
Supplement



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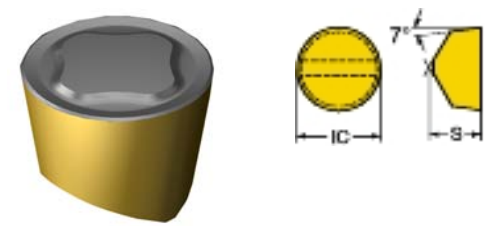
General turning

T-Max® insert for turning 3

ENG

T-Max® insert for turning

R-style insert (Round)



		S	RE	ISO CODE	S	
Finishing	06	6.35	3.2	RCGX 06 06 00-SF	★	
	09	7.94	4.8	RCGX 09 07 00-SF	★	
Medium	06	6.35	3.2	RCMX 06 06 00-SM	★	
	09	7.94	4.8	RCMX 09 07 00-SM	★	
	12	7.94	6.4	RCMX 12 07 00-SM	★	

Milling

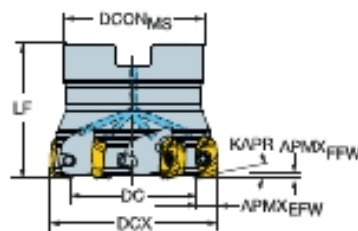
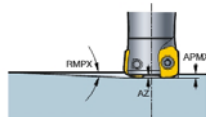
CoroMill® MH20 high-feed milling cutter

CoroMill® MH20 high-feed milling cutter

Arbor - Internal coolant supply

KAPR

15°



Metric version

											Dimensions, mm							
DCX	DC	SSC	CZC _{MS}	APMX _{EFW}	APMX _{FFW}	RMPX	AZ	CNSC			Ordering code	DCON _{MS}	ISO	LF			RPMX	MIID
40.0	29.3	08	16	5.3	1.20	2.50°	0.9	1		4	MH20-R040Q16-08M	16.0	A	40.0	2.0	0.19	16500	MH20-080425..
	29.3	08	16	5.3	1.20	2.50°	0.9	1	5		MH20-R040Q16-08H	16.0	A	40.0	2.0	0.18	16500	MH20-080425..
50.0	39.3	08	22	5.3	1.20	1.70°	0.9	1		5	MH20-R050Q22-08M	22.0	A	40.0	2.0	0.30	14800	MH20-080425..
	39.3	08	22	5.3	1.20	1.70°	0.9	1	6		MH20-R050Q22-08H	22.0	A	40.0	2.0	0.29	14800	MH20-080425..

Inch version

												Dimensions, inch								
DCX	DC	SSC	CZC _{MS}	APMX _{EFW}	APMX _{FFW}	RMPX	AZ	CNSC			Ordering code	DCON _{MS}	ISO	LF			RPMX	MIID		
2.000	1.581	08	3/4	.209	.047	1.70°	.035	1		5	MH20-AR051R19-08M	.750	A	1.575	1.4	0.71	14700	MH20-080425..		
	1.581	08	3/4	.209	.047	1.70°	.035	1		6	MH20-AR051R19-08H	.750	A	1.575	1.4	0.69	14700	MH20-080425..		

	Spare parts
SSC	Insert screw
08	5513 020-64

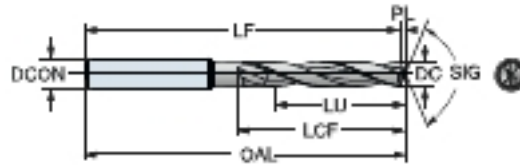
Drilling

CoroDrill® 860 solid carbide drill	7
CoroDrill® 860 solid carbide step and chamfer drill	20

CoroDrill® 860 solid carbide drill

For steel

External coolant supply

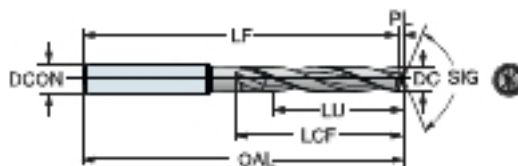
TCHA H8
SIG 147°

								P	Dimensions, mm, inch									
								P										
DC	DC"	LU	LU"	ULDR	CZC _{MS}	Ordering code	P	PTBM	DCON _{MS}	DCON _{MS} "	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"
3.000	.118	9.5	.374	3	6	860.1-0300-016A0-PM	★		6.0	.236	62	2.441	61.5	2.421	20.0	.787	0.4	.017
3.000	.118	15.5	.610	5	6	860.1-0300-021A0-PM	★		6.0	.236	66	2.598	65.5	2.579	28.0	1.102	0.4	.017
3.100	.122	9.8	.386	3	6	860.1-0310-016A0-PM	★		6.0	.236	62	2.441	61.5	2.421	20.0	.787	0.5	.018
3.100	.122	16.0	.630	5	6	860.1-0310-021A0-PM	★		6.0	.236	66	2.598	65.5	2.579	28.0	1.102	0.5	.018
3.200	.126	10.1	.398	3	6	860.1-0320-016A0-PM	★		6.0	.236	62	2.441	61.5	2.421	20.0	.787	0.5	.019
3.200	.126	16.5	.650	5	6	860.1-0320-021A0-PM	★		6.0	.236	66	2.598	65.5	2.579	28.0	1.102	0.5	.019
3.300	.130	10.5	.413	3	6	860.1-0330-016A0-PM	★		6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.019
3.300	.130	17.1	.673	5	6	860.1-0330-021A0-PM	★		6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.019
3.380	.133	17.5	.689	5	6	860.1-0338-021A0-PM	★		6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.020
3.400	.134	10.8	.425	3	6	860.1-0340-016A0-PM	★		6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.020
3.400	.134	17.6	.693	5	6	860.1-0340-021A0-PM	★		6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.020
3.500	.138	11.1	.437	3	6	860.1-0350-016A0-PM	★		6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.020
3.500	.138	18.1	.713	5	6	860.1-0350-021A0-PM	★		6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.020
3.600	.142	11.4	.449	3	6	860.1-0360-016A0-PM	★		6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.021
3.600	.142	18.6	.732	5	6	860.1-0360-021A0-PM	★		6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.021
3.700	.146	11.7	.461	3	6	860.1-0370-016A0-PM	★		6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.022
3.700	.146	19.1	.752	5	6	860.1-0370-021A0-PM	★		6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.022
3.800	.150	12.1	.476	3	6	860.1-0380-018A0-PM	★		6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.022
3.800	.150	19.7	.776	5	6	860.1-0380-027A0-PM	★		6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.022
3.900	.154	12.4	.488	3	6	860.1-0390-018A0-PM	★		6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.023
3.900	.154	20.2	.795	5	6	860.1-0390-027A0-PM	★		6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.023
4.000	.157	12.7	.500	3	6	860.1-0400-018A0-PM	★		6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.023
4.000	.157	20.7	.815	5	6	860.1-0400-027A0-PM	★		6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.023
4.100	.161	13.0	.512	3	6	860.1-0410-018A0-PM	★		6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.024
4.100	.161	21.2	.835	5	6	860.1-0410-027A0-PM	★		6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.024
4.200	.165	13.3	.524	3	6	860.1-0420-018A0-PM	★		6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.024
4.200	.165	21.7	.854	5	6	860.1-0420-027A0-PM	★		6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.024
4.300	.169	13.7	.539	3	6	860.1-0430-018A0-PM	★		6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.6	.025
4.300	.169	22.3	.878	5	6	860.1-0430-027A0-PM	★		6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.6	.025
4.400	.173	14.0	.551	3	6	860.1-0440-018A0-PM	★		6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.7	.026
4.400	.173	22.8	.898	5	6	860.1-0440-027A0-PM	★		6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.026
4.500	.177	14.3	.563	3	6	860.1-0450-018A0-PM	★		6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.7	.026
4.500	.177	23.3	.917	5	6	860.1-0450-027A0-PM	★		6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.026
4.550	.179	23.5	.925	5	6	860.1-0455-027A0-PM	★		6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.027
4.600	.181	14.6	.575	3	6	860.1-0460-018A0-PM	★		6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.7	.027
4.600	.181	23.8	.937	5	6	860.1-0460-027A0-PM	★		6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.027
4.700	.185	14.6	.575	3	6	860.1-0470-018A0-PM	★		6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.7	.027
4.700	.185	24.3	.957	5	6	860.1-0470-027A0-PM	★		6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.027
4.800	.189	15.2	.598	3	6	860.1-0480-019A0-PM	★		6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.7	.028
4.800	.189	24.8	.976	5	6	860.1-0480-037A0-PM	★		6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.7	.028
4.900	.193	15.5	.610	3	6	860.1-0490-019A0-PM	★		6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.7	.029
4.900	.193	25.3	.996	5	6	860.1-0490-037A0-PM	★		6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.7	.029
5.000	.197	15.8	.622	3	6	860.1-0500-019A0-PM	★		6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.7	.029
5.000	.197	25.8	1.016	5	6	860.1-0500-037A0-PM	★		6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.7	.029
5.100	.201	16.1	.634	3	6	860.1-0510-019A0-PM	★		6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.8	.030
5.100	.201	26.3	1.035	5	6	860.1-0510-037A0-PM	★		6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.030
5.200	.205	16.4	.646	3	6	860.1-0520-019A0-PM	★		6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.8	.030
5.200	.205	26.8	1.055	5	6	860.1-0520-037A0-PM	★		6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.030
5.300	.209	16.7	.657	3	6	860.1-0530-019A0-PM	★		6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.8	.031
5.300	.209	27.3	1.075	5	6	860.1-0530-037A0-PM	★		6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.031
5.400	.213	17.0	.669	3	6	860.1-0540-019A0-PM	★		6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.8	.031
5.400	.213	27.8	1.094	5	6	860.1-0540-037A0-PM	★		6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.031
5.500	.217	17.4	.685	3	6	860.1-0550-019A0-PM	★		6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.8	.032
5.500	.217	28.4	1.118	5	6	860.1-0550-037A0-PM	★		6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.8	.032
5.600	.220	17.7	.697	3	6	860.1-0560-019A0-PM	★		6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.8	.033
5.600	.220	28.9	1.138	5	6	860.1-0560-037A0-PM	★		6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.8	.033

CoroDrill® 860 solid carbide drill

For steel

External coolant supply

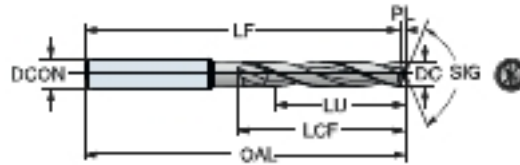
TCHA H8
SIG 147°

						P/BM	p Dimensions, mm, inch													
DC	DC*	LU	LU*	ULDR	CZC _{MS}		Ordering code	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*			
5.700	.224	17.7	.697	3	6	860.1-0570-019A0-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.8	.033			
5.700	.224	29.4	1.157	5	6	860.1-0570-037A0-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.8	.033			
5.800	.228	17.6	.693	3	6	860.1-0580-019A0-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.9	.034			
5.800	.228	29.9	1.177	5	6	860.1-0580-037A0-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.9	.034			
5.900	.232	17.4	.685	2	6	860.1-0590-019A0-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.9	.034			
5.900	.232	30.4	1.197	5	6	860.1-0590-037A0-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.9	.034			
6.000	.236	18.9	.744	3	6	860.1-0600-019A0-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.9	.035			
6.000	.236	30.9	1.217	5	6	860.1-0600-037A0-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.9	.035			
6.100	.240	19.3	.760	3	8	860.1-0610-024A0-PM	★	8.0	.315	79	3.110	78.0	3.071	34.0	1.339	0.9	.036			
6.100	.240	31.5	1.240	5	8	860.1-0610-040A0-PM	★	8.0	.315	91	3.583	90.0	3.543	53.0	2.087	0.9	.036			
6.200	.244	19.6	.772	3	8	860.1-0620-024A0-PM	★	8.0	.315	79	3.110	78.0	3.071	34.0	1.339	0.9	.036			
6.200	.244	32.0	1.260	5	8	860.1-0620-040A0-PM	★	8.0	.315	91	3.583	90.0	3.543	53.0	2.087	0.9	.036			
6.300	.248	19.9	.783	3	8	860.1-0630-024A0-PM	★	8.0	.315	79	3.110	78.0	3.071	34.0	1.339	0.9	.037			
6.300	.248	32.5	1.280	5	8	860.1-0630-040A0-PM	★	8.0	.315	91	3.583	90.0	3.543	53.0	2.087	0.9	.037			
6.400	.252	20.2	.795	3	8	860.1-0640-024A0-PM	★	8.0	.315	79	3.110	78.0	3.071	34.0	1.339	0.9	.037			
6.400	.252	33.0	1.299	5	8	860.1-0640-040A0-PM	★	8.0	.315	91	3.583	90.0	3.543	53.0	2.087	0.9	.037			
6.500	.256	20.6	.811	3	8	860.1-0650-024A0-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.038			
6.500	.256	33.6	1.323	5	8	860.1-0650-040A0-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.038			
6.600	.260	20.9	.823	3	8	860.1-0660-024A0-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.038			
6.600	.260	34.1	1.343	5	8	860.1-0660-040A0-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.038			
6.700	.264	21.2	.835	3	8	860.1-0670-024A0-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.039			
6.700	.264	34.6	1.362	5	8	860.1-0670-040A0-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.039			
6.800	.268	21.5	.846	3	8	860.1-0680-024A0-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.040			
6.800	.268	35.1	1.382	5	8	860.1-0680-040A0-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.040			
6.900	.272	21.8	.858	3	8	860.1-0690-024A0-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.040			
6.900	.272	35.6	1.402	5	8	860.1-0690-040A0-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.040			
7.000	.276	22.1	.870	3	8	860.1-0700-024A0-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.041			
7.000	.276	36.1	1.421	5	8	860.1-0700-040A0-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.041			
7.100	.280	22.4	.882	3	8	860.1-0710-028A0-PM	★	8.0	.315	79	3.110	77.9	3.067	41.0	1.614	1.1	.041			
7.100	.280	36.6	1.441	5	8	860.1-0710-040A0-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.1	.041			
7.200	.283	22.8	.898	3	8	860.1-0720-028A0-PM	★	8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.042			
7.200	.283	37.2	1.465	5	8	860.1-0720-040A0-PM	★	8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.042			
7.300	.287	23.1	.909	3	8	860.1-0730-028A0-PM	★	8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.043			
7.300	.287	37.7	1.484	5	8	860.1-0730-040A0-PM	★	8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.043			
7.400	.291	23.4	.921	3	8	860.1-0740-028A0-PM	★	8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.043			
7.400	.291	38.2	1.504	5	8	860.1-0740-040A0-PM	★	8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.043			
7.500	.295	23.7	.933	3	8	860.1-0750-028A0-PM	★	8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.044			
7.500	.295	38.7	1.524	5	8	860.1-0750-040A0-PM	★	8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.044			
7.600	.299	24.0	.945	3	8	860.1-0760-028A0-PM	★	8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.044			
7.700	.303	24.3	.957	3	8	860.1-0770-028A0-PM	★	8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.045			
7.700	.303	39.7	1.563	5	8	860.1-0770-040A0-PM	★	8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.045			
7.800	.307	24.7	.972	3	8	860.1-0780-028A0-PM	★	8.0	.315	79	3.110	77.7	3.059	41.0	1.614	1.2	.045			
7.800	.307	40.0	1.575	5	8	860.1-0780-040A0-PM	★	8.0	.315	91	3.583	89.7	3.532	53.0	2.087	1.2	.045			
7.900	.311	25.0	.984	3	8	860.1-0790-028A0-PM	★	8.0	.315	79	3.110	77.7	3.059	41.0	1.614	1.2	.046			
7.900	.311	40.0	1.575	5	8	860.1-0790-040A0-PM	★	8.0	.315	91	3.583	89.7	3.532	53.0	2.087	1.2	.046			
8.000	.315	25.3	.996	3	8	860.1-0800-028A0-PM	★	8.0	.315	79	3.110	77.7	3.059	41.0	1.614	1.2	.047			
8.000	.315	40.0	1.575	5	8	860.1-0800-040A0-PM	★	8.0	.315	91	3.583	89.7	3.532	53.0	2.087	1.2	.047			

