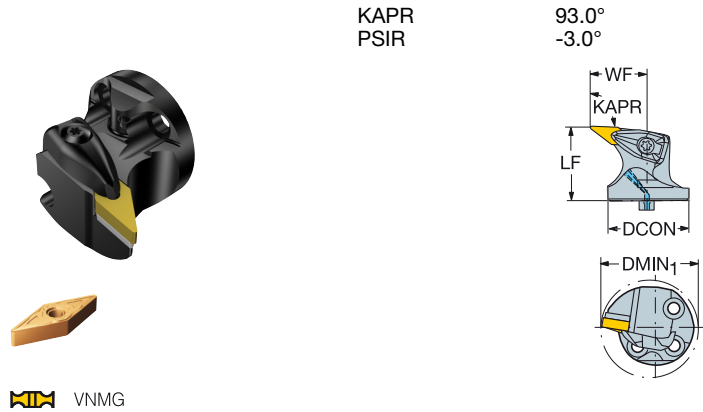


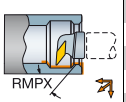
D4

T-Max® P head for turning

Rigid clamp design

CoroTurn® SL - Internal coolant supply



								Dimensions, mm, inch						
			CZC _{MS}	DMIN ₁	RMPX	CNSC	Ordering code	DCON	LF	WF				MIID
	16	3/8	40	52.0	25°	1	570-DVUNR/L-40-16	40	36.0	30.0	10	3.0	0.24	VNMG 16 04 08
	2.047							1.575	1.417	1.181	145			

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts			
Shim screw	Shim	Clamp set	Locating tube
5513 020-09	5322 269-01	5412 028-061	5638 031-01

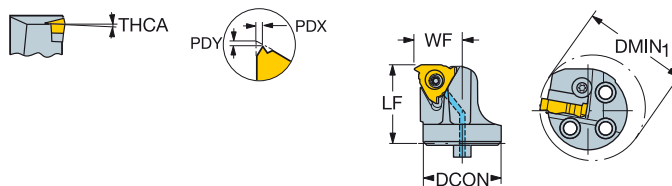
For complete list of spare parts, see www.sandvik.coromant.com



CoroThread® 266 head for thread turning

Screw clamp design

CoroTurn® SL - Internal coolant supply



266 R/LL

					Ordering code	Dimensions, mm, inch							MIID
			CZC _{MS}	DMIN ₁	CNSC	DCON	LF	WF	THCA				
	16	3/8	20	25.0	1	SL-266R/LKF-202514-16	20	25.0	14.0	1°	10	3.0	0.06
				.984			.787	.984	.551	1°	145		
			25	32.0	1	SL-266R/LKF-252517-16	25	25.0	17.0	1°	10	3.0	0.08
				1.260			.984	.984	.669	1°	145		
			32	40.0	1	SL-266R/LKF-323222-16	32	32.0	22.0	1°	10	3.0	0.16
				1.575			1.260	1.260	.866	1°	145		
			40	50.0	1	SL-266R/LKF-403227-16	40	32.0	27.0	1°	10	3.0	0.22
				1.969			1.575	1.260	1.063	1°	145		
	22	1/2	25	32.0	1	SL-266R/LKF-252819-22	25	28.0	19.0	1°	10	5.0	0.09
				1.260			.984	1.102	.748	1°	145		
			32	40.0	1	SL-266R/LKF-323222-22	32	32.0	21.9	1°	10	5.0	0.13
				1.575			1.260	1.260	.862	1°	145		
			40	50.0	1	SL-266R/LKF-403227-22	40	32.0	26.9	1°	10	5.0	0.20
				1.969			1.575	1.260	1.059	1°	145		
	27	5/8	40	50.0	1	SL-266R/LKF-403627-27	40	36.0	26.9	1°	10	7.5	0.23
				1.969			1.575	1.417	1.059	1°	145		

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Ordering code	Spare parts			
	Screw	Left hand shim	Right hand shim	Shim screw
SL-266R/LKF-202514-16	5513 020-02			
SL-266R/LKF-252517-16	5513 020-13	5322 389-11	5322 390-11	5512 032-05
SL-266R/LKF-323222-16	5513 020-13	5322 389-11	5322 390-11	5512 032-05
SL-266R/LKF-403227-16	5513 020-13	5322 389-11	5322 390-11	5512 032-05
SL-266R/LKF-252819-22	5513 020-07			
SL-266R/LKF-323222-22	5513 020-26	5322 379-11	5322 380-11	5512 032-04
SL-266R/LKF-403227-22	5513 020-26	5322 379-11	5322 380-11	5512 032-04
SL-266R/LKF-403627-27	5513 020-66	5322 387-11	5322 388-11	5512 032-03

For complete list of spare parts, see www.sandvik.coromant.com

A5



D9



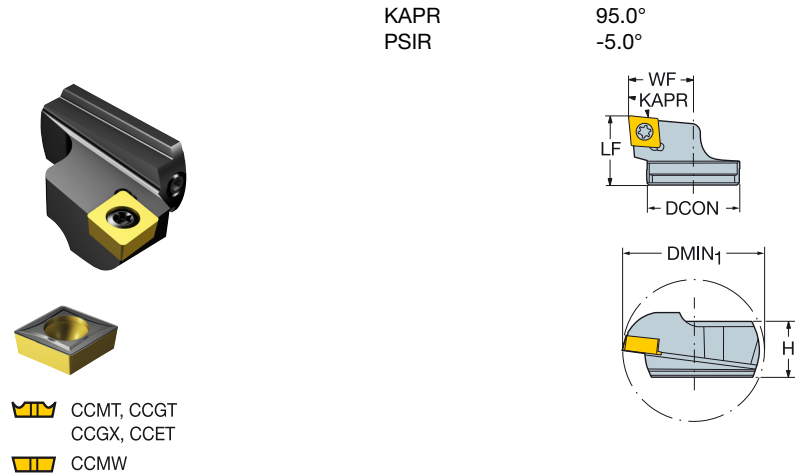
D8

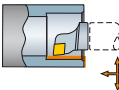


D4

CoroTurn® 107 head for turning

Screw clamp design
CoroTurn® SL Quick Change



					Dimensions, mm, inch							
			CZC _{MS}	DMIN ₁	Ordering code	DCON	H	LF	WF			MIID
	09	3/8	32	40.0	SL-SCLCR-32-09-QC	32	14.7	22.0	21.0	3.0	0.08	CCMT 09 T3 08
				1.575		1.260	.579	.866	.827			

For inserts, see Turning tools catalogue

Spare parts		
Screw	Locating tube	Adjustment screw
5513 020-10	5638 031-01	5514 060-10

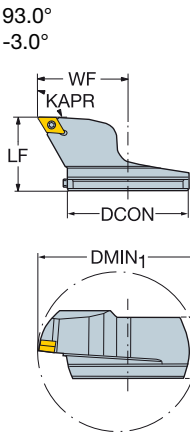
For complete list of spare parts, see www.sandvik.coromant.com



CoroTurn® 107 head for turning

Screw clamp design
CoroTurn® SL Quick Change

KAPR
PSIR



- DCMT, DCMX
DCGT, DCGX, DCET
- DCMW

						Dimensions, mm, inch									
			CZC _{MS}	DMIN ₁	RMPX	Ordering code	DCON	H	LF	WF			MIID		
	11	3/8	80	100.0	27°	570-SDUCR/L-80-11	80	37.5	45.7	57.0	3.0	0.55	DCMT 11 T3 08		
				3.937			3.150	1.476	1.799	2.244					

For inserts, see Turning tools catalogue R = Right hand, L = Left hand

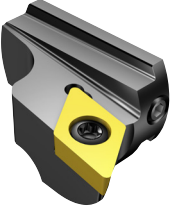
Spare parts			
Insert screw	Shim	Shim screw	Adjustment screw
5513 020-01	5322 263-01	5512 090-01	3214 020-311

For complete list of spare parts, see www.sandvik.coromant.com



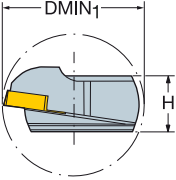
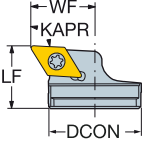
CoroTurn® 107 head for turning

Screw clamp design
CoroTurn® SL Quick Change

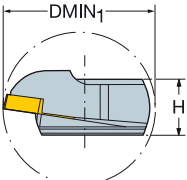
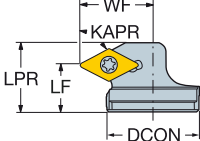


KAPR
PSIR

93.0°
-3.0°

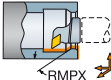
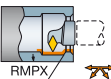
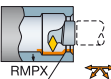


62.5°
27.5°



 DCMT, DCMX
DCGT, DCGX, DCET

 DCMW

						Dimensions, mm, inch											
		CZC _{MS}	DMIN ₁	RMPX	Ordering code											MID	
						DCON	H	LPR	LF	WF							
	11	3/8	32	40.0	27°	SL-SDUCR-32-11-QC	32	14.7	LPR	20.0	21.0	3.0	0.08	DCMT 11 T3 08			
							1.260	.579		.787	.827						
	11	3/8	32	40.0	60°	SL-SDXCR-32-11-QC	32	14.7	22.0	15.0	24.0	3.0	0.08	DCMT 11 T3 08			
							1.260	.579	.866	.591	.945						

For inserts, see Turning tools catalogue

Spare parts		
Screw	Locating tube	Adjustment screw
5513 020-10	5638 031-01	5514 060-10

For complete list of spare parts, see www.sandvik.coromant.com

 A5

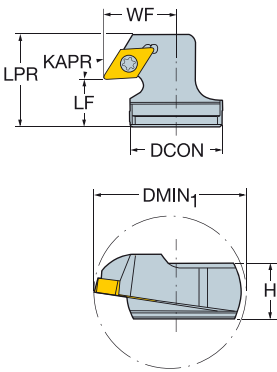
 D9

 D4

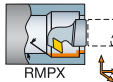
CoroTurn® 107 head for back boring

Screw clamp design
CoroTurn® SL Quick Change

KAPR
PSIR
93.0°
-3.0°



- DCMT, DCMX
DCGT, DCGX, DCET
- DCMW

							Dimensions, mm, inch									
			CZC _{MS}	DMIN ₁	RMPX	Ordering code	DCON	H	LPR	LF	WF			MIID		
	11	3/8	32	40.0	27°	SL-SDUCR-32-11X-QC	32	14.7	30.0	15.0	24.0	3.0	0.10	DCMT 11 T3 08		
	1.575						1.260	.579	1.181	.591	.945					

For inserts, see Turning tools catalogue

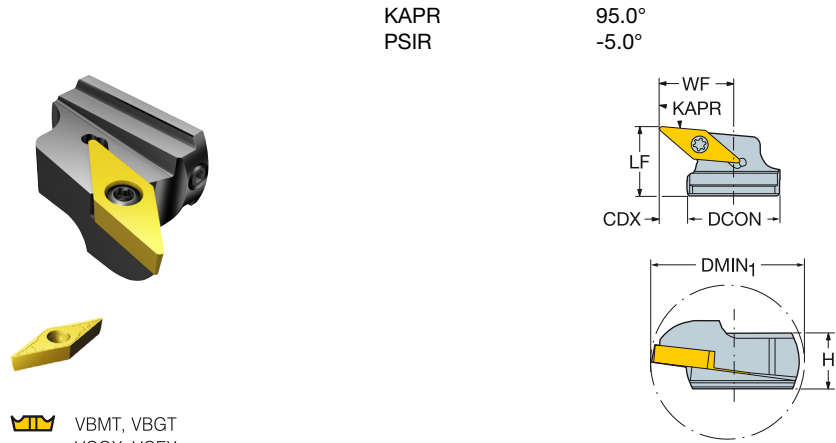
Spare parts		
Screw	Locating tube	Adjustment screw
5513 020-10	5638 031-01	5514 060-10

For complete list of spare parts, see www.sandvik.coromant.com

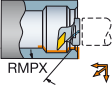


CoroTurn® 107 head for turning

Screw clamp design
CoroTurn® SL Quick Change



-  VBMT, VBG
VCGX, VCEX,
VCGT, VCET
-  VBMT, VCGX,
VCEX, VCGT,
VCET

Dimensions, mm, inch									
		CZC _{MS}	DMIN ₁	RMPX	Ordering code	DCON	H	LF	WF
	16	3/8	32	40.0	45°	32	14.7	22.0	24.0
			1.575		SL-SVLBR-32-16-QC	1.260	.579	.866	.945

For inserts, see Turning tools catalogue

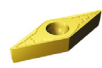
Spare parts		
Screw	Locating tube	Adjustment screw
5513 020-10	5638 031-01	5514 060-10

For complete list of spare parts, see www.sandvik.coromant.com



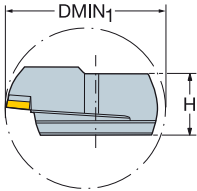
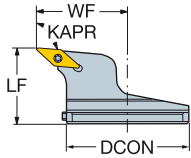
CoroTurn® 107 head for turning

Screw clamp design
CoroTurn® SL quick change



KAPR
PSIR

95.0°
-5.0°





VBMT, VBGX,
VCEX, VCGT,
VCET



VBMT, VBGX,
VCEX, VCGT,
VCET

							Dimensions, mm, inch						
		CZC _{MS}	DMIN ₁	RMPX	Ordering code		DCON	H	LF	WF			MIID
	16 3/8	80	100.0	45°	570-SVLBR/L-80-16		80	37.5	45.7	57.0	3.0	0.49	VBMT 16 04 08
			3.937				3.150	1.476	1.799	2.244			



RMPX



For inserts, see Turning tools catalogue R = Right hand, L = Left hand

Spare parts			
Insert screw	Shim	Shim screw	Adjustment screw
5513 020-01	5322 270-01	5512 090-01	3214 020-311

For complete list of spare parts, see www.sandvik.coromant.com



A5



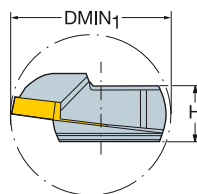
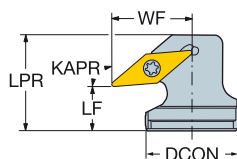
D9



D4

CoroTurn® SL Quick Change

A 3D model of a grey metal vise. A yellow wedge-shaped insert is placed inside the vise's jaws. The insert has a circular hole in its center. The vise is shown from a side-on perspective, highlighting its adjustable nature.



