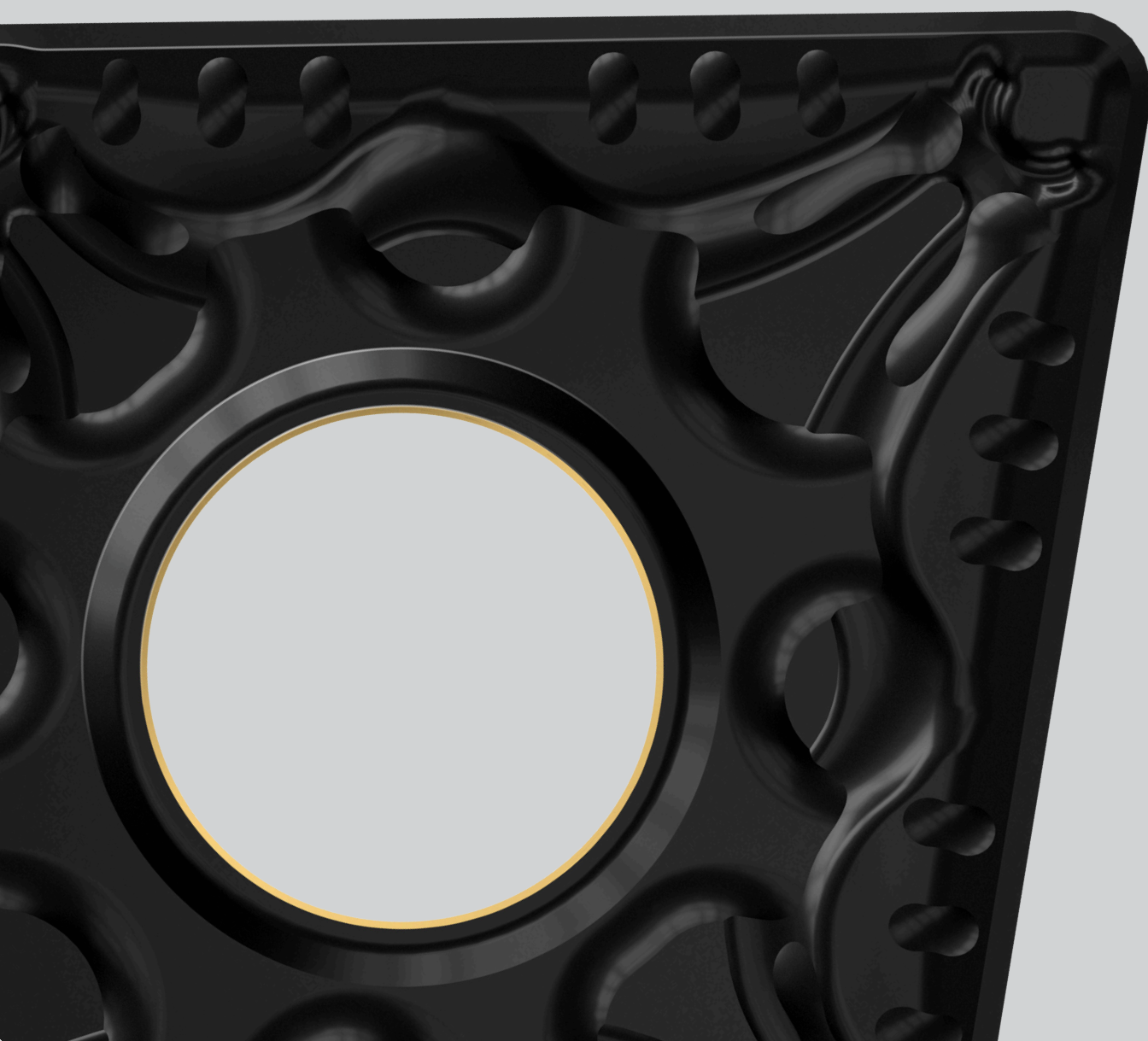

Supplement



General turning	A
Parting and grooving	B
Milling	C
Drilling	D
General information	E

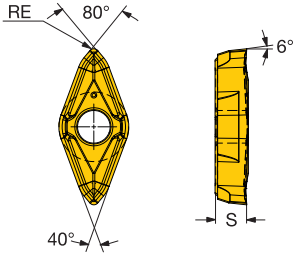
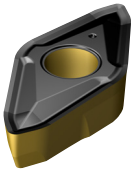
General turning

CoroTurn® Prime		
	Inserts	3
CoroTurn® 300		
	Inserts	4
CoroTurn® 107		
	Inserts	5-10
T-Max® P		
	Inserts	11-22
	External tools	23-25
T-Max®		
	Inserts	26-27
CoroTurn® 111		
	Inserts	28-31
T-Max® S		
	Inserts	32-33

For complete assortment, see www.sandvik.coromant.com

CoroTurn® Prime insert for turning

B-type insert

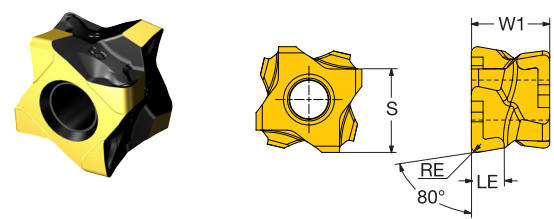


					S
		SSC	S	RE	ISO CODE
		CP-B	5.00	0.80	CP-B1108-H3
Medium	H3				★

SSC = To correspond with SSC on holder.



CoroTurn® 300 insert for turning



B

									P		K		
		SSC	LE	S	RE	W1	BS	ISO CODE	4415	4425	4415	4425	
Finishing	L4	10	4.0	11.00	0.40	10.0		3-80-101104-8-L4	★	☆	☆	★	
		4.0	11.00	0.79	10.0			3-80-101108-8-L4	★	☆	☆	★	
		4.0	11.00	1.19	10.0			3-80-101112-8-L4	★	☆	☆	★	
Medium	M5	10	4.0	11.00	0.79	10.0		3-80-101108-8-M5	☆	★	☆	★	
		4.0	11.00	1.19	10.0			3-80-101112-8-M5	☆	★	☆	★	
	M5W	10	4.0	11.00	0.79	10.0	0.7	3-80-101108-8-M5W	☆	★	☆	★	
		4.0	11.00	1.19	10.0	0.8		3-80-101112-8-M5W	☆	★	☆	★	

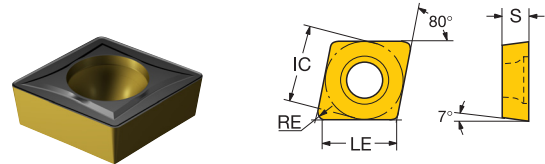
SSC = To correspond with SSC on holder.

C

D

E

CoroTurn® 107 insert for turning
C-style insert (Rhombic 80°)



			LE	S	RE	ISO CODE	P K S			
							4415	4425	4415	4425
Finishing	MF	09	8.9	3.97	0.79	CCMT 09 T3 08-MF				★
Medium	PMC	09	9.3	3.97	0.40	CCMT 09 T3 04-PMC		★		★
			8.9	3.97	0.79	CCMT 09 T3 08-PMC		★		★
	UM	06	5.6	2.38	0.79	CCMT 06 02 08-UM	★		★	
Roughing	UR	06	6.0	2.38	0.40	CCMT 06 02 04-UR	★		★	

B

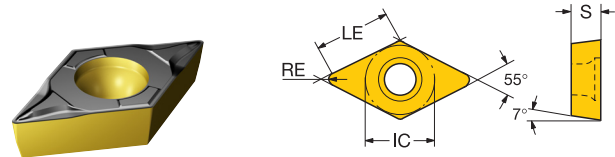
C

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CoroTurn® 107 insert for turning

D-style insert (Rhombic 55°)



B

			LE	S	RE	ISO CODE	P	K	S
Finishing	MF	11	10.8	3.97	0.79	DCMT 11 T3 08-MF	4425	4425	S205
Medium	PMC	11	11.2	3.97	0.40	DCMT 11 T3 04-PMC	★	★	
			10.8	3.97	0.79	DCMT 11 T3 08-PMC	★	★	

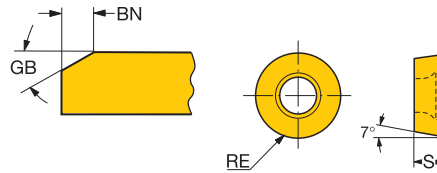
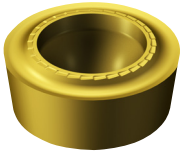
C

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CoroTurn® 107 insert for turning

R-style insert (Round)



		S	RE	GB	BN	ISO CODE	P		K		S
							4415	4425	4415	4425	
Finishing	L3	08 3.18 4.00				RCMT 08 03 MP-L3					★
		10 3.97 5.00				RCMT 10 T3 MP-L3					★
		12 4.76 6.00				RCMT 12 04 MP-L3					★
		16 6.35 8.00				RCMT 16 06 MP-L3					★
Medium	M3	08 3.18 4.00				RCMT 08 03 MP-M3					★
		10 3.97 5.00				RCMT 10 T3 MP-M3					★
		12 4.76 6.00				RCMT 12 04 MP-M3					★
		16 6.35 8.00				RCMT 16 06 MP-M3					★
	M0	05 2.38 2.50 0° 0.10				RCMT 05 02 M0	★	★	★	★	
		06 2.38 3.00 0° 0.10				RCMT 06 02 M0	☆	★	☆	★	
		08 3.18 4.00 0° 0.10				RCMT 08 03 M0	☆	★	☆	★	
		10 3.97 5.00 15° 0.10				RCMT 10 T3 M0	☆	★	☆	★	
		12 4.76 6.00 15° 0.12				RCMT 12 04 M0	☆	★	☆	★	
		16 6.35 8.00 15° 0.15				RCMT 16 06 M0	☆	★	☆	★	
		20 6.35 10.00 15° 0.15				RCMT 20 06 M0		★		★	
		25 7.94 12.50 15° 0.20				RCMT 25 07 M0		★		★	
		32 9.53 16.00 15° 0.20				RCMT 32 09 M0		★		★	
	SM	06 3.18 3.18				RCMT 06 03 00-SM					★
		08 3.18 4.00				RCMT 08 03 M0-SM					★
		09 3.97 4.76 15° 0.10				RCMT 09 T3 00-SM					★
		10 3.97 5.00 15° 0.10				RCMT 10 T3 M0-SM					★
		12 4.76 6.00 15° 0.10				RCMT 12 04 M0-SM					★
		4.76 6.35 15° 0.10				RCMT 12 04 00-SM					★
	00	06 3.18 3.18 0° 0.10				RCMT 16 06 M0-SM					★
		06 3.18 3.18 0° 0.10				RCMT 06 03 00	☆	★	☆	★	
		09 3.97 4.76 15° 0.08				RCMT 09 T3 00	☆	★	☆	★	
		12 4.76 6.35 15° 0.12				RCMT 12 04 00	☆	★	☆	★	
	M0	19 6.35 9.53 15° 0.15				RCMT 19 06 00		★		★	
		09 3.97 4.76 15° 0.10				RCMT 09 T3 00-M0		★		★	
		12 4.76 6.35 15° 0.12				RCMT 12 04 00-M0	☆	★	☆	★	
Roughing	H7	08 3.18 4.00				RCMT 08 03 MP-H7					★
		10 3.97 5.00				RCMT 10 T3 MP-H7					★
		12 4.76 6.00				RCMT 12 04 MP-H7					★
		16 6.35 8.00				RCMT 16 06 MP-H7					★

B

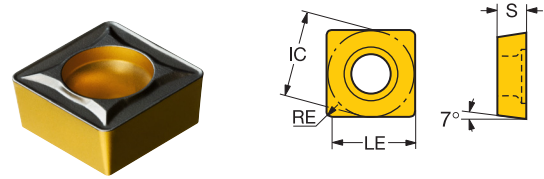
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CoroTurn® 107 insert for turning

S-style insert (Square)

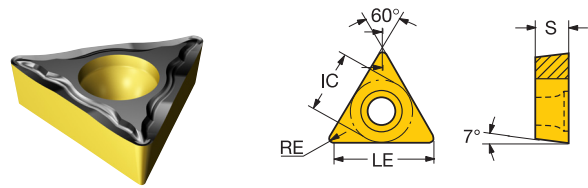


B

			LE	S	RE	ISO CODE	P		K		
							4415	4425	4415	4425	
Medium	PMC	09	9.1	3.97	0.40	SCMT 09 T3 04-PMC		★		★	
Roughing	UR	12	11.9	4.76	0.79	SCMT 12 04 08-UR	★		★		
	XL	38	38.0	9.53	3.18	SCMT 38 09 32-XL		★		★	
	XH	38	34.9	12.70	3.18	SBMT 38 12 32-XH		★		★	

CoroTurn® 107 insert for turning

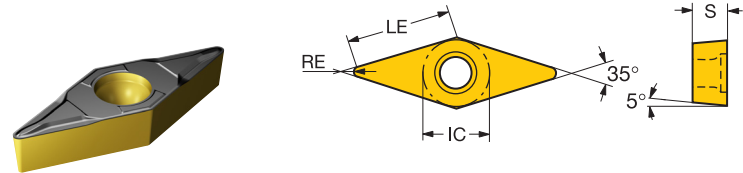
T-style insert (Triangular)



						P	K
						4415	4415
Medium	UM		LE	S	RE	ISO CODE	
		09	8.6	2.38	0.79	TCMT 09 02 08-UM	
						★	★

CoroTurn® 107 insert for turning

V-style insert (Rhombic 35°)



B

			LE	S	RE	ISO CODE	P		K		S	
							4415	4425	4415	4425	5205	
Finishing	MF	16	15.8	4.76	0.79	VBMT 16 04 08-MF					★	
		11	10.3	2.38	0.79	VBMT 11 02 08-UF	★		★			
	UF											
Medium	PMC	16	16.2	4.76	0.40	VBMT 16 04 04-PMC	☆	★	☆	★		
		15.8	4.76	0.79		VBMT 16 04 08-PMC	☆	★	☆	★		
		15.4	4.76	1.19		VBMT 16 04 12-PMC		★		★		
	UM	16	15.8	4.76	1.19	VBMT 16 04 08-UM					★	

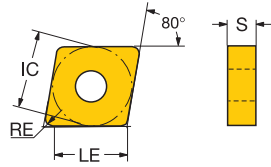
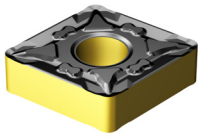
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T-Max® P insert for turning

C-style insert (Rhombic 80°)



			LE	S	RE	BS	ISO CODE	P		K	S		
								4415	4425	4415	4425	S205	
Finishing	PF	19	15.3	11.00	4.00		CNMX 19 11 40-PF		★		★		
	MF	12	12.5	4.76	0.40		CNMG 12 04 04-MF	★	☆	☆	★	★	
			12.1	4.76	0.79		CNMG 12 04 08-MF	★	☆	☆	★	★	
			11.7	4.76	1.19		CNMG 12 04 12-MF	★	☆	☆	★	★	
			11.3	4.76	1.59		CNMG 12 04 16-MF	★		★			
	SGF		8.5	4.76	0.40		CNGG 12 04 04-SGF					★	
			8.5	4.76	0.79		CNGG 12 04 08-SGF					★	
			8.5	4.76	1.19		CNGG 12 04 12-SGF					★	
	PF	12	12.1	4.76	0.79		CNMG 12 04 08-PF	★					
Medium	PMC	12	12.5	4.76	0.40		CNMG 12 04 04-PMC		★		★		
			12.1	4.76	0.79		CNMG 12 04 08-PMC	☆	★	☆	★		
			11.7	4.76	1.19		CNMG 12 04 12-PMC	☆	★	☆	★		
		16	15.3	6.35	0.79		CNMG 16 06 08-PMC		★		★		
			14.9	6.35	1.19		CNMG 16 06 12-PMC	☆	★	☆	★		
	WM	16	15.3	6.35	0.79	0.9	CNMG 16 06 08-WM	★		★			
	QM	19	18.9	6.35	0.40		CNMG 19 06 04-QM	★		★			
	SM	16	15.3	6.35	0.79		CNMG 16 06 08-SM					★	
			10.6	6.35	1.19		CNMG 16 06 12-SM					★	
			10.6	6.35	1.59		CNMG 16 06 16-SM					★	
	HM	19	12.7	6.35	1.59		CNMG 19 06 16-SM					★	
		16	14.9	6.35	1.19		CNMG 16 06 12-HM	☆	★	☆	★		
			14.5	6.35	1.59		CNMG 16 06 16-HM	☆	★	☆	★		
		19	18.1	6.35	1.19		CNMG 19 06 12-HM	☆	★	☆	★		
			17.7	6.35	1.59		CNMG 19 06 16-HM	☆	★	☆	★		
			19.0	6.35	2.38		CNMG 19 06 24-HM	☆	★	☆	★		
		PM	12	11.7	4.76	1.19		CNMG 12 04 12-PM	☆	★			
				11.7	6.35	1.19		CNMG 12 06 12-PM	☆	★			
	QM	12	11.7	4.76	1.19		CNMG 12 04 12-QM	☆	★				
	SMR	12	8.5	4.76	0.79		CNMG 12 04 08-SMR					★	
			8.5	4.76	1.19		CNMG 12 04 12-SMR					★	
		8.5	4.76	1.59		CNMG 12 04 16-SMR					★		
Roughing	WR	12	12.1	4.76	0.79	1.0	CNMM 12 04 08-WR	☆	★	☆	★		
			11.3	4.76	1.59	1.4	CNMM 12 04 16-WR		★		★		
		16	14.9	6.35	1.19	1.4	CNMM 16 06 12-WR	★		★			
			14.5	6.35	1.59	1.5	CNMM 16 06 16-WR		★		★		
		19	17.7	6.35	1.59	1.5	CNMM 19 06 16-WR	☆	★	☆	★		
	PR	25	23.4	9.53	2.38		CNMG 25 09 24-PR		★		★		
	QR	25	23.4	9.53	2.38		CNMM 25 09 24-QR		★		★		
	HR	19	17.7	6.35	1.59		CNMM 19 06 16-HR	☆	★	☆	★		
		16.9	6.35	2.38		CNMM 19 06 24-HR	☆	★	☆	★			
25		23.4	9.53	2.38		CNMM 25 09 24-HR		★		★			
		22.6	9.53	3.18		CNMM 25 09 32-HR		★		★			

B

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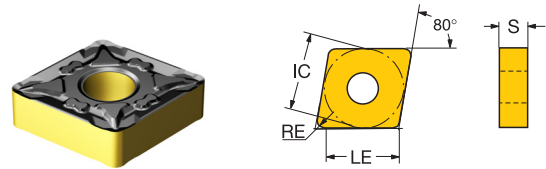
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T-Max® P insert for turning

C-style insert (Rhombic 80°)



B

						ISO CODE	P		K		S	
		LE	S	RE	BS		4415	4425	4415	4425	S205	
Roughing	MR	12	12.1	4.76	0.79	CNMG 12 04 08-MR	☆	★	☆	★		
		11.7	4.76	1.19		CNMG 12 04 12-MR	☆	★	☆	★		
		11.3	4.76	1.59		CNMG 12 04 16-MR	☆	★	☆	★		
		16	15.3	6.35	0.79	CNMG 16 06 08-MR	☆	★	☆	★		
		14.9	6.35	1.19		CNMG 16 06 12-MR	☆	★	☆	★		
		14.5	6.35	1.59		CNMG 16 06 16-MR	☆	★	☆	★		
		19	18.5	6.35	0.79	CNMG 19 06 08-MR	☆	★	☆	★		
		18.1	6.35	1.19		CNMG 19 06 12-MR	☆	★	☆	★		
		17.7	6.35	1.59		CNMG 19 06 16-MR	☆	★	☆	★		
	PR	12	11.3	4.76	1.59	CNMG 12 04 16-PR		★				
		11.3	6.35	1.59		CNMG 12 06 16-PR		★				
	XMR	16	14.5	6.35	1.59	CNMG 16 06 16-XMR	★		★			

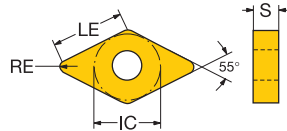
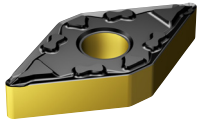
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T-Max® P insert for turning

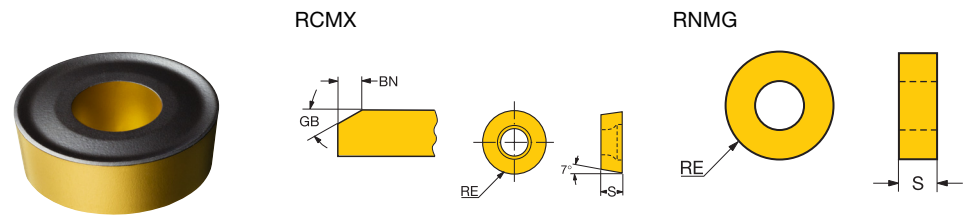
D-style insert (Rhombic 55°)



