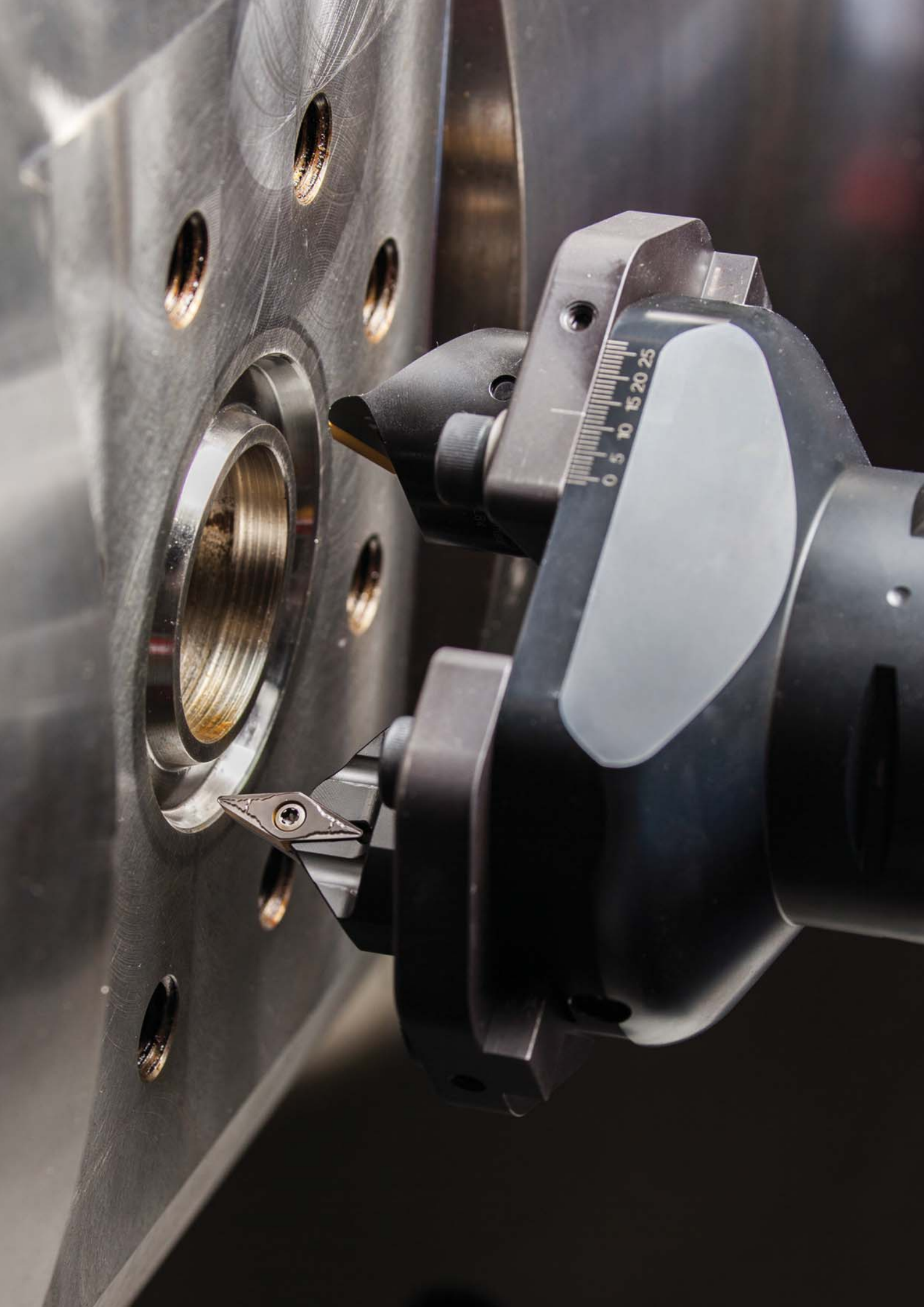


Rotating tools

MILLING
DRILLING
TAPPING
BORING
REAMING
ROTATING TOOL ADAPTORS



2015



CoroReamer® 830

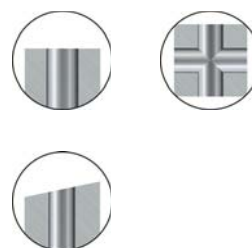
Solid carbide reamer

High feed exchangeable-head tool for through holes

Page N5



Application



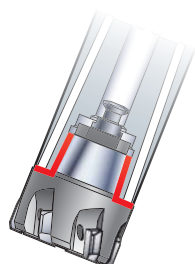
- For steel, nodular cast iron and malleable cast iron materials
- Through hole, angled surface and cross hole



ISO application area

Product range

- Boring range: 10.00–31.75 mm (.394–1.250 inch)
- Achievable hole tolerance: H7
- Brazed cermet inserts in grade P10R
- Short and long shank options
- Head change



Fast and easy head change with high accuracy < 3µm (120µinch).

CoroReamer® 435

Solid carbide reamer

Flexible and high-performance reamer, suitable for a wide range of materials

Page N15



Application



Spiral Flute

Straight Flute



ISO application area

Product range

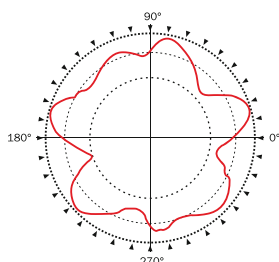
- Standard diameter: 3.97–20 mm (.156–.787 inch)
- Hole tolerance: IT7
- Available in spiral flute for through holes and straight flute for blind holes
- Available as Tailor Made option

Internal coolant (axial for straight flute and lateral for spiral flute) delivers coolant directly to the cutting zone, resulting in longer tool life and good chip evacuation.

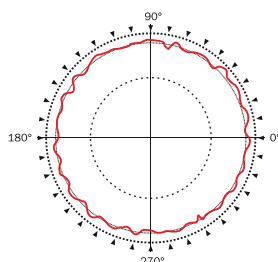
Flute geometry with extremely unequal flute spacing

Extremely unequal flute spacing means that the divide is not the same for each tooth. As there are no teeth diametrically opposite each other, the reamer produces a hole with improved hole roundness variance.

Tailor Made



Hole roundness with unequal spacing, <10 µm



Hole roundness with extremely unequal spacing, 1-2 µm

Available as Tailor Made option in intermediate sizes 3.97–20 mm (.156–.787 inch). See page Q5.

CoroReamer® 835

Solid carbide reamer

Material specific reamer for maximum performance



Application



Spiral Flute



Straight Flute



ISO application area

Page N7

Product range

- Standard diameter: 3.97–20.00 mm (.156–.787 inch)
- Hole tolerance: IT7
- Available in spiral flute for through holes and straight flute for blind holes
- Available as Tailor Made option

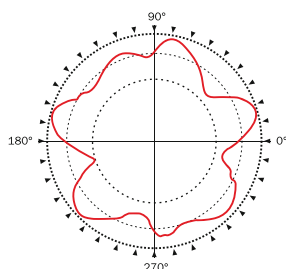
Internal coolant (axial for straight flute and lateral for spiral flute) delivers coolant directly to the cutting zone, resulting in longer tool life and good chip evacuation.

Flute geometry with extremely unequal flute spacing

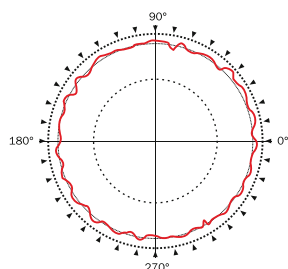
Extremely unequal flute spacing means that the divide is not the same for each tooth. As there are no teeth diametrically opposite each other, the reamer produces a hole with improved hole roundness variance.

Tailor Made

See page Q5



Hole roundness with unequal spacing, <10 µm



Hole roundness with extremely unequal spacing, 1-2 µm

- Available as Tailor Made in intermediate sizes 3.97–20 mm (.156–.787 inch) for ISO P and ISO M. See page Q5.
- Optimized geometries for ISO N and ISO H

How to choose your reamer

1 Define your hole diameter and material to ream

2 Select the type of reamer

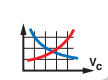
Choose a solid carbide reamer or a reamer with exchangeable head.

3 Choice of tool

If your choice is a solid carbide reamer, choose between reamers for through holes and blind holes, optimized for versatility or for specific materials

CoroReamer® 830 is a good choice for through holes, cross holes and angled surfaces in steel, nodular cast iron and malleable cast iron materials.