	VBMT, VBG VCGX, VCEX, VCGT, VCET
	VBMW, VCMW

[illegible]

Spare parts

Screw	Locating tube	Adjustment screw
5513 020-10	5638 031-01	5514 060-10

For complete list of spare parts, see www.sandvik.coromant.com



D4

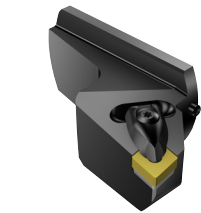
T-Max® P head for turning

Rigid clamp design

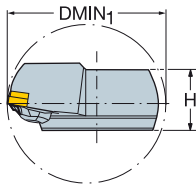
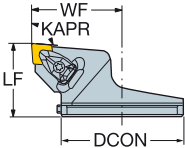
CoroTurn® SL Quick Change

KAPR
PSIR

95.0°
-5.0°



- CNMM
- CNMG
- CNMA, CNGA



						Dimensions, mm, inch										
				CZC _{MS}	DMIN ₁	Ordering code	DCON	H	LF	WF			MIID			
				12	1/2	80	100.0	570-DCLNR/L-80-12	80	37.5	45.0	57.0	3.9	0.56	CNMG 12 04 08	
						3.937			3.150	1.476	1.772	2.244				
				16	5/8	80	100.0	570-DCLNR/L-80-16	80	37.5	45.0	57.0	6.4	0.60	CNMG 16 06 12	
						3.937			3.150	1.476	1.772	2.244				

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts				
Ordering code	Shim screw	Shim	Clamp set	Adjustment screw
570-DCLNR/L-80-12	5513 020-02	5322 236-03	5412 028-021	5514 060-12
570-DCLNR/L-80-16	5513 020-07	5322 234-03	5412 028-031	5514 060-12

For complete list of spare parts, see www.sandvik.coromant.com



T-Max® P head for turning

Rigid clamp design
CoroTurn® SL Quick Change

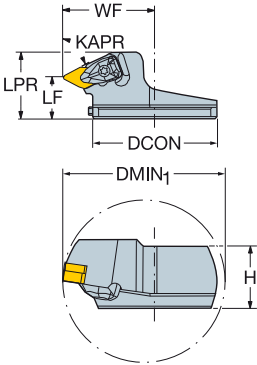



 DNMM, DNMX
 DNMG
 DNMA, DNGA

KAPR
PSIR

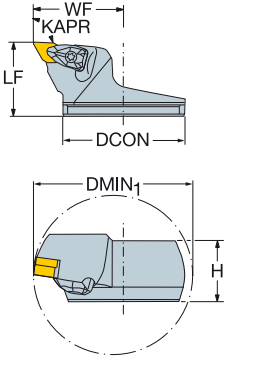
570-DDXNR/L-80

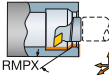
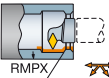
62.5°
27.5°



570-DDUNR/L-80

93.0°
-3.0°



		Dimensions, mm, inch											
	 CZC_{MS}	DMIN₁	RMPX	Ordering code	DCON	H	LPR	LF	WF	NM	KG	MIID	
	15	1/2	80	100.0 27°	570-DDUNR/L-80-15	80	37.5	45.0	57.0	3.9	0.55	DNMG 15 06 08	
				3.937		3.150	1.476	1.772	2.244				
	15	1/2	80	100.0 60°	570-DDXNR/L-80-15	80	37.5	40.3	25.0	57.0	3.9	0.50	DNMG 15 06 08
				3.937		3.150	1.476	1.587	.984	2.244			

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts				
Ordering code	Shim screw	Shim	Clamp set	Adjustment screw
570-DDUNR/L-80-15	5513 020-02	5322 266-02	5412 028-021	5514 060-12
570-DDXNR/L-80-15	5513 020-02	5322 266-02	5412 028-021	5514 060-12

For complete list of spare parts, see www.sandvik.coromant.com



A5



D9

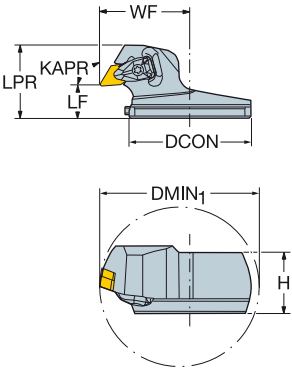


D4

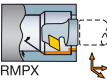
T-Max® P head for back boring

Rigid clamp design
CoroTurn® SL Quick Change

KAPR
PSIR
93.0°
-3.0°



- DNMM, DNMX
- DNMG
- DNMA, DNGA

						Dimensions, mm, inch									
		CZC _{MS}	DMIN ₁	RMPX	Ordering code	DCON	H	LPR	LF	WF			MIID		
	15	1/2	80	100.0	27°	570-DDUNR/L-80-15X	80	37.5	45.0	20.0	57.0	3.9	0.55	DNMG 15 06 08	
				3.937			3.150	1.476	1.772	.787	2.244				

For inserts, see Turning tools catalogue R = Right hand, L = Left hand

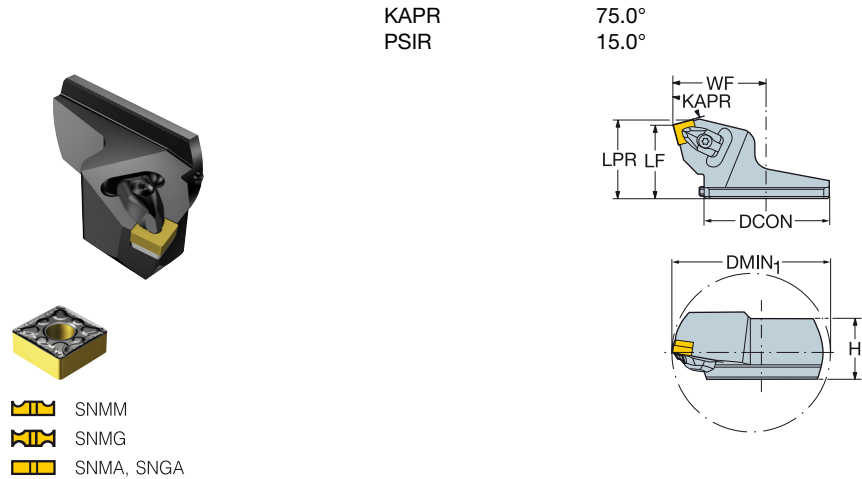
Spare parts			
Shim screw	Shim	Clamp set	Adjustment screw
5513 020-02	5322 266-02	5412 028-021	5514 060-12

For complete list of spare parts, see www.sandvik.coromant.com



T-Max® P head for turning

Rigid clamp design
CoroTurn® SL Quick Change



							Dimensions, mm, inch							
			CZC _{MS}	DMIN ₁	RMPX	Ordering code	DCON	H	LPR	LF	WF			MID
	15	5/8	80	100.0	10°	570-DSKNR/L-80-15	80	37.5	48.1	45.0	57.0	6.4	0.60	SNMG 15 06 12
				3.937			3.150	1.476	1.892	1.772	2.244			

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts			
Shim screw	Shim	Clamp set	Adjustment screw
5513 020-07	5322 425-03	5412 028-031	5514 060-12

For complete list of spare parts, see www.sandvik.coromant.com

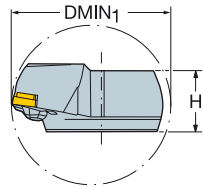
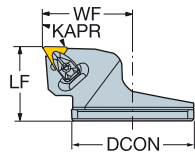


T-Max® P head for turning

Rigid clamp design
CoroTurn® SL Quick Change

KAPR
PSIR

91.0°
-1.0°



- TNMM, TNMX
- TNMG
- TNMA, TNGA

						Dimensions, mm, inch							
					Ordering code	DCON	H	LF	WF			MIID	
	16	3/8	80	100.0	570-DTFNR/L-80-16	80	37.5	45.0	57.0	1.7	0.60	TNMG 16 04 08	
				3.937		3.150	1.476	1.772	2.244				

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

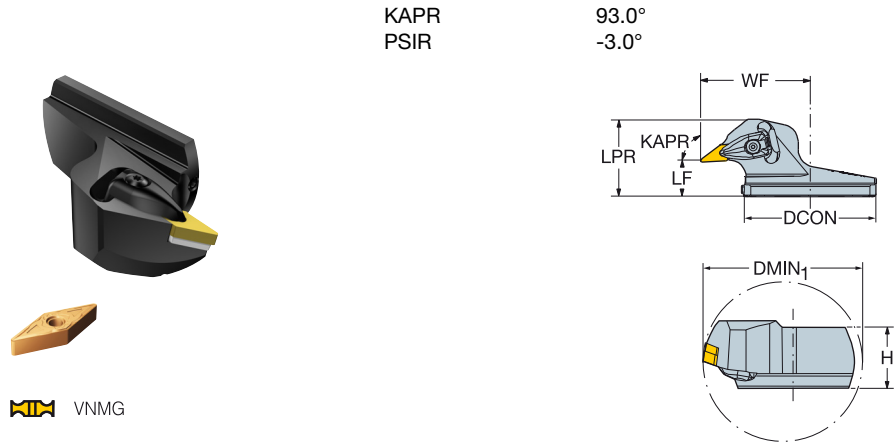
Spare parts				
Ordering code	Shim screw	Shim	Clamp set	Adjustment screw
570-DTFNR/L-80-16	5513 020-04	5322 316-01	5412 028-011	5514 060-12

For complete list of spare parts, see www.sandvik.coromant.com



T-Max® P head for back boring

Rigid clamp design
CoroTurn® SL Quick Change



							Dimensions, mm, inch							
			CZC _{MS}	DMIN ₁	RMPX	Ordering code	DCON	H	LPR	LF	WF			MID
	16	3/8	80	100.0	30°	570-DVUNR/L-80-16X	80	37.5	45.0	20.0	64.0	3.0	0.55	VNMG 16 04 08
				3.937			3.150	1.476	1.772	.787	2.520			

For inserts, see Turning tools catalogue

R = Right hand, L = Left hand

Spare parts			
Shim screw	Shim	Clamp set	Adjustment screw
5513 020-09	5322 269-01	5412 028-061	5514 060-12

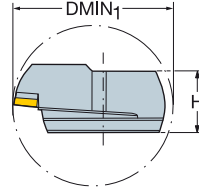
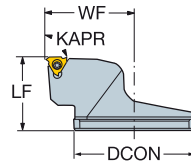
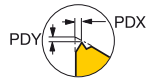
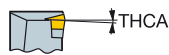
For complete list of spare parts, see www.sandvik.coromant.com



CoroThread® 266 head for thread turning

Screw clamp design

CoroTurn® SL quick change



266 R/LL

				Dimensions, mm, inch											
					Ordering code	DCON	H	LF	WF	THCA			MIID		
	16	3/8	80	100.0	SL-266RKF-80-16-QC	80	37.5	45.0	58.5	1°	3.0	0.58	266.RL-16..		
				3.937		3.150	1.476	1.772	2.303	1°			266.RL-22..		
	22	1/2	80	100.0	SL-266RKF-80-22-QC	80	37.5	45.0	58.5	1°	5.0	0.56	266.RL-22..		
				3.937		3.150	1.476	1.772	2.303	1°					
	27	5/8	80	100.0	SL-266RKF-80-27-QC	80	37.5	45.0	58.5	1°	7.5	0.55	266.RL-27..		
				3.937		3.150	1.476	1.772	2.303	1°					

For inserts, see Turning tools catalogue

Spare parts			
Ordering code	Screw	Right hand shim	Shim screw
SL-266R/LKF-80-16-QC	5513 020-13	5322 390-11	5512 032-05
SL-266RKF-80-22-QC	5513 020-26	5322 380-11	5512 032-04
SL-266RKF-80-27-QC	5513 020-66	5322 388-11	5512 032-03

For complete list of spare parts, see www.sandvik.coromant.com

A5



D9

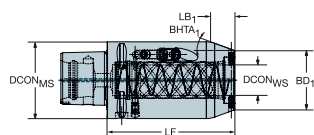


D4

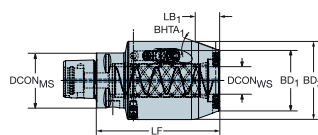
Coromant Capto® to CoroChuck™ 935



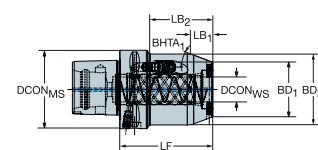
DSGN 3a



3b



6



Metric bore

						Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	DSGN	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	BD ₂	LB ₁	LB ₂	LF			
C4	20	3	1	3b	935-C4-EF20-090	40.0	20	43	57	18	90	90	80	1.320	
						1.575	.787	1.728	2.244	.709	3.543	3.543	1160		
C5	20	3	1	3b	935-C5-EF20-090	50.0	20	43	57	18	90	90	80	1.520	
						1.969	.787	1.728	2.244	.709	3.543	3.543	1160		
	25	3	1	3b	935-C5-EF25-110	50.0	25	48	63	20	110	110	80	2.080	
						1.969	.984	1.906	2.480	.787	4.330	4.331	1160		
C6	20	3	1	6	935-C6-EF20-075	63.0	20	43	57	18	51	75	80	1.550	
						2.480	.787	1.728	2.244	.709	2.007	2.953	1160		
	25	3	1	3a	935-C6-EF25-105	63.0	25	48	63	20	105	105	80	2.280	
						2.480	.984	1.906	2.480	.787	4.133	4.134	1160		
C8	20	3	1	6	935-C8-EF20-075	80.0	20	43	57	18	41	75	80	2.410	
						3.150	.787	1.728	2.244	.709	1.614	2.953	1160		
	25	3	1	6	935-C8-EF25-090	80.0	25	48	63	20	56	90	80	2.740	
						3.150	.984	1.906	2.480	.787	2.204	3.543	1160		

Inch bore

						Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	DSGN	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	BD ₂	LB ₁	LB ₂	LF			
C6	3/4	3	1	6	935-C6-EFA12-075	63.0	19	43	57	18	51	75	80	1.570	
						2.480	.750	1.728	2.244	.709	2.007	2.953	1160		
	1	3	1	3a	935-C6-EFA16-105	63.0	25	48	63	20	105	105	80	2.270	
						2.480	1.000	1.906	2.480	.787	4.133	4.134	1160		
C8	3/4	3	1	6	935-C8-EFA12-075	80.0	19	43	57	18	41	75	80	2.430	
						3.150	.750	1.728	2.244	.709	1.614	2.953	1160		
	1	3	1	6	935-C8-EFA16-090	80.0	25	48	63	20	56	90	80	2.720	
						3.150	1.000	1.906	2.480	.787	2.204	3.543	1160		

Available for order 1/3 2018.