CoroDrill® 860 solid carbide drill

For steel

External coolant supply

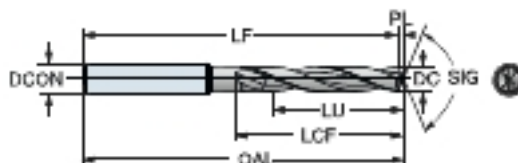
TCHA H8
SIG 147°

										p Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZG _{MS}	Ordering code	P	P/BM		DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
8.100	.319	25.6	1.008	3	10	860.1-0810-031A0-PM	★			10.0	.394	89	3.504	87.7	3.453	47.0	1.850	1.2	.047
8.100	.319	41.8	1.646	5	10	860.1-0810-045A0-PM	★			10.0	.394	103	4.055	101.7	4.004	61.0	2.402	1.2	.047
8.200	.323	25.9	1.020	3	10	860.1-0820-031A0-PM	★			10.0	.394	89	3.504	87.7	3.453	47.0	1.850	1.2	.048
8.200	.323	42.3	1.665	5	10	860.1-0820-045A0-PM	★			10.0	.394	103	4.055	101.7	4.004	61.0	2.402	1.2	.048
8.300	.327	26.3	1.035	3	10	860.1-0830-031A0-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.2	.048
8.300	.327	42.9	1.689	5	10	860.1-0830-045A0-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.2	.048
8.400	.331	26.6	1.047	3	10	860.1-0840-031A0-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.2	.049
8.400	.331	43.4	1.709	5	10	860.1-0840-045A0-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.2	.049
8.500	.335	26.9	1.059	3	10	860.1-0850-031A0-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.050
8.500	.335	43.9	1.728	5	10	860.1-0850-045A0-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.050
8.600	.339	27.2	1.071	3	10	860.1-0860-031A0-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.050
8.600	.339	44.4	1.748	5	10	860.1-0860-045A0-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.050
8.700	.343	27.5	1.083	3	10	860.1-0870-031A0-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.051
8.700	.343	44.9	1.768	5	10	860.1-0870-045A0-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.051
8.800	.346	27.8	1.094	3	10	860.1-0880-031A0-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.051
8.800	.346	45.0	1.772	5	10	860.1-0880-045A0-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.051
9.000	.354	28.5	1.122	3	10	860.1-0900-031A0-PM	★			10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.3	.052
9.000	.354	45.0	1.772	5	10	860.1-0900-045A0-PM	★			10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.3	.052
9.100	.358	28.8	1.134	3	10	860.1-0910-031A0-PM	★			10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.3	.053
9.200	.362	29.1	1.146	3	10	860.1-0920-031A0-PM	★			10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.054
9.200	.362	45.0	1.772	4	10	860.1-0920-045A0-PM	★			10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.054
9.300	.366	29.4	1.157	3	10	860.1-0930-031A0-PM	★			10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.054
9.300	.366	45.0	1.772	4	10	860.1-0930-045A0-PM	★			10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.054
9.400	.370	29.7	1.169	3	10	860.1-0940-031A0-PM	★			10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.055
9.500	.374	30.0	1.181	3	10	860.1-0950-031A0-PM	★			10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.055
9.500	.374	45.0	1.772	4	10	860.1-0950-045A0-PM	★			10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.055
9.600	.378	30.3	1.193	3	10	860.1-0960-031A0-PM	★			10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.056
9.600	.378	45.0	1.772	4	10	860.1-0960-045A0-PM	★			10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.056
9.700	.382	30.7	1.209	3	10	860.1-0970-031A0-PM	★			10.0	.394	89	3.504	87.4	3.441	47.0	1.850	1.4	.057
9.700	.382	45.0	1.772	4	10	860.1-0970-045A0-PM	★			10.0	.394	103	4.055	101.4	3.992	61.0	2.402	1.4	.057
9.800	.386	31.0	1.220	3	10	860.1-0980-031A0-PM	★			10.0	.394	89	3.504	87.4	3.441	47.0	1.850	1.5	.057
9.800	.386	45.0	1.772	4	10	860.1-0980-045A0-PM	★			10.0	.394	103	4.055	101.4	3.992	61.0	2.402	1.5	.057
9.900	.390	31.0	1.220	3	10	860.1-0990-031A0-PM	★			10.0	.394	89	3.504	87.4	3.441	47.0	1.850	1.5	.058
9.900	.390	45.0	1.772	4	10	860.1-0990-045A0-PM	★			10.0	.394	103	4.055	101.4	3.992	61.0	2.402	1.5	.058
10.00	.394	31.0	1.220	3	10	860.1-1000-031A0-PM	★			10.0	.394	89	3.504	87.4	3.441	47.0	1.850	1.5	.058
10.00	.394	45.0	1.772	4	10	860.1-1000-045A0-PM	★			10.0	.394	103	4.055	101.4	3.992	61.0	2.402	1.5	.058
10.10	.398	31.9	1.256	3	12	860.1-1010-037A0-PM	★			12.0	.472	102	4.016	100.4	3.953	55.0	2.165	1.5	.059
10.10	.398	52.1	2.051	5	12	860.1-1010-053A0-PM	★			12.0	.472	118	4.646	116.4	4.583	71.0	2.795	1.5	.059
10.20	.402	32.3	1.272	3	12	860.1-1020-037A0-PM	★			12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.5	.059
10.20	.402	52.7	2.075	5	12	860.1-1020-053A0-PM	★			12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.5	.059
10.30	.406	32.6	1.283	3	12	860.1-1030-037A0-PM	★			12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.5	.060
10.30	.406	53.0	2.087	5	12	860.1-1030-053A0-PM	★			12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.5	.060
10.40	.409	32.9	1.295	3	12	860.1-1040-037A0-PM	★			12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.5	.061
10.40	.409	53.0	2.087	5	12	860.1-1040-053A0-PM	★			12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.5	.061
10.50	.413	33.2	1.307	3	12	860.1-1050-037A0-PM	★			12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.6	.061
10.50	.413	53.0	2.087	5	12	860.1-1050-053A0-PM	★			12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.6	.061
10.60	.417	33.5	1.319	3	12	860.1-1060-037A0-PM	★			12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.6	.062
10.60	.417	53.0	2.087	5	12	860.1-1060-053A0-PM	★			12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.6	.062
10.70	.421	33.8	1.331	3	12	860.1-1070-037A0-PM	★			12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.6	.062
10.70	.421	53.0	2.087	4	12	860.1-1070-053A0-PM	★			12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.6	.062
10.80	.425	34.2	1.346	3	12	860.1-1080-037A0-PM	★			12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.6	.063
10.80	.425	53.0	2.087	4	12	860.1-1080-053A0-PM	★			12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.6	.063
10.90	.429	34.5	1.358	3	12	860.1-1090-037A0-PM	★			12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.6	.064
11.00	.433	34.8	1.370	3	12	860.1-1100-037A0-PM	★			12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.6	.064
11.00	.433	53.0	2.087	4	12	860.1-1100-053A0-PM	★			12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.6	.064

CoroDrill® 860 solid carbide drill

For steel

External coolant supply

TCHA H8
SIG 147°

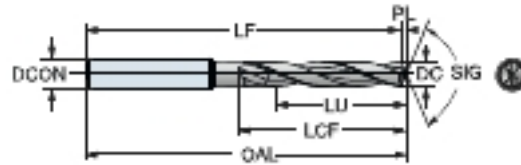
										p Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	P/BM	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*		
11.10	.437	35.1	1.382	3	12	860.1-1110-037A0-PM	★	12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.6	.065		
11.10	.437	53.0	2.087	4	12	860.1-1110-053A0-PM	★	12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.6	.065		
11.20	.441	35.4	1.394	3	12	860.1-1120-037A0-PM	★	12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.7	.065		
11.20	.441	53.0	2.087	4	12	860.1-1120-053A0-PM	★	12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.7	.065		
11.50	.453	36.4	1.433	3	12	860.1-1150-037A0-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.067		
11.50	.453	53.0	2.087	4	12	860.1-1150-053A0-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.7	.067		
11.60	.457	36.7	1.445	3	12	860.1-1160-037A0-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.068		
11.70	.461	37.0	1.457	3	12	860.1-1170-037A0-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.068		
11.70	.461	53.0	2.087	4	12	860.1-1170-053A0-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.7	.068		
11.80	.465	37.0	1.457	3	12	860.1-1180-037A0-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.069		
11.80	.465	53.0	2.087	4	12	860.1-1180-053A0-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.7	.069		
12.00	.472	37.0	1.457	3	12	860.1-1200-037A0-PM	★	12.0	.472	102	4.016	100.0	3.937	55.0	2.165	1.8	.070		
12.00	.472	53.0	2.087	4	12	860.1-1200-053A0-PM	★	12.0	.472	118	4.646	116.0	4.567	71.0	2.795	1.8	.070		
12.10	.476	38.3	1.508	3	14	860.1-1210-040A0-PM	★	14.0	.551	107	4.213	105.0	4.134	60.0	2.362	1.8	.071		
12.10	.476	57.0	2.244	4	14	860.1-1210-057A0-PM	★	14.0	.551	124	4.882	122.0	4.803	77.0	3.032	1.8	.071		
12.20	.480	38.6	1.520	3	14	860.1-1220-040A0-PM	★	14.0	.551	107	4.213	105.0	4.134	60.0	2.362	1.8	.071		
12.20	.480	57.0	2.244	4	14	860.1-1220-057A0-PM	★	14.0	.551	124	4.882	122.0	4.803	77.0	3.032	1.8	.071		
12.30	.484	38.9	1.532	3	14	860.1-1230-040A0-PM	★	14.0	.551	107	4.213	105.0	4.134	60.0	2.362	1.8	.072		
12.30	.484	57.0	2.244	4	14	860.1-1230-057A0-PM	★	14.0	.551	124	4.882	122.0	4.803	77.0	3.032	1.8	.072		
12.40	.488	39.2	1.543	3	14	860.1-1240-040A0-PM	★	14.0	.551	107	4.213	105.0	4.134	60.0	2.362	1.8	.072		
12.50	.492	39.5	1.555	3	14	860.1-1250-040A0-PM	★	14.0	.551	107	4.213	105.0	4.134	60.0	2.362	1.9	.073		
12.50	.492	57.0	2.244	4	14	860.1-1250-057A0-PM	★	14.0	.551	124	4.882	122.0	4.803	77.0	3.032	1.9	.073		
12.60	.496	39.9	1.571	3	14	860.1-1260-040A0-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	1.9	.073		
12.60	.496	57.0	2.244	4	14	860.1-1260-057A0-PM	★	14.0	.551	124	4.882	121.9	4.799	77.0	3.032	1.9	.073		
12.70	.500	40.0	1.575	3	14	860.1-1270-040A0-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	1.9	.074		
12.70	.500	57.0	2.244	4	14	860.1-1270-057A0-PM	★	14.0	.551	124	4.882	121.9	4.799	77.0	3.032	1.9	.074		
12.80	.504	40.0	1.575	3	14	860.1-1280-040A0-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	1.9	.075		
13.00	.512	40.0	1.575	3	14	860.1-1300-040A0-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	1.9	.076		
13.00	.512	57.0	2.244	4	14	860.1-1300-057A0-PM	★	14.0	.551	124	4.882	121.9	4.799	77.0	3.032	1.9	.076		
13.50	.531	40.0	1.575	2	14	860.1-1350-040A0-PM	★	14.0	.551	107	4.213	104.8	4.126	60.0	2.362	2.0	.079		
13.50	.531	57.0	2.244	4	14	860.1-1350-057A0-PM	★	14.0	.551	124	4.882	121.8	4.795	77.0	3.032	2.0	.079		
13.80	.543	40.0	1.575	2	14	860.1-1380-040A0-PM	★	14.0	.551	107	4.213	104.8	4.126	60.0	2.362	2.0	.080		
13.80	.543	57.0	2.244	4	14	860.1-1380-057A0-PM	★	14.0	.551	124	4.882	121.8	4.795	77.0	3.032	2.0	.080		
14.00	.551	40.0	1.575	2	14	860.1-1400-040A0-PM	★	14.0	.551	107	4.213	104.7	4.122	60.0	2.362	2.1	.082		
14.00	.551	57.0	2.244	4	14	860.1-1400-057A0-PM	★	14.0	.551	124	4.882	121.7	4.791	77.0	3.032	2.1	.082		
14.25	.561	44.0	1.732	3	16	860.1-1425-044A0-PM	★	16.0	.630	115	4.528	112.7	4.437	65.0	2.559	2.1	.083		
14.25	.561	62.0	2.441	4	16	860.1-1425-062A0-PM	★	16.0	.630	133	5.236	130.7	5.146	83.0	3.268	2.1	.083		
14.50	.571	44.0	1.732	3	16	860.1-1450-044A0-PM	★	16.0	.630	115	4.528	112.7	4.437	65.0	2.559	2.1	.085		
14.50	.571	62.0	2.441	4	16	860.1-1450-062A0-PM	★	16.0	.630	133	5.236	130.7	5.146	83.0	3.268	2.1	.085		
15.00	.591	44.0	1.732	2	16	860.1-1500-044A0-PM	★	16.0	.630	115	4.528	112.6	4.433	65.0	2.559	2.2	.087		
15.00	.591	62.0	2.441	4	16	860.1-1500-062A0-PM	★	16.0	.630	133	5.236	130.6	5.142	83.0	3.268	2.2	.087		
15.10	.594	44.0	1.732	2	16	860.1-1510-044A0-PM	★	16.0	.630	115	4.528	112.6	4.433	65.0	2.559	2.2	.088		
15.10	.594	62.0	2.441	4	16	860.1-1510-062A0-PM	★	16.0	.630	133	5.236	130.6	5.142	83.0	3.268	2.2	.088		
15.50	.610	44.0	1.732	2	16	860.1-1550-044A0-PM	★	16.0	.630	115	4.528	112.5	4.429	65.0	2.559	2.3	.090		
15.80	.622	44.0	1.732	2	16	860.1-1580-044A0-PM	★	16.0	.630	115	4.528	112.5	4.429	65.0	2.559	2.3	.092		
15.80	.622	62.0	2.441	3	16	860.1-1580-062A0-PM	★	16.0	.630	133	5.236	130.5	5.138	83.0	3.268	2.3	.092		
16.00	.630	44.0	1.732	2	16	860.1-1600-044A0-PM	★	16.0	.630	115	4.528	112.5	4.429	65.0	2.559	2.4	.093		
16.00	.630	62.0	2.441	3	16	860.1-1600-062A0-PM	★	16.0	.630	133	5.236	130.5	5.138	83.0	3.268	2.4	.093		
16.50	.650	50.0	1.969	3	18	860.1-1650-050A0-PM	★	18.0	.709	123	4.843	120.4	4.740	73.0	2.874	2.4	.096		
16.50	.650	70.0	2.756	4	18	860.1-1650-070A0-PM	★	18.0	.709	143	5.630	140.4	5.528	93.0	3.661	2.4	.096		
17.00	.669	50.0	1.969	2	18	860.1-1700-050A0-PM	★	18.0	.709	123	4.843	120.3	4.736	73.0	2.874	2.5	.099		
17.00	.669	70.0	2.756	4	18	860.1-1700-070A0-PM	★	18.0	.709	143	5.630	140.3	5.524	93.0	3.661	2.5	.099		
17.50	.689	50.0	1.969	2	18	860.1-1750-050A0-PM	★	18.0	.709	123	4.843	120.3	4.736	73.0	2.874	2.6	.102		
17.50	.689	70.0	2.756	4	18	860.1-1750-070A0-PM	★	18.0	.709	143	5.630	140.3	5.524	93.0	3.661	2.6	.102		
18.00	.709	50.0	1.969	2	18	860.1-1800-050A0-PM	★	18.0	.709	123	4.843	120.2	4.732	73.0	2.874	2.7	.105		
18.00	.709	70.0	2.756	3	18	860.1-1800-070A0-PM	★	18.0	.709	143	5.630	140.2	5.520	93.0	3.661	2.7	.105		