Symbols for page references:



Cutting data



Coolant supply information



Tailor Made options



Explanation of ISO 13399 parameters



Overview of tooling alternatives

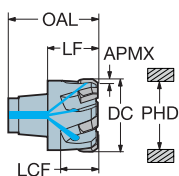
CoroReamer™ 830 solid carbide head for reaming

Internal coolant supply



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CNCS

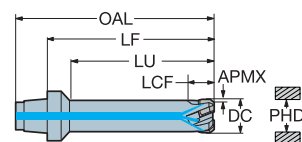
H7
1



		Dimensions, mm, inch																
DC	DC"	CZC _{MS}	TCHAL	TCHAU	Ordering code	PHD	PHD"	APMX	APMX"	OAL	OAL"	LF	LF"	LCF	LCF"	CP Bar	CP PSI	BSG
19.00	.748	S12	0.00	0.02	830A-E06D1900H7S12	18.80	.740	0.30	.011	25.85	1.017	14.50	.570	10.82	.426	20	290	COROMANT
19.05	.750	S12	0.00	0.02	830A-E06D1905H7S12	18.83	.741	0.30	.011	25.85	1.017	14.50	.570	10.82	.426	20	290	COROMANT
20.00	.787	S12	0.00	0.02	830A-E06D2000H7S12	19.80	.779	0.30	.011	25.85	1.017	14.50	.570	10.82	.426	20	290	COROMANT
21.00	.826	S12	0.00	0.02	830A-E06D2100H7S12	20.80	.818	0.30	.011	25.85	1.017	14.50	.570	10.82	.426	20	290	COROMANT
22.00	.866	S14	0.00	0.02	830A-E06D2200H7S14	21.80	.858	0.30	.011	27.85	1.096	15.50	.610	13.05	.513	20	290	COROMANT
23.00	.905	S14	0.00	0.02	830A-E06D2300H7S14	22.80	.897	0.30	.011	27.85	1.096	15.50	.610	13.05	.513	20	290	COROMANT
24.00	.944	S16	0.00	0.02	830A-E06D2400H7S16	23.80	.937	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT
25.00	.984	S16	0.00	0.02	830A-E06D2500H7S16	24.80	.976	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT
25.40	1.000	S16	0.00	0.02	830A-E06D2540H7S16	25.20	.992	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT
26.00	1.023	S16	0.00	0.02	830A-E06D2600H7S16	25.80	1.015	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT
27.00	1.062	S16	0.00	0.02	830A-E06D2700H7S16	26.80	1.055	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT
28.00	1.102	S16	0.00	0.02	830A-E06D2800H7S16	27.80	1.094	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT
29.00	1.141	S16	0.00	0.02	830A-E06D2900H7S16	28.80	1.133	0.30	.011	29.85	1.175	16.00	.629	13.05	.513	20	290	COROMANT
30.00	1.181	S20	0.00	0.02	830A-E06D3000H7S20	29.80	1.173	0.30	.011	31.85	1.253	17.00	.669	13.21	.520	20	290	COROMANT
31.75	1.250	S20	0.00	0.02	830A-E06D3175H7S20	31.60	1.244	0.30	.011	31.85	1.253	17.00	.669	13.21	.520	20	290	COROMANT

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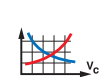
H7
1



							Dimensions, mm, inch													
DC	DC"	LU	LU"	CZC _{MS}	TCHAL	TCHAU	Ordering code	PHD	PHD"	APMX	APMX"	OAL	OAL"	LF	LF"	LCF	LCF"	CP 	CP 	BSG
10.00	.393	45.00	1.771	S12	0.00	0.01	830B-E06D1000H7S12	9.80	.385	0.30	.011	71.35	2.809	60.00	2.362	9.99	.393	20	290	COROMANT
11.00	.433	45.00	1.771	S12	0.00	0.01	830B-E06D1100H7S12	10.80	.425	0.30	.011	71.35	2.809	60.00	2.362	10.00	.393	20	290	COROMANT
12.00	.472	45.00	1.771	S12	0.00	0.01	830B-E06D1200H7S12	11.80	.464	0.30	.011	71.35	2.809	60.00	2.362	9.99	.393	20	290	COROMANT
13.00	.511	45.00	1.771	S12	0.00	0.01	830B-E06D1300H7S12	12.80	.503	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
14.00	.551	45.00	1.771	S12	0.00	0.01	830B-E06D1400H7S12	13.80	.543	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
15.00	.590	45.00	1.771	S12	0.00	0.01	830B-E06D1500H7S12	14.80	.582	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
16.00	.629	45.00	1.771	S12	0.00	0.01	830B-E06D1600H7S12	15.80	.622	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
17.00	.669	45.00	1.771	S12	0.00	0.01	830B-E06D1700H7S12	16.80	.661	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT
18.00	.708	45.00	1.771	S12	0.00	0.01	830B-E06D1800H7S12	17.80	.700	0.30	.011	71.35	2.809	60.00	2.362	10.00	.394	20	290	COROMANT



N6



N19



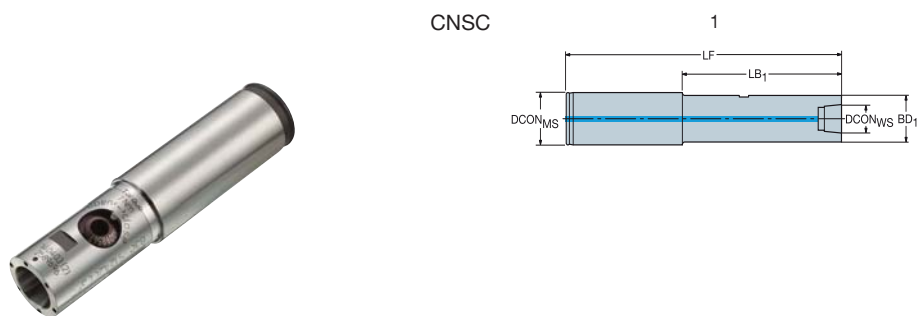
Q1



Q35

Cylindrical shank to CoroReamer™ 830 adaptor

Internal coolant supply



		Dimensions, mm, inch						
CZC _{MS}	CZC _{WS}	Ordering code	DCON _{MS}	LF	OAL	CP Bar	CP PSI	Kg
20	S12	830-S12A20035F	20	35.0	85.0	100		0.1
			.787	1.378	3.346		1450	
	S12	830-S12A20069F	20	68.5	118.5	100		0.2
			.787	2.697	4.665		1450	
	S12	830-S12A20130F	20	129.5	179.5	100		0.4
			.787	5.098	7.066		1450	
	S14	830-S14A20070F	20	69.5	119.5	100		0.2
			.787	2.736	4.704		1450	
	S14	830-S14A20131F	20	130.5	180.5	100		0.4
			.787	5.138	7.106		1450	
25	S16	830-S16A25090F	25	90.0	150.0	100		0.4
			.984	3.543	5.905		1450	
	S16	830-S16A25151F	25	151.0	211.0	100		0.6
			.984	5.945	8.307		1450	
	S20	830-S20A25089F	25	89.0	149.0	100		0.6
			.984	3.504	5.866		1450	
	S20	830-S20A25150F	25	150.0	210.0	100		1.0
			.984	5.906	8.267		1450	

Main spare parts

				
For reamer diameter	Key for head (mm)	Retention knob with cutting fluid through	Retention knob without cutting fluid through	
10-18 mm (.394-.709 inch)	3021 010-040 (4.0)	5519 107-01	—	
19-23 mm (.748-.906 inch)	3021 010-040 (4.0)	—	5519 106-01	
24-31.75 mm (.945-1.250 inch)	3021 010-050 (5.0)	—	5519 106-02	



O5



Q1



Q35

CoroReamer™ 835 solid carbide reamer

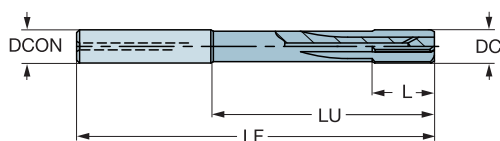
Straight Flute

For blind holes



TCHS
CNSC

H7
1



									Dimensions, mm, inch													
DC	DC"	LU	LU"	CZC _{MS}	TCHAL	TCHAU	Ordering code		1024	1024	DCON	DCON"	PHD	PHD"	LF	LF"	L	L"	CP Bar	CP PSI	BSG	
3.97	.156	39.00	1.535	6	0.00	0.01	835.B-0397-A1-PF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
3.98	.156	39.00	1.535	6	0.00	0.01	835.B-0398-A1-PF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
3.99	.157	39.00	1.535	6	0.00	0.01	835.B-0399-A1-PF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
4.00	.157	39.00	1.535	6	0.00	0.01	835.B-0400-A1-PF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
4.01	.157	39.00	1.535	6	0.00	0.01	835.B-0401-A1-PF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
4.02	.158	39.00	1.535	6	0.00	0.01	835.B-0402-A1-PF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT	
4.03	.158	39.00	1.535	6	0.00	0.01	835.B-0403-A1-PF	☆	☆	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT	
4.50	.177	39.00	1.535	6	0.00	0.01	835.B-0450-A1-PF	☆	☆	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT	
4.97	.195	39.00	1.535	6	0.00	0.01	835.B-0497-A1-PF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
4.98	.196	39.00	1.535	6	0.00	0.01	835.B-0498-A1-PF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
4.99	.196	39.00	1.535	6	0.00	0.01	835.B-0499-A1-PF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
5.00	.196	39.00	1.535	6	0.00	0.01	835.B-0500-A1-PF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
5.01	.197	39.00	1.535	6	0.00	0.01	835.B-0501-A1-PF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
5.02	.197	39.00	1.535	6	0.00	0.01	835.B-0502-A1-PF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT	
5.03	.198	39.00	1.535	6	0.00	0.01	835.B-0503-A1-PF	☆	☆	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT	
5.50	.216	39.00	1.535	6	0.00	0.01	835.B-0550-A1-PF	☆	☆	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT	
5.97	.235	39.00	1.535	6	0.00	0.01	835.B-0597-A1-PF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
5.98	.235	39.00	1.535	6	0.00	0.01	835.B-0598-A1-PF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
5.99	.235	39.00	1.535	6	0.00	0.01	835.B-0599-A1-PF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
6.00	.236	39.00	1.535	6	0.00	0.01	835.B-0600-A1-PF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
6.01	.236	39.00	1.535	6	0.00	0.01	835.B-0601-A1-PF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
6.02	.237	39.00	1.535	6	0.00	0.01	835.B-0602-A1-PF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT	
6.03	.237	39.00	1.535	6	0.00	0.01	835.B-0603-A1-PF	☆	☆	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT	
6.50	.255	64.00	2.519	8	0.00	0.01	835.B-0650-A1-PF	☆	☆	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT	
7.00	.275	64.00	2.519	8	0.00	0.01	835.B-0700-A1-PF	☆	☆	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT	
7.50	.295	64.00	2.519	8	0.00	0.01	835.B-0750-A1-PF	☆	☆	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT	
7.97	.313	64.00	2.519	8	0.00	0.01	835.B-0797-A1-PF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
7.98	.314	64.00	2.519	8	0.00	0.01	835.B-0798-A1-PF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
7.99	.314	64.00	2.519	8	0.00	0.01	835.B-0799-A1-PF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
8.00	.314	64.00	2.519	8	0.00	0.01	835.B-0800-A1-PF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
8.01	.315	64.00	2.519	8	0.00	0.01	835.B-0801-A1-PF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT	
8.02	.315	64.00	2.519	8	0.00	0.01	835.B-0802-A1-PF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT	
8.03	.316	64.00	2.519	8	0.00	0.01	835.B-0803-A1-PF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT	
8.50	.334	60.00	2.362	10	0.00	0.01	835.B-0850-A1-PF	☆	☆	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT	
9.00	.354	60.00	2.362	10	0.00	0.01	835.B-0900-A1-PF	☆	☆	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT	
9.50	.374	80.00	3.149	10	0.00	0.01	835.B-0950-A1-PF	☆	☆	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT	
9.97	.392	80.00	3.149	10	0.00	0.01	835.B-0997-A1-PF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
9.98	.392	80.00	3.149	10	0.00	0.01	835.B-0998-A1-PF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
9.99	.393	80.00	3.149	10	0.00	0.01	835.B-0999-A1-PF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
10.00	.393	80.00	3.149	10	0.00	0.01	835.B-1000-A1-PF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
10.01	.394	80.00	3.149	10	0.00	0.01	835.B-1001-A1-PF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT	
10.02	.394	80.00	3.149	10	0.00	0.01	835.B-1002-A1-PF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT	
10.03	.394	80.00	3.149	10	0.00	0.01	835.B-1003-A1-PF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT	
10.50	.413	75.00	2.952	12	0.00	0.01	835.B-1050-A1-PF	☆	☆	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT	
11.00	.433	75.00	2.952	12	0.00	0.01	835.B-1100-A1-PF	☆	☆	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT	
11.50	.452	75.00	2.952	12	0.00	0.01	835.B-1150-A1-PF	☆	☆	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT	
11.97	.471	75.00	2.952	12	0.00	0.01	835.B-1197-A1-PF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	
11.98	.471	75.00	2.952	12	0.00	0.01	835.B-1198-A1-PF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT	



