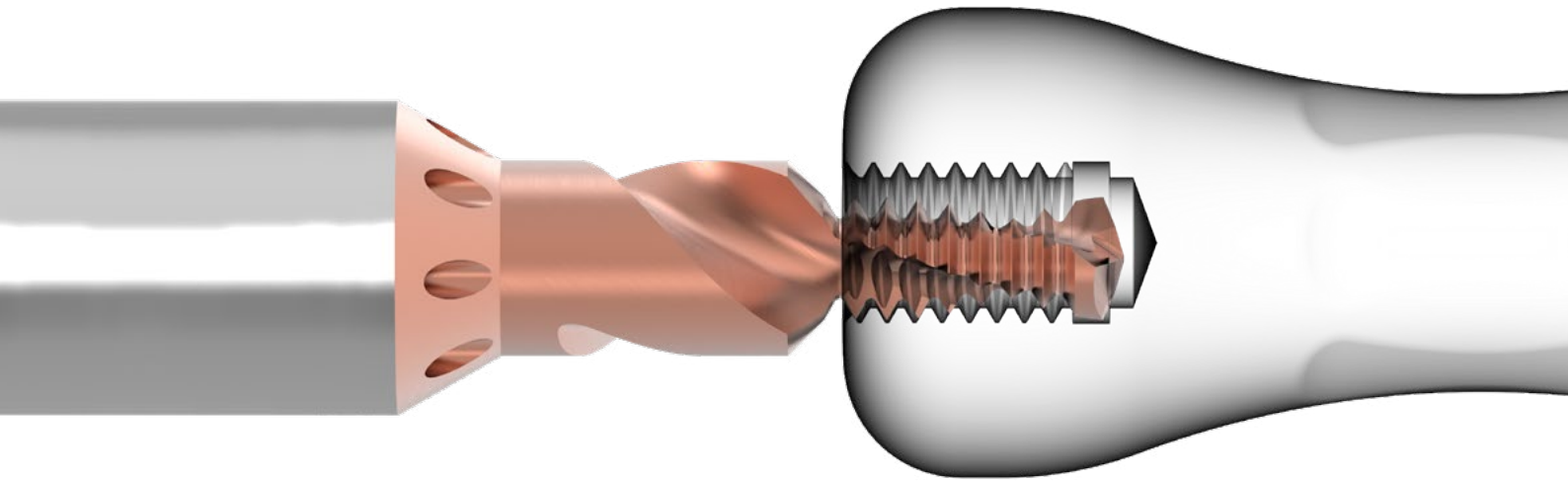
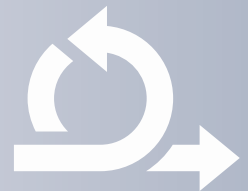


THREAD DRILLING & MILLING

HB microtec[®]
ACTIONTOOLS & ENGINEERING

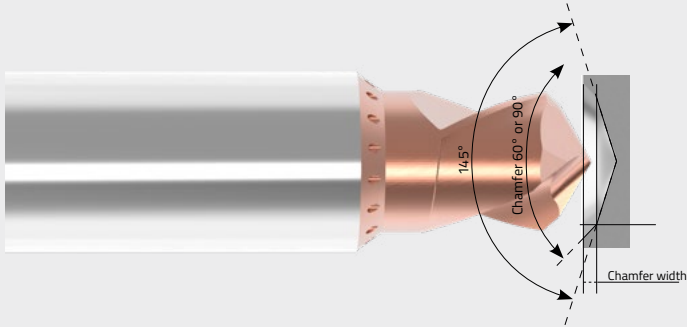
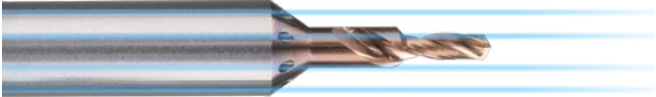
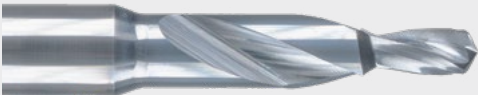


ACTIONDRILL[®]
by HB microtec

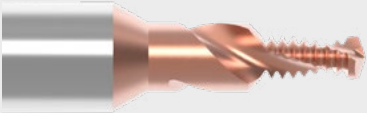
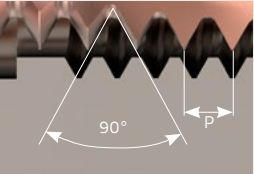


TARGETDRILL[®]
by HB microtec

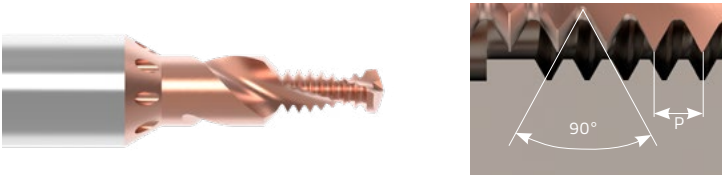


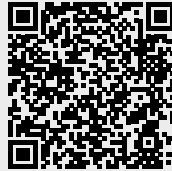
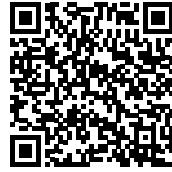
	Product image	Page
ACTIONDRILL® by HB microtec Double-Center cooled		14
ACTIONDRILL® by HB microtec INOX-170Pilot		20
ACTIONDRILL® by HB microtec INOX-Pilot		24
ACTIONDRILL® by HB microtec INOX-3xD-Pilot cooled		30
TARGETDRILL® by HB microtec INOX-Pilot 130°		32

Flyer	Highlights
	■ Combination tool Centering with 145° + chamfering (60° or 90°) ■ Centering is tailored to the drill diameter ■ The drill corners are protected ■ Integrated cooling prevents chip build-up and leaves a clean centering for the following drill ■ Short process times and high process reliability
	■ Direct drilling on inclined surfaces ■ For surfaces with an inclination angle up to 61° ■ Combination tool: drilling + chamfering ■ Perfect positional accuracy ■ Shorter process times and high process reliability
	■ Combination tool: centering + drilling + chamfering ■ Perfect positional accuracy ■ 2xD drilling + chamfering ■ Pilot drill (tolerance Øk6) for deep-hole drilling ■ Shorter process times and high process reliability
	■ Combination tool: centering + drilling + chamfering ■ High performance & positioning accuracy ■ "Micro" step drill with integrated cooling ■ 3xD pilot drill for your deep-hole application ■ Winding chips are efficiently flushed away
	■ Combination tool: centering + drilling + chamfering ■ Perfect positional accuracy ■ 2xD drilling + chamfering ■ Pilot drill (tolerance Øm5) for deep-hole drilling ■ Shorter process times and high process reliability

	Product image	Page
TARGETDRILL® by HB microtec Thread-Core 3.5xD-Pilot cooled		38
TARGETDRILL® by HB microtec INOX-6xD cooled		42
TARGETDRILL® by HB microtec INOX-Flatdrill 180°		46
TARGETDRILL® by HB microtec micro-INOX 3xD		50
TARGETDRILL® by HB microtec micro-INOX 5xD		52
TARGETDRILL® by HB microtec Thread-Drill-Mill	 	60

Flyer	Highlights
	■ Combination tool: centering + drilling + chamfering ■ High-performance 4-margin drill ■ 3.5xD core drill for all thread types up to M8 ■ Pilot drill (tolerance Øm6) for deep hole drilling ■ Shorter process times and high process reliability
	■ Self-centering ■ Perfect alignment accuracy - 6xD with 4 margins ■ High cutting and feed speeds possible ■ High performance & positioning accuracy ■ A plus for your process reliability and quality
	■ High positioning accuracy ■ Excellent price-performance ratio ■ Can be used as short drill or pilot drill ■ Drill on inclined, round or curved surfaces ■ Spot facing is no longer necessary
	■ From Ø 0.1 to Ø 2.65 in 0.01 mm increments, available from stock ■ 3xD micro-INOX drill ■ Reinforced shank ■ Available coated and uncoated ■ Excellent price-performance ratio
	■ From Ø 0.1 to Ø 3.0 in 0.01 mm increments, available from stock ■ 5xD micro-INOX drill ■ Reinforced shank ■ Available coated and uncoated ■ Excellent price-performance ratio
	■ Drilling, milling, and countersinking with a solid carbide tool ■ Maximum productivity ■ Reduction of non-productive time ■ Machine non-ferrous metals and titanium alloys with the same tool ■ Available in standard sizes starting at M2

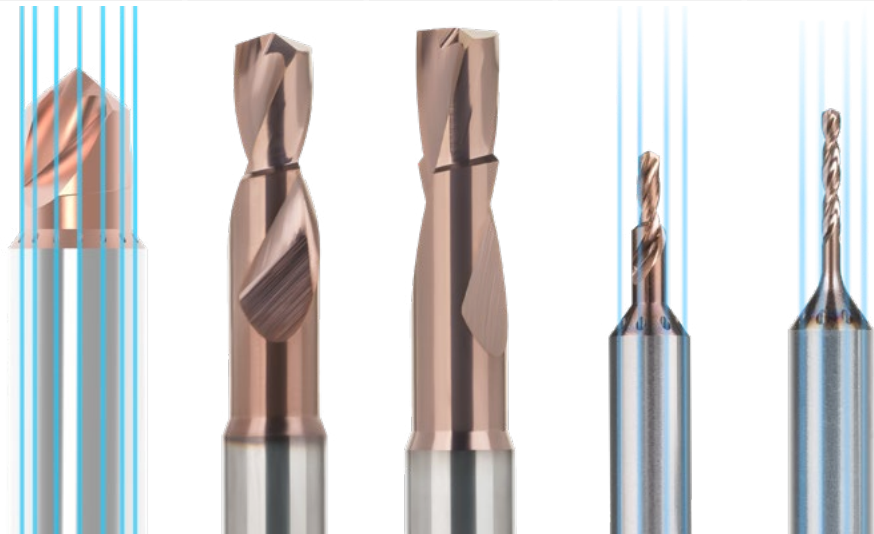
	Product image	Page
TARGETDRILL® by HB microtec Thread-Drill-Mill		62
ACTIONMILL® by HB microtec micro whirl-thread cooled		66
WhizCut®		70
WhizCut®		74
WhizCut®		75

Flyer	Highlights
	■ Drilling, milling, and countersinking with a solid carbide tool ■ Maximum productivity ■ Reduction of non-productive time ■ Machine non-ferrous metals and titanium alloys with the same tool ■ Available in standard sizes starting at M2 with internal cooling
	■ Five cutting edges from M1 ■ Integrated cooling prevents chip accumulation ■ Very high feed rates possible ■ Short process times and high process reliability ■ Very long tool life
	■ Innovative shank design: offers increased stability. ■ High-quality coated carbide grade (B9) ■ Versatile thread milling options ■ Optimized exit angle ■ Custom solutions available
	■ Reduces tool pressure ■ Ensures the production of high-quality threads ■ Comprehensive range of ISO-certified two-flute thread mills ■ Handle even the most difficult tasks with ease
	■ Short process times ■ Ensures the production of high-quality threads ■ Provides vibration-free machining ■ Versatile thread milling options ■ Choice of straight and radial coolant supply available

			Page 14	Page 20	Page 24	Page	Page 30
			ACTIONDRILL® Double-Center cooled	ACTIONDRILL® INOX-Pilot	ACTIONDRILL® INOX-170Pilot	ACTIONDRILL® INOX-3xD-Pilot cooled	ACTIONDRILL® INOX-6xD cooled
Thread core hole Ø [mm]	for thread taps and thread mills	for thread formers	ACTIONDRILL Double- Center cooled centering drill 145° with double angle for chamfers of 60° or 90° with ITK	2xD step drill 140° and 90° chamfer ACTIONDRILL Pilot	2xD step drill 170° and 90° chamfer ACTIONDRILL INOX- 170Pilot	3xD step drill 140° and 90° chamfer ACTIONDRILL Pilot cooled with ITK	6xD drill 140° ACTIONDRILL INOX-6xD cooled with ITK
0.75	M1x0.25	-	AD.DC.075.200.IK.XX	AD.90.075.140	AD.90.075.170	AD.90.075.140.IK	AD.075.140.IK.6xD
0.85	M1.1x0.25	-	AD.DC.085.210.IK.XX	AD.90.085.140	AD.90.085.170	AD.90.085.140.IK	AD.085.140.IK.6xD
0.9	-	M1	AD.DC.090.210.IK.XX	AD.90.090.140	AD.90.090.170	AD.90.090.140.IK	AD.090.140.IK.6xD
0.95	M1.2x0.25	-	AD.DC.095.220.IK.XX	AD.90.095.140	AD.90.095.170	AD.90.095.140.IK	AD.095.140.IK.6xD
1.000	M1.2x0.2	M1.1	AD.DC.100.220.IK.XX	AD.90.100.140	AD.90.100.170	AD.90.100.140.IK	AD.100.140.IK.6xD
1.100	M1.4	M1.2	AD.DC.110.230.IK.XX	AD.90.110.140	AD.90.110.170	AD.90.110.140.IK	AD.110.140.IK.6xD
1.200	M1.4x0.2	-	AD.DC.120.240.IK.XX	AD.90.120.140	AD.90.120.170	AD.90.120.140.IK	AD.120.140.IK.6xD
1.250	UNF-Nr.0 / M1.6x0.35	-	AD.DC.125.250.IK.XX	AD.90.125.140	AD.90.125.170	AD.90.125.140.IK	AD.125.140.IK.6xD
1.300	M1.6x0.35	-	AD.DC.130.250.IK.XX	AD.90.130.140	AD.90.130.170	AD.90.130.140.IK	AD.130.140.IK.6xD
1.350	M1.7	-	AD.DC.135.260.IK.XX	AD.90.135.140	AD.90.135.170	AD.90.135.140.IK	AD.135.140.IK.6xD
1.400	M1.6x0.2	#0-80	AD.DC.140.260.IK.XX	AD.90.140.140	AD.90.140.170	AD.90.140.140.IK	AD.140.140.IK.6xD
1.450	M1.8	-	AD.DC.145.270.IK.XX	AD.90.145.140	AD.90.145.170	AD.90.145.140.IK	AD.145.140.IK.6xD
1.500	UNC-Nr.1	M1.6	AD.DC.150.270.IK.XX	AD.90.150.140	AD.90.150.170	AD.90.150.140.IK	AD.150.140.IK.6xD
1.550	#1-64	-	AD.DC.155.280.IK.XX	AD.90.155.140	AD.90.155.170	AD.90.155.140.IK	AD.155.140.IK.6xD
1.600	UNF-Nr.1/M2/ M1.8x0.2	-	AD.DC.160.280IK.XX	AD.90.160.140	AD.90.160.170	AD.90.160.140.IK	AD.160.140.IK.6xD
1.700	-	#1-64/ #1-72	AD.DC.170.290.IK.XX	AD.90.170.140	AD.90.170.170	AD.90.170.140.IK	AD.170.140.IK.6xD
1.750	M2.2/M2x0.25	-	AD.DC.175.300.IK.XX	AD.90.175.140	AD.90.175.170	AD.90.175.140.IK	AD.175.140.IK.6xD
1.800	UNC-Nr.2	-	AD.DC.180.300.IK.XX	AD.90.180.140	AD.90.180.170	AD.90.180.140.IK	AD.180.140.IK.6xD
1.850	#2-56/#2-64	M2	AD.DC.185.310.IK.XX	AD.90.185.140	AD.90.185.170	AD.90.185.140.IK	AD.180.140.IK.6xD
1.900	UNF-Nr.2/M2.3	-	AD.DC.190.310.IK.XX	AD.90.190.140	AD.90.190.170	AD.90.190.140.IK	AD.185.140.IK.6xD
1.950	M2.2x0.25/ M2.3x0.35	-	AD.DC.195.320.IK.XX	AD.90.195.140	AD.90.195.170	AD.90.195.140.IK	AD.190.140.IK.6xD
2.000	-	#2-56	AD.DC.200.320.IK.XX	AD.90.200.140	AD.90.200.170	AD.90.200.140.IK	AD.195.140.IK.6xD
2.030	-	M2.2	AD.DC.203.330.IK.XX	AD.90.203.140	AD.90.203.170	AD.90.203.140.IK	AD.200.140.IK.6xD
2.050	M2.5/M2.3x0.25	-	AD.DC.205.330.IK.XX	AD.90.205.140	AD.90.205.170	AD.90.205.140.IK	AD.203.140.IK.6xD
2.100	MJ2.5x0.45/ #3-48/UNF-Nr.3	-	AD.DC.210.330.IK.XX	AD.90.210.140	AD.90.210.170	AD.90.210.140.IK	AD.205.140.IK.6xD
2.150	M2.6/ M2.5x0.35/#3-56	M2.3	AD.DC.215.340.IK.XX	AD.90.215.140	AD.90.215.170	AD.90.215.140.IK	AD.210.140.IK.6xD
2.200	-	-	AD.DC.220.340.IK.XX	AD.90.220.140	AD.90.220.170	AD.90.220.140.IK	AD.215.140.IK.6xD
2.250	M2.6x0.35	-	AD.DC.225.350.IK.XX	AD.90.225.140	AD.90.225.170	AD.90.225.140.IK	AD.225.140.IK.6xD
2.300	UNC-Nr.4	#3-48	AD.DC.230.350.IK.XX	AD.90.230.140	AD.90.230.170	AD.90.230.140.IK	AD.230.140.IK.6xD
2.330	-	M2.5	AD.DC.233.360.IK.XX	AD.90.233.140	AD.90.233.170	AD.90.233.140.IK	AD.233.140.IK.6xD
2.350	#4-40	-	AD.DC.235.360.IK.XX	AD.90.235.140	AD.90.235.170	AD.90.235.140.IK	AD.235.140.IK.6xD
2.400	UNF-Nr.4/#4-48	-	AD.DC.240.360.IK.XX	AD.90.240.140	AD.90.240.170	AD.90.240.140.IK	AD.240.140.IK.6xD
2.500	M3	-	AD.DC.250.370.IK.XX	AD.90.250.140	AD.90.250.170	AD.90.250.140.IK	AD.250.140.IK.6xD
2.550	-	#4-40	AD.DC.255.380.IK.XX	AD.90.255.140	AD.90.255.170	AD.90.255.140.IK	AD.255.140.IK.6xD
2.600	UNF/UNC-Nr.5/ MJ3x0.5	-	AD.DC.260.380.IK.XX	AD.90.260.140	AD.90.260.170	AD.90.260.140.IK	AD.260.140.IK.6xD
2.650	M3x0.35/#5-40	-	AD.DC.265.390.IK.XX	AD.90.265.140	AD.90.265.170	AD.90.265.140.IK	AD.265.140.IK.6xD
2.700	#5-44	-	AD.DC.270.390.IK.XX	AD.90.270.140	AD.90.270.170	AD.90.270.140.IK	AD.270.140.IK.6xD
2.750	M3x0.25	-	AD.DC.275.400.IK.XX	AD.90.275.140	AD.90.275.170	AD.90.275.140.IK	AD.275.140.IK.6xD
2.800	UNC-Nr.6	M3	AD.DC.280.400.IK.XX	AD.90.280.140	AD.90.280.170	AD.90.280.140.IK	AD.280.140.IK.6xD