			LE	S	RE	BS	ISO CODE	P				K				S			
								4415	4425	4415	4425	4415	4425	4415	4425	4415	4425	4415	4425
Finishing	MF	15	15.1	4.76	0.40		DNMG 15 04 04-MF	★	☆	☆	★	★							
		14.7	4.76	0.79			DNMG 15 04 08-MF	★	☆	☆	★	★							
		15.1	6.35	0.40			DNMG 15 06 04-MF	★	☆	☆	★	★							
		14.7	6.35	0.79			DNMG 15 06 08-MF	★	☆	☆	★	★							
		14.3	6.35	1.19			DNMG 15 06 12-MF	★	☆	☆	★	★							
	MF	11	11.2	4.76	0.40		DNMG 11 04 04-MF	★	★		★								
		10.8	4.76	0.79			DNMG 11 04 08-MF	★	☆	☆	★								
		10.4	4.76	1.19			DNMG 11 04 12-MF	★			★								
		15	14.3	4.76	1.19		DNMG 15 04 12-MF	★	★		★								
	K	15	15.1	4.76	0.40		DNMG 15 04 04R-K	★			★								
		14.7	4.76	0.79			DNMG 15 04 08R-K	★			★								
	SGF	15	6.4	4.76	0.40		DNGG 15 04 04-SGF										★		
		6.4	4.76	0.79			DNGG 15 04 08-SGF										★		
		6.4	6.35	0.40			DNGG 15 06 04-SGF										★		
		6.4	6.35	0.79			DNGG 15 06 08-SGF										★		
		6.4	6.35	1.19			DNGG 15 06 12-SGF										★		
	XF	15	15.1	4.76	0.40		DNMG 15 04 04-XF		★			★							
		14.7	4.76	0.79			DNMG 15 04 08-XF	★			★								
		15.1	6.35	0.40			DNMG 15 06 04-XF	★			★								
Medium	PMC	11	11.2	4.76	0.40		DNMG 11 04 04-PMC	☆	★	☆	★								
		10.8	4.76	0.79			DNMG 11 04 08-PMC		★		★								
		15	15.1	4.76	0.40		DNMG 15 04 04-PMC		★		★								
		14.7	4.76	0.79			DNMG 15 04 08-PMC	☆	★	☆	★								
		15.1	6.35	0.40			DNMG 15 06 04-PMC	☆	★	☆	★								
		14.7	6.35	0.79			DNMG 15 06 08-PMC	☆	★	☆	★								
	WM	15	14.3	4.76	1.19	0.8	DNMX 15 04 12-WM	☆	★	☆	★								
		13.9	4.76	1.59	1.0		DNMX 15 04 16-WM		★		★								
	QM	15	14.7	4.76	0.79		DNMG 15 04 08-QM										★		
	SM	11	11.2	4.76	0.40		DNMG 11 04 04-SM										★		
	XM	15	15.1	4.76	0.40		DNMG 15 04 04-XM		★			★							
		14.7	4.76	0.79			DNMG 15 04 08-XM	★			★								
	SMR	15	6.4	4.76	0.79		DNMG 15 04 08-SMR										★		
		6.4	4.76	1.19			DNMG 15 04 12-SMR										★		
		6.4	6.35	0.79			DNMG 15 06 08-SMR										★		
		6.4	6.35	1.19			DNMG 15 06 12-SMR										★		
		6.4	6.35	1.59			DNMG 15 06 16-SMR										★		
Roughing	PR	19	18.2	6.35	1.19		DNMG 19 06 12-PR	★			★								
	MR	15	14.7	4.76	0.79		DNMG 15 04 08-MR	☆	★	☆	★								
		14.3	4.76	1.19			DNMG 15 04 12-MR	★			★								
		14.7	6.35	0.79			DNMG 15 06 08-MR	☆	★	☆	★								
		14.3	6.35	1.19			DNMG 15 06 12-MR	☆	★	☆	★								
		13.9	6.35	1.59			DNMG 15 06 16-MR	☆	★	☆	★								

T-Max® P insert for turning

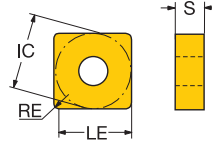
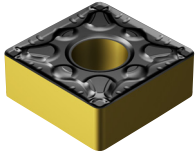
R-style insert (Round)



			S	RE	GB	BN	ISO CODE	P		K	
								4415	4425	4415	4425
Medium	80	10	3.18	5.00	15°	0.20	RCMX 10 03 00	☆	★	☆	★
		12	4.76	6.00	15°	0.20	RCMX 12 04 00	☆	★	☆	★
		16	6.35	8.00	15°	0.25	RCMX 16 06 00	☆	★	☆	★
		20	6.35	10.00	15°	0.30	RCMX 20 06 00		★		★
		25	7.94	12.50	15°	0.40	RCMX 25 07 00		★		★
		32	9.53	16.00	15°	0.40	RCMX 32 09 00		★		★
		09	3.18	4.76			RNMG 09 03 00		★		★
		12	4.76	6.35			RNMG 12 04 00	☆	★	☆	★
		15	6.35	7.94			RNMG 15 06 00	☆	★	☆	★
		19	6.35	9.53			RNMG 19 06 00		★		★
		25	9.53	12.70			RNMG 25 09 00		★		★

T-Max® P insert for turning

S-style insert (Square)



			LE	S	RE	ISO CODE	P				K				S			
							4415	4425	4415	4425	4415	4425	4415	4425	4415	4425	4415	4425
Finishing	MF	12	11.9	4.76	0.79	SNMG 12 04 08-MF	★	☆	☆	★								
		11.5	4.76	1.19	SNMG 12 04 12-MF	★	☆	☆	★									
Medium	PMC	12	11.5	4.76	1.19	SNMG 12 04 12-PMC		★		★								
		15	14.3	6.35	1.59	SNMG 15 06 16-PM	★		★									
	QM	12	11.9	4.76	0.79	SNMG 12 04 08-QM									★			
		11.1	4.76	1.59	SNMG 12 04 16-QM	★		★										
		15	14.7	6.35	1.19	SNMG 15 06 12-QM	★		★									
		19	17.5	6.35	1.59	SNMG 19 06 16-QM	★		★									
	SM	12	8.5	4.76	0.79	SNMG 12 04 08-SM									★			
		8.5	4.76	1.19	SNMG 12 04 12-SM										★			
		8.5	4.76	1.59	SNMG 12 04 16-SM										★			
		15	10.6	6.35	1.19	SNMG 15 06 12-SM									★			
		19	12.7	6.35	1.59	SNMG 19 06 16-SM									★			
	HM	15	14.7	6.35	1.19	SNMG 15 06 12-HM	☆	★	☆	★								
		14.3	6.35	1.59	SNMG 15 06 16-HM	☆	★	☆	★									
		19	17.9	6.35	1.19	SNMG 19 06 12-HM	☆	★	☆	★								
		17.5	6.35	1.59	SNMG 19 06 16-HM	☆	★	☆	★									
		19.0	6.35	2.38	SNMG 19 06 24-HM	☆	★	☆	★									
	KM	25	23.0	9.53	2.38	SNMG 25 09 24-HM		★		★								
		12	11.1	4.76	1.59	SNMU 12 04 16-KM		★		★								
	XM	12	11.5	4.76	1.19	SNMG 12 04 12-XM		★		★								
	SMR	12	8.5	4.76	0.79	SNMG 12 04 08-SMR									★			
		8.5	4.76	1.19	SNMG 12 04 12-SMR										★			
Roughing	MR	25	23.0	7.94	2.38	SNMM 25 07 24-MR	☆	★	☆	★								
	PR	19	18.3	6.35	0.79	SNMG 19 06 08-PR	★		★									
		25	23.8	7.94	1.59	SNMG 25 07 16-PR		★		★								
		23.0	7.94	2.38	SNMG 25 07 24-PR		★		★									
		23.0	9.53	2.38	SNMG 25 09 24-PR		★		★									
	QR	25	23.0	7.94	2.38	SNMM 25 07 24-QR		★		★								
	HR	19	17.5	6.35	1.59	SNMM 19 06 16-HR	☆	★	☆	★								
		16.7	6.35	2.38	SNMM 19 06 24-HR		★		★									
		25	23.0	7.94	2.38	SNMM 25 07 24-HR		★		★								
		22.2	7.94	3.18	SNMM 25 07 32-HR		★		★									
		23.0	9.53	2.38	SNMM 25 09 24-HR		★		★									
		22.2	9.53	3.18	SNMM 25 09 32-HR		★		★									
	MR	12	11.9	4.76	0.79	SNMG 12 04 08-MR	☆	★	☆	★								
		11.5	4.76	1.19	SNMG 12 04 12-MR	☆	★	☆	★									
		11.1	4.76	1.59	SNMG 12 04 16-MR	☆	★	☆	★									
		15	14.7	6.35	1.19	SNMG 15 06 12-MR	☆	★	☆	★								
		14.3	6.35	1.59	SNMG 15 06 16-MR	☆	★	☆	★									
		19	18.3	6.35	0.79	SNMG 19 06 08-MR		★		★								
		17.9	6.35	1.19	SNMG 19 06 12-MR	☆	★	☆	★									
		17.5	6.35	1.59	SNMG 19 06 16-MR	☆	★	☆	★									
	XMR	12	11.9	4.76	0.79	SNMG 12 04 08-XMR		★		★								
		11.5	4.76	1.19	SNMG 12 04 12-XMR	☆	★	☆	★									
SMR		15	10.6	6.35	1.59	SNMG 15 06 16-SMR									★			
		19	12.7	6.35	1.59	SNMG 19 06 16-SMR									★			

B

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E

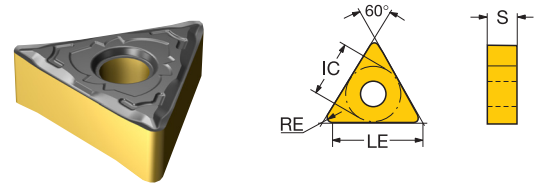


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T-Max® P insert for turning
T-style insert (Triangular)



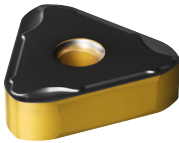
B

			LE	S	RE	BS	ISO CODE	P		K		S	
								4415	4425	4415	4425	4425	4425
Finishing	MF	11	10.8	3.18	0.20		TNMG 11 03 02-MF	★	☆	☆	★		
			10.6	3.18	0.40		TNMG 11 03 04-MF	★	☆	☆	★		
			10.2	3.18	0.79		TNMG 11 03 08-MF	★	☆	☆	★		
			9.8	3.18	1.19		TNMG 11 03 12-MF		★		★		
		16	16.1	4.76	0.40		TNMG 16 04 04-MF	★	☆	☆	★		
			15.7	4.76	0.79		TNMG 16 04 08-MF	★	☆	☆	★		
			15.3	4.76	1.19		TNMG 16 04 12-MF	★	☆	☆	★		
			14.9	4.76	1.59		TNMG 16 04 16-MF	★	☆	☆	★		
		22	21.6	4.76	0.40		TNMG 22 04 04-MF		★		★		
			21.2	4.76	0.79		TNMG 22 04 08-MF	★	☆	☆	★		
			20.8	4.76	1.19		TNMG 22 04 12-MF	★	☆	☆	★		
	PF	16	15.7	4.76	0.79		TNMG 16 04 08-PF	★					
	WM	16	15.3	4.76	1.19	0.6	TNMG 16 04 12-WM	★	☆				
Medium	SF	16	4.8	4.76	0.40		TNMG 16 04 04-SF					★	
			4.8	4.76	0.79		TNMG 16 04 08-SF					★	
	PMC	16	15.7	4.76	0.79		TNMG 16 04 08-PMC	☆	★	☆	★		
	QM	27	26.7	6.35	0.79		TNMG 27 06 08-QM		★		★		
			26.3	6.35	1.19		TNMG 27 06 12-QM	☆	★	☆	★		
	SM	16	4.8	4.76	0.79		TNMG 16 04 08-SM					★	
			4.8	4.76	1.19		TNMG 16 04 12-SM					★	
	HM	22	6.4	4.76	0.79		TNMG 22 04 08-SM					★	
		27	27.0	6.35	1.19		TNMG 27 06 12-HM		★		★		
		33	33.0	9.53	2.38		TNMG 33 09 24-HM		★		★		
	WR	22	20.8	4.76	1.19	1.3	TNMG 22 04 12-WR	★		★			
			20.4	4.76	1.59	1.4	TNMG 22 04 16-WR	★		★			
	PR	27	26.7	6.35	0.79		TNMG 27 06 08-PR	☆	★	☆	★		
			26.3	6.35	1.19		TNMG 27 06 12-PR	☆	★	☆	★		
			25.9	6.35	1.59		TNMG 27 06 16-PR	☆	★	☆	★		
		33	31.4	7.94	1.59		TNMG 33 07 16-PR		★		★		
Roughing	QR		30.6	9.53	2.38		TNMG 33 09 24-PR	☆	★	☆	★		
		22	21.2	4.76	0.79		TNMG 22 04 08-QR	★		★			
			25.9	6.35	1.59		TNMG 27 06 16-QR		★		★		
		27	25.9	6.35	1.59		TNMG 27 06 16-QR		★		★		
	HR	27	25.9	6.35	1.59		TNMG 27 06 16-HR		★		★		
			25.1	6.35	2.38		TNMG 27 06 24-HR	☆	★	☆	★		
	MR	16	15.7	4.76	0.79		TNMG 16 04 08-MR	☆	★	☆	★		
			15.3	4.76	1.19		TNMG 16 04 12-MR	☆	★	☆	★		
		22	21.2	4.76	0.79		TNMG 22 04 08-MR	☆	★	☆	★		
			20.8	4.76	1.19		TNMG 22 04 12-MR	☆	★	☆	★		
			20.4	4.76	1.59		TNMG 22 04 16-MR	☆	★	☆	★		
			19.6	4.76	2.38		TNMG 22 04 24-MR	★		★			
		27	26.7	6.35	0.79		TNMG 27 06 08-MR		★		★		
			26.3	6.35	1.19		TNMG 27 06 12-MR	☆	★	☆	★		
			25.9	6.35	1.59		TNMG 27 06 16-MR	☆	★	☆	★		
		33	30.6	9.53	2.38		TNMG 33 09 24-MR		★		★		

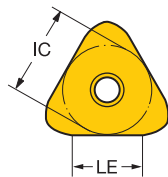
T-Max® P insert for turning

T-style insert (Triangular)

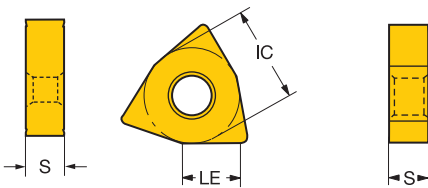
Insert for bar peeling



TNMX49-MF



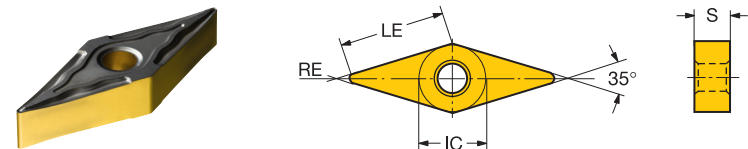
TNMX-2



Finishing										ISO CODE	P		
		LE	S	RE	APMX	BS	KCH	CHW					
		11	8.0	6.35	5.00	2.0	8.0	105°	7.0	TNMX 11 06-2		★	
		15	13.0	9.53	5.00	3.0	13.0	105°	11.0	TNMX 15 09-2		★	
		49	21.0	10.00	12.00	2.5	21.0			TNMX 49 10 51-MF		★	

T-Max® P insert for turning

V-style insert (Rhombic 35°)



B

			LE	S	RE	ISO CODE	P		K		S	
							4415	4425	4415	4425	S205	
Finishing	MF	16	16.2	4.76	0.40	VNMG 16 04 04-MF	★	★	★	★	★	
			15.8	4.76	0.79	VNMG 16 04 08-MF	★	☆	☆	★	★	
			15.4	4.76	1.19	VNMG 16 04 12-MF		★		★		
	SGF	16	2.4	4.76	0.40	VNGG 16 04 04-SGF					★	
			2.4	4.76	0.79	VNGG 16 04 08-SGF					★	
			2.4	4.76	1.19	VNGG 16 04 12-SGF					★	
Medium	PMC	16	16.2	4.76	0.40	VNMG 16 04 04-PMC	☆	★	☆	★		
			15.8	4.76	0.79	VNMG 16 04 08-PMC	☆	★	☆	★		
			15.4	4.76	1.19	VNMG 16 04 12-PMC		★		★		
	QM	16	15.4	4.76	1.19	VNMG 16 04 12-QM					★	

C

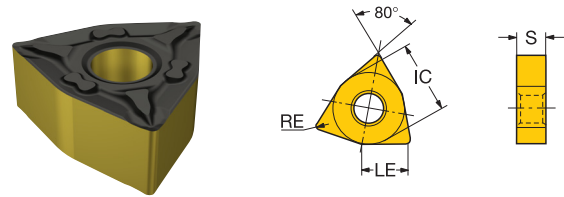
D

E

ENG

T-Max® P insert for turning

W-style insert (Trigon 80°)



			LE	S	RE	BS	ISO CODE	P		K		S
								4415	4425	4415	4425	S205
Finishing	MF	06	6.1	4.76	0.40		WNMG 06 04 04-MF		★		★	
			5.7	4.76	0.79		WNMG 06 04 08-MF		★		★	
		08	8.3	4.76	0.40		WNMG 08 04 04-MF		★		★	
			7.9	4.76	0.79		WNMG 08 04 08-MF		★		★	★
	SGF	08	3.2	4.76	0.40		WNGG 08 04 04-SGF					★
			3.2	4.76	0.79		WNGG 08 04 08-SGF					★
	WM	08	7.5	4.76	1.19	1.1	WNMU 08 04 12-WM	★	☆			
Medium	PMC	08	8.3	4.76	0.40		WNMG 08 04 04-PMC	☆	★	☆	★	
			7.9	4.76	0.79		WNMG 08 04 08-PMC	☆	★	☆	★	
			7.5	4.76	1.19		WNMG 08 04 12-PMC	☆	★	☆	★	
	SMR	08	7.9	4.76	0.79		WNMG 08 04 08-SMR					★
Roughing	XMR	08	7.5	4.76	1.19		WNMG 08 04 12-XMR	★		★		
	MR	08	7.9	4.76	0.79		WNMG 08 04 08-MR	☆	★	☆	★	
			7.5	4.76	1.19		WNMG 08 04 12-MR	☆	★	☆	★	
			7.1	4.76	1.59		WNMG 08 04 16-MR	☆	★	☆	★	

B

C

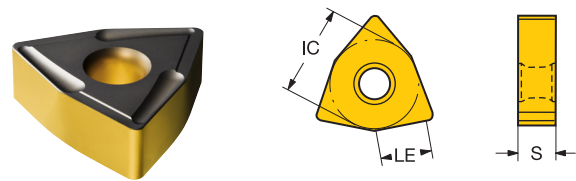
D

E

T-Max® P insert for turning

W-style insert (Trigon 80°)

Insert for bar peeling



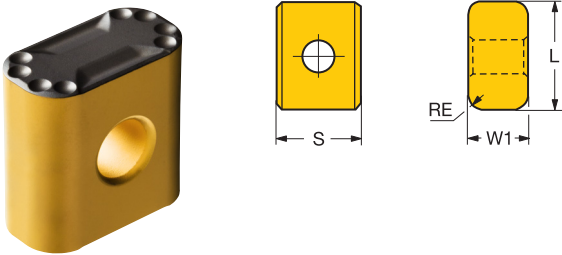
											P		
		LE	S	RE	APMX	BS	KCH	CHW	ISO CODE	4425			
Medium	MM	21	15.0	12.70	16.00	5.0	7.5	100°	18.0	WNMX 21 12 51-MM	★		
	PM	15	13.0	9.53	11.00	3.0	5.3	100°	11.0	WNMT 15 09 31-PM	★		

C

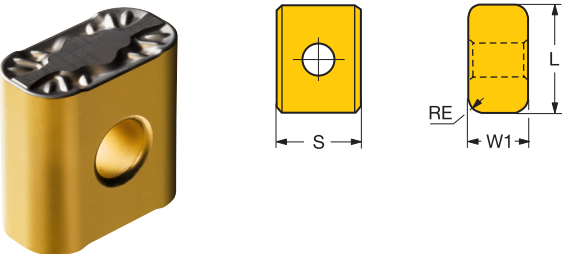
D

E

T-Max® P insert for turning

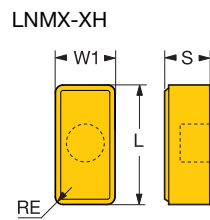


			LE	S	RE	W1	ISO CODE	P K	
								4425	4425
Medium	25	19	15.1	19.05	4.00	10.0	175.32-19 19 40-25	★	★



			LE	S	RE	W1	ISO CODE	P	
								4425	
Finishing	PF	19	15.1	19.05	4.00	10.0	LNUX 19 19 40-PF	★	
Medium	PM	19	15.1	19.05	4.00	10.0	LNMX 19 19 40-PM	★	
		30	26.0	19.05	4.00	12.0	LNMX 30 19 40-PM	★	
		19	15.1	19.05	4.00	10.0	LNUX 19 19 40-PM	★	
Roughing	PR	30	26.0	19.05	4.00	12.0	LNMX 30 19 40-PR	★	
			26.0	19.05	4.00	12.0	LNUX 30 19 40-PR	★	

T-Max® P insert for turning

[illegible]

T-Max® P cutting unit for turning

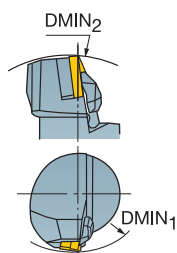
Wedge clamp design

Coromant Capto® - Precision coolant supply

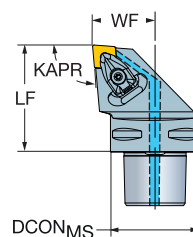


 CNMM
 CNMG
 CNMA, CNGA

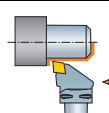
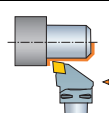
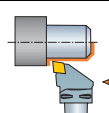
KAPR
PSIR



Cx-DCLNR/L..B
95.0°
-5.0°



B

		Dimensions, mm, inch											
		CZC _{MS}	DMIN ₁	DMIN ₂	CNSC	Ordering code	DCON _{MS}	LF	WF				MIID
	12 1/2	C4	158.0	140.0	3	C4-DCLNR/L-27050-12B	40	50.0	27.0	150	3.9	0.41	CNMG 12 04 08
			6.220	5.512			1.575	1.969	1.063	2175			
	16 5/8	C5	158.0	165.0	3	C5-DCLNR/L-35060-12B	50	60.0	35.0	150	3.9	0.73	CNMG 12 04 08
			6.220	6.496			1.969	2.362	1.378	2175			
	19 3/4	C6	165.0	190.0	3	C6-DCLNR/L-45065-16B	63	65.0	45.0	150	6.4	1.27	CNMG 16 06 12
			6.496	7.480			2.480	2.559	1.772	2175			
	19 3/4	C8	154.0	250.0	3	C8-DCLNR/L-55080-19B	80	80.0	55.0	150	6.4	2.59	CNMG 19 06 12
			6.063	9.843			3.150	3.150	2.165	2175			

R = Right hand, L = Left hand

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

C

D

E



11



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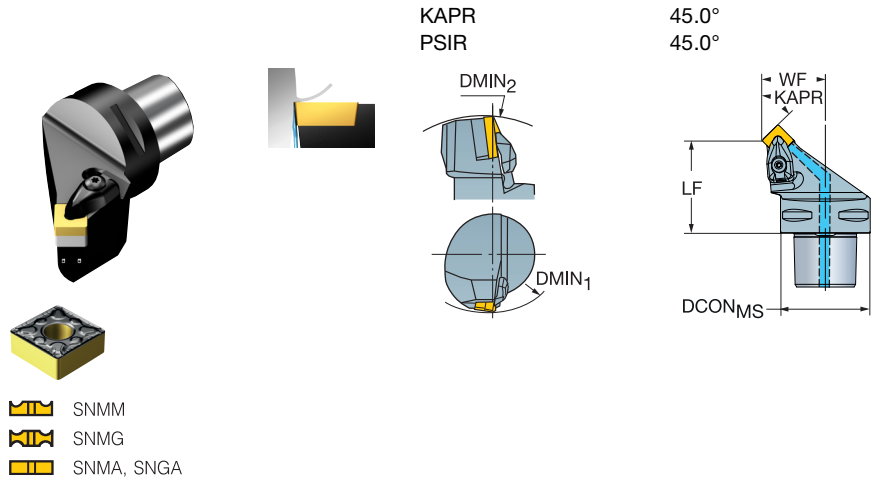