O5



Q5



N20



Q1

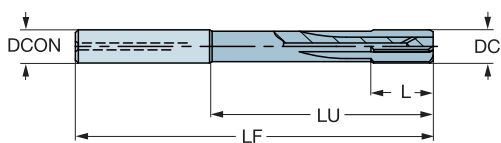


Q35

CoroReamer™ 835 solid carbide reamer

Straight Flute

For blind holes

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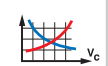
								P	K	Dimensions, mm, inch												
DC	DC"	LU	LU"	CZC _{MS}	TCHAL	TCHAU	Ordering code	1024	1024	DCON	DCON"	PHD	PHD"	LF	LF"	L	L"	CP Bar	CP PSI	BSG		
11.99	.472	75.00	2.952	12	0.00	0.01	835.B-1199-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
12.00	.472	75.00	2.952	12	0.00	0.01	835.B-1200-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
12.01	.472	75.00	2.952	12	0.00	0.01	835.B-1201-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
12.02	.473	75.00	2.952	12	0.00	0.01	835.B-1202-A1-PF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT		
12.03	.473	75.00	2.952	12	0.00	0.01	835.B-1203-A1-PF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT		
13.00	.511	85.00	3.346	14	0.00	0.01	835.B-1300-A1-PF	☆	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT		
14.00	.551	85.00	3.346	14	0.00	0.01	835.B-1400-A1-PF	☆	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT		
15.00	.590	82.00	3.228	16	0.00	0.01	835.B-1500-A1-PF	☆	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT		
16.00	.629	102.00	4.015	16	0.00	0.01	835.B-1600-A1-PF	☆	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT		
17.00	.669	102.00	4.015	18	0.00	0.01	835.B-1700-A1-PF	☆	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT		
18.00	.708	102.00	4.015	18	0.00	0.01	835.B-1800-A1-PF	☆	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT		
19.00	.748	100.00	3.937	20	0.00	0.02	835.B-1900-A1-PF	☆	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT		
20.00	.787	100.00	3.937	20	0.00	0.02	835.B-2000-A1-PF	☆	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT		



O5



Q5



N20



Q1

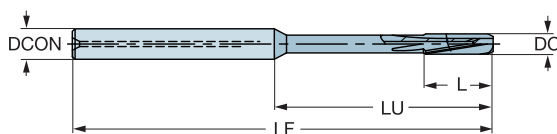


Q35

CoroReamer™ 835 solid carbide reamer

Spiral Flute

For through holes

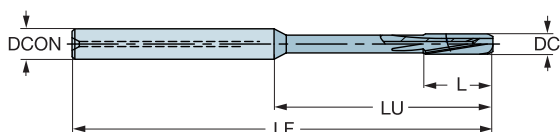
TCHA
CNSCH7
1

								P	K	Dimensions, mm, inch																		
								1024	1024														CP	CP				
DC	DC"	LU	LU"	CZC _{MS}	TCHAL	TCHAU	Ordering code			DCON	DCON"	PHD	PHD"	LF	LF"	L	L"	Bar	PSI	BSG								
3.97	.156	39.00	1.535	6	0.00	0.01	835.T-0397-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT								
3.98	.156	39.00	1.535	6	0.00	0.01	835.T-0398-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT								
3.99	.157	39.00	1.535	6	0.00	0.01	835.T-0399-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT								
4.00	.157	39.00	1.535	6	0.00	0.01	835.T-0400-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT								
4.01	.157	39.00	1.535	6	0.00	0.01	835.T-0401-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT								
4.02	.158	39.00	1.535	6	0.00	0.01	835.T-0402-A1-PF	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT								
4.03	.158	39.00	1.535	6	0.00	0.01	835.T-0403-A1-PF	☆	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT								
4.50	.177	39.00	1.535	6	0.00	0.01	835.T-0450-A1-PF	☆	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT								
4.97	.195	39.00	1.535	6	0.00	0.01	835.T-0497-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT								
4.98	.196	39.00	1.535	6	0.00	0.01	835.T-0498-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT								
4.99	.196	39.00	1.535	6	0.00	0.01	835.T-0499-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT								
5.00	.196	39.00	1.535	6	0.00	0.01	835.T-0500-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT								
5.01	.197	39.00	1.535	6	0.00	0.01	835.T-0501-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT								
5.02	.197	39.00	1.535	6	0.00	0.01	835.T-0502-A1-PF	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT								
5.03	.198	39.00	1.535	6	0.00	0.01	835.T-0503-A1-PF	☆	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT								
5.50	.216	39.00	1.535	6	0.00	0.01	835.T-0550-A1-PF	☆	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT								
5.97	.235	39.00	1.535	6	0.00	0.01	835.T-0597-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT								
5.98	.235	39.00	1.535	6	0.00	0.01	835.T-0598-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT								
5.99	.235	39.00	1.535	6	0.00	0.01	835.T-0599-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT								
6.00	.236	39.00	1.535	6	0.00	0.01	835.T-0600-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT								
6.01	.236	39.00	1.535	6	0.00	0.01	835.T-0601-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT								
6.02	.237	39.00	1.535	6	0.00	0.01	835.T-0602-A1-PF	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT								
6.03	.237	39.00	1.535	6	0.00	0.01	835.T-0603-A1-PF	☆	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT								
6.50	.255	64.00	2.519	8	0.00	0.01	835.T-0650-A1-PF	☆	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT								
7.00	.275	64.00	2.519	8	0.00	0.01	835.T-0700-A1-PF	☆	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT								
7.50	.295	64.00	2.519	8	0.00	0.01	835.T-0750-A1-PF	☆	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT								
7.97	.313	64.00	2.519	8	0.00	0.01	835.T-0797-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT								
7.98	.314	64.00	2.519	8	0.00	0.01	835.T-0798-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT								
7.99	.314	64.00	2.519	8	0.00	0.01	835.T-0799-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT								
8.00	.314	64.00	2.519	8	0.00	0.01	835.T-0800-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT								
8.01	.315	64.00	2.519	8	0.00	0.01	835.T-0801-A1-PF	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT								
8.02	.315	64.00	2.519	8	0.00	0.01	835.T-0802-A1-PF	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT								
8.03	.316	64.00	2.519	8	0.00	0.01	835.T-0803-A1-PF	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT								
8.50	.334	60.00	2.362	10	0.00	0.01	835.T-0850-A1-PF	☆	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT								
9.00	.354	60.00	2.362	10	0.00	0.01	835.T-0900-A1-PF	☆	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT								
9.50	.374	80.00	3.149	10	0.00	0.01	835.T-0950-A1-PF	☆	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT								
9.97	.392	80.00	3.149	10	0.00	0.01	835.T-0997-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT								
9.98	.392	80.00	3.149	10	0.00	0.01	835.T-0998-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT								
9.99	.393	80.00	3.149	10	0.00	0.01	835.T-0999-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT								
10.00	.393	80.00	3.149	10	0.00	0.01	835.T-1000-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT								
10.01	.394	80.00	3.149	10	0.00	0.01	835.T-1001-A1-PF	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT								
10.02	.394	80.00	3.149	10	0.00	0.01	835.T-1002-A1-PF	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT								
10.03	.394	80.00	3.149	10	0.00	0.01	835.T-1003-A1-PF	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT								
10.50	.413	75.00	2.952	12	0.00	0.01	835.T-1050-A1-PF	☆	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT								
11.00	.433	75.00	2.952	12	0.00	0.01	835.T-1100-A1-PF	☆	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT								
11.50	.452	75.00	2.952	12	0.00	0.01	835.T-1150-A1-PF	☆	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT								
11.97	.471	75.00	2.952	12	0.00	0.01	835.T-1197-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT								
11.98	.471	75.00	2.952	12	0.00	0.01	835.T-1198-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT								