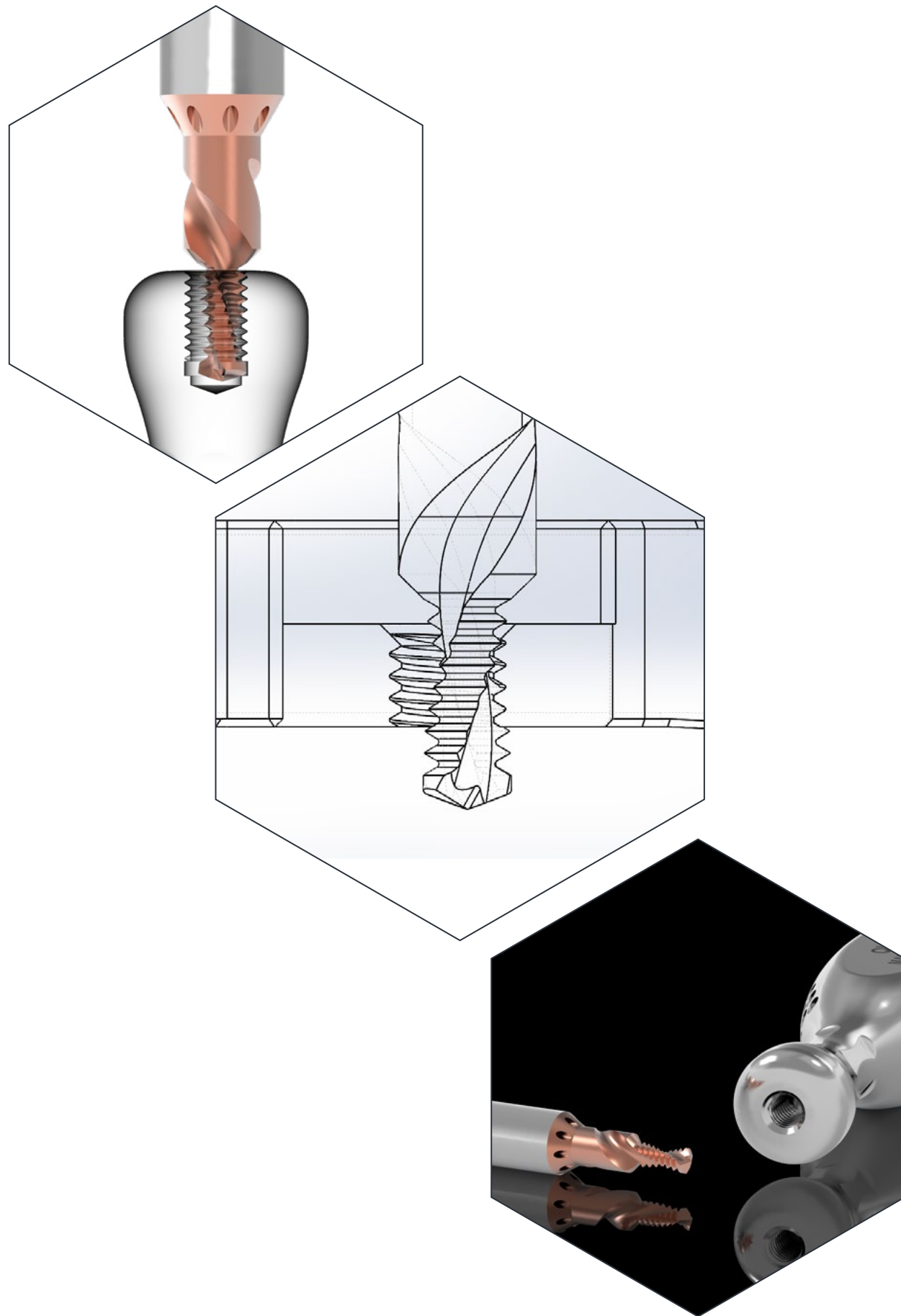
Page 32	Page 38	Page 42	Page 46	Page 50	Page 52
TARGETDRILL® INOX-Pilot 150°	TARGETDRILL® Thread-Core 3.5xD-Pilot cooled	TARGETDRILL® INOX-6xD cooled	TARGETDRILL® INOX-Flatdrill 180°	TARGETDRILL® micro-INOX 3xD	TARGETDRILL® micro-INOX 5xD
2xD step drill 130° and 90° chamfer TARGETDRILL Pilot	3.5xD step drill 140° and chamfer with 60° or 90° TARGETDRILL Thread-Core 3.5xD-Pilot cooled with IK	6xD core drill 130° TARGETDRILL INOX-6xD cooled with IK	TARGETDRILL INOX- Flatdrill 180° 3.5xD Flat drill	TARGETDRILL micro-3xD drill blank and coated	TARGETDRILL micro-5xD drill blank and coated
TD.IP.075.150.90	TD.TC.075.IK.XX	TD.075.IK.6D	-	TD.MI.075.3D	TD.MI.075.5D
TD.IP.085.170.90	TD.TC.085.IK.XX	TD.085.IK.6D	TD.I180.085.3000	TD.MI.085.3D	TD.MI.085.5D
TD.IP.090.180.90	TD.TC.090.IK.XX	TD.090.IK.6D	TD.I180.090.3200	TD.MI.090.3D	TD.MI.090.5D
TD.IP.095.190.90	TD.TC.095.IK.XX	TD.095.IK.6D	TD.I180.095.3300	TD.MI.095.3D	TD.MI.095.5D
TD.IP.100.200.90	TD.TC.100.IK.XX	TD.100.IK.6D	TD.I180.100.3500	TD.MI.100.3D	TD.MI.100.5D
TD.IP.110.220.90	TD.TC.110.IK.XX	TD.110.IK.6D	TD.I180.110.3900	TD.MI.110.3D	TD.MI.110.5D
TD.IP.120.240.90	TD.TC.120.IK.XX	TD.120.IK.6D	TD.I180.120.4200	TD.MI.120.3D	TD.MI.120.5D
TD.IP.125.250.90	TD.TC.125.IK.XX	TD.125.IK.6D	TD.I180.125.4400	TD.MI.125.3D	TD.MI.125.5D
TD.IP.130.260.90	TD.TC.130.IK.XX	TD.130.IK.6D	TD.I180.130.4600	TD.MI.130.3D	TD.MI.130.5D
TD.IP.135.270.90	TD.TC.135.IK.XX	TD.135.IK.6D	TD.I180.135.4700	TD.MI.135.3D	TD.MI.135.5D
TD.IP.140.280.90	TD.TC.140.IK.XX	TD.140.IK.6D	TD.I180.140.4900	TD.MI.140.3D	TD.MI.140.5D
TD.IP.145.290.90	TD.TC.145.IK.XX	TD.145.IK.6D	TD.I180.145.5100	TD.MI.145.3D	TD.MI.145.5D
TD.IP.150.300.90	TD.TC.150.IK.XX	TD.150.IK.6D	TD.I180.150.5300	TD.MI.150.3D	TD.MI.150.5D
TD.IP.155.310.90	TD.TC.155.IK.XX	TD.155.IK.6D	TD.I180.155.5400	TD.MI.155.3D	TD.MI.155.5D
TD.IP.160.320.90	TD.TC.160.IK.XX	TD.160.IK.6D	TD.I180.160.5600	TD.MI.160.3D	TD.MI.160.5D
TD.IP.170.340.90	TD.TC.170.IK.XX	TD.170.IK.6D	TD.I180.170.6000	TD.MI.170.3D	TD.MI.170.5D
TD.IP.175.350.90	TD.TC.175.IK.XX	TD.175.IK.6D	TD.I180.175.6100	TD.MI.175.3D	TD.MI.175.5D
TD.IP.180.360.90	TD.TC.180.IK.XX	TD.180.IK.6D	TD.I180.180.6300	TD.MI.180.3D	TD.MI.180.5D
TD.IP.185.370.90	TD.TC.180.IK.XX	TD.185.IK.6D	TD.I180.185.6500	TD.MI.185.3D	TD.MI.185.5D
TD.IP.190.380.90	TD.TC.185.IK.XX	TD.190.IK.6D	TD.I180.190.6700	TD.MI.190.3D	TD.MI.190.5D
TD.IP.195.390.90	TD.TC.195.IK.XX	TD.195.IK.6D	TD.I180.195.6800	TD.MI.195.3D	TD.MI.195.5D
TD.IP.200.400.90	TD.TC.200.IK.XX	TD.200.IK.6D	TD.I180.200.7000	TD.MI.200.3D	TD.MI.200.5D
TD.IP.203.4060.90	TD.TC.203.IK.XX	TD.203.IK.6D	-	-	TD.MI.203.5D
TD.IP.205.410.90	TD.TC.205.IK.XX	TD.205.IK.6D	TD.I180.205.7200	TD.MI.205.3D	TD.MI.205.5D
TD.IP.210.420.90	TD.TC.210.IK.XX	TD.210.IK.6D	TD.I180.210.7400	TD.MI.210.3D	TD.MI.210.5D
TD.IP.215.430.90	TD.TC.215.IK.XX	TD.215.IK.6D	TD.I180.215.7500	TD.MI.215.3D	TD.MI.215.5D
TD.IP.220.440.90	TD.TC.220.IK.XX	TD.220.IK.6D	TD.I180.220.7700	TD.MI.220.3D	TD.MI.220.5D
TD.IP.225.450.90	TD.TC.225.IK.XX	TD.225.IK.6D	TD.I180.225.7900	TD.MI.225.3D	TD.MI.225.5D
TD.IP.230.460.90	TD.TC.230.IK.XX	TD.230.IK.6D	TD.I180.230.8100	TD.MI.230.3D	TD.MI.230.5D
TD.IP.233.4660.90	TD.TC.233.IK.XX	TD.233.IK.6D	-	-	TD.MI.233.5D
TD.IP.235.470.90	TD.TC.235.IK.XX	TD.235.IK.6D	TD.I180.235.8200	TD.MI.235.3D	TD.MI.235.5D
TD.IP.240.480.90	TD.TC.240.IK.XX	TD.240.IK.6D	TD.I180.240.8400	TD.MI.240.3D	TD.MI.240.5D
TD.IP.250.500.90	TD.TC.250.IK.XX	TD.250.IK.6D	TD.I180.250.8800	TD.MI.250.3D	TD.MI.250.5D
TD.IP.255.510.90	TD.TC.255.IK.XX	TD.255.IK.6D	TD.I180.255.8900	TD.MI.255.3D	TD.MI.255.5D
TD.IP.260.520.90	TD.TC.260.IK.XX	TD.260.IK.6D	TD.I180.260.9100	TD.MI.260.3D	TD.MI.260.5D
TD.IP.265.530.90	TD.TC.265.IK.XX	TD.265.IK.6D	TD.I180.265.9300	TD.MI.265.3D	TD.MI.265.5D
TD.IP.270.540.90	TD.TC.270.IK.XX	TD.270.IK.6D	TD.I180.270.9400	TD.MI.270.3D	TD.MI.270.5D
TD.IP.275.550.90	TD.TC.275.IK.XX	TD.275.IK.6D	TD.I180.275.9600	TD.MI.275.3D	TD.MI.275.5D
TD.IP.280.560.90	TD.TC.280.IK.XX	TD.280.IK.6D	TD.I180.280.9800	TD.MI.280.3D	TD.MI.280.5D

			Page 14	Page 20	Page 24	Page	Page 30
			ACTIONDRILL® Double-Center cooled	ACTIONDRILL® INOX-Pilot	ACTIONDRILL® INOX-170Pilot	ACTIONDRILL® INOX-3xD-Pilot cooled	ACTIONDRILL® INOX-6xD cooled
Thread core hole Ø [mm]	for thread taps and thread mills	for thread formers	ACTIONDRILL Double- Center cooled centering drill 145° with double angle for chamfers of 60° or 90° with ITK	2xD step drill 140° and 90° chamfer ACTIONDRILL Pilot	2xD step drill 170° and 90° chamfer ACTIONDRILL INOX- 170Pilot	3xD step drill 140° and 90° chamfer ACTIONDRILL Pilot cooled with ITK	6xD drill 140° ACTIONDRILL INOX-6xD cooled with ITK
2.850	#6-32	-	AD.DC.285.410.IK.XX	AD.90.285.140	AD.90.285.170	AD.90.285.140.IK	AD.285.140.IK.6xD
2.900	UNF-Nr.6/M3.5	#5-40	AD.DC.290.410.IK.XX	AD.90.290.140	AD.90.290.170	AD.90.290.140.IK	AD.290.140.IK.6xD
3.150	M3.5x0.35	-	AD.DC.315.440.IK.XX	AD.90.315.140	AD.90.315.170	-	-
3.250	-	M3.5	AD.DC.325.450.IK.XX	AD.90.325.140	AD.90.325.170	-	-
3.300	M4	M3.5x0.5	AD.DC.330.450.IK.XX	AD.90.330.140	AD.90.330.170	-	-
3.400	UNC-Nr.8	-	AD.DC.340.460.IK.XX	AD.90.340.140	AD.90.340.170	-	-
3.500	UNF-Nr.8/M4x0.5	-	AD.DC.350.470.IK.XX	AD.90.350.140	AD.90.350.170	-	-
3.650	M4x0.35	-	AD.DC.365.490.IK.XX	AD.90.365.140	AD.90.365.170	-	-
3.700	M4.5	M4	AD.DC.370.490.IK.XX	AD.90.370.140	AD.90.370.170	-	-
3.800	UNC-Nr.10	-	AD.DC.380.500.IK.XX	AD.90.380.140	AD.90.380.170	-	-
4.100	UNF-Nr.10	-	AD.DC.410.530.IK.XX	AD.90.410.140	AD.90.410.170	-	-
4.200	M5/M5x0.75	M4.5	AD.DC.420.540.IK.XX	AD.90.420.140	AD.90.420.170	-	-
4.500	UNC-Nr.12/M5x0.5	-	AD.DC.365.490.IK.XX	AD.90.450.140	AD.90.450.170	-	-
4.600	UNF-Nr.12	-	AD.DC.460.580.IK.XX	AD.90.460.140	AD.90.460.170	-	-
4.650	-	M5	AD.DC.465.590.IK.XX	AD.90.465.140	AD.90.465.170	-	-
4.700	UNEF-Nr.12	-	AD.DC.470.590.IK.XX	AD.90.470.140	AD.90.470.170	-	-
5.000	M6	#12-24	AD.DC.500.620.IK.XX	AD.90.500.140	AD.90.500.170	-	-
5.200	M6x0.75	-	AD.DC.520.640.IK.XX	AD.90.520.140	AD.90.520.170	-	-
5.500	M6x0.5/UNF-1/4"	-	AD.DC.550.670.IK.XX	AD.90.550.140	AD.90.500.170	-	-
5.600	MJ6x0.5	M6	AD.DC.560.680.IK.XX	AD.90.560.140	AD.90.560.170	-	-
6.000	M7	-	AD.DC.600.720.IK.XX	AD.90.600.140	AD.90.600.170	-	-
6.200	M7x0.75	-	AD.DC.620.760.IK.XX	AD.90.620.140	AD.90.620.170	-	-
6.600	5/16-18	M7	AD.DC.660.780.IK.XX	AD.90.660.140	AD.90.660.170	-	-
6.700	1/16"	-	AD.DC.670.800.IK.XX	AD.90.670.140	AD.90.670.170	-	-
6.800	M8/G1/16	M7x0.5	AD.DC.680.800.IK.XX	AD.90.680.140	AD.90.680.170	-	-
6.900	UNF-5/16"	-	AD.DC.690.800.IK.XX	AD.90.690.140	AD.90.690.170	-	-
7.000	M8x1	-	AD.DC.700.800.IK.XX	AD.90.700.140	AD.90.700.170	-	-
7.200	UNEF-5/16"	-	AD.DC.720.800.IK.XX	AD.90.720.140	AD.90.720.170	-	-

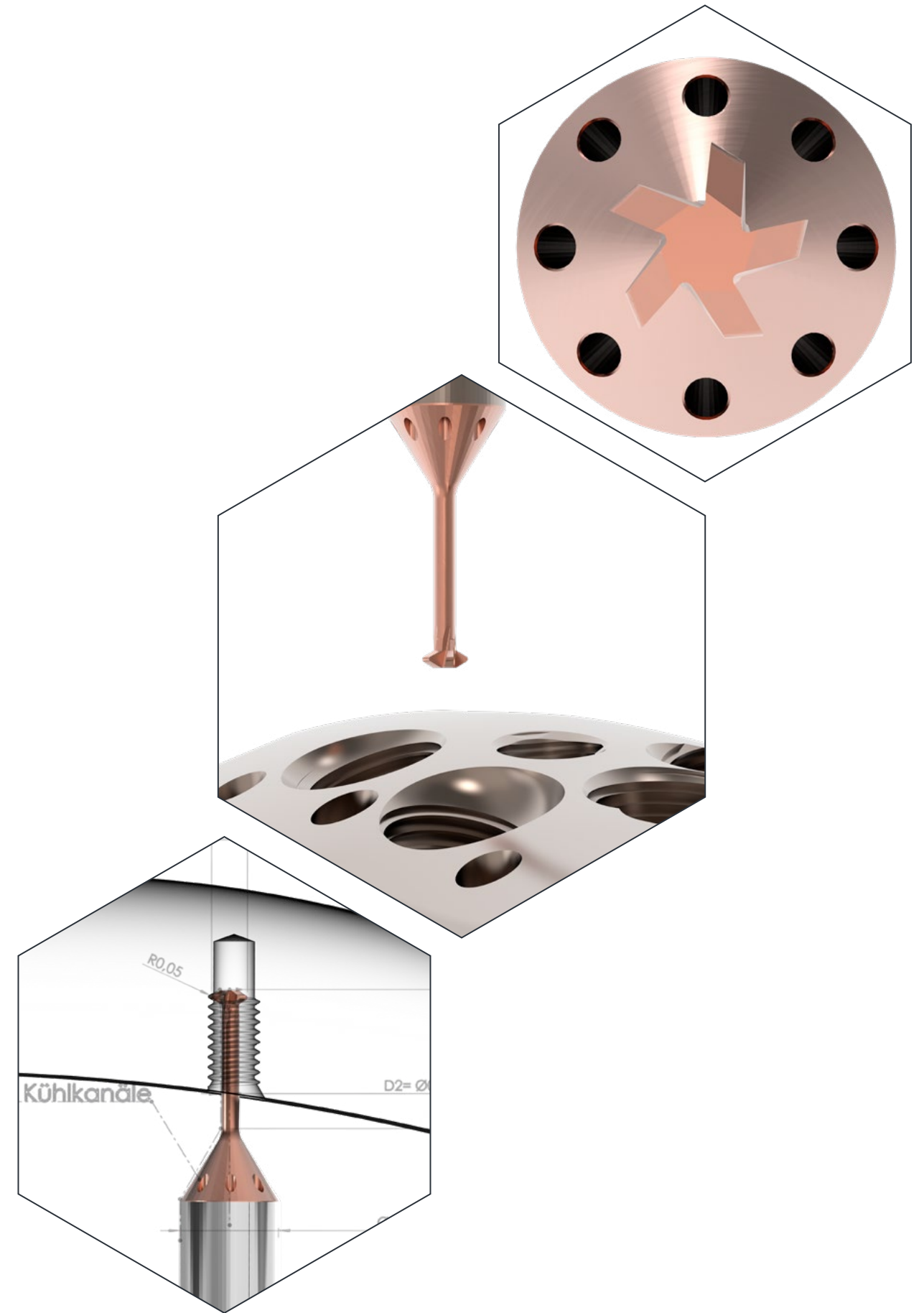


Page 32	Page 38	Page 42	Page 46	Page 50	Page 52
TARGETDRILL® INOX-Pilot 150°	TARGETDRILL® Thread-Core 3.5xD-Pilot cooled	TARGETDRILL® INOX-6xD cooled	TARGETDRILL® INOX-Flatdrill 180°	TARGETDRILL® micro-INOX 3xD	TARGETDRILL® micro-INOX 5xD
2xD step drill 130° and 90° chamfer TARGETDRILL Pilot	3.5xD step drill 140° and chamfer with 60° or 90° TARGETDRILL Thread-Core 3.5xD-Pilot cooled with IK	6xD core drill 130° TARGETDRILL INOX-6xD cooled with IK	TARGETDRILL INOX- Flatdrill 180° 3.5xD Flat drill	TARGETDRILL micro-3xD drill blank and coated	TARGETDRILL micro-5xD drill blank and coated
TD.IP.285.570.90	TD.TC.285.IK.XX	TD.285.IK.6D	TD.I180.285.10000	TD.MI.285.3D	TD.MI.285.5D
TD.IP.290.580.90	TD.TC.290.IK.XX	TD.290.IK.6D	TD.I180.290.10100	TD.MI.290.3D	TD.MI.290.5D
TD.IP.315.630.90	TD.TC.315.IK.XX	TD.315.IK.6D	-	-	-
TD.IP.325.650.90	TD.TC.325.IK.XX	TD.325.IK.6D	-	-	-
TD.IP.330.660.90	TD.TC.330.IK.XX	TD.330.IK.6D	TD.I180.330.11600	-	-
TD.IP.340.680.90	TD.TC.340.IK.XX	TD.340.IK.6D	TD.I180.340.11900	-	-
TD.IP.350.700.90	TD.TC.350.IK.XX	TD.350.IK.6D	TD.I180.350.12300	-	-
TD.IP.365.730.90	TD.TC.365.IK.XX	TD.365.IK.6D	-	-	-
TD.IP.370.740.90	TD.TC.370.IK.XX	TD.370.IK.6D	TD.I180.370.13000	-	-
TD.IP.380.760.90	TD.TC.380.IK.XX	TD.380.IK.6D	TD.I180.380.13300	-	-
TD.IP.410.820.90	TD.TC.410.IK.XX	TD.410.IK.6D	TD.I180.410.14400	-	-
TD.IP.420.840.90	TD.TC.420.IK.XX	TD.420.IK.6D	TD.I180.420.14700	-	-
TD.IP.450.900.90	TD.TC.450.IK.XX	TD.450.IK.6D	TD.I180.450.15800	-	-
TD.IP.460.920.90	TD.TC.460.IK.XX	TD.460.IK.6D	TD.I180.460.16100	-	-
TD.IP.465.930.90	TD.TC.465.IK.XX	TD.465.IK.6D	-	-	-
TD.IP.470.940.90	TD.TC.470.IK.XX	TD.470.IK.6D	TD.I180.470.16500	-	-
TD.IP.500.1000.90	TD.TC.500.IK.XX	TD.500.IK.6D	TD.I180.500.17500	-	-
TD.IP.520.1040.90	TD.TC.520.IK.XX	TD.520.IK.6D	TD.I180.520.18200	-	-
TD.IP.550.1100.90	TD.TC.550.IK.XX	TD.550.IK.6D	TD.I180.550.19300	-	-
TD.IP.560.1120.90	TD.TC.560.IK.XX	TD.560.IK.6D	TD.I180.560.19600	-	-
TD.IP.600.1200.90	TD.TC.600.IK.XX	TD.600.IK.6D	TD.I180.600.21000	-	-
TD.IP.620.12400.90	TD.TC.620.IK.XX	TD.620.IK.6D	-	-	-
TD.IP.660.1320.90	TD.TC.660.IK.XX	TD.660.IK.6D	-	-	-
TD.IP.670.1340.90	TD.TC.670.IK.XX	TD.670.IK.6D	-	-	-
TD.IP.680.1360.90	TD.TC.680.IK.XX	TD.680.IK.6D	-	-	-
TD.IP.690.1380.90	TD.TC.690.IK.XX	TD.690.IK.6D	-	-	-
TD.IP.700.1400.90	TD.TC.700.IK.XX	TD.700.IK.6D	-	-	-
TD.IP.720.1400.90	TD.TC.720.IK.XX	TD.720.IK.6D	-	-	-





Threaded core drill | HB microtec



Threaded core drill | HB microtec

Centering drill with integrated cooling and double angle

145°±4° drill centering angle and centering drill with double angle

Chamfer angle 60° or 90°

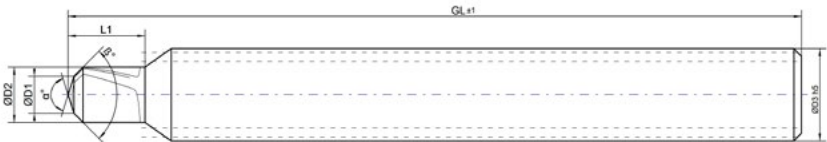
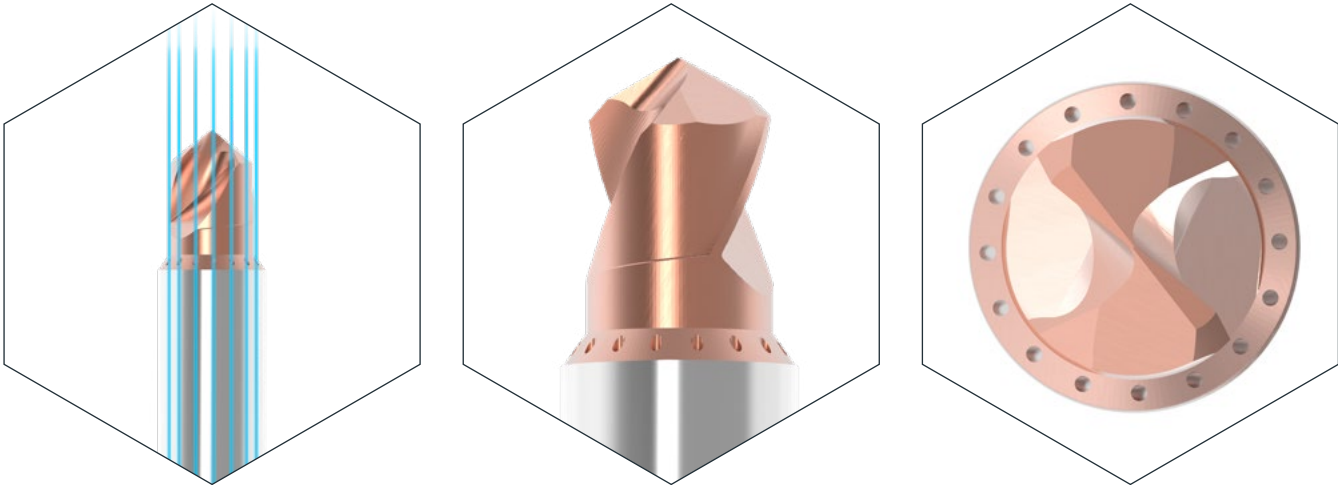
from Ø 0.3 to Ø 7.2

The high-performance α-INOX coating guarantees a long tool life and prevents the cutting edges from sticking

Suitable for drills with a tip angle of up to 142°

The reinforced shank in h5 quality combined with an optimized working length makes the tool robust and vibration-free.

High feed and cutting speeds are made possible by the use of ultra-fine-grained solid carbide with high fracture toughness.



☐ Order

Order number: _____

☐ Inquiry

Dimensions:

D₁: _____ GL: _____ α: _____

D₂: _____ L₁: _____ β: _____

D₃: _____

Coating:

☐ Coated*: _____

☐ Uncoated

Cooling channels:

☐ No ☐ Yes

Cutting direction:

☐ Right ☐ Left

Material to be machined:

Shank shape:

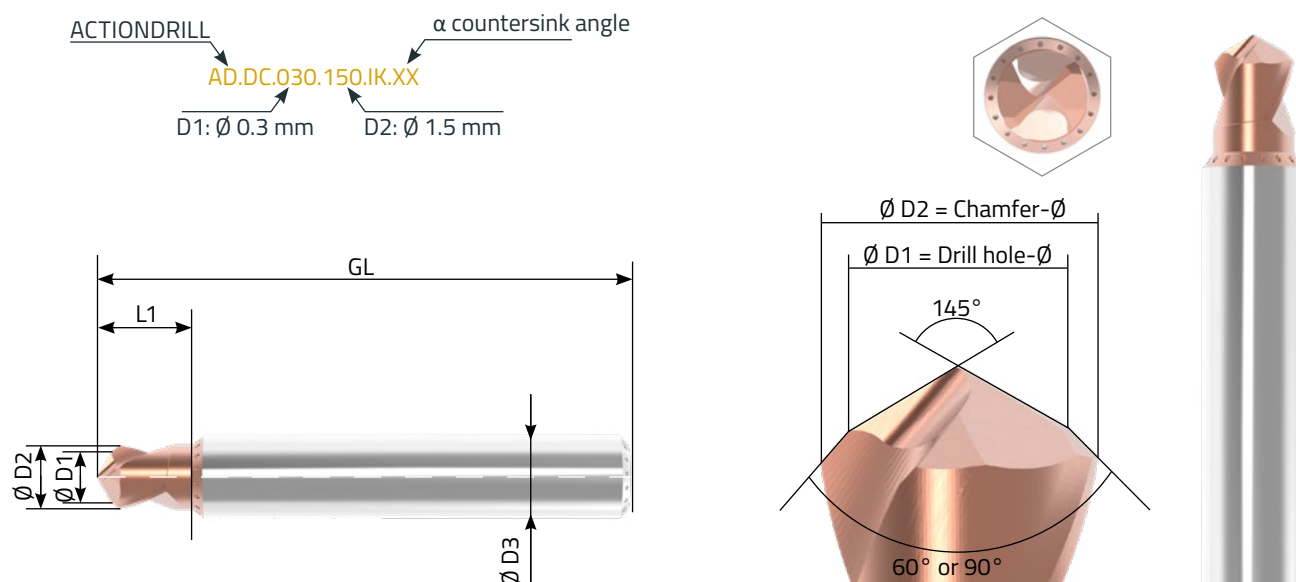
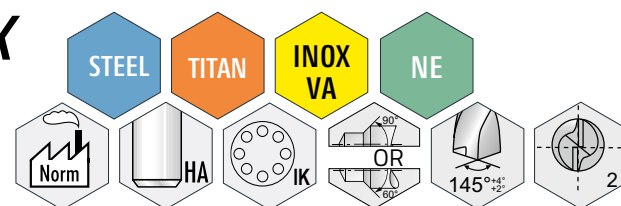
Quantity:

Date, signature & company stamp:

Contact person:

* Without further information, the most suitable coating will be used.