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T-Max® P cutting unit for turning

Wedge clamp design

Coromant Capto® - Precision coolant supply



- SNMM
- SNMG
- SNMA, SNGA

							Dimensions, mm, inch											
	12	1/2	CZC _{MS}	DMIN ₁	DMIN ₂	CNSC	Ordering code	DCON _{MS}	LPR	LF	WF				MIID			
		C4	127.0	140.0	3	C4-DSSNR/L-27042-12B	40	50.3	42.0	27.0	150	3.9	0.35	SNMG 12 04 08				
			5.000	5.512		1.575	1.981	1.654	1.063	2175								
		C5	114.0	165.0	3	C5-DSSNR/L-35052-12B	50	60.3	52.0	35.0	150	3.9	0.67	SNMG 12 04 08				
			4.488	6.496		1.969	2.375	2.047	1.378	2175								
	15	5/8	C6	159.0	190.0	3	C6-DSSNR/L-45054-15B	63	64.2	54.0	45.0	150	6.4	1.13	SNMG 15 06 12			
				6.260	7.480		2.480	2.529	2.126	1.772	2175							

R = Right hand, L = Left hand

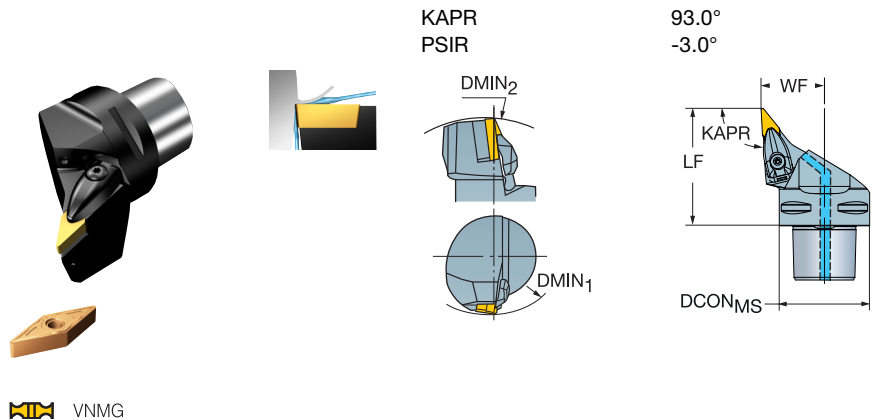
For complete list of spare parts, see www.sandvik.coromant.com



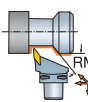
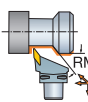
T-Max® P cutting unit for turning

Wedge clamp design

Coromant Capto® - Precision coolant supply



B

								Dimensions, mm, inch						MIID	
			CZC _{MS}	DMIN ₁	DMIN ₂	RMPX	CNSC	Ordering code	DCON _{MS}	LF	WF				
	16	3/8	C4	148.0	152.0	50°	3	C4-DVJNR/L-27062-16C	40	62.0	27.0	150	3.0	0.40	VNMG 16 04 08
				5.827	5.984				1.575	2.441	1.063	2175			
			C5	168.0	170.0	50°	3	C5-DVJNR/L-35065-16C	50	65.0	35.0	150	3.0	0.67	VNMG 16 04 08
				6.614	6.693				1.969	2.559	1.378	2175			
			C6	165.0	191.0	50°	3	C6-DVJNR/L-45065-16C	63	65.0	45.0	150	3.0	1.03	VNMG 16 04 08
				6.496	7.520				2.480	2.559	1.772	2175			
			C8	154.0	250.0	50°	3	C8-DVJNR/L-55080-16C	80	80.0	55.0	150	3.0	2.23	VNMG 16 04 08
				6.063	9.843				3.150	3.150	2.165	2175			

R = Right hand, L = Left hand

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

C

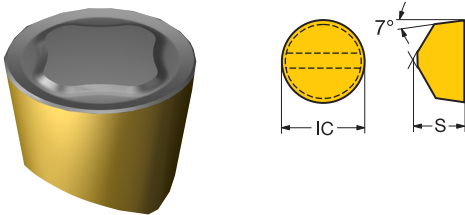
D

E



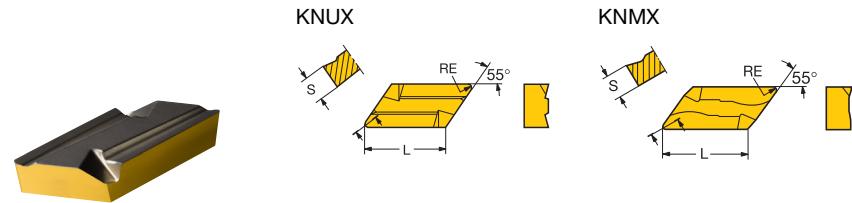
T-Max® insert for turning

R-style insert (Round)
Advanced cutting materials



		S	RE	GB	BN	ISO CODE	S	S205
Finishing	06	6.35	3.2		0.10	RCGX 06 06 00-SF	★	
	09	7.94	4.8	15°	0.10	RCGX 09 07 00-SF	★	
Medium	06	6.35	3.2		0.10	RCMX 06 06 00-SM	★	
	09	7.94	4.8	15°	0.10	RCMX 09 07 00-SM	★	
	12	7.94	6.4	15°	0.10	RCMX 12 07 00-SM	★	

T-Max® insert for turning



B

										P		K		
										4415	4425	4415	4425	
Finishing	71		LE	S	RE	W1	ISO CODE							
		16	3/8	16.0	4.76	0.50	9.5	KNMX 16 04 05 R/L-71	★	☆	☆	★		
		.630	.188	.020	.375									
		15.5	4.76	1.00	9.5		KNMX 16 04 10 R/L-71	★	☆	☆	★			
	11	.610	.188	.039	.375									
		16	3/8	16.0	4.76	0.50	9.5	KNUX 16 04 05R/L11	★	☆	☆	☆		
		.630	.188	.020	.375									
		15.5	4.76	1.00	9.5		KNUX 16 04 10R/L11	★	☆	☆	☆			
		.610	.188	.039	.375									
		16	3/8	16.0	4.76	0.50	9.5	KNUX 16 04 05R/L12	★	☆	☆	☆		
	12	.630	.188	.020	.375									
		15.5	4.76	1.00	9.5		KNUX 16 04 10R/L12	★	☆	☆	☆			
		.610	.188	.039	.375									

N = Neutral, R = Right hand, L = Left hand

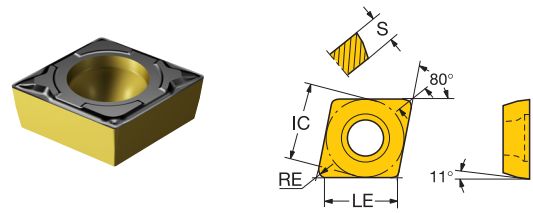
C

D

E

CoroTurn® 111 insert for turning

C-style insert (Rhombic 80°)



B

						ISO CODE	P		K		
			LE	S	RE		4415	4425	4415	4425	
Finishing	PF	06	6.0	2.38	0.40	CPMT 06 02 04-PF	★	☆	☆	★	
		09	9.3	3.97	0.40	CPMT 09 T3 04-PF	★	☆	☆	★	
			8.9	3.97	0.79	CPMT 09 T3 08-PF	★	☆	☆	★	
Medium	PM	06	6.0	2.38	0.40	CPMT 06 02 04-PM	☆	★	☆	★	
			5.6	2.38	0.79	CPMT 06 02 08-PM	☆	★	☆	★	
		09	9.3	3.97	0.40	CPMT 09 T3 04-PM	☆	★	☆	★	
			8.9	3.97	0.79	CPMT 09 T3 08-PM	☆	★	☆	★	
	UM	09	9.3	3.97	0.40	CPMT 09 T3 04-UM	☆	★	☆	★	
			8.9	3.97	0.79	CPMT 09 T3 08-UM	☆	★	☆	★	

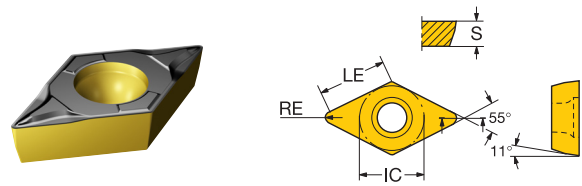
C

D

E

CoroTurn® 111 insert for turning

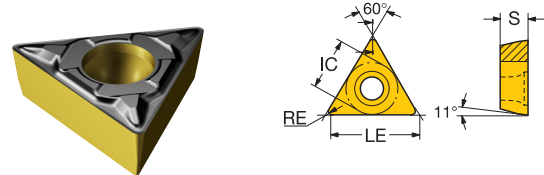
D-style insert (Rhombic 55°)



						P	K			
			LE	S	RE	ISO CODE	4415	4425	4415	4425
Finishing	PF	07	7.4	2.38	0.40	DPMT 07 02 04-PF	★	☆	☆	★
Medium	PM	07	7.4	2.38	0.40	DPMT 07 02 04-PM	☆	★	☆	★
			7.0	2.38	0.79	DPMT 07 02 08-PM	☆	★	☆	★
		11	11.2	3.97	0.40	DPMT 11 T3 04-PM	☆	★	☆	★
			10.8	3.97	0.79	DPMT 11 T3 08-PM	☆	★	☆	★

CoroTurn® 111 insert for turning

T-style insert (Triangular)



B

			LE	S	RE	ISO CODE	P		K	
							4415	4425	4415	4425
Finishing	PF	06	6.2	1.91	0.40	TPMT 06 T1 04-PF	★	☆	★	★
		09	9.5	2.38	0.40	TPMT 09 02 04-PF	★	☆	★	★
		11	10.6	3.18	0.40	TPMT 11 03 04-PF	★	☆	★	★
		16	16.1	3.97	0.40	TPMT 16 T3 04-PF	★	☆	★	★
Medium	PM	09	9.5	2.38	0.40	TPMT 09 02 04-PM	☆	★	☆	★
			9.1	2.38	0.79	TPMT 09 02 08-PM	☆	★	☆	★
		11	10.6	3.18	0.40	TPMT 11 03 04-PM	☆	★	☆	★
			10.2	3.18	0.79	TPMT 11 03 08-PM	☆	★	☆	★
		16	16.1	3.97	0.40	TPMT 16 T3 04-PM	☆	★	☆	★
			15.7	3.97	0.79	TPMT 16 T3 08-PM	☆	★	☆	★

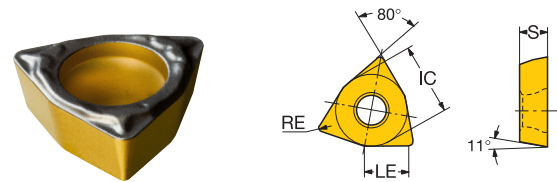
C

D

E

CoroTurn® 111 insert for turning

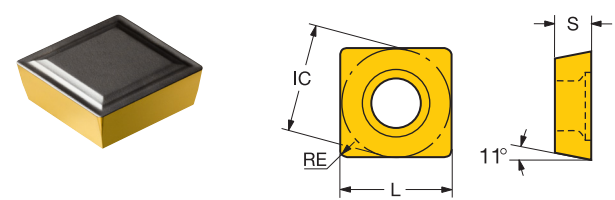
W-style insert (Trigon 80°)



			LE	S	RE	ISO CODE	P		K	
							4415	4425	4415	4425
Finishing	PF	02	2.2	1.59	0.40	WPMT 02 01 04-PF	★	★	★	★
		04	3.9	2.38	0.40	WPMT 04 02 04-PF	★		★	
Medium	PM	04	3.9	2.38	0.40	WPMT 04 02 04-PM		★		★
			3.5	2.38	0.79	WPMT 04 02 08-PM		★		★

T-Max® S insert for turning

S-style insert (Square)



B

			LE	S	RE	ISO CODE	P	K
							4425	4425
Finishing	53	09	9.1	3.18	0.40	SPMR 09 03 04	★	★
			8.7	3.18	0.79	SPMR 09 03 08	★	★
		12	12.3	3.18	0.40	SPMR 12 03 04	★	★
			11.9	3.18	0.79	SPMR 12 03 08	★	★
			11.5	3.18	1.19	SPMR 12 03 12	★	★
		09	8.7	3.18	0.79	SPMR 09 03 08-53	★	★
		12	12.3	3.18	0.40	SPMR 12 03 04-53	★	★
			11.9	3.18	0.79	SPMR 12 03 08-53	★	★

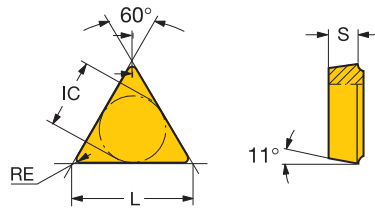
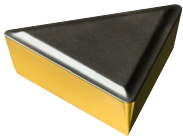
C

D

E

T-Max® S insert for turning

T-style insert (Triangular)



			LE	S	RE	ISO CODE	P	K	
							4425	4425	
Finishing	53	09	9.5	2.38	0.40	TPMR 09 02 04	★	★	
			9.1	2.38	0.79	TPMR 09 02 08	★	★	
		11	10.6	3.18	0.40	TPMR 11 03 04	★	★	
			10.2	3.18	0.79	TPMR 11 03 08	★	★	
		16	16.1	3.18	0.40	TPMR 16 03 04	★	★	
			15.7	3.18	0.79	TPMR 16 03 08	★	★	
			15.3	3.18	1.19	TPMR 16 03 12	★	★	
		22	21.2	4.76	0.79	TPMR 22 04 08	★	★	
		20.8	4.76	1.19	TPMR 22 04 12	★	★		
	53	11	10.6	3.18	0.40	TPMR 11 03 04-53	★	★	
			10.2	3.18	0.79	TPMR 11 03 08-53	★	★	
		16	16.1	3.18	0.40	TPMR 16 03 04-53	★	★	
			15.7	3.18	0.79	TPMR 16 03 08-53	★	★	

Parting and grooving

ENG

CoroCut® 1-2

Inserts	
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CoroCut® QD

Inserts	
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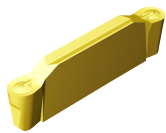
B

C

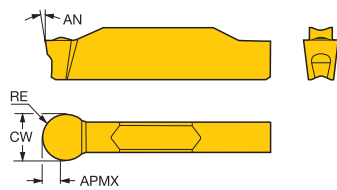
D

E

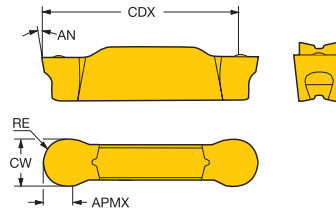
CoroCut® 1-2 insert for profiling



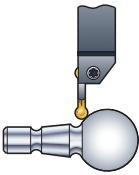
N123x1-RO



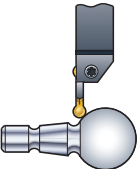
N123x2-RO



CoroCut® 1-edge

							S	Dimensions, mm, inch				
		SSC	CW	RE	APMX	Ordering code	S205	AN	CWTOLL	CWTOLU	RETOLL	RETOLU
Finishing		F	3.00	1.50	1.3	N123F1-0300-RO	★	7°	-0.020	0.020	-0.010	0.010
			.118	.059	.051				-.0008	.0008	-.0004	.0004
			3.18	1.59	1.4	N123F1-0318-RO	★	7°	-0.020	0.020	-0.010	0.010
			.125	.063	.055				-.0008	.0008	-.0004	.0004
		H	4.00	2.00	1.8	N123H1-0400-RO	★	7°	-0.020	0.020	-0.010	0.010
			.157	.079	.071				-.0008	.0008	-.0004	.0004
			4.75	2.38	2.2	N123H1-0475-RO	★	7°	-0.020	0.020	-0.010	0.010
			.187	.094	.087				-.0008	.0008	-.0004	.0004
			5.00	2.50	2.3	N123H1-0500-RO	★	7°	-0.020	0.020	-0.010	0.010
			.197	.098	.091				-.0008	.0008	-.0004	.0004
		J	6.00	3.00	2.8	N123J1-0600-RO	★	7°	-0.020	0.020	-0.010	0.010
			.236	.118	.110				-.0008	.0008	-.0004	.0004
		L	8.00	4.00	3.8	N123L1-0800-RO	★	7°	-0.020	0.020	-0.010	0.010
			.315	.157	.150				-.0008	.0008	-.0004	.0004

CoroCut® 2-edge

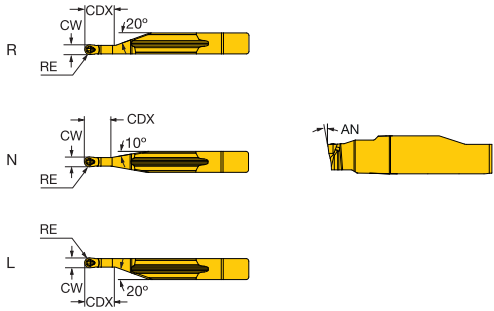
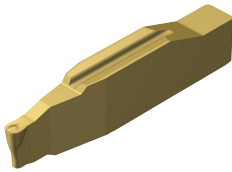
								S Dimensions, mm, inch						
Finishing		SSC	CW	RE	CDX	APMX	Ordering code	SSC	AN	CWTOLL	CWTOLU	RETOLL	RETOLU	
		E	2.00	1.00	19.2	0.8	N123E2-0200-RO	★	7°	-0.020	0.020	-0.010	0.010	
			.079	.039	.756	.031					-.0008	.0008	-.0004	.0004
			2.39	1.20	19.0	1.0	N123E2-0239-RO	★	7°	-0.020	0.020	-0.010	0.010	
			.094	.047	.748	.039					-.0008	.0008	-.0004	.0004
			F <td>3.00</td> <td>1.50</td> <td>18.7</td> <td>1.3</td> <td>N123F2-0300-RO</td> <td>★</td> <td>7°</td> <td>-0.020</td> <td>0.020</td> <td>-0.010</td> <td>0.010</td>	3.00	1.50	18.7	1.3	N123F2-0300-RO	★	7°	-0.020	0.020	-0.010	0.010
			.118	.059	.736	.051					-.0008	.0008	-.0004	.0004
			3.18	1.59	18.6	1.4	N123F2-0318-RO	★	7°	-0.020	0.020	-0.010	0.010	
			.125	.063	.732	.055					-.0008	.0008	-.0004	.0004
			H <td>3.96</td> <td>1.98</td> <td>23.3</td> <td>1.8</td> <td>N123H2-0396-RO</td> <td>★</td> <td>7°</td> <td>-0.020</td> <td>0.020</td> <td>-0.010</td> <td>0.010</td>	3.96	1.98	23.3	1.8	N123H2-0396-RO	★	7°	-0.020	0.020	-0.010	0.010
			.156	.078	.917	.071					-.0008	.0008	-.0004	.0004
			4.00	2.00	23.3	1.8	N123H2-0400-RO	★	7°	-0.020	0.020	-0.010	0.010	
			.157	.079	.917	.071					-.0008	.0008	-.0004	.0004
			4.75	2.38	22.9	2.2	N123H2-0475-RO	★	7°	-0.020	0.020	-0.010	0.010	
			.187	.094	.902	.087					-.0008	.0008	-.0004	.0004
			5.00	2.50	22.8	2.3	N123H2-0500-RO	★	7°	-0.020	0.020	-0.010	0.010	
			.197	.098	.898	.091					-.0008	.0008	-.0004	.0004
			J <td>6.00</td> <td>3.00</td> <td>22.2</td> <td>2.8</td> <td>N123J2-0600-RO</td> <td>★</td> <td>7°</td> <td>-0.020</td> <td>0.020</td> <td>-0.010</td> <td>0.010</td>	6.00	3.00	22.2	2.8	N123J2-0600-RO	★	7°	-0.020	0.020	-0.010	0.010
			.236	.118	.874	.110					-.0008	.0008	-.0004	.0004
			6.35	3.18	22.0	3.0	N123J2-0635-RO	★	7°	-0.020	0.020	-0.010	0.010	
			.250	.125	.866	.118					-.0008	.0008	-.0004	.0004
			L <td>8.00</td> <td>4.00</td> <td>27.3</td> <td>3.8</td> <td>N123L2-0800-RO</td> <td>★</td> <td>7°</td> <td>-0.020</td> <td>0.020</td> <td>-0.010</td> <td>0.010</td>	8.00	4.00	27.3	3.8	N123L2-0800-RO	★	7°	-0.020	0.020	-0.010	0.010
	.315	.157	1.075	.150					-.0008	.0008	-.0004	.0004		

SSC = To correspond with SSC on holder.

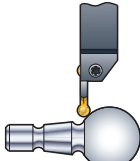
N = Neutral



CoroCut® 1-2 insert for profiling



CoroCut® 1-edge

								S	Dimensions, mm, inch				
		SSC	CW	RE	CDX	APMX	Ordering code	S205	AN	CWTOLL	CWTOLU	RETOLL	RETOLU
Finishing		HL	1.50	0.75	4.0	0.5	L123H1-0150-RO	★	7°	-0.020	0.020	-0.010	0.010
			.059	.030	.157	.020				-.0008	.0008	-.0004	.0004
			2.00	1.00	5.0	0.8	L123H1-0200-RO	★	7°	-0.020	0.020	-0.010	0.010
		HN	.079	.039	.197	.031				-.0008	.0008	-.0004	.0004
			1.50	0.75	4.0	0.5	N123H1-0150-RO	★	7°	-0.020	0.020	-0.010	0.010
			.059	.030	.157	.020				-.0008	.0008	-.0004	.0004
			2.00	1.00	5.0	0.8	N123H1-0200-RO	★	7°	-0.020	0.020	-0.010	0.010
		HR	.079	.039	.197	.031				-.0008	.0008	-.0004	.0004
			1.50	0.75	4.0	0.5	R123H1-0150-RO	★	7°	-0.020	0.020	-0.010	0.010
			.059	.030	.157	.020				-.0008	.0008	-.0004	.0004
			2.00	1.00	5.0	0.8	R123H1-0200-RO	★	7°	-0.020	0.020	-0.010	0.010
			.079	.039	.197	.031				-.0008	.0008	-.0004	.0004

SSC = To correspond with SSC on holder.