For spare parts, visit www.sandvik.coromant.com

D9

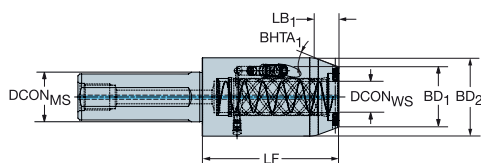


D8



D4

Cylindrical shank with flats to CoroChuck™ 935



Metric bore

				Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	H	BD ₁	BD ₂	LB ₁	LF		
40	20	1	1	935-L40-EF20-070	40.0	20	37	43	57	18	70	80	1.920
					1.575	.787	1.457	1.728	2.244	.709	2.756	1160	
	25	1	1	935-L40-EF25-110	40.0	25	37	48	63	20	110	80	2.950
					1.575	.984	1.457	1.906	2.480	.787	4.331	1160	
50	20	1	1	935-L50-EF20-070	50.0	20	47	53	57	18	70	80	2.740
					1.969	.787	1.850	2.122	2.244	.709	2.756	1160	
	25	1	1	935-L50-EF25-090	50.0	25	47	48	63	20	90	80	3.320
					1.969	.984	1.850	1.906	2.480	.787	3.543	1160	

Inch bore

				Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	H	BD ₁	BD ₂	LB ₁	LF		
2	3/4	1	1	935-LA32-EFA12-070	50.8	19	47	43	57	18	70	80	2.800
					2.000	.750	1.850	1.728	2.244	.709	2.756	1160	
	1	1	1	935-LA32-EFA16-090	50.8	25	47	48	63	20	90	80	3.330
					2.000	1.000	1.850	1.906	2.480	.787	3.543	1160	

Available for order 1/3 2018.

For spare parts, visit www.sandvik.coromant.com

D9

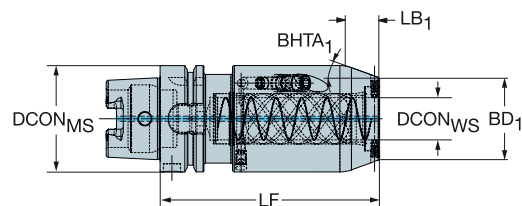


D8



D4

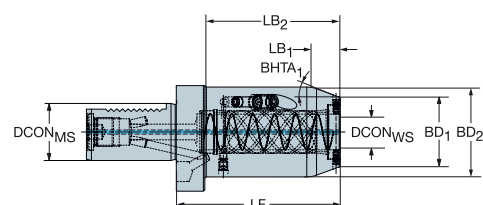
HSK to CoroChuck™ 935



Metric bore

				Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	BD ₂	LB ₁	LB ₂	LF	BAR PSI	KG
63	20	1	1	935-HT06-EF20-110	63.0	20	43	57	18	84	110	80	1.950
					2.480	.787	1.728	2.244	.709	3.309	4.331	1160	
	25	1	1	935-HT06-EF25-130	63.0	25	48	63	20	130	130	80	2.500
					2.480	.984	1.906	2.480	.787	5.118	5.118	1160	

VDI to CoroChuck™ 935



Metric bore

					Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	BD ₂	LB ₁	LB ₂	LF	BAR PSI	KG	
40	20	1	1	935-VDI40-EF20-090	40.0	20	43	57	18	70	90	80	2.380	
					1.575	.787	1.728	2.244	.709	2.755	3.543	1160		
	25	1	1	935-VDI40-EF25-115	40.0	25	48	63	20	95	115	80	3.070	
					1.575	.984	1.906	2.480	.787	3.740	4.528	1160		
50	20	1	1	935-VDI50-EF20-070	50.0	20	43	57	18	45	70	80	2.980	
					1.969	.787	1.728	2.244	.709	1.771	2.756	1160		
	25	1	1	935-VDI50-EF25-100	50.0	25	48	63	20	75	100	80	3.670	
					1.969	.984	1.906	2.480	.787	2.952	3.937	1160		

Available for order 1/3 2018.

For spare parts, visit www.sandvik.coromant.com



D9

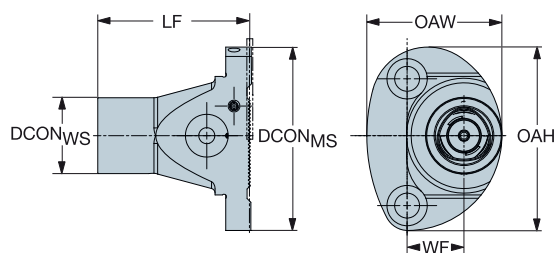


D8



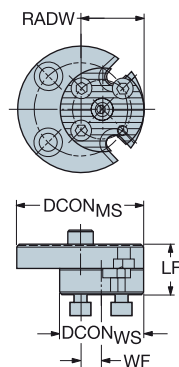
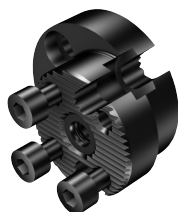
D4

CoroTurn® SL to Coromant Capto® adaptor with Quick change



					Dimensions, mm, inch											
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	H	LB ₁	LF	WF	OAW	OAH	BAR PSI	NM	KG	
80	C3	1	1	C3-QC-SL80-R	80.0	32	37	24	64	24.0	57	77	150	35	0.580	
					3.150	1.260	1.476	.965	2.520	.945	2.244	3.047	2175			
100	C3	1	1	C3-QC-SL100-R	100.0	32	37	24	64	34.0	80	76	150	35	0.720	
					3.937	1.260	1.476	.965	2.520	1.339	3.150	3.012	2175			

CoroTurn® SL reduction adaptor



					Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LB ₁	LF	WF	OAW	RADW	KG	
40	32	1	1	570-40 22-32	40.0	32	50	22	22	8.0	44	24	0.200	
					1.575	1.260	1.969	.866	.866	.315	1.732	.945		
50	32	1	1	570-50 23-32	50.0	32	50	11	23	9.0	50	25	0.234	
					1.969	1.260	1.969	.449	.906	.354	1.969	.984		
	40	1	1	570-50 23-40	50.0	40	50	11	23	10.0	55	30	0.276	
					1.969	1.575	1.969	.449	.906	.394	2.165	1.181		
60	40	1	1	570-60 23-40	60.0	40	60	11	23	10.0	60	30	0.400	
					2.362	1.575	2.362	.449	.906	.394	2.362	1.181		

For spare parts, visit www.sandvik.coromant.com

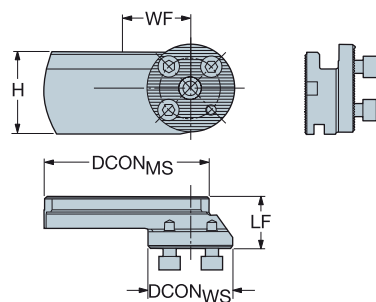
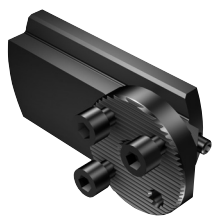


D9

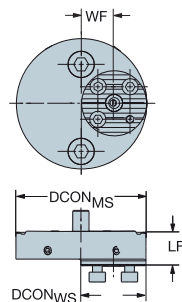


D8

CoroTurn® SL quick change to CoroTurn® SL adaptor

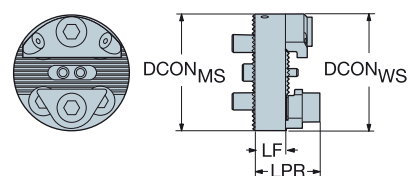


		Dimensions, mm, inch							
CZC _{MS}	CZC _{WS}	Ordering code	DCON _{MS}	DCON _{WS}	H	LF	WF	HF	KG
80	40	570-80 23-40R/L	80.0	40	37	23	70.0	20	0.392
			3.150	1.575	1.476	.906	2.756	.787	



					Dimensions, mm, inch						
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	H	LF	WF		
80	40	1	1	570-80 20 20-40R	80.0	40	37	20	20.0	80	0.820
					3.150	1.575	1.476	.787	.787	1160	
100	40	1	1	570-100 20 30-40R	100.0	40	37	20	30.0	80	1.184
					3.937	1.575	1.476	.787	1.181	1160	

CoroTurn® SL to CoroTurn® SL quick change adaptor



					Dimensions, mm, inch						
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LPR	LF	BAR PSI	KG	
32	32	1	2	SL-32 11-32-QC	32.0	32	19	11	70	0.110	
					1.260	1.260	.768	.433	1015		
40	32	1	2	SL-40 12-32-QC	40.0	32	21	12	70	0.171	
					1.575	1.260	.859	.472	1015		

For spare parts, visit www.sandvik.coromant.com

R = Right hand, L = Left hand



D9

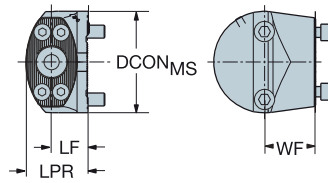
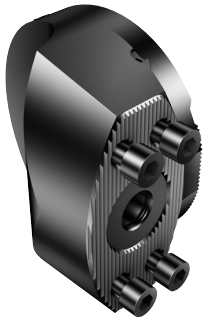


D8

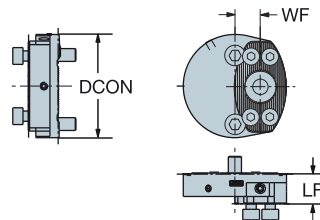


D4

CoroTurn® SL quick change to CoroTurn® SL70 adaptor



				Dimensions, mm, inch							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON	H	LPR	LF	WF		
80	70	1	1	SL70-80 40-RF	80	37	48	28	40.0	70	1.380
					3.150	1.476	1.890	1.102	1.575	1015	



				Dimensions, mm, inch						
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON	H	LF	WF		
80	70	1	1	SL70-80 23-RG	80	37	23	20.0	80	1.000
					3.150	1.476	.906	.787	1160	

For spare parts, visit www.sandvik.coromant.com



D9

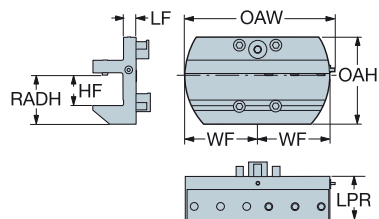


D8



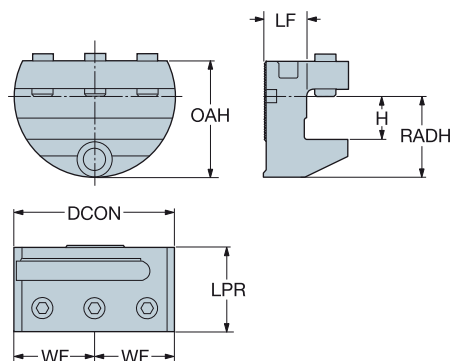
D4

CoroTurn® SL to rectangular shank adaptor



				Dimensions, mm, inch											
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	B	H	LPR	LF	WF	HF	OAW	OAH	RADH	BAR PSI	KG
122 x 105	32 x 32	1	2	570-200 3232-M	122	105	55	23	97.4	32	205	115	60	80	9.660
					4.803	4.134	2.165	.906	3.835	1.260	8.071	4.528	2.362	1160	

CoroTurn® SL quick change to rectangular shank adaptor



		Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	Ordering code	DCON	H	LPR	LF	WF	HF	OAW	OAH	KG
80	20 x 20	570-80 20 2020R	80	37	40	20	38.5	20	77	56	0.783
			3.150	1.476	1.575	.787	1.516	.787	3.032	2.205	

For spare parts, visit www.sandvik.coromant.com



D9



D8



D4

Centre height setting tool

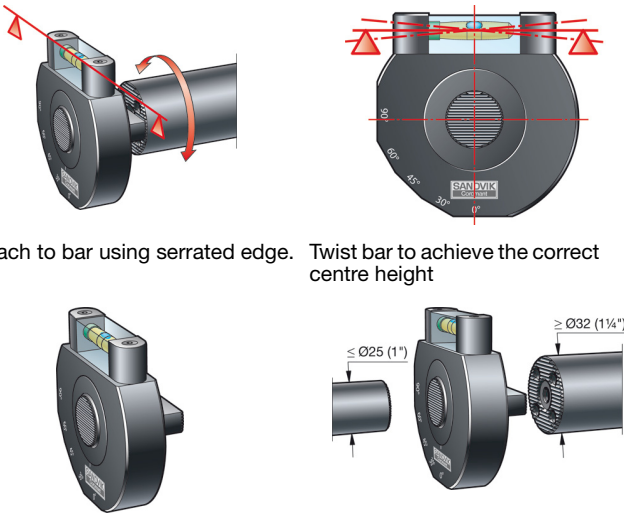
The new setting tool can be used to set the correct centre height of the cutting edge for cylindrical CoroTurn® SL boring bars.

Procedure for correct usage:

- Attach setting tool to serrated edge of cylindrical boring bar
- Twist the boring bar to the right position
- When the bubble is in the centre position, the bar is parallel and ready to use

The easy-to-use setting tool offers a quick and simple method to achieve the correct setting of large boring bars over 25 mm (.984 inch) diameter. This setting tool can also be used for bars in multi-task machines.

Ordering code: SL-CHS-01



When the bubble is in the correct position, the bar is parallel.