Centering drill with ITK with double angle



■ α-INOX coated



5 PRO's of the ACTIONDRILL:

- Combination tool Centering with 145° + chamfering (60° or 90°)
- Centering is tailored to the drill diameter
- The drill corners are protected
- Integrated cooling prevents chip build-up and leaves
a clean centering for the following drill
- Short process times and high process reliability

Online shop



Article number	D1 [mm]	D1 [inch]	D2	L1	D3	GL	α (xx°)
AD.DC.030.150.IK.XX	Ø0.30	-	Ø1.50	7.00	4.00	40	60°/90°
AD.DC.035.160.IK.XX	Ø0.35	-	Ø1.60	7.00	4.00	40	60°/90°
AD.DC.040.160.IK.XX	Ø0.40	-	Ø1.60	7.00	4.00	40	60°/90°
AD.DC.045.170.IK.XX	Ø0.45	-	Ø1.70	7.00	4.00	40	60°/90°
AD.DC.050.170.IK.XX	Ø0.50	-	Ø1.70	7.00	4.00	40	60°/90°
AD.DC.055.180.IK.XX	Ø0.55	-	Ø1.80	7.00	4.00	40	60°/90°
AD.DC.060.180.IK.XX	Ø0.60	-	Ø1.80	7.00	4.00	40	60°/90°
AD.DC.065.190.IK.XX	Ø0.65	-	Ø1.90	7.00	4.00	40	60°/90°
AD.DC.070.190.IK.XX	Ø0.70	-	Ø1.90	7.00	4.00	40	60°/90°
AD.DC.075.200.IK.XX	Ø0.75	-	Ø2.00	7.00	4.00	40	60°/90°
AD.DC.080.200.IK.XX	Ø0.80	-	Ø2.00	7.00	4.00	40	60°/90°
AD.DC.085.210.IK.XX	Ø0.85	-	Ø2.10	7.00	4.00	40	60°/90°
AD.DC.090.210.IK.XX	Ø0.90	-	Ø2.10	7.00	4.00	40	60°/90°
AD.DC.095.220.IK.XX	Ø0.95	-	Ø2.20	7.00	4.00	40	60°/90°
AD.DC.100.220.IK.XX	Ø1.00	-	Ø2.20	7.00	4.00	40	60°/90°
AD.DC.105.230.IK.XX	Ø1.05	-	Ø2.30	7.00	4.00	40	60°/90°
AD.DC.110.230.IK.XX	Ø1.10	-	Ø2.30	7.00	4.00	40	60°/90°
AD.DC.115.240.IK.XX	Ø1.15	-	Ø2.40	7.00	4.00	40	60°/90°
AD.DC.120.240.IK.XX	Ø1.20	-	Ø2.40	7.00	4.00	40	60°/90°
AD.DC.125.250.IK.XX	Ø1.25	-	Ø2.50	7.00	4.00	40	60°/90°
AD.DC.130.250.IK.XX	Ø1.30	-	Ø2.50	7.00	4.00	40	60°/90°
AD.DC.135.260.IK.XX	Ø1.35	-	Ø2.60	9.00	6.00	50	60°/90°
AD.DC.140.260.IK.XX	Ø1.40	-	Ø2.60	9.00	6.00	50	60°/90°
AD.DC.145.270.IK.XX	Ø1.45	-	Ø2.70	9.00	6.00	50	60°/90°
AD.DC.150.270.IK.XX	Ø1.50	-	Ø2.70	9.00	6.00	50	60°/90°
AD.DC.155.280.IK.XX	Ø1.55	-	Ø2.80	9.00	6.00	50	60°/90°
AD.DC.1587.280.IK.XX	Ø1.587	1 / 16"	Ø2.80	9.00	6.00	50	60°/90°
AD.DC.160.280IK.XX	Ø1.60	-	Ø2.80	9.00	6.00	50	60°/90°
AD.DC.165.290.IK.XX	Ø1.65	-	Ø2.90	9.00	6.00	50	60°/90°
AD.DC.170.290.IK.XX	Ø1.70	-	Ø2.90	9.00	6.00	50	60°/90°
AD.DC.175.300.IK.XX	Ø1.75	-	Ø3.00	9.00	6.00	50	60°/90°
AD.DC.180.300.IK.XX	Ø1.80	-	Ø3.00	9.00	6.00	50	60°/90°
AD.DC.185.310.IK.XX	Ø1.85	-	Ø3.10	9.00	6.00	50	60°/90°
AD.DC.190.310.IK.XX	Ø1.90	-	Ø3.10	9.00	6.00	50	60°/90°
AD.DC.195.320.IK.XX	Ø1.95	-	Ø3.20	9.00	6.00	50	60°/90°
AD.DC.200.320.IK.XX	Ø2.00	-	Ø3.20	9.00	6.00	50	60°/90°
AD.DC.203.330.IK.XX	Ø2.03	-	Ø3.30	9.00	6.00	50	60°/90°

Article number	D1 [mm]	D1 [inch]	D2	L1	D3	GL	α (XX°)
AD.DC.205.330.IK.XX	Ø2.05	-	Ø3.30	9.00	6.00	50	60°/90°
AD.DC.210.330.IK.XX	Ø2.10	-	Ø3.30	9.00	6.00	50	60°/90°
AD.DC.215.340.IK.XX	Ø2.15	-	Ø3.40	9.00	6.00	50	60°/90°
AD.DC.220.340.IK.XX	Ø2.20	-	Ø3.40	9.00	6.00	50	60°/90°
AD.DC.225.350.IK.XX	Ø2.25	-	Ø3.50	9.00	6.00	50	60°/90°
AD.DC.230.350.IK.XX	Ø2.30	-	Ø3.50	9.00	6.00	50	60°/90°
AD.DC.233.360.IK.XX	Ø2.33	-	Ø3.60	9.00	6.00	50	60°/90°
AD.DC.235.360.IK.XX	Ø2.35	-	Ø3.60	9.00	6.00	50	60°/90°
AD.DC.2381.360.IK.XX	Ø2.381	3 / 32"	Ø3.60	9.00	6.00	50	60°/90°
AD.DC.240.360.IK.XX	Ø2.40	-	Ø3.60	9.00	6.00	50	60°/90°
AD.DC.245.370.IK.XX	Ø2.45	-	Ø3.70	9.00	6.00	50	60°/90°
AD.DC.250.370.IK.XX	Ø2.50	-	Ø3.70	9.00	6.00	50	60°/90°
AD.DC.255.380.IK.XX	Ø2.55	-	Ø3.80	9.00	6.00	50	60°/90°
AD.DC.260.380.IK.XX	Ø2.60	-	Ø3.80	9.00	6.00	50	60°/90°
AD.DC.265.390.IK.XX	Ø2.65	-	Ø3.90	9.00	6.00	50	60°/90°
AD.DC.270.390.IK.XX	Ø2.70	-	Ø3.90	9.00	6.00	50	60°/90°
AD.DC.275.400.IK.XX	Ø2.75	-	Ø4.00	9.00	6.00	50	60°/90°
AD.DC.280.400.IK.XX	Ø2.80	-	Ø4.00	9.00	6.00	50	60°/90°
AD.DC.285.410.IK.XX	Ø2.85	-	Ø4.10	10.00	8.00	60	60°/90°
AD.DC.290.410.IK.XX	Ø2.90	-	Ø4.10	10.00	8.00	60	60°/90°
AD.DC.295.420.IK.XX	Ø2.95	-	Ø4.20	10.00	8.00	60	60°/90°
AD.DC.300.420.IK.XX	Ø3.00	-	Ø4.20	10.00	8.00	60	60°/90°
AD.DC.310.430.IK.XX	Ø3.10	-	Ø4.30	10.00	8.00	60	60°/90°
AD.DC.315.440.IK.XX	Ø3.15	-	Ø4.40	10.00	8.00	60	60°/90°
AD.DC.3175.440.IK.XX	Ø3.175	1 / 8"	Ø4.40	10.00	8.00	60	60°/90°
AD.DC.320.440.IK.XX	Ø3.20	-	Ø4.40	10.00	8.00	60	60°/90°
AD.DC.325.450.IK.XX	Ø3.25	-	Ø4.50	10.00	8.00	60	60°/90°
AD.DC.330.450.IK.XX	Ø3.30	-	Ø4.50	10.00	8.00	60	60°/90°
AD.DC.340.460.IK.XX	Ø3.40	-	Ø4.60	10.00	8.00	60	60°/90°
AD.DC.350.470.IK.XX	Ø3.50	-	Ø4.70	10.00	8.00	60	60°/90°
AD.DC.360.480.IK.XX	Ø3.60	-	Ø4.80	10.00	8.00	60	60°/90°
AD.DC.365.490.IK.XX	Ø3.65	-	Ø4.90	10.00	8.00	60	60°/90°
AD.DC.370.490.IK.XX	Ø3.70	-	Ø4.90	10.00	8.00	60	60°/90°
AD.DC.380.500.IK.XX	Ø3.80	-	Ø5.00	10.00	8.00	60	60°/90°
AD.DC.390.510.IK.XX	Ø3.90	-	Ø5.10	10.00	8.00	60	60°/90°
AD.DC.3986.520.IK.XX	Ø3.986	5 / 32"	Ø5.20	10.00	8.00	60	60°/90°
AD.DC.400.520.IK.XX	Ø4.00	-	Ø5.20	10.00	8.00	60	60°/90°

Article number	D1 [mm]	D1 [inch]	D2	L1	D3	GL	α (XX°)
AD.DC.410.530.IK.XX	Ø4.10	-	Ø5.30	10.00	8.00	60	60°/90°
AD.DC.420.540.IK.XX	Ø4.20	-	Ø5.40	10.00	8.00	60	60°/90°
AD.DC.430.550.IK.XX	Ø4.30	-	Ø5.50	10.00	8.00	60	60°/90°
AD.DC.440.560.IK.XX	Ø4.40	-	Ø5.60	10.00	8.00	60	60°/90°
AD.DC.450.570.IK.XX	Ø4.50	-	Ø5.70	10.00	8.00	60	60°/90°
AD.DC.460.580.IK.XX	Ø4.60	-	Ø5.80	10.00	8.00	60	60°/90°
AD.DC.465.590.IK.XX	Ø4.65	-	Ø5.90	10.00	8.00	60	60°/90°
AD.DC.470.590.IK.XX	Ø4.70	-	Ø5.90	10.00	8.00	60	60°/90°
AD.DC.4762.600.IK.XX	Ø4.762	3 / 16"	Ø6.00	10.00	8.00	60	60°/90°
AD.DC.480.600.IK.XX	Ø4.80	-	Ø6.00	12.00	10.00	67	60°/90°
AD.DC.490.610.IK.XX	Ø4.90	-	Ø6.10	12.00	10.00	67	60°/90°
AD.DC.500.620.IK.XX	Ø5.00	-	Ø6.20	12.00	10.00	67	60°/90°
AD.DC.510.630.IK.XX	Ø5.10	-	Ø6.30	12.00	10.00	67	60°/90°
AD.DC.520.640.IK.XX	Ø5.20	-	Ø6.40	12.00	10.00	67	60°/90°
AD.DC.530.650.IK.XX	Ø5.30	-	Ø6.50	12.00	10.00	67	60°/90°
AD.DC.540.660.IK.XX	Ø5.40	-	Ø6.60	12.00	10.00	67	60°/90°
AD.DC.550.670.IK.XX	Ø5.50	-	Ø6.70	12.00	10.00	67	60°/90°
AD.DC.5556.680.IK.XX	Ø5.556	7 / 32"	Ø6.80	12.00	10.00	67	60°/90°
AD.DC.560.680.IK.XX	Ø5.60	-	Ø6.80	12.00	10.00	67	60°/90°
AD.DC.570.690.IK.XX	Ø5.70	-	Ø6.90	12.00	10.00	67	60°/90°
AD.DC.580.700.IK.XX	Ø5.80	-	Ø7.00	12.00	10.00	67	60°/90°
AD.DC.590.710.IK.XX	Ø5.90	-	Ø7.10	12.00	10.00	67	60°/90°
AD.DC.600.720.IK.XX	Ø6.00	-	Ø7.20	12.00	10.00	67	60°/90°
AD.DC.620.760.IK.XX	Ø6.20	-	Ø7.60	12.00	10.00	67	60°/90°
AD.DC.6350.760.IK.XX	Ø6.350	1 / 4"	Ø7.60	12.00	10.00	67	60°/90°
AD.DC.660.780.IK.XX	Ø6.60	-	Ø7.80	12.00	10.00	67	60°/90°
AD.DC.670.800.IK.XX	Ø6.70	-	Ø8.00	12.00	10.00	67	60°/90°
AD.DC.680.800.IK.XX	Ø6.80	-	Ø8.00	12.00	10.00	67	60°/90°
AD.DC.690.800.IK.XX	Ø6.90	-	Ø8.00	12.00	10.00	67	60°/90°
AD.DC.700.800.IK.XX	Ø7.00	-	Ø8.00	12.00	10.00	67	60°/90°
AD.DC.720.800.IK.XX	Ø7.20	-	Ø8.00	12.00	10.00	67	60°/90°

Delivery time: 3-4 weeks

Example for Ø2.05 drill and 90° chamfer: AD.DC.205.330.IK.90

INOX-170Pilot

170° α-INOX
high-performance point
geometry, 2x faster drilling on
inclined surfaces compared to
180° flat drills.

from Ø 0.3 k6
to Ø 7.2 k6

The high-performance α-INOX
coating guarantees a long tool
life and prevents the
cutting edges from
sticking.

2xD drilling depth with 90°
countersink cutting edge for
chamfering.

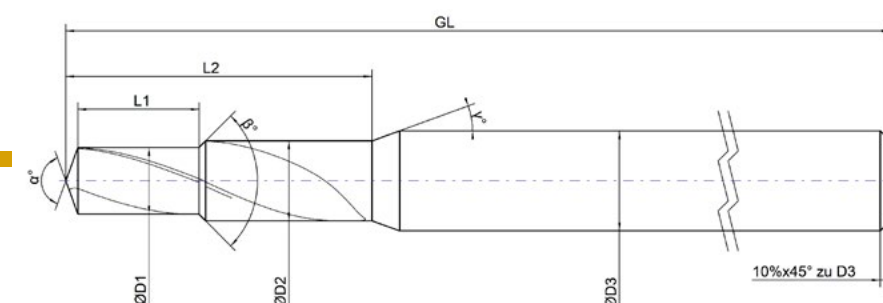
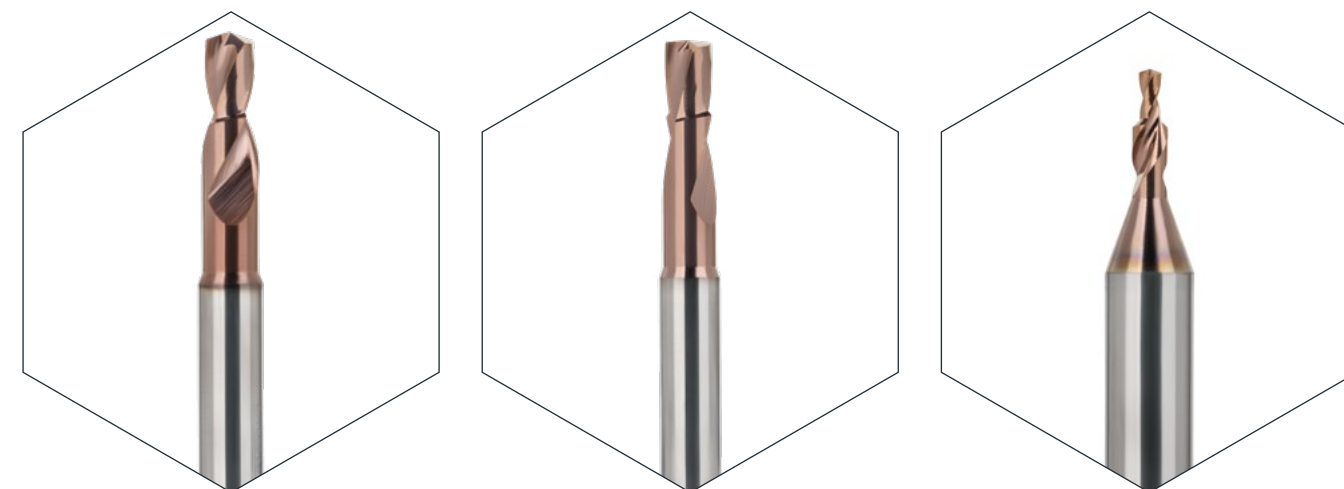
INOX-Pilot

140°±4° α-INOX
high-performance point
geometry, self-centering.

from Ø 0.75 k6
to Ø 7.2 k6

The reinforced shank in h6
quality combined with an op-
timized usable length makes
the tool robust and vibration-
free.

High feed and cutting speeds
are made possible by the use
of ultra-fine grain solid
carbide with high fracture
toughness.



☐ Inquiry

☐ Order

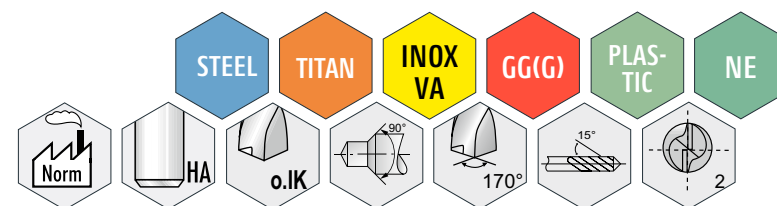
Order number: _____

Other: _____

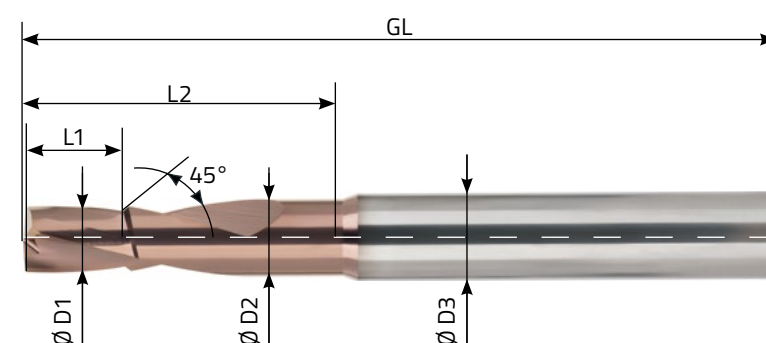
Dimensions: D ₁ : _____ GL: _____ α: _____ D ₂ : _____ L ₁ : _____ β: _____ D ₃ : _____ L ₂ : _____ γ: _____ Z: _____	Coating: ☐ Coated*: _____ ☐ Uncoated	With cooling channels? ☐ No ☐ Yes Cutting direction: ☐ Right ☐ Left
Material to be machined: 	Shank shape: 	Quantity:
Date, signature & company stamp: 		Contact person:

* Without further information, the most suitable coating will be used.

INOX-170Pilot



ACTIONDRILL
AD.90.030.170
170° Point angle
90° chamfer
D1: Ø 0.3 mm



5 PRO's of the ACTIONDRILL:

- Direct drilling on inclined surfaces
- For surfaces with an inclination angle up to 61°
- Combination tool: drilling + chamfering
- Perfect positional accuracy
- Shorter process times and high process reliability

Online shop



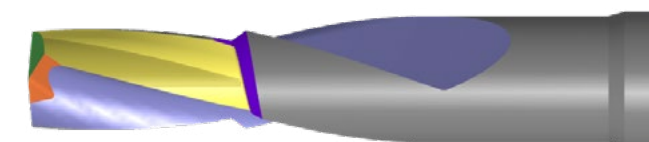
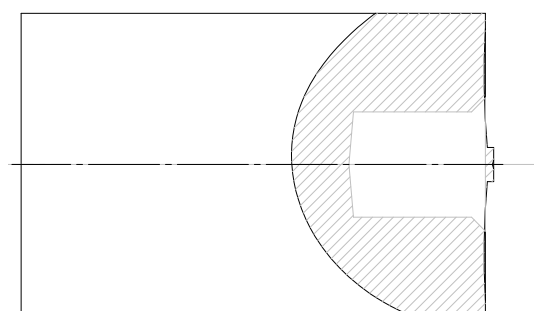
Article number	D1 k6 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	GL (mm)
AD.90.030.170	Ø 0.30	-	Ø 0.70	Ø 4.00	0.60	2.30	55.00
AD.90.035.170	Ø 0.35	-	Ø 0.75	Ø 4.00	0.70	2.55	55.00
AD.90.040.170	Ø 0.40	-	Ø 0.80	Ø 4.00	0.80	2.80	55.00
AD.90.045.170	Ø 0.45	-	Ø 0.85	Ø 4.00	0.90	3.05	55.00
AD.90.050.170	Ø 0.50	-	Ø 0.90	Ø 4.00	1.00	3.30	55.00
AD.90.055.170	Ø 0.55	-	Ø 0.95	Ø 4.00	1.10	3.55	55.00
AD.90.060.170	Ø 0.60	-	Ø 1.00	Ø 4.00	1.20	3.80	55.00
AD.90.065.170	Ø 0.65	-	Ø 1.05	Ø 4.00	1.30	4.05	55.00
AD.90.070.170	Ø 0.70	-	Ø 1.10	Ø 4.00	1.40	4.30	55.00
AD.90.075.170	Ø 0.75	-	Ø 1.15	Ø 4.00	1.50	4.55	55.00
AD.90.080.170	Ø 0.80	-	Ø 1.20	Ø 4.00	1.60	4.80	55.00
AD.90.085.170	Ø 0.85	-	Ø 1.25	Ø 4.00	1.70	5.05	55.00
AD.90.090.170	Ø 0.90	-	Ø 1.30	Ø 4.00	1.80	5.30	55.00
AD.90.095.170	Ø 0.95	-	Ø 1.35	Ø 4.00	1.90	5.55	55.00
AD.90.100.170	Ø 1.00	-	Ø 1.60	Ø 4.00	2.00	6.70	55.00
AD.90.105.170	Ø 1.05	-	Ø 1.65	Ø 4.00	2.10	6.80	55.00
AD.90.110.170	Ø 1.10	-	Ø 1.70	Ø 4.00	2.20	7.00	55.00
AD.90.115.170	Ø 1.15	-	Ø 1.75	Ø 4.00	2.30	7.10	55.00
AD.90.120.170	Ø 1.20	-	Ø 1.80	Ø 4.00	2.40	7.20	55.00
AD.90.125.170	Ø 1.25	-	Ø 1.85	Ø 4.00	2.50	8.20	55.00
AD.90.130.170	Ø 1.30	-	Ø 1.90	Ø 4.00	2.60	8.30	55.00
AD.90.135.170	Ø 1.35	-	Ø 1.95	Ø 4.00	2.70	8.40	55.00
AD.90.140.170	Ø 1.40	-	Ø 2.00	Ø 4.00	2.80	8.50	55.00
AD.90.145.170	Ø 1.45	-	Ø 2.05	Ø 4.00	2.90	8.60	55.00
AD.90.150.170	Ø 1.50	-	Ø 2.10	Ø 4.00	3.00	9.60	55.00
AD.90.155.170	Ø 1.55	-	Ø 2.15	Ø 4.00	3.10	9.70	55.00
AD.90.1587.170	Ø1.587	1/16"	Ø 2.20	Ø 4.00	3.17	9.80	55.00
AD.90.160.170	Ø 1.60	-	Ø 2.20	Ø 4.00	3.20	9.80	55.00
AD.90.165.170	Ø 1.65	-	Ø 2.25	Ø 4.00	3.30	9.90	55.00
AD.90.170.170	Ø 1.70	-	Ø 2.30	Ø 4.00	3.40	10.10	55.00
AD.90.175.170	Ø 1.75	-	Ø 2.35	Ø 4.00	3.50	10.20	55.00
AD.90.180.170	Ø 1.80	-	Ø 2.40	Ø 4.00	3.60	11.10	55.00
AD.90.185.170	Ø 1.85	-	Ø 2.45	Ø 4.00	3.70	11.30	55.00
AD.90.190.170	Ø 1.90	-	Ø 2.50	Ø 4.00	3.80	11.40	55.00
AD.90.195.170	Ø 1.95	-	Ø 2.55	Ø 4.00	3.90	11.50	55.00
AD.90.200.170	Ø 2.00	-	Ø 2.60	Ø 4.00	4.00	11.60	60.00
AD.90.203.170	Ø 2.03	-	Ø 2.85	Ø 4.00	4.06	11.70	60.00
AD.90.205.170	Ø 2.05	-	Ø 2.85	Ø 4.00	4.10	11.70	60.00
AD.90.210.170	Ø 2.10	-	Ø 2.90	Ø 4.00	4.20	11.80	60.00
AD.90.215.170	Ø 2.15	-	Ø 2.95	Ø 4.00	4.30	11.90	60.00
AD.90.220.170	Ø 2.20	-	Ø 3.00	Ø 4.00	4.40	13.80	60.00
AD.90.225.170	Ø 2.25	-	Ø 3.05	Ø 4.00	4.50	13.90	60.00
AD.90.230.170	Ø 2.30	-	Ø 3.10	Ø 4.00	4.60	14.00	60.00
AD.90.233.170	Ø 2.33	-	Ø 3.15	Ø 4.00	4.66	14.10	60.00
AD.90.235.170	Ø 2.35	-	Ø 3.15	Ø 4.00	4.70	14.10	60.00
AD.90.2381.170	Ø2.381	3/32"	Ø 3.20	Ø 4.00	4.76	14.20	60.00
AD.90.240.170	Ø 2.40	-	Ø 3.20	Ø 4.00	4.80	14.20	60.00
AD.90.245.170	Ø 2.45	-	Ø 3.25	Ø 4.00	4.90	14.40	60.00
AD.90.250.170	Ø 2.50	-	Ø 3.30	Ø 4.00	5.00	14.50	60.00