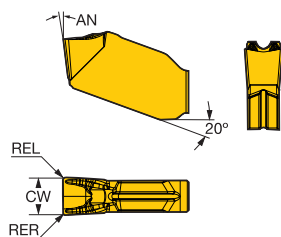
N = Neutral, R = Right hand, L = Left hand



CoroCut® QD insert for parting



TECHNOLOGY
Wiper



		SSC	CW	REL	RER	Ordering code	P	K	Dimensions, mm, inch				
Finishing		G	3.00	0.15	0.15	QD-NG-0300-0001-CF	☆	☆	AN	CWTOLL	CWTOLU	RETOLL	RETOLU
			.118	.006	.006				7°	-0.050	0.050	-0.050	0.050
										-0.020	.0020	-0.020	.0020
Medium		G	3.00	0.30	0.30	QD-NG-0300-0003-CL	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.118	.012	.012					-0.020	.0020	-0.020	.0020
		H	4.00	0.30	0.30	QD-NH-0400-0003-CL	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.157	.012	.012					-0.020	.0020	-0.020	.0020
		J	5.00	0.40	0.40	QD-NJ-0500-0004-CL	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.197	.016	.016					-0.020	.0020	-0.020	.0020
		L	8.00	0.40	0.40	QD-NL-0800-0004-CL	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.315	.016	.016					-0.020	.0020	-0.020	.0020

SSC = To correspond with SSC on holder.

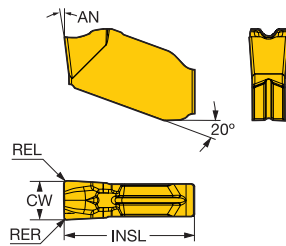
N = Neutral



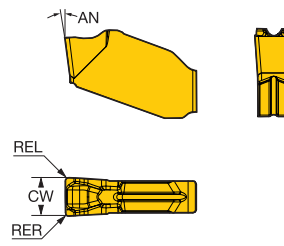
CoroCut® QD insert for parting



QD-N...-CM



QD-N...-CR



								Dimensions, mm, inch					
						P	K						
Medium		SSC	CW	REL	RER	Ordering code	4425	4425	AN	CWTOLL	CWTOLU	RETOLL	RETOLU
		E	2.00	0.20	0.20	QD-NE-0200-0002-CM	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.079	.008	.008					-0.0020	.0020	-0.0020	.0020
		F	2.50	0.20	0.20	QD-NF-0250-0002-CM	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.098	.008	.008					-0.0020	.0020	-0.0020	.0020
		G	3.00	0.20	0.20	QD-NG-0300-0002-CM	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.118	.008	.008					-0.0020	.0020	-0.0020	.0020
			3.00	0.40	0.40	QD-NG-0300-0004-CM	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.118	.016	.016					-0.0020	.0020	-0.0020	.0020
			3.18	0.20	0.20	QD-NG-0318-0002-CM	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.125	.008	.008					-0.0020	.0020	-0.0020	.0020
			H	4.00	0.20	0.20	QD-NH-0400-0002-CM	☆	☆	7°	-0.050	0.050	-0.050
	.157	.008	.008					-0.0020	.0020	-0.0020	.0020		
		4.00	0.40	0.40	QD-NH-0400-0004-CM	☆	☆	7°	-0.050	0.050	-0.050	0.050	
		.157	.016	.016					-0.0020	.0020	-0.0020	.0020	
	J	5.00	0.20	0.20	QD-NJ-0500-0002-CM	☆	☆	7°	-0.050	0.050	-0.050	0.050	
		.197	.008	.008					-0.0020	.0020	-0.0020	.0020	
	K	6.00	0.30	0.30	QD-NK-0600-0003-CM	☆	☆	7°	-0.050	0.050	-0.050	0.050	
		.236	.012	.012					-0.0020	.0020	-0.0020	.0020	
Roughing		G	3.00	0.30	0.30	QD-NG-0300-0003-CR	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.118	.012	.012					-0.0020	.0020	-0.0020	.0020
		H	4.00	0.30	0.30	QD-NH-0400-0003-CR	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.157	.012	.012					-0.0020	.0020	-0.0020	.0020
		J	5.00	0.40	0.40	QD-NJ-0500-0004-CR	☆	☆	7°	-0.050	0.050	-0.050	0.050
			.197	.016	.016					-0.0020	.0020	-0.0020	.0020
		K	6.00	0.40	0.40	QD-NK-0600-0004-CR	☆	☆	7°	-0.050	0.050	-0.050	0.050
		.236	.016	.016					-0.0020	.0020	-0.0020	.0020	

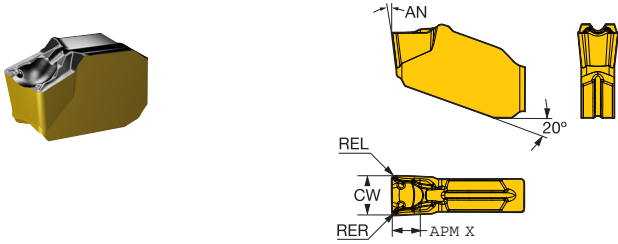
SSC = To correspond with SSC on holder.

N = Neutral

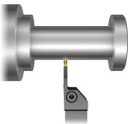
A

PARTING AND GROOVINGInserts

CoroCut® QD insert for turning



B

							P	K	Dimensions, mm, inch		
		SSC	CW	REL	RER	APMX	Ordering code		4425	4425	AN
Finishing		L	8.00	0.80	0.80	4.0	QD-NL-0800-0008-TF		☆	☆	7°
			.315	.031	.031	.157					

SSC = To correspond with SSC on holder. N = Neutral

C

Tolerances:					
	CWTOLL	CWTOLU	RETOLL	RETOLU	
QD-N..-TF	-0.050	0.050	-0.05	0.05	

D

E

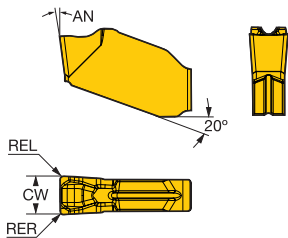
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A 52

ENG

CoroCut® QD insert for grooving



						P	K	Dimensions, mm, inch				
		SSC	CW	REL	RER	Ordering code		AN	CWTOLL	CWTOLU	RETOLL	RETOLU
Medium		K	6.00	0.40	0.40	QD-NK-0600-0004-GM		7°	-0.050	0.050	-0.050	0.050
			.236	.016	.016				-.0020	.0020	-.0020	.0020
		L	8.00	0.80	0.80	QD-NL-0800-0008-GM		7°	-0.050	0.050	-0.050	0.050
			.315	.031	.031				-.0020	.0020	-.0020	.0020

SSC = To correspond with SSC on holder. N = Neutral

Milling

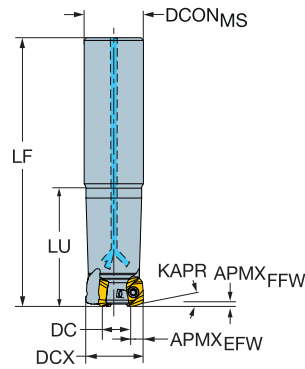
CoroMill® MH20

CoroMill® MH20 high-feed milling cutter	55-56
CoroMill® MH20 insert for milling	57

CoroMill® MH20 high-feed milling cutter

Cylindrical shank - Internal coolant supply

KAPR 15°



Metric version

										Dimensions, mm											
DC	SSC	CZC _{MS}	APMX _{FFW}	RMPX	AZ	CNSC			Ordering code	DCON _{MS}	DCX	BD	LF	LU			RPMX	CICT	MIID		
8.2	06	16	0.80	9.50°	0.7	1	2		MH20-R016A16-06L	16.0	16.0	16.0	100.0	40.0	0.9	0.13	26200	2	MH20-060320..		
10.4	08	20	1.20	9.60°	0.9	1	2		MH20-R020A20-08L	20.0	20.0		120.0	40.0	1.4	0.25	23400	2	MH20-080425..		
12.2	06	20	0.80	5.80°	0.7	1	2		MH20-R020A20-06L	20.0	20.0	20.0	180.0	80.0	0.9	0.38	16900	2	MH20-060320..		
	06	20	0.80	5.80°	0.7	1	3		MH20-R020A20-06M	20.0	20.0		120.0	40.0	0.9	0.25	23400	3	MH20-060320..		
15.4	08	25	1.20	5.70°	0.9	1	2		MH20-R025A25-08L	25.0	25.0		200.0	100.0	2.0	0.66	18900	2	MH20-080425..		
	08	25	1.20	5.70°	0.9	1	3		MH20-R025A25-08M	25.0	25.0		150.0	50.0	2.0	0.50	20900	3	MH20-080425..		
17.2	06	25	0.80	3.70°	0.7	1	3		MH20-R025A25-06M	25.0	25.0		200.0	80.0	0.9	0.68	18900	3	MH20-060320..		
	06	25	0.80	3.70°	0.7	1	4		MH20-R025A25-06H	25.0	25.0		150.0	50.0	0.9	0.51	20900	4	MH20-060320..		
22.4	08	32	1.20	3.60°	0.9	1	3		MH20-R032A32-08L	32.0	32.0		210.0	100.0	2.0	1.15	18500	3	MH20-080425..		
	08	32	1.20	3.60°	0.9	1	4		MH20-R032A32-08M	32.0	32.0		150.0	60.0	2.0	0.82	18500	4	MH20-080425..		

Inch version

									Dimensions, inch												
DC	SSC	CZC _{MS}	APMX _{FFW}	RMPX	AZ	CNSC		Ordering code	DCON _{MS}	DCX	LF	LU			RPMX	CICT	MIID				
.322	06	5/8	.031	10°	.028	1	2	MH20-AR016O16-06L	.625	.625	3.937	1.575	.6	0.28	26300	2	MH20-060320..				
.418	08	3/4	.047	10°	.035	1	2	MH20-AR019O19-08L	.750	.750	4.724	1.575	1.0	0.49	24000	2	MH20-080425..				
.443	06	3/4	.031	6°	.028	1	2	MH20-AR019O19-06L	.750	.750	7.087	3.150	.6	0.75	15500	2	MH20-060320..				
	06	3/4	.031	6°	.028	1	3	MH20-AR019O19-06M	.750	.750	4.724	1.575	.6	0.50	24000	3	MH20-060320..				
.622	08	1	.047	5°	.035	1	2	MH20-AR025O25-08L	1.000	1.000	7.874	3.937	1.4	1.50	19500	2	MH20-080425..				
	08	1	.047	5°	.035	1	3	MH20-AR025O25-08M	1.000	1.000	5.906	1.969	1.4	1.14	20700	3	MH20-080425..				
.693	06	1	.031	3°	.028	1	3	MH20-AR025O25-06M	1.000	1.000	7.874	3.937	.6	1.53	19500	3	MH20-060320..				
	06	1	.031	3°	.028	1	4	MH20-AR025O25-06H	1.000	1.000	5.906	1.969	.6	1.17	20700	4	MH20-060320..				
.872	08	1 1/4	.047	3°	.035	1	3	MH20-AR032O32-08L	1.250	1.250	8.268	3.937	1.4	2.49	18600	3	MH20-080425..				
	08	1 1/4	.047	3°	.035	1	4	MH20-AR032O32-08M	1.250	1.250	5.906	2.362	1.4	1.77	18600	4	MH20-080425..				
1.122	08	1 1/4	.047	2°	.035	2	4	MH20-AR038O32-08M	1.250	1.500	9.843	4.724	1.4	3.26	15800	4	MH20-080425..				
	08	1 1/4	.047	2°	.035	1	5	MH20-AR038O32-08H	1.250	1.500	8.268	3.150	1.4	2.72	16900	5	MH20-080425..				

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



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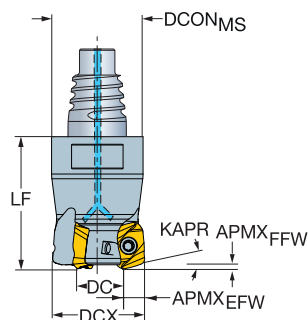


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CoroMill® MH20 high-feed milling cutter

Coromant EH - Internal coolant supply

KAPR 15°



Metric version

									Dimensions, mm								
DC	SSC	CZC _{MS}	APMX _{FFW}	RMPX	AZ	CNSC		Ordering code	DCON _{MS}	DCX	LF			RPMX	CICT	MIID	
8.2	06	E16	0.80	9.50°	0.7	1	2	MH20-R016EH16-06L	15.5	16.0	27.0	0.9	0.08	26200	2	MH20-060320..	
10.4	08	E20	1.20	5.80°	0.9	1	2	MH20-R020EH20-08L	19.3	20.0	30.0	1.4	0.14	23400	2	MH20-080425..	
12.2	06	E20	0.80	5.80°	0.7	1	3	MH20-R020EH20-06M	19.3	20.0	30.0	0.9	0.15	23400	3	MH20-060320..	
15.4	08	E25	1.20	5.70°	0.9	1	2	MH20-R025EH25-08L	24.2	25.0	35.0	2.0	0.27	20900	2	MH20-080425..	
	08	E25	1.20	5.70°	0.9	1	3	MH20-R025EH25-08M	24.2	25.0	35.0	2.0	0.27	20900	3	MH20-080425..	
17.2	06	E25	0.80	3.70°	0.7	1	3	MH20-R025EH25-06M	24.2	25.0	35.0	0.9	0.28	20900	3	MH20-060320..	
	06	E25	0.80	3.70°	0.7	1	4	MH20-R025EH25-06H	24.2	25.0	35.0	0.9	0.28	20900	4	MH20-060320..	
20.0	06	E20	0.80	5.80°	0.7	1	2	MH20-R020EH20-06L	19.3	20.0	30.0	0.9	0.15	23400	2	MH20-060320..	
25.4	08	E25	1.20	3.60°	0.9	1	3	MH20-R032EH25-08L	24.2	32.0	35.0	2.0	0.34	18500	3	MH20-080425..	
	08	E25	1.20	3.60°	0.9	1	4	MH20-R032EH25-08M	24.2	32.0	35.0	2.0	0.33	18500	4	MH20-080425..	

Inch version

										Dimensions, inch							
DC	SSC	CZC _{MS}	APMX _{FFW}	RMPX	AZ	CNSC			Ordering code	DCON _{MS}	DCX	LF			RPMX	CICT	MIID
.318	06	E16	.047	10°	.035	1		2	MH20-AR016EH16-06L	.610	.625	1.063	.6	0.07	26300	2	MH20-060320..
.443	06	E20	.031	6°	.028	1	2		MH20-AR019EH20-06L	.728	.750	1.181	.6	0.31	24000	2	MH20-060320..
	06	E20	.031	6°	.028	1	3		MH20-AR019EH20-06M	.728	.750	1.181	.6	0.31	24000	3	MH20-060320..
.622	08	E25	.047	5°	.035	1	2		MH20-AR025EH25-08L	.965	1.000	1.378	1.4	0.61	20700	2	MH20-080425..
	08	E25	.047	5°	.035	1	3		MH20-AR025EH25-08M	.965	1.000	1.378	1.4	0.59	20700	3	MH20-080425..
.693	06	E25	.031	3°	.028	1		3	MH20-AR025EH25-06M	.965	1.000	1.378	.6	0.62	20700	3	MH20-060320..
	06	E25	.031	3°	.028	1	4		MH20-AR025EH25-06H	.965	1.000	1.378	.6	0.62	20700	4	MH20-060320..
.872	08	E25	.031	3°	.035	1		3	MH20-AR032EH25-08L	.965	1.250	1.378	1.4	0.73	18600	3	MH20-080425..
	08	E25	.047	3°	.035	1	4		MH20-AR032EH25-08M	.965	1.250	1.378	1.4	0.72	18600	4	MH20-080425..

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



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CoroMill® MH20 insert for milling

KRINS 15°



B

																	Dimensions, mm, inch						
		SSC	CEMR	RE	Ordering code	1130	4340	1040	1130	2040	4340	S30T	S40T	1130	2040	S30T	S40T	1010	1130				
Medium	L30	06	15.0	1.60	MH20-060320E-L30			★		☆		☆	☆			★	☆			6.4	4.5	3.42	
			.591	.063																	.252	.177	.135
	M20	06	15.0	1.60	MH20-060320M-M20	☆	★		☆		☆			☆				★	☆	6.4	4.5	3.42	
			.591	.063																	.252	.177	.135
	M50	06	15.0	1.60	MH20-060320M-M50	☆	★		☆		☆			☆					☆	6.4	4.5	3.42	
			.591	.063																	.252	.177	.135
	L30	08	25.0	2.10	MH20-080425E-L30			★		☆		☆	☆			☆	★	☆			8.5	5.9	4.03
			.984	.083																	.335	.232	.159
	M20	08	25.0	2.10	MH20-080425M-M20	☆	★		☆		☆			☆					★	☆	8.5	5.9	4.03
			.984	.083																	.335	.232	.159
	M50	08	25.0	2.10	MH20-080425M-M50	☆	★		☆		☆			☆						☆	8.5	5.9	4.03
			.984	.083																	.335	.232	.159

C

D

E



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Drilling

Solid Micro drills

CoroDrill® 462	59-70
CoroDrill® 862	71-79

For complete assortment, see www.sandvik.coromant.com

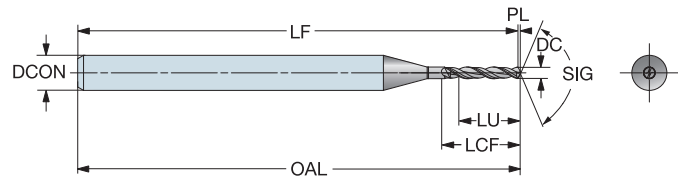
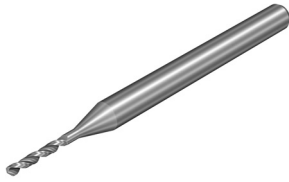
CoroDrill® 462-XM solid carbide micro drill

For multi-materials

Versatile,

Uncoated 6xD

External coolant supply

TCHA JS7
SIG 130°

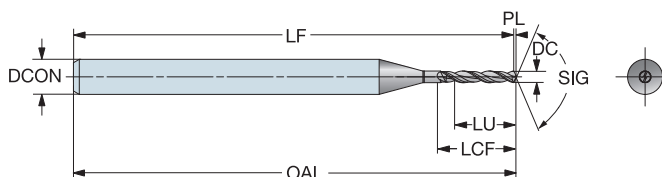
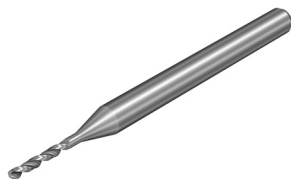
							Dimensions, mm, inch									
							P	M	K	N	S	O				
							H10F	H10F	H10F	H10F	H10F	H10F				
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code							DCON _{MS}	DCON _{MS} *	OAL	OAL*
0.03	.001	0.3	.010	8	3	462.1-0030-002A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.04	.002	0.3	.012	7	3	462.1-0040-003A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.05	.002	0.4	.014	7	3	462.1-0050-003A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.06	.002	0.4	.016	6	3	462.1-0060-004A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.07	.003	0.5	.018	6	3	462.1-0070-004A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.08	.003	0.5	.020	6	3	462.1-0080-005A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.09	.004	0.5	.020	5	3	462.1-0090-005A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.10	.004	0.5	.020	5	3	462.1-0100-005A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.11	.004	0.5	.020	4	3	462.1-0110-005A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.12	.005	0.5	.020	4	3	462.1-0120-005A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.13	.005	0.8	.031	6	3	462.1-0130-008A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.14	.006	0.8	.031	5	3	462.1-0140-008A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.15	.006	0.8	.031	5	3	462.1-0150-008A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.16	.006	1.1	.043	6	3	462.1-0160-011A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.17	.007	1.1	.043	6	3	462.1-0170-011A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.18	.007	1.1	.043	6	3	462.1-0180-011A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.19	.007	1.1	.043	5	3	462.1-0190-011A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.20	.008	1.5	.059	7	3	462.1-0200-015A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.21	.008	1.5	.059	7	3	462.1-0210-015A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.22	.009	1.5	.059	6	3	462.1-0220-015A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.23	.009	1.5	.059	6	3	462.1-0230-015A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.24	.009	1.5	.059	6	3	462.1-0240-015A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.25	.010	1.9	.075	7	3	462.1-0250-019A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.26	.010	1.9	.075	7	3	462.1-0260-019A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.27	.011	1.9	.075	7	3	462.1-0270-019A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.28	.011	1.9	.075	6	3	462.1-0280-019A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.29	.011	1.9	.075	6	3	462.1-0290-019A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.30	.012	1.8	.071	6	3	462.1-0300-018A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.31	.012	1.8	.071	5	3	462.1-0310-018A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.32	.013	1.8	.071	5	3	462.1-0320-018A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.33	.013	1.8	.071	5	3	462.1-0330-018A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.34	.013	1.8	.071	5	3	462.1-0340-018A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.35	.014	2.2	.087	6	3	462.1-0350-022A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.36	.014	2.2	.087	6	3	462.1-0360-022A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.37	.015	2.2	.087	5	3	462.1-0370-022A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.38	.015	2.2	.087	5	3	462.1-0380-022A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.39	.015	2.7	.106	6	3	462.1-0390-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.40	.016	2.7	.106	6	3	462.1-0400-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.41	.016	2.7	.106	6	3	462.1-0410-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.42	.017	2.7	.106	6	3	462.1-0420-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.43	.017	2.7	.106	6	3	462.1-0430-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.44	.017	2.7	.106	6	3	462.1-0440-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.45	.018	2.7	.106	6	3	462.1-0450-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.46	.018	2.7	.106	5	3	462.1-0460-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.47	.019	2.7	.106	5	3	462.1-0470-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.48	.019	2.7	.106	5	3	462.1-0480-027A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.49	.019	3.2	.126	6	3	462.1-0490-032A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.50	.020	3.2	.126	6	3	462.1-0500-032A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.51	.020	3.2	.126	6	3	462.1-0510-032A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.52	.020	3.2	.126	6	3	462.1-0520-032A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.53	.021	3.2	.126	6	3	462.1-0530-032A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
0.54	.021	3.6	.142	6	3	462.1-0540-036A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496



CoroDrill® 462-XM solid carbide micro drill

For multi-materials
Versatile,
Uncoated 6xD
External coolant supply

TCHA JS7
SIG 130°

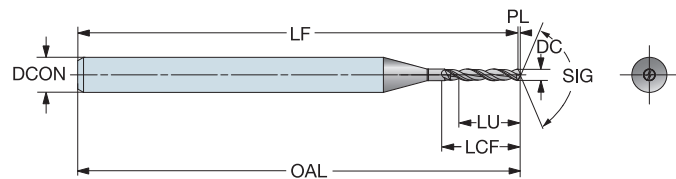
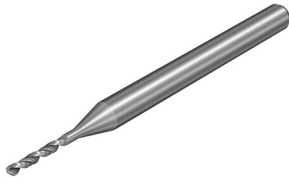