Cover plate



Accessories (to be ordered separately)

CZC _{WS}	Ordering code
25	SL25-CP
32	SL32-CP
40	SL40-CP

EasyFix™

Sleeves for cylindrical bars

Benefits and features

- Fast set-up time
- Simple to use
- Extended tool life
- Excellent surface finish
- Correct cutting edge centre height and position

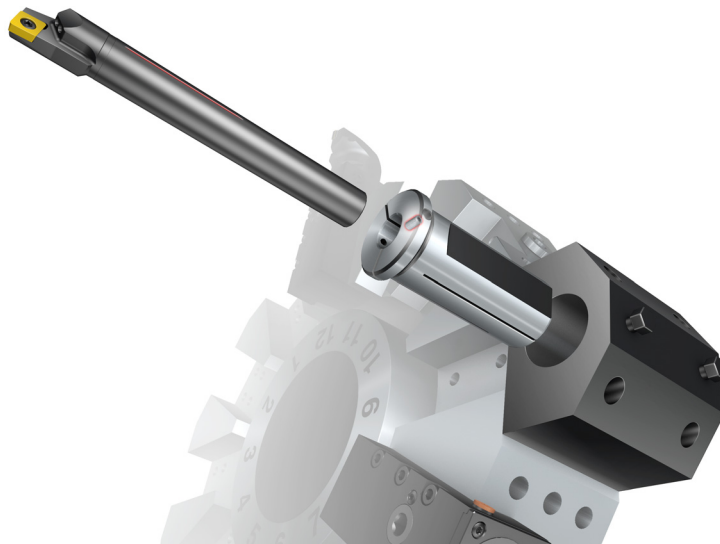
Precision coolant

The slot in the cylindrical sleeve is metallic sealed which allows the existing coolant supply system to be used. The metallic sealing offers good performance also for high coolant pressure.

- Silicon sealing for coolant pressures up to 20 bar (290 psi)
- Metallic sealing for coolant pressure up to 150 bar (2200 psi)

Always correct centre height

Spring plunger solution (spring loaded ball) in the sleeve and the bar groove gives correct centre height of the insert every time you make a tool set-up.

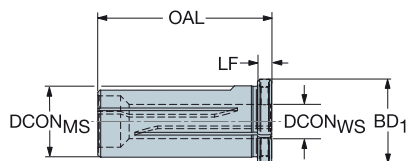


A63

Cylindrical sleeve with EasyFix™ positioning

ISO 9766

Metallic sealed for high pressure coolant through tool



Metric version

					Dimensions, mm							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	H	OAL	LF		
16	5	1	1	EF-16-05	16	5	21	14	48	5	150	0.130
	6	1	1	EF-16-06	16	6	21	14	48	5	150	0.110
	8	1	1	EF-16-08	16	8	21	14	48	5	150	0.100
	10	1	1	EF-16-10	16	10	21	14	48	5	150	0.080
	12	1	1	EF-16-12	16	12	21	14	48	5	150	0.065
20	5	1	1	EF-20-05	20	5	25	18	55	5	150	0.120
	6	1	1	EF-20-06	20	6	25	18	55	5	150	0.118
	8	1	1	EF-20-08	20	8	25	18	55	5	150	0.115
	10	1	1	EF-20-10	20	10	25	18	55	5	150	0.109
	12	1	1	EF-20-12	20	12	25	18	55	5	150	0.099
	16	1	1	EF-20-16	20	16	25	18	55	5	150	0.080
	5	1	1	EF-25-05	25	5	30	23	61	5	150	0.208
	6	1	1	EF-25-06	25	6	30	23	61	5	150	0.199
	8	1	1	EF-25-08	25	8	30	23	61	5	150	0.200
	10	1	1	EF-25-10	25	10	30	23	61	5	150	0.190
	12	1	1	EF-25-12	25	12	30	23	61	5	150	0.178
	16	1	1	EF-25-16	25	16	30	23	61	5	150	0.150
	20	1	1	EF-25-20	25	20	30	23	61	5	150	0.080
	5	1	1	EF-32-05	32	5	36	30	65	5	150	0.344
	6	1	1	EF-32-06	32	6	36	30	65	5	150	0.345
	8	1	1	EF-32-08	32	8	36	30	65	5	150	0.340
	10	1	1	EF-32-10	32	10	36	30	65	5	150	0.350
	12	1	1	EF-32-12	32	12	36	30	65	5	150	0.332
	16	1	1	EF-32-16	32	16	36	30	65	5	150	0.299
	20	1	1	EF-32-20	32	20	36	30	65	5	150	0.269
	25	1	1	EF-32-25	32	25	36	30	65	5	150	0.120
	5	1	1	EF-40-05	40	5	44	38	75	5	150	0.606
	6	1	1	EF-40-06	40	6	44	38	75	5	150	0.604
	8	1	1	EF-40-08	40	8	44	38	75	5	150	0.620
	10	1	1	EF-40-10	40	10	44	38	75	5	150	0.632
	12	1	1	EF-40-12	40	12	44	38	75	5	150	0.629
	16	1	1	EF-40-16	40	16	44	38	75	5	150	0.587
	20	1	1	EF-40-20	40	20	44	38	75	5	150	0.562
	25	1	1	EF-40-25	40	25	44	38	75	5	150	0.461

Inch version

					Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	H	OAL	LF	PSI	LBS		
1	1/4	1	1	EF-A16-A04	1.000	.250	1.181	.941	2.402	.197	2175	.453		
	5/16	1	1	EF-A16-A05	1.000	.313	1.181	.941	2.402	.197	2175	.447		
	3/8	1	1	EF-A16-A06	1.000	.375	1.181	.941	2.402	.197	2175	.440		
	1/2	1	1	EF-A16-A08	1.000	.500	1.181	.941	2.402	.197	2175	.394		
	5/8	1	1	EF-A16-A10	1.000	.625	1.181	.941	2.402	.197	2175	.345		
1 1/4	1/4	1	1	EF-A20-A04	1.250	.250	1.417	1.191	2.559	.197	2175	.792		
	5/16	1	1	EF-A20-A05	1.250	.313	1.417	1.191	2.559	.197	2175	.748		
	3/8	1	1	EF-A20-A06	1.250	.375	1.417	1.191	2.559	.197	2175	.752		
	1/2	1	1	EF-A20-A08	1.250	.500	1.417	1.191	2.559	.197	2175	.706		
	5/8	1	1	EF-A20-A10	1.250	.625	1.417	1.191	2.559	.197	2175	.647		
	3/4	1	1	EF-A20-A12	1.250	.750	1.417	1.191	2.559	.197	2175	.609		
1 1/2	1/4	1	1	EF-A24-A04	1.500	.250	1.732	1.441	2.953	.197	2175	1.243		
	5/16	1	1	EF-A24-A05	1.500	.313	1.732	1.441	2.953	.197	2175	1.232		
	3/8	1	1	EF-A24-A06	1.500	.375	1.732	1.441	2.953	.197	2175	1.225		
	1/2	1	1	EF-A24-A08	1.500	.500	1.732	1.441	2.953	.197	2175	1.177		
	5/8	1	1	EF-A24-A10	1.500	.625	1.732	1.441	2.953	.197	2175	1.122		
	3/4	1	1	EF-A24-A12	1.500	.750	1.732	1.441	2.953	.197	2175	1.133		
	1	1	1	EF-A24-A16	1.500	1.000	1.732	1.441	2.953	.197	2175	.858		

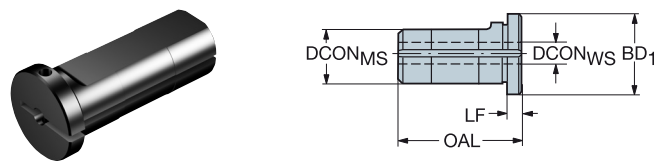


D9



D8

Cylindrical sleeve with EasyFix™ positioning



Metric version

					Dimensions, mm									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	H	LSC	OAL	LF			
32	20	1	1	132L-3220085-B	32	20	38	30	80.0	85	5	20	0.326	
40	20	1	1	132L-4020105-B	40	20	46	38	105.0	105	5	20	0.758	
	25	1	1	132L-4025105-B	40	25	46	38	105.0	105	5	20	0.620	
50	20	1	1	132L-5020125-B	50	20	56	47	125.0	125	5	20	1.576	
	25	1	1	132L-5025125-B	50	25	56	47	125.0	125	5	20	1.396	

Inch version

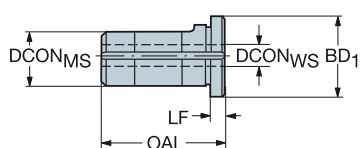
				Dimensions, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	H	LSC	OAL	LF	PSI	LBS
1	16	1	1	132L-1616050-B	1.000	.630	1.236	.921	2.165	2.165	.197	290	.321

Groove for EasyFix sleeve is available on all cylindrical boring bars in diameter. 5-25 mm (.197-1.000 inch)



Cylindrical split sleeve

Screw down (No EasyFix)



Metric version

					Dimensions, mm							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LSC	OAL	LF		
40	32	1	1	132L-40-32	40	32	50	123.0	128	5	150	0.430
50	32	1	1	132L-50-32	50	32	60	123.0	128	5	150	1.100
	40	1	1	132L-50-40	50	40	60	160.0	160	5	150	0.840
60	32	1	1	132L-60-32	60	32	70	128.0	128	5	150	1.900
	40	1	1	132L-60-40	60	40	70	160.0	160	5	150	1.900
	50	1	1	132L-60-50	60	50	70	195.0	200	5	150	1.300

Inch version

					Dimensions, inch							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	BD ₁	LSC	OAL	LF	PSI	LBS
1 1/2	1 1/4	1	1	132L-A24-A20	1.500	1.250	1.894	5.000	5.000	.197	2175	.726
2	1 1/4	1	1	132L-A32-A20	2.000	1.250	2.394	4.803	5.000	.197	2175	2.640
	1 1/2	1	1	132L-A32-A24	2.000	1.500	2.394	5.803	6.000	.197	2175	2.200
2 1/2	1 1/4	1	1	132L-A40-A20	2.500	1.250	2.894	5.000	5.000	.197	2175	5.060
	1 1/2	1	1	132L-A40-A24	2.500	1.500	2.894	5.803	6.000	.197	2175	5.060
	2	1	1	132L-A40-A32	2.500	2.000	2.894	7.803	8.000	.197	2175	3.740

Screw down (No EasyFix)



D9



D8

Milling

Silent Tools™ for milling

Maximize your milling cutter productivity

Working with rotating tools differ from turning, where you have a boring bar in a rigid tool post. Most considerations for successful operations are however the same, such as workpiece set-up and machine stability. Make the most out of your milling operation with Silent Tools.

Silent Tools™ arbor milling adaptors

The Silent Tools arbor milling adaptors are available for a large number of cutting concepts and for a wide range of applications, including long reach face milling, deep shoulder and side milling, cavity milling, slot milling and profiling. Undersized adaptors with nominal diameter cutters are first choice for greatest productivity in deep cavities, while nominal diameter adaptors are available for maximum stiffness and capacity for oversized diameter cutters.



Vibration-free groove milling

CoroMill® QD with Silent Tools provide you the required reach and vibration can be kept at bay up to six times bar diameter. Add a cutter with light-cutting insert geometries for an ideal solution for reducing vibration when milling grooves with long overhangs. Apply CoroMill QD with Silent Tools for long-reach, internal or external groove milling or for slitting of tubes, casings and sleeves.

High reliability in large machining centres with Coromant EH

Silent Tools adaptors are suitable for cavity and profile milling in deep molds, Pelton wheels, Francis blades and impellers. Choose between CoroMill® 216 and CoroMill® 316 ball nose, CoroMill® 300 with round inserts or CoroMill® 415 high feed cutters with Coromant EH machine side interface.

● ● ● ● SilentTools®



CoroMill® 390 with integrated damping

By integrating Silent Tools technology into the extra-long, extremely versatile CoroMill 390 end mills, you can easily stabilize your machining process while maintaining required surface finish and high-quality components.

The combination offers unrivalled productivity with small diameter milling cutters on slender, undersized shanks. Available for insert sizes 07 and 11 for minimized vibration and increased output.

Cutters

CoroMill® 390 damped square shoulder milling cutter B5-B6

Adaptors

Coromant Capto® to Coromant EH damped adaptor B7

Coromant Capto® to damped arbor adaptor B8-B9

Coromant Capto® to arbor with driving screws damped adaptor B10

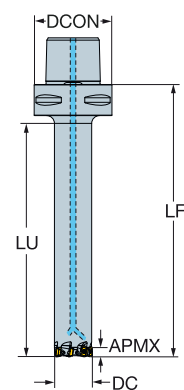
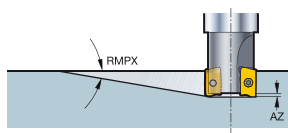
HSK to damped arbor adaptor B11

CoroMill® 390 damped square shoulder milling cutter

Coromant Capto®

KAPR

90°



Metric version

										Dimensions, mm						
DC		CZC_{MS}	$APMX_{FFW}$	$APMX_{FFW}$	RMPX	AZ	CNSC		Ordering code	DCON	LF	LU		RPMX	CICT	MIID
20.0	07	C5	2.0	5.80	2°	0.5	3	5	R390-020C5D-07H145	50.0	145.0	120.0	0.92	20000	5	390R-07..
	07	C6	2.0	5.80	2°	0.5	3	5	R390-020C6D-07H147	63.0	147.0	120.0	1.25	20000	5	390R-07..
	11	C5	5.5	10.00	5°	1.0	3	2	R390-020C5D-11L145	50.0	145.0	120.0	0.91	20000	2	R390-11..
	11	C6	5.5	10.00	5°	1.0	3	2	R390-020C6D-11L147	63.0	147.0	120.0	1.24	20000	2	R390-11..
25.0	07	C5	2.0	5.80	1°	0.5	3	7	R390-025C5D-07H175	50.0	175.0	150.0	1.19	20000	7	390R-07..
	07	C6	2.0	5.80	1°	0.5	3	7	R390-025C6D-07H177	63.0	177.0	150.0	1.52	20000	7	390R-07..
	11	C5	5.5	10.00	5°	1.0	3	2	R390-025C5D-11L175	50.0	175.0	150.0	1.19	20000	2	R390-11..
	11	C6	5.5	10.00	5°	1.0	3	2	R390-025C6D-11L177	63.0	177.0	150.0	1.53	20000	2	R390-11..
32.0	07	C5	2.0	5.80	1°	0.5	3	8	R390-032C5D-07H217	50.0	217.0	192.0	1.82	15000	8	390R-07..
	07	C6	2.0	5.80	1°	0.5	3	8	R390-032C6D-07H219	63.0	219.0	192.0	2.15	15000	8	390R-07..
	11	C5	3.6	10.00	5°	1.0	3	2	R390-032C5D-11L217	50.0	217.0	192.0	1.83	15000	2	R390-11..
	11	C6	5.5	10.00	3°	1.0	3	2	R390-032C6D-11L219	63.0	219.0	192.0	2.17	15000	2	R390-11..