Article number	D1 k6 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	GL (mm)
AD.90.255.170	Ø 2.55	-	Ø 3.35	Ø 4.00	5.10	14.60	60.00
AD.90.260.170	Ø 2.60	-	Ø 3.40	Ø 4.00	5.20	14.70	60.00
AD.90.265.170	Ø 2.65	-	Ø 3.45	Ø 4.00	5.30	15.70	60.00
AD.90.270.170	Ø 2.70	-	Ø 3.50	Ø 4.00	5.40	15.80	60.00
AD.90.275.170	Ø 2.75	-	Ø 3.55	Ø 4.00	5.50	15.90	60.00
AD.90.280.170	Ø 2.80	-	Ø 3.60	Ø 4.00	5.60	16.00	60.00
AD.90.285.170	Ø 2.85	-	Ø 3.65	Ø 4.00	5.70	16.10	60.00
AD.90.290.170	Ø 2.90	-	Ø 3.70	Ø 4.00	5.80	16.20	60.00
AD.90.295.170	Ø 2.95	-	Ø 3.75	Ø 4.00	5.90	16.40	60.00
AD.90.300.170	Ø 3.00	-	Ø 3.80	Ø 4.00	6.00	17.20	65.00
AD.90.310.170	Ø 3.10	-	Ø 3.90	Ø 4.00	6.20	17.40	65.00
AD.90.310.170	Ø 3.15	-	Ø 4.00	Ø 4.00	6.30	17.70	65.00
AD.90.3175.170	Ø 3.175	1/8"	Ø 4.00	Ø 4.00	6.35	17.70	65.00
AD.90.320.170	Ø 3.20	-	Ø 4.00	Ø 4.00	6.40	17.70	65.00
AD.90.325.170	Ø 3.25	-	Ø 4.10	Ø 6.00	6.50	17.90	65.00
AD.90.330.170	Ø 3.30	-	Ø 4.10	Ø 6.00	6.60	17.90	65.00
AD.90.340.170	Ø 3.40	-	Ø 4.20	Ø 6.00	6.80	18.10	65.00
AD.90.350.170	Ø 3.50	-	Ø 4.30	Ø 6.00	7.00	18.30	65.00
AD.90.360.170	Ø 3.60	-	Ø 4.40	Ø 6.00	7.20	18.60	65.00
AD.90.365.170	Ø 3.65	-	Ø 4.50	Ø 6.00	7.30	18.80	65.00
AD.90.370.170	Ø 3.70	-	Ø 4.50	Ø 6.00	7.40	18.80	65.00
AD.90.380.170	Ø 3.80	-	Ø 4.60	Ø 6.00	7.60	19.00	65.00
AD.90.390.170	Ø 3.90	-	Ø 4.70	Ø 6.00	7.80	19.20	65.00
AD.90.3968.170	Ø 3.968	5/32"	Ø 4.80	Ø 6.00	7.94	19.50	65.00
AD.90.400.170	Ø 4.00	-	Ø 4.80	Ø 6.00	8.00	19.50	65.00
AD.90.410.170	Ø 4.10	-	Ø 5.10	Ø 6.00	8.20	21.30	65.00
AD.90.420.170	Ø 4.20	-	Ø 5.20	Ø 6.00	8.40	21.00	65.00
AD.90.430.170	Ø 4.30	-	Ø 5.30	Ø 6.00	8.60	21.60	65.00
AD.90.440.170	Ø 4.40	-	Ø 5.40	Ø 6.00	8.80	21.70	65.00
AD.90.450.170	Ø 4.50	-	Ø 5.50	Ø 6.00	9.00	27.00	70.00
AD.90.460.170	Ø 4.60	-	Ø 5.60	Ø 6.00	9.20	27.10	70.00
AD.90.465.170	Ø 4.65	-	Ø 5.70	Ø 6.00	9.40	27.30	70.00
AD.90.470.170	Ø 4.70	-	Ø 5.70	Ø 6.00	9.40	27.30	70.00
AD.90.4762.170	Ø 4.762	3/16"	Ø 5.80	Ø 6.00	9.52	27.40	70.00
AD.90.480.170	Ø 4.80	-	Ø 5.80	Ø 6.00	9.60	27.40	70.00
AD.90.490.170	Ø 4.90	-	Ø 5.90	Ø 6.00	9.80	27.60	70.00
AD.90.500.170	Ø 5.00	-	Ø 6.00	Ø 6.00	10.00	27.70	70.00
AD.90.510.170	Ø 5.10	-	Ø 6.10	Ø 8.00	10.20	27.90	70.00
AD.90.520.170	Ø 5.20	-	Ø 6.20	Ø 8.00	10.40	28.00	70.00
AD.90.530.170	Ø 5.30	-	Ø 6.30	Ø 8.00	10.60	28.10	70.00
AD.90.540.170	Ø 5.40	-	Ø 6.40	Ø 8.00	10.80	28.30	70.00
AD.90.550.170	Ø 5.50	-	Ø 6.50	Ø 8.00	11.00	28.40	70.00
AD.90.5556.170	Ø 5.556	7/32"	Ø 6.60	Ø 8.00	11.12	28.60	70.00
AD.90.560.170	Ø 5.60	-	Ø 6.60	Ø 8.00	11.20	28.60	70.00
AD.90.570.170	Ø 5.70	-	Ø 6.70	Ø 8.00	11.40	28.70	70.00
AD.90.580.170	Ø 5.80	-	Ø 6.80	Ø 8.00	11.60	28.90	70.00
AD.90.590.170	Ø 5.90	-	Ø 6.90	Ø 8.00	11.80	29.00	70.00
AD.90.600.170	Ø 6.00	-	Ø 7.00	Ø 8.00	12.00	29.10	70.00
AD.90.6350.170	Ø 6.350	1/4"	Ø 7.40	Ø 8.00	12.70	30.00	70.00

Article number	D1 k6 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	GL (mm)
AD.90.660.170	Ø 6.60	-	Ø 8.00	Ø 8.00	13.20	-	70.00
AD.90.670.170	Ø 6.70	-	Ø 8.00	Ø 8.00	13.40	-	70.00
AD.90.680.170	Ø 6.80	-	Ø 8.00	Ø 8.00	13.60	-	70.00
AD.90.690.170	Ø 6.90	-	Ø 8.00	Ø 8.00	13.80	-	70.00
AD.90.700.170	Ø 7.00	-	Ø 8.00	Ø 8.00	14.00	-	70.00
AD.90.720.170	Ø 7.20	-	Ø 8.00	Ø 8.00	14.00	-	70.00

Available from stock

Positional accurate piloting / drilling despite "burrs" or uneven surfaces

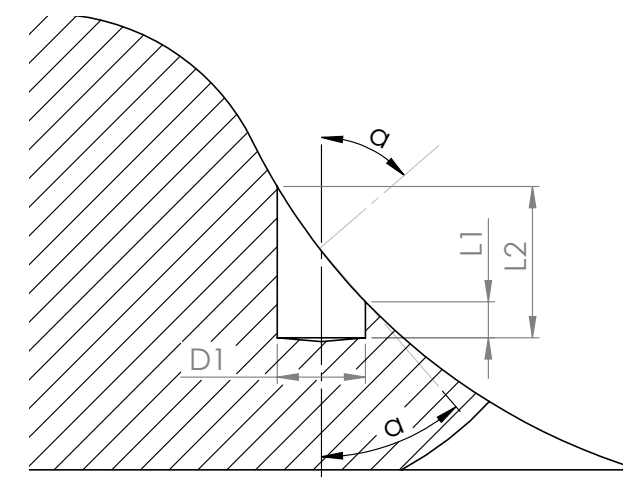


This ensures that the drilling no longer deviates.



Piloting/pre-drilling on the incline

without having to "spot face" with a mill



Calculation of the "short web width":

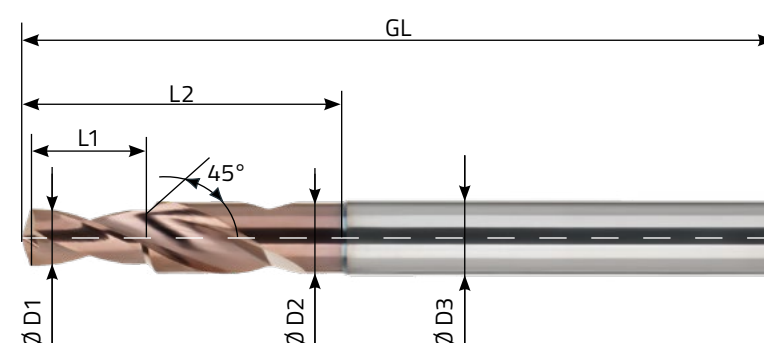
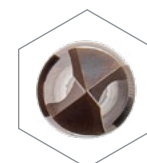
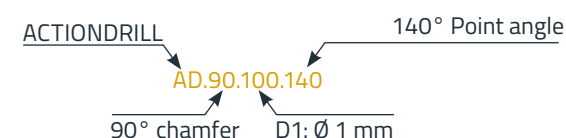
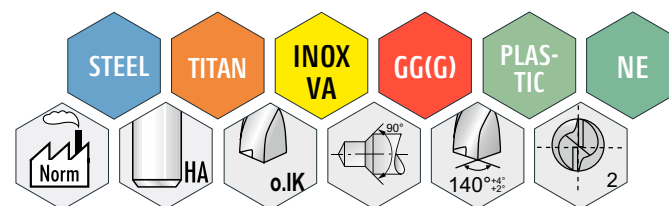
Formula: $L1 = 2 \times D - D \times \tan(\alpha)$

Calculation example:

Incline of 45°; drill Ø 1.85

$L1 = 2 \times 1.85 \text{ mm} - 1.85 \text{ mm} \times \tan(45^\circ) = 1.85 \text{ mm}$

INOX-Pilot



■ α-INOX coated



5 PRO's of the ACTIONDRILL:

- Combination tool: centering + drilling + chamfering
- Perfect positional accuracy
- 2xD drilling + chamfering
- Pilot drill (tolerance Øk6) for deep-hole drilling
- Shorter process times and high process reliability

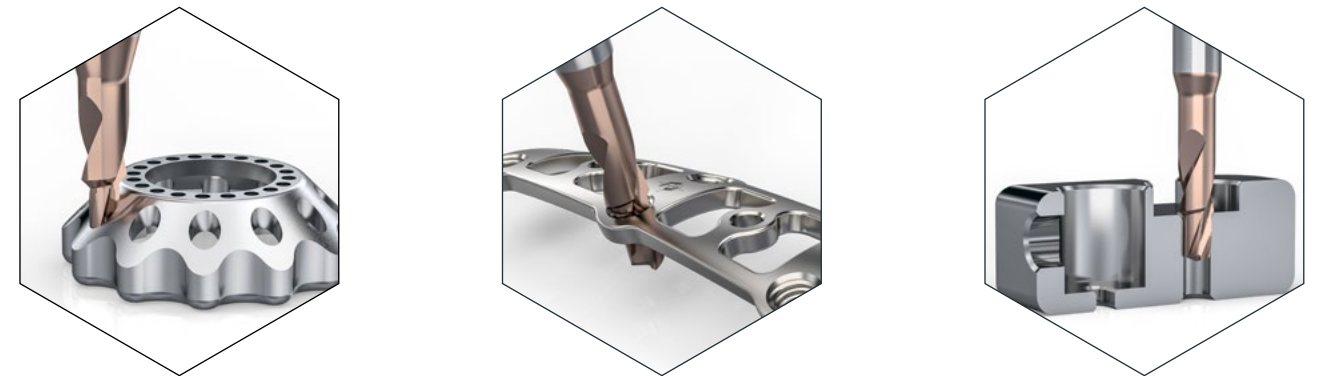
Online shop



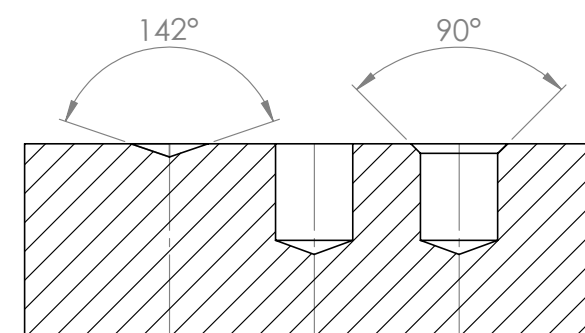
Article number	D1 k6 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	GL (mm)
AD.90.075.140	Ø 0.75	-	Ø 1.60	Ø 3.00	1.50	6.70	50.00
AD.90.080.140	Ø 0.80	-	Ø 1.60	Ø 3.00	1.60	6.70	50.00
AD.90.085.140	Ø 0.85	-	Ø 1.60	Ø 3.00	1.70	6.70	50.00
AD.90.090.140	Ø 0.90	-	Ø 1.60	Ø 3.00	1.80	6.70	50.00
AD.90.095.140	Ø 0.95	-	Ø 1.60	Ø 3.00	1.90	6.70	50.00
AD.90.100.140	Ø 1.00	-	Ø 1.60	Ø 4.00	2.00	6.70	55.00
AD.90.105.140	Ø 1.05	-	Ø 1.65	Ø 4.00	2.10	6.80	55.00
AD.90.110.140	Ø 1.10	-	Ø 1.70	Ø 4.00	2.20	7.00	55.00
AD.90.115.140	Ø 1.15	-	Ø 1.75	Ø 4.00	2.30	7.10	55.00
AD.90.120.140	Ø 1.20	-	Ø 1.80	Ø 4.00	2.40	7.20	55.00
AD.90.125.140	Ø 1.25	-	Ø 1.85	Ø 4.00	2.50	8.20	55.00
AD.90.130.140	Ø 1.30	-	Ø 1.90	Ø 4.00	2.60	8.30	55.00
AD.90.135.140	Ø 1.35	-	Ø 1.95	Ø 4.00	2.70	8.40	55.00
AD.90.140.140	Ø 1.40	-	Ø 2.00	Ø 4.00	2.80	8.50	55.00
AD.90.145.140	Ø 1.45	-	Ø 2.05	Ø 4.00	2.90	8.60	55.00
AD.90.150.140	Ø 1.50	-	Ø 2.10	Ø 4.00	3.00	9.60	55.00
AD.90.155.140	Ø 1.55	-	Ø 2.15	Ø 4.00	3.10	9.70	55.00
AD.90.1587.140	Ø 1.587	1/16"	Ø 2.20	Ø 4.00	3.17	9.80	55.00
AD.90.160.140	Ø 1.60	-	Ø 2.20	Ø 4.00	3.20	9.80	55.00
AD.90.165.140	Ø 1.65	-	Ø 2.25	Ø 4.00	3.30	9.90	55.00
AD.90.170.140	Ø 1.70	-	Ø 2.30	Ø 4.00	3.40	10.10	55.00
AD.90.175.140	Ø 1.75	-	Ø 2.35	Ø 4.00	3.50	10.20	55.00
AD.90.180.140	Ø 1.80	-	Ø 2.40	Ø 4.00	3.60	11.10	55.00
AD.90.185.140	Ø 1.85	-	Ø 2.45	Ø 4.00	3.70	11.30	55.00
AD.90.190.140	Ø 1.90	-	Ø 2.50	Ø 4.00	3.80	11.40	55.00
AD.90.195.140	Ø 1.95	-	Ø 2.55	Ø 4.00	3.90	11.50	55.00
AD.90.200.140	Ø 2.00	-	Ø 2.60	Ø 4.00	4.00	11.60	60.00
AD.90.203.140	Ø 2.03	-	Ø 2.85	Ø 4.00	4.06	11.70	60.00
AD.90.205.140	Ø 2.05	-	Ø 2.85	Ø 4.00	4.10	11.70	60.00
AD.90.210.140	Ø 2.10	-	Ø 2.90	Ø 4.00	4.20	11.80	60.00
AD.90.215.140	Ø 2.15	-	Ø 2.95	Ø 4.00	4.30	11.90	60.00
AD.90.220.140	Ø 2.20	-	Ø 3.00	Ø 4.00	4.40	13.80	60.00
AD.90.225.140	Ø 2.25	-	Ø 3.05	Ø 4.00	4.50	13.90	60.00
AD.90.230.140	Ø 2.30	-	Ø 3.10	Ø 4.00	4.60	14.00	60.00
AD.90.233.140	Ø 2.33	-	Ø 3.15	Ø 4.00	4.66	14.10	60.00
AD.90.235.140	Ø 2.35	-	Ø 3.15	Ø 4.00	4.70	14.10	60.00
AD.90.2381.140	Ø2.381	3/32"	Ø 3.20	Ø 4.00	4.76	14.20	60.00
AD.90.240.140	Ø 2.40	-	Ø 3.20	Ø 4.00	4.80	14.20	60.00
AD.90.245.140	Ø 2.45	-	Ø 3.25	Ø 4.00	4.90	14.40	60.00
AD.90.250.140	Ø 2.50	-	Ø 3.30	Ø 4.00	5.00	14.50	60.00
AD.90.255.140	Ø 2.55	-	Ø 3.35	Ø 4.00	5.10	14.60	60.00
AD.90.260.140	Ø 2.60	-	Ø 3.40	Ø 4.00	5.20	14.70	60.00
AD.90.265.140	Ø 2.65	-	Ø 3.45	Ø 4.00	5.30	15.70	60.00
AD.90.270.140	Ø 2.70	-	Ø 3.50	Ø 4.00	5.40	15.80	60.00
AD.90.275.140	Ø 2.75	-	Ø 3.55	Ø 4.00	5.50	15.90	60.00
AD.90.280.140	Ø 2.80	-	Ø 3.60	Ø 4.00	5.60	16.00	60.00
AD.90.285.140	Ø 2.85	-	Ø 3.65	Ø 4.00	5.70	16.10	60.00
AD.90.290.140	Ø 2.90	-	Ø 3.70	Ø 4.00	5.80	16.20	60.00
AD.90.295.140	Ø 2.95	-	Ø 3.75	Ø 4.00	5.90	16.40	60.00
AD.90.300.140	Ø 3.00	-	Ø 3.80	Ø 4.00	6.00	17.20	65.00

Article number	D1 k6 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	GL (mm)
AD.90.310.140	Ø 3.10	-	Ø 3.90	Ø 4.00	6.20	17.40	65.00
AD.90.315.140	Ø 3.15	-	Ø 4.00	Ø 4.00	6.30	17.70	65.00
AD.90.3175.140	Ø 3.175	1/8"	Ø 4.00	Ø 4.00	6.35	17.70	65.00
AD.90.320.140	Ø 3.20	-	Ø 4.00	Ø 4.00	6.40	17.70	65.00
AD.90.325.140	Ø 3.25	-	Ø 4.10	Ø 4.00	6.50	17.90	65.00
AD.90.330.140	Ø 3.30	-	Ø 4.10	Ø 6.00	6.60	17.90	65.00
AD.90.340.140	Ø 3.40	-	Ø 4.20	Ø 6.00	6.80	18.10	65.00
AD.90.350.140	Ø 3.50	-	Ø 4.30	Ø 6.00	7.00	18.30	65.00
AD.90.360.140	Ø 3.60	-	Ø 4.40	Ø 6.00	7.20	18.60	65.00
AD.90.365.140	Ø 3.65	-	Ø 4.50	Ø 6.00	7.30	18.80	65.00
AD.90.370.140	Ø 3.70	-	Ø 4.50	Ø 6.00	7.40	18.80	65.00
AD.90.380.140	Ø 3.80	-	Ø 4.60	Ø 6.00	7.60	19.00	65.00
AD.90.390.140	Ø 3.90	-	Ø 4.70	Ø 6.00	7.80	19.20	65.00
AD.90.3968.140	Ø 3.968	5/32"	Ø 4.80	Ø 6.00	7.94	19.50	65.00
AD.90.400.140	Ø 4.00	-	Ø 4.80	Ø 6.00	8.00	19.50	65.00
AD.90.410.140	Ø 4.10	-	Ø 5.10	Ø 6.00	8.20	21.30	65.00
AD.90.420.140	Ø 4.20	-	Ø 5.20	Ø 6.00	8.40	21.00	65.00
AD.90.430.140	Ø 4.30	-	Ø 5.30	Ø 6.00	8.60	21.60	65.00
AD.90.440.140	Ø 4.40	-	Ø 5.40	Ø 6.00	8.80	21.70	65.00
AD.90.450.140	Ø 4.50	-	Ø 5.50	Ø 6.00	9.00	27.00	70.00
AD.90.460.140	Ø 4.60	-	Ø 5.60	Ø 6.00	9.20	27.10	70.00
AD.90.465.140	Ø 4.65	-	Ø 5.70	Ø 6.00	9.40	27.30	70.00
AD.90.470.140	Ø 4.70	-	Ø 5.70	Ø 6.00	9.40	27.30	70.00
AD.90.4762.140	Ø 4.762	3/16"	Ø 5.80	Ø 6.00	9.52	27.40	70.00
AD.90.480.140	Ø 4.80	-	Ø 5.80	Ø 6.00	9.60	27.40	70.00
AD.90.490.140	Ø 4.90	-	Ø 5.90	Ø 6.00	9.80	27.60	70.00
AD.90.500.140	Ø 5.00	-	Ø 6.00	Ø 6.00	10.00	27.70	70.00
AD.90.510.140	Ø 5.10	-	Ø 6.10	Ø 8.00	10.20	27.90	70.00
AD.90.520.140	Ø 5.20	-	Ø 6.20	Ø 8.00	10.40	28.00	70.00
AD.90.530.140	Ø 5.30	-	Ø 6.30	Ø 8.00	10.60	28.10	70.00
AD.90.540.140	Ø 5.40	-	Ø 6.40	Ø 8.00	10.80	28.30	70.00
AD.90.550.140	Ø 5.50	-	Ø 6.50	Ø 8.00	11.00	28.40	70.00
AD.90.5556.140	Ø 5.556	7/32"	Ø 6.60	Ø 8.00	11.12	28.60	70.00
AD.90.560.140	Ø 5.60	-	Ø 6.60	Ø 8.00	11.20	28.60	70.00
AD.90.570.140	Ø 5.70	-	Ø 6.70	Ø 8.00	11.40	28.70	70.00
AD.90.580.140	Ø 5.80	-	Ø 6.80	Ø 8.00	11.60	28.90	70.00
AD.90.590.140	Ø 5.90	-	Ø 6.90	Ø 8.00	11.80	29.00	70.00
AD.90.600.140	Ø 6.00	-	Ø 7.00	Ø 8.00	12.00	29.10	70.00
AD.90.620.140	Ø 6.20	-	Ø 7.40	Ø 8.00	12.70	30.00	70.00
AD.90.6350.140	Ø 6.350	1/4"	Ø 7.40	Ø 8.00	12.70	30.00	70.00
AD.90.660.140	Ø 6.60	-	Ø 7.80	Ø 8.00	13.20	30.00	70.00
AD.90.670.140	Ø 6.70	-	Ø 8.00	Ø 8.00	13.40	30.00	70.00
AD.90.680.140	Ø 6.80	-	Ø 8.00	Ø 8.00	13.60	30.00	70.00
AD.90.690.140	Ø 6.90	-	Ø 8.00	Ø 8.00	13.80	30.00	70.00
AD.90.700.140	Ø 7.00	-	Ø 8.00	Ø 8.00	14.00	30.00	70.00
AD.90.720.140	Ø 7.20	-	Ø 8.00	Ø 8.00	14.40	30.00	70.00