										P M K N S O										Dimensions, mm, inch										
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code					H10F	H10F	H10F	H10F	H10F						DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
0.55	.022	3.6	.142	6	3	462.1-0550-036A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.56	.022	3.6	.142	6	3	462.1-0560-036A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.57	.022	3.6	.142	6	3	462.1-0570-036A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.58	.023	3.6	.142	6	3	462.1-0580-036A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.59	.023	3.6	.142	6	3	462.1-0590-036A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.60	.024	3.6	.142	6	3	462.1-0600-036A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.006
0.61	.024	3.9	.154	6	3	462.1-0610-039A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.491	5	.197	0.1	.006
0.62	.024	3.9	.154	6	3	462.1-0620-039A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.491	5	.197	0.1	.006
0.63	.025	3.9	.154	6	3	462.1-0630-039A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.490	5	.197	0.1	.006
0.64	.025	3.9	.154	6	3	462.1-0640-039A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.490	5	.197	0.1	.006
0.65	.026	3.9	.154	6	3	462.1-0650-039A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.490	5	.197	0.2	.006
0.66	.026	3.9	.154	5	3	462.1-0660-039A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.9	1.490	5	.197	0.2	.006
0.67	.026	3.9	.154	5	3	462.1-0670-039A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.490	5	.197	0.2	.006
0.68	.027	4.5	.177	6	3	462.1-0680-045A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.490	5	.220	0.2	.006
0.69	.027	4.5	.177	6	3	462.1-0690-045A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.490	5	.220	0.2	.006
0.70	.028	4.5	.177	6	3	462.1-0700-045A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.490	5	.220	0.2	.006
0.71	.028	4.5	.177	6	3	462.1-0710-045A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.72	.028	4.5	.177	6	3	462.1-0720-045A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.73	.029	4.5	.177	6	3	462.1-0730-045A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.74	.029	4.5	.177	6	3	462.1-0740-045A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.75	.030	4.5	.177	6	3	462.1-0750-045A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.76	.030	5.0	.197	6	3	462.1-0760-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.77	.030	5.0	.197	6	3	462.1-0770-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.78	.031	5.0	.197	6	3	462.1-0780-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.79	.031	5.0	.197	6	3	462.1-0790-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.80	.031	5.0	.197	6	3	462.1-0800-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.81	.032	5.0	.197	6	3	462.1-0810-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.82	.032	5.0	.197	6	3	462.1-0820-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.008
0.83	.033	5.0	.197	6	3	462.1-0830-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.008
0.84	.033	5.0	.197	5	3	462.1-0840-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.488	6	.248	0.2	.008
0.85	.033	5.0	.197	5	3	462.1-0850-050A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.488	6	.248	0.2	.008
0.86	.034	5.7	.224	6	3	462.1-0860-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.87	.034	5.7	.224	6	3	462.1-0870-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.88	.035	5.7	.224	6	3	462.1-0880-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.89	.035	5.7	.224	6	3	462.1-0890-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.90	.035	5.7	.224	6	3	462.1-0900-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.91	.036	5.7	.224	6	3	462.1-0910-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.92	.036	5.7	.224	6	3	462.1-0920-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.93	.037	5.7	.224	6	3	462.1-0930-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.487	7	.280	0.2	.009
0.94	.037	5.7	.224	6	3	462.1-0940-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.487	7	.280	0.2	.009
0.95	.037	5.7	.224	6	3	462.1-0950-057A0-XM					☆	☆	☆	☆	☆						3.0	.118	38	1.496	37.8	1.487	7	.280	0.2	.009
0.96	.038	6.5	.256	6	3	462.1																								

CoroDrill® 462-XM solid carbide micro drill

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Versatile,
Uncoated 6xD
External coolant supply

TCHA JS7
SIG 130°

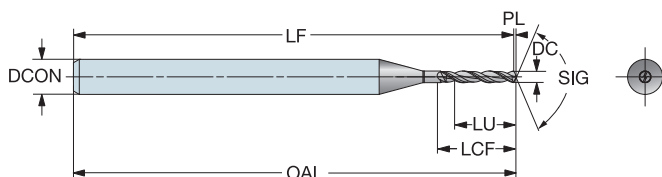
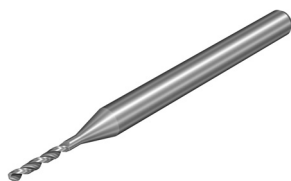


							Dimensions, mm, inch									
							P	M	K	N	S	O				
							H10F	H10F	H10F	H10F	H10F	H10F				
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code							DCON _{MS}	DCON _{MS} *	OAL	OAL*
1.06	.042	7.3	.287	6	3	462.1-1060-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.07	.042	7.3	.287	6	3	462.1-1070-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.08	.043	7.3	.287	6	3	462.1-1080-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.09	.043	7.3	.287	6	3	462.1-1090-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.10	.043	7.3	.287	6	3	462.1-1100-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.11	.044	7.3	.287	6	3	462.1-1110-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.12	.044	7.3	.287	6	3	462.1-1120-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.13	.044	7.3	.287	6	3	462.1-1130-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.14	.045	7.3	.287	6	3	462.1-1140-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.15	.045	7.3	.287	6	3	462.1-1150-073A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.16	.046	8.2	.323	7	3	462.1-1160-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.17	.046	8.2	.323	7	3	462.1-1170-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.18	.046	8.2	.323	6	3	462.1-1180-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.19	.047	8.2	.323	6	3	462.1-1190-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.20	.047	8.2	.323	6	3	462.1-1200-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.21	.048	8.2	.323	6	3	462.1-1210-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.22	.048	8.2	.323	6	3	462.1-1220-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.23	.048	8.2	.323	6	3	462.1-1230-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.24	.049	8.2	.323	6	3	462.1-1240-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.25	.049	8.2	.323	6	3	462.1-1250-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.26	.050	8.2	.323	6	3	462.1-1260-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.27	.050	8.2	.323	6	3	462.1-1270-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.28	.050	8.2	.323	6	3	462.1-1280-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.29	.051	8.2	.323	6	3	462.1-1290-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.30	.051	8.2	.323	6	3	462.1-1300-082A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.31	.052	9.2	.362	7	3	462.1-1310-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.32	.052	9.2	.362	6	3	462.1-1320-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.33	.052	9.2	.362	6	3	462.1-1330-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.34	.053	9.2	.362	6	3	462.1-1340-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.35	.053	9.2	.362	6	3	462.1-1350-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.36	.054	9.2	.362	6	3	462.1-1360-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.37	.054	9.2	.362	6	3	462.1-1370-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.38	.054	9.2	.362	6	3	462.1-1380-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.39	.055	9.2	.362	6	3	462.1-1390-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.40	.055	9.2	.362	6	3	462.1-1400-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.41	.056	9.2	.362	6	3	462.1-1410-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.42	.056	9.2	.362	6	3	462.1-1420-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.43	.056	9.2	.362	6	3	462.1-1430-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.44	.057	9.2	.362	6	3	462.1-1440-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.45	.057	9.2	.362	6	3	462.1-1450-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.46	.057	9.2	.362	6	3	462.1-1460-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.47	.058	9.2	.362	6	3	462.1-1470-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.48	.058	9.2	.362	6	3	462.1-1480-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.49	.059	9.2	.362	6	3	462.1-1490-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.50	.059	9.2	.362	6	3	462.1-1500-092A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.51	.059	11.2	.441	7	3	462.1-1510-112A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.52	.060	11.2	.441	7	3	462.1-1520-112A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.53	.060	11.2	.441	7	3	462.1-1530-112A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.54	.061	11.2	.441	7	3	462.1-1540-112A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.55	.061	11.2	.441	7	3	462.1-1550-112A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496
1.56	.061	11.2	.441	7	3	462.1-1560-112A0-XM	☆	☆	☆	☆	☆	☆	3.0	.118	38	1.496

CoroDrill® 462-XM solid carbide micro drill

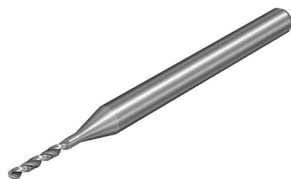
For multi-materials
Versatile,
Uncoated 6xD
External coolant supply

TCHA JS7
SIG 130°



							P	M	K	N	S	O	Dimensions, mm, inch												
DC	DC"	LU	LU"	ULDR	CZC _{MS}	Ordering code	H10F	H10F	H10F	H10F	H10F	H10F	DCON _{MS}	DCON _{MS} "	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"			
1.57	.062	11.2	.441	7	3	462.1-1570-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.014			
1.58	.062	11.2	.441	7	3	462.1-1580-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.015			
1.59	.063	11.2	.441	7	3	462.1-1590-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.015			
1.60	.063	11.2	.441	7	3	462.1-1600-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.015			
1.61	.063	11.2	.441	6	3	462.1-1610-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015			
1.62	.064	11.2	.441	6	3	462.1-1620-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015			
1.63	.064	11.2	.441	6	3	462.1-1630-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015			
1.64	.065	11.2	.441	6	3	462.1-1640-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015			
1.65	.065	11.2	.441	6	3	462.1-1650-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015			
1.66	.065	11.2	.441	6	3	462.1-1660-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015			
1.67	.066	11.2	.441	6	3	462.1-1670-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015			
1.68	.066	11.2	.441	6	3	462.1-1680-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015			
1.69	.067	11.2	.441	6	3	462.1-1690-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.016			
1.70	.067	11.2	.441	6	3	462.1-1700-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.71	.067	11.2	.441	6	3	462.1-1710-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.72	.068	11.2	.441	6	3	462.1-1720-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.73	.068	11.2	.441	6	3	462.1-1730-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.74	.069	11.2	.441	6	3	462.1-1740-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.75	.069	11.2	.441	6	3	462.1-1750-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.76	.069	11.2	.441	6	3	462.1-1760-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.77	.070	11.2	.441	6	3	462.1-1770-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.78	.070	11.2	.441	6	3	462.1-1780-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.79	.070	11.2	.441	6	3	462.1-1790-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016			
1.80	.071	11.2	.441	6	3	462.1-1800-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.017			
1.81	.071	11.2	.441	6	3	462.1-1810-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.017			
1.82	.072	11.2	.441	6	3	462.1-1820-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.017			
1.83	.072	11.2	.441	6	3	462.1-1830-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017			
1.84	.072	11.2	.441	6	3	462.1-1840-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017			
1.85	.073	11.2	.441	6	3	462.1-1850-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017			
1.86	.073	11.2	.441	6	3	462.1-1860-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017			
1.87	.074	11.2	.441	5	3	462.1-1870-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017			
1.88	.074	11.2	.441	5	3	462.1-1880-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017			
1.89	.074	11.2	.441	5	3	462.1-1890-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017			
1.90	.075	11.2	.441	5	3	462.1-1900-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017			
1.91	.075	11.2	.441	5	3	462.1-1910-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.4	.018			
1.92	.076	11.2	.441	5	3	462.1-1920-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.4	.018			
1.93	.076	11.2	.441	5	3	462.1-1930-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.4	.018			
1.94	.076	11.2	.441	5	3	462.1-1940-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.5	.018			
1.95	.077	11.2	.441	5	3	462.1-1950-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.5	.018			
1.96	.077	11.2	.441	5	3	462.1-1960-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018			
1.97	.078	11.2	.441	5	3	462.1-1970-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018			
1.98	.078	11.2	.441	5	3	462.1-1980-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018			
1.99	.078	11.2	.441	5	3	462.1-1990-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018			
2.00	.079	11.2	.441	5	3	462.1-2000-112A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018			
2.01	.079	12.5	.492	6	3	462.1-2010-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.478	14	.551	0.5	.018			
2.02	.080	12.5	.492	6	3	462.1-2020-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.478	14	.551	0.5	.019			
2.03	.080	12.5	.492	6	3	462.1-2030-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.478	14	.551	0.5	.019			
2.04	.080	12.5	.492	6	3	462.1-2040-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019			
2.05	.081	12.5	.492	6	3	462.1-2050-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019			
2.06	.081	12.5	.492	6	3	462.1-2060-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019			
2.07	.081	12.5	.492	6	3	462.1-2070-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019			

ENG



							P	M	K	N	S	O	Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	호칭	호칭	호칭	호칭	호칭	호칭	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
2.08	.082	12.5	.492	6	3	462.1-2080-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.09	.082	12.5	.492	5	3	462.1-2090-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.10	.083	12.5	.492	5	3	462.1-2100-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.11	.083	12.5	.492	5	3	462.1-2110-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.12	.083	12.5	.492	5	3	462.1-2120-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.13	.084	12.5	.492	5	3	462.1-2130-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.14	.084	12.5	.492	5	3	462.1-2140-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.15	.085	12.5	.492	5	3	462.1-2150-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.16	.085	12.5	.492	5	3	462.1-2160-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.17	.085	12.5	.492	5	3	462.1-2170-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.18	.086	12.5	.492	5	3	462.1-2180-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.19	.086	12.5	.492	5	3	462.1-2190-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.20	.087	12.5	.492	5	3	462.1-2200-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.21	.087	12.5	.492	5	3	462.1-2210-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.22	.087	12.5	.492	5	3	462.1-2220-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.23	.088	12.5	.492	5	3	462.1-2230-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.24	.088	12.5	.492	5	3	462.1-2240-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.021
2.25	.089	12.5	.492	5	3	462.1-2250-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.021
2.26	.089	12.5	.492	5	3	462.1-2260-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.475	14	.551	0.5	.021
2.27	.089	12.5	.492	5	3	462.1-2270-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.475	14	.551	0.5	.021
2.28	.090	12.5	.492	5	3	462.1-2280-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.475	14	.551	0.5	.021
2.29	.090	12.5	.492	5	3	462.1-2290-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.475	14	.551	0.5	.021
2.30	.091	12.5	.492	5	3	462.1-2300-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.475	14	.551	0.5	.021
2.31	.091	12.5	.492	5	3	462.1-2310-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.475	14	.551	0.5	.021
2.32	.091	12.5	.492	5	3	462.1-2320-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.475	14	.551	0.5	.021
2.33	.092	12.5	.492	5	3	462.1-2330-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.475	14	.551	0.5	.021
2.34	.092	12.5	.492	5	3	462.1-2340-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.474	14	.551	0.5	.021
2.35	.093	12.5	.492	5	3	462.1-2350-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.474	14	.551	0.5	.022
2.36	.093	12.5	.492	5	3	462.1-2360-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.474	14	.551	0.6	.022
2.37	.093	12.5	.492	5	3	462.1-2370-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.474	14	.551	0.6	.022
2.38	.094	12.5	.492	5	3	462.1-2380-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.5	1.474	14	.551	0.6	.022
2.39	.094	12.5	.492	5	3	462.1-2390-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.474	14	.551	0.6	.022
2.40	.094	12.5	.492	5	3	462.1-2400-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.474	14	.551	0.6	.022
2.41	.095	12.5	.492	5	3	462.1-2410-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.474	14	.551	0.6	.022
2.42	.095	12.5	.492	5	3	462.1-2420-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.474	14	.551	0.6	.022
2.43	.096	12.5	.492	5	3	462.1-2430-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.474	14	.551	0.6	.022
2.44	.096	12.5	.492	5	3	462.1-2440-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.474	14	.551	0.6	.022
2.45	.096	12.5	.492	5	3	462.1-2450-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.474	14	.551	0.6	.022
2.46	.097	12.5	.492	5	3	462.1-2460-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.474	14	.551	0.6	.023
2.47	.097	12.5	.492	5	3	462.1-2470-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.473	14	.551	0.6	.023
2.48	.098	12.5	.492	5	3	462.1-2480-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.473	14	.551	0.6	.023
2.49	.098	12.5	.492	5	3	462.1-2490-125A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.473	14	.551	0.6	.023
2.50	.098	14.0	.551	5	3	462.1-2500-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.473	17	.669	0.6	.023
2.51	.099	14.0	.551	5	3	462.1-2510-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.473	17	.669	0.6	.023
2.52	.099	14.0	.551	5	3	462.1-2520-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.473	17	.669	0.6	.023
2.53	.100	14.0	.551	5	3	462.1-2530-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.473	17	.669	0.6	.023
2.54	.100	14.0	.551	5	3	462.1-2540-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.473	17	.669	0.6	.023
2.55	.100	14.0	.551	5	3	462.1-2550-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.473	17	.669	0.6	.023
2.56	.101	14.0	.551	5	3	462.1-2560-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.023
2.57	.101	14.0	.551	5	3	462.1-2570-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024

CoroDrill® 462-XM solid carbide micro drill

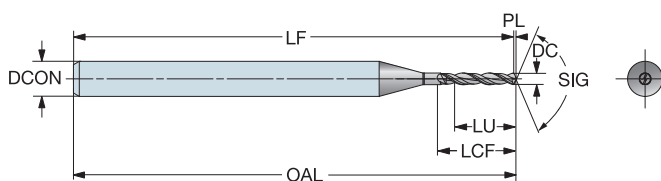
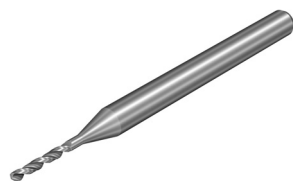
For multi-materials

Versatile,

Uncoated 6xD

External coolant supply

TCHA JS7
SIG 130°



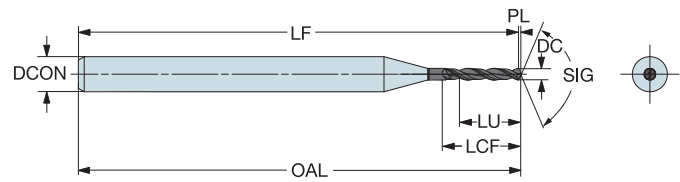
							P	M	K	N	S	O	Dimensions, mm, inch											
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	H10F	H10F	H10F	H10F	H10F	H10F	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*		
2.58	.102	14.0	.551	5	3	462.1-2580-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024		
2.59	.102	14.0	.551	5	3	462.1-2590-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024		
2.60	.102	14.0	.551	5	3	462.1-2600-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024		
2.61	.103	14.0	.551	5	3	462.1-2610-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024		
2.62	.103	14.0	.551	5	3	462.1-2620-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024		
2.63	.104	14.0	.551	5	3	462.1-2630-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024		
2.64	.104	14.0	.551	5	3	462.1-2640-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024		
2.65	.104	14.0	.551	5	3	462.1-2650-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024		
2.66	.105	14.0	.551	5	3	462.1-2660-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.024		
2.67	.105	14.0	.551	5	3	462.1-2670-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.025		
2.68	.106	14.0	.551	5	3	462.1-2680-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.472	17	.669	0.6	.025		
2.69	.106	14.0	.551	5	3	462.1-2690-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025		
2.70	.106	14.0	.551	5	3	462.1-2700-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025		
2.71	.107	14.0	.551	5	3	462.1-2710-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025		
2.72	.107	14.0	.551	5	3	462.1-2720-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025		
2.73	.107	14.0	.551	5	3	462.1-2730-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025		
2.74	.108	14.0	.551	5	3	462.1-2740-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025		
2.75	.108	14.0	.551	5	3	462.1-2750-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025		
2.76	.109	14.0	.551	5	3	462.1-2760-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025		
2.77	.109	14.0	.551	5	3	462.1-2770-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.470	17	.669	0.6	.025		
2.78	.109	14.0	.551	5	3	462.1-2780-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.470	17	.669	0.6	.026		
2.79	.110	14.0	.551	5	3	462.1-2790-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.470	17	.669	0.7	.026		
2.80	.110	14.0	.551	5	3	462.1-2800-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.4	1.470	17	.669	0.7	.026		
2.81	.111	14.0	.551	4	3	462.1-2810-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026		
2.82	.111	14.0	.551	4	3	462.1-2820-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026		
2.83	.111	14.0	.551	4	3	462.1-2830-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026		
2.84	.112	14.0	.551	4	3	462.1-2840-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026		
2.85	.112	14.0	.551	4	3	462.1-2850-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026		
2.86	.113	14.0	.551	4	3	462.1-2860-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026		
2.87	.113	14.0	.551	4	3	462.1-2870-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026		
2.88	.113	14.0	.551	4	3	462.1-2880-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026		
2.89	.114	14.0	.551	4	3	462.1-2890-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.027		
2.90	.114	14.0	.551	4	3	462.1-2900-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
2.91	.115	14.0	.551	4	3	462.1-2910-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
2.92	.115	14.0	.551	4	3	462.1-2920-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
2.93	.115	14.0	.551	4	3	462.1-2930-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
2.94	.116	14.0	.551	4	3	462.1-2940-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
2.95	.116	14.0	.551	4	3	462.1-2950-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
2.96	.117	14.0	.551	4	3	462.1-2960-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
2.97	.117	14.0	.551	4	3	462.1-2970-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
2.98	.117	14.0	.551	4	3	462.1-2980-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
2.99	.118	14.0	.551	4	3	462.1-2990-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027		
3.00	.118	14.0	.551	4	3	462.1-3000-140A0-XM	☆	☆	☆	★	☆	☆	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.028		