For inserts, see Rotating tools catalogue

Spare parts		
DC		Insert screw
20.00-32.00	07	5513 020-82
20.00	11	5513 020-36
25.00-32.00	11	5513 020-35

For complete list of spare parts, see www.sandvik.coromant.com

B7



D9



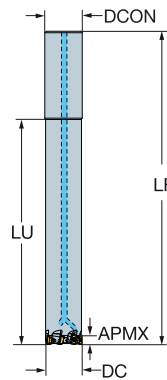
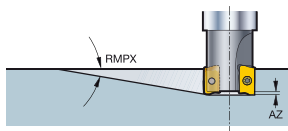
D8

CoroMill® 390 damped square shoulder milling cutter

Cylindrical shank

KAPR

90°



Metric version

										Dimensions, mm						
DC		CZC _{MS}	APMX	RMPX	AZ	CNSC		Ordering code		DCON	LF	LU		RPMX	CICT	MIID
20.0	07	20	5.8	2°	0.5	1	5	R390-020A20D-07H		20.0	173.0	120.0	0.71	20000	5	390R-07..
	11	20	10.0	5°	1.0	1	2	R390-020A20D-11L		20.0	173.0	120.0	0.73	20000	2	R390-11..
25.0	07	25	5.8	1°	0.5	1	7	R390-025A25D-07H		25.0	209.0	150.0	0.96	20000	7	390R-07..
	11	25	10.0	5°	1.0	1	2	R390-025A25D-11L		25.0	209.0	150.0	0.95	20000	2	R390-11..
32.0	07	32	5.8	1°	0.5	1	8	R390-032A32D-07H		32.0	255.0	192.0	1.74	15000	8	390R-07..
	11	32	10.0	3°	1.0	1	2	R390-032A32D-11L		32.0	255.0	192.0	1.48	15000	2	R390-11..

For inserts, see Rotating tools catalogue

		Spare parts
DC		Insert screw
20.00-32.00	07	5513 020-82
20.00	11	5513 020-36
25.00-32.00	11	5513 020-35

For complete list of spare parts, see www.sandvik.coromant.com

D9



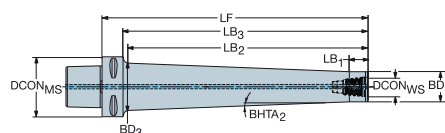
D8

Coromant Capto® to Coromant EH damped adaptor

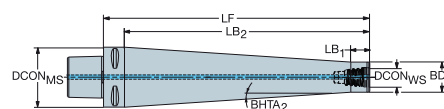


DSGN

12



7



● ● ● ● SilentTools®

Metric version

						Dimensions, mm, inch																
CZC _{MS}	CZC _{WS}	CNSC	CXSC	DSGN	Ordering code	DCON _{MS}	DCON _{WS}	LF	LB ₁	LB ₂	LB ₃	LB ₄	BD ₁	BD ₃	BD ₄	BHTA ₂	BHTA ₃	BAR PSI	KG			
C4	E16	3	1	12	C4-EH16D-175	40.0	15.4	175.0	3.0	150.0	155.0	175.0	19.5	29.7	40.0	2°	45°	70	1.05			
						1.575	.606	6.890	.118	5.906	6.102	6.890	.768	1.169	1.575			1015				
C5	E20	3	1	12	C5-EH20D-185	50.0	19.2	185.0	3.0	159.0	165.0	185.0	24.0	33.8	50.0	1°	53°	70	1.53			
						1.969	.756	7.283	.118	6.260	6.496	7.283	.945	1.331	1.969			1015				
	E25	3	1	7	C5-EH25D-280	50.0	24.1	280.0	20.0	260.0	280.0		31.7	50.0		2°	0°	70	5.29			
						1.969	.949	11.024	.787	10.236	11.024		1.248	1.969				1015				
C6	E25	3	1	12	C6-EH25D-280	63.0	24.1	280.0	20.0	252.0	258.0	280.0	31.7	49.7	63.0	2°	67°	70	5.68			
						2.480	.949	11.024	.787	9.921	10.158	11.024	1.248	1.957	2.480			1015				
	E25	3	1	12	C6-EH25D-340	63.0	24.1	340.0	20.0	313.0	317.8	340.0	31.7	54.7	63.0	2°	61°	70	7.00			
						2.480	.949	13.386	.787	12.323	12.512	13.386	1.248	2.154	2.480			1015				
C8	E25	3	1	12	C8-EH25D-420	80.0	24.1	420.0	8.0	384.0	390.0	420.0	31.7	61.7	80.0	2°	71°	70	10.61			
						3.150	.949	16.535	.315	15.118	15.354	16.535	1.248	2.429	3.150			1015				

For spare parts, visit www.sandvik.coromant.com

B

C

D



D9



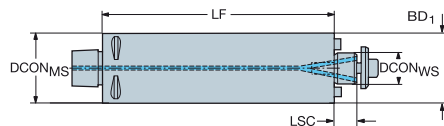
D8

Coromant Capto® to damped arbor adaptor

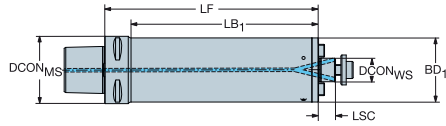


DSGN

1



2



● ● ● ● SilentTools®

Metric pilot

B

						Dimensions, mm, inch												
CZC _{MS}	CZC _{WS}	CNSC	CXSC	DSGN	Ordering code	DCON _{MS}	DCON _{WS}	LSC	LF	LB ₁	LB ₂	BD ₁	BD ₂			RPMX		
C4	16	3	4	2	C4-Q16D-038-130	40.0	16.0	11	130.0	107.8	130.0	38.0	40.0	70	1.62	16000		
						1.575	.630	.433	5.118	4.244	5.118	1.496	1.575	1015				
	16	3	4	2	C4-Q16D-038-200	40.0	16.0	11	200.0	177.8	200.0	38.0	40.0	70	2.32	8000		
						1.575	.630	.433	7.874	7.000	7.874	1.496	1.575	1015				
C5	22	3	4	2	C5-Q22D-048-180	50.0	22.0	16	180.0	157.6	180.0	47.5	50.0	70	3.22	14000		
						1.969	.866	.630	7.087	6.205	7.087	1.870	1.969	1015				
	22	3	4	2	C5-Q22D-048-220	50.0	22.0	16	220.0	197.6	220.0	47.5	50.0	70	6.04	11000		
						1.969	.866	.630	8.661	7.780	8.661	1.870	1.969	1015				
C5	22	3	4	2	C5-Q22D-048-270	50.0	22.0	16	270.0	247.6	270.0	47.5	50.0	70	6.85	7000		
						1.969	.866	.630	10.630	9.748	10.630	1.870	1.969	1015				
C6	22	3	4	2	C6-Q22D-060-200	63.0	22.0	16	200.0	175.4	200.0	60.0	63.0	70	8.05	15000		
						2.480	.866	.630	7.874	6.906	7.874	2.362	2.480	1015				
	22	3	4	2	C6-Q22D-060-260	63.0	22.0	16	260.0	235.4	260.0	60.0	63.0	70	9.29	11000		
						2.480	.866	.630	10.236	9.268	10.236	2.362	2.480	1015				
C6	22	3	4	2	C6-Q22D-060-310	63.0	22.0	16	310.0	285.4	310.0	60.0	63.0	70	10.86	6000		
						2.480	.866	.630	12.205	11.236	12.205	2.362	2.480	1015				
	27	3	4	1	C6-Q27D-063-200	63.0	27.0	18	200.0	200.0		63.0		70	8.54	11000		
						2.480	1.063	.709	7.874	7.874		2.480		1015				
C6	27	3	4	1	C6-Q27D-063-260	63.0	27.0	18	260.0	260.0		63.0		70	9.88	8000		
						2.480	1.063	.709	10.236	10.236		2.480		1015				
	27	3	4	1	C6-Q27D-063-310	63.0	27.0	18	310.0	310.0		63.0		70	11.57	5000		
						2.480	1.063	.709	12.205	12.205		2.480		1015				
C8	27	3	4	2	C8-Q27D-076-220	80.0	27.0	18	220.0	187.2	220.0	76.0	80.0	70	12.92	12000		
						3.150	1.063	.709	8.661	7.370	8.661	2.992	3.150	1015				
	27	3	4	2	C8-Q27D-076-320	80.0	27.0	18	320.0	287.2	320.0	76.0	80.0	70	16.80	8000		
						3.150	1.063	.709	12.598	11.307	12.598	2.992	3.150	1015				
C8	27	3	4	2	C8-Q27D-076-360	80.0	27.0	18	360.0	327.2	360.0	76.0	80.0	70	18.20	6000		
						3.150	1.063	.709	14.173	12.882	14.173	2.992	3.150	1015				
	32	3	4	1	C8-Q32D-080-220	80.0	32.0	20	220.0	220.0		80.0		70	13.73	10000		
						3.150	1.260	.787	8.661	8.661		3.150		1015				
C8	32	3	4	1	C8-Q32D-080-320	80.0	32.0	20	320.0	320.0		80.0		70	18.00	6000		
						3.150	1.260	.787	12.598	12.598		3.150		1015				
	32	3	4	1	C8-Q32D-080-360	80.0	32.0	20	360.0	360.0		80.0		70	19.60	4000		
						3.150	1.260	.787	14.173	14.173		3.150		1015				
C10	32	3	4	2	C10-Q32D-095-400	100.0	32.0	20	400.0	361.0	400.0	95.0	100.0	70	30.45	5000		
						3.937	1.260	.787	15.748	14.213	15.748	3.740	3.937	1015				
	40	3	4	1	C10-Q40D-100-400	100.0	40.0	23	400.0	400.0		100.0		70	28.30	5000		
						3.937	1.575	.906	15.748	15.748		3.937		1015				

For spare parts, visit www.sandvik.coromant.com

D



D9



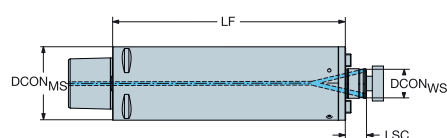
D8

Coromant Capto® to damped arbor adaptor

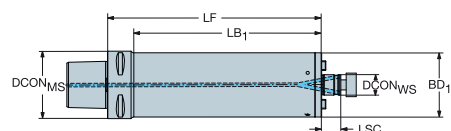


DSGN

1



2



Inch pilot

						Dimensions, mm, inch												
CZC _{MS}	CZC _{WS}	CNSC	CXSC	DSGN	Ordering code	DCON _{MS}	DCON _{WS}	LSC	LF	LB ₁	LB ₂	BD ₁	BD ₂			RPMX		
C5	3/4	3	4	2	C5-R19D-048-180	50.0	19.1	18	180.0	157.6	180.0	47.5	50.0	70	5.48	14000		
						1.969	.750	.709	7.087	6.205	7.087	1.870	1.969	1015				
	3/4	3	4	2	C5-R19D-048-220	50.0	19.1	18	220.0	197.6	220.0	47.5	50.0	70	5.94	11000		
						1.969	.750	.709	8.661	7.780	8.661	1.870	1.969	1015				
	3/4	3	4	2	C5-R19D-048-270	50.0	19.1	18	270.0	247.6	270.0	47.5	50.0	70	6.83	7000		
						1.969	.750	.709	10.630	9.748	10.630	1.870	1.969	1015				
C6	3/4	3	4	2	C6-R19D-060-200	63.0	19.1	18	200.0	175.4	200.0	60.0	63.0	70	8.05	15000		
						2.480	.750	.709	7.874	6.906	7.874	2.362	2.480	1015				
	3/4	3	4	2	C6-R19D-060-260	63.0	19.1	18	260.0	235.4	260.0	60.0	63.0	70	9.27	11000		
						2.480	.750	.709	10.236	9.268	10.236	2.362	2.480	1015				
	3/4	3	4	2	C6-R19D-060-310	63.0	19.1	18	310.0	285.4	310.0	60.0	63.0	70	8.20	6000		
						2.480	.750	.709	12.205	11.236	12.205	2.362	2.480	1015				
	1	3	4	1	C6-R25D-063-200	63.0	25.4	18	200.0	200.0		63.0		70	8.54	11000		
						2.480	1.000	.709	7.874	7.874		2.480		1015				
	1	3	4	1	C6-R25D-063-260	63.0	25.4	18	260.0	260.0		63.0		70	9.93	8000		
						2.480	1.000	.709	10.236	10.236		2.480		1015				
	1	3	4	1	C6-R25D-063-310	63.0	25.4	18	310.0	310.0		63.0		70	11.60	5000		
						2.480	1.000	.709	12.205	12.205		2.480		1015				
C8	1 1/2	3	4	1	C8-R38D-080-220	80.0	38.1	23	220.0	220.0		80.0		70	13.93	10000		
						3.150	1.500	.906	8.661	8.661		3.150		1015				
	1 1/2	3	4	1	C8-R38D-080-320	80.0	38.1	23	320.0	320.0		80.0		70	18.26	6000		
						3.150	1.500	.906	12.598	12.598		3.150		1015				
	1 1/2	3	4	1	C8-R38D-080-360	80.0	38.1	23	360.0	360.0		80.0		70	19.82	4000		
						3.150	1.500	.906	14.173	14.173		3.150		1015				
C10	1 1/2	3	4	2	C10-R38D-095-400	100.0	38.1	23	400.0	361.0	400.0	95.0	100.0	70	30.48	5000		
						3.937	1.500	.906	15.748	14.213	15.748	3.740	3.937	1015				