Available from stock



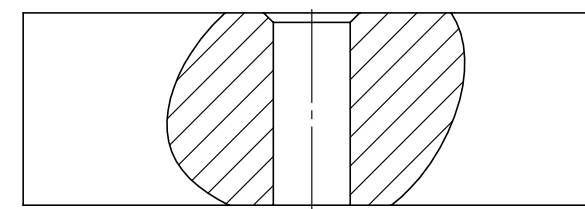
Conventional machining with 3 tools



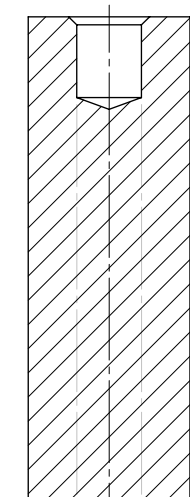
- 1. Centering
- 2. Drilling
- 3. Chamfering

Now with just one tool

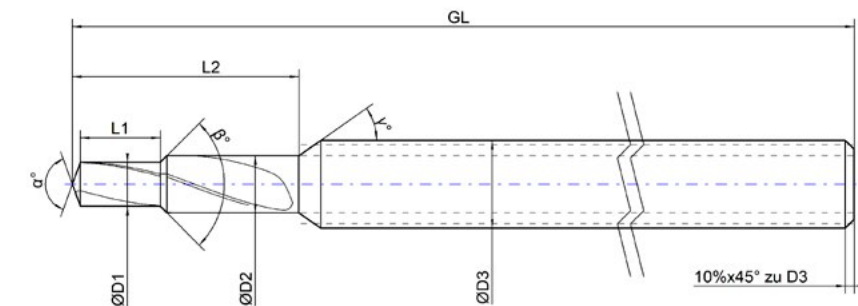
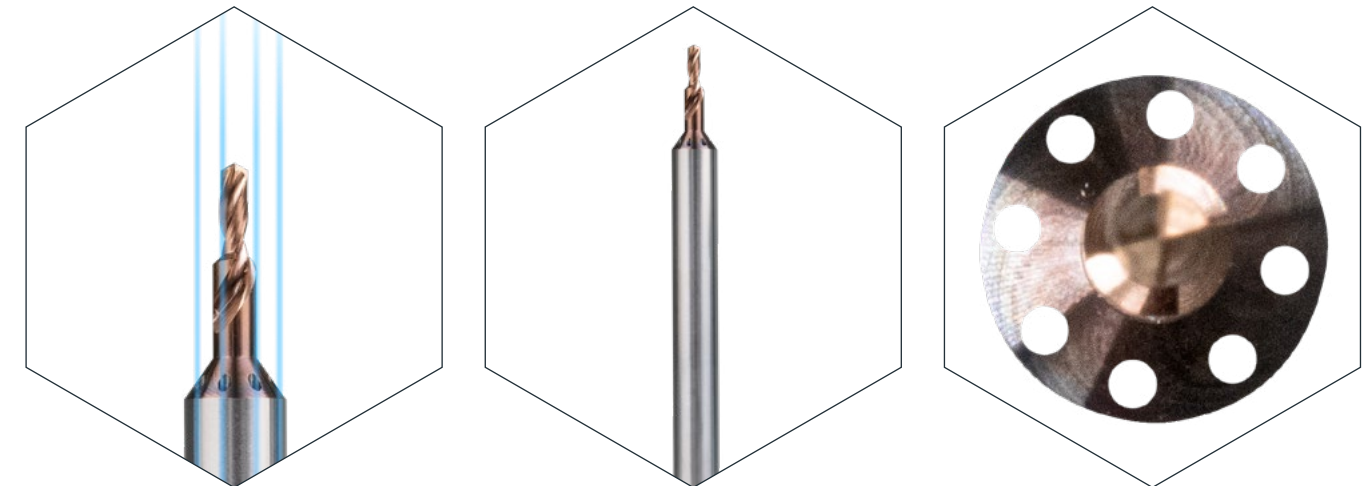
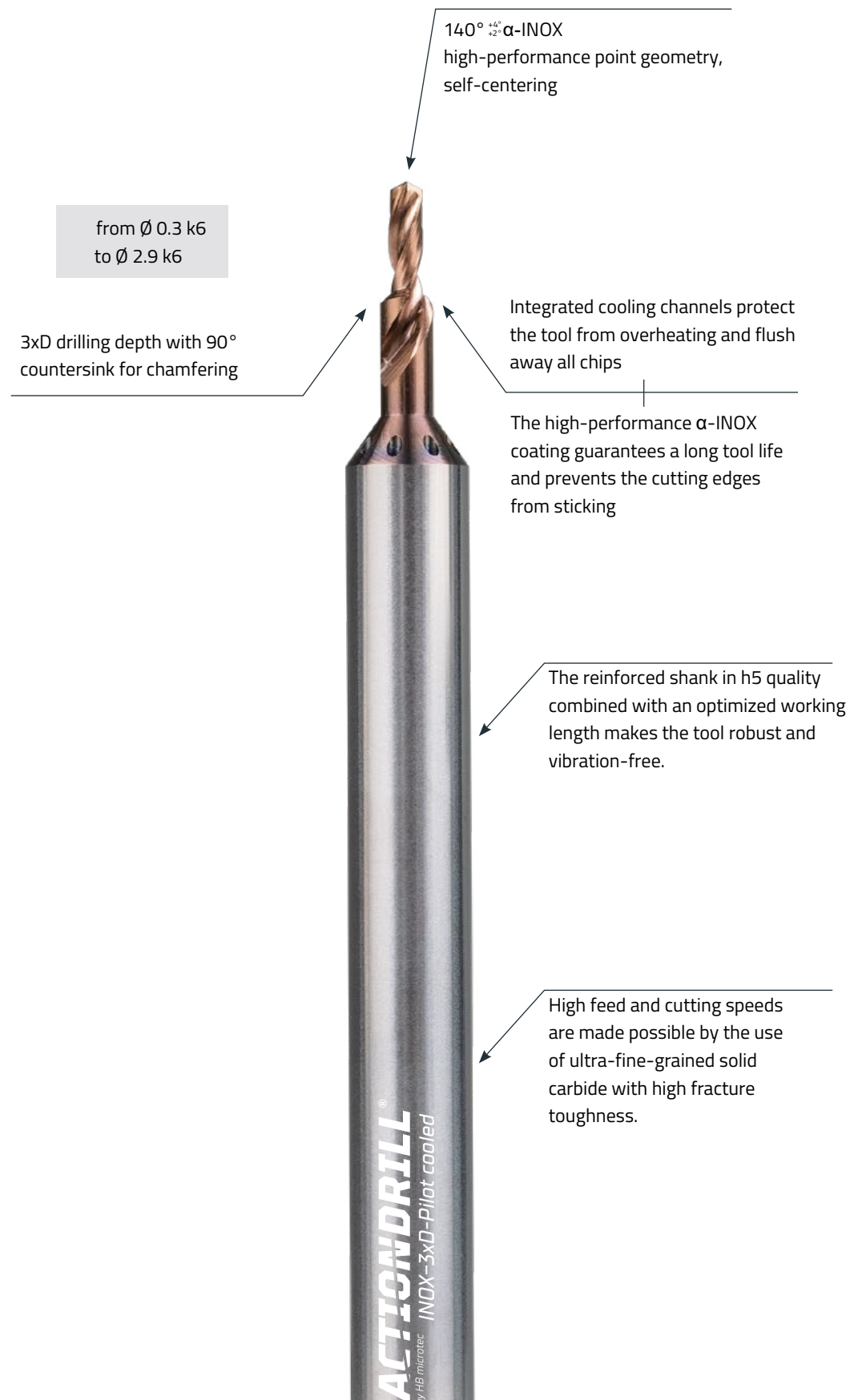
Centering, drilling + chamfering!



- Short drilling 2xD + chamfer



- Pilot drilling (k6)
- 2xD + chamfer
- For deep-hole drilling



☐ Inquiry

☐ Order

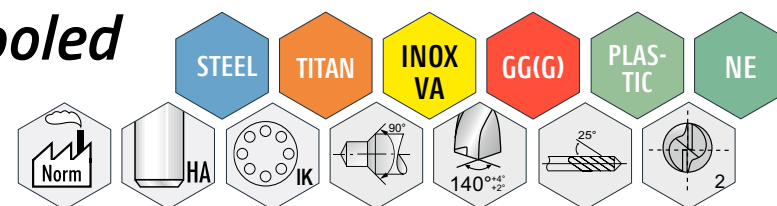
Order number: _____

Other: _____

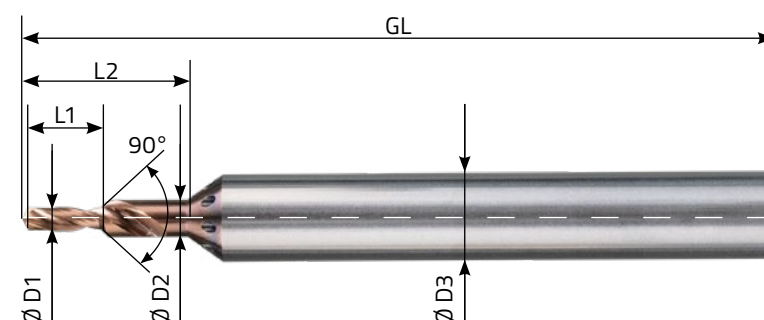
Dimensions: D ₁ : _____ GL: _____ α : _____ D ₂ : _____ L ₁ : _____ β : _____ D ₃ : _____ L ₂ : _____ γ : _____ Z: _____	Coating: ☐ Coated*: _____ ☐ Uncoated	Cooling channels: ☐ No ☐ Yes Cutting direction: ☐ Right ☐ Left
Material to be machined: _____	Shank shape: _____	Quantity: _____
Date, signature & company stamp: _____		Contact person: _____

* Without further information, the most suitable coating will be used.

INOX-3xD-Pilot cooled



ACTIONDRILL
AD.90.030.140.IK
140° Point angle
Integrated cooling
90° chamfer
D1: Ø 0.3 mm



■ α-INOX coated



5 PRO's of the ACTIONDRILL:

- Combination tool: centering + drilling + chamfering
- High performance & positioning accuracy
- Cooled "micro" step drill
- 3xD pilot drill for your deep-hole application
- Winding chips are efficiently flushed away



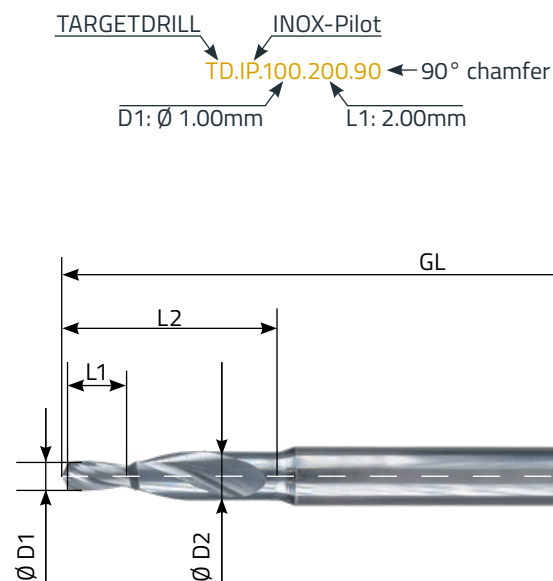
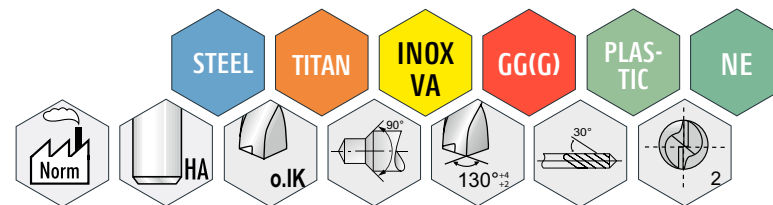
Online shop



Article number	D1 k6 (mm)	D1 (inch)	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	GL (mm)
AD.90.030.140.IK	Ø 0.300	-	Ø 0.70	Ø 4.00	0.90	3.30	40.00
AD.90.035.140.IK	Ø 0.350	-	Ø 0.75	Ø 4.00	1.05	3.40	40.00
AD.90.040.140.IK	Ø 0.400	-	Ø 0.80	Ø 4.00	1.20	3.60	40.00
AD.90.045.140.IK	Ø 0.450	-	Ø 0.85	Ø 4.00	1.35	3.80	40.00
AD.90.050.140.IK	Ø 0.500	-	Ø 0.90	Ø 4.00	1.50	4.00	40.00
AD.90.055.140.IK	Ø 0.550	-	Ø 0.95	Ø 4.00	1.65	4.20	40.00
AD.90.060.140.IK	Ø 0.600	-	Ø 1.00	Ø 4.00	1.80	4.40	40.00
AD.90.065.140.IK	Ø 0.650	-	Ø 1.05	Ø 4.00	1.95	4.70	40.00
AD.90.070.140.IK	Ø 0.700	-	Ø 1.10	Ø 4.00	2.10	5.00	40.00
AD.90.075.140.IK	Ø 0.750	-	Ø 1.15	Ø 4.00	2.25	5.30	40.00
AD.90.080.140.IK	Ø 0.800	-	Ø 1.20	Ø 4.00	2.40	5.60	40.00
AD.90.085.140.IK	Ø 0.850	-	Ø 1.25	Ø 4.00	2.55	6.00	40.00
AD.90.090.140.IK	Ø 0.900	-	Ø 1.30	Ø 4.00	2.70	6.30	40.00
AD.90.095.140.IK	Ø 0.950	-	Ø 1.35	Ø 4.00	2.85	6.70	40.00
AD.90.100.140.IK	Ø 1.000	-	Ø 1.60	Ø 4.00	3.00	7.10	50.00
AD.90.105.140.IK	Ø 1.050	-	Ø 1.65	Ø 4.00	3.15	7.40	50.00
AD.90.110.140.IK	Ø 1.100	-	Ø 1.70	Ø 4.00	3.30	7.60	50.00
AD.90.115.140.IK	Ø 1.150	-	Ø 1.75	Ø 4.00	3.45	8.00	50.00
AD.90.120.140.IK	Ø 1.200	-	Ø 1.80	Ø 4.00	3.60	8.40	50.00
AD.90.125.140.IK	Ø 1.250	-	Ø 1.85	Ø 4.00	3.75	8.80	50.00
AD.90.130.140.IK	Ø 1.300	-	Ø 1.90	Ø 4.00	3.90	9.10	50.00
AD.90.135.140.IK	Ø 1.350	-	Ø 1.95	Ø 4.00	4.05	9.30	50.00
AD.90.140.140.IK	Ø 1.400	-	Ø 2.00	Ø 4.00	4.20	9.40	50.00
AD.90.145.140.IK	Ø 1.450	-	Ø 2.05	Ø 4.00	4.35	9.60	50.00
AD.90.150.140.IK	Ø 1.500	-	Ø 2.10	Ø 4.00	4.50	9.70	50.00
AD.90.155.140.IK	Ø 1.550	-	Ø 2.15	Ø 4.00	4.65	10.00	50.00
AD.90.1587.140.IK	Ø 1.587	1/16"	Ø 2.20	Ø 4.00	4.76	10.20	50.00
AD.90.160.140.IK	Ø 1.600	-	Ø 2.20	Ø 4.00	4.80	10.20	50.00
AD.90.165.140.IK	Ø 1.650	-	Ø 2.25	Ø 4.00	4.95	10.50	50.00
AD.90.170.140.IK	Ø 1.700	-	Ø 2.30	Ø 4.00	5.10	10.80	50.00
AD.90.175.140.IK	Ø 1.750	-	Ø 2.35	Ø 4.00	5.25	11.10	50.00
AD.90.180.140.IK	Ø 1.800	-	Ø 2.40	Ø 4.00	5.40	11.40	50.00
AD.90.185.140.IK	Ø 1.850	-	Ø 2.45	Ø 4.00	5.55	11.70	50.00
AD.90.190.140.IK	Ø 1.900	-	Ø 2.50	Ø 4.00	5.70	12.00	50.00
AD.90.195.140.IK	Ø 1.950	-	Ø 2.55	Ø 4.00	5.85	12.30	50.00
AD.90.200.140.IK	Ø 2.000	-	Ø 2.60	Ø 4.00	6.00	12.60	50.00
AD.90.203.140.IK	Ø 2.030	-	Ø 3.30	Ø 6.00	6.09	12.60	50.00
AD.90.205.140.IK	Ø 2.050	-	Ø 3.30	Ø 6.00	4.10	12.60	50.00
AD.90.210.140.IK	Ø 2.100	-	Ø 3.30	Ø 6.00	4.20	12.60	50.00
AD.90.215.140.IK	Ø 2.150	-	Ø 3.30	Ø 6.00	4.30	12.60	50.00
AD.90.225.140.IK	Ø 2.250	-	Ø 3.50	Ø 6.00	4.50	12.60	50.00
AD.90.230.140.IK	Ø 2.300	-	Ø 3.50	Ø 6.00	4.60	12.60	50.00
AD.90.233.140.IK	Ø 2.330	-	Ø 3.50	Ø 6.00	4.66	12.60	50.00
AD.90.235.140.IK	Ø 2.350	-	Ø 3.50	Ø 6.00	4.70	12.60	50.00
AD.90.2381.140.IK	Ø 2.381	3/32"	Ø 3.20	Ø 4.00	7.14	15.00	60.00
AD.90.240.140.IK	Ø 2.400	-	Ø 3.60	Ø 6.00	4.80	12.60	50.00
AD.90.250.140.IK	Ø 2.500	-	Ø 3.70	Ø 6.00	5.00	12.60	50.00
AD.90.255.140.IK	Ø 2.550	-	Ø 3.80	Ø 6.00	5.10	12.60	50.00
AD.90.260.140.IK	Ø 2.600	-	Ø 3.80	Ø 6.00	5.20	12.60	50.00
AD.90.265.140.IK	Ø 2.650	-	Ø 3.90	Ø 6.00	5.30	12.60	50.00
AD.90.270.140.IK	Ø 2.700	-	Ø 4.00	Ø 6.00	5.40	12.60	50.00
AD.90.275.140.IK	Ø 2.750	-	Ø 4.00	Ø 6.00	5.50	12.60	50.00
AD.90.280.140.IK	Ø 2.800	-	Ø 4.00	Ø 6.00	5.60	12.60	50.00
AD.90.285.140.IK	Ø 2.850	-	Ø 4.10	Ø 6.00	5.70	12.60	50.00
AD.90.290.140.IK	Ø 2.900	-	Ø 4.10	Ø 6.00	5.80	12.60	50.00

Available from stock

INOX-Pilot 130°



■ α-INOXcronos coated



5 PRO's of the ACTIONDRILL:

- Combination tool: centering + drilling + chamfering
- Perfect positional accuracy
- 2xD drilling + chamfering
- Pilot drill (tolerance Øm5) for deep-hole drilling
- Shorter process times and high process reliability