CoroDrill® 462-XM solid carbide micro drill

For multi-materials
Versatile,
Coated 6xD
External coolant supply

TCHA JS7
SIG 130°



							P M K N S H O						Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	X2BM	X2BM	X2BM	X2BM	X2BM	X2BM	DCON _{MS}	DCON _{MS} "	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL"
0.20	.008	1.5	.059	7	3	462.1-0200-015A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	38.0	1.494	1	.071	0.0	.002
0.21	.008	1.5	.059	7	3	462.1-0210-015A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	38.0	1.494	1	.071	0.0	.002
0.22	.009	1.5	.059	6	3	462.1-0220-015A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	38.0	1.494	1	.071	0.1	.002
0.23	.009	1.5	.059	6	3	462.1-0230-015A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	38.0	1.494	1	.071	0.1	.002
0.24	.009	1.5	.059	6	3	462.1-0240-015A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.494	1	.071	0.1	.002
0.25	.010	1.9	.075	7	3	462.1-0250-019A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.494	2	.087	0.1	.002
0.26	.010	1.9	.075	7	3	462.1-0260-019A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.494	2	.087	0.1	.002
0.27	.011	1.9	.075	7	3	462.1-0270-019A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.494	2	.087	0.1	.002
0.28	.011	1.9	.075	6	3	462.1-0280-019A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.087	0.1	.003
0.29	.011	1.9	.075	6	3	462.1-0290-019A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.087	0.1	.003
0.30	.012	1.8	.071	6	3	462.1-0300-018A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.094	0.1	.003
0.31	.012	1.8	.071	5	3	462.1-0310-018A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.094	0.1	.003
0.32	.013	1.8	.071	5	3	462.1-0320-018A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.094	0.1	.003
0.33	.013	1.8	.071	5	3	462.1-0330-018A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.094	0.1	.003
0.34	.013	1.8	.071	5	3	462.1-0340-018A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.094	0.1	.003
0.35	.014	2.2	.087	6	3	462.1-0350-022A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.110	0.1	.003
0.36	.014	2.2	.087	6	3	462.1-0360-022A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.110	0.1	.003
0.37	.015	2.2	.087	5	3	462.1-0370-022A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.110	0.1	.003
0.38	.015	2.2	.087	5	3	462.1-0380-022A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	2	.110	0.1	.003
0.39	.015	2.7	.106	6	3	462.1-0390-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	3	.142	0.1	.004
0.40	.016	2.7	.106	6	3	462.1-0400-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.493	3	.142	0.1	.004
0.41	.016	2.7	.106	6	3	462.1-0410-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.492	3	.142	0.1	.004
0.42	.017	2.7	.106	6	3	462.1-0420-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.492	3	.142	0.1	.004
0.43	.017	2.7	.106	6	3	462.1-0430-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.492	3	.142	0.1	.004
0.44	.017	2.7	.106	6	3	462.1-0440-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.492	3	.142	0.1	.004
0.45	.018	2.7	.106	6	3	462.1-0450-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.492	3	.142	0.1	.004
0.46	.018	2.7	.106	5	3	462.1-0460-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.492	3	.142	0.1	.004
0.47	.019	2.7	.106	5	3	462.1-0470-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.492	3	.142	0.1	.004
0.48	.019	2.7	.106	5	3	462.1-0480-027A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.492	3	.142	0.1	.004
0.49	.019	3.2	.126	6	3	462.1-0490-032A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.492	4	.157	0.1	.004
0.50	.020	3.2	.126	6	3	462.1-0500-032A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.157	0.1	.005
0.51	.020	3.2	.126	6	3	462.1-0510-032A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.157	0.1	.005
0.52	.020	3.2	.126	6	3	462.1-0520-032A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.157	0.1	.005
0.53	.021	3.2	.126	6	3	462.1-0530-032A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.157	0.1	.005
0.54	.021	3.6	.142	6	3	462.1-0540-036A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.55	.022	3.6	.142	6	3	462.1-0550-036A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.56	.022	3.6	.142	6	3	462.1-0560-036A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.57	.022	3.6	.142	6	3	462.1-0570-036A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.58	.023	3.6	.142	6	3	462.1-0580-036A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.59	.023	3.6	.142	6	3	462.1-0590-036A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.005
0.60	.024	3.6	.142	6	3	462.1-0600-036A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	4	.177	0.1	.006
0.61	.024	3.9	.154	6	3	462.1-0610-039A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	5	.197	0.1	.006
0.62	.024	3.9	.154	6	3	462.1-0620-039A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.491	5	.197	0.1	.006
0.63	.025	3.9	.154	6	3	462.1-0630-039A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.490	5	.197	0.1	.006
0.64	.025	3.9	.154	6	3	462.1-0640-039A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.490	5	.197	0.1	.006
0.65	.026	3.9	.154	6	3	462.1-0650-039A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.490	5	.197	0.2	.006
0.66	.026	3.9	.154	5	3	462.1-0660-039A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.9	1.490	5	.197	0.2	.006
0.67	.026	3.9	.154	5	3	462.1-0670-039A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.490	5	.197	0.2	.006
0.68	.027	4.5	.177	6	3	462.1-0680-045A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.490	5	.220	0.2	.006
0.69	.027	4.5	.177	6	3	462.1-0690-045A0-XM	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.490	5	.220	0.2	.006

CoroDrill® 462-XM solid carbide micro drill

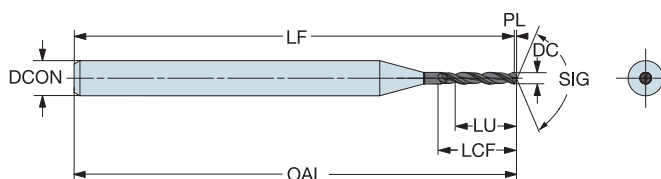
For multi-materials

Versatile,

Coated 6xD

External coolant supply

TCHA JS7
SIG 130°



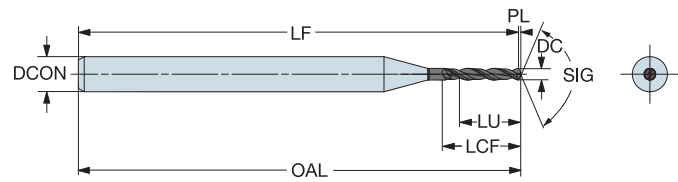
							P	M	K	N	S	H	O	Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	X2BM	X2BM	X2BM	X2BM	X2BM	X2BM	X2BM	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
0.70	.028	4.5	.177	6	3	462.1-0700-045A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.490	5	.220	0.2	.006
0.71	.028	4.5	.177	6	3	462.1-0710-045A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.72	.028	4.5	.177	6	3	462.1-0720-045A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.73	.029	4.5	.177	6	3	462.1-0730-045A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.74	.029	4.5	.177	6	3	462.1-0740-045A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.75	.030	4.5	.177	6	3	462.1-0750-045A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	5	.220	0.2	.007
0.76	.030	5.0	.197	6	3	462.1-0760-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.77	.030	5.0	.197	6	3	462.1-0770-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.78	.031	5.0	.197	6	3	462.1-0780-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.79	.031	5.0	.197	6	3	462.1-0790-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.80	.031	5.0	.197	6	3	462.1-0800-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.81	.032	5.0	.197	6	3	462.1-0810-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.007
0.82	.032	5.0	.197	6	3	462.1-0820-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.008
0.83	.033	5.0	.197	6	3	462.1-0830-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.489	6	.248	0.2	.008
0.84	.033	5.0	.197	5	3	462.1-0840-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.488	6	.248	0.2	.008
0.85	.033	5.0	.197	5	3	462.1-0850-050A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.488	6	.248	0.2	.008
0.86	.034	5.7	.224	6	3	462.1-0860-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.87	.034	5.7	.224	6	3	462.1-0870-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.88	.035	5.7	.224	6	3	462.1-0880-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.89	.035	5.7	.224	6	3	462.1-0890-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.90	.035	5.7	.224	6	3	462.1-0900-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.91	.036	5.7	.224	6	3	462.1-0910-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.92	.036	5.7	.224	6	3	462.1-0920-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.488	7	.280	0.2	.008
0.93	.037	5.7	.224	6	3	462.1-0930-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	7	.280	0.2	.009
0.94	.037	5.7	.224	6	3	462.1-0940-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	7	.280	0.2	.009
0.95	.037	5.7	.224	6	3	462.1-0950-057A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	7	.280	0.2	.009
0.96	.038	6.5	.256	6	3	462.1-0960-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.009
0.97	.038	6.5	.256	6	3	462.1-0970-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.009
0.98	.039	6.5	.256	6	3	462.1-0980-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.009
0.99	.039	6.5	.256	6	3	462.1-0990-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.009
1.00	.039	6.5	.256	6	3	462.1-1000-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.009
1.01	.040	6.5	.256	6	3	462.1-1010-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.009
1.02	.040	6.5	.256	6	3	462.1-1020-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.009
1.03	.041	6.5	.256	6	3	462.1-1030-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.009
1.04	.041	6.5	.256	6	3	462.1-1040-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.010
1.05	.041	6.5	.256	6	3	462.1-1050-065A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.487	8	.315	0.2	.010
1.06	.042	7.3	.287	6	3	462.1-1060-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.486	9	.354	0.2	.010
1.07	.042	7.3	.287	6	3	462.1-1070-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.486	9	.354	0.2	.010
1.08	.043	7.3	.287	6	3	462.1-1080-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.486	9	.354	0.3	.010
1.09	.043	7.3	.287	6	3	462.1-1090-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.8	1.486	9	.354	0.3	.010
1.10	.043	7.3	.287	6	3	462.1-1100-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.486	9	.354	0.3	.010
1.11	.044	7.3	.287	6	3	462.1-1110-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.486	9	.354	0.3	.010
1.12	.044	7.3	.287	6	3	462.1-1120-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.486	9	.354	0.3	.010
1.13	.044	7.3	.287	6	3	462.1-1130-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.486	9	.354	0.3	.010
1.14	.045	7.3	.287	6	3	462.1-1140-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	9	.354	0.3	.010
1.15	.045	7.3	.287	6	3	462.1-1150-073A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	9	.354	0.3	.011
1.16	.046	8.2	.323	7	3	462.1-1160-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011
1.17	.046	8.2	.323	7	3	462.1-1170-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011
1.18	.046	8.2	.323	6	3	462.1-1180-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011
1.19	.047	8.2	.323	6	3	462.1-1190-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011
1.20	.047	8.2	.323	6	3	462.1-1200-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011



CoroDrill® 462-XM solid carbide micro drill

For multi-materials
Versatile,
Coated 6xD
External coolant supply

TCHA JS7
SIG 130°

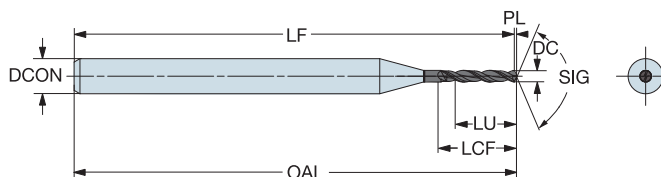


							P	M	K	N	S	H	O	Dimensions, mm, inch									
							X2BM	X2BM	X2BM	X2BM	X2BM	X2BM	X2BM										
DC	DC*	LU	LU*	ULDR	CZG _{MS}	Ordering code								DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
1.21	.048	8.2	.323	6	3	462.1-1210-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011
1.22	.048	8.2	.323	6	3	462.1-1220-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011
1.23	.048	8.2	.323	6	3	462.1-1230-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011
1.24	.049	8.2	.323	6	3	462.1-1240-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011
1.25	.049	8.2	.323	6	3	462.1-1250-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.011
1.26	.050	8.2	.323	6	3	462.1-1260-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.485	10	.394	0.3	.012
1.27	.050	8.2	.323	6	3	462.1-1270-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.484	10	.394	0.3	.012
1.28	.050	8.2	.323	6	3	462.1-1280-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.484	10	.394	0.3	.012
1.29	.051	8.2	.323	6	3	462.1-1290-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.484	10	.394	0.3	.012
1.30	.051	8.2	.323	6	3	462.1-1300-082A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.484	10	.394	0.3	.012
1.31	.052	9.2	.362	7	3	462.1-1310-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.484	11	.441	0.3	.012
1.32	.052	9.2	.362	6	3	462.1-1320-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.484	11	.441	0.3	.012
1.33	.052	9.2	.362	6	3	462.1-1330-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.484	11	.441	0.3	.012
1.34	.053	9.2	.362	6	3	462.1-1340-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.484	11	.441	0.3	.012
1.35	.053	9.2	.362	6	3	462.1-1350-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.484	11	.441	0.3	.012
1.36	.054	9.2	.362	6	3	462.1-1360-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.012
1.37	.054	9.2	.362	6	3	462.1-1370-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.38	.054	9.2	.362	6	3	462.1-1380-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.39	.055	9.2	.362	6	3	462.1-1390-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.40	.055	9.2	.362	6	3	462.1-1400-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.41	.056	9.2	.362	6	3	462.1-1410-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.42	.056	9.2	.362	6	3	462.1-1420-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.43	.056	9.2	.362	6	3	462.1-1430-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.44	.057	9.2	.362	6	3	462.1-1440-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.45	.057	9.2	.362	6	3	462.1-1450-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.46	.057	9.2	.362	6	3	462.1-1460-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.47	.058	9.2	.362	6	3	462.1-1470-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.483	11	.441	0.3	.013
1.48	.058	9.2	.362	6	3	462.1-1480-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.482	11	.441	0.3	.014
1.49	.059	9.2	.362	6	3	462.1-1490-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.482	11	.441	0.3	.014
1.50	.059	9.2	.362	6	3	462.1-1500-092A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.482	11	.441	0.3	.014
1.51	.059	11.2	.441	7	3	462.1-1510-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.482	13	.528	0.4	.014
1.52	.060	11.2	.441	7	3	462.1-1520-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.7	1.482	13	.528	0.4	.014
1.53	.060	11.2	.441	7	3	462.1-1530-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.014
1.54	.061	11.2	.441	7	3	462.1-1540-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.014
1.55	.061	11.2	.441	7	3	462.1-1550-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.014
1.56	.061	11.2	.441	7	3	462.1-1560-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.014
1.57	.062	11.2	.441	7	3	462.1-1570-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.014
1.58	.062	11.2	.441	7	3	462.1-1580-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.015
1.59	.063	11.2	.441	7	3	462.1-1590-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.015
1.60	.063	11.2	.441	7	3	462.1-1600-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.482	13	.528	0.4	.015
1.61	.063	11.2	.441	6	3	462.1-1610-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015
1.62	.064	11.2	.441	6	3	462.1-1620-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015
1.63	.064	11.2	.441	6	3	462.1-1630-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015
1.64	.065	11.2	.441	6	3	462.1-1640-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015
1.65	.065	11.2	.441	6	3	462.1-1650-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015
1.66	.065	11.2	.441	6	3	462.1-1660-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015
1.67	.066	11.2	.441	6	3	462.1-1670-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015
1.68	.066	11.2	.441	6	3	462.1-1680-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.015
1.69	.067	11.2	.441	6	3	462.1-1690-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.481	13	.528	0.4	.016
1.70	.067	11.2	.441	6	3	462.1-1700-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016
1.71	.067	11.2	.441	6	3	462.1-1710-112A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016

CoroDrill® 462-XM solid carbide micro drill

For multi-materials
Versatile,
Coated 6xD
External coolant supply

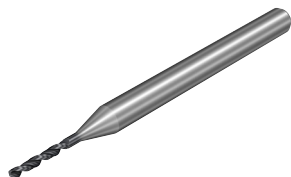
TCHA JS7
SIG 130°



							P	M	K	N	S	H	O	Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	X2BM	X2BM	X2BM	X2BM	X2BM	X2BM	X2BM	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
1.72	.068	11.2	.441	6	3	462.1-1720-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016
1.73	.068	11.2	.441	6	3	462.1-1730-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016
1.74	.069	11.2	.441	6	3	462.1-1740-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016
1.75	.069	11.2	.441	6	3	462.1-1750-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016
1.76	.069	11.2	.441	6	3	462.1-1760-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016
1.77	.070	11.2	.441	6	3	462.1-1770-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016
1.78	.070	11.2	.441	6	3	462.1-1780-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016
1.79	.070	11.2	.441	6	3	462.1-1790-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.016
1.80	.071	11.2	.441	6	3	462.1-1800-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.017
1.81	.071	11.2	.441	6	3	462.1-1810-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.017
1.82	.072	11.2	.441	6	3	462.1-1820-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.480	13	.528	0.4	.017
1.83	.072	11.2	.441	6	3	462.1-1830-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017
1.84	.072	11.2	.441	6	3	462.1-1840-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017
1.85	.073	11.2	.441	6	3	462.1-1850-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017
1.86	.073	11.2	.441	6	3	462.1-1860-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017
1.87	.074	11.2	.441	5	3	462.1-1870-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017
1.88	.074	11.2	.441	5	3	462.1-1880-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017
1.89	.074	11.2	.441	5	3	462.1-1890-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017
1.90	.075	11.2	.441	5	3	462.1-1900-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.479	13	.528	0.4	.017
1.91	.075	11.2	.441	5	3	462.1-1910-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.4	.018
1.92	.076	11.2	.441	5	3	462.1-1920-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.4	.018
1.93	.076	11.2	.441	5	3	462.1-1930-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.4	.018
1.94	.076	11.2	.441	5	3	462.1-1940-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.5	.018
1.95	.077	11.2	.441	5	3	462.1-1950-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.6	1.478	13	.528	0.5	.018
1.96	.077	11.2	.441	5	3	462.1-1960-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018
1.97	.078	11.2	.441	5	3	462.1-1970-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018
1.98	.078	11.2	.441	5	3	462.1-1980-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018
1.99	.078	11.2	.441	5	3	462.1-1990-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018
2.00	.079	11.2	.441	5	3	462.1-2000-112A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.478	13	.528	0.5	.018
2.01	.079	12.5	.492	6	3	462.1-2010-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.478	14	.551	0.5	.018
2.02	.080	12.5	.492	6	3	462.1-2020-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.478	14	.551	0.5	.019
2.03	.080	12.5	.492	6	3	462.1-2030-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.478	14	.551	0.5	.019
2.04	.080	12.5	.492	6	3	462.1-2040-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.05	.081	12.5	.492	6	3	462.1-2050-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.06	.081	12.5	.492	6	3	462.1-2060-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.07	.081	12.5	.492	6	3	462.1-2070-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.08	.082	12.5	.492	6	3	462.1-2080-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.09	.082	12.5	.492	5	3	462.1-2090-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.10	.083	12.5	.492	5	3	462.1-2100-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.11	.083	12.5	.492	5	3	462.1-2110-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.12	.083	12.5	.492	5	3	462.1-2120-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.477	14	.551	0.5	.019
2.13	.084	12.5	.492	5	3	462.1-2130-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.14	.084	12.5	.492	5	3	462.1-2140-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.15	.085	12.5	.492	5	3	462.1-2150-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.16	.085	12.5	.492	5	3	462.1-2160-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.17	.085	12.5	.492	5	3	462.1-2170-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.18	.086	12.5	.492	5	3	462.1-2180-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.19	.086	12.5	.492	5	3	462.1-2190-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.20	.087	12.5	.492	5	3	462.1-2200-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.21	.087	12.5	.492	5	3	462.1-2210-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020
2.22	.087	12.5	.492	5	3	462.1-2220-125A0-XM	★	★	★	★	☆	★	☆	3.0	.118	38	1.496	37.5	1.476	14	.551	0.5	.020

ENG

External coolant supply

B

C

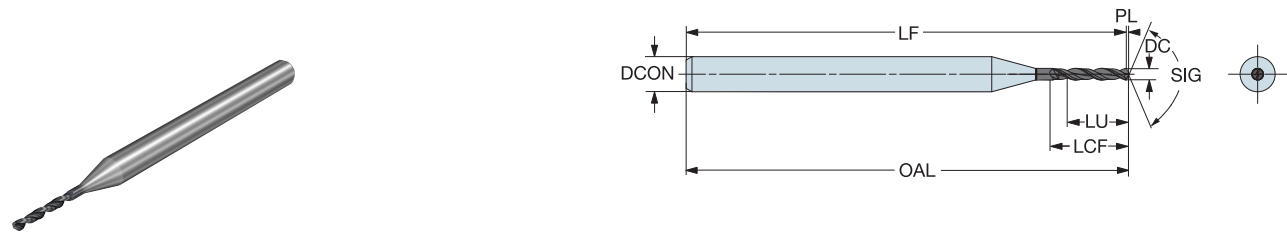
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E

CoroDrill® 462-XM solid carbide micro drill

For multi-materials
Versatile,
Coated 6xD
External coolant supply

TCHA JS7
SIG 130°

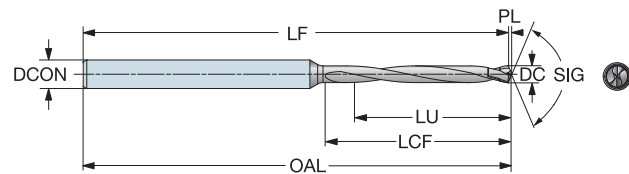
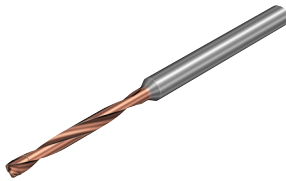


							P	M	K	N	S	H	O	Dimensions, mm, inch									
							X2BM	X2BM	X2BM	X2BM	X2BM	X2BM	X2BM										
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code								DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
2.74	.108	14.0	.551	5	3	462.1-2740-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025
2.75	.108	14.0	.551	5	3	462.1-2750-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025
2.76	.109	14.0	.551	5	3	462.1-2760-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.4	1.471	17	.669	0.6	.025
2.77	.109	14.0	.551	5	3	462.1-2770-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.4	1.470	17	.669	0.6	.025
2.78	.109	14.0	.551	5	3	462.1-2780-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.4	1.470	17	.669	0.6	.026
2.79	.110	14.0	.551	5	3	462.1-2790-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.4	1.470	17	.669	0.7	.026
2.80	.110	14.0	.551	5	3	462.1-2800-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.4	1.470	17	.669	0.7	.026
2.81	.111	14.0	.551	4	3	462.1-2810-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026
2.82	.111	14.0	.551	4	3	462.1-2820-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026
2.83	.111	14.0	.551	4	3	462.1-2830-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026
2.84	.112	14.0	.551	4	3	462.1-2840-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026
2.85	.112	14.0	.551	4	3	462.1-2850-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026
2.86	.113	14.0	.551	4	3	462.1-2860-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026
2.87	.113	14.0	.551	4	3	462.1-2870-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026
2.88	.113	14.0	.551	4	3	462.1-2880-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.026
2.89	.114	14.0	.551	4	3	462.1-2890-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.470	17	.669	0.7	.027
2.90	.114	14.0	.551	4	3	462.1-2900-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
2.91	.115	14.0	.551	4	3	462.1-2910-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
2.92	.115	14.0	.551	4	3	462.1-2920-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
2.93	.115	14.0	.551	4	3	462.1-2930-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
2.94	.116	14.0	.551	4	3	462.1-2940-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
2.95	.116	14.0	.551	4	3	462.1-2950-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
2.96	.117	14.0	.551	4	3	462.1-2960-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
2.97	.117	14.0	.551	4	3	462.1-2970-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
2.98	.117	14.0	.551	4	3	462.1-2980-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
2.99	.118	14.0	.551	4	3	462.1-2990-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.027
3.00	.118	14.0	.551	4	3	462.1-3000-140A0-XM	★	★	★	★	★	★	★	3.0	.118	38	1.496	37.3	1.469	17	.669	0.7	.028

CoroDrill® 862 solid carbide micro drill

For multi-materials
Optimized,
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External coolant supply

TCHA H7
SIG 140°

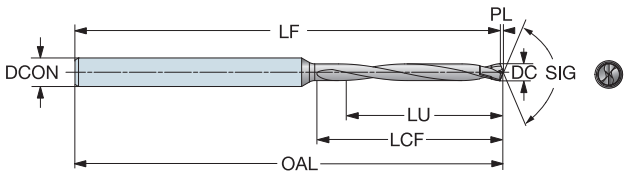
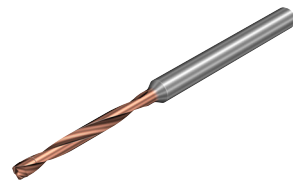