CoroReamer™ 835 solid carbide reamer

Spiral Flute

For through holes

TCHA
CNSCH7
1

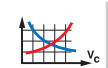
								P	K	Dimensions, mm, inch												
DC	DC"	LU	LU"	CZC _{MS}	TCHAL	TCHAU	Ordering code	1024	1024	DCON	DCON"	PHD	PHD"	LF	LF"	L	L"	CP Bar	CP PSI	BSG		
11.99	.472	75.00	2.952	12	0.00	0.01	835.T-1199-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
12.00	.472	75.00	2.952	12	0.00	0.01	835.T-1200-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
12.01	.472	75.00	2.952	12	0.00	0.01	835.T-1201-A1-PF	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
12.02	.473	75.00	2.952	12	0.00	0.01	835.T-1202-A1-PF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT		
12.03	.473	75.00	2.952	12	0.00	0.01	835.T-1203-A1-PF	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT		
13.00	.511	85.00	3.346	14	0.00	0.01	835.T-1300-A1-PF	☆	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT		
14.00	.551	85.00	3.346	14	0.00	0.01	835.T-1400-A1-PF	☆	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT		
15.00	.590	82.00	3.228	16	0.00	0.01	835.T-1500-A1-PF	☆	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT		
16.00	.629	102.00	4.015	16	0.00	0.01	835.T-1600-A1-PF	☆	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT		
17.00	.669	102.00	4.015	18	0.00	0.01	835.T-1700-A1-PF	☆	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT		
18.00	.708	102.00	4.015	18	0.00	0.01	835.T-1800-A1-PF	☆	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT		
19.00	.748	100.00	3.937	20	0.00	0.02	835.T-1900-A1-PF	☆	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT		
20.00	.787	100.00	3.937	20	0.00	0.02	835.T-2000-A1-PF	☆	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT		



O5



Q5



N20



Q1



Q35

CoroReamer™ 835 solid carbide reamer

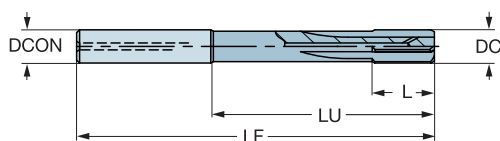
Straight Flute

For blind holes



TCHA
CNSC

H7
1



								M	Dimensions, mm, inch													
DC	DC"	LU	LU"	CZC _{MS}	TCHAL	TCHAU	Ordering code	1024	DCON	DCON"	PHD	PHD"	LF	LF"	L	L"	CP Bar	CP PSI	BSG			
3.97	.156	39.00	1.535	6	0.00	0.01	835.B-0397-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
3.98	.156	39.00	1.535	6	0.00	0.01	835.B-0398-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
3.99	.157	39.00	1.535	6	0.00	0.01	835.B-0399-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
4.00	.157	39.00	1.535	6	0.00	0.01	835.B-0400-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
4.01	.157	39.00	1.535	6	0.00	0.01	835.B-0401-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
4.02	.158	39.00	1.535	6	0.00	0.01	835.B-0402-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
4.03	.158	39.00	1.535	6	0.00	0.01	835.B-0403-A1-MF	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT			
4.50	.177	39.00	1.535	6	0.00	0.01	835.B-0450-A1-MF	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT			
4.97	.195	39.00	1.535	6	0.00	0.01	835.B-0497-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
4.98	.196	39.00	1.535	6	0.00	0.01	835.B-0498-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
4.99	.196	39.00	1.535	6	0.00	0.01	835.B-0499-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
5.00	.196	39.00	1.535	6	0.00	0.01	835.B-0500-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
5.01	.197	39.00	1.535	6	0.00	0.01	835.B-0501-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
5.02	.197	39.00	1.535	6	0.00	0.01	835.B-0502-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
5.03	.198	39.00	1.535	6	0.00	0.01	835.B-0503-A1-MF	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT			
5.50	.216	39.00	1.535	6	0.00	0.01	835.B-0550-A1-MF	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT			
5.97	.235	39.00	1.535	6	0.00	0.01	835.B-0597-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
5.98	.235	39.00	1.535	6	0.00	0.01	835.B-0598-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
5.99	.235	39.00	1.535	6	0.00	0.01	835.B-0599-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
6.00	.236	39.00	1.535	6	0.00	0.01	835.B-0600-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
6.01	.236	39.00	1.535	6	0.00	0.01	835.B-0601-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
6.02	.237	39.00	1.535	6	0.00	0.01	835.B-0602-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
6.03	.237	39.00	1.535	6	0.00	0.01	835.B-0603-A1-MF	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT			
6.50	.255	64.00	2.519	8	0.00	0.01	835.B-0650-A1-MF	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT			
7.00	.275	64.00	2.519	8	0.00	0.01	835.B-0700-A1-MF	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT			
7.50	.295	64.00	2.519	8	0.00	0.01	835.B-0750-A1-MF	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT			
7.97	.313	64.00	2.519	8	0.00	0.01	835.B-0797-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
7.98	.314	64.00	2.519	8	0.00	0.01	835.B-0798-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
7.99	.314	64.00	2.519	8	0.00	0.01	835.B-0799-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
8.00	.314	64.00	2.519	8	0.00	0.01	835.B-0800-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
8.01	.315	64.00	2.519	8	0.00	0.01	835.B-0801-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
8.02	.315	64.00	2.519	8	0.00	0.01	835.B-0802-A1-MF	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT			
8.03	.316	64.00	2.519	8	0.00	0.01	835.B-0803-A1-MF	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT			
8.50	.334	60.00	2.362	10	0.00	0.01	835.B-0850-A1-MF	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT			
9.00	.354	60.00	2.362	10	0.00	0.01	835.B-0900-A1-MF	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT			
9.50	.374	80.00	3.149	10	0.00	0.01	835.B-0950-A1-MF	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT			
9.97	.392	80.00	3.149	10	0.00	0.01	835.B-0997-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
9.98	.392	80.00	3.149	10	0.00	0.01	835.B-0998-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
9.99	.393	80.00	3.149	10	0.00	0.01	835.B-0999-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
10.00	.393	80.00	3.149	10	0.00	0.01	835.B-1000-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
10.01	.394	80.00	3.149	10	0.00	0.01	835.B-1001-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
10.02	.394	80.00	3.149	10	0.00	0.01	835.B-1002-A1-MF	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT			
10.03	.394	80.00	3.149	10	0.00	0.01	835.B-1003-A1-MF	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT			
10.50	.413	75.00	2.952	12	0.00	0.01	835.B-1050-A1-MF	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT			
11.00	.433	75.00	2.952	12	0.00	0.01	835.B-1100-A1-MF	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT			
11.50	.452	75.00	2.952	12	0.00	0.01	835.B-1150-A1-MF	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT			
11.97	.471	75.00	2.952	12	0.00	0.01	835.B-1197-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			
11.98	.471	75.00	2.952	12	0.00	0.01	835.B-1198-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			



O5



Q5



N20



Q1

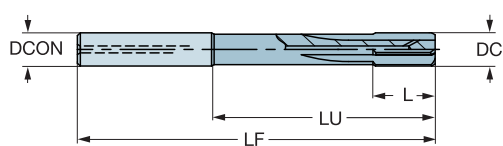


Q35

CoroReamer™ 835 solid carbide reamer

Straight Flute

For blind holes

TCHA
CN5CH7
1

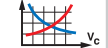
								M	Dimensions, mm, inch													
								1024											CP	CP		
DC	DC ^a	LU	LU ^a	CZC _{MS}	TCHAL	TCHAU	Ordering code		DCON	DCON ^a	PHD	PHD ^a	LF	LF ^a	L	L ^a	Bar	PSI	BSG			
11.99	.472	75.00	2.952	12	0.00	0.01	835.B-1199-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			
12.00	.472	75.00	2.952	12	0.00	0.01	835.B-1200-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			
12.01	.472	75.00	2.952	12	0.00	0.01	835.B-1201-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			
12.02	.473	75.00	2.952	12	0.00	0.01	835.B-1202-A1-MF	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT			
12.03	.473	75.00	2.952	12	0.00	0.01	835.B-1203-A1-MF	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT			
13.00	.511	85.00	3.346	14	0.00	0.01	835.B-1300-A1-MF	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT			
14.00	.551	85.00	3.346	14	0.00	0.01	835.B-1400-A1-MF	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT			
15.00	.590	82.00	3.228	16	0.00	0.01	835.B-1500-A1-MF	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT			
16.00	.629	102.00	4.015	16	0.00	0.01	835.B-1600-A1-MF	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT			
17.00	.669	102.00	4.015	18	0.00	0.01	835.B-1700-A1-MF	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT			
18.00	.708	102.00	4.015	18	0.00	0.01	835.B-1800-A1-MF	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT			
19.00	.748	100.00	3.937	20	0.00	0.02	835.B-1900-A1-MF	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT			
20.00	.787	100.00	3.937	20	0.00	0.02	835.B-2000-A1-MF	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT			