Online shop

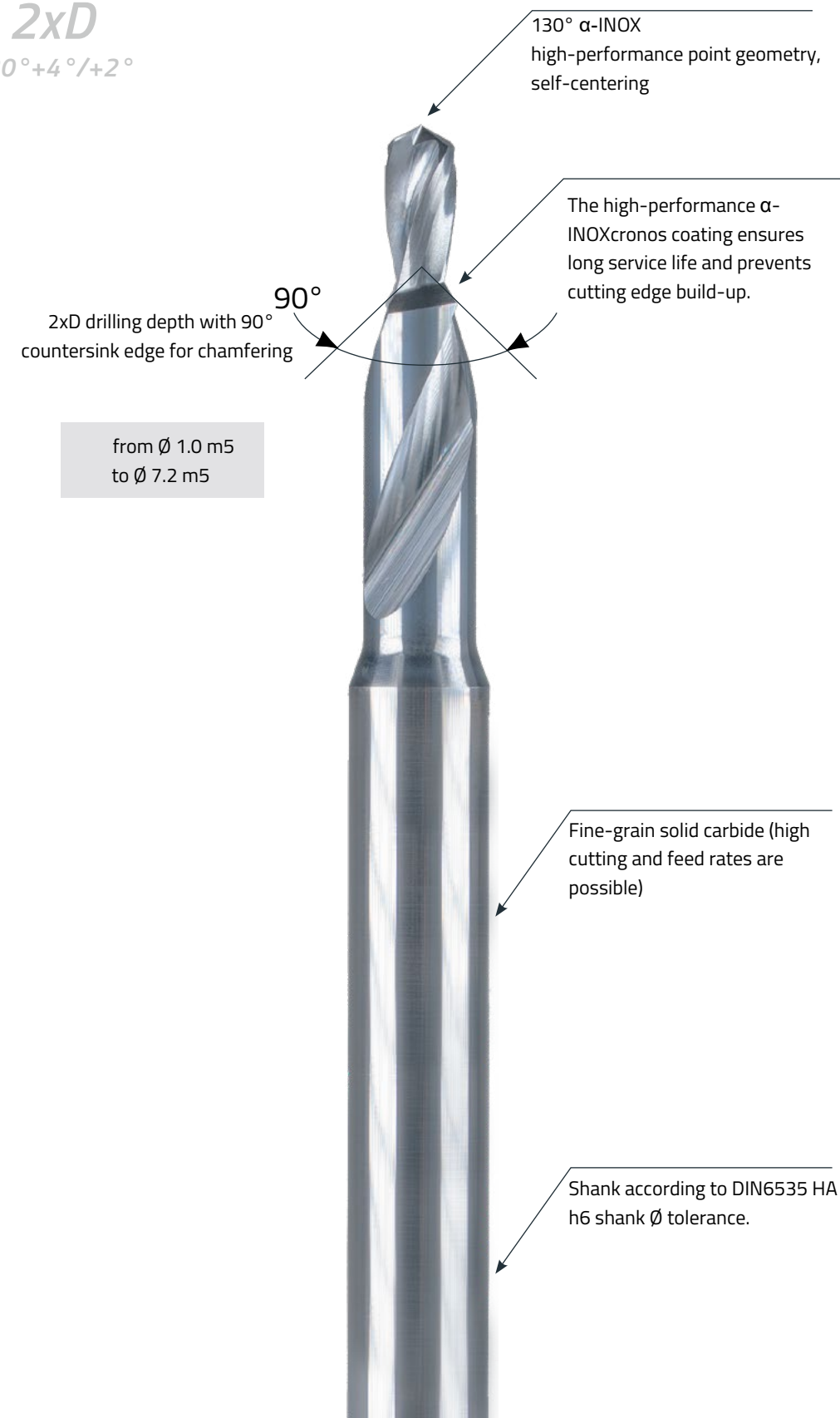


Article number	D1 m5 (mm)	D1 m5 (inch)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.IP.075.150.90	Ø 0.750	-	Ø 1.80	Ø 3.00	1.50	7.30	45.00
TD.IP.080.160.90	Ø 0.800	-	Ø 1.80	Ø 3.00	1.60	7.30	45.00
TD.IP.085.170.90	Ø 0.850	-	Ø 1.80	Ø 3.00	1.70	7.30	45.00
TD.IP.090.180.90	Ø 0.900	-	Ø 1.80	Ø 3.00	1.80	8.30	45.00
TD.IP.095.190.90	Ø 0.950	-	Ø 1.80	Ø 3.00	1.90	7.30	45.00
TD.IP.100.200.90	Ø 1.000	-	Ø 1.80	Ø 4.00	2.00	7.30	45.00
TD.IP.105.210.90	Ø 1.050	-	Ø 1.80	Ø 4.00	2.10	7.70	45.00
TD.IP.110.220.90	Ø 1.100	-	Ø 1.80	Ø 4.00	2.20	8.05	45.00
TD.IP.115.230.90	Ø 1.150	-	Ø 1.80	Ø 4.00	2.30	8.40	45.00
TD.IP.120.240.90	Ø 1.200	-	Ø 2.10	Ø 4.00	2.40	8.80	45.00
TD.IP.125.250.90	Ø 1.250	-	Ø 2.10	Ø 4.00	2.50	9.15	45.00
TD.IP.130.260.90	Ø 1.300	-	Ø 2.10	Ø 4.00	2.60	9.50	45.00
TD.IP.135.270.90	Ø 1.350	-	Ø 2.10	Ø 4.00	2.70	9.90	45.00
TD.IP.140.280.90	Ø 1.400	-	Ø 2.10	Ø 4.00	2.80	10.25	45.00
TD.IP.145.290.90	Ø 1.450	-	Ø 2.45	Ø 4.00	2.90	10.60	45.00
TD.IP.150.300.90	Ø 1.500	-	Ø 2.45	Ø 4.00	3.00	10.95	48.00
TD.IP.155.310.90	Ø 1.550	-	Ø 2.45	Ø 4.00	3.10	11.35	48.00
TD.IP.1588.3175.90	Ø 1.588	1/16"	Ø 2.45	Ø 4.00	3.175	11.70	48.00
TD.IP.160.320.90	Ø 1.600	-	Ø 2.45	Ø 4.00	3.20	11.70	48.00
TD.IP.165.330.90	Ø 1.650	-	Ø 2.45	Ø 4.00	3.30	12.05	48.00
TD.IP.170.340.90	Ø 1.700	-	Ø 2.80	Ø 4.00	3.40	12.45	48.00
TD.IP.175.350.90	Ø 1.750	-	Ø 2.80	Ø 4.00	3.50	12.80	48.00
TD.IP.180.360.90	Ø 1.800	-	Ø 2.80	Ø 4.00	3.60	13.15	48.00
TD.IP.185.370.90	Ø 1.850	-	Ø 2.80	Ø 4.00	3.70	13.55	48.00
TD.IP.190.380.90	Ø 1.900	-	Ø 2.80	Ø 4.00	3.80	13.90	48.00
TD.IP.195.390.90	Ø 1.950	-	Ø 2.80	Ø 4.00	3.90	14.25	48.00
TD.IP.200.400.90	Ø 2.000	-	Ø 3.30	Ø 4.00	4.00	14.60	52.00
TD.IP.203.4060.90	Ø 2.030	-	Ø 3.30	Ø 4.00	4.06	15.00	52.00
TD.IP.205.410.90	Ø 2.050	-	Ø 3.30	Ø 4.00	4.10	15.00	52.00
TD.IP.210.420.90	Ø 2.100	-	Ø 3.30	Ø 4.00	4.20	15.35	52.00
TD.IP.215.430.90	Ø 2.150	-	Ø 3.30	Ø 4.00	4.30	15.70	52.00
TD.IP.220.440.90	Ø 2.200	-	Ø 3.30	Ø 4.00	4.40	16.10	52.00
TD.IP.225.450.90	Ø 2.250	-	Ø 3.30	Ø 4.00	4.50	16.45	52.00
TD.IP.230.460.90	Ø 2.300	-	Ø 3.60	Ø 4.00	4.60	16.80	52.00
TD.IP.233.4660.90	Ø 2.330	-	Ø 3.60	Ø 4.00	4.66	17.20	52.00
TD.IP.235.470.90	Ø 2.350	-	Ø 3.60	Ø 4.00	4.70	17.20	52.00
TD.IP.2381.4762.90	Ø 2.381	3/32"	Ø 3.60	Ø 4.00	4.762	17.55	52.00
TD.IP.240.480.90	Ø 2.400	-	Ø 3.60	Ø 4.00	4.80	17.55	52.00
TD.IP.245.490.90	Ø 2.450	-	Ø 3.60	Ø 4.00	4.90	17.90	52.00
TD.IP.250.500.90	Ø 2.500	-	Ø 3.60	Ø 4.00	5.00	18.25	56.00
TD.IP.255.510.90	Ø 2.550	-	Ø 3.60	Ø 4.00	5.10	18.65	56.00
TD.IP.260.520.90	Ø 2.600	-	Ø 4.00	Ø 4.00	5.20	-	56.00
TD.IP.265.530.90	Ø 2.650	-	Ø 4.00	Ø 4.00	5.30	-	56.00
TD.IP.270.540.90	Ø 2.700	-	Ø 4.00	Ø 4.00	5.40	-	56.00
TD.IP.275.550.90	Ø 2.750	-	Ø 4.00	Ø 4.00	5.50	-	56.00
TD.IP.280.560.90	Ø 2.800	-	Ø 4.00	Ø 4.00	5.60	-	56.00
TD.IP.285.570.90	Ø 2.850	-	Ø 4.00	Ø 4.00	5.70	-	56.00
TD.IP.290.580.90	Ø 2.900	-	Ø 4.00	Ø 4.00	5.80	-	56.00
TD.IP.295.590.90	Ø 2.950	-	Ø 4.00	Ø 4.00	5.90	-	56.00
TD.IP.300.600.90	Ø 3.000	-	Ø 4.80	Ø 6.00	6.00	21.90	60.00
TD.IP.305.610.90	Ø 3.050	-	Ø 4.80	Ø 6.00	6.10	22.30	60.00
TD.IP.310.620.90	Ø 3.100	-	Ø 4.80	Ø 6.00	6.20	22.65	60.00
TD.IP.315.630.90	Ø 3.150	-	Ø 4.80	Ø 6.00	6.30	23.00	60.00

Article number	D1 m5 (mm)	D1 m5 (inch)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.IP.3175.6350.90	Ø 3.175	1/8"	Ø 4.80	Ø 6.00	6.35	23.40	60.00
TD.IP.320.640.90	Ø 3.200	-	Ø 4.80	Ø 6.00	6.40	23.40	60.00
TD.IP.325.650.90	Ø 3.250	-	Ø 4.80	Ø 6.00	6.50	23.75	60.00
TD.IP.330.660.90	Ø 3.300	-	Ø 4.80	Ø 6.00	6.60	24.10	60.00
TD.IP.335.670.90	Ø 3.350	-	Ø 4.80	Ø 6.00	6.70	24.50	60.00
TD.IP.340.680.90	Ø 3.400	-	Ø 4.80	Ø 6.00	6.80	24.85	60.00
TD.IP.345.690.90	Ø 3.450	-	Ø 4.80	Ø 6.00	6.90	25.20	60.00
TD.IP.350.700.90	Ø 3.500	-	Ø 5.50	Ø 6.00	7.00	25.55	65.00
TD.IP.355.710.90	Ø 3.550	-	Ø 5.50	Ø 6.00	7.10	25.95	65.00
TD.IP.360.720.90	Ø 3.600	-	Ø 5.50	Ø 6.00	7.20	26.30	65.00
TD.IP.365.730.90	Ø 3.650	-	Ø 5.50	Ø 6.00	7.30	26.65	65.00
TD.IP.370.740.90	Ø 3.700	-	Ø 5.50	Ø 6.00	7.40	27.05	65.00
TD.IP.375.750.90	Ø 3.750	-	Ø 5.50	Ø 6.00	7.50	27.40	70.00
TD.IP.380.760.90	Ø 3.800	-	Ø 5.50	Ø 6.00	7.60	27.75	70.00
TD.IP.385.770.90	Ø 3.850	-	Ø 5.50	Ø 6.00	7.70	28.15	70.00
TD.IP.390.780.90	Ø 3.900	-	Ø 5.50	Ø 6.00	7.80	28.50	70.00
TD.IP.395.790.90	Ø 3.950	-	Ø 5.50	Ø 6.00	7.90	28.85	70.00
TD.IP.3969.7937.90	Ø 3.969	5/32"	Ø 5.50	Ø 6.00	7.937	29.20	70.00
TD.IP.400.800.90	Ø 4.000	-	Ø 5.50	Ø 6.00	8.00	29.20	70.00
TD.IP.410.820.90	Ø 4.100	-	Ø 6.00	Ø 6.00	8.20	-	75.00
TD.IP.420.840.90	Ø 4.200	-	Ø 6.00	Ø 6.00	8.40	-	75.00
TD.IP.430.860.90	Ø 4.300	-	Ø 6.00	Ø 6.00	8.60	-	75.00
TD.IP.440.880.90	Ø 4.400	-	Ø 6.00	Ø 6.00	8.80	-	75.00
TD.IP.450.900.90	Ø 4.500	-	Ø 6.00	Ø 6.00	9.00	-	75.00
TD.IP.460.920.90	Ø 4.600	-	Ø 6.00	Ø 6.00	9.20	-	75.00
TD.IP.465.930.90	Ø 4.650	-	Ø 6.00	Ø 6.00	9.30	-	75.00
TD.IP.470.940.90	Ø 4.700	-	Ø 6.00	Ø 6.00	9.40	-	75.00
TD.IP.4763.9525.90	Ø 4.763	3/16"	Ø 6.00	Ø 6.00	9.525	-	75.00
TD.IP.480.960.90	Ø 4.800	-	Ø 6.00	Ø 6.00	9.60	-	75.00
TD.IP.490.980.90	Ø 4.900	-	Ø 6.00	Ø 6.00	9.80	-	75.00
TD.IP.500.1000.90	Ø 5.000	-	Ø 8.00	Ø 8.00	10.00	-	80.00
TD.IP.510.1020.90	Ø 5.100	-	Ø 8.00	Ø 8.00	10.20	-	80.00
TD.IP.520.1040.90	Ø 5.200	-	Ø 8.00	Ø 8.00	10.40	-	80.00
TD.IP.530.1060.90	Ø 5.300	-	Ø 8.00	Ø 8.00	10.60	-	80.00
TD.IP.540.1080.90	Ø 5.400	-	Ø 8.00	Ø 8.00	10.80	-	80.00
TD.IP.550.1100.90	Ø 5.500	-	Ø 8.00	Ø 8.00	11.00	-	80.00
TD.IP.5556.1111.90	Ø 5.556	7/32"	Ø 8.00	Ø 8.00	11.112	-	80.00
TD.IP.560.1120.90	Ø 5.600	-	Ø 8.00	Ø 8.00	11.20	-	80.00
TD.IP.570.1140.90	Ø 5.700	-	Ø 8.00	Ø 8.00	11.40	-	80.00
TD.IP.580.1160.90	Ø 5.800	-	Ø 8.00	Ø 8.00	11.60	-	80.00
TD.IP.590.1180.90	Ø 5.900	-	Ø 8.00	Ø 8.00	11.80	-	80.00
TD.IP.600.1200.90	Ø 6.000	-	Ø 8.00	Ø 8.00	12.00	-	80.00
TD.IP.620.12400.90	Ø 6.200	-	Ø 8.00	Ø 8.00	12.40	-	80.00
TD.IP.6350.1270.90	Ø 6.350	1/4"	Ø 8.00	Ø 8.00	12.70	-	80.00
TD.IP.660.1320.90	Ø 6.600	-	Ø 8.00	Ø 8.00	13.20	-	80.00
TD.IP.670.1320.90	Ø 6.700	-	Ø 8.00	Ø 8.00	13.40	-	80.00
TD.IP.680.1360.90	Ø 6.800	-	Ø 8.00	Ø 8.00	13.60	-	80.00
TD.IP.690.1360.90	Ø 6.900	-	Ø 8.00	Ø 8.00	13.80	-	80.00
TD.IP.700.1400.90	Ø 7.000	-	Ø 8.00	Ø 8.00	14.00	-	80.00
TD.IP.720.1400.90	Ø 7.200	-	Ø 8.00	Ø 8.00	14.40	-	80.00

Available from stock

Pilot drill 2xD 130°+4°/+2°



3.5xD Threaded core drill Step drill - Pilot drill

140°±4°
high-performance point
geometry, self-centering

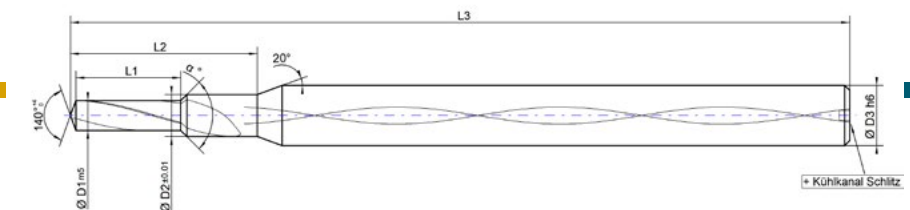
The high-performance α-INOX
cronos coating guarantees a
long service life and prevents
the cutting edges from sticking.

3.5xD from Ø 0.75mm with 90°
or 60° countersink

Ø 0.75mm up to
Ø 7.2mm

The reinforced shank in h5 quality
combined with an optimized working
length makes the tool robust and
vibration-free.

High feed and cutting speeds are
made possible by the use of
ultra-fine-grained solid carbide with
high fracture toughness.



☐ Order

Order number: _____

☐ Inquiry

Dimensions:

D₁: _____ GL: _____ α: _____
D₂: _____ L₁: _____
D₃: _____ L₂: _____

Coating:

☐ Coated*
☐ Uncoated

Cooling channels:

☐ No ☐ Yes

Cutting direction:

☐ Right ☐ Left

Material to be machined:

Shank shape:

Quantity:

Date, signature & company stamp:

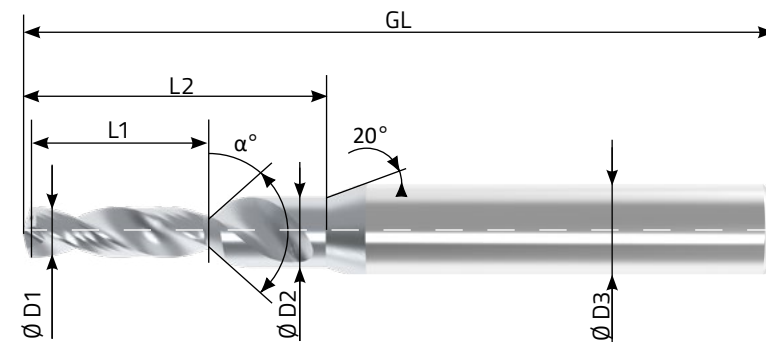
Contact person:

* Without further information, the most suitable coating will be used.



3.5xD Threaded core drill Step drill - Pilot drill

TARGETDRILL
TD.TC.100.IK.XX ← XX= α 60 or 90°
D1 m6 Internal cooling



■ α-INOXcronos coated

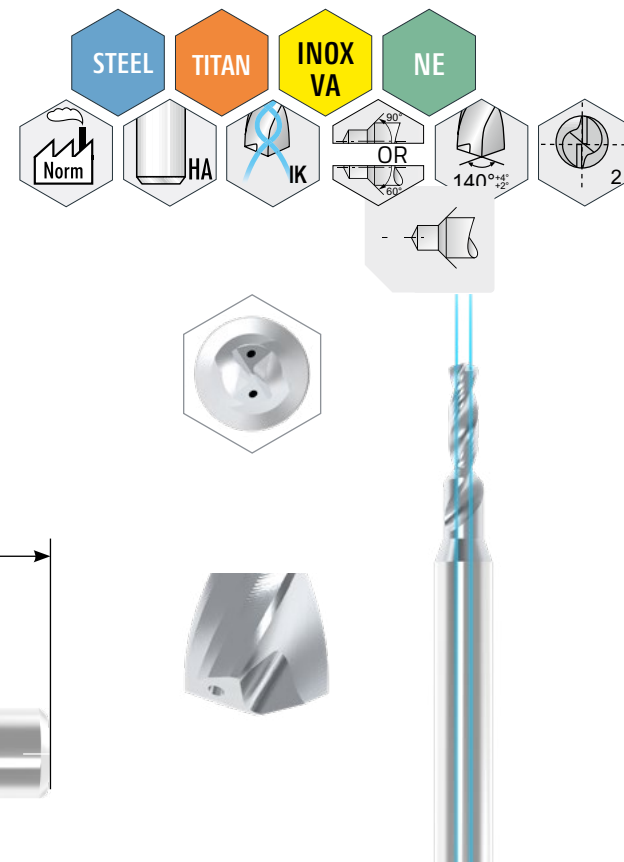


Online shop



5 PRO's of the TARGETDRILL:

- Combination tool: centering + drilling + chamfering
- High-performance 4-margin drill
- 3.5xD core drill for all thread types up to M8
- Pilot drill (tolerance Øm6) for deep hole drilling
- Shorter process times and high process reliability



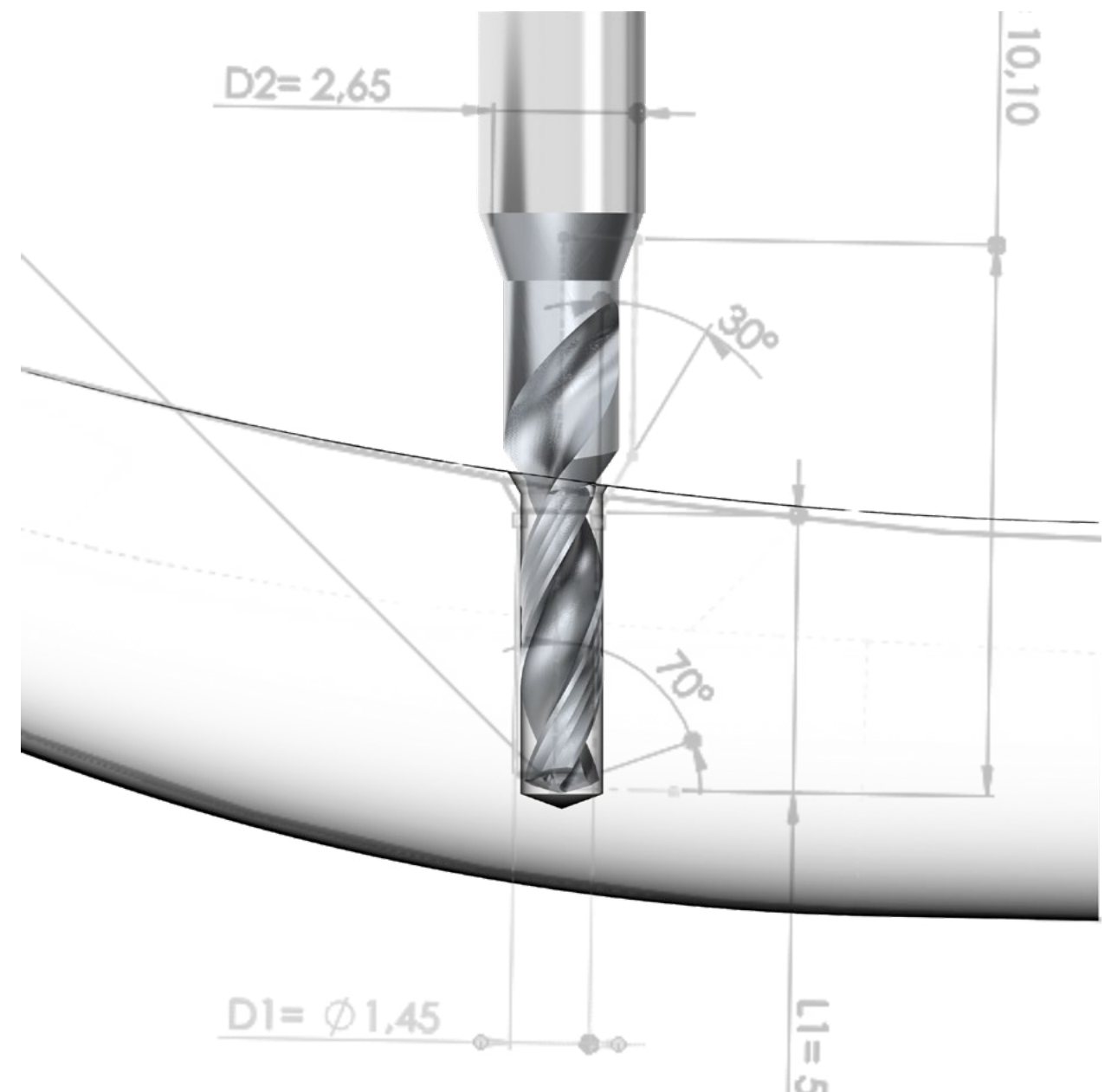
Article number	D1 m6 (mm)	D1 m6 (inch)	For thread taps	For thread formers	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	α (XX°)	GL (mm)
TD.TC.075.IK.XX	Ø 0.750	-	M1x0.25	-	1.950	3	2.625	8.00	60°/90°	50
TD.TC.080.IK.XX	Ø 0.800	-	-	-	2.000	3	2.800	8.00	60°/90°	50
TD.TC.085.IK.XX	Ø 0.850	-	M1.1x0.25	-	2.050	3	2.975	8.00	60°/90°	50
TD.TC.090.IK.XX	Ø 0.900	-	-	M1	2.100	3	2.700	8.00	60°/90°	50
TD.TC.095.IK.XX	Ø 0.950	-	M1.2x0.25	-	2.150	3	3.325	8.00	60°/90°	50
TD.TC.100.IK.XX	Ø 1.000	-	M1.2x0.2	M1.1	2.200	3	3.500	8.20	60°/90°	50
TD.TC.105.IK.XX	Ø 1.050	-	-	-	2.250	3	3.675	8.30	60°/90°	50
TD.TC.110.IK.XX	Ø 1.100	-	M1.4	M1.2	2.300	3	3.850	8.50	60°/90°	50
TD.TC.115.IK.XX	Ø 1.150	-	-	-	2.350	3	4.025	8.60	60°/90°	50
TD.TC.120.IK.XX	Ø 1.200	-	M1.4x0.2	-	2.400	3	4.200	8.70	60°/90°	50
TD.TC.125.IK.XX	Ø 1.250	-	M1.6/#0-80	-	2.450	4	4.375	9.70	60°/90°	60
TD.TC.130.IK.XX	Ø 1.300	-	UNF-Nr.0 / M1.6x0.35	-	2.500	4	4.550	9.80	60°/90°	60
TD.TC.135.IK.XX	Ø 1.350	-	M1.7	-	2.550	4	4.725	9.90	60°/90°	60
TD.TC.140.IK.XX	Ø 1.400	-	M1.6x0.2	#0-80	2.600	4	4.900	10.00	60°/90°	60
TD.TC.145.IK.XX	Ø 1.450	-	M1.8	-	2.650	4	5.075	10.10	60°/90°	60
TD.TC.150.IK.XX	Ø 1.500	-	UNC-Nr.1	M1.6	2.700	4	5.250	11.10	60°/90°	60
TD.TC.155.IK.XX	Ø 1.550	-	#1-64	-	2.750	4	5.425	11.20	60°/90°	60
TD.TC.1587.IK.XX	Ø 1.587	1/16"	-	-	2.787	4	5.555	11.30	60°/90°	60
TD.TC.160.IK.XX	Ø 1.600	-	UNF-Nr.1/M2/M1.8x0.2	-	2.800	4	5.600	11.30	60°/90°	60
TD.TC.165.IK.XX	Ø 1.650	-	-	-	2.850	4	5.775	11.40	60°/90°	60
TD.TC.170.IK.XX	Ø 1.700	-	-	#1-64/ #1-72	2.900	4	5.950	11.60	60°/90°	60
TD.TC.175.IK.XX	Ø 1.750	-	M2.2/M2x0.25	-	2.950	4	6.125	11.70	60°/90°	60
TD.TC.180.IK.XX	Ø 1.800	-	UNC-Nr.2	-	3.000	4	6.300	12.60	60°/90°	60
TD.TC.185.IK.XX	Ø 1.850	-	#2-56/#2-64	M2	3.050	4	6.475	12.80	60°/90°	60
TD.TC.190.IK.XX	Ø 1.900	-	UNF-Nr.2/M2.3	-	3.100	4	6.650	12.90	60°/90°	60
TD.TC.195.IK.XX	Ø 1.950	-	M2.2x0.25/M2.3x0.35	-	3.150	4	6.825	13.00	60°/90°	60
TD.TC.200.IK.XX	Ø 2.000	-	-	#2-56	3.200	4	7.000	13.10	60°/90°	60
TD.TC.203.IK.XX	Ø 2.030	-	-	M2.2	3.230	4	7.105	13.20	60°/90°	60
TD.TC.205.IK.XX	Ø 2.050	-	M2.5/M2.3x0.25	-	3.250	4	7.175	13.20	60°/90°	60
TD.TC.210.IK.XX	Ø 2.100	-	MJ2.5x0.45/#3-48/UNF-Nr.3	-	3.300	4	7.350	13.30	60°/90°	60
TD.TC.215.IK.XX	Ø 2.150	-	M2.6/M2.5x0.35/#3-56	M2.3	3.350	4	7.525	13.40	60°/90°	60
TD.TC.220.IK.XX	Ø 2.200	-	-	-	3.400	4	7.700	15.30	60°/90°	60
TD.TC.225.IK.XX	Ø 2.250	-	M2.6x0.35	-	3.450	6	7.875	15.40	60°/90°	70
TD.TC.230.IK.XX	Ø 2.300	-	UNC-Nr.4	#3-48	3.500	6	8.050	15.50	60°/90°	70
TD.TC.233.IK.XX	Ø 2.330	-	-	M2.5	3.530	6	8.155	15.60	60°/90°	70
TD.TC.235.IK.XX	Ø 2.350	-	#4-40	-	3.550	6	8.225	15.60	60°/90°	70
TD.TC.2381.IK.XX	Ø 2.381	3/32"	-	-	3.581	6	8.334	15.70	60°/90°	70
TD.TC.240.IK.XX	Ø 2.400	-	UNF-Nr.4/#4-48	-	3.600	6	8.400	15.70	60°/90°	70
TD.TC.245.IK.XX	Ø 2.450	-	-	-	3.650	6	8.575	15.90	60°/90°	70
TD.TC.250.IK.XX	Ø 2.500	-	M3	-	3.700	6	8.750	16.00	60°/90°	70
TD.TC.255.IK.XX	Ø 2.550	-	-	#4-40	3.750	6	8.925	16.10	60°/90°	70
TD.TC.260.IK.XX	Ø 2.600	-	UNF/UNC-Nr.5/MJ3x0.5	-	3.800	6	9.100	16.20	60°/90°	70
TD.TC.265.IK.XX	Ø 2.650	-	M3x0.35/#5-40	-	3.850	6	9.275	17.20	60°/90°	70
TD.TC.270.IK.XX	Ø 2.700	-	#5-44	-	3.900	6	9.450	17.30	60°/90°	70
TD.TC.275.IK.XX	Ø 2.750	-	M3x0.25	-	3.950	6	9.625	17.40	60°/90°	70
TD.TC.280.IK.XX	Ø 2.800	-	UNC-Nr.6	M3	4.000	6	9.800	17.50	60°/90°	70
TD.TC.285.IK.XX	Ø 2.850	-	#6-32	-	4.050	6	9.975	17.60	60°/90°	70
TD.TC.290.IK.XX	Ø 2.900	-	UNF-Nr.6/M3.5	#5-40	4.100	6	10.150	17.70	60°/90°	70
TD.TC.2955.IK.XX	Ø 2.950	-	-	-	4.150	6	10.325	17.90	60°/90°	70
TD.TC.300.IK.XX	Ø 3.000	-	-	-	4.200	6	10.500	18.70	60°/90°	70