								P	M	K	N	S	H	O	Dimensions, mm, inch										
								X2BL	X2BL	X2BL	X2BL	X2BL	X2BL												
DC	DC"	LU	LU"	ULDR	CZC _{MS}	Ordering code	X2BL	X2BL	X2BL	X2BL	X2BL	X2BL													
0.30	.012	2.7	.106	9	3	862.1-0300-027A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	38	1.496	38.0	1.494	3	.130	0.1	.002		
0.35	.014	3.2	.124	9	3	862.1-0350-031A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	38	1.496	37.9	1.494	3	.154	0.1	.003		
0.40	.016	3.6	.142	9	3	862.1-0400-036A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	38	1.496	37.9	1.493	4	.173	0.1	.003		
0.45	.018	4.1	.159	9	3	862.1-0450-040A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	38	1.496	37.9	1.493	5	.197	0.1	.003		
0.50	.020	4.5	.177	9	3	862.1-0500-045A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	38	1.496	37.9	1.493	5	.217	0.1	.004		
0.55	.022	5.0	.195	9	3	862.1-0550-049A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	38	1.496	37.9	1.492	6	.240	0.1	.004		
0.60	.024	5.4	.213	9	3	862.1-0600-054A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	38	1.496	37.9	1.492	6	.260	0.1	.004		
0.65	.026	5.9	.230	9	3	862.1-0650-058A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	38	1.496	37.9	1.491	7	.283	0.1	.005		
0.70	.028	6.3	.248	9	3	862.1-0700-063A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	38	1.496	37.9	1.491	7	.303	0.1	.005		
0.75	.030	6.8	.266	9	3	862.1-0750-067A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	40	1.575	39.9	1.569	8	.327	0.1	.005		
0.80	.031	7.2	.283	9	3	862.1-0800-072A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	40	1.575	39.9	1.569	8	.346	0.1	.006		
0.85	.033	7.7	.301	9	3	862.1-0850-076A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	40	1.575	39.9	1.569	9	.370	0.2	.006		
0.90	.035	8.1	.319	9	3	862.1-0900-081A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	40	1.575	39.8	1.569	9	.390	0.2	.006		
0.95	.037	8.6	.337	9	3	862.1-0950-085A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.765	10	.413	0.2	.007		
1.00	.039	9.0	.354	9	3	862.1-1000-090A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.765	11	.433	0.2	.007		
1.05	.041	9.5	.372	9	3	862.1-1050-094A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.764	11	.457	0.2	.008		
1.10	.043	9.9	.390	9	3	862.1-1100-099A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.764	12	.476	0.2	.008		
1.15	.045	10.4	.407	9	3	862.1-1150-103A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.763	12	.500	0.2	.008		
1.20	.047	10.8	.425	9	3	862.1-1200-108A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.763	13	.520	0.2	.009		
1.25	.049	11.3	.443	9	3	862.1-1250-112A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.763	13	.543	0.2	.009		
1.30	.051	11.7	.461	9	3	862.1-1300-117A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.762	14	.563	0.2	.009		
1.35	.053	12.2	.478	9	3	862.1-1350-121A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.762	14	.587	0.2	.010		
1.40	.055	12.6	.496	9	3	862.1-1400-126A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.8	1.762	15	.606	0.3	.010		
1.45	.057	13.1	.514	9	3	862.1-1450-130A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.7	1.761	16	.630	0.3	.010		
1.50	.059	13.5	.531	9	3	862.1-1500-135A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	45	1.772	44.7	1.761	16	.650	0.3	.011		
1.55	.061	14.0	.549	9	3	862.1-1550-139A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	50	1.969	49.7	1.957	17	.673	0.3	.011		
1.60	.063	14.4	.567	9	3	862.1-1600-144A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	50	1.969	49.7	1.957	17	.693	0.3	.011		
1.65	.065	14.9	.585	9	3	862.1-1650-148A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	50	1.969	49.7	1.957	18	.717	0.3	.012		
1.70	.067	15.3	.602	9	3	862.1-1700-153A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	50	1.969	49.7	1.956	18	.736	0.3	.012		
1.75	.069	15.8	.620	9	3	862.1-1750-157A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	50	1.969	49.7	1.956	19	.760	0.3	.013		
1.80	.071	16.2	.638	9	3	862.1-1800-162A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	50	1.969	49.7	1.956	19	.780	0.3	.013		
1.85	.073	16.7	.656	9	3	862.1-1850-166A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	55	2.165	54.7	2.152	20	.803	0.3	.013		
1.90	.075	17.1	.673	9	3	862.1-1900-171A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	55	2.165	54.7	2.152	20	.823	0.3	.014		
1.95	.077	17.6	.691	9	3	862.1-1950-175A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	55	2.165	54.7	2.152	21	.846	0.4	.014		
2.00	.079	18.0	.709	9	3	862.1-2000-180A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	55	2.165	54.6	2.151	22	.866	0.4	.014		
2.05	.081	18.5	.726	9	3	862.1-2050-184A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	55	2.165	54.6	2.151	22	.890	0.4	.015		
2.10	.083	18.9	.744	9	3	862.1-2100-189A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	55	2.165	54.6	2.150	23	.909	0.4	.015		
2.15	.085	19.4	.762	9	3	862.1-2150-193A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	55	2.165	54.6	2.150	23	.933	0.4	.015		
2.20	.087	19.8	.780	9	3	862.1-2200-198A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	55	2.165	54.6	2.150	24	.953	0.4	.016		
2.25	.089	20.3	.797	9	3	862.1-2250-202A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	55	2.165	54.6	2.149	24	.976	0.4	.016		
2.30	.091	20.7	.815	9	3	862.1-2300-207A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	60	2.362	59.6	2.346	25	.996	0.4	.016		
2.35	.093	21.2	.833	9	3	862.1-2350-211A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	60	2.362	59.6	2.345	25	1.020	0.4	.017		
2.40	.094	21.6	.850	9	3	862.1-2400-216A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	60	2.362	59.6	2.345	26	1.039	0.4	.017		
2.45	.096	22.1	.868	9	3	862.1-2450-220A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	60	2.362	59.6	2.344	27	1.063	0.4	.018		
2.50	.098	22.5	.886	9	3	862.1-2500-225A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	60	2.362	59.6	2.344	27	1.083	0.5	.018		
2.55	.100	23.0	.904	9	3	862.1-2550-229A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	60	2.362	59.5	2.344	28	1.106	0.5	.018		
2.60	.102	23.4	.921	9	3	862.1-2600-234A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	60	2.362	59.5	2.344	28	1.126	0.5	.019		
2.65	.104	23.9	.939	9	3	862.1-2650-238A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	60	2.362	59.5	2.343	29	1.150	0.5	.019		
2.70	.106	24.3	.957	9	3	862.1-2700-243A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	60	2.362	59.5	2.343	29	1.169	0.5	.019		
2.75	.108	24.8	.974	9	3	862.1-2750-247A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	65	2.559	64.5	2.539	30	1.193	0.5	.020		
2.80	.110	25.2	.992	9	3	862.1-2800-252A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	65	2.559	64.5	2.539	30	1.213	0.5	.020		
2.85	.112	25.7	1.010	9	3	862.1-2850-256A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	65	2.559	64.5	2.539	31	1.236	0.5	.020		

CoroDrill® 862 solid carbide micro drill

For multi-materials
Optimized,
Coated 9xD
External coolant supply

TCHA H7
SIG 140°



							P	M	K	N	S	H	O	Dimensions, mm, inch											
							X2BL	X2BL	X2BL	X2BL	X2BL	X2BL	X2BL												
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	X2BL	X2BL	X2BL	X2BL	X2BL	X2BL	X2BL	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*		
2.90	.114	26.1	1.028	9	3	862.1-2900-261A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	65	2.559	64.5	2.538	31	1.256	0.5	.021		
2.95	.116	26.6	1.045	9	3	862.1-2950-265A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	65	2.559	64.5	2.538	32	1.280	0.5	.021		
3.00	.118	27.0	1.063	9	3	862.1-3000-270A0-GM	☆	☆	☆	☆	★	★	☆	3.0	.118	65	2.559	64.5	2.537	33	1.299	0.5	.021		

C

D

E



CoroDrill® 862 solid carbide micro drill

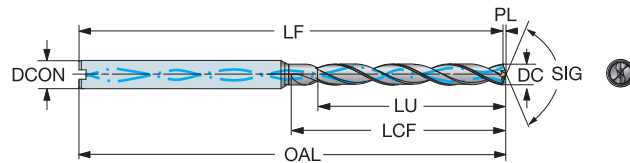
For multi-materials

Optimized,

Coated 9xD

Internal coolant supply

TCHA JS7
SIG 140°



						P	M	K	N	S	H	O	Dimensions, mm, inch											
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	X2BM	X2BM	X2BM	X2BM	X2BM	X2BM	X2BM	DCON _{MS}	DCON _{MS} "	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL"	
1.00	.039	9.0	.354	9	3	862.1-1000-090A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.8	2.001	11	.433	0.2	.007	
1.10	.043	9.9	.390	9	3	862.1-1100-099A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.8	2.000	12	.472	0.2	.008	
1.20	.047	10.8	.425	9	3	862.1-1200-108A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.8	1.999	13	.512	0.2	.009	
1.30	.051	11.7	.461	9	3	862.1-1300-117A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.8	1.998	14	.551	0.2	.009	
1.40	.055	12.6	.496	9	3	862.1-1400-126A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.8	1.998	15	.591	0.3	.010	
1.50	.059	13.5	.531	9	3	862.1-1500-135A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.7	1.997	16	.650	0.3	.011	
1.60	.063	14.4	.567	9	3	862.1-1600-144A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.7	1.996	17	.689	0.3	.011	
1.70	.067	15.3	.602	9	3	862.1-1700-153A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.7	1.996	18	.728	0.3	.012	
1.80	.071	16.2	.638	9	3	862.1-1800-162A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.7	1.995	19	.748	0.3	.013	
1.85	.073	16.2	.638	8	3	862.1-1850-162A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.7	1.994	19	.748	0.3	.013	
1.90	.075	17.1	.673	9	3	862.1-1900-171A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.7	1.994	20	.787	0.3	.014	
1.98	.078	17.1	.673	8	3	862.1-1980-171A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.6	1.994	20	.787	0.4	.014	
2.00	.079	18.0	.709	9	3	862.1-2000-180A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.6	1.994	21	.827	0.4	.014	
2.05	.081	18.0	.709	8	3	862.1-2050-180A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.6	1.993	21	.827	0.4	.015	
2.08	.082	18.0	.709	8	3	862.1-2080-180A1-GM	★	★	★	★	★	★	☆	3.0	.118	51	2.008	50.6	1.993	21	.827	0.4	.015	
2.10	.083	18.9	.744	9	3	862.1-2100-189A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.387	22	.866	0.4	.015	
2.15	.085	18.9	.744	8	3	862.1-2150-189A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.386	22	.866	0.4	.015	
2.18	.086	18.9	.744	8	3	862.1-2180-189A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.386	22	.866	0.4	.016	
2.20	.087	19.8	.780	9	3	862.1-2200-198A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.386	23	.906	0.4	.016	
2.25	.089	19.8	.780	8	3	862.1-2250-198A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.385	23	.906	0.4	.016	
2.26	.089	19.8	.780	8	3	862.1-2260-198A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.385	23	.906	0.4	.016	
2.30	.091	20.7	.815	9	3	862.1-2300-207A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.385	24	.945	0.4	.016	
2.38	.094	20.7	.815	8	3	862.1-2380-207A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.385	24	.945	0.4	.017	
2.40	.094	21.6	.850	9	3	862.1-2400-216A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.384	24	.965	0.4	.017	
2.44	.096	21.6	.850	8	3	862.1-2440-216A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.384	24	.965	0.4	.017	
2.50	.098	22.5	.886	9	3	862.1-2500-225A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.6	2.384	25	1.004	0.5	.018	
2.58	.102	22.5	.886	8	3	862.1-2580-225A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.383	25	.984	0.5	.018	
2.60	.102	23.4	.921	9	3	862.1-2600-234A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.383	26	1.043	0.5	.019	
2.64	.104	23.4	.921	8	3	862.1-2640-234A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.383	26	1.043	0.5	.019	
2.70	.106	24.3	.957	9	3	862.1-2700-243A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.382	27	1.083	0.5	.019	
2.71	.107	24.3	.957	8	3	862.1-2710-243A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.382	27	1.083	0.5	.019	
2.80	.110	25.2	.992	9	3	862.1-2800-252A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.382	28	1.102	0.5	.020	
2.82	.111	25.2	.992	8	3	862.1-2820-252A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.382	28	1.102	0.5	.020	
2.87	.113	25.2	.992	8	3	862.1-2870-252A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.381	28	1.102	0.5	.021	
2.90	.114	26.1	1.028	9	3	862.1-2900-261A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.381	29	1.142	0.5	.021	
2.95	.116	26.1	1.028	8	3	862.1-2950-261A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.380	29	1.142	0.5	.021	
3.00	.118	27.0	1.063	9	3	862.1-3000-270A1-GM	★	★	★	★	★	★	☆	3.0	.118	61	2.402	60.5	2.380	31	1.220	0.5	.021	



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CoroDrill® 862 solid carbide micro drill

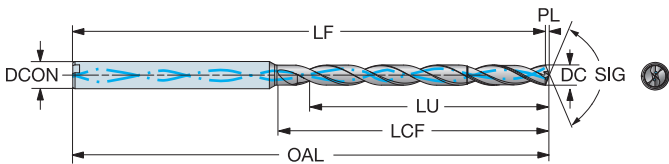
For multi-materials

Optimized,

Coated 12xD

Internal coolant supply

TCHA JS7
SIG 137°



							P	M	K	N	S	H	O	Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	XZBL	XZBL	XZBL	XZBL	XZBL	XZBL		DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
1.00	.039	12.0	.472	12	3	862.1-1000-120A1-GM	★	★	★	★	★	★	☆	3.0	.118	50	1.969	49.8	1.961	14	.551	0.2	.008
1.10	.043	13.2	.520	12	3	862.1-1100-132A1-GM	★	★	★	★	★	★	☆	3.0	.118	50	1.969	49.8	1.961	15	.610	0.2	.009
1.20	.047	14.4	.567	12	3	862.1-1200-144A1-GM	★	★	★	★	★	★	☆	3.0	.118	50	1.969	49.8	1.960	16	.650	0.2	.009
1.30	.051	15.6	.614	12	3	862.1-1300-156A1-GM	★	★	★	★	★	★	☆	3.0	.118	50	1.969	49.8	1.959	17	.689	0.3	.010
1.40	.055	16.8	.661	12	3	862.1-1400-168A1-GM	★	★	★	★	★	★	☆	3.0	.118	50	1.969	49.8	1.959	19	.748	0.3	.011
1.50	.059	18.0	.709	12	3	862.1-1500-180A1-GM	★	★	★	★	★	★	☆	3.0	.118	50	1.969	49.7	1.958	21	.827	0.3	.012
1.60	.063	19.2	.756	12	3	862.1-1600-192A1-GM	★	★	★	★	★	★	☆	3.0	.118	50	1.969	49.7	1.957	22	.886	0.3	.012
1.70	.067	20.4	.803	12	3	862.1-1700-204A1-GM	★	★	★	★	★	★	☆	3.0	.118	50	1.969	49.7	1.956	23	.925	0.3	.013
1.80	.071	21.6	.850	12	3	862.1-1800-216A1-GM	★	★	★	★	★	★	☆	3.0	.118	50	1.969	49.7	1.956	24	.965	0.4	.014
1.85	.073	21.6	.850	11	3	862.1-1850-216A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.7	2.152	24	.965	0.4	.014
1.90	.075	22.8	.898	12	3	862.1-1900-228A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.7	2.152	26	1.024	0.4	.015
1.98	.078	22.8	.898	11	3	862.1-1980-228A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.151	26	1.024	0.4	.015
2.00	.079	24.0	.945	12	3	862.1-2000-240A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.151	27	1.063	0.4	.016
2.05	.081	24.0	.945	11	3	862.1-2050-240A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.151	27	1.063	0.4	.016
2.08	.082	24.0	.945	11	3	862.1-2080-240A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.150	28	1.122	0.4	.016
2.10	.083	25.2	.992	12	3	862.1-2100-252A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.150	28	1.122	0.4	.017
2.15	.085	25.2	.992	11	3	862.1-2150-252A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.150	28	1.122	0.4	.017
2.18	.086	25.2	.992	11	3	862.1-2180-252A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.150	28	1.122	0.4	.017
2.20	.087	26.4	1.039	12	3	862.1-2200-264A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.150	29	1.161	0.4	.017
2.25	.089	26.4	1.039	11	3	862.1-2250-264A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.149	29	1.161	0.4	.017
2.26	.089	26.4	1.039	11	3	862.1-2260-264A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.149	33	1.299	0.4	.018
2.30	.091	27.6	1.087	12	3	862.1-2300-276A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.149	30	1.201	0.5	.018
2.38	.094	27.6	1.087	11	3	862.1-2380-276A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.148	30	1.201	0.5	.018
2.40	.094	28.8	1.134	12	3	862.1-2400-288A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.148	32	1.260	0.5	.019
2.44	.096	28.8	1.134	11	3	862.1-2440-288A1-GM	★	★	★	★	★	★	☆	3.0	.118	55	2.165	54.6	2.148	32	1.260	0.5	.019
2.50	.098	30.0	1.181	12	3	862.1-2500-300A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.6	2.344	33	1.299	0.5	.019
2.58	.102	30.0	1.181	11	3	862.1-2580-300A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.344	33	1.299	0.5	.020
2.60	.102	31.2	1.228	12	3	862.1-2600-312A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.344	34	1.358	0.5	.020
2.64	.104	31.2	1.228	11	3	862.1-2640-312A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.343	34	1.358	0.5	.020
2.70	.106	32.4	1.276	12	3	862.1-2700-324A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.343	35	1.398	0.5	.021
2.71	.107	32.4	1.276	11	3	862.1-2710-324A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.343	35	1.398	0.5	.021
2.80	.110	33.6	1.323	12	3	862.1-2800-336A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.342	36	1.437	0.6	.022
2.82	.111	33.6	1.323	11	3	862.1-2820-336A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.342	36	1.437	0.6	.022
2.87	.113	33.6	1.323	11	3	862.1-2870-336A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.342	36	1.437	0.6	.022
2.90	.114	34.8	1.370	12	3	862.1-2900-348A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.341	38	1.496	0.6	.022
2.95	.116	34.8	1.370	11	3	862.1-2950-348A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.341	38	1.496	0.6	.023
3.00	.118	36.0	1.417	12	3	862.1-3000-360A1-GM	★	★	★	★	★	★	☆	3.0	.118	60	2.362	59.5	2.341	40	1.575	0.6	.023

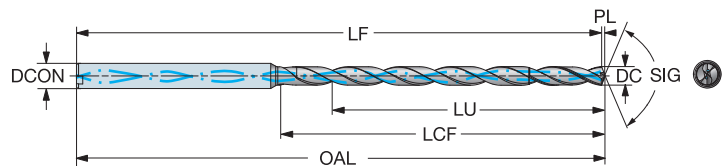
CoroDrill® 862 solid carbide micro drill

For multi-materials

Optimized

Coated 16xD

Internal coolant supply

TCHA JS7
SIG 137°

							P	M	K	N	S	H	O	Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	XZBL	XZBL	XZBL	XZBL	XZBL	XZBL	XZBL	DCON _{MS}	DCON _{MS} "	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL"
1.00	.039	16.0	.630	16	3	862.1-1000-160A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.8	2.552	18	.709	0.2	.008
1.10	.043	17.6	.693	16	3	862.1-1100-176A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.8	2.551	19	.768	0.2	.009
1.20	.047	19.2	.756	16	3	862.1-1200-192A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.8	2.550	21	.827	0.2	.009
1.30	.051	20.8	.819	16	3	862.1-1300-208A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.8	2.550	23	.906	0.3	.010
1.40	.055	22.4	.882	16	3	862.1-1400-224A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.8	2.549	24	.965	0.3	.011
1.50	.059	24.0	.945	16	3	862.1-1500-240A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.7	2.548	27	1.063	0.3	.012
1.60	.063	25.6	1.008	16	3	862.1-1600-256A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.7	2.548	28	1.122	0.3	.012
1.70	.067	27.2	1.071	16	3	862.1-1700-272A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.7	2.547	30	1.181	0.3	.013
1.80	.071	28.8	1.134	16	3	862.1-1800-288A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.7	2.546	32	1.260	0.4	.014
1.90	.075	30.4	1.197	16	3	862.1-1900-304A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.7	2.545	33	1.319	0.4	.015
2.00	.079	32.0	1.260	16	3	862.1-2000-320A1-GM	★	★	★	★	★	★	☆	3.0	.118	65	2.559	64.6	2.545	35	1.378	0.4	.016
2.10	.083	33.6	1.323	16	3	862.1-2100-336A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.6	3.213	36	1.437	0.4	.016
2.20	.087	35.2	1.386	16	3	862.1-2200-352A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.6	3.213	38	1.496	0.4	.017
2.30	.091	36.8	1.449	16	3	862.1-2300-368A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.6	3.212	40	1.575	0.5	.018
2.40	.094	38.4	1.512	16	3	862.1-2400-384A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.6	3.211	41	1.634	0.5	.019
2.50	.098	40.0	1.575	16	3	862.1-2500-400A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.6	3.211	43	1.693	0.5	.019
2.60	.102	41.6	1.638	16	3	862.1-2600-416A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.5	3.210	44	1.752	0.5	.020
2.70	.106	43.2	1.701	16	3	862.1-2700-432A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.5	3.209	46	1.811	0.5	.021
2.80	.110	44.8	1.764	16	3	862.1-2800-448A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.5	3.208	48	1.890	0.6	.022
2.90	.114	46.4	1.827	16	3	862.1-2900-464A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.5	3.207	49	1.949	0.6	.022
3.00	.118	48.0	1.890	16	3	862.1-3000-480A1-GM	★	★	★	★	★	★	☆	3.0	.118	82	3.228	81.5	3.207	52	2.047	0.6	.023



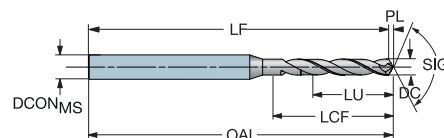
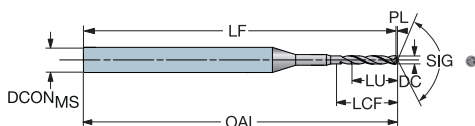
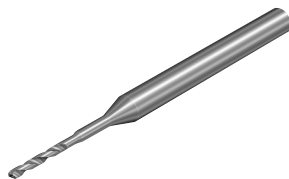
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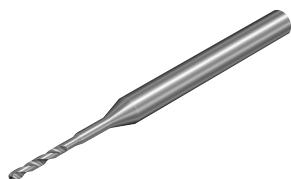
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External coolant supply