CoroDrill® 860 solid carbide drill

For steel

External coolant supply

TCHA H8
SIG 147°

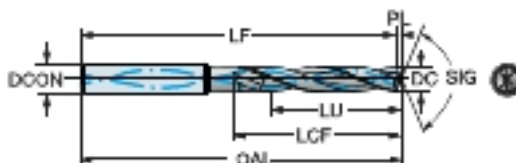


							p	Dimensions, mm, inch													
DC	DC"	LU	LU"	ULDR	CZC _{MS}	Ordering code	P/BM	DCON _{MS}	DCON _{MS} "	OAL	OAL"	LF	LF"	LCF	LCF"	PL	PL"				
18.50	.728	55.0	2.165	2	20	860.1-1850-055A0-PM	★	20.0	.787	131	5.157	128.1	5.043	79.0	3.110	2.7	.108				
19.00	.748	55.0	2.165	2	20	860.1-1900-055A0-PM	★	20.0	.787	131	5.157	128.1	5.043	79.0	3.110	2.8	.111				
20.00	.787	55.0	2.165	2	20	860.1-2000-055A0-PM	★	20.0	.787	131	5.157	127.9	5.035	79.0	3.110	3.0	.117				
20.00	.787	77.0	3.032	3	20	860.1-2000-077A0-PM	★	20.0	.787	153	6.024	149.9	5.902	101.0	3.976	3.0	.117				

CoroDrill® 860 solid carbide drill

For steel

Internal coolant supply

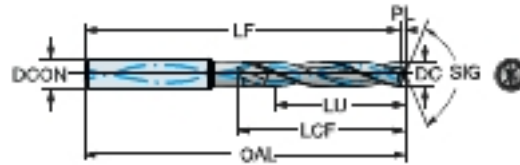
TCHA H8
SIG 147°

						P/BM	Dimensions, mm, inch										
DC	DC*	LU	LU*	ULDR	CZC _{MS}		Ordering code	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
3.000	.118	9.5	.374	3	6	860.1-0300-016A1-PM	★	6.0	.236	62	2.441	61.5	2.421	20.0	.787	0.4	.017
3.000	.118	15.5	.610	5	6	860.1-0300-021A1-PM	★	6.0	.236	66	2.598	65.5	2.579	28.0	1.102	0.4	.017
3.000	.118	24.5	.965	8	6	860.1-0300-029A1-PM	★	6.0	.236	74	2.913	73.5	2.894	34.0	1.339	0.4	.017
3.100	.122	9.8	.386	3	6	860.1-0310-016A1-PM	★	6.0	.236	62	2.441	61.5	2.421	20.0	.787	0.5	.018
3.100	.122	16.0	.630	5	6	860.1-0310-021A1-PM	★	6.0	.236	66	2.598	65.5	2.579	28.0	1.102	0.5	.018
3.100	.122	25.3	.996	8	6	860.1-0310-029A1-PM	★	6.0	.236	74	2.913	73.5	2.894	34.0	1.339	0.5	.018
3.170	.125	10.0	.394	3	6	860.1-0317-016A1-PM	★	6.0	.236	62	2.441	61.5	2.421	20.0	.787	0.5	.018
3.170	.125	16.4	.646	5	6	860.1-0317-021A1-PM	★	6.0	.236	66	2.598	65.5	2.579	28.0	1.102	0.5	.018
3.170	.125	25.9	1.020	8	6	860.1-0317-029A1-PM	★	6.0	.236	74	2.913	73.5	2.894	34.0	1.339	0.5	.018
3.200	.126	10.1	.398	3	6	860.1-0320-016A1-PM	★	6.0	.236	62	2.441	61.5	2.421	20.0	.787	0.5	.019
3.200	.126	16.5	.650	5	6	860.1-0320-021A1-PM	★	6.0	.236	66	2.598	65.5	2.579	28.0	1.102	0.5	.019
3.200	.126	26.1	1.028	8	6	860.1-0320-029A1-PM	★	6.0	.236	74	2.913	73.5	2.894	34.0	1.339	0.5	.019
3.300	.130	10.5	.413	3	6	860.1-0330-016A1-PM	★	6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.019
3.300	.130	17.1	.673	5	6	860.1-0330-021A1-PM	★	6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.019
3.300	.130	27.0	1.063	8	6	860.1-0330-029A1-PM	★	6.0	.236	74	2.913	73.4	2.890	35.0	1.378	0.5	.019
3.400	.134	10.8	.425	3	6	860.1-0340-016A1-PM	★	6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.020
3.400	.134	17.6	.693	5	6	860.1-0340-021A1-PM	★	6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.020
3.400	.134	27.5	1.083	8	6	860.1-0340-029A1-PM	★	6.0	.236	74	2.913	73.4	2.890	35.0	1.378	0.5	.020
3.450	.136	10.9	.429	3	6	860.1-0345-016A1-PM	★	6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.020
3.450	.136	17.8	.701	5	6	860.1-0345-021A1-PM	★	6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.020
3.450	.136	27.4	1.079	7	6	860.1-0345-029A1-PM	★	6.0	.236	74	2.913	73.4	2.890	35.0	1.378	0.5	.020
3.500	.138	11.1	.437	3	6	860.1-0350-016A1-PM	★	6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.020
3.500	.138	18.1	.713	5	6	860.1-0350-021A1-PM	★	6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.020
3.500	.138	27.3	1.075	7	6	860.1-0350-029A1-PM	★	6.0	.236	74	2.913	73.4	2.890	35.0	1.378	0.5	.020
3.550	.140	11.2	.441	3	6	860.1-0355-016A1-PM	★	6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.021
3.570	.141	11.3	.445	3	6	860.1-0357-016A1-PM	★	6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.021
3.570	.141	18.5	.728	5	6	860.1-0357-021A1-PM	★	6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.021
3.570	.141	27.1	1.067	7	6	860.1-0357-029A1-PM	★	6.0	.236	74	2.913	73.4	2.890	35.0	1.378	0.5	.021
3.600	.142	11.4	.449	3	6	860.1-0360-016A1-PM	★	6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.021
3.600	.142	18.6	.732	5	6	860.1-0360-021A1-PM	★	6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.021
3.600	.142	27.1	1.067	7	6	860.1-0360-029A1-PM	★	6.0	.236	74	2.913	73.4	2.890	35.0	1.378	0.5	.021
3.700	.146	11.7	.461	3	6	860.1-0370-016A1-PM	★	6.0	.236	62	2.441	61.4	2.417	20.0	.787	0.5	.022
3.700	.146	19.1	.752	5	6	860.1-0370-021A1-PM	★	6.0	.236	66	2.598	65.4	2.575	28.0	1.102	0.5	.022
3.700	.146	27.9	1.098	7	6	860.1-0370-029A1-PM	★	6.0	.236	74	2.913	73.4	2.890	36.0	1.417	0.5	.022
3.800	.150	12.1	.476	3	6	860.1-0380-018A1-PM	★	6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.022
3.800	.150	19.7	.776	5	6	860.1-0380-027A1-PM	★	6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.022
3.800	.150	31.1	1.224	8	6	860.1-0380-037A1-PM	★	6.0	.236	85	3.346	84.3	3.319	44.0	1.732	0.6	.022
3.900	.154	12.4	.488	3	6	860.1-0390-018A1-PM	★	6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.023
3.900	.154	20.2	.795	5	6	860.1-0390-027A1-PM	★	6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.023
3.900	.154	31.9	1.256	8	6	860.1-0390-037A1-PM	★	6.0	.236	85	3.346	84.3	3.319	44.0	1.732	0.6	.023
3.970	.156	12.6	.496	3	6	860.1-0397-018A1-PM	★	6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.023
3.970	.156	20.5	.807	5	6	860.1-0397-027A1-PM	★	6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.023
3.970	.156	32.4	1.276	8	6	860.1-0397-037A1-PM	★	6.0	.236	85	3.346	84.3	3.319	44.0	1.732	0.6	.023
4.000	.157	12.7	.500	3	6	860.1-0400-018A1-PM	★	6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.023
4.000	.157	20.7	.815	5	6	860.1-0400-027A1-PM	★	6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.023
4.000	.157	32.7	1.287	8	6	860.1-0400-037A1-PM	★	6.0	.236	85	3.346	84.3	3.319	44.0	1.732	0.6	.023
4.100	.161	13.0	.512	3	6	860.1-0410-018A1-PM	★	6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.024
4.100	.161	21.2	.835	5	6	860.1-0410-027A1-PM	★	6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.024
4.100	.161	33.5	1.319	8	6	860.1-0410-037A1-PM	★	6.0	.236	85	3.346	84.3	3.319	45.0	1.772	0.6	.024
4.200	.165	13.3	.524	3	6	860.1-0420-018A1-PM	★	6.0	.236	66	2.598	65.3	2.571	24.0	.945	0.6	.024
4.200	.165	21.7	.854	5	6	860.1-0420-027A1-PM	★	6.0	.236	74	2.913	73.3	2.886	36.0	1.417	0.6	.024
4.200	.165	34.3	1.350	8	6	860.1-0420-037A1-PM	★	6.0	.236	85	3.346	84.3	3.319	45.0	1.772	0.6	.024
4.300	.169	13.7	.539	3	6	860.1-0430-018A1-PM	★	6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.6	.025
4.300	.169	22.3	.878	5	6	860.1-0430-027A1-PM	★	6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.6	.025
4.300	.169	35.2	1.386	8	6	860.1-0430-037A1-PM	★	6.0	.236	85	3.346	84.2	3.315	45.0	1.772	0.6	.025