Article number	D1 m6 (mm)	D1 m6 (inch)	For thread taps	For thread formers	D2 (mm)	D3 h6 (mm)	L1 (mm)	L2 (mm)	α (xx°)	GL (mm)
TD.TC.310.IK.XX	Ø 3.100	-	-	-	4.300	6	10.850	18.90	60° / 90°	70
TD.TC.315.IK.XX	Ø 3.150	-	M3.5x0.35	-	4.350	6	11.025	19.20	60° / 90°	70
TD.TC.3175.IK.XX	Ø 3.175	1/8"	-	-	4.375	6	11.113	19.20	60° / 90°	70
TD.TC.320.IK.XX	Ø 3.200	-	-	-	4.400	6	11.200	19.20	60° / 90°	70
TD.TC.325.IK.XX	Ø 3.250	-	-	M3.5	4.450	6	11.375	19.40	60° / 90°	70
TD.TC.330.IK.XX	Ø 3.300	-	M4	M3.5x0.5	4.500	6	11.550	19.40	60° / 90°	70
TD.TC.340.IK.XX	Ø 3.400	-	UNC-Nr.8	-	4.600	6	11.900	19.60	60° / 90°	70
TD.TC.350.IK.XX	Ø 3.500	-	UNF-Nr.8/M4x0.5	-	4.700	6	12.250	19.80	60° / 90°	70
TD.TC.360.IK.XX	Ø 3.600	-	-	-	4.800	6	12.600	20.10	60° / 90°	70
TD.TC.365.IK.XX	Ø 3.650	-	M4x0.35	-	4.850	6	12.775	20.30	60° / 90°	70
TD.TC.370.IK.XX	Ø 3.700	-	M4.5	M4	4.900	6	12.950	20.30	60° / 90°	70
TD.TC.380.IK.XX	Ø 3.800	-	UNC-Nr.10	-	5.000	6	13.300	20.50	60° / 90°	70
TD.TC.390.IK.XX	Ø 3.900	-	-	-	5.100	6	13.650	20.70	60° / 90°	70
TD.TC.3968.IK.XX	Ø 3.968	5/32"	-	-	5.168	6	13.888	21.00	60° / 90°	70
TD.TC.400.IK.XX	Ø 4.000	-	-	-	5.200	6	14.000	21.00	60° / 90°	70
TD.TC.410.IK.XX	Ø 4.100	-	UNF-Nr.10	-	5.300	6	14.350	22.80	60° / 90°	70
TD.TC.420.IK.XX	Ø 4.200	-	M5/M5x0.75	M4.5	5.400	6	14.700	22.50	60° / 90°	70
TD.TC.430.IK.XX	Ø 4.300	-	-	-	5.500	8	15.050	23.10	60° / 90°	85
TD.TC.440.IK.XX	Ø 4.400	-	-	-	5.600	8	15.400	23.20	60° / 90°	85
TD.TC.450.IK.XX	Ø 4.500	-	UNC-Nr.12/M5x0.5	-	5.700	8	15.750	28.50	60° / 90°	85
TD.TC.460.IK.XX	Ø 4.600	-	UNF-Nr.12	-	5.800	8	16.100	28.60	60° / 90°	85
TD.TC.465.IK.XX	Ø 4.650	-	-	M5	5.850	8	16.275	28.80	60° / 90°	85
TD.TC.470.IK.XX	Ø 4.700	-	UNEF-Nr.12	-	5.900	8	16.450	28.80	60° / 90°	85
TD.TC.4762.IK.XX	Ø 4.762	3/16"	-	-	5.962	8	16.667	28.90	60° / 90°	85
TD.TC.480.IK.XX	Ø 4.800	-	-	-	6.000	8	16.800	28.90	60° / 90°	85
TD.TC.490.IK.XX	Ø 4.900	-	-	-	6.100	8	17.150	29.10	60° / 90°	85
TD.TC.500.IK.XX	Ø 5.000	-	M6	#12-24	6.200	8	17.500	29.20	60° / 90°	85
TD.TC.510.IK.XX	Ø 5.100	-	1/4"	-	6.300	8	17.850	29.400	60° / 90°	85
TD.TC.520.IK.XX	Ø 5.200	-	M6x0.75	-	6.400	8	18.200	30.00	60° / 90°	85
TD.TC.530.IK.XX	Ø 5.300	-	-	-	6.500	8	18.550	30.50	60° / 90°	85
TD.TC.540.IK.XX	Ø 5.400	-	-	-	6.600	8	18.900	31.00	60° / 90°	85
TD.TC.550.IK.XX	Ø 5.500	-	M6x0.5/UNF-1/4"	-	6.700	8	19.250	31.60	60° / 90°	85
TD.TC.5556.IK.XX	Ø 5.556	7/32"	-	-	6.756	8	19.446	31.80	60° / 90°	85
TD.TC.560.IK.XX	Ø 5.600	-	UNEF-1/4"/MJ6x0.5	M6	6.800	8	19.600	32.00	60° / 90°	85
TD.TC.570.IK.XX	Ø 5.700	-	-	-	6.900	8	19.950	32.60	60° / 90°	85
TD.TC.580.IK.XX	Ø 5.800	-	-	-	7.000	8	20.300	33.10	60° / 90°	85
TD.TC.590.IK.XX	Ø 5.900	-	-	-	7.100	8	20.650	33.70	60° / 90°	85
TD.TC.600.IK.XX	Ø 6.000	-	M7	-	7.200	8	21.000	34.20	60° / 90°	85
TD.TC.620.IK.XX	Ø 6.200	-	M7x0.75	-	7.400	10	21.700	35.20	60° / 90°	90
TD.TC.635.IK.XX	Ø 6.350	1/4"	-	-	7.550	10	22.225	36.00	60° / 90°	90
TD.TC.660.IK.XX	Ø 6.600	-	5/16"-18	M7	7.800	10	23.100	37.40	60° / 90°	90
TD.TC.670.IK.XX	Ø 6.700	-	1/16"	-	7.900	10	23.450	37.90	60° / 90°	90
TD.TC.680.IK.XX	Ø 6.800	-	M8/G1/16	M7x0.5	8.000	10	23.800	38.40	60° / 90°	90
TD.TC.690.IK.XX	Ø 6.900	-	UNF-5/16"	-	8.100	10	24.150	38.90	60° / 90°	90
TD.TC.700.IK.XX	Ø 7.000	-	M8x1	-	8.200	10	24.500	39.50	60° / 90°	90
TD.TC.720.IK.XX	Ø 7.200	-	UNEF-5/16"	-	8.400	10	24.500	40.50	60° / 90°	90

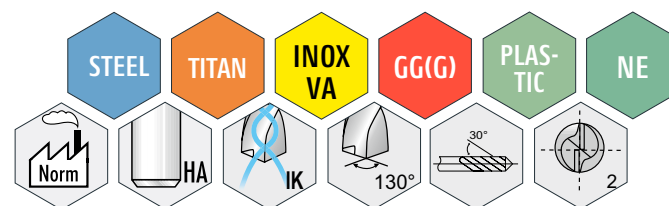
The suffix of the article number is replaced by the desired chamfer angle: .90 for 90° or .60 for 60° step angle

Exemplary order:
For the thread former M1 &
Chamfer angle 90° core hole step drill
Ø0.9 = TD.TC.090.IK.90

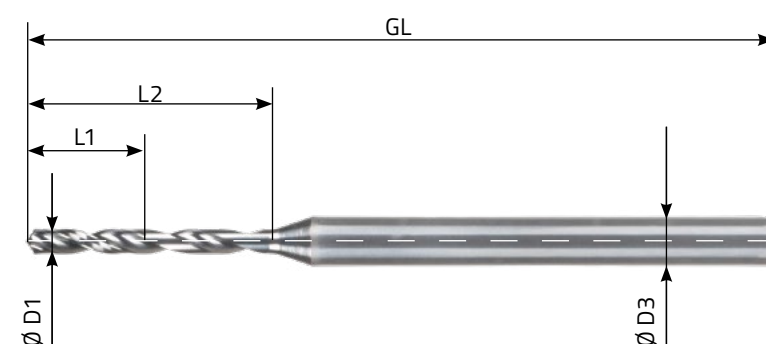
Exemplary order:
For the thread mill M1.8 &
Chamfer angle 60°
Ø1.45 = TD.TC.145.IK.60



INOX-6xD cooled



TARGETDRILL
Internal cooling
TD.100.IK.6D ← 6xD drilling depth
D1: Ø 1.00 mm



■ α-INOXcronos coated



5 PRO's of the TARGETDRILL:

- Self-centering
- Perfect alignment accuracy - 6xD with 4 margins
- High cutting and feed speeds possible
- High performance & positioning accuracy
- A plus for your process reliability and quality



Online shop



Article number	D1 k5 (mm)	D1 k5 (inch)	For thread taps	For thread formers	D3 h6 (mm)	L1 [4 margins] (mm)	L2 [Spiral slot] (mm)	GL (mm)
TD.075.IK.6D	Ø 0.750	-	M1x0.25	-	Ø 3.00	3.30	6.75	50.00
TD.080.IK.6D	Ø 0.800	-	-	-	Ø 3.00	3.52	7.20	50.00
TD.085.IK.6D	Ø 0.850	-	M1.1x0.25	-	Ø 3.00	3.74	7.65	50.00
TD.090.IK.6D	Ø 0.900	-	-	M1	Ø 3.00	3.96	8.10	50.00
TD.095.IK.6D	Ø 0.950	-	M1.2x0.25	-	Ø 3.00	4.18	8.55	50.00
TD.100.IK.6D	Ø 1.000	-	M1.2x0.2	M1.1	Ø 3.00	4.40	9.30	50.00
TD.105.IK.6D	Ø 1.050	-	-	-	Ø 3.00	4.65	9.80	50.00
TD.110.IK.6D	Ø 1.100	-	M1.4	M1.2	Ø 3.00	4.85	10.25	50.00
TD.115.IK.6D	Ø 1.150	-	-	-	Ø 3.00	5.10	10.70	50.00
TD.120.IK.6D	Ø 1.200	-	M1.4x0.2	-	Ø 3.00	5.30	11.20	50.00
TD.125.IK.6D	Ø 1.250	-	M1.6/#0-80	-	Ø 3.00	5.50	11.65	50.00
TD.130.IK.6D	Ø 1.300	-	UNF-Nr.0 / M1.6x0.35	-	Ø 3.00	5.75	12.10	52.00
TD.135.IK.6D	Ø 1.350	-	M1.7	-	Ø 3.00	5.95	12.60	52.00
TD.140.IK.6D	Ø 1.400	-	M1.6x0.2	#0-80	Ø 3.00	6.20	13.05	52.00
TD.145.IK.6D	Ø 1.450	-	M1.8	-	Ø 3.00	6.40	13.50	52.00
TD.150.IK.6D	Ø 1.500	-	UNC-Nr.1	M1.6	Ø 3.00	6.60	13.95	52.00
TD.155.IK.6D	Ø 1.550	-	#1-64	-	Ø 3.00	6.85	14.45	55.00
TD.158.IK.6D	Ø 1.588	1/16"	-	-	Ø 3.00	7.00	14.30	55.00
TD.160.IK.6D	Ø 1.600	-	UNF-Nr.1/M2 / M1.8x0.2	-	Ø 3.00	7.05	14.90	55.00
TD.165.IK.6D	Ø 1.650	-	-	-	Ø 3.00	7.30	15.35	55.00
TD.170.IK.6D	Ø 1.700	-	-	#1-64 / #1-72	Ø 3.00	7.50	15.85	55.00
TD.175.IK.6D	Ø 1.750	-	M2.2/M2x0.25	-	Ø 3.00	7.70	16.30	55.00
TD.180.IK.6D	Ø 1.800	-	UNC-Nr.2	-	Ø 3.00	7.95	16.75	57.00
TD.185.IK.6D	Ø 1.850	-	#2-56/#2-64	M2	Ø 3.00	8.15	17.25	57.00
TD.190.IK.6D	Ø 1.900	-	UNF-Nr.2/M2.3	-	Ø 3.00	8.40	17.70	57.00
TD.195.IK.6D	Ø 1.950	-	M2.2x0.25 / M2.3x0.35	-	Ø 3.00	8.60	18.15	57.00
TD.200.IK.6D	Ø 2.000	-	-	#2-56	Ø 4.00	8.80	18.60	57.00
TD.203.IK.6D	Ø 2.030	-	-	M2.2	Ø 4.00	9.05	19.10	60.00
TD.205.IK.6D	Ø 2.050	-	M2.5/M2.3x0.25	-	Ø 4.00	9.05	19.10	60.00
TD.210.IK.6D	Ø 2.100	-	MJ2.5x0.45/#3-48 / UNF-Nr.3	-	Ø 4.00	9.25	19.55	60.00
TD.215.IK.6D	Ø 2.150	-	M2.6/M2.5x0.35 / #3-56	M2.3	Ø 4.00	9.50	20.00	60.00
TD.220.IK.6D	Ø 2.200	-	-	-	Ø 4.00	9.70	20.50	60.00
TD.225.IK.6D	Ø 2.250	-	M2.6x0.35	-	Ø 4.00	9.90	20.95	60.00
TD.230.IK.6D	Ø 2.300	-	UNC-Nr.4	#3-48	Ø 4.00	10.15	21.40	62.00
TD.233.IK.6D	Ø 2.330	-	-	M2.5	Ø 4.00	10.35	21.90	62.00
TD.235.IK.6D	Ø 2.350	-	#4-40	-	Ø 4.00	10.35	21.90	62.00
TD.238.IK.6D	Ø 2.381	3/32"	-	-	Ø 4.00	10.5	21.40	62.00
TD.240.IK.6D	Ø 2.400	-	UNF-Nr.4/#4-48	-	Ø 4.00	10.60	22.35	62.00
TD.245.IK.6D	Ø 2.450	-	-	-	Ø 4.00	10.80	22.80	62.00
TD.250.IK.6D	Ø 2.500	-	M3	-	Ø 4.00	11.00	23.25	62.00
TD.255.IK.6D	Ø 2.550	-	-	#4-40	Ø 4.00	11.25	23.75	65.00
TD.260.IK.6D	Ø 2.600	-	UNF/UNC-Nr.5 / MJ3x0.5	-	Ø 4.00	11.45	24.20	65.00
TD.265.IK.6D	Ø 2.650	-	M3x0.35/#5-40	-	Ø 4.00	11.70	24.65	65.00
TD.270.IK.6D	Ø 2.700	-	#5-44	-	Ø 4.00	11.90	25.15	65.00
TD.275.IK.6D	Ø 2.750	-	M3x0.25	-	Ø 4.00	12.10	25.60	65.00
TD.280.IK.6D	Ø 2.800	-	UNC-Nr.6	M3	Ø 4.00	12.35	26.05	67.00
TD.285.IK.6D	Ø 2.850	-	#6-32	-	Ø 4.00	12.55	26.55	67.00
TD.290.IK.6D	Ø 2.900	-	UNF-Nr.6/M3.5	#5-40	Ø 4.00	12.80	27.00	67.00
TD.295.IK.6D	Ø 2.950	-	-	-	Ø 4.00	13.00	27.45	67.00
TD.300.IK.6D	Ø 3.000	-	-	-	Ø 6.00	13.20	27.90	70.00

Article number	D1 k5 (mm)	D1 k5 (inch)	For thread taps	For thread formers	D3 h6 (mm)	L1 [4 margins] (mm)	L2 [Spiral slot] (mm)	GL (mm)
TD.305.IK.6D	Ø 3.050	-	-	-	Ø 6.00	13.45	28.40	70.00
TD.310.IK.6D	Ø 3.100	-	-	-	Ø 6.00	13.65	28.85	70.00
TD.315.IK.6D	Ø 3.150	-	M3.5x0.35	-	Ø 6.00	13.90	29.30	70.00
TD.3175.IK.6D	Ø 3.175	1/8"	-	-	Ø 6.00	14.00	28.60	70.00
TD.320.IK.6D	Ø 3.200	-	-	-	Ø 6.00	14.10	29.80	70.00
TD.325.IK.6D	Ø 3.250	-	-	M3.5	Ø 6.00	14.30	30.25	70.00
TD.330.IK.6D	Ø 3.300	-	M4	M3.5x0.5	Ø 6.00	14.55	30.70	72.00
TD.335.IK.6D	Ø 3.350	-	-	-	Ø 6.00	14.75	31.20	72.00
TD.340.IK.6D	Ø 3.400	-	UNC-Nr.8	-	Ø 6.00	15.00	31.65	72.00
TD.345.IK.6D	Ø 3.450	-	-	-	Ø 6.00	15.20	32.10	72.00
TD.350.IK.6D	Ø 3.500	-	UNF-Nr.8/M4x0.5	-	Ø 6.00	15.40	32.55	72.00
TD.355.IK.6D	Ø 3.550	-	-	-	Ø 6.00	15.65	33.05	75.00
TD.360.IK.6D	Ø 3.600	-	-	-	Ø 6.00	15.85	33.50	75.00
TD.365.IK.6D	Ø 3.650	-	M4x0.35	-	Ø 6.00	16.10	33.95	75.00
TD.370.IK.6D	Ø 3.700	-	M4.5	M4	Ø 6.00	16.30	34.45	75.00
TD.375.IK.6D	Ø 3.750	-	-	-	Ø 6.00	16.50	34.90	75.00
TD.380.IK.6D	Ø 3.800	-	UNC-Nr.10	-	Ø 6.00	16.75	35.35	77.00
TD.385.IK.6D	Ø 3.850	-	-	-	Ø 6.00	16.95	35.85	77.00
TD.390.IK.6D	Ø 3.900	-	-	-	Ø 6.00	17.20	36.30	77.00
TD.395.IK.6D	Ø 3.950	-	-	-	Ø 6.00	17.40	36.75	77.00
TD.3969.IK.6D	Ø3.969	5/32"	-	-	Ø 6.00	17.50	35.70	80.00
TD.400.IK.6D	Ø 4.000	-	-	-	Ø 6.00	17.60	37.20	80.00
TD.410.IK.6D	Ø 4.100	-	UNF-Nr.10	-	Ø 6.00	18.05	38.15	80.00
TD.420.IK.6D	Ø 4.200	-	M5/M5x0.75	M4.5	Ø 6.00	18.50	39.10	80.00
TD.430.IK.6D	Ø 4.300	-	-	-	Ø 6.00	18.95	40.00	80.00
TD.440.IK.6D	Ø 4.400	-	-	-	Ø 6.00	19.40	40.95	80.00
TD.450.IK.6D	Ø 4.500	-	UNC-Nr.12/M5x0.5	-	Ø 6.00	19.80	41.85	80.00
TD.460.IK.6D	Ø 4.600	-	UNF-Nr.12	-	Ø 6.00	20.25	42.80	85.00
TD.465.IK.6D	Ø 4.650	-	-	M5	Ø 6.00	20.46	41.85	85.00
TD.470.IK.6D	Ø 4.700	-	UNEF-Nr.12	-	Ø 6.00	20.70	43.75	85.00
TD.4763.IK.6D	Ø 4.763	3/16"	-	-	Ø 6.00	21.00	42.90	85.00
TD.480.IK.6D	Ø 4.800	-	-	-	Ø 6.00	21.15	44.65	85.00
TD.490.IK.6D	Ø 4.900	-	-	-	Ø 6.00	21.60	45.60	85.00
TD.500.IK.6D	Ø 5.000	-	M6	#12-24	Ø 6.00	22.00	46.50	85.00
TD.510.IK.6D	Ø 5.100	-	1/4"	-	Ø 6.00	22.45	47.45	90.00
TD.520.IK.6D	Ø 5.200	-	M6x0.75	-	Ø 6.00	22.90	48.40	90.00
TD.530.IK.6D	Ø 5.300	-	-	-	Ø 6.00	23.35	49.30	90.00
TD.540.IK.6D	Ø 5.400	-	-	-	Ø 6.00	23.80	50.25	90.00
TD.550.IK.6D	Ø 5.500	-	M6x0.5/UNF-1/4"	-	Ø 6.00	24.20	51.15	90.00
TD.5556.IK.6D	Ø 5.556	7/32"	-	-	Ø 6.00	24.50	50.00	95.00
TD.560.IK.6D	Ø 5.600	-	UNEF-1/4"/MJ6x0.5	M6	Ø 6.00	24.65	52.10	95.00
TD.570.IK.6D	Ø 5.700	-	-	-	Ø 6.00	25.10	53.05	95.00
TD.580.IK.6D	Ø 5.800	-	-	-	Ø 6.00	25.55	53.95	95.00
TD.590.IK.6D	Ø 5.900	-	-	-	Ø 6.00	26.00	54.90	95.00
TD.600.IK.6D	Ø 6.000	-	M7	-	Ø 6.00	26.40	55.80	95.00
TD.620.IK.6D	Ø 6.200	-	M7x0.75	-	Ø 6.00	28.00	57.20	95.00
TD.6350.IK.6D	Ø6.350	1/4"	-	-	Ø 6.00	28.00	57.20	95.00
TD.660.IK.6D	Ø6.600	-	5/16"-18	M7	Ø 6.00	28.00	57.20	95.00
TD.670.IK.6D	Ø6.700	-	1/16"	-	Ø 6.00	28.00	57.20	95.00
TD.680.IK.6D	Ø6.800	-	M8/G1/16	M7x0.5	Ø 6.00	28.00	57.20	95.00
TD.690.IK.6D	Ø6.900	-	UNF-5/16"	-	Ø 6.00	28.00	57.20	95.00
TD.700.IK.6D	Ø7.000	-	M8x1	-	Ø 6.00	28.00	57.20	95.00
TD.720.IK.6D	Ø7.200	-	UNEF-5/16"	-	Ø 6.00	28.00	57.20	95.00

6xD

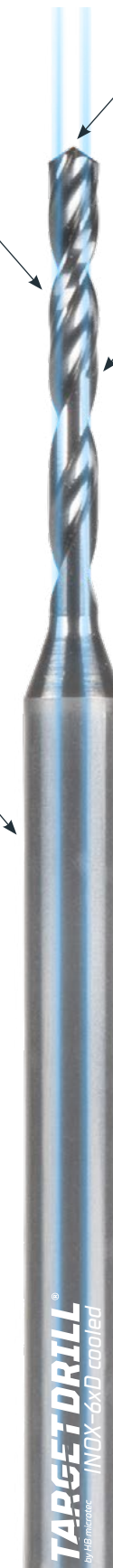
4 margins ensure perfect guidance of the twist drill.