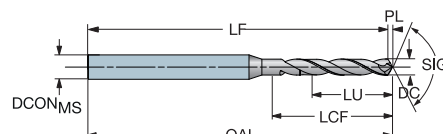
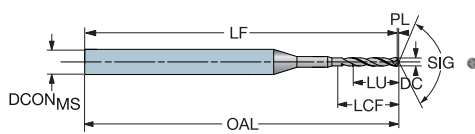
862.1..A0-GM X1DU (RR)
118°

C

For multi-materials
Optimized
5, 8 and 12xD
External coolant supply



862.1..A0-GM X1DU (RR)
118°



														N	S	O	Dimensions, mm, inch									
														XIDU	XIDU	XIDU										
DC	DC*	DC ₁	DC ₁ *	DC ₂	DC ₂ *	SDL ₁	SDL ₁ *	STA	LU	LU*	ULDR	CZC _{MS}	Ordering code				DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
1.90	.075								15.2	.598	8	3	862.1-1900-095A0-GM	★	★	★	3.0	.118	37	1.476	36.9	1.454	12	.504	0.6	.022
1.90	.075								22.8	.898	12	3	862.1-1900-152A0-GM	★	★	★	3.0	.118	50	1.969	49.4	1.946	18	.728	0.6	.022
1.90	.075								9.9	.390	5	3	862.1-1900-228A0-GM	★	★	★	3.0	.118	50	1.969	49.4	1.946	26	1.027	0.6	.022
1.98	.078								15.9	.626	8	3	862.1-1980-099A0-GM	★	★	★	3.0	.118	37	1.476	36.9	1.453	6	.264	0.6	.023
1.98	.078								23.8	.937	11	3	862.1-1980-158A0-GM	★	★	★	3.0	.118	50	1.969	49.4	1.945	9	.382	0.6	.023
1.98	.078								10.0	.394	5	3	862.1-1980-238A0-GM	★	★	★	3.0	.118	50	1.969	49.4	1.945	7	.291	0.6	.023
2.00	.079								16.0	.630	8	3	862.1-2000-100A0-GM	★	★	★	3.0	.118	37	1.476	36.9	1.453	13	.530	0.6	.024
2.00	.079								24.0	.945	12	3	862.1-2000-160A0-GM	★	★	★	3.0	.118	50	1.969	49.4	1.945	19	.766	0.6	.024
2.00	.079								10.5	.413	5	3	862.1-2000-240A0-GM	★	★	★	3.0	.118	50	1.969	49.4	1.945	27	1.081	0.6	.024
2.10	.083								16.8	.661	8	3	862.1-2100-105A0-GM	★	★	★	3.0	.118	37	1.476	36.9	1.452	14	.557	0.6	.025
2.10	.083								25.2	.992	12	3	862.1-2100-168A0-GM	★	★	★	3.0	.118	50	1.969	49.4	1.944	20	.805	0.6	.025
2.10	.083								11.0	.433	5	3	862.1-2100-252A0-GM	★	★	★	3.0	.118	50	1.969	49.4	1.944	28	1.135	0.6	.025
2.20	.087								17.6	.693	8	3	862.1-2200-110A0-GM	★	★	★	3.0	.118	37	1.476	36.8	1.450	14	.583	0.7	.026
2.20	.087								26.4	1.039	12	3	862.1-2200-176A0-GM	★	★	★	3.0	.118	50	1.969	49.3	1.942	21	.843	0.7	.026
2.20	.087								11.5	.453	5	3	862.1-2200-264A0-GM	★	★	★	3.0	.118	50	1.969	49.3	1.942	30	1.189	0.7	.026
2.30	.091								18.4	.724	8	3	862.1-2300-115A0-GM	★	★	★	3.0	.118	37	1.476	36.8	1.449	15	.609	0.7	.027
2.30	.091								27.6	1.087	12	3	862.1-2300-184A0-GM	★	★	★	3.0	.118	50	1.969	49.3	1.941	22	.881	0.7	.027
2.30	.091								11.9	.469	5	3	862.1-2300-276A0-GM	★	★	★	3.0	.118	62	2.461	61.8	2.433	31	1.243	0.7	.027
2.30	.091								19.1	.752	8	3	862.1-2380-119A0-GM	★	★	★	3.0	.118	37	1.476	36.8	1.448	10	.421	0.7	.028
2.38	.094								28.6	1.126	12	3	862.1-2380-190A0-GM	★	★	★	3.0	.118	50	1.969	49.3	1.940	15	.606	0.7	.028
2.38	.094								12.0	.472	5	3	862.1-2380-285A0-GM	★	★	★	3.0	.118	62	2.461	61.8	2.432	21	.858	0.7	.028
2.38	.094								19.2	.756	8	3	862.1-2400-120A0-GM	★	★	★	3.0	.118	37	1.476	36.8	1.448	16	.636	0.7	.028
2.40	.094								28.8	1.134	12	3	862.1-2400-192A0-GM	★	★	★	3.0	.118	50	1.969	49.3	1.940	23	.920	0.7	.028
2.40	.094								12.5	.492	5	3	862.1-2400-288A0-GM	★	★	★	3.0	.118	62	2.461	61.8	2.432	32	1.298	0.7	.028
2.40	.094								20.0	.787	8	3	862.1-2500-125A0-GM	★	★	★	3.0	.118	37	1.476	36.7	1.447	16	.663	0.8	.030
2.50	.098								30.0	1.181	12	3	862.1-2500-200A0-GM	★	★	★	3.0	.118	50	1.969	49.2	1.939	24	.958	0.8	.030
2.50	.098								13.0	.512	5	3	862.1-2500-300A0-GM	★	★	★	3.0	.118	62	2.461	61.7	2.431	34	1.352	0.8	.030
2.50	.098								20.8	.819	8	3	862.1-2600-130A0-GM	★	★	★	3.0	.118	37	1.476	36.7	1.446	17	.689	0.8	.031
2.60	.102								31.2	1.228	12	3	862.1-2600-208A0-GM	★	★	★	3.0	.118	50	1.969	49.2	1.938	25	.996	0.8	.031
2.60	.102								13.5	.531	5	3	862.1-2600-312A0-GM	★	★	★	3.0	.118	62	2.461	61.7	2.430	35	1.406	0.8	.031
2.60	.102								21.6	.850	8	3	862.1-2700-135A0-GM	★	★	★	3.0	.118	37	1.476	36.7	1.444	18	.716	0.8	.032
2.70	.106								32.4	1.276	12	3	862.1-2700-216A0-GM	★	★	★	3.0	.118	50	1.969	49.2	1.937	26	1.035	0.8	.032
2.70	.106								13.9	.547	5	3	862.1-2700-324A0-GM	★	★	★	3.0	.118	62	2.461	61.7	2.429	37	1.460	0.8	.032
2.70	.106								22.2	.874	8	3	862.1-2770-138A0-GM	★	★	★	3.0	.118	50	1.969	49.2	1.936	13	.528	0.8	.033
2.78	.109								33.3	1.311	11	3	862.1-2770-222A0-GM	★	★	★	3.0	.118	50	1.969	49.2	1.936	19	.760	0.8	.033
2.78	.109								14.0	.551	5	3	862.1-2770-333A0-GM	★	★	★	3.0	.118	62	2.461	61.7	2.428	27	1.071	0.8	.033
2.78	.109								22.4	.882	8	3	862.1-2800-140A0-GM	★	★	★	3.0	.118	50	1.969	49.2	1.935	18	.742	0.8	.033
2.80	.110								33.6	1.323	12	3	862.1-2800-224A0-GM	★	★	★	3.0	.118	50	1.969	49.2	1.935	27	1.073	0.8	.033
2.80	.110								14.5	.571	5	3	862.1-2800-336A0-GM	★	★	★	3.0	.118	62	2.461	61.7	2.428	38	1.514	0.8	.033
2.80	.110								23.2	.913	8	3	862.1-2900-145A0-GM	★	★	★	3.0	.118	50	1.969	49.1	1.934	19	.769	0.9	.034
2.90	.114								34.8	1.370	12	3	862.1-2900-232A0-GM	★	★	★	3.0	.118	50	1.969	49.1	1.934	28	1.111	0.9	.034
2.90	.114								15.0	.591	5	3	862.1-2900-348A0-GM	★	★	★	3.0	.118	62	2.461	61.6	2.426	39	1.568	0.9	.034
2.90	.114								24.0	.945	8	3	862.1-3000-150A0-GM	★	★	★	3.0	.118	50	1.969	49.1	1.933	20	.795	0.9	.035
3.00	.118								36.0	1.417	12	3	862.1-3000-240A0-GM	★	★	★	3.0	.118	50	1.969	49.1	1.933	29	1.150	0.9	.035
3.00	.118								36.0	1.417	12	3	862.1-3000-360A0-GM	★	★	★	3.0	.118	62	2.461	61.6	2.425	41	1.622	0.9	.035

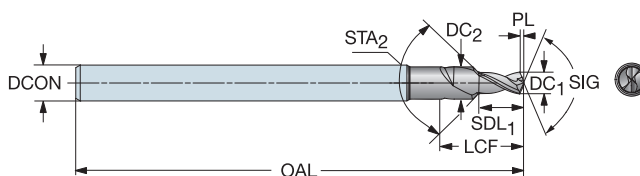
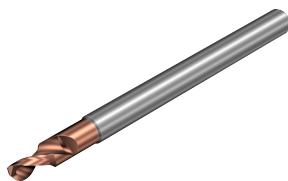
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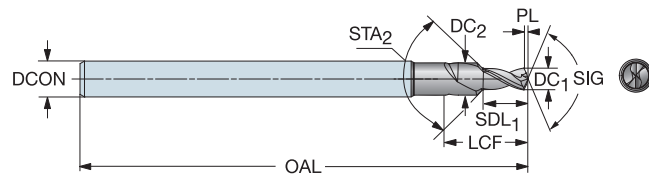
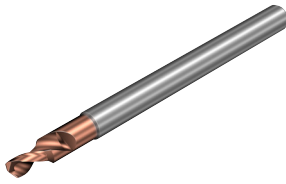
TCHA H8
SIG 140°

									P	M	K	N	S	H	O	Dimensions, mm, inch											
DC ₁	DC ₁ "	DC ₂	DC ₂ "	STA	LU	LU"	CZC _{MS}	Ordering code	X2BL	X2BL	X2BL	X2BL	X2BL	X2BL	X2BL	DCON _{MS}	DCON _{MS} "	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"		
0.30	.012	0.40	.016	90°	0.6	.024	4	862.2-0300-006A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.9	1.965	2	.098	0.1	.002		
0.35	.014	0.47	.019	90°	0.7	.028	4	862.2-0350-007A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.9	1.965	2	.098	0.1	.003		
0.40	.016	0.53	.021	90°	0.8	.031	4	862.2-0400-008A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.9	1.964	3	.118	0.1	.003		
0.45	.018	0.60	.024	90°	0.9	.035	4	862.2-0450-009A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.9	1.963	3	.118	0.1	.003		
0.50	.020	0.67	.026	90°	1.0	.039	4	862.2-0500-010A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.9	1.963	3	.138	0.1	.004		
0.55	.022	0.73	.029	90°	1.1	.043	4	862.2-0550-011A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.8	1.962	3	.138	0.1	.004		
0.60	.024	0.80	.031	90°	1.2	.047	4	862.2-0600-012A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.8	1.962	4	.169	0.1	.004		
0.65	.026	0.87	.034	90°	1.3	.051	4	862.2-0650-013A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.8	1.961	4	.169	0.1	.005		
0.70	.028	0.93	.037	90°	1.4	.055	4	862.2-0700-014A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.8	1.961	5	.209	0.1	.005		
0.75	.030	1.00	.039	90°	1.5	.059	4	862.2-0750-015A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.8	1.960	5	.209	0.1	.005		
0.80	.031	1.07	.042	90°	1.6	.063	4	862.2-0800-016A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.8	1.959	6	.236	0.1	.006		
0.85	.033	1.13	.044	90°	1.7	.067	4	862.2-0850-017A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.8	1.959	6	.236	0.2	.006		
0.90	.035	1.20	.047	90°	1.8	.071	4	862.2-0900-018A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.7	1.958	6	.236	0.2	.006		
0.95	.037	1.27	.050	90°	1.9	.075	4	862.2-0950-019A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.7	1.958	6	.236	0.2	.007		
1.00	.039	1.33	.052	90°	2.0	.079	4	862.2-1000-020A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.7	1.957	7	.276	0.2	.007		
1.05	.041	1.40	.055	90°	2.0	.079	4	862.2-1050-020A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.7	1.957	7	.276	0.2	.008		
1.10	.043	1.47	.058	90°	2.2	.087	4	862.2-1100-022A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.7	1.956	7	.276	0.2	.008		
1.15	.045	1.53	.060	90°	2.0	.079	4	862.2-1150-020A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.7	1.956	7	.276	0.2	.008		
1.20	.047	1.60	.063	90°	2.4	.094	4	862.2-1200-024A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.7	1.955	7	.276	0.2	.009		
1.25	.049	1.67	.066	90°	2.4	.094	4	862.2-1250-024A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.6	1.954	7	.276	0.2	.009		
1.30	.051	1.73	.068	90°	2.6	.102	4	862.2-1300-026A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.6	1.954	8	.315	0.2	.009		
1.35	.053	1.80	.071	90°	2.6	.102	4	862.2-1350-026A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.6	1.953	8	.315	0.2	.010		
1.40	.055	1.87	.074	90°	2.8	.110	4	862.2-1400-028A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.6	1.953	8	.315	0.3	.010		
1.45	.057	1.93	.076	90°	2.8	.110	4	862.2-1450-028A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.6	1.952	8	.315	0.3	.010		
1.50	.059	2.00	.079	90°	3.0	.118	4	862.2-1500-030A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.6	1.952	9	.354	0.3	.011		
1.55	.061	2.07	.081	90°	3.0	.118	4	862.2-1550-030A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.6	1.951	9	.354	0.3	.011		
1.60	.063	2.13	.084	90°	3.2	.126	4	862.2-1600-032A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.5	1.950	9	.354	0.3	.011		
1.65	.065	2.20	.087	90°	3.2	.126	4	862.2-1650-032A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.5	1.950	9	.354	0.3	.012		
1.70	.067	2.27	.089	90°	3.4	.134	4	862.2-1700-034A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.5	1.949	9	.374	0.3	.012		
1.75	.069	2.33	.092	90°	3.4	.134	4	862.2-1750-034A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.5	1.948	9	.374	0.3	.013		
1.80	.071	2.40	.094	90°	3.6	.142	4	862.2-1800-036A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.5	1.948	9	.374	0.3	.013		
1.85	.073	2.47	.097	90°	3.7	.146	4	862.2-1850-037A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.5	1.948	10	.402	0.3	.013		
1.90	.075	2.53	.100	90°	3.8	.150	4	862.2-1900-038A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.5	1.947	10	.402	0.3	.014		
1.95	.077	2.60	.102	90°	3.8	.150	4	862.2-1950-038A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.946	10	.402	0.4	.014		
1.98	.078	2.64	.104	90°	3.8	.150	4	862.2-1980-038A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.946	10	.402	0.4	.014		
2.00	.079	2.67	.105	90°	4.0	.157	4	862.2-2000-040A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.946	10	.402	0.4	.014		
2.05	.081	2.73	.107	90°	4.1	.161	4	862.2-2050-041A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.945	11	.433	0.4	.015		
2.08	.082	2.77	.109	90°	4.0	.157	4	862.2-2080-040A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.945	11	.433	0.4	.015		
2.10	.083	2.80	.110	90°	4.2	.165	4	862.2-2100-042A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.944	11	.433	0.4	.015		
2.15	.085	2.87	.113	90°	4.3	.169	4	862.2-2150-043A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.944	11	.433	0.4	.015		
2.18	.086	2.91	.115	90°	4.1	.161	4	862.2-2180-041A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.944	11	.433	0.4	.016		
2.20	.087	2.93	.115	90°	4.4	.173	4	862.2-2200-044A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.943	11	.433	0.4	.016		
2.25	.089	3.00	.118	90°	4.5	.177	4	862.2-2250-045A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.943	12	.472	0.4	.016		
2.26	.089	3.01	.119	90°	4.5	.177	4	862.2-2260-045A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.4	1.943	12	.472	0.4	.016		
2.30	.091	3.07	.121	90°	4.6	.181	4	862.2-2300-046A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.943	12	.472	0.4	.016		
2.35	.093	3.13	.123	90°	4.6	.181	4	862.2-2350-046A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.942	12	.472	0.4	.017		
2.38	.094	3.17	.125	90°	4.6	.181	4	862.2-2380-046A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.941	12	.472	0.4	.017		
2.40	.094	3.20	.126	90°	4.8	.189	4	862.2-2400-048A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.941	12	.472	0.4	.017		
2.44	.096	3.25	.128	90°	4.8	.189	4	862.2-2440-048A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.941	12	.472	0.4	.017		
2.45	.096	3.27	.129	90°	4.8	.189	4	862.2-2450-048A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.941	12	.472	0.4	.018		
2.50	.098	3.33	.131	90°	5.0	.197	4	862.2-2500-050A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.940	12	.500	0.5	.018		
2.55	.100	3.40	.134	90°	5.0	.197	4	862.2-2550-050A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.939	12	.500	0.5	.018		

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									P	M	K	N	S	H	O	Dimensions, mm, inch										
DC ₁	DC ₁ ⁺	DC ₂	DC ₂ ⁺	STA	LU	LU ⁺	CZC _{MS}	Ordering code	X2BL	X2BL	X2BL	X2BL	X2BL	X2BL		DCON _{MS}	DCON _{MS} ⁺	OAL	OAL ⁺	LF	LF ⁺	LCF	LCF ⁺	PL	PL ⁺	
2.58	.102	3.44	.135	90°	5.0	.197	4	862.2-2580-050A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.939	12	.500	0.5	.018	
2.60	.102	3.47	.137	90°	5.2	.205	4	862.2-2600-052A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.3	1.939	12	.500	0.5	.019	
2.64	.104	3.50	.138	90°	5.2	.205	4	862.2-2640-052A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.939	12	.500	0.5	.019	
2.65	.104	3.53	.139	90°	5.2	.205	4	862.2-2650-052A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.939	12	.500	0.5	.019	
2.70	.106	3.60	.142	90°	5.4	.213	4	862.2-2700-054A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.938	13	.531	0.5	.019	
2.71	.107	3.61	.142	90°	5.4	.213	4	862.2-2710-054A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.938	13	.531	0.5	.019	
2.75	.108	3.67	.144	90°	5.4	.213	4	862.2-2750-054A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.937	13	.531	0.5	.020	
2.80	.110	3.73	.147	90°	5.6	.220	4	862.2-2800-056A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.937	13	.531	0.5	.020	
2.82	.111	3.76	.148	90°	5.6	.220	4	862.2-2820-056A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.937	13	.531	0.5	.020	
2.85	.112	3.80	.150	90°	5.6	.220	4	862.2-2850-056A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.936	13	.531	0.5	.020	
2.87	.113	3.83	.151	90°	5.6	.220	4	862.2-2870-056A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.936	13	.531	0.5	.021	
2.90	.114	3.87	.152	90°	5.8	.228	4	862.2-2900-058A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.935	14	.551	0.5	.021	
2.95	.116	3.93	.155	90°	5.9	.232	4	862.2-2950-059A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.2	1.935	14	.551	0.5	.021	
3.00	.118	4.00	.157	90°	6.0	.236	4	862.2-3000-060A0-GP	★	★	★	★	★	★	☆	4.0	.157	50	1.969	49.1	1.934	14	.551	0.5	.021	



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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?

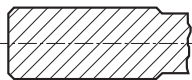
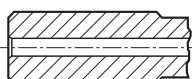
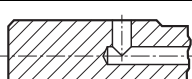
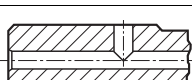
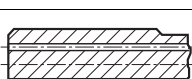
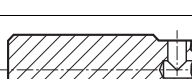
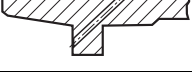
Basically, it means that your systems can talk to ours, as they all speak the same language. Download product data from our web site and use it directly in your CAD/CAM software to assemble tools that you use in production. No need to look for information in catalogues and interpret data from one system 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
CBMD	Chip breaker manufacturer
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 _{BALL}	Cutting item count - Ball nose insert
CICT _E	Cutting item count - end position
CICT _P	Cutting item count - peripheral position
CICT _S	Cutting item count - side position
CICT _{SP}	Cutting item count - Shank protection insert
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

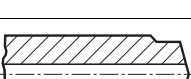
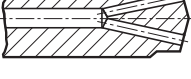
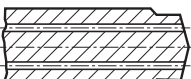
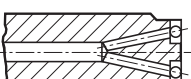
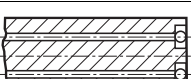
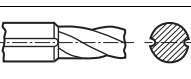
DAXX	Axial groove outside diameter maximum
DBC	Diameter bolt circle
DC	Cutting diameter
DCB	Connection bore diameter
DCBN	Connection bore diameter minimum
DCBX	Connection bore diameter maximum
DCF	Cutting diameter face contact
DCIN	Cutting diameter internal
DCN	Cutting diameter minimum
DCON	Connection diameter
DCON _{MS}	Connection diameter machine side
DCON _{WS}	Connection diameter workpiece side
DCONN _{WS}	Connection diameter minimum workpiece side
DCONX _{WS}	Connection diameter maximum 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
GB	Face land angle
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
HSUP	Support height
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	Corner radius equivalent
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
STDNO	Standard number
SUBSTRATE	Substrate
TCDC	Tolerance class cutting diameter
TCDCON	Connection diameter tolerance
TCDDMM	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
ZADJ	Insert adjustable count
ZEFF	Face effective cutting edge count
ZEFP	Peripheral effective cutting edge count (ZEFP)
ZWX	Maximum number of Wiper inserts

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	

Safety information in connection with grinding of cemented carbide

Material composition

Most metal products contain tungsten carbide and cobalt. Other substances that may be present in hard metal are titanium carbide, tantalum carbide, niobium carbide, chromium carbide, molybdenum carbide or vanadium carbide. Some grades contain titanium carbonitride and/or nickel.

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 (CRC) now!

B

The Sandvik Coromant Recycling Concept (CRC) 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 of the CRC speak 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.

C



D

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.

E

Collection box:

Transport box for solid carbide tools (plywood):

Transport box inserts (plywood):

Order numbers

91617

92994

92995