For spare parts, visit www.sandvik.coromant.com

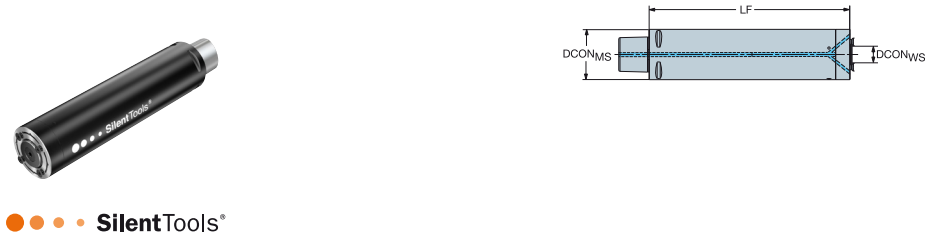
D9



D8

Coromant Capto® to arbor with driving screws damped adaptor

For CoroMill® QD with internal coolant supply



Metric pilot

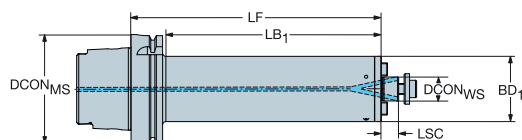
		Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DBC	DCON _{WS}	LSC	LF	BAR PSI	KG
C3	X10	3	4	C3-X10D-032-128	32.0	22.0	10.0	2	128.0	70	1.10
					1.260	.866	.394	.094	5.039	1015	
C4	X22	3	3	C4-X22D-040-160	40.0	32.0	22.0	2	160.0	70	1.92
					1.575	1.260	.866	.094	6.299	1015	
C6	X32	3	3	C6-X32D-063-252	63.0	45.0	32.0	2	252.0	70	9.30
					2.480	1.772	1.260	.094	9.921	1015	
C8	X40	3	3	C8-X40D-080-320	80.0	63.0	40.0	2	320.0	70	17.45
					3.150	2.480	1.575	.094	12.598	1015	

Inch pilot

		Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DBC	DCON _{WS}	LSC	LF	BAR PSI	KG
C5	Y25	3	3	C5-Y25D-050-200	50.0	36.0	25.4	2	200.0	70	3.67
					1.969	1.417	1.000	.094	7.874	1015	
C6	Y31	3	3	C6-Y31D-063-252	63.0	45.0	31.8	2	252.0	70	9.27
					2.480	1.772	1.250	.094	9.921	1015	
C8	Y38	3	3	C8-Y38D-080-320	80.0	63.0	38.1	2	320.0	70	17.42
					3.150	2.480	1.500	.094	12.598	1015	

For spare parts, visit www.sandvik.coromant.com

HSK to damped arbor adaptor



Metric pilot

				Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LSC	LF	LB ₁	BD ₁			RPMX
63.0	16	1	4	HA06-Q16D-038-160	63.0	16.0	11	160.0	131.0	38.0	70	4.35	16000
					2.480	.630	.433	6.299	5.157	1.496	1015		
	16	1	4	HA06-Q16D-038-230	63.0	16.0	11	230.0	201.0	38.0	70	5.06	8000
					2.480	.630	.433	9.055	7.913	1.496	1015		
	22	1	4	HA06-Q22D-048-210	63.0	22.0	16	210.0	181.0	47.5	70	6.10	8000
					2.480	.866	.630	8.268	7.126	1.870	1015		
	22	1	4	HA06-Q22D-048-260	63.0	22.0	16	260.0	231.0	47.5	70	6.89	5000
					2.480	.866	.630	10.236	9.094	1.870	1015		
100.0	22	1	4	HA10-Q22D-048-213	100.0	22.0	16	213.0	181.0	47.5	70	7.68	14000
					3.937	.866	.630	8.386	7.126	1.870	1015		
	22	1	4	HA10-Q22D-048-263	100.0	22.0	16	263.0	231.0	47.5	70	8.55	9000
					3.937	.866	.630	10.354	9.094	1.870	1015		
	22	1	4	HA10-Q22D-060-230	100.0	22.0	16	230.0	198.0	60.0	70	9.78	14000
					3.937	.866	.630	9.055	7.795	2.362	1015		
	22	1	4	HA10-Q22D-060-340	100.0	22.0	16	340.0	308.0	60.0	70	12.96	7000
					3.937	.866	.630	13.386	12.126	2.362	1015		
	27	1	4	HA10-Q27D-076-250	100.0	27.0	18	250.0	218.0	76.0	70	14.13	10000
					3.937	1.063	.709	9.843	8.583	2.992	1015		
	27	1	4	HA10-Q27D-076-390	100.0	27.0	18	390.0	358.0	76.0	70	20.00	5000
					3.937	1.063	.709	15.354	14.095	2.992	1015		
	32	1	4	HA10-Q32D-080-250	100.0	32.0	20	250.0	218.0	80.0	70	15.30	10000
					3.937	1.260	.787	9.843	8.583	3.150	1015		
	32	1	4	HA10-Q32D-080-390	100.0	32.0	20	390.0	358.0	80.0	70	21.07	5000
					3.937	1.260	.787	15.354	14.095	3.150	1015		

For spare parts, visit www.sandvik.coromant.com



D9



D8

Boring

Silent Tools™ for boring

Flexible boring at long overhangs

Internal boring of large-diameter holes and deep holes is a particularly vibration-prone operation. To avoid vibration-related issues such as bad surface texture, insufficient accuracy and increased insert and machine tool wear, a stable tooling solution is a necessity. Sandvik Coromant offers Silent Tools for rough and finish boring. The tools are designed with a strong dedicated interface between bridge and damped adaptor, this gives you unique flexibility and modularity to build desired tool assemblies.



Vibration-free rough and finish boring

Silent Tools finish and rough boring tools give increased productivity and close tolerances from lengths of 3–10 × body diameter. When using Silent Tools, you have the opportunity to double the depth of cut, while maintaining productive boring at long overhangs. CoroBore® BR20 with Silent Tools™ technology is part of the new generation rough boring tools. This flexible solution holds features such as differential pitch, coolant nozzles with high precision capability and step boring functionality, and is to be combined with dedicated, four-edged CoroBore® 111 inserts. Together with CoroBore® 825 and CoroBore® 826 for finishing, these are ideal solutions for close hole tolerances and excellent surface finish in small diameters. For large-diameter roughing and finishing, up to 1275 mm (50.197 inch) in standard assortment, the versatile CoroBore® XL system provides the optimal solution, giving great stability and vibration-free boring.

●●●● SilentTools®



CoroBore BR20 with Silent Tools technology and CoroBore 825 for small diameters up to 167 mm (6.570 inch).

CoroBore XL for large diameters, including dedicated lightweight bridges that fit together with existing slides and cartridges for both rough and fine boring.

CoroBore® BR20 twin-edge damped rough boring tool	C5
CoroBore® 820 XL damped rough boring tool	C6
CoroBore® 825 damped fine boring tool	C7
CoroBore® 825 XL fine boring tool	C8
Coromant Capto® to CoroBore® XL tool body	C9

CoroBore® BR20 twin-edge damped rough boring tool

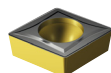
Coromant Capto® - Internal coolant supply

KAPR
DSGN

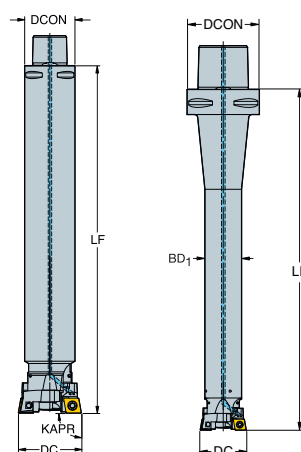
90°
1

90°
2

● ● ● ● SilentTools®



CCMT, CCGT
CCGX, CCET
CCMW



										Dimensions, mm, inch											
DCN	DCX	IC	IC	CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ADJLX _{RDL}	ULDR	LF	BD ₁	BAR PSI	NM	KG	CICT	MIID				
23.00	29.00	06	1/4	C4	3	2	BR20D-29CC06F-C4L	40.00	3.00	6.00	199.00	20.00	70	0.9	0.740	2	CCMT 06 02 04				
.906	1.142							1.575	.118		7.835	.787	1015								
28.00	36.00	06	1/4	C3	3	2	BR20D-36CC06F-C3L	32.00	4.00	6.00	216.00	25.00	70	0.9	1.030	2	CCMT 06 02 04				
1.102	1.417							1.260	.157		8.504	.984	1015								
35.00	45.00	09	3/8	C3	3	1	BR20D-45CC09F-C3L	32.00	5.00		221.00		70	3.0	1.540	2	CCMT 09 T3 08				
1.378	1.772							1.260	.197		8.701		1015								
35.00	45.00	09	3/8	C4	3	2	BR20D-45CC09F-C4L	40.00	5.00	6.00	270.00	32.00	70	3.0	1.980	2	CCMT 09 T3 08				
1.378	1.772							1.575	.197		10.630	1.260	1015								
35.00	45.00	09	3/8	C6	3	2	BR20D-45CC09F-C6L	63.00	5.00	6.00	297.00	32.00	70	3.0	2.620	2	CCMT 09 T3 08				
1.378	1.772							2.480	.197		11.693	1.260	1015								
44.00	56.00	09	3/8	C4	3	1	BR20D-56CC09F-C4L	40.00	6.00		220.00		70	3.0	2.380	2	CCMT 09 T3 08				
1.732	2.205							1.575	.236		8.661		1015								
44.00	56.00	09	3/8	C5	3	2	BR20D-56CC09F-C5L	50.00	6.00	6.00	336.00	40.00	70	3.0	3.720	2	CCMT 09 T3 08				
1.732	2.205							1.969	.236		13.228	1.575	1015								
44.00	56.00	09	3/8	C6	3	2	BR20D-56CC09F-C6L	63.00	6.00	6.00	363.00	40.00	70	3.0	4.350	2	CCMT 09 T3 08				
1.732	2.205							2.480	.236		14.291	1.575	1015								
55.00	71.00	12	1/2	C5	3	1	BR20D-71CC12F-C5M	50.00	8.00		300.00		70	3.0	5.080	2	CCMT 12 04 08				
2.165	2.795							1.969	.315		11.811		1015								
55.00	71.00	12	1/2	C6	3	2	BR20D-71CC12F-C6M	63.00	8.00	5.60	400.00	50.00	70	3.0	6.940	2	CCMT 12 04 08				
2.165	2.795							2.480	.315		15.748	1.969	1015								
70.00	90.00	12	1/2	C6	3	1	BR20D-90CC12F-C6M	63.00	10.00		400.00		70	3.0	9.910	2	CCMT 12 04 08				
2.756	3.543							2.480	.394		15.748		1015								
70.00	90.00	12	1/2	C8	3	2	BR20D-90CC12F-C8M	80.00	10.00	5.60	500.00	63.00	70	3.0	12.660	2	CCMT 12 04 08				
2.756	3.543							3.150	.394		19.685	2.480	1015								
89.00	116.00	12	1/2	C8	3	1	BR20D-116CC12F-C8M	80.00	13.50		500.00		70	3.0	18.490	2	CCMT 12 04 08				
3.504	4.567							3.150	.531		19.685		1015								
89.00	116.00	12	1/2	C8	3	1	BR20D-116CC12F-C8S	80.00	13.50		410.00		70	3.0	12.820	2	CCMT 12 04 08				
3.504	4.567							3.150	.531		16.142		1015								
115.00	150.00	12	1/2	C8	3	1	BR20D-150CC12F-C8M	80.00	17.50		500.00		70	3.0	18.620	2	CCMT 12 04 08				
4.528	5.906							3.150	.689		19.685		1015								

For inserts, see Turning tools catalogue

For spare parts, visit www.sandvik.coromant.com



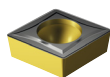
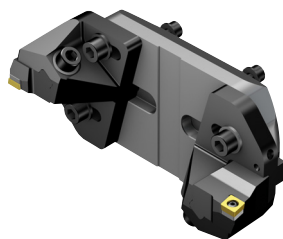
D9



D8

CoroBore® 820 XL damped rough boring tool

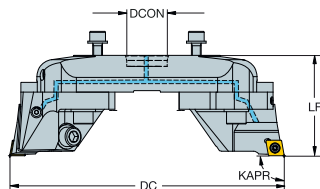
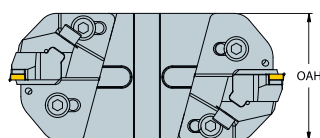
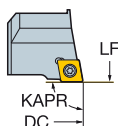
Arbor - Internal coolant supply



CCMT, CCGT
CCGX, CCET
CCMW

KAPR

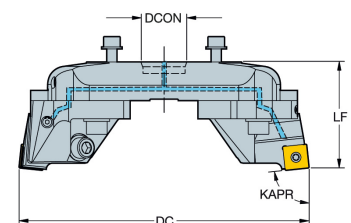
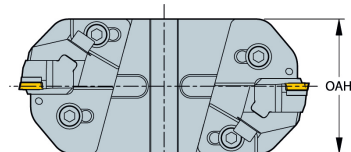
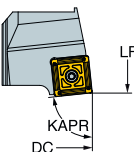
90°



										Dimensions, mm, inch									
DCN	DCX	IC	IC	CZC _{MS}	CNSC	Ordering code	DCN	ADJLX _{AVL}	ADJLX _{RDL}	HSUP	LF	OAH	BAR PSI	NM	KG	CICT	MIID		
148.00	200.00	12	1/2	33	1	820D-200CC12	33.00	1.50	26.00	52.0	82.00	104.00	70	3.0	3.350	2	CCMT 12 04 08		
5.827	7.874						1.299	.059	1.024	2.047	3.228	4.094	1015						
198.00	250.00	12	1/2	33	1	820D-250CC12	33.00	1.50	26.00	52.0	82.00	104.00	70	3.0	3.670	2	CCMT 12 04 08		
7.795	9.843						1.299	.059	1.024	2.047	3.228	4.094	1015						
248.00	300.00	12	1/2	33	1	820D-300CC12	33.00	1.50	26.00	52.0	82.00	104.00	70	3.0	4.030	2	CCMT 12 04 08		
9.764	11.811						1.299	.059	1.024	2.047	3.228	4.094	1015						

KAPR

84°



										Dimensions, mm, inch									
DCN	DCX	IC	IC	CZC _{MS}	CNSC	Ordering code	DCN	ADJLX _{AVL}	ADJLX _{RDL}	HSUP	LF	OAH	BAR PSI	NM	KG	CICT	MIID		
148.00	200.00	18	18	33	1	820D-200SP18Y	33.00	1.50	26.00	52.0	82.00	104.00	70	3.0	3.350	2	SPMT 1810-BM		
5.827	7.874						1.299	.059	1.024	2.047	3.228	4.094	1015						
198.00	250.00	18	18	33	1	820D-250SP18Y	33.00	1.50	26.00	52.0	82.00	104.00	70	3.0	3.670	2	SPMT 1810-BM		
7.795	9.843						1.299	.059	1.024	2.047	3.228	4.094	1015						
248.00	300.00	18	18	33	1	820D-300SP18Y	33.00	1.50	26.00	52.0	82.00	104.00	70	3.0	4.030	2	SPMT 1810-BM		
9.764	11.811						1.299	.059	1.024	2.047	3.228	4.094	1015						

These light weight assemblies are dedicated for use with damped boring adaptors. Damped adaptors are bought separately, see page C9.