CoroDrill® 860 solid carbide drill

For steel

Internal coolant supply

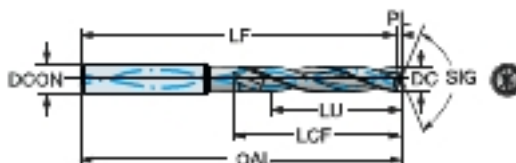
TCHA H8
SIG 147°

							P	Dimensions, mm, inch									
							P										
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	P	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
4.360	.172	13.8	.543	3	6	860.1-0436-018A1-PM	★	6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.6	.025
4.360	.172	22.6	.890	5	6	860.1-0436-027A1-PM	★	6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.6	.025
4.360	.172	35.6	1.402	8	6	860.1-0436-037A1-PM	★	6.0	.236	85	3.346	84.2	3.315	45.0	1.772	0.6	.025
4.400	.173	14.0	.551	3	6	860.1-0440-018A1-PM	★	6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.7	.026
4.400	.173	22.8	.898	5	6	860.1-0440-027A1-PM	★	6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.026
4.400	.173	36.0	1.417	8	6	860.1-0440-037A1-PM	★	6.0	.236	85	3.346	84.2	3.315	45.0	1.772	0.7	.026
4.500	.177	14.3	.563	3	6	860.1-0450-018A1-PM	★	6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.7	.026
4.500	.177	23.3	.917	5	6	860.1-0450-027A1-PM	★	6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.026
4.500	.177	36.8	1.449	8	6	860.1-0450-037A1-PM	★	6.0	.236	85	3.346	84.2	3.315	46.0	1.811	0.7	.026
4.550	.179	14.4	.567	3	6	860.1-0455-018A1-PM	★	6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.7	.027
4.550	.179	23.5	.925	5	6	860.1-0455-027A1-PM	★	6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.027
4.600	.181	14.6	.575	3	6	860.1-0460-018A1-PM	★	6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.7	.027
4.600	.181	23.8	.937	5	6	860.1-0460-027A1-PM	★	6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.027
4.600	.181	36.8	1.449	8	6	860.1-0460-037A1-PM	★	6.0	.236	85	3.346	84.2	3.315	46.0	1.811	0.7	.027
4.700	.185	14.6	.575	3	6	860.1-0470-018A1-PM	★	6.0	.236	66	2.598	65.2	2.567	24.0	.945	0.7	.027
4.700	.185	24.3	.957	5	6	860.1-0470-027A1-PM	★	6.0	.236	74	2.913	73.2	2.882	36.0	1.417	0.7	.027
4.700	.185	36.6	1.441	7	6	860.1-0470-037A1-PM	★	6.0	.236	85	3.346	84.2	3.315	46.0	1.811	0.7	.027
4.760	.187	15.0	.591	3	6	860.1-0476-019A1-PM	★	6.0	.236	66	2.598	65.2	2.567	28.0	1.102	0.7	.028
4.760	.187	36.5	1.437	7	6	860.1-0476-037A1-PM	★	6.0	.236	97	3.819	96.2	3.787	46.0	1.811	0.7	.028
4.760	.187	38.8	1.528	8	6	860.1-0476-047A1-PM	★	6.0	.236	97	3.819	96.2	3.787	56.0	2.205	0.7	.028
4.800	.189	15.2	.598	3	6	860.1-0480-019A1-PM	★	6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.7	.028
4.800	.189	24.8	.976	5	6	860.1-0480-037A1-PM	★	6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.7	.028
4.800	.189	39.2	1.543	8	6	860.1-0480-047A1-PM	★	6.0	.236	97	3.819	96.2	3.787	56.0	2.205	0.7	.028
4.900	.193	15.5	.610	3	6	860.1-0490-019A1-PM	★	6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.7	.029
4.900	.193	25.3	.996	5	6	860.1-0490-037A1-PM	★	6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.7	.029
4.900	.193	40.0	1.575	8	6	860.1-0490-047A1-PM	★	6.0	.236	97	3.819	96.2	3.787	56.0	2.205	0.7	.029
5.000	.197	15.8	.622	3	6	860.1-0500-019A1-PM	★	6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.7	.029
5.000	.197	25.8	1.016	5	6	860.1-0500-037A1-PM	★	6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.7	.029
5.000	.197	40.8	1.606	8	6	860.1-0500-047A1-PM	★	6.0	.236	97	3.819	96.2	3.787	57.0	2.244	0.7	.029
5.100	.201	16.1	.634	3	6	860.1-0510-019A1-PM	★	6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.8	.030
5.100	.201	26.3	1.035	5	6	860.1-0510-037A1-PM	★	6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.030
5.100	.201	41.6	1.638	8	6	860.1-0510-047A1-PM	★	6.0	.236	97	3.819	96.2	3.787	57.0	2.244	0.8	.030
5.160	.203	16.3	.642	3	6	860.1-0516-019A1-PM	★	6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.8	.030
5.160	.203	26.6	1.047	5	6	860.1-0516-037A1-PM	★	6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.030
5.160	.203	42.1	1.657	8	6	860.1-0516-047A1-PM	★	6.0	.236	97	3.819	96.2	3.787	57.0	2.244	0.8	.030
5.200	.205	16.4	.646	3	6	860.1-0520-019A1-PM	★	6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.8	.030
5.200	.205	26.8	1.055	5	6	860.1-0520-037A1-PM	★	6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.030
5.200	.205	42.4	1.669	8	6	860.1-0520-047A1-PM	★	6.0	.236	97	3.819	96.2	3.787	57.0	2.244	0.8	.030
5.250	.207	27.1	1.067	5	6	860.1-0525-037A1-PM	★	6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.031
5.300	.209	16.7	.657	3	6	860.1-0530-019A1-PM	★	6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.8	.031
5.300	.209	27.3	1.075	5	6	860.1-0530-037A1-PM	★	6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.031
5.300	.209	43.2	1.701	8	6	860.1-0530-047A1-PM	★	6.0	.236	97	3.819	96.2	3.787	57.0	2.244	0.8	.031
5.400	.213	17.0	.669	3	6	860.1-0540-019A1-PM	★	6.0	.236	72	2.835	65.2	2.567	28.0	1.102	0.8	.031
5.400	.213	27.8	1.094	5	6	860.1-0540-037A1-PM	★	6.0	.236	87	3.425	81.2	3.197	44.0	1.732	0.8	.031
5.400	.213	44.0	1.732	8	6	860.1-0540-047A1-PM	★	6.0	.236	97	3.819	96.2	3.787	57.0	2.244	0.8	.031
5.500	.217	17.4	.685	3	6	860.1-0550-019A1-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.8	.032
5.500	.217	28.4	1.118	5	6	860.1-0550-037A1-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.8	.032
5.500	.217	44.9	1.768	8	6	860.1-0550-047A1-PM	★	6.0	.236	97	3.819	96.1	3.783	57.0	2.244	0.8	.032
5.550	.219	28.7	1.130	5	6	860.1-0555-037A1-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.8	.032
5.560	.219	17.5	.689	3	6	860.1-0556-019A1-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.8	.032
5.560	.219	28.7	1.130	5	6	860.1-0556-037A1-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.8	.032
5.560	.219	45.3	1.783	8	6	860.1-0556-047A1-PM	★	6.0	.236	97	3.819	96.1	3.783	58.0	2.283	0.8	.032
5.600	.220	17.7	.697	3	6	860.1-0560-019A1-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.8	.033
5.600	.220	28.9	1.138	5	6	860.1-0560-037A1-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.8	.033
5.600	.220	45.7	1.799	8	6	860.1-0560-047A1-PM	★	6.0	.236	97	3.819	96.1	3.783	58.0	2.283	0.8	.033

CoroDrill® 860 solid carbide drill

For steel

Internal coolant supply

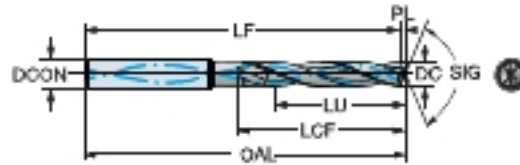
TCHA H8
SIG 147°

											p Dimensions, mm, inch										
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	P/BM	DCN _{MS}	DCN _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*				
5.700	.224	17.7	.697	3	6	860.1-0570-019A1-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.8	.033				
5.700	.224	29.4	1.157	5	6	860.1-0570-037A1-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.8	.033				
5.700	.224	46.5	1.831	8	6	860.1-0570-047A1-PM	★	6.0	.236	97	3.819	96.1	3.783	58.0	2.283	0.8	.033				
5.800	.228	17.6	.693	3	6	860.1-0580-019A1-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.9	.034				
5.800	.228	29.9	1.177	5	6	860.1-0580-037A1-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.9	.034				
5.800	.228	47.0	1.850	8	6	860.1-0580-047A1-PM	★	6.0	.236	97	3.819	96.1	3.783	58.0	2.283	0.9	.034				
5.900	.232	17.4	.685	2	6	860.1-0590-019A1-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.9	.034				
5.900	.232	30.4	1.197	5	6	860.1-0590-037A1-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.9	.034				
5.900	.232	47.0	1.850	7	6	860.1-0590-047A1-PM	★	6.0	.236	97	3.819	96.1	3.783	58.0	2.283	0.9	.034				
5.950	.234	17.3	.681	2	6	860.1-0595-019A1-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.9	.035				
5.950	.234	30.7	1.209	5	6	860.1-0595-037A1-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.9	.035				
5.950	.234	47.0	1.850	7	6	860.1-0595-047A1-PM	★	6.0	.236	97	3.819	96.1	3.783	58.0	2.283	0.9	.035				
6.000	.236	18.9	.744	3	6	860.1-0600-019A1-PM	★	6.0	.236	72	2.835	65.1	2.563	28.0	1.102	0.9	.035				
6.000	.236	30.9	1.217	5	6	860.1-0600-037A1-PM	★	6.0	.236	87	3.425	81.1	3.193	44.0	1.732	0.9	.035				
6.000	.236	47.0	1.850	7	6	860.1-0600-047A1-PM	★	6.0	.236	97	3.819	96.1	3.783	58.0	2.283	0.9	.035				
6.100	.240	19.3	.760	3	8	860.1-0610-024A1-PM	★	8.0	.315	79	3.110	78.0	3.071	34.0	1.339	0.9	.036				
6.100	.240	31.5	1.240	5	8	860.1-0610-040A1-PM	★	8.0	.315	91	3.583	90.0	3.543	53.0	2.087	0.9	.036				
6.100	.240	49.8	1.961	8	8	860.1-0610-055A1-PM	★	8.0	.315	106	4.173	105.0	4.134	66.0	2.598	0.9	.036				
6.200	.244	19.6	.772	3	8	860.1-0620-024A1-PM	★	8.0	.315	79	3.110	78.0	3.071	34.0	1.339	0.9	.036				
6.200	.244	32.0	1.260	5	8	860.1-0620-040A1-PM	★	8.0	.315	91	3.583	90.0	3.543	53.0	2.087	0.9	.036				
6.200	.244	50.6	1.992	8	8	860.1-0620-055A1-PM	★	8.0	.315	106	4.173	105.0	4.134	67.0	2.638	0.9	.036				
6.300	.248	19.9	.783	3	8	860.1-0630-024A1-PM	★	8.0	.315	79	3.110	78.0	3.071	34.0	1.339	0.9	.037				
6.300	.248	32.5	1.280	5	8	860.1-0630-040A1-PM	★	8.0	.315	91	3.583	90.0	3.543	53.0	2.087	0.9	.037				
6.300	.248	51.4	2.024	8	8	860.1-0630-055A1-PM	★	8.0	.315	106	4.173	105.0	4.134	67.0	2.638	0.9	.037				
6.350	.250	20.1	.791	3	8	860.1-0635-024A1-PM	★	8.0	.315	79	3.110	78.0	3.071	34.0	1.339	0.9	.037				
6.350	.250	32.8	1.291	5	8	860.1-0635-040A1-PM	★	8.0	.315	91	3.583	90.0	3.543	53.0	2.087	0.9	.037				
6.350	.250	51.8	2.039	8	8	860.1-0635-055A1-PM	★	8.0	.315	106	4.173	105.0	4.134	67.0	2.638	0.9	.037				
6.400	.252	20.2	.795	3	8	860.1-0640-024A1-PM	★	8.0	.315	79	3.110	78.0	3.071	34.0	1.339	0.9	.037				
6.400	.252	33.0	1.299	5	8	860.1-0640-040A1-PM	★	8.0	.315	91	3.583	90.0	3.543	53.0	2.087	0.9	.037				
6.400	.252	52.2	2.055	8	8	860.1-0640-055A1-PM	★	8.0	.315	106	4.173	105.0	4.134	67.0	2.638	0.9	.037				
6.500	.256	20.6	.811	3	8	860.1-0650-024A1-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.038				
6.500	.256	33.6	1.323	5	8	860.1-0650-040A1-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.038				
6.500	.256	53.1	2.091	8	8	860.1-0650-055A1-PM	★	8.0	.315	106	4.173	104.9	4.130	67.0	2.638	1.0	.038				
6.600	.260	20.9	.823	3	8	860.1-0660-024A1-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.038				
6.600	.260	34.1	1.343	5	8	860.1-0660-040A1-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.038				
6.600	.260	53.9	2.122	8	8	860.1-0660-055A1-PM	★	8.0	.315	106	4.173	104.9	4.130	67.0	2.638	1.0	.038				
6.700	.264	21.2	.835	3	8	860.1-0670-024A1-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.039				
6.700	.264	34.6	1.362	5	8	860.1-0670-040A1-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.039				
6.700	.264	54.7	2.154	8	8	860.1-0670-055A1-PM	★	8.0	.315	106	4.173	104.9	4.130	67.0	2.638	1.0	.039				
6.750	.266	21.3	.839	3	8	860.1-0675-024A1-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.039				
6.750	.266	34.8	1.370	5	8	860.1-0675-040A1-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.039				
6.750	.266	55.0	2.165	8	8	860.1-0675-055A1-PM	★	8.0	.315	106	4.173	104.9	4.130	67.0	2.638	1.0	.039				
6.800	.268	21.5	.846	3	8	860.1-0680-024A1-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.040				
6.800	.268	35.1	1.382	5	8	860.1-0680-040A1-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.040				
6.800	.268	55.0	2.165	8	8	860.1-0680-055A1-PM	★	8.0	.315	106	4.173	104.9	4.130	67.0	2.638	1.0	.040				
6.900	.272	21.8	.858	3	8	860.1-0690-024A1-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.040				
6.900	.272	35.6	1.402	5	8	860.1-0690-040A1-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.040				
6.900	.272	55.0	2.165	7	8	860.1-0690-055A1-PM	★	8.0	.315	106	4.173	104.9	4.130	68.0	2.677	1.0	.040				
7.000	.276	22.1	.870	3	8	860.1-0700-024A1-PM	★	8.0	.315	79	3.110	77.9	3.067	34.0	1.339	1.0	.041				
7.000	.276	36.1	1.421	5	8	860.1-0700-040A1-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.0	.041				
7.000	.276	55.0	2.165	7	8	860.1-0700-055A1-PM	★	8.0	.315	106	4.173	104.9	4.130	68.0	2.677	1.0	.041				
7.100	.280	22.4	.882	3	8	860.1-0710-028A1-PM	★	8.0	.315	79	3.110	77.9	3.067	41.0	1.614	1.1	.041				
7.100	.280	36.6	1.441	5	8	860.1-0710-040A1-PM	★	8.0	.315	91	3.583	89.9	3.539	53.0	2.087	1.1	.041				
7.100	.280	57.9	2.280	8	8	860.1-0710-064A1-PM	★	8.0	.315	116	4.567	114.9	4.524	77.0	3.032	1.1	.041				