O5



Q5



N20



Q1

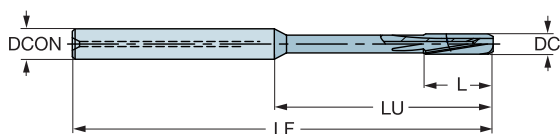


Q35

CoroReamer™ 835 solid carbide reamer

Spiral Flute

For through holes

TCHA
CNSCH7
1

								M	Dimensions, mm, inch													
DC	DC"	LU	LU"	CZC _{MS}	TCHAL	TCHAU	Ordering code	1024	DCON	DCON"	PHD	PHD"	LF	LF"	L	L"	CP Bar	CP PSI	BSG			
3.97	.156	39.00	1.535	6	0.00	0.01	835.T-0397-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
3.98	.156	39.00	1.535	6	0.00	0.01	835.T-0398-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
3.99	.157	39.00	1.535	6	0.00	0.01	835.T-0399-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
4.00	.157	39.00	1.535	6	0.00	0.01	835.T-0400-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
4.01	.157	39.00	1.535	6	0.00	0.01	835.T-0401-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
4.02	.158	39.00	1.535	6	0.00	0.01	835.T-0402-A1-MF	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT			
4.03	.158	39.00	1.535	6	0.00	0.01	835.T-0403-A1-MF	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT			
4.50	.177	39.00	1.535	6	0.00	0.01	835.T-0450-A1-MF	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT			
4.97	.195	39.00	1.535	6	0.00	0.01	835.T-0497-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
4.98	.196	39.00	1.535	6	0.00	0.01	835.T-0498-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
4.99	.196	39.00	1.535	6	0.00	0.01	835.T-0499-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
5.00	.196	39.00	1.535	6	0.00	0.01	835.T-0500-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
5.01	.197	39.00	1.535	6	0.00	0.01	835.T-0501-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
5.02	.197	39.00	1.535	6	0.00	0.01	835.T-0502-A1-MF	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT			
5.03	.198	39.00	1.535	6	0.00	0.01	835.T-0503-A1-MF	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT			
5.50	.216	39.00	1.535	6	0.00	0.01	835.T-0550-A1-MF	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT			
5.97	.235	39.00	1.535	6	0.00	0.01	835.T-0597-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
5.98	.235	39.00	1.535	6	0.00	0.01	835.T-0598-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
5.99	.235	39.00	1.535	6	0.00	0.01	835.T-0599-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
6.00	.236	39.00	1.535	6	0.00	0.01	835.T-0600-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
6.01	.236	39.00	1.535	6	0.00	0.01	835.T-0601-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
6.02	.237	39.00	1.535	6	0.00	0.01	835.T-0602-A1-MF	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT			
6.03	.237	39.00	1.535	6	0.00	0.01	835.T-0603-A1-MF	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT			
6.50	.255	64.00	2.519	8	0.00	0.01	835.T-0650-A1-MF	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT			
7.00	.275	64.00	2.519	8	0.00	0.01	835.T-0700-A1-MF	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT			
7.50	.295	64.00	2.519	8	0.00	0.01	835.T-0750-A1-MF	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT			
7.97	.313	64.00	2.519	8	0.00	0.01	835.T-0797-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
7.98	.314	64.00	2.519	8	0.00	0.01	835.T-0798-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
7.99	.314	64.00	2.519	8	0.00	0.01	835.T-0799-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
8.00	.314	64.00	2.519	8	0.00	0.01	835.T-0800-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
8.01	.315	64.00	2.519	8	0.00	0.01	835.T-0801-A1-MF	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT			
8.02	.315	64.00	2.519	8	0.00	0.01	835.T-0802-A1-MF	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT			
8.03	.316	64.00	2.519	8	0.00	0.01	835.T-0803-A1-MF	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT			
8.50	.334	60.00	2.362	10	0.00	0.01	835.T-0850-A1-MF	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT			
9.00	.354	60.00	2.362	10	0.00	0.01	835.T-0900-A1-MF	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT			
9.50	.374	80.00	3.149	10	0.00	0.01	835.T-0950-A1-MF	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT			
9.97	.392	80.00	3.149	10	0.00	0.01	835.T-0997-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
9.98	.392	80.00	3.149	10	0.00	0.01	835.T-0998-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
9.99	.393	80.00	3.149	10	0.00	0.01	835.T-0999-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
10.00	.393	80.00	3.149	10	0.00	0.01	835.T-1000-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
10.01	.394	80.00	3.149	10	0.00	0.01	835.T-1001-A1-MF	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT			
10.02	.394	80.00	3.149	10	0.00	0.01	835.T-1002-A1-MF	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT			
10.03	.394	80.00	3.149	10	0.00	0.01	835.T-1003-A1-MF	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT			
10.50	.413	75.00	2.952	12	0.00	0.01	835.T-1050-A1-MF	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT			
11.00	.433	75.00	2.952	12	0.00	0.01	835.T-1100-A1-MF	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT			
11.50	.452	75.00	2.952	12	0.00	0.01	835.T-1150-A1-MF	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT			
11.97	.471	75.00	2.952	12	0.00	0.01	835.T-1197-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			
11.98	.471	75.00	2.952	12	0.00	0.01	835.T-1198-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			



O5



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N20



Q1

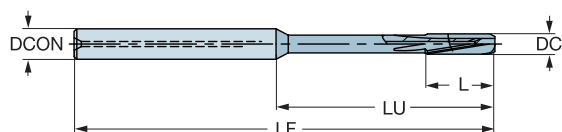


Q35

CoroReamer™ 835 solid carbide reamer

Spiral Flute

For through holes

TCHA
CN5CH7
1

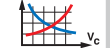
								M	Dimensions, mm, inch													
DC	DC*	LU	LU*	CZC _{MS}	TCHAL	TCHAU	Ordering code	1024	DCON	DCON*	PHD	PHD*	LF	LF*	L	L*	CP 	CP 	BSG			
11.99	.472	75.00	2.952	12	0.00	0.01	835.T-1199-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			
12.00	.472	75.00	2.952	12	0.00	0.01	835.T-1200-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			
12.01	.472	75.00	2.952	12	0.00	0.01	835.T-1201-A1-MF	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT			
12.02	.473	75.00	2.952	12	0.00	0.01	835.T-1202-A1-MF	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT			
12.03	.473	75.00	2.952	12	0.00	0.01	835.T-1203-A1-MF	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT			
13.00	.511	85.00	3.346	14	0.00	0.01	835.T-1300-A1-MF	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT			
14.00	.551	85.00	3.346	14	0.00	0.01	835.T-1400-A1-MF	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT			
15.00	.590	82.00	3.228	16	0.00	0.01	835.T-1500-A1-MF	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT			
16.00	.629	102.00	4.015	16	0.00	0.01	835.T-1600-A1-MF	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT			
17.00	.669	102.00	4.015	18	0.00	0.01	835.T-1700-A1-MF	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT			
18.00	.708	102.00	4.015	18	0.00	0.01	835.T-1800-A1-MF	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT			
19.00	.748	100.00	3.937	20	0.00	0.02	835.T-1900-A1-MF	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT			
20.00	.787	100.00	3.937	20	0.00	0.02	835.T-2000-A1-MF	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT			



O5



Q5



N20



Q1



Q35

CoroReamer™ 435 solid carbide reamer

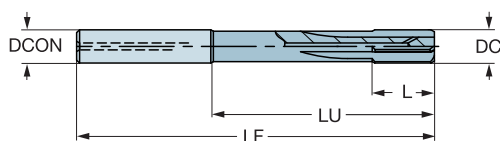
Straight Flute

For blind holes



TCHA
CNSC

H7
1



								P	K	N	Dimensions, mm, inch												
								H10F	H10F	H10F													
DC	DC"	LU	LU"	CZC _{MS}	TCHAL	TCHAU	Ordering code				DCON	DCON"	PHD	PHD"	LF	LF"	L	L"	 CP	 CP	BSG		
3.97	.156	39.00	1.535	6	0.00	0.01	435.B-0397-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
3.98	.156	39.00	1.535	6	0.00	0.01	435.B-0398-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
3.99	.157	39.00	1.535	6	0.00	0.01	435.B-0399-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.00	.157	39.00	1.535	6	0.00	0.01	435.B-0400-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.01	.157	39.00	1.535	6	0.00	0.01	435.B-0401-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.02	.158	39.00	1.535	6	0.00	0.01	435.B-0402-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.03	.158	39.00	1.535	6	0.00	0.01	435.B-0403-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT		
4.50	.177	39.00	1.535	6	0.00	0.01	435.B-0450-A1-XF	☆	☆	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT		
4.97	.195	39.00	1.535	6	0.00	0.01	435.B-0497-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
4.98	.196	39.00	1.535	6	0.00	0.01	435.B-0498-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
4.99	.196	39.00	1.535	6	0.00	0.01	435.B-0499-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.00	.196	39.00	1.535	6	0.00	0.01	435.B-0500-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.01	.197	39.00	1.535	6	0.00	0.01	435.B-0501-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.02	.197	39.00	1.535	6	0.00	0.01	435.B-0502-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.03	.198	39.00	1.535	6	0.00	0.01	435.B-0503-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT		
5.50	.216	39.00	1.535	6	0.00	0.01	435.B-0550-A1-XF	☆	☆	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT		
5.97	.235	39.00	1.535	6	0.00	0.01	435.B-0597-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
5.98	.235	39.00	1.535	6	0.00	0.01	435.B-0598-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
5.99	.235	39.00	1.535	6	0.00	0.01	435.B-0599-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.00	.236	39.00	1.535	6	0.00	0.01	435.B-0600-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.01	.236	39.00	1.535	6	0.00	0.01	435.B-0601-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.02	.237	39.00	1.535	6	0.00	0.01	435.B-0602-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.03	.237	39.00	1.535	6	0.00	0.01	435.B-0603-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT		
6.50	.255	64.00	2.519	8	0.00	0.01	435.B-0650-A1-XF	☆	☆	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT		
7.00	.275	64.00	2.519	8	0.00	0.01	435.B-0700-A1-XF	☆	☆	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT		
7.50	.295	64.00	2.519	8	0.00	0.01	435.B-0750-A1-XF	☆	☆	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT		
7.97	.313	64.00	2.519	8	0.00	0.01	435.B-0797-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
7.98	.314	64.00	2.519	8	0.00	0.01	435.B-0798-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
7.99	.314	64.00	2.519	8	0.00	0.01	435.B-0799-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.00	.314	64.00	2.519	8	0.00	0.01	435.B-0800-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.01	.315	64.00	2.519	8	0.00	0.01	435.B-0801-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.02	.315	64.00	2.519	8	0.00	0.01	435.B-0802-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT		
8.03	.316	64.00	2.519	8	0.00	0.01	435.B-0803-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT		
8.50	.334	60.00	2.362	10	0.00	0.01	435.B-0850-A1-XF	☆	☆	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT		
9.00	.354	60.00	2.362	10	0.00	0.01	435.B-0900-A1-XF	☆	☆	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT		
9.50	.374	80.00	3.149	10	0.00	0.01	435.B-0950-A1-XF	☆	☆	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT		
9.97	.392	80.00	3.149	10	0.00	0.01	435.B-0997-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
9.98	.392	80.00	3.149	10	0.00	0.01	435.B-0998-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
9.99	.393	80.00	3.149	10	0.00	0.01	435.B-0999-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.00	.393	80.00	3.149	10	0.00	0.01	435.B-1000-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.01	.394	80.00	3.149	10	0.00	0.01	435.B-1001-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.02	.394	80.00	3.149	10	0.00	0.01	435.B-1002-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT		
10.03	.394	80.00	3.149	10	0.00	0.01	435.B-1003-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT		
10.50	.413	75.00	2.952	12	0.00	0.01	435.B-1050-A1-XF	☆	☆	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT		
11.00	.433	75.00	2.952	12	0.00	0.01	435.B-1100-A1-XF	☆	☆	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT		
11.50	.452	75.00	2.952	12	0.00	0.01	435.B-1150-A1-XF	☆	☆	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT		
11.97	.471	75.00	2.952	12	0.00	0.01	435.B-1197-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
11.98	.471	75.00	2.952	12	0.00	0.01	435.B-1198-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		