For inserts, see Turning tools and Rotating tools catalogue.

For spare parts, visit www.sandvik.coromant.com



C9



D9



D8

CoroBore® 825 damped fine boring tool

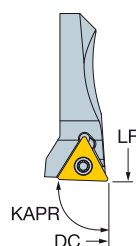
Coromant Capto® - Internal coolant supply



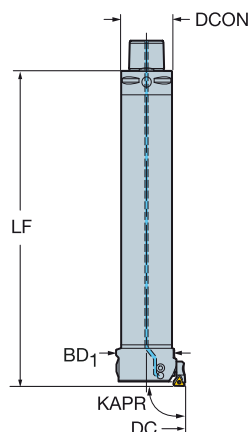
TCMT, TCMX,
TCGT, TCGX
TCEX
TCMW

● ● ● SilentTools®

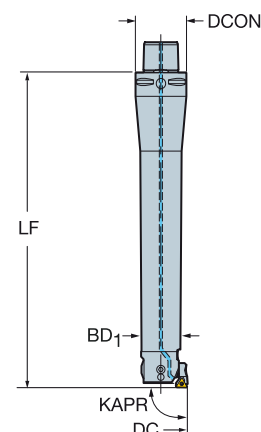
KAPR
DSGN



92°
1



92°
2



B

								Dimensions, mm, inch											
DCN	DCX		CZC _{MS}	CNSC	DSGN	Ordering code	DCON	ADJLX _{BDL}	ULDR	LF	OAH	BD ₁				CICT	MID		
23.00 .906	29.00 1.142	06 5/32	C3	3	2	825D-29TC06-C3	32.00 1.260	3.00 .118	6.00	192.00 7.559	21.00 .827	70 1015	0.6	0.936	1	TCMT 06 T1 02			
28.00 1.102	36.00 1.417	06 5/32	C3	3	2	825D-36TC06-C3	32.00 1.260	4.00 .157	6.00	219.00 8.622	26.00 1.024	70 1015	0.6	1.560	1	TCMT 06 T1 02			
35.00 1.378	45.00 1.772	09 7/32	C4	3	2	825D-45TC09-C4	40.00 1.575	5.00 .197	6.00	272.00 10.709	33.00 1.299	70 1015	0.8	2.720	1	TCMT 09 02 04			
44.00 1.732	56.00 2.205	09 7/32	C5	3	2	825D-56TC09-C5	50.00 1.969	6.00 .236	6.00	332.00 13.071	42.00 1.654	70 1015	0.8	4.720	1	TCMT 09 02 04			
55.00 2.165	70.00 2.756	11 1/4	C5	3	1	825D-70TC11-C5	50.00 1.969	7.50 .295	5.00	260.00 10.236	50.00 1.969	70 1015	0.9	5.320	1	TCMT 11 03 04			
55.00 2.165	70.00 2.756	11 1/4	C6	3	2	825D-70TC11-C6	63.00 2.480	7.50 .295	6.00	412.00 16.221	50.00 1.969	70 1015	0.9	10.120	1	TCMT 11 03 04			
69.00 2.717	87.00 3.425	11 1/4	C6	3	1	825D-87TC11-C6	63.00 2.480	9.00 .354	5.00	330.00 12.992	63.00 2.480	70 1015	0.9	11.640	1	TCMT 11 03 04			
69.00 2.717	87.00 3.425	11 1/4	C8	3	2	825D-87TC11-C8	80.00 3.150	9.00 .354	6.00	522.00 20.551	63.00 2.480	70 1015	0.9	19.620	1	TCMT 11 03 04			
86.00 3.386	107.00 4.213	11 1/4	C6	3	1	825D-107TC11-C6	63.00 2.480	10.50 .413	4.00	330.00 12.992	63.00 2.480	80.00 3.150	70 1015	0.9	11.270	1	TCMT 11 03 04		
86.00 3.386	107.00 4.213	11 1/4	C8	3	1	825D-107TC11-C8	80.00 3.150	10.50 .413	4.00	400.00 15.748	80.00 3.150	70 1015	0.9	18.000	1	TCMT 11 03 04			
106.00 4.173	137.00 5.394	11 1/4	C6	3	1	825D-137TC11-C6	63.00 2.480	15.50 .610	3.00	330.00 12.992	90.00 3.543	100.00 3.937	70 1015	0.9	11.350	1	TCMT 11 03 04		
106.00 4.173	137.00 5.394	11 1/4	C8	3	1	825D-137TC11-C8	80.00 3.150	15.50 .610	3.00	400.00 15.748	100.00 3.937	70 1015	0.9	18.300	1	TCMT 11 03 04			
136.00 5.354	167.00 6.575	11 1/4	C6	3	1	825D-167TC11-C6	63.00 2.480	15.50 .610	2.50	330.00 12.992	76.00 2.992	130.00 5.118	70 1015	0.9	11.400	1	TCMT 11 03 04		
136.00 5.354	167.00 6.575	11 1/4	C8	3	1	825D-167TC11-C8	80.00 3.150	15.50 .610	2.50	400.00 15.748	130.00 5.118	70 1015	0.9	18.880	1	TCMT 11 03 04			

Diameters are valid when frontboring.

For inserts, see Turning tools catalogue

For spare parts, visit www.sandvik.coromant.com

C

D



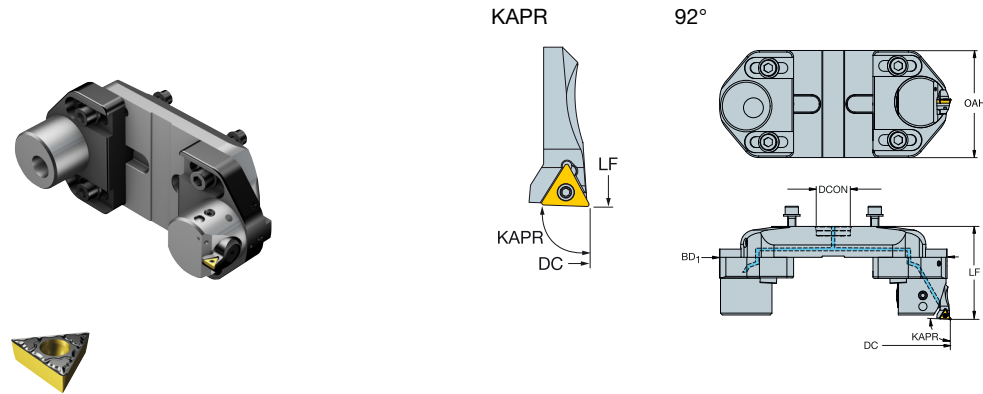
D9



D8

CoroBore® 825 XL fine boring tool

Coromant Capto® - Internal coolant supply



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

							Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	HSUP	LF	OAH	BD ₁				CICT	MIID	
148.00	215.00	11	1/4	33	1	825D-215TC11	33.00	33.50	60.0	90.00	104.00	145.00	70	0.9	2.620	1	TCMT 11 03 04	
5.827	8.465						1.299	1.319	2.362	3.543	4.094	5.709	1015					
198.00	265.00	11	1/4	33	1	825D-265TC11	33.00	33.50	60.0	90.00	104.00	195.00	70	0.9	2.940	1	TCMT 11 03 04	
7.795	10.433						1.299	1.319	2.362	3.543	4.094	7.677	1015					
248.00	315.00	11	1/4	33	1	825D-315TC11	33.00	33.50	60.0	90.00	104.00	245.00	70	0.9	0.450	1	TCMT 11 03 04	
9.764	12.402						1.299	1.319	2.362	3.543	4.094	9.646	1015					

CoroBore® 826D XL

							Dimensions, mm, inch											
DCN	DCX			CZC _{MS}	CNSC	Ordering code	DCON	ADJLX _{RDL}	HSUP	LF	OAH	BD ₁				CICT	MIID	
148.00	200.00	11	1/4	33	1	826D-200TC11	33.00	26.00	60.0	90.00	104.00	145.00	70	0.9	3.940	1	TCMT 11 03 04	
5.827	7.874						1.299	1.024	2.362	3.543	4.094	5.709	1015					
198.00	250.00	11	1/4	33	1	826D-250TC11	33.00	26.00	60.0	90.00	104.00	195.00	70	0.9	2.940	1	TCMT 11 03 04	
7.795	9.843						1.299	1.024	2.362	3.543	4.094	7.677	1015					
248.00	300.00	11	1/4	33	1	826D-300TC11	33.00	26.00	60.0	90.00	104.00	245.00	70	0.9	4.516	1	TCMT 11 03 04	
9.764	11.811						1.299	1.024	2.362	3.543	4.094	9.646	1015					

Diameters are valid when frontboring.
These light weight assemblies are dedicated for use with damped boring adaptors. Damped adaptors are bought separately, see page C9.
For inserts, see Turning tools catalogue
For spare parts, visit www.sandvik.coromant.com

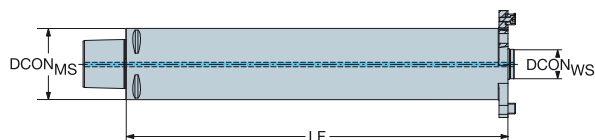


Coromant Capto® to CoroBore® XL damped tool body

Internal coolant supply



SilentTools®



			Dimensions, mm, inch									
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	DCON _{MS}	DCON _{WS}	LF ₁	WF	OAH	OAW	BAR PSI	KG	
C8	33	3	C8-R822XLA33-F410	80.00	33.00	410.00	0.00	80.00	120.00	70	17.900	
				3.150	1.299	16.142	.000	3.150	4.724	1015		
C10	33	3	C10-R822XLA33-F560	100.00	33.00	560.00	0.00	100.00	120.00	70	26.500	
				3.937	1.299	22.047	.000	3.937	4.724	1015		

Corobore® XL pre measuring unit



			Dimensions, mm, inch					
CZC _{MS}	CZC _{WS}	CNSC	Ordering code	OAL	DCON	LF	BD ₁	KG
50	33	0	I50-PMU-A33	178.30	33	50.0	130.0	5.59
				7.019	1.299	1.969	5.118	



D9



D8

General information	D
CoroTurn® SL	D4
Tailor Made	D5
Safety information	D6
Coromant Recycling Concept	D7
Coolant supply information	D8
ISO 13399	D9
Alphanumeric index	D12

To order your tools..

Online, printed or digital - there are many ways to find the complete assortment and to order your tools.

www.sandvik.coromant.com

Find the latest assortment on our website

Publications

The digital library is available both online and offline at
www.sandvik.coromant.com/publications

Printed catalogues

Contact your local Sandvik representative for more information.

Applications

Whether it's finding the right insert, calculating your start values or optimizing settings to maximize the performance of all of your applications; we have an app for that. See
www.sandvik.coromant.com/apps

CoroTurn® SL

Modular system of adaptors with exchangeable cutting heads

Application

- For internal and external turning, grooving and threading
- Perfect in combination with Silent Tools™ dampening boring bars in operations with long overhangs or vibration tendencies

Benefits and features

Flexible tooling

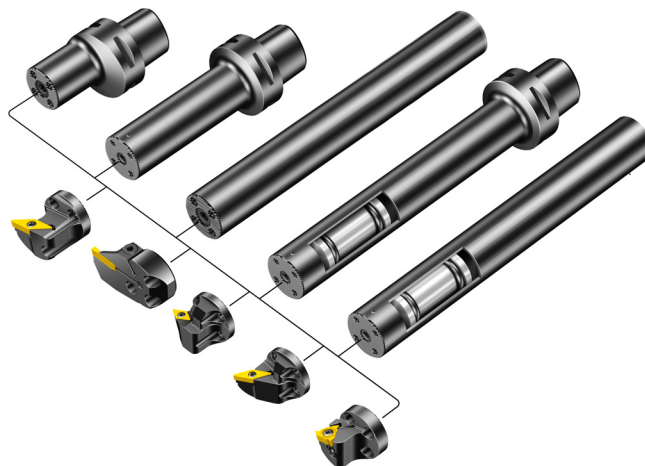
- The ingenious Serration Lock (SL) interface is extremely robust and lets you create a wide range of tool combinations from a small inventory of adaptors and cutting heads
- Adaptors available for both internal and external machining

Reliable chip evacuation and long tool life

- The high precision nozzles on the cutting heads put coolant exactly where you need it, for good chip breaking and long tool life
- Tool wear is mainly on the exchangeable cutting head, extending the life of the adaptor

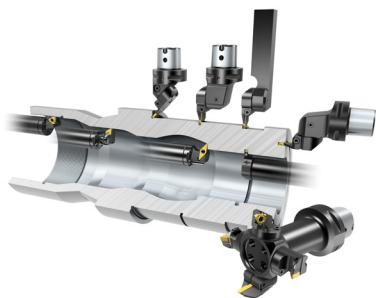
High machine utilization

- Quick change with Coromant Capto®
- Adaptors with internal coolant for efficient coolant supply



CoroTurn® SL is divided into four different systems:

1. Cutting heads, shank tools and adaptors



2. CoroTurn® SL70 for profiling and pocketing



3. Quick change for large bores

4. Quick change for small bores



Engineered solutions

Additional tool options designed for your specific requirements.