CoroDrill® 860 solid carbide drill

For steel

Internal coolant supply

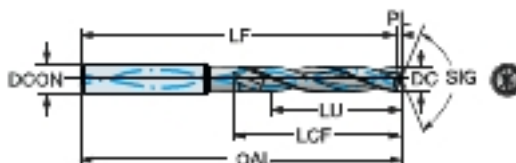
TCHA H8
SIG 147°

										p Dimensions, mm, inch									
DC	DC*	LU	LU*	ULDR	CZG _{MS}	Ordering code	P	P/BM		DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
7.140	.281	22.6	.890	3	8	860.1-0714-028A1-PM	★			8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.042
7.140	.281	36.9	1.453	5	8	860.1-0714-040A1-PM	★			8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.042
7.140	.281	58.3	2.295	8	8	860.1-0714-064A1-PM	★			8.0	.315	116	4.567	114.8	4.520	77.0	3.032	1.1	.042
7.200	.283	22.8	.898	3	8	860.1-0720-028A1-PM	★			8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.042
7.200	.283	37.2	1.465	5	8	860.1-0720-040A1-PM	★			8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.042
7.200	.283	58.8	2.315	8	8	860.1-0720-064A1-PM	★			8.0	.315	116	4.567	114.8	4.520	77.0	3.032	1.1	.042
7.300	.287	23.1	.909	3	8	860.1-0730-028A1-PM	★			8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.043
7.300	.287	37.7	1.484	5	8	860.1-0730-040A1-PM	★			8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.043
7.300	.287	59.6	2.346	8	8	860.1-0730-064A1-PM	★			8.0	.315	116	4.567	114.8	4.520	77.0	3.032	1.1	.043
7.400	.291	23.4	.921	3	8	860.1-0740-028A1-PM	★			8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.043
7.400	.291	38.2	1.504	5	8	860.1-0740-040A1-PM	★			8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.043
7.400	.291	60.4	2.378	8	8	860.1-0740-064A1-PM	★			8.0	.315	116	4.567	114.8	4.520	77.0	3.032	1.1	.043
7.500	.295	23.7	.933	3	8	860.1-0750-028A1-PM	★			8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.044
7.500	.295	38.7	1.524	5	8	860.1-0750-040A1-PM	★			8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.044
7.500	.295	61.2	2.409	8	8	860.1-0750-064A1-PM	★			8.0	.315	116	4.567	114.8	4.520	77.0	3.032	1.1	.044
7.540	.297	23.8	.937	3	8	860.1-0754-028A1-PM	★			8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.044
7.540	.297	38.9	1.532	5	8	860.1-0754-040A1-PM	★			8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.044
7.600	.299	24.0	.945	3	8	860.1-0760-028A1-PM	★			8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.044
7.600	.299	39.2	1.543	5	8	860.1-0760-040A1-PM	★			8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.044
7.600	.299	62.0	2.441	8	8	860.1-0760-064A1-PM	★			8.0	.315	116	4.567	114.8	4.520	77.0	3.032	1.1	.044
7.700	.303	24.3	.957	3	8	860.1-0770-028A1-PM	★			8.0	.315	79	3.110	77.8	3.063	41.0	1.614	1.1	.045
7.700	.303	39.7	1.563	5	8	860.1-0770-040A1-PM	★			8.0	.315	91	3.583	89.8	3.535	53.0	2.087	1.1	.045
7.700	.303	62.8	2.472	8	8	860.1-0770-064A1-PM	★			8.0	.315	116	4.567	114.8	4.520	78.0	3.071	1.1	.045
7.800	.307	24.7	.972	3	8	860.1-0780-028A1-PM	★			8.0	.315	79	3.110	77.7	3.059	41.0	1.614	1.2	.045
7.800	.307	40.0	1.575	5	8	860.1-0780-040A1-PM	★			8.0	.315	91	3.583	89.7	3.532	53.0	2.087	1.2	.045
7.800	.307	63.7	2.508	8	8	860.1-0780-064A1-PM	★			8.0	.315	116	4.567	114.7	4.516	78.0	3.071	1.2	.045
7.900	.311	25.0	.984	3	8	860.1-0790-028A1-PM	★			8.0	.315	79	3.110	77.7	3.059	41.0	1.614	1.2	.046
7.900	.311	40.0	1.575	5	8	860.1-0790-040A1-PM	★			8.0	.315	91	3.583	89.7	3.532	53.0	2.087	1.2	.046
7.940	.313	25.1	.988	3	8	860.1-0794-028A1-PM	★			8.0	.315	79	3.110	77.7	3.059	41.0	1.614	1.2	.046
7.940	.313	40.0	1.575	5	8	860.1-0794-040A1-PM	★			8.0	.315	91	3.583	89.7	3.532	53.0	2.087	1.2	.046
7.940	.313	64.0	2.520	8	8	860.1-0794-064A1-PM	★			8.0	.315	116	4.567	114.7	4.516	78.0	3.071	1.2	.046
8.000	.315	25.3	.996	3	8	860.1-0800-028A1-PM	★			8.0	.315	79	3.110	77.7	3.059	41.0	1.614	1.2	.047
8.000	.315	40.0	1.575	5	8	860.1-0800-040A1-PM	★			8.0	.315	91	3.583	89.7	3.532	53.0	2.087	1.2	.047
8.000	.315	64.0	2.520	8	8	860.1-0800-064A1-PM	★			8.0	.315	116	4.567	114.7	4.516	78.0	3.071	1.2	.047
8.100	.319	25.6	1.008	3	10	860.1-0810-031A1-PM	★			10.0	.394	89	3.504	87.7	3.453	47.0	1.850	1.2	.047
8.100	.319	41.8	1.646	5	10	860.1-0810-045A1-PM	★			10.0	.394	103	4.055	101.7	4.004	61.0	2.402	1.2	.047
8.100	.319	66.1	2.602	8	10	860.1-0810-080A1-PM	★			10.0	.394	139	5.472	137.7	5.421	94.0	3.701	1.2	.047
8.150	.321	42.1	1.657	5	10	860.1-0815-045A1-PM	★			10.0	.394	103	4.055	101.7	4.004	61.0	2.402	1.2	.048
8.200	.323	25.9	1.020	3	10	860.1-0820-031A1-PM	★			10.0	.394	89	3.504	87.7	3.453	47.0	1.850	1.2	.048
8.200	.323	42.3	1.665	5	10	860.1-0820-045A1-PM	★			10.0	.394	103	4.055	101.7	4.004	61.0	2.402	1.2	.048
8.200	.323	66.9	2.634	8	10	860.1-0820-080A1-PM	★			10.0	.394	139	5.472	137.7	5.421	94.0	3.701	1.2	.048
8.300	.327	26.3	1.035	3	10	860.1-0830-031A1-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.2	.048
8.300	.327	42.9	1.689	5	10	860.1-0830-045A1-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.2	.048
8.300	.327	67.8	2.669	8	10	860.1-0830-080A1-PM	★			10.0	.394	139	5.472	137.6	5.417	94.0	3.701	1.2	.048
8.330	.328	43.0	1.693	5	10	860.1-0833-045A1-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.2	.049
8.400	.331	26.6	1.047	3	10	860.1-0840-031A1-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.2	.049
8.400	.331	43.4	1.709	5	10	860.1-0840-045A1-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.2	.049
8.400	.331	68.6	2.701	8	10	860.1-0840-080A1-PM	★			10.0	.394	139	5.472	137.6	5.417	94.0	3.701	1.2	.049
8.500	.335	26.9	1.059	3	10	860.1-0850-031A1-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.050
8.500	.335	43.9	1.728	5	10	860.1-0850-045A1-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.050
8.500	.335	69.4	2.732	8	10	860.1-0850-080A1-PM	★			10.0	.394	139	5.472	137.6	5.417	95.0	3.740	1.3	.050
8.600	.339	27.2	1.071	3	10	860.1-0860-031A1-PM	★			10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.050
8.600	.339	44.4	1.748	5	10	860.1-0860-045A1-PM	★			10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.050
8.600	.339	70.2	2.764	8	10	860.1-0860-080A1-PM	★			10.0	.394	139	5.472	137.6	5.417	95.0	3.740	1.3	.050

CoroDrill® 860 solid carbide drill

For steel

Internal coolant supply

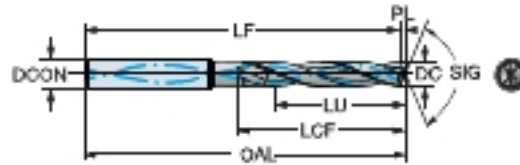
TCHA H8
SIG 147°

						P	Dimensions, mm, inch											
DC	DC*	LU	LU*	ULDR	CZC _{MS}		Ordering code	PBEM	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
8.700	.343	27.5	1.083	3	10	860.1-0870-031A1-PM	★	10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.051	
8.700	.343	44.9	1.768	5	10	860.1-0870-045A1-PM	★	10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.051	
8.700	.343	71.0	2.795	8	10	860.1-0870-080A1-PM	★	10.0	.394	139	5.472	137.6	5.417	95.0	3.740	1.3	.051	
8.730	.344	27.6	1.087	3	10	860.1-0873-031A1-PM	★	10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.051	
8.730	.344	45.0	1.772	5	10	860.1-0873-045A1-PM	★	10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.051	
8.730	.344	71.3	2.807	8	10	860.1-0873-080A1-PM	★	10.0	.394	139	5.472	137.6	5.417	95.0	3.740	1.3	.051	
8.800	.346	27.8	1.094	3	10	860.1-0880-031A1-PM	★	10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.051	
8.800	.346	45.0	1.772	5	10	860.1-0880-045A1-PM	★	10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.051	
8.800	.346	71.8	2.827	8	10	860.1-0880-080A1-PM	★	10.0	.394	139	5.472	137.6	5.417	95.0	3.740	1.3	.051	
8.900	.350	28.1	1.106	3	10	860.1-0890-031A1-PM	★	10.0	.394	89	3.504	87.6	3.449	47.0	1.850	1.3	.052	
8.900	.350	45.0	1.772	5	10	860.1-0890-045A1-PM	★	10.0	.394	103	4.055	101.6	4.000	61.0	2.402	1.3	.052	
8.900	.350	72.6	2.858	8	10	860.1-0890-080A1-PM	★	10.0	.394	139	5.472	137.6	5.417	95.0	3.740	1.3	.052	
9.000	.354	28.5	1.122	3	10	860.1-0900-031A1-PM	★	10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.3	.052	
9.000	.354	45.0	1.772	5	10	860.1-0900-045A1-PM	★	10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.3	.052	
9.000	.354	73.5	2.894	8	10	860.1-0900-080A1-PM	★	10.0	.394	139	5.472	137.5	5.413	95.0	3.740	1.3	.052	
9.100	.358	28.8	1.134	3	10	860.1-0910-031A1-PM	★	10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.3	.053	
9.100	.358	45.0	1.772	4	10	860.1-0910-045A1-PM	★	10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.3	.053	
9.100	.358	74.3	2.925	8	10	860.1-0910-080A1-PM	★	10.0	.394	139	5.472	137.5	5.413	95.0	3.740	1.3	.053	
9.130	.359	28.9	1.138	3	10	860.1-0913-031A1-PM	★	10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.053	
9.200	.362	29.1	1.146	3	10	860.1-0920-031A1-PM	★	10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.054	
9.200	.362	45.0	1.772	4	10	860.1-0920-045A1-PM	★	10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.054	
9.200	.362	75.1	2.957	8	10	860.1-0920-080A1-PM	★	10.0	.394	139	5.472	137.5	5.413	95.0	3.740	1.4	.054	
9.300	.366	29.4	1.157	3	10	860.1-0930-031A1-PM	★	10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.054	
9.300	.366	45.0	1.772	4	10	860.1-0930-045A1-PM	★	10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.054	
9.300	.366	75.9	2.988	8	10	860.1-0930-080A1-PM	★	10.0	.394	139	5.472	137.5	5.413	95.0	3.740	1.4	.054	
9.400	.370	29.7	1.169	3	10	860.1-0940-031A1-PM	★	10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.055	
9.400	.370	45.0	1.772	4	10	860.1-0940-045A1-PM	★	10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.055	
9.400	.370	76.7	3.020	8	10	860.1-0940-080A1-PM	★	10.0	.394	139	5.472	137.5	5.413	96.0	3.780	1.4	.055	
9.500	.374	30.0	1.181	3	10	860.1-0950-031A1-PM	★	10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.055	
9.500	.374	45.0	1.772	4	10	860.1-0950-045A1-PM	★	10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.055	
9.500	.374	77.5	3.051	8	10	860.1-0950-080A1-PM	★	10.0	.394	139	5.472	137.5	5.413	96.0	3.780	1.4	.055	
9.520	.375	30.1	1.185	3	10	860.1-0952-031A1-PM	★	10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.056	
9.520	.375	45.0	1.772	4	10	860.1-0952-045A1-PM	★	10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.056	
9.520	.375	77.7	3.059	8	10	860.1-0952-080A1-PM	★	10.0	.394	139	5.472	137.5	5.413	96.0	3.780	1.4	.056	
9.550	.376	45.0	1.772	4	10	860.1-0955-045A1-PM	★	10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.056	
9.600	.378	30.3	1.193	3	10	860.1-0960-031A1-PM	★	10.0	.394	89	3.504	87.5	3.445	47.0	1.850	1.4	.056	
9.600	.378	45.0	1.772	4	10	860.1-0960-045A1-PM	★	10.0	.394	103	4.055	101.5	3.996	61.0	2.402	1.4	.056	
9.600	.378	78.3	3.083	8	10	860.1-0960-080A1-PM	★	10.0	.394	139	5.472	137.5	5.413	96.0	3.780	1.4	.056	
9.700	.382	30.7	1.209	3	10	860.1-0970-031A1-PM	★	10.0	.394	89	3.504	87.4	3.441	47.0	1.850	1.4	.057	
9.700	.382	45.0	1.772	4	10	860.1-0970-045A1-PM	★	10.0	.394	103	4.055	101.4	3.992	61.0	2.402	1.4	.057	
9.700	.382	79.2	3.118	8	10	860.1-0970-080A1-PM	★	10.0	.394	139	5.472	137.4	5.409	96.0	3.780	1.4	.057	
9.800	.386	31.0	1.220	3	10	860.1-0980-031A1-PM	★	10.0	.394	89	3.504	87.4	3.441	47.0	1.850	1.5	.057	
9.800	.386	45.0	1.772	4	10	860.1-0980-045A1-PM	★	10.0	.394	103	4.055	101.4	3.992	61.0	2.402	1.5	.057	
9.800	.386	80.0	3.150	8	10	860.1-0980-080A1-PM	★	10.0	.394	139	5.472	137.4	5.409	96.0	3.780	1.5	.057	
9.900	.390	31.0	1.220	3	10	860.1-0990-031A1-PM	★	10.0	.394	89	3.504	87.4	3.441	47.0	1.850	1.5	.058	
9.900	.390	45.0	1.772	4	10	860.1-0990-045A1-PM	★	10.0	.394	103	4.055	101.4	3.992	61.0	2.402	1.5	.058	
9.900	.390	80.0	3.150	8	10	860.1-0990-080A1-PM	★	10.0	.394	139	5.472	137.4	5.409	96.0	3.780	1.5	.058	
9.920	.391	31.0	1.220	3	10	860.1-0992-031A1-PM	★	10.0	.394	89	3.504	87.4	3.441	47.0	1.850	1.5	.058	
9.920	.391	45.0	1.772	4	10	860.1-0992-045A1-PM	★	10.0	.394	103	4.055	101.4	3.992	61.0	2.402	1.5	.058	
9.920	.391	80.0	3.150	8	10	860.1-0992-080A1-PM	★	10.0	.394	139	5.472	137.4	5.409	96.0	3.780	1.5	.058	
10.00	.394	31.0	1.220	3	10	860.1-1000-031A1-PM	★	10.0	.394	89	3.504	87.4	3.441	47.0	1.850	1.5	.058	
10.00	.394	45.0	1.772	4	10	860.1-1000-045A1-PM	★	10.0	.394	103	4.055	101.4	3.992	61.0	2.402	1.5	.058	
10.00	.394	80.0	3.150	8	10	860.1-1000-080A1-PM	★	10.0	.394	139	5.472	137.4	5.409	96.0	3.780	1.5	.058	