O5



Q5



N24



Q1

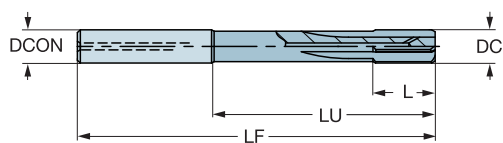


Q35

CoroReamer™ 435 solid carbide reamer

Straight Flute

For blind holes

TCHA
CN5CH7
1

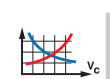
								P	K	N	Dimensions, mm, inch										
DC	DC ^a	LU	LU ^a	CZC _{MS}	TCHAL	TCHAU	Ordering code	H10F	H9F	H8F	DCON	DCON ^a	PHD	PHD ^a	LF	LF ^a	L	L ^a	CP 	CP 	BSG
11.99	.472	75.00	2.952	12	0.00	0.01	435.B-1199-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
12.00	.472	75.00	2.952	12	0.00	0.01	435.B-1200-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
12.01	.472	75.00	2.952	12	0.00	0.01	435.B-1201-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT
12.02	.473	75.00	2.952	12	0.00	0.01	435.B-1202-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT
12.03	.473	75.00	2.952	12	0.00	0.01	435.B-1203-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT
13.00	.511	85.00	3.346	14	0.00	0.01	435.B-1300-A1-XF	☆	☆	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT
14.00	.551	85.00	3.346	14	0.00	0.01	435.B-1400-A1-XF	☆	☆	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT
15.00	.590	82.00	3.228	16	0.00	0.01	435.B-1500-A1-XF	☆	☆	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT
16.00	.629	102.00	4.015	16	0.00	0.01	435.B-1600-A1-XF	☆	☆	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT
17.00	.669	102.00	4.015	18	0.00	0.01	435.B-1700-A1-XF	☆	☆	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT
18.00	.708	102.00	4.015	18	0.00	0.01	435.B-1800-A1-XF	☆	☆	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT
19.00	.748	100.00	3.937	20	0.00	0.02	435.B-1900-A1-XF	☆	☆	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT
20.00	.787	100.00	3.937	20	0.00	0.02	435.B-2000-A1-XF	☆	☆	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT



O5



Q5



N24



Q1

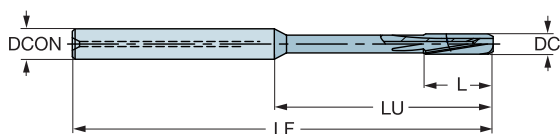


Q35

CoroReamer™ 435 solid carbide reamer

Spiral Flute

For through holes

TCHA
CNSCH7
1

								P	K	N	Dimensions, mm, inch												
								H10F	H7F	H7F													
DC	DC"	LU	LU"	CZC _{MS}	TCHAL	TCHAU	Ordering code				DCON	DCON"	PHD	PHD"	LF	LF"	L	L"	 CP Bar	 CP PSI	BSG		
3.97	.156	39.00	1.535	6	0.00	0.01	435.T-0397-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
3.98	.156	39.00	1.535	6	0.00	0.01	435.T-0398-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
3.99	.157	39.00	1.535	6	0.00	0.01	435.T-0399-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.00	.157	39.00	1.535	6	0.00	0.01	435.T-0400-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.01	.157	39.00	1.535	6	0.00	0.01	435.T-0401-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.02	.158	39.00	1.535	6	0.00	0.01	435.T-0402-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.40	2.929	12.00	.472	20	290	COROMANT		
4.03	.158	39.00	1.535	6	0.00	0.01	435.T-0403-A1-XF	☆	☆	☆	6.00	.236	3.80	.149	74.39	2.928	12.00	.472	20	290	COROMANT		
4.50	.177	39.00	1.535	6	0.00	0.01	435.T-0450-A1-XF	☆	☆	☆	6.00	.236	4.30	.169	74.32	2.925	12.00	.472	20	290	COROMANT		
4.97	.195	39.00	1.535	6	0.00	0.01	435.T-0497-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
4.98	.196	39.00	1.535	6	0.00	0.01	435.T-0498-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
4.99	.196	39.00	1.535	6	0.00	0.01	435.T-0499-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.00	.196	39.00	1.535	6	0.00	0.01	435.T-0500-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.01	.197	39.00	1.535	6	0.00	0.01	435.T-0501-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.02	.197	39.00	1.535	6	0.00	0.01	435.T-0502-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.25	2.923	12.00	.472	20	290	COROMANT		
5.03	.198	39.00	1.535	6	0.00	0.01	435.T-0503-A1-XF	☆	☆	☆	6.00	.236	4.80	.188	74.24	2.922	12.00	.472	20	290	COROMANT		
5.50	.216	39.00	1.535	6	0.00	0.01	435.T-0550-A1-XF	☆	☆	☆	6.00	.236	5.30	.208	74.17	2.920	12.00	.472	20	290	COROMANT		
5.97	.235	39.00	1.535	6	0.00	0.01	435.T-0597-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
5.98	.235	39.00	1.535	6	0.00	0.01	435.T-0598-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
5.99	.235	39.00	1.535	6	0.00	0.01	435.T-0599-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.00	.236	39.00	1.535	6	0.00	0.01	435.T-0600-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.01	.236	39.00	1.535	6	0.00	0.01	435.T-0601-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.02	.237	39.00	1.535	6	0.00	0.01	435.T-0602-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.10	2.917	12.00	.472	20	290	COROMANT		
6.03	.237	39.00	1.535	6	0.00	0.01	435.T-0603-A1-XF	☆	☆	☆	6.00	.236	5.80	.228	74.09	2.916	12.00	.472	20	290	COROMANT		
6.50	.255	64.00	2.519	8	0.00	0.01	435.T-0650-A1-XF	☆	☆	☆	8.00	.314	6.30	.248	99.02	3.898	16.00	.629	20	290	COROMANT		
7.00	.275	64.00	2.519	8	0.00	0.01	435.T-0700-A1-XF	☆	☆	☆	8.00	.314	6.80	.267	98.95	3.895	16.00	.629	20	290	COROMANT		
7.50	.295	64.00	2.519	8	0.00	0.01	435.T-0750-A1-XF	☆	☆	☆	8.00	.314	7.30	.287	98.87	3.892	16.00	.629	20	290	COROMANT		
7.97	.313	64.00	2.519	8	0.00	0.01	435.T-0797-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
7.98	.314	64.00	2.519	8	0.00	0.01	435.T-0798-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
7.99	.314	64.00	2.519	8	0.00	0.01	435.T-0799-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.00	.314	64.00	2.519	8	0.00	0.01	435.T-0800-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.01	.315	64.00	2.519	8	0.00	0.01	435.T-0801-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.80	3.889	16.00	.629	20	290	COROMANT		
8.02	.315	64.00	2.519	8	0.00	0.01	435.T-0802-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT		
8.03	.316	64.00	2.519	8	0.00	0.01	435.T-0803-A1-XF	☆	☆	☆	8.00	.314	7.80	.307	98.79	3.889	16.00	.629	20	290	COROMANT		
8.50	.334	60.00	2.362	10	0.00	0.01	435.T-0850-A1-XF	☆	☆	☆	10.00	.393	8.30	.326	98.72	3.886	20.00	.787	20	290	COROMANT		
9.00	.354	60.00	2.362	10	0.00	0.01	435.T-0900-A1-XF	☆	☆	☆	10.00	.393	8.80	.346	98.65	3.883	20.00	.787	20	290	COROMANT		
9.50	.374	80.00	3.149	10	0.00	0.01	435.T-0950-A1-XF	☆	☆	☆	10.00	.393	9.30	.366	118.57	4.668	20.00	.787	20	290	COROMANT		
9.97	.392	80.00	3.149	10	0.00	0.01	435.T-0997-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
9.98	.392	80.00	3.149	10	0.00	0.01	435.T-0998-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
9.99	.393	80.00	3.149	10	0.00	0.01	435.T-0999-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.00	.393	80.00	3.149	10	0.00	0.01	435.T-1000-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.01	.394	80.00	3.149	10	0.00	0.01	435.T-1001-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.50	4.665	20.00	.787	20	290	COROMANT		
10.02	.394	80.00	3.149	10	0.00	0.01	435.T-1002-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT		
10.03	.394	80.00	3.149	10	0.00	0.01	435.T-1003-A1-XF	☆	☆	☆	10.00	.393	9.80	.385	118.49	4.664	20.00	.787	20	290	COROMANT		
10.50	.413	75.00	2.952	12	0.00	0.01	435.T-1050-A1-XF	☆	☆	☆	12.00	.472	10.30	.405	118.42	4.662	20.00	.787	20	290	COROMANT		
11.00	.433	75.00	2.952	12	0.00	0.01	435.T-1100-A1-XF	☆	☆	☆	12.00	.472	10.80	.425	118.35	4.659	20.00	.787	20	290	COROMANT		
11.50	.452	75.00	2.952	12	0.00	0.01	435.T-1150-A1-XF	☆	☆	☆	12.00	.472	11.30	.444	118.27	4.656	20.00	.787	20	290	COROMANT		
11.97	.471	75.00	2.952	12	0.00	0.01	435.T-1197-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
11.98	.471	75.00	2.952	12	0.00	0.01	435.T-1198-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		