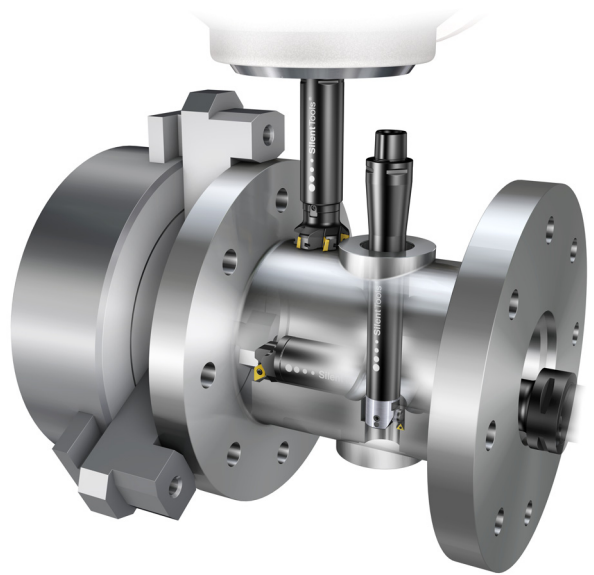


In addition to a wide program of standard stocked Silent Tools®, we can offer engineered tools, specially designed to your needs. We are able to offer Silent Tools® with a wide range of different couplings, sizes and features.

Optimised design

For maximum performance the boring bar body should be designed with high static stiffness, by use of advanced materials and optimised geometry. High stiffness will reduce static deflections and increase the stability when machining with long overhang. The tool diameter should be as large as possible, and custom-made boring bars can be designed to utilise the available space inside the workpiece.

Boring bars can be custom-made with different types of tool holding systems, and the boring bar body can be tapered, eccentric and carbide reinforced to maximise the stiffness.



What you can expect from us

- Quick quotation
- Easy ordering
- Performance guarantee at given product and cutting data
- Competitive delivery times



Silent Tools® +

The connectivity of Silent Tools + is available for operators through a digital dashboard with data directly from inside your component. Oversee machining in real-time or record the session for post-machining analysis.

The Silent Tools + vibration indicator will pick up issues with your machining in an early stage and will help you prevent chip jamming.

Knowing what is happening inside the component is a challenge when doing internal turning in slender components. By displaying when the tool is in cut or not on a dashboard, the operator can easily get a sense of the machining. Thus, time when the machine is running without the tool in cut can be reduced.

The temperature of the damping system is displayed on the Silent Tools + dashboard, enabling operators to monitor that the system is not damaged due to heat.

Safety information

Safety information in connection with grinding of cemented carbide

Material composition

Tool holders

Tool holders mainly contain iron (FE), and low alloy elements such as chromium, nickel, manganese, molybdenum and silicon.

Indexable inserts/cutting tools/round tools

Substances in cemented carbide products contain mostly wolfram carbide and cobalt. They may also contain carbides and carbonitrides of the following elements: titanium, tantalum, niobium, chromium, molybdenum and vanadium.

Routes of exposure

Grinding or heating of hard metal blanks or hard metal products will produce products that give off dangerous dust and fumes. Avoiding ingestion and contact with skin or eyes is very important.

Acute toxicity

Intake of the aforementioned substances is toxic. Inhalation may cause irritation and inflammation of the airways. Significantly higher acute inhalation toxicity has been reported during simultaneous inhalation of cobalt and tungsten carbide compared to inhalation of cobalt alone.

Skin contact can cause irritation and rash. Sensitive individuals may even experience an allergic reaction.

Chronic toxicity

Repeated inhalation of aerosols containing cobalt may cause obstruction of the airways. Prolonged exposure to increased concentrations may cause lung fibrosis or lung cancer. Epidemiological studies indicate that workers previously exposed to high concentrations of tungsten carbide/cobalt carried an increased risk of developing lung cancer.

Cobalt and nickel are potent skin sensitizers. Repeated or prolonged contact can cause irritation and sensitization.

Risk phrases

Toxic: danger of serious damage to health by prolonged exposure through inhalation

Toxic when inhaled

Limited evidence of a carcinogenic effect.

May cause sensitization by inhalation and skin contact

Preventive measures

Avoid formation and inhalation of dust. Use adequate local exhaust ventilation to keep personal exposure well below nationally authorised limits.

If ventilation is not available or adequate, use respirators appropriately approved for the purpose.

Use safety goggles or glasses with side shields when necessary.

Avoid repeated skin contact. Wear suitable gloves. Wash skin thoroughly after handling.

Use suitable protective clothing. Launder clothing if needed.

Do not eat, drink or smoke in the working area. Wash skin thoroughly before eating, drinking or smoking.



For the sake of the environment

Get into the Sandvik Coromant Recycling Concept now!

The Sandvik Coromant Recycling Concept is a comprehensive service for used carbide inserts and solid carbide tools offered by Sandvik Coromant to all its customers.

In the light of increasing consumption of non-renewable raw materials, the economic management of dwindling resources is a duty owed by all manufacturers.

Sandvik Coromant is playing its part by offering to collect used carbide inserts and solid carbide tools and recycle them in the most environmentally friendly way.

All used carbide inserts are collected in the collection box at the workplace.

When the collection box is sufficiently full, its contents are transferred to the transport box.

The full transport box is then sent to the nearest Sandvik Coromant office or to your Sandvik Coromant dealer who can also give you more information.



The benefits speaks for themselves

- A worldwide ISO and OHAS certified recycling system.
- Open to all Sandvik Coromant customers.
- Simple procedure with collection and transport boxes.
- Less waste, easing the burden on the environment.
- Better utilisation of resources.
- Other manufacturers' carbide inserts are also accepted.

Order collection boxes for each lathe, milling machine, drill or for your machining centre. We recommend one collection box for inserts and one separate box for solid carbide tools for each cutting workplace.

For detailed instructions on how to sell your used cemented carbide, please visit www.sandvik.coromant.com and select your market.

Collection box:

Transport box for solid carbide tools (plywood):

Transport box inserts (plywood):

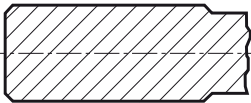
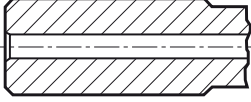
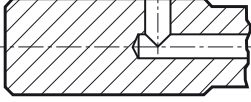
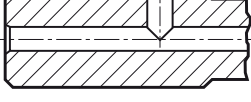
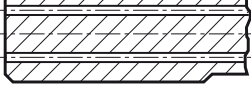
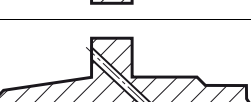
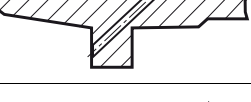
Order numbers

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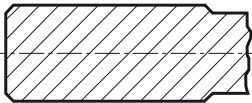
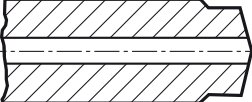
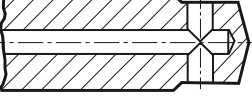
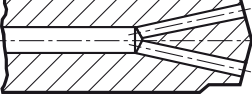
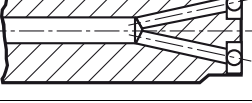
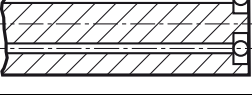
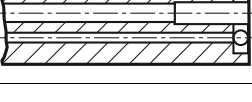
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CNSC**Coolant entry style code**

Code	Description	Image
0	Without coolant	
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	

CXSC**Coolant exit style code**

Code	Description	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 nozzle, adjustable	
7	Decentral over slots on the shank	
8	Axial or decentral with nozzle, adjustable	

To make life easier, a new standard has been developed

ISO 13399 is an international standard that strives to simplify the exchange of data for cutting tools. You will notice a slight difference through the new parameters and descriptions of each tool.

For the first time ever, there is a standardized way of describing product data regarding cutting tools. When all tools in the industry share the same parameters and definitions, communicating tool information becomes very straightforward.

What does this mean to you?

Basically, it means that your systems can talk to ours, as they all speak the same language. Download product data from our web site and use it directly in your CAD/CAM software to assemble tools that you use in production. No need to look for information in catalogues and interpret data from one system to another. Imagine how much time this will save you!

Short name	Preferred Name
ADJLN	Minimum adjustment limit
ADJLX	Maximum adjustment limit
ADJRG	Adjustment range
ALP	Clearance angle axial
AN	Clearance angle major
ANN	Clearance angle minor
APMX	Depth of cut maximum
APMX_EFW	Depth of cut maximum - end feed
APMX_FFW	Depth of cut maximum - side feed
AZ	Maximum plunge depth
B	Shank width
BAWS	Body angle workpiece side
BAMS	Body angle machine side
BBD	Balanced by design
BBR	Balanced by rotational test
BCH	Corner chamfer length
BD	Body diameter
BHTA	Body half taper angle
BN	Face land width
BS	Wiper edge length
BSG	Basic standard group
BSR	Wiper edge radius
CDX	Cutting depth maximum
CEMR	Cutting edge major radius
CF	Spot chamfer
CHBA	Chamfer body angle
CHBL	Chamfer body length
CHW	Corner chamfer width
CICT	Cutting item count
CICT _E	Cutting item count - end position
CICT _P	Cutting item count - peripheral position
CICT _S	Cutting item count - side position
CICT _T	Cutting item count - total
CND	Coolant entry diameter
CNSC	Coolant entry style code
CNT	Coolant entry thread size
COATING	Coating
CP	Max coolant pressure
CRKS	Connection retention knob thread size
CRNT	Coolant radial entry thread size
CTPT	Operation type
CUTDIA	Work piece parting diameter maximum
CW	Cutting width
CWN	Minimum cutting width
CWTOLL	Cutting width lower tolerance
CWTOLU	Cutting width upper tolerance
CWX	Cutting width maximum
CXSC	Coolant exit style code
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	Axial groove outside diameter maximum
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
DCIN	Cutting diameter internal
DCN	Cutting diameter minimum
DCON	Connection diameter
DCON _{MS}	Connection diameter machine side
DCON _{WS}	Connection diameter workpiece side
DCPS	Data chip provision size
DCSF _{MS}	Contact surface diameter machine side
DCSF _{WS}	Contact surface diameter workpiece side
DCX	Cutting diameter maximum
DHUB	Hub diameter
DIX	Tool changer interference diameter maximum
DMIN	Minimum bore diameter
DMM	Shank diameter
DN	Neck diameter
DRVCT	Drive count
DSGN	Design
EPSR	Insert included angle
FHA	Flute helix angle
FLGT	Flange thickness
FTDZ	For thread diameter size
H	Shank height
HA	Thread height theoretical
HB	Thread height difference
HBH	Head bottom offset height
HC	Thread height actual
HF	Functional height
HRY	Lowest point from reference plain
HTB	Body height
HTH	Height
IC	Inscribed circle diameter
INSL	Insert length
INSUC	Insert usage code
IZC	Insert size code
KAPR	Tool cutting edge angle
KAPR_EFW	Tool cutting edge angle - end feed
KCH	Corner chamfer
KRINS	Major cutting edge angle
KWW	Keyway width
L	Cutting edge length
LAMS	Inclination angle
LB	Body length
LCF	Length chip flute
LCOX	Cut off length maximum
LE	Cutting edge effective length
LF	Functional length
LFN	Minimum functional length
LH	Head length
LPR	Protruding length
LS	Shank length
LSC	Clamping length
LSCN	Clamping length minimum
LSCS	Distance to clamping start
LSCX	Clamping length maximum
LSD	Dead shank length
LU	Usable length (max. recommended)
LU_BFW	Usable length - back facing
LUX	Usable length maximum
MHD	Mounting hole distance
MIID	Master insert identification
MIID _E	Master insert identification - end position
MIID _S	Master insert identification - side position
MIID _C	Master insert identification - central position
MIID _P	Master insert identification - peripheral position
MIID _I	Master insert identification - intermediate position
MMCC	Code for preset torque
MMCX	Max. cutting torque
NOF	Flute count
NT	Tooth count
OAH	Overall height
OAL	Overall length
OAW	Overall width
OH	Overhang recommended

OHN	Overhang minimum
OHX	Overhang maximum
ORDCODE	Ordercode
PCL	Peripheral cylindrical length
PDX	Profile distance ex
PDY	Profile distance ey
PHD	Premachined hole diameter
PHDX	Maximum premachined hole diameter
PL	Point length
PNA	Profile included angle
PRFRAD	Profile radius
PRSPC	Profile specification
PSIR	Tool lead angle
PSIRL	Cutting edge angle major left hand
PSIRR	Cutting edge angle major right hand
PSW	Premachined slot width
RADH	Radial body height
RADW	Radial body width
RAR	Right hand relief angle
RE	Corner radius
REEQ	Theoretical radius value required for programming purpose
REL	Corner radius left
RER	Corner radius right
RETOLL	Corner radius lower tolerance
RETOLU	Corner radius upper tolerance
RGL	Regrind length
RMPX	Maximum ramping angle
RPMX	Rotational speed maximum
S	Insert thickness
SDL	Step diameter length
SIG	Point angle
SPTL	Splitline
SSC	Insert seat size code
SSC _E	Insert seat size code - end position
SSC _P	Insert seat size code - peripheral position
SSC _S	Insert seat size code - side position
STA	Step included angle
SUBSTRATE	Substrate
TCDC	Tolerance class cutting diameter
TCDCON	Connection diameter tolerance
TCMMM	Shank diameter tolerance
TCHA	Achievable hole tolerance
TCHAL	Achievable hole tolerance lower
TCHAU	Achievable hole tolerance upper
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
THFT	Form type
THFTS	Thread form standard series
THL	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
TPT	Thread profile type
TPX	Maximum thread pitch
TRMAX	Tap range max
TQ	Torque
TSYC	Tool style code
TTP	Thread type
ULDR	Usable length diameter ratio
VCX	Maximum cutting speed
W1	Insert width
WB	Body width
WF	Functional width
WFCIRP	Width to cutting item reference point
WSC	Clamping width
WT	Weight of item
ZEFF	Face effective cutting edge count
ZEFP	Peripheral effective cutting edge count (ZEFP)
ZWX	Maximum number of Wiper inserts

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