CoroDrill® 860 solid carbide drill

For steel

Internal coolant supply

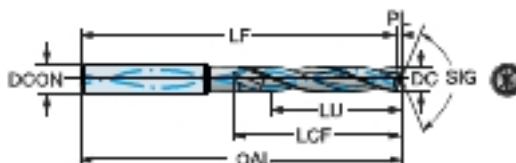
TCHA H8
SIG 147°

							P	Dimensions, mm, inch											
							P												
							P												
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code	P	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*		
10.10	.398	31.9	1.256	3	12	860.1-1010-037A1-PM	★	12.0	.472	102	4.016	100.4	3.953	55.0	2.165	1.5	.059		
10.10	.398	52.1	2.051	5	12	860.1-1010-053A1-PM	★	12.0	.472	118	4.646	116.4	4.583	71.0	2.795	1.5	.059		
10.10	.398	82.4	3.244	8	12	860.1-1010-098A1-PM	★	12.0	.472	163	6.417	161.4	6.354	114.0	4.488	1.5	.059		
10.20	.402	32.3	1.272	3	12	860.1-1020-037A1-PM	★	12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.5	.059		
10.20	.402	52.7	2.075	5	12	860.1-1020-053A1-PM	★	12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.5	.059		
10.20	.402	83.3	3.280	8	12	860.1-1020-098A1-PM	★	12.0	.472	163	6.417	161.3	6.350	114.0	4.488	1.5	.059		
10.30	.406	32.6	1.283	3	12	860.1-1030-037A1-PM	★	12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.5	.060		
10.30	.406	53.0	2.087	5	12	860.1-1030-053A1-PM	★	12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.5	.060		
10.30	.406	84.1	3.311	8	12	860.1-1030-098A1-PM	★	12.0	.472	163	6.417	161.3	6.350	114.0	4.488	1.5	.060		
10.32	.406	32.6	1.283	3	12	860.1-1032-037A1-PM	★	12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.5	.060		
10.32	.406	53.0	2.087	5	12	860.1-1032-053A1-PM	★	12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.5	.060		
10.32	.406	84.2	3.315	8	12	860.1-1032-098A1-PM	★	12.0	.472	163	6.417	161.3	6.350	114.0	4.488	1.5	.060		
10.40	.409	32.9	1.295	3	12	860.1-1040-037A1-PM	★	12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.5	.061		
10.40	.409	53.0	2.087	5	12	860.1-1040-053A1-PM	★	12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.5	.061		
10.40	.409	84.9	3.343	8	12	860.1-1040-098A1-PM	★	12.0	.472	163	6.417	161.3	6.350	115.0	4.528	1.5	.061		
10.45	.411	53.0	2.087	5	12	860.1-1045-053A1-PM	★	12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.5	.061		
10.50	.413	33.2	1.307	3	12	860.1-1050-037A1-PM	★	12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.6	.061		
10.50	.413	53.0	2.087	5	12	860.1-1050-053A1-PM	★	12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.6	.061		
10.50	.413	85.7	3.374	8	12	860.1-1050-098A1-PM	★	12.0	.472	163	6.417	161.3	6.350	115.0	4.528	1.6	.061		
10.60	.417	33.5	1.319	3	12	860.1-1060-037A1-PM	★	12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.6	.062		
10.60	.417	53.0	2.087	5	12	860.1-1060-053A1-PM	★	12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.6	.062		
10.70	.421	33.8	1.331	3	12	860.1-1070-037A1-PM	★	12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.6	.062		
10.70	.421	53.0	2.087	4	12	860.1-1070-053A1-PM	★	12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.6	.062		
10.70	.421	87.3	3.437	8	12	860.1-1070-098A1-PM	★	12.0	.472	163	6.417	161.3	6.350	115.0	4.528	1.6	.062		
10.71	.422	33.9	1.335	3	12	860.1-1071-037A1-PM	★	12.0	.472	102	4.016	100.3	3.949	55.0	2.165	1.6	.062		
10.71	.422	53.0	2.087	4	12	860.1-1071-053A1-PM	★	12.0	.472	118	4.646	116.3	4.579	71.0	2.795	1.6	.062		
10.80	.425	34.2	1.346	3	12	860.1-1080-037A1-PM	★	12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.6	.063		
10.80	.425	53.0	2.087	4	12	860.1-1080-053A1-PM	★	12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.6	.063		
10.80	.425	88.2	3.472	8	12	860.1-1080-098A1-PM	★	12.0	.472	163	6.417	161.2	6.346	115.0	4.528	1.6	.063		
10.90	.429	34.5	1.358	3	12	860.1-1090-037A1-PM	★	12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.6	.064		
10.90	.429	53.0	2.087	4	12	860.1-1090-053A1-PM	★	12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.6	.064		
11.00	.433	34.8	1.370	3	12	860.1-1100-037A1-PM	★	12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.6	.064		
11.00	.433	53.0	2.087	4	12	860.1-1100-053A1-PM	★	12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.6	.064		
11.00	.433	89.8	3.535	8	12	860.1-1100-098A1-PM	★	12.0	.472	163	6.417	161.2	6.346	115.0	4.528	1.6	.064		
11.10	.437	35.1	1.382	3	12	860.1-1110-037A1-PM	★	12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.6	.065		
11.10	.437	53.0	2.087	4	12	860.1-1110-053A1-PM	★	12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.6	.065		
11.10	.437	90.6	3.567	8	12	860.1-1110-098A1-PM	★	12.0	.472	163	6.417	161.2	6.346	115.0	4.528	1.6	.065		
11.11	.437	35.1	1.382	3	12	860.1-1111-037A1-PM	★	12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.6	.065		
11.11	.437	53.0	2.087	4	12	860.1-1111-053A1-PM	★	12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.6	.065		
11.11	.437	90.7	3.571	8	12	860.1-1111-098A1-PM	★	12.0	.472	163	6.417	161.2	6.346	115.0	4.528	1.6	.065		
11.20	.441	35.4	1.394	3	12	860.1-1120-037A1-PM	★	12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.7	.065		
11.20	.441	53.0	2.087	4	12	860.1-1120-053A1-PM	★	12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.7	.065		
11.20	.441	91.4	3.598	8	12	860.1-1120-098A1-PM	★	12.0	.472	163	6.417	161.2	6.346	115.0	4.528	1.7	.065		
11.30	.445	35.7	1.406	3	12	860.1-1130-037A1-PM	★	12.0	.472	102	4.016	100.2	3.945	55.0	2.165	1.7	.066		
11.30	.445	53.0	2.087	4	12	860.1-1130-053A1-PM	★	12.0	.472	118	4.646	116.2	4.575	71.0	2.795	1.7	.066		
11.30	.445	92.2	3.630	8	12	860.1-1130-098A1-PM	★	12.0	.472	163	6.417	161.2	6.346	115.0	4.528	1.7	.066		
11.40	.449	36.1	1.421	3	12	860.1-1140-037A1-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.066		
11.40	.449	53.0	2.087	4	12	860.1-1140-053A1-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.7	.066		
11.40	.449	93.1	3.665	8	12	860.1-1140-098A1-PM	★	12.0	.472	163	6.417	161.1	6.343	115.0	4.528	1.7	.066		
11.50	.453	36.4	1.433	3	12	860.1-1150-037A1-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.067		
11.50	.453	53.0	2.087	4	12	860.1-1150-053A1-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.7	.067		
11.50	.453	93.9	3.697	8	12	860.1-1150-098A1-PM	★	12.0	.472	163	6.417	161.1	6.343	116.0	4.567	1.7	.067		
11.51	.453	36.4	1.433	3	12	860.1-1151-037A1-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.067		
11.51	.453	53.0	2.087	4	12	860.1-1151-053A1-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.7	.067		
11.60	.457	36.7	1.445	3	12	860.1-1160-037A1-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.068		
11.60	.457	53.0	2.087	4	12	860.1-1160-053A1-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.7	.068		