O5



Q5



N24



Q1

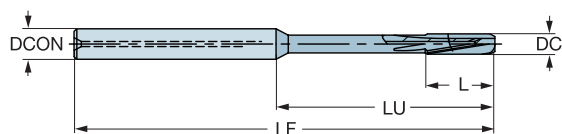


Q35

CoroReamer™ 435 solid carbide reamer

Spiral Flute

For through holes

TCHA
CN5CH7
1

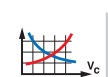
								P	K	N	Dimensions, mm, inch												
								H10F	H10F	H10F													
DC	DC ^a	LU	LU ^a	CZC _{MS}	TCHAL	TCHAU	Ordering code				DCON	DCON ^a	PHD	PHD ^a	LF	LF ^a	L	L ^a				BSG	
11.99	.472	75.00	2.952	12	0.00	0.01	435.T-1199-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
12.00	.472	75.00	2.952	12	0.00	0.01	435.T-1200-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
12.01	.472	75.00	2.952	12	0.00	0.01	435.T-1201-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.20	4.653	20.00	.787	20	290	COROMANT		
12.02	.473	75.00	2.952	12	0.00	0.01	435.T-1202-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT		
12.03	.473	75.00	2.952	12	0.00	0.01	435.T-1203-A1-XF	☆	☆	☆	12.00	.472	11.80	.464	118.19	4.653	20.00	.787	20	290	COROMANT		
13.00	.511	85.00	3.346	14	0.00	0.01	435.T-1300-A1-XF	☆	☆	☆	14.00	.551	12.80	.503	128.05	5.041	22.00	.866	20	290	COROMANT		
14.00	.551	85.00	3.346	14	0.00	0.01	435.T-1400-A1-XF	☆	☆	☆	14.00	.551	13.80	.543	127.90	5.035	22.00	.866	20	290	COROMANT		
15.00	.590	82.00	3.228	16	0.00	0.01	435.T-1500-A1-XF	☆	☆	☆	16.00	.629	14.80	.582	127.75	5.029	22.00	.866	20	290	COROMANT		
16.00	.629	102.00	4.015	16	0.00	0.01	435.T-1600-A1-XF	☆	☆	☆	16.00	.629	15.80	.622	147.60	5.811	25.00	.984	20	290	COROMANT		
17.00	.669	102.00	4.015	18	0.00	0.01	435.T-1700-A1-XF	☆	☆	☆	18.00	.708	16.80	.661	147.45	5.805	25.00	.984	20	290	COROMANT		
18.00	.708	102.00	4.015	18	0.00	0.01	435.T-1800-A1-XF	☆	☆	☆	18.00	.708	17.80	.700	147.30	5.799	25.00	.984	20	290	COROMANT		
19.00	.748	100.00	3.937	20	0.00	0.02	435.T-1900-A1-XF	☆	☆	☆	20.00	.787	18.80	.740	147.14	5.792	25.00	.984	20	290	COROMANT		
20.00	.787	100.00	3.937	20	0.00	0.02	435.T-2000-A1-XF	☆	☆	☆	20.00	.787	19.80	.779	146.99	5.787	25.00	.984	20	290	COROMANT		



O5



Q5



N24



Q1



Q35

Cutting data for Reamer 830

Metric values

ISO	CMC	Material	Hardness Brinell HB	Grade	Cutting speed V_c m/min	Feed f_z mm/insert	Radial depth of cut a_p mm
P	01.1 01.2 01.3 01.4	Unalloyed steel					
		Non-hardened 0.10-0.25% C	90-200	P10R	150-200	0.15-0.25	0.1-0.3
		Non-hardened 0.25-0.55% C	125-225		150-200	0.15-0.25	
		Non-hardened 0.55-0.80% C	150-225		140-180	0.15-0.25	
		High carbon & carbon tool steel	180-225		140-180	0.15-0.25	
	02.1 02.2	Low alloy steel		P10R			0.1-0.3
		Non-hardened	150-260		110-180	0.15-0.25	
		Hardened and tempered	220-400		70-130	0.10-0.20	
	06.1 06.2	Steel castings		P10R			0.1-0.3
		Unalloyed	90-225		140-180	0.15-0.25	
		Low alloyed	150-250		100-150	0.15-0.25	
K	07.2	Malleable cast iron Pearlitic	150-270	P10R	150-200	0.15-0.25	0.1-0.3
	09.2	Nodular cast iron Pearlitic	200-300	P10R	110-190	0.15-0.25	0.1-0.3

Inch values

ISO	CMC	Material	Hardness Brinell HB	Grade	Cutting speed V_c ft/min	Feed f_z inch/insert	Radial depth of cut a_p inch
P	01.1 01.2 01.3 01.4	Unalloyed steel					
		Non-hardened 0.10-0.25% C	90-200	P10R	490-650	.006-.010	.004-.012
		Non-hardened 0.25-0.55% C	125-225		490-650	.006-.010	
		Non-hardened 0.55-0.80% C	150-225		460-590	.006-.010	
		High carbon & carbon tool steel	180-225		460-590	.006-.010	
	02.1 02.2	Low alloy steel		P10R			.004-.012
		Non-hardened	150-260		360-590	.006-.010	
		Hardened and tempered	220-400		230-425	.004-.008	
	06.1 06.2	Steel castings		P10R			.004-.012
		Unalloyed	90-225		460-590	.006-.010	
		Low alloyed	150-250		330-490	.006-.010	
K	07.2	Malleable cast iron Pearlitic	150-270	P10R	490-650	.006-.010	.004-.012
	09.2	Nodular cast iron Pearlitic	200-300	P10R	360-620	.006-.010	.004-.012

Cutting data for CoroReamer™ 835

Metric values

Geometry -MF

ISO	MC No.	Material	N/mm ²	HB	MF v _c m/min		
					Min.	Rec.	Max.
P	P5.0.Z.PH		503	330	24	30	36
M		Stainless steel					
	M1.0.Z.AQ	Austenitic	811	200	32	40	48
	M2.0.Z.AQ	Super austenitic Ni≥20%	961	200	32	40	48
	M3.1.Z.AQ		674	230	24	30	36
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	674	260	24	30	36
	M1.0.C.UT		674	200	32	40	48
	M2.0.C.AQ			200	32	40	48
	M3.1.C.AQ		1114	230	24	30	36

Geometry -PF

ISO	MC No.	Material	N/mm ²	HB	PF v _c m/min		
					Min.	Rec.	Max.
P		Unalloyed steel					
	P1.1.Z.AN	C=0.10-0.25%	428	125	148	185	222
	P1.1.Z.AN	Hardened and tempered	639	190	148	185	222
	P1.2.Z.AN	C=0.25-0.55%	639	190	148	185	222
	P1.2.Z.HT		708	210	128	160	192
	P1.3.Z.AN	C=0.55-0.80%	639	190	148	185	222
	P1.3.Z.HT		991	300	112	140	168
		Low alloy steel					
	P2.1.Z.AN	Non hardened	591	175	148	185	222
	P2.2.Z.AN	Annealed	811	240	128	160	192
	P2.3.Z.AN		867	260	112	140	168
	P2.5.Z.HT.1	Hardened and tempered	961	285	112	140	168
		Steel castings					
	P1.5.C.UT	Unalloyed	503	150	148	185	222
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	674	200	128	160	192
		High alloy steel					
	P3.0.Z.AN	Annealed	674	200	128	160	192
	P3.0.Z.HT.1	Hardened tool steel	1282	380	96	120	144
	P3.1.Z.AN	Annealed HSS	839	250	128	160	192
	P5.0.Z.HT.1		1114	330	128	160	192
K		Malleable cast iron					
	K1.1.C.NS	Ferritic Pearlitic	428	200	72	90	108
		Grey cast iron					
	K2.1.C.UT	Low tensile strength	639	180	96	120	144
	K2.2.C.UT	High tensile strength	639	245	148	185	222
	K2.3.C.UT		708	175	72	90	108
		Nodular cast iron					
	K3.1.C.UT	Ferritic	639	155	72	90	108
	K3.2.C.UT	Pearlitic	991	215	72	90	108
	K3.3.C.UT	Pearlitic	503	265	72	90	108
O	K3.5.C.UT		591	190	72	90	108
	K5.1.C.NS	ADI	961	300	48	60	72

Cutting data for CoroReamer™ 835

Metric values

Geometry -MF

3	5	8	DC 10 <i>f_n mm/rev.</i>	12	16	20
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47
0.16	0.20	0.27	0.32	0.36	0.41	0.47