CoroDrill® 860 solid carbide drill

For steel

Internal coolant supply

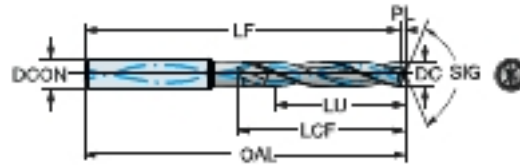
TCHA H8
SIG 147°

						P/BM	Dimensions, mm, inch										
DC	DC*	LU	LU*	ULDR	CZC _{MS}		Ordering code	DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
11.70	.461	37.0	1.457	3	12	860.1-1170-037A1-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.068
11.70	.461	53.0	2.087	4	12	860.1-1170-053A1-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.7	.068
11.70	.461	95.5	3.760	8	12	860.1-1170-098A1-PM	★	12.0	.472	163	6.417	161.1	6.343	116.0	4.567	1.7	.068
11.80	.465	37.0	1.457	3	12	860.1-1180-037A1-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.7	.069
11.80	.465	53.0	2.087	4	12	860.1-1180-053A1-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.7	.069
11.80	.465	96.3	3.791	8	12	860.1-1180-098A1-PM	★	12.0	.472	163	6.417	161.1	6.343	116.0	4.567	1.7	.069
11.90	.469	37.0	1.457	3	12	860.1-1190-037A1-PM	★	12.0	.472	102	4.016	100.1	3.941	55.0	2.165	1.8	.069
11.90	.469	53.0	2.087	4	12	860.1-1190-053A1-PM	★	12.0	.472	118	4.646	116.1	4.571	71.0	2.795	1.8	.069
11.90	.469	97.1	3.823	8	12	860.1-1190-098A1-PM	★	12.0	.472	163	6.417	161.1	6.343	116.0	4.567	1.8	.069
12.00	.472	37.0	1.457	3	12	860.1-1200-037A1-PM	★	12.0	.472	102	4.016	100.0	3.937	55.0	2.165	1.8	.070
12.00	.472	53.0	2.087	4	12	860.1-1200-053A1-PM	★	12.0	.472	118	4.646	116.0	4.567	71.0	2.795	1.8	.070
12.00	.472	98.0	3.858	8	12	860.1-1200-098A1-PM	★	12.0	.472	163	6.417	161.0	6.339	116.0	4.567	1.8	.070
12.10	.476	38.3	1.508	3	14	860.1-1210-040A1-PM	★	14.0	.551	107	4.213	105.0	4.134	60.0	2.362	1.8	.071
12.10	.476	57.0	2.244	4	14	860.1-1210-057A1-PM	★	14.0	.551	124	4.882	122.0	4.803	77.0	3.032	1.8	.071
12.10	.476	98.8	3.890	8	14	860.1-1210-115A1-PM	★	14.0	.551	182	7.165	180.0	7.087	133.0	5.236	1.8	.071
12.20	.480	38.6	1.520	3	14	860.1-1220-040A1-PM	★	14.0	.551	107	4.213	105.0	4.134	60.0	2.362	1.8	.071
12.20	.480	57.0	2.244	4	14	860.1-1220-057A1-PM	★	14.0	.551	124	4.882	122.0	4.803	77.0	3.032	1.8	.071
12.20	.480	99.6	3.921	8	14	860.1-1220-115A1-PM	★	14.0	.551	182	7.165	180.0	7.087	133.0	5.236	1.8	.071
12.30	.484	38.9	1.532	3	14	860.1-1230-040A1-PM	★	14.0	.551	107	4.213	105.0	4.134	60.0	2.362	1.8	.072
12.30	.484	57.0	2.244	4	14	860.1-1230-057A1-PM	★	14.0	.551	124	4.882	122.0	4.803	77.0	3.032	1.8	.072
12.30	.484	100.4	3.953	8	14	860.1-1230-115A1-PM	★	14.0	.551	182	7.165	180.0	7.087	133.0	5.236	1.8	.072
12.40	.488	57.0	2.244	4	14	860.1-1240-057A1-PM	★	14.0	.551	124	4.882	122.0	4.803	77.0	3.032	1.8	.072
12.40	.488	101.2	3.984	8	14	860.1-1240-115A1-PM	★	14.0	.551	182	7.165	180.0	7.087	133.0	5.236	1.8	.072
12.50	.492	39.5	1.555	3	14	860.1-1250-040A1-PM	★	14.0	.551	107	4.213	105.0	4.134	60.0	2.362	1.9	.073
12.50	.492	57.0	2.244	4	14	860.1-1250-057A1-PM	★	14.0	.551	124	4.882	122.0	4.803	77.0	3.032	1.9	.073
12.50	.492	102.0	4.016	8	14	860.1-1250-115A1-PM	★	14.0	.551	182	7.165	180.0	7.087	133.0	5.236	1.9	.073
12.60	.496	39.9	1.571	3	14	860.1-1260-040A1-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	1.9	.073
12.70	.500	40.0	1.575	3	14	860.1-1270-040A1-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	1.9	.074
12.70	.500	57.0	2.244	4	14	860.1-1270-057A1-PM	★	14.0	.551	124	4.882	121.9	4.799	77.0	3.032	1.9	.074
12.70	.500	103.7	4.083	8	14	860.1-1270-115A1-PM	★	14.0	.551	182	7.165	179.9	7.083	134.0	5.276	1.9	.074
12.80	.504	40.0	1.575	3	14	860.1-1280-040A1-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	1.9	.075
12.80	.504	57.0	2.244	4	14	860.1-1280-057A1-PM	★	14.0	.551	124	4.882	121.9	4.799	77.0	3.032	1.9	.075
12.80	.504	104.5	4.114	8	14	860.1-1280-115A1-PM	★	14.0	.551	182	7.165	179.9	7.083	134.0	5.276	1.9	.075
13.00	.512	40.0	1.575	3	14	860.1-1300-040A1-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	1.9	.076
13.00	.512	57.0	2.244	4	14	860.1-1300-057A1-PM	★	14.0	.551	124	4.882	121.9	4.799	77.0	3.032	1.9	.076
13.00	.512	106.1	4.177	8	14	860.1-1300-115A1-PM	★	14.0	.551	182	7.165	179.9	7.083	134.0	5.276	1.9	.076
13.10	.516	40.0	1.575	3	14	860.1-1310-040A1-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	1.9	.076
13.10	.516	57.0	2.244	4	14	860.1-1310-057A1-PM	★	14.0	.551	124	4.882	121.9	4.799	77.0	3.032	1.9	.076
13.10	.516	106.9	4.209	8	14	860.1-1310-115A1-PM	★	14.0	.551	182	7.165	179.9	7.083	134.0	5.276	1.9	.076
13.25	.522	40.0	1.575	3	14	860.1-1325-040A1-PM	★	14.0	.551	107	4.213	104.9	4.130	60.0	2.362	2.0	.077
13.25	.522	57.0	2.244	4	14	860.1-1325-057A1-PM	★	14.0	.551	124	4.882	121.9	4.799	77.0	3.032	2.0	.077
13.25	.522	108.1	4.256	8	14	860.1-1325-115A1-PM	★	14.0	.551	182	7.165	179.9	7.083	134.0	5.276	2.0	.077
13.50	.531	40.0	1.575	2	14	860.1-1350-040A1-PM	★	14.0	.551	107	4.213	104.8	4.126	60.0	2.362	2.0	.079
13.50	.531	57.0	2.244	4	14	860.1-1350-057A1-PM	★	14.0	.551	124	4.882	121.8	4.795	77.0	3.032	2.0	.079
13.50	.531	110.2	4.339	8	14	860.1-1350-115A1-PM	★	14.0	.551	182	7.165	179.8	7.079	134.0	5.276	2.0	.079
13.75	.541	40.0	1.575	2	14	860.1-1375-040A1-PM	★	14.0	.551	107	4.213	104.8	4.126	60.0	2.362	2.0	.080
13.75	.541	57.0	2.244	4	14	860.1-1375-057A1-PM	★	14.0	.551	124	4.882	121.8	4.795	77.0	3.032	2.0	.080
13.80	.543	40.0	1.575	2	14	860.1-1380-040A1-PM	★	14.0	.551	107	4.213	104.8	4.126	60.0	2.362	2.0	.080
13.80	.543	57.0	2.244	4	14	860.1-1380-057A1-PM	★	14.0	.551	124	4.882	121.8	4.795	77.0	3.032	2.0	.080
13.80	.543	112.6	4.433	8	14	860.1-1380-115A1-PM	★	14.0	.551	182	7.165	179.8	7.079	134.0	5.276	2.0	.080
13.89	.547	57.0	2.244	4	14	860.1-1389-057A1-PM	★	14.0	.551	124	4.882	121.8	4.795	77.0	3.032	2.1	.081
14.00	.551	40.0	1.575	2	14	860.1-1400-040A1-PM	★	14.0	.551	107	4.213	104.7	4.122	60.0	2.362	2.1	.082
14.00	.551	57.0	2.244	4	14	860.1-1400-057A1-PM	★	14.0	.551	124	4.882	121.7	4.791	77.0	3.032	2.1	.082
14.00	.551	114.3	4.500	8	14	860.1-1400-115A1-PM	★	14.0	.551	182	7.165	179.7	7.075	134.0	5.276	2.1	.082

CoroDrill® 860 solid carbide drill

For steel

Internal coolant supply

TCHA H8
SIG 147°

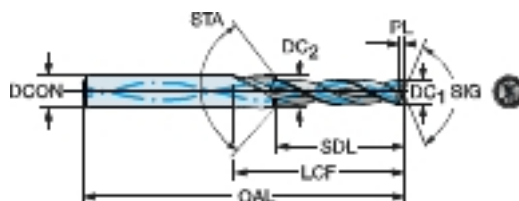
								p Dimensions, mm, inch									
							PTBM										
DC	DC*	LU	LU*	ULDR	CZC _{MS}	Ordering code		DCON _{MS}	DCON _{MS} *	OAL	OAL*	LF	LF*	LCF	LCF*	PL	PL*
14.25	.561	44.0	1.732	3	16	860.1-1425-044A1-PM	★	16.0	.630	115	4.528	112.7	4.437	65.0	2.559	2.1	.083
14.25	.561	62.0	2.441	4	16	860.1-1425-062A1-PM	★	16.0	.630	133	5.236	130.7	5.146	83.0	3.268	2.1	.083
14.29	.563	44.0	1.732	3	16	860.1-1429-044A1-PM	★	16.0	.630	115	4.528	112.7	4.437	65.0	2.559	2.1	.083
14.29	.563	62.0	2.441	4	16	860.1-1429-062A1-PM	★	16.0	.630	133	5.236	130.7	5.146	83.0	3.268	2.1	.083
14.50	.571	44.0	1.732	3	16	860.1-1450-044A1-PM	★	16.0	.630	115	4.528	112.7	4.437	65.0	2.559	2.1	.085
14.50	.571	62.0	2.441	4	16	860.1-1450-062A1-PM	★	16.0	.630	133	5.236	130.7	5.146	83.0	3.268	2.1	.085
14.69	.578	44.0	1.732	2	16	860.1-1469-044A1-PM	★	16.0	.630	115	4.528	112.7	4.437	65.0	2.559	2.2	.086
14.69	.578	62.0	2.441	4	16	860.1-1469-062A1-PM	★	16.0	.630	133	5.236	130.7	5.146	83.0	3.268	2.2	.086
14.75	.581	62.0	2.441	4	16	860.1-1475-062A1-PM	★	16.0	.630	133	5.236	130.6	5.142	83.0	3.268	2.2	.086
14.80	.583	62.0	2.441	4	16	860.1-1480-062A1-PM	★	16.0	.630	133	5.236	130.6	5.142	83.0	3.268	2.2	.086
15.00	.591	44.0	1.732	2	16	860.1-1500-044A1-PM	★	16.0	.630	115	4.528	112.6	4.433	65.0	2.559	2.2	.087
15.00	.591	62.0	2.441	4	16	860.1-1500-062A1-PM	★	16.0	.630	133	5.236	130.6	5.142	83.0	3.268	2.2	.087
15.10	.594	44.0	1.732	2	16	860.1-1510-044A1-PM	★	16.0	.630	115	4.528	112.6	4.433	65.0	2.559	2.2	.088
15.10	.594	62.0	2.441	4	16	860.1-1510-062A1-PM	★	16.0	.630	133	5.236	130.6	5.142	83.0	3.268	2.2	.088
15.50	.610	44.0	1.732	2	16	860.1-1550-044A1-PM	★	16.0	.630	115	4.528	112.5	4.429	65.0	2.559	2.3	.090
15.50	.610	62.0	2.441	4	16	860.1-1550-062A1-PM	★	16.0	.630	133	5.236	130.5	5.138	83.0	3.268	2.3	.090
15.80	.622	44.0	1.732	2	16	860.1-1580-044A1-PM	★	16.0	.630	115	4.528	112.5	4.429	65.0	2.559	2.3	.092
15.80	.622	62.0	2.441	3	16	860.1-1580-062A1-PM	★	16.0	.630	133	5.236	130.5	5.138	83.0	3.268	2.3	.092
15.87	.625	44.0	1.732	2	16	860.1-1587-044A1-PM	★	16.0	.630	115	4.528	112.5	4.429	65.0	2.559	2.4	.093
15.87	.625	62.0	2.441	3	16	860.1-1587-062A1-PM	★	16.0	.630	133	5.236	130.5	5.138	83.0	3.268	2.4	.093
16.00	.630	44.0	1.732	2	16	860.1-1600-044A1-PM	★	16.0	.630	115	4.528	112.5	4.429	65.0	2.559	2.4	.093
16.00	.630	62.0	2.441	3	16	860.1-1600-062A1-PM	★	16.0	.630	133	5.236	130.5	5.138	83.0	3.268	2.4	.093
16.00	.630	130.5	5.138	8	16	860.1-1600-133A1-PM	★	16.0	.630	204	8.032	201.5	7.933	154.0	6.063	2.4	.093
16.10	.634	50.0	1.969	3	18	860.1-1610-050A1-PM	★	18.0	.709	123	4.843	120.4	4.740	73.0	2.874	2.4	.094
16.10	.634	70.0	2.756	4	18	860.1-1610-070A1-PM	★	18.0	.709	143	5.630	140.4	5.528	93.0	3.661	2.4	.094
16.50	.650	50.0	1.969	3	18	860.1-1650-050A1-PM	★	18.0	.709	123	4.843	120.4	4.740	73.0	2.874	2.4	.096
16.50	.650	70.0	2.756	4	18	860.1-1650-070A1-PM	★	18.0	.709	143	5.630	140.4	5.528	93.0	3.661	2.4	.096
16.67	.656	50.0	1.969	2	18	860.1-1667-050A1-PM	★	18.0	.709	123	4.843	120.4	4.740	73.0	2.874	2.5	.097
16.67	.656	70.0	2.756	4	18	860.1-1667-070A1-PM	★	18.0	.709	143	5.630	140.4	5.528	93.0	3.661	2.5	.097
16.80	.661	50.0	1.969	2	18	860.1-1680-050A1-PM	★	18.0	.709	123	4.843	120.4	4.740	73.0	2.874	2.5	.098
16.80	.661	70.0	2.756	4	18	860.1-1680-070A1-PM	★	18.0	.709	143	5.630	140.4	5.528	93.0	3.661	2.5	.098
17.00	.669	50.0	1.969	2	18	860.1-1700-050A1-PM	★	18.0	.709	123	4.843	120.3	4.736	73.0	2.874	2.5	.099
17.00	.669	70.0	2.756	4	18	860.1-1700-070A1-PM	★	18.0	.709	143	5.630	140.3	5.524	93.0	3.661	2.5	.099
17.50	.689	50.0	1.969	2	18	860.1-1750-050A1-PM	★	18.0	.709	123	4.843	120.3	4.736	73.0	2.874	2.6	.102
17.50	.689	70.0	2.756	4	18	860.1-1750-070A1-PM	★	18.0	.709	143	5.630	140.3	5.524	93.0	3.661	2.6	.102
17.80	.701	70.0	2.756	3	18	860.1-1780-070A1-PM	★	18.0	.709	143	5.630	140.2	5.520	93.0	3.661	2.6	.104
18.00	.709	50.0	1.969	2	18	860.1-1800-050A1-PM	★	18.0	.709	123	4.843	120.2	4.732	73.0	2.874	2.7	.105
18.00	.709	70.0	2.756	3	18	860.1-1800-070A1-PM	★	18.0	.709	143	5.630	140.2	5.520	93.0	3.661	2.7	.105
18.50	.728	55.0	2.165	2	20	860.1-1850-055A1-PM	★	20.0	.787	131	5.157	128.1	5.043	79.0	3.110	2.7	.108
18.80	.740	55.0	2.165	2	20	860.1-1880-055A1-PM	★	20.0	.787	131	5.157	128.1	5.043	79.0	3.110	2.8	.110
18.80	.740	77.0	3.032	4	20	860.1-1880-077A1-PM	★	20.0	.787	153	6.024	150.1	5.909	101.0	3.976	2.8	.110
19.00	.748	55.0	2.165	2	20	860.1-1900-055A1-PM	★	20.0	.787	131	5.157	128.1	5.043	79.0	3.110	2.8	.111
19.00	.748	77.0	3.032	4	20	860.1-1900-077A1-PM	★	20.0	.787	153	6.024	150.1	5.909	101.0	3.976	2.8	.111
19.05	.750	55.0	2.165	2	20	860.1-1905-055A1-PM	★	20.0	.787	131	5.157	128.0	5.039	79.0	3.110	2.8	.111
19.05	.750	77.0	3.032	4	20	860.1-1905-077A1-PM	★	20.0	.787	153	6.024	150.0	5.906	101.0	3.976	2.8	.111
19.80	.780	55.0	2.165	2	20	860.1-1980-055A1-PM	★	20.0	.787	131	5.157	128.0	5.039	79.0	3.110	2.9	.115
20.00	.787	55.0	2.165	2	20	860.1-2000-055A1-PM	★	20.0	.787	131	5.157	127.9	5.035	79.0	3.110	3.0	.117
20.00	.787	77.0	3.032	3	20	860.1-2000-077A1-PM	★	20.0	.787	153	6.024	149.9	5.902	101.0	3.976	3.0	.117