Geometry -PF

3	5	8	DC 10 <i>f_n mm/rev.</i>	12	16	20
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.21	0.5	0.7	0.7	1.0	1.0	1.0
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.21	0.5	0.7	0.7	1.0	1.0	1.0
0.21	0.5	0.7	0.7	1.0	1.0	1.0
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.21	0.5	0.7	0.7	1.0	1.0	1.0
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5
0.3	0.7	1.0	1.0	1.5	1.5	1.5

Cutting data for CoroReamer™ 835

Inch values

Geometry -MF

ISO	MC No.	Material	N/mm ²	HB	MF v _c feet/min		
					Min.	Rec.	Max.
P	P5.0.Z.PH		503	330	79	98	118
M	M1.0.Z.AQ	Stainless steel	811	200	105	131	157
	M2.0.Z.AQ	Austenitic	961	200	105	131	157
	M3.1.Z.AQ	Super austenitic Ni≥20%	674	230	79	98	118
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	674	260	79	98	118
	M1.0.C.UT		674	200	105	131	157
	M2.0.C.AQ		200	105	131	157	
	M3.1.C.AQ		1114	230	79	98	118

Geometry -PF

ISO	MC No.	Material	N/mm ²	HB	PF v _c feet/min		
					Min.	Rec.	Max.
P	P1.1.Z.AN	Unalloyed steel	428	125	486	607	728
	P1.1.Z.AN	C=0.10-0.25%	639	190	486	607	728
	P1.2.Z.AN	Hardened and tempered	639	190	486	607	728
	P1.2.Z.AN	C=0.25-0.55%	708	210	420	525	630
	P1.3.Z.HT		639	190	486	607	728
	P1.3.Z.HT	C=0.55-0.80%	991	300	367	459	551
	P2.1.Z.AN	Low alloy steel	591	175	486	607	728
	P2.2.Z.AN	Non hardened	811	240	420	525	630
	P2.3.Z.AN	Annealed	867	260	367	459	551
	P2.5.Z.HT.1	Hardened and tempered	961	285	367	459	551
	P1.5.C.UT	Steel castings	503	150	486	607	728
	P2.6.C.UT	Unalloyed	674	200	420	525	630
	P3.0.Z.AN	Low alloyed (alloying elements ≤ 5%)	674	200	420	525	630
	P3.0.Z.HT.1	High alloy steel	674	200	420	525	630
	P3.0.Z.HT.1	Annealed	1282	380	315	394	472
	P3.1.Z.AN	Hardened tool steel	839	250	420	525	630
	P5.0.Z.HT.1	Annealed HSS	1114	330	420	525	630
K	K1.1.C.NS	Malleable cast iron	428	200	236	295	354
	K2.1.C.UT	Ferritic Pearlitic	639	180	315	394	472
	K2.2.C.UT	Grey cast iron	639	245	486	607	728
	K2.3.C.UT	Low tensile strength	708	175	236	295	354
	K3.1.C.UT	High tensile strength	639	155	236	295	354
	K3.2.C.UT	Nodular cast iron	991	215	236	295	354
	K3.3.C.UT	Ferritic	503	265	236	295	354
	K3.5.C.UT	Pearlitic	591	190	236	295	354
	K5.1.C.NS	Pearlitic	961	300	157	197	236

Cutting data for CoroReamer™ 435

Metric values

Geometry -XF

ISO	MC No.	Material	N/mm ²	HB	XF v _c m/min		
					Min.	Rec.	Max.
P		Unalloyed steel					
	P1.1.Z.AN	C=0.10-0.25%	428	125	24	30	36
	P1.1.Z.AN	Hardened and tempered	639	190	24	30	36
	P1.2.Z.AN	C=0.25-0.55%	639	190	24	30	36
	P1.2.Z.HT		708	210	20	25	30
	P1.3.Z.AN	C=0.55-0.80%	639	190	24	30	36
	P1.3.Z.HT		991	300	16	20	24
		Low alloy steel					
	P2.1.Z.AN	Non-hardened	591	175	24	30	36
	P2.2.Z.AN	Annealed	811	240	20	25	30
	P2.3.Z.AN		867	260	16	20	24
	P2.5.Z.HT.1	Hardened and tempered	961	285	16	20	24
		Steel castings					
	P1.5.C.UT	Unalloyed	503	150	24	30	36
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	674	200	20	25	30
		High alloy steel					
	P3.0.Z.AN	Annealed	674	200	20	25	30
	P3.0.Z.HT.1		1282	380	12	15	18
	P3.1.Z.AN	Annealed HSS	839	250	20	25	30
	P5.0.Z.HT.1		1114	330	20	25	30
	P5.0.Z.PH		503	330			
M		Stainless steel					
	M1.0.Z.AQ	Austenitic	811	200	-	-	-
	M2.0.Z.AQ	Super austenitic Ni≥20%	961	200	-	-	-
	M3.1.Z.AQ		674	230	-	-	-
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	674	260	-	-	-
	M1.0.C.UT		674	200	-	-	-
	M2.0.C.AQ			200	-	-	-
	M3.1.C.AQ		1114	230	-	-	-
K		Malleable cast iron					
	K1.1.C.NS	Ferritic Pearlitic	428	200	24	30	36
		Grey cast iron					
	K2.1.C.UT	Low tensile strengt	639	180	32	40	48
	K2.2.C.UT	High tensile strength	639	245	32	40	48
	K2.3.C.UT		708	175	24	30	36
		Nodular cast iron					
	K3.1.C.UT	Ferritic	639	155	24	30	36
	K3.2.C.UT	Pearlitic	991	215	24	30	36
	K3.3.C.UT	Pearlitic	503	265	24	30	36
N	K3.5.C.UT		591	190	24	30	36
	K5.1.C.NS	ADI	961	300	24	30	36
		Aluminium alloys					
	N1.2.Z.UT	Wrought or wrought and coldworked, non-aging	400	60	64	80	96
	N1.2.Z.AG	Wrought or wrought and aged	650	100	64	80	96
	N1.3.C.UT	Cast, non aging	600	75	64	80	96
	N1.3.C.AG	Cast or cast and aged	700	90	64	80	96
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	700	130	64	80	96
		Copper based alloys					
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	550	110	64	80	96
	N3.1.U.UT	Non-leaded copper alloys (incl. electrolytic copper)	1350	100	64	80	96

Geometry -XF

[illegible]

Cutting data for CoroReamer™ 435

Inch values

Geometry -XF

ISO	MC No.	Material	N/mm ²	HB	XF v _c feet/min		
					Min.	Rec.	Max.
P		Unalloyed steel					
	P1.1.Z.AN	C=0.10-0.25%	428	125	79	98	118
	P1.1.Z.AN	Hardened and tempered	639	190	79	98	118
	P1.2.Z.AN	C=0.25-0.55%	639	190	79	98	118
	P1.2.Z.HT		708	210	66	82	98
	P1.3.Z.AN	C=0.55-0.80%	639	190	79	98	118
	P1.3.Z.HT		991	300	52	66	79
		Low alloy steel					
	P2.1.Z.AN	Non-hardened	591	175	79	98	118
	P2.2.Z.AN	Annealed	811	240	66	82	98
	P2.3.Z.AN		867	260	52	66	79
	P2.5.Z.HT.1	Hardened and tempered	961	285	52	66	79
		Steel castings					
	P1.5.C.UT	Unalloyed	503	150	79	98	118
	P2.6.C.UT	Low alloyed (alloying elements ≤ 5%)	674	200	66	82	98
		High alloy steel					
	P3.0.Z.AN	Annealed	674	200	66	82	98
	P3.0.Z.HT.1		1282	380	39	49	59
	P3.1.Z.AN	Annealed HSS	839	250	66	82	98
	P5.0.Z.HT.1		1114	330	66	82	98
	P5.0.Z.PH		503	330			
M		Stainless steel					
	M1.0.Z.AQ	Austenitic	811	200	-	-	-
	M2.0.Z.AQ	Super austenitic Ni≥20%	961	200	-	-	-
	M3.1.Z.AQ		674	230	-	-	-
	M3.2.Z.AQ	Duplex (austenitic/ferritic)	674	260	-	-	-
	M1.0.C.UT		674	200	-	-	-
	M2.0.C.AQ			200	-	-	-
	M3.1.C.AQ		1114	230	-	-	-
K		Malleable cast iron					
	K1.1.C.NS	Ferritic Pearlitic	428	200	79	98	118
		Grey cast iron					
	K2.1.C.UT	Low tensile strength	639	180	105	131	157
	K2.2.C.UT	High tensile strength	639	245	105	131	157
	K2.3.C.UT		708	175	79	98	118
		Nodular cast iron					
	K3.1.C.UT	Ferritic	639	155	79	98	118
	K3.2.C.UT	Pearlitic	991	215	79	98	118
	K3.3.C.UT	Pearlitic	503	265	79	98	118
N		ADI					
	K5.1.C.NS		591	190	79	98	118
		Aluminium alloys					
	N1.2.Z.UT	Wrought or wrought and coldworked, non-aging	400	60	210	262	315
	N1.2.Z.AG	Wrought or wrought and aged	650	100	210	262	315
	N1.3.C.UT	Cast, non aging	600	75	210	262	315
	N1.3.C.AG	Cast or cast and aged	700	90	210	262	315
	N1.4.C.NS	AlSi cast alloys, Si ≥ 13%	700	130	210	262	315
		Copper based alloys					
	N3.3.U.UT	Free cutting copper based alloys (Pb>1%)	550	110	210	262	315
	N3.1.U.UT	Non-lead copper alloys (incl. electrolytic copper)	1350	100	210	262	315

Geometry -XF

[illegible]