CoroDrill® 860 solid carbide step and chamfer drill

For steel

Internal coolant supply

SIG 147°



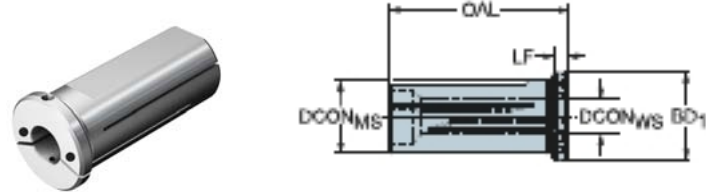
										p Dimensions, mm, inch									
DC ₁	DC ₁ "	DC ₂	DC ₂ "	SDL ₁	SDL ₁ "	LU	LU"	CZC _{MS}	Ordering code	PtB	DCON _{MS}	DCON _{MS} "	OAL	OAL"	LF	LF"	PL	PL"	
3.350	.1319	4.500	.1772	11.00	.433	12.1	.476	6	860.2-0335-011A1-PM	★	6.0	.236	74	2.913	73.4	2.890	0.6	.024	
3.400	.1339	4.600	.1811	11.00	.433	12.2	.480	6	860.2-0340-011A1-PM	★	6.0	.236	74	2.913	73.4	2.890	0.6	.024	
3.700	.1457	5.000	.1969	13.00	.512	14.3	.563	6	860.2-0370-012A1-PM	★	6.0	.236	74	2.913	73.4	2.890	0.6	.024	
4.250	.1673	5.700	.2244	14.00	.551	15.5	.610	6	860.2-0425-013A1-PM	★	6.0	.236	74	2.913	73.3	2.886	0.7	.028	
4.300	.1693	5.800	.2283	14.00	.551	15.5	.610	6	860.2-0430-013A1-PM	★	6.0	.236	74	2.913	73.2	2.882	0.8	.031	
4.650	.1831	5.900	.2323	14.00	.551	15.4	.606	6	860.2-0465-014A1-PM	★	6.0	.236	74	2.913	73.2	2.882	0.8	.031	
5.000	.1969	6.800	.2677	15.00	.591	16.7	.657	8	860.2-0500-015A1-PM	★	8.0	.315	79	3.110	78.2	3.079	0.8	.031	
5.100	.2008	6.900	.2717	16.00	.630	17.7	.697	8	860.2-0510-016A1-PM	★	8.0	.315	79	3.110	78.2	3.079	0.8	.031	
5.300	.2087	7.200	.2835	16.00	.630	17.8	.701	8	860.2-0530-016A1-PM	★	8.0	.315	79	3.110	78.2	3.079	0.8	.031	
5.500	.2165	7.400	.2913	17.00	.669	18.8	.740	8	860.2-0550-017A1-PM	★	8.0	.315	79	3.110	78.1	3.075	0.9	.035	
5.550	.2185	7.500	.2953	17.00	.669	18.8	.740	8	860.2-0555-017A1-PM	★	8.0	.315	79	3.110	78.1	3.075	0.9	.035	
6.600	.2598	8.900	.3504	20.00	.787	22.2	.874	10	860.2-0660-020A1-PM	★	10.0	.394	89	3.504	87.9	3.461	1.1	.043	
6.750	.2657	9.100	.3583	21.00	.827	23.3	.917	10	860.2-0675-021A1-PM	★	10.0	.394	89	3.504	87.9	3.461	1.1	.043	
6.850	.2697	9.200	.3622	21.00	.827	23.3	.917	10	860.2-0685-021A1-PM	★	10.0	.394	89	3.504	87.9	3.461	1.1	.043	
6.900	.2717	9.300	.3661	21.00	.827	23.3	.917	10	860.2-0690-021A1-PM	★	10.0	.394	89	3.504	87.9	3.461	1.1	.043	
7.000	.2756	9.500	.3740	21.00	.827	23.4	.921	10	860.2-0700-021A1-PM	★	10.0	.394	89	3.504	87.9	3.461	1.1	.043	
7.250	.2854	9.500	.3740	22.00	.866	24.3	.957	10	860.2-0725-022A1-PM	★	10.0	.394	89	3.504	87.8	3.457	1.2	.047	
7.400	.2913	9.800	.3858	22.00	.866	24.4	.961	10	860.2-0740-022A1-PM	★	10.0	.394	89	3.504	87.8	3.457	1.2	.047	
8.000	.3150	10.80	.4252	24.00	.945	26.7	1.051	12	860.2-0800-024A1-PM	★	12.0	.472	102	4.016	100.7	3.965	1.3	.051	
8.500	.3346	11.50	.4528	26.00	1.024	28.9	1.138	12	860.2-0850-026A1-PM	★	12.0	.472	102	4.016	100.6	3.961	1.4	.055	
8.600	.3386	11.60	.4567	26.00	1.024	28.9	1.138	12	860.2-0860-026A1-PM	★	12.0	.472	102	4.016	100.6	3.961	1.4	.055	
8.700	.3425	11.70	.4606	26.00	1.024	28.9	1.138	12	860.2-0870-026A1-PM	★	12.0	.472	102	4.016	100.6	3.961	1.4	.055	
9.000	.3543	11.80	.4646	27.00	1.063	29.9	1.177	12	860.2-0900-027A1-PM	★	12.0	.472	102	4.016	100.5	3.957	1.5	.059	
9.250	.3642	12.50	.4921	28.00	1.102	31.1	1.224	14	860.2-0925-028A1-PM	★	14.0	.551	112	4.409	110.5	4.350	1.5	.059	
9.300	.3661	12.60	.4961	28.00	1.102	31.2	1.228	14	860.2-0930-028A1-PM	★	14.0	.551	112	4.409	110.5	4.350	1.5	.059	
10.25	.4035	13.80	.5433	31.00	1.220	34.4	1.354	14	860.2-1025-031A1-PM	★	14.0	.551	112	4.409	110.3	4.343	1.7	.067	
10.30	.4055	13.80	.5433	31.00	1.220	34.4	1.354	14	860.2-1030-031A1-PM	★	14.0	.551	112	4.409	110.3	4.343	1.7	.067	
10.40	.4094	13.80	.5433	31.00	1.220	34.4	1.354	14	860.2-1040-031A1-PM	★	14.0	.551	112	4.409	110.3	4.343	1.7	.067	
10.50	.4134	13.80	.5433	32.00	1.260	35.4	1.394	14	860.2-1050-032A1-PM	★	14.0	.551	112	4.409	110.3	4.343	1.7	.067	
10.80	.4252	14.60	.5748	33.00	1.299	36.7	1.445	16	860.2-1080-033A1-PM	★	16.0	.630	124	4.882	122.2	4.811	1.8	.071	
11.00	.4331	14.90	.5866	33.00	1.299	36.7	1.445	16	860.2-1100-033A1-PM	★	16.0	.630	124	4.882	122.2	4.811	1.8	.071	
11.20	.4409	15.10	.5945	34.00	1.339	37.8	1.488	16	860.2-1120-034A1-PM	★	16.0	.630	124	4.882	122.2	4.811	1.8	.071	
11.50	.4528	15.10	.5945	35.00	1.378	38.7	1.524	16	860.2-1150-035A1-PM	★	16.0	.630	124	4.882	122.1	4.807	1.9	.075	
12.00	.4724	15.80	.6220	37.00	1.457	40.9	1.610	18	860.2-1200-036A1-PM	★	16.0	.630	124	4.882	122.0	4.803	2.0	.079	
12.10	.4764	16.30	.6417	37.00	1.457	41.1	1.618	18	860.2-1210-037A1-PM	★	18.0	.709	124	4.882	122.0	4.803	2.0	.079	
12.25	.4823	16.30	.6417	37.00	1.457	41.0	1.614	18	860.2-1225-037A1-PM	★	18.0	.709	124	4.882	122.0	4.803	2.0	.079	
12.50	.4921	16.90	.6654	38.00	1.496	42.2	1.661	18	860.2-1250-038A1-PM	★	18.0	.709	124	4.882	122.0	4.803	2.0	.079	
13.50	.5315	17.80	.7008	41.00	1.614	45.3	1.783	18	860.2-1350-041A1-PM	★	18.0	.709	131	5.157	128.8	5.071	2.2	.087	
14.00	.5512	18.90	.7441	42.00	1.654	46.7	1.839	20	860.2-1400-042A1-PM	★	20.0	.787	142	5.591	139.7	5.500	2.3	.091	
14.10	.5551	19.00	.7480	43.00	1.693	47.7	1.878	20	860.2-1410-043A1-PM	★	20.0	.787	142	5.591	139.7	5.500	2.3	.091	
14.25	.5610	19.20	.7559	43.00	1.693	47.8	1.882	20	860.2-1425-043A1-PM	★	20.0	.787	142	5.591	139.7	5.500	2.3	.091	
14.50	.5709	19.60	.7717	44.00	1.732	48.9	1.925	20	860.2-1450-044A1-PM	★	20.0	.787	142	5.591	139.7	5.500	2.3	.091	
15.00	.5906	19.60	.7717	45.00	1.772	49.7	1.957	20	860.2-1500-045A1-PM	★	20.0	.787	142	5.591	139.6	5.496	2.4	.094	
15.10	.5945	19.60	.7717	46.00	1.811	50.6	1.992	20	860.2-1510-046A1-PM	★	20.0	.787	142	5.591	139.6	5.496	2.4	.094	
15.50	.6102	19.60	.7717	47.00	1.850	51.5	2.028	20	860.2-1550-047A1-PM	★	20.0	.787	142	5.591	139.5	5.492	2.5	.098	
16.50	.6496	19.60	.7717	50.00	1.969	54.2	2.134	20	860.2-1650-050A1-PM	★	20.0	.787	153	6.024	150.4	5.921	2.6	.102	
17.50	.6890	19.60	.7717	53.00	2.087	56.8	2.236	20	860.2-1750-053A1-PM	★	20.0	.787	153	6.024	150.3	5.917	2.7	.106	

Accessories

Cylindrical sleeve with EasyFix™ positioning

22

Cylindrical sleeve with EasyFix™ positioning



				Dimensions, mm							
CZC _{MS}	CZC _{WS}	CNSC	CXSC	Ordering code	DCON _{MS}	DCON _{WS}	LSC	OAL	LF	BAR	KG
25	10.00	1	4	EFF-25-10	25.00	10.00	56.00	61.00	5	150	0.19
	12.00	1	4	EFF-25-12	25.00	12.00	80.00	61.00	5	150	0.17

General information

ISO 13399	24
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Coromant Recycling Concept (CRC)	29

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!

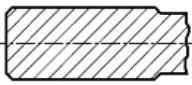
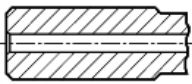
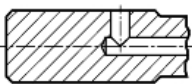
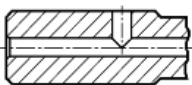
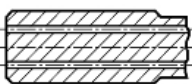
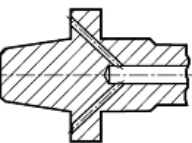
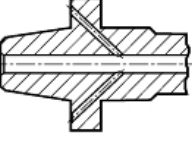
Short name	Preferred Name
ADJLN	Minimum adjustment limit
ADJLX	Maximum adjustment limit
ADJRG	Adjustment range
ALP	Clearance angle axial
AN	Clearance angle major
ANN	Clearance angle minor
APMX	Depth of cut maximum
APMX_EFW	Depth of cut maximum - end feed
APMX_FFW	Depth of cut maximum - side feed
AZ	Maximum 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

ENG

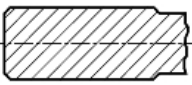
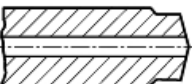
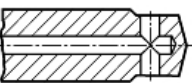
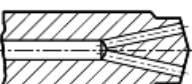
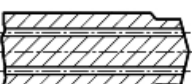
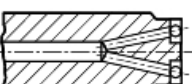
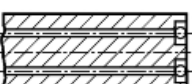
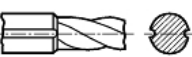
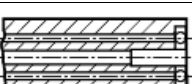
DAXX	Axial groove outside diameter maximum
DBC	Diameter bolt circle
DC	Cutting diameter
DCB	Connection bore diameter
DCBN	Connection bore diameter minimum
DCBX	Connection bore diameter maximum
DCF	Cutting diameter face contact
DCIN	Cutting diameter internal
DCN	Cutting diameter minimum
DCON	Connection 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
DSCF _{MS}	Contact surface diameter machine side
DSCF _{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!

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.



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

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

Collection box:

Transport box for solid carbide tools (plywood):

Transport box inserts (plywood):

Order numbers

91617

92994

92995

www.sandvik.coromant.com