130°-INOX high-performance point geometry drill Ø in k5 tolerance with internal cooling (IK).

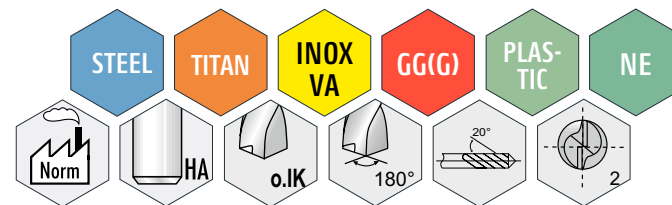
The α-INOXcronos coating ensures long tool life and prevents cutting edge build-up.

Fine-grain solid carbide (high cutting and feed rates are possible)

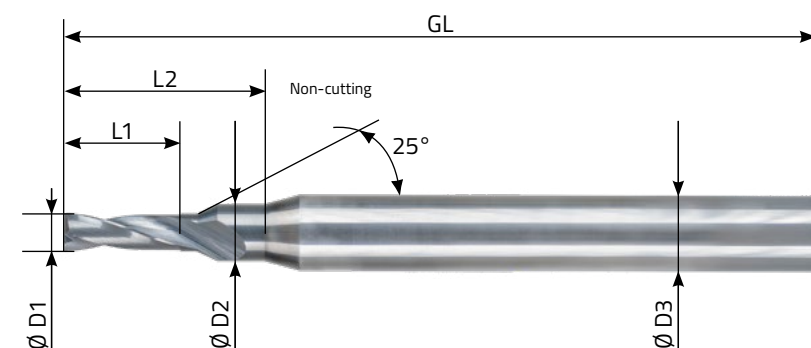
Shank according to DIN6535 HA h6 shank Ø tolerance.



INOX Flatdrill 180° 3.5xD



TARGETDRILL INOX 180°
TD.I180.080.2800 ← L1: 2.80 mm
D1: Ø 0.80 mm



■ α-INOXcronos coated



5 PRO's of the TARGETDRILL:

- High positioning accuracy
- Excellent price-performance ratio
- Can be used as short drill or pilot drill
- Drill on inclined, round or curved surfaces
- Spot facing is no longer necessary



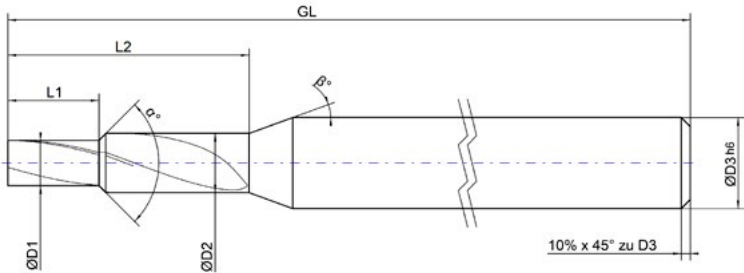
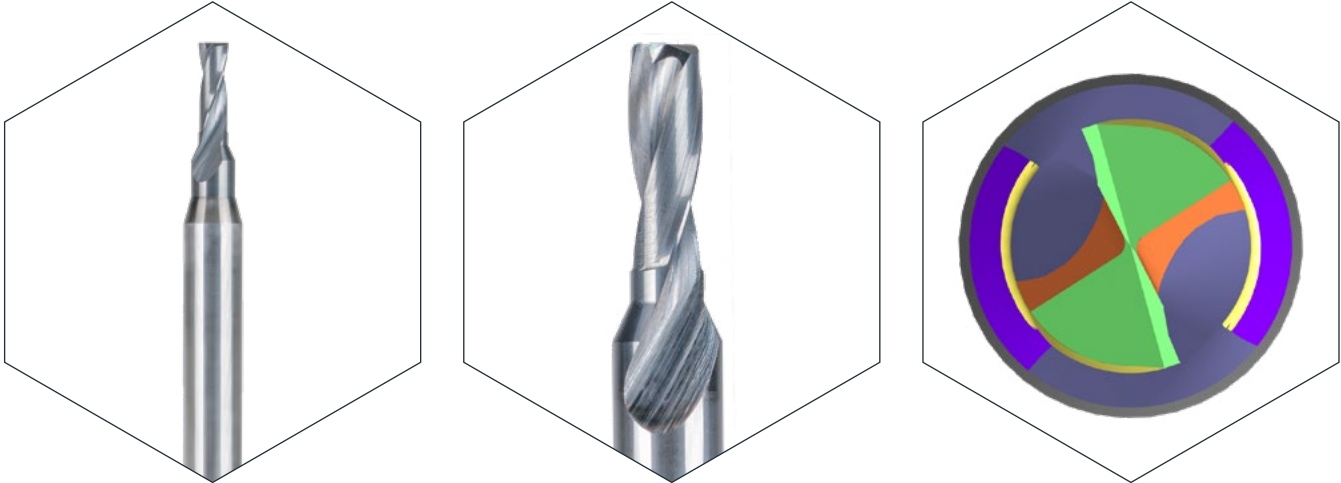
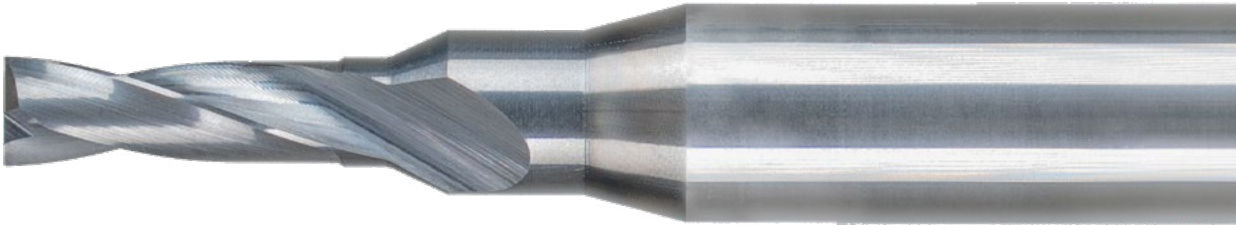
Online shop



Article number	D1 m5 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.I180.080.2800	Ø 0.80	Ø 1.70	Ø 4.00	2.80	6.00	40.00
TD.I180.085.3000	Ø 0.85	Ø 1.70	Ø 4.00	3.00	6.00	40.00
TD.I180.090.3200	Ø 0.90	Ø 1.80	Ø 4.00	3.20	6.30	40.00
TD.I180.095.3300	Ø 0.95	Ø 1.90	Ø 4.00	3.30	6.70	40.00
TD.I180.100.3500	Ø 1.00	Ø 2.00	Ø 4.00	3.50	7.00	40.00
TD.I180.105.3700	Ø 1.05	Ø 2.10	Ø 4.00	3.70	7.40	40.00
TD.I180.110.3900	Ø 1.10	Ø 2.20	Ø 4.00	3.90	7.70	40.00
TD.I180.115.4000	Ø 1.15	Ø 2.30	Ø 4.00	4.00	8.10	40.00
TD.I180.120.4200	Ø 1.20	Ø 2.40	Ø 4.00	4.20	8.40	40.00
TD.I180.125.4400	Ø 1.25	Ø 2.50	Ø 4.00	4.40	8.80	40.00
TD.I180.130.4600	Ø 1.30	Ø 2.60	Ø 4.00	4.60	9.10	40.00
TD.I180.135.4700	Ø 1.35	Ø 2.70	Ø 4.00	4.70	9.50	40.00
TD.I180.140.4900	Ø 1.40	Ø 2.80	Ø 4.00	4.90	9.80	40.00
TD.I180.145.5100	Ø 1.45	Ø 2.90	Ø 4.00	5.10	10.20	40.00
TD.I180.150.5300	Ø 1.50	Ø 3.00	Ø 4.00	5.30	10.50	40.00
TD.I180.155.5400	Ø 1.55	Ø 3.05	Ø 4.00	5.40	10.70	40.00
TD.I180.160.5600	Ø 1.60	Ø 3.10	Ø 4.00	5.60	10.90	40.00
TD.I180.165.5800	Ø 1.65	Ø 3.15	Ø 4.00	5.80	11.00	40.00
TD.I180.170.6000	Ø 1.70	Ø 3.20	Ø 4.00	6.00	11.20	40.00
TD.I180.175.6100	Ø 1.75	Ø 3.25	Ø 4.00	6.10	11.40	40.00
TD.I180.180.6300	Ø 1.80	Ø 3.30	Ø 4.00	6.30	11.60	40.00
TD.I180.185.6500	Ø 1.85	Ø 3.35	Ø 4.00	6.50	11.70	40.00
TD.I180.190.6700	Ø 1.90	Ø 3.40	Ø 4.00	6.70	11.90	40.00
TD.I180.195.6800	Ø 1.95	Ø 3.45	Ø 4.00	6.80	12.10	40.00
TD.I180.200.7000	Ø 2.00	Ø 3.50	Ø 6.00	7.00	12.30	50.00
TD.I180.205.7200	Ø 2.05	Ø 3.55	Ø 6.00	7.20	12.40	50.00
TD.I180.210.7400	Ø 2.10	Ø 3.60	Ø 6.00	7.40	12.60	50.00
TD.I180.215.7500	Ø 2.15	Ø 3.65	Ø 6.00	7.50	12.80	50.00
TD.I180.220.7700	Ø 2.20	Ø 3.70	Ø 6.00	7.70	13.00	50.00
TD.I180.225.7900	Ø 2.25	Ø 3.75	Ø 6.00	7.90	13.10	50.00
TD.I180.230.8100	Ø 2.30	Ø 3.80	Ø 6.00	8.10	13.30	50.00
TD.I180.235.8200	Ø 2.35	Ø 3.85	Ø 6.00	8.20	13.50	50.00
TD.I180.240.8400	Ø 2.40	Ø 3.90	Ø 6.00	8.40	13.70	50.00
TD.I180.245.8600	Ø 2.45	Ø 3.95	Ø 6.00	8.60	13.80	50.00
TD.I180.250.8800	Ø 2.50	Ø 4.00	Ø 6.00	8.80	14.00	50.00
TD.I180.255.8900	Ø 2.55	Ø 4.05	Ø 6.00	8.90	14.20	50.00
TD.I180.260.9100	Ø 2.60	Ø 4.10	Ø 6.00	9.10	14.40	50.00
TD.I180.265.9300	Ø 2.65	Ø 4.15	Ø 6.00	9.30	14.50	50.00
TD.I180.270.9400	Ø 2.70	Ø 4.20	Ø 6.00	9.40	14.70	50.00
TD.I180.275.9600	Ø 2.75	Ø 4.25	Ø 6.00	9.60	14.90	50.00
TD.I180.280.9800	Ø 2.80	Ø 4.30	Ø 6.00	9.80	15.10	50.00
TD.I180.285.10000	Ø 2.85	Ø 4.35	Ø 6.00	10.00	15.20	50.00
TD.I180.290.10100	Ø 2.90	Ø 4.40	Ø 6.00	10.10	15.40	50.00
TD.I180.295.10300	Ø 2.95	Ø 4.45	Ø 6.00	10.30	15.60	50.00

Article number	D1 m5 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.I180.300.10500	Ø 3.00	Ø 4.50	Ø 6.00	10.50	15.80	60.00
TD.I180.310.10900	Ø 3.10	Ø 4.60	Ø 6.00	10.90	16.10	60.00
TD.I180.320.11200	Ø 3.20	Ø 4.70	Ø 6.00	11.20	16.50	60.00
TD.I180.330.11600	Ø 3.30	Ø 4.80	Ø 6.00	11.60	16.80	60.00
TD.I180.340.11900	Ø 3.40	Ø 4.90	Ø 6.00	11.90	17.20	60.00
TD.I180.350.12300	Ø 3.50	Ø 5.00	Ø 6.00	12.30	17.50	60.00
TD.I180.360.12600	Ø 3.60	Ø 6.00	Ø 6.00	12.60	-	60.00
TD.I180.370.13000	Ø 3.70	Ø 6.00	Ø 6.00	13.00	-	60.00
TD.I180.380.13300	Ø 3.80	Ø 6.00	Ø 6.00	13.30	-	60.00
TD.I180.390.13700	Ø 3.90	Ø 6.00	Ø 6.00	13.70	-	60.00
TD.I180.400.14000	Ø 4.00	Ø 6.00	Ø 6.00	14.00	-	60.00
TD.I180.410.14400	Ø 4.10	Ø 6.00	Ø 6.00	14.40	-	60.00
TD.I180.420.14700	Ø 4.20	Ø 6.00	Ø 6.00	14.70	-	60.00
TD.I180.430.15100	Ø 4.30	Ø 6.00	Ø 6.00	15.10	-	60.00
TD.I180.440.15400	Ø 4.40	Ø 6.00	Ø 6.00	15.40	-	60.00
TD.I180.450.15800	Ø 4.50	Ø 6.00	Ø 6.00	15.80	-	60.00
TD.I180.460.16100	Ø 4.60	Ø 6.00	Ø 6.00	16.10	-	60.00
TD.I180.470.16500	Ø 4.70	Ø 6.00	Ø 6.00	16.50	-	60.00
TD.I180.480.16800	Ø 4.80	Ø 6.00	Ø 6.00	16.80	-	60.00
TD.I180.490.17200	Ø 4.90	Ø 6.00	Ø 6.00	17.20	-	60.00
TD.I180.500.17500	Ø 5.00	Ø 6.00	Ø 6.00	17.50	-	60.00
TD.I180.510.17900	Ø 5.10	Ø 8.00	Ø 8.00	17.90	-	70.00
TD.I180.520.18200	Ø 5.20	Ø 8.00	Ø 8.00	18.20	-	70.00
TD.I180.530.18600	Ø 5.30	Ø 8.00	Ø 8.00	18.60	-	70.00
TD.I180.540.18900	Ø 5.40	Ø 8.00	Ø 8.00	18.90	-	70.00
TD.I180.550.19300	Ø 5.50	Ø 8.00	Ø 8.00	19.30	-	70.00
TD.I180.560.19600	Ø 5.60	Ø 8.00	Ø 8.00	19.60	-	70.00
TD.I180.570.20000	Ø 5.70	Ø 8.00	Ø 8.00	20.00	-	70.00
TD.I180.580.20300	Ø 5.80	Ø 8.00	Ø 8.00	20.30	-	70.00
TD.I180.590.20700	Ø 5.90	Ø 8.00	Ø 8.00	20.70	-	70.00
TD.I180.600.21000	Ø 6.00	Ø 8.00	Ø 8.00	21.00	-	70.00

Available from stock



☐ Inquiry

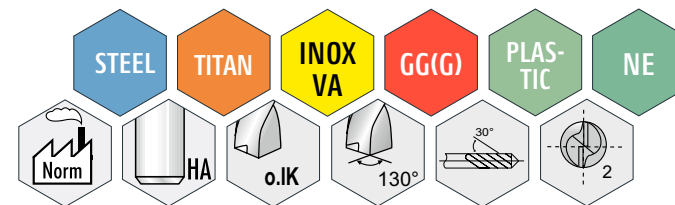
☐ Order

Order number: _____ Other: _____

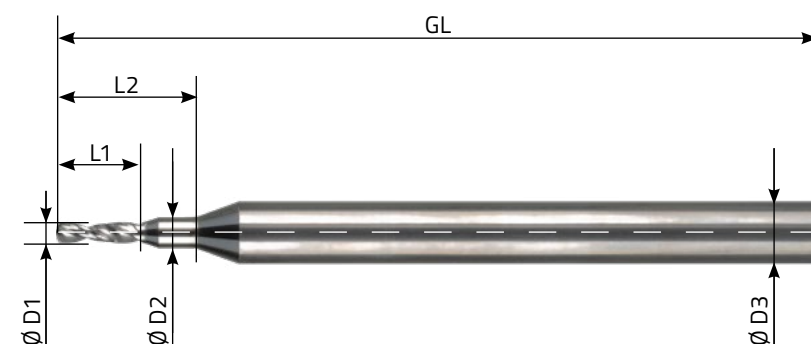
Dimensions: D ₁ : _____ GL: _____ α: _____ D ₂ : _____ L ₁ : _____ β: _____ D ₃ : _____ L ₂ : _____ Z: _____	Coating: ☐ Coated*: _____ ☐ Uncoated	With cooling channels? ☐ Yes ☐ No Cutting direction: ☐ Left ☐ Right
Material to be machined: _____	Shank shape: _____	Quantity: _____
Date, signature & company stamp: _____		Contact person: _____

* Without further information, the most suitable coating will be used.

VHM micro-INOX 3xD



TARGETDRILL micro-INOX
TD.MI.010.3D(.01) ← α-INOX coating
D1: Ø 0.10 mm 3xD



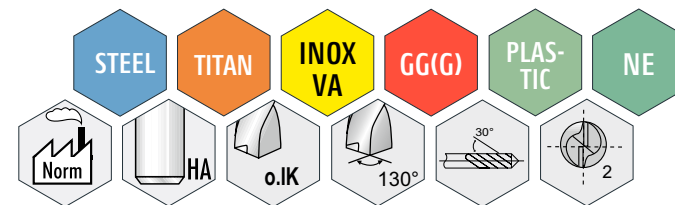
- α-INOX coated with suffix .01 or blank
- D1 +0/-0.004 blank & D1 +0/-0.002 coated

Article number	α-INOX	D1 (mm)	D2 (mm)	D3 h5 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.MI.010.3D	.01	Ø 0.10	1.00	3.00	0.30	3.00	38.00
TD.MI.015.3D	.01	Ø 0.15	1.00	3.00	0.45	3.00	38.00
TD.MI.020.3D	.01	Ø 0.20	1.00	3.00	0.60	3.00	38.00
TD.MI.025.3D	.01	Ø 0.25	1.00	3.00	0.75	3.00	38.00
TD.MI.030.3D	.01	Ø 0.30	1.00	3.00	0.90	3.00	38.00
TD.MI.035.3D	.01	Ø 0.35	1.00	3.00	1.05	3.00	38.00
TD.MI.040.3D	.01	Ø 0.40	1.00	3.00	1.20	3.00	38.00
TD.MI.045.3D	.01	Ø 0.45	1.00	3.00	1.35	3.00	38.00
TD.MI.050.3D	.01	Ø 0.50	1.50	3.00	1.50	6.00	38.00
TD.MI.055.3D	.01	Ø 0.55	1.50	3.00	1.80	6.00	38.00
TD.MI.060.3D	.01	Ø 0.60	1.50	3.00	1.80	6.00	38.00
TD.MI.065.3D	.01	Ø 0.65	1.50	3.00	2.10	6.00	38.00
TD.MI.070.3D	.01	Ø 0.70	1.50	3.00	2.10	6.00	38.00
TD.MI.075.3D	.01	Ø 0.75	1.50	3.00	2.40	6.00	38.00
TD.MI.080.3D	.01	Ø 0.80	1.50	3.00	2.40	6.00	38.00
TD.MI.085.3D	.01	Ø 0.85	1.50	3.00	2.70	6.00	38.00
TD.MI.090.3D	.01	Ø 0.90	1.50	3.00	2.70	6.00	38.00

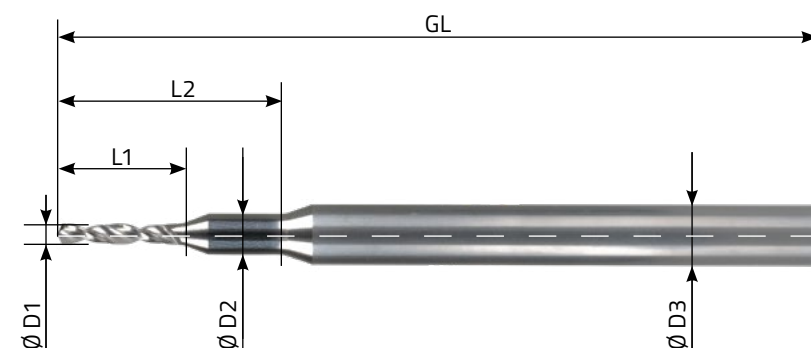
Article number	α-INOX	D1 (mm)	D2 (mm)	D3 h5 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.MI.095.3D	.01	Ø 0.95	1.50	3.00	3.00	6.00	38.00
TD.MI.100.3D	.01	Ø 1.00	2.00	3.00	3.00	6.00	38.00
TD.MI.105.3D	.01	Ø 1.05	2.00	3.00	3.30	6.00	38.00
TD.MI.110.3D	.01	Ø 1.10	2.00	3.00	3.30	6.00	38.00
TD.MI.115.3D	.01	Ø 1.15	2.00	3.00	3.60	6.00	38.00
TD.MI.120.3D	.01	Ø 1.20	2.00	3.00	3.60	6.00	38.00
TD.MI.125.3D	.01	Ø 1.25	2.00	3.00	3.90	6.00	38.00
TD.MI.130.3D	.01	Ø 1.30	2.00	3.00	3.90	6.00	38.00
TD.MI.135.3D	.01	Ø 1.35	2.00	3.00	4.20	6.00	38.00
TD.MI.140.3D	.01	Ø 1.40	2.00	3.00	4.20	6.00	38.00
TD.MI.145.3D	.01	Ø 1.45	2.00	3.00	4.50	6.00	38.00
TD.MI.150.3D	.01	Ø 1.50	-	3.00	4.50	-	38.00
TD.MI.155.3D	.01	Ø 1.55	-	3.00	4.80	-	38.00
TD.MI.160.3D	.01	Ø 1.60	-	3.00	4.80	-	38.00
TD.MI.165.3D	.01	Ø 1.65	-	3.00	5.10	-	38.00
TD.MI.170.3D	.01	Ø 1.70	-	3.00	5.10	-	38.00
TD.MI.175.3D	.01	Ø 1.75	-	3.00	5.40	-	38.00
TD.MI.180.3D	.01	Ø 1.80	-	3.00	5.40	-	38.00
TD.MI.185.3D	.01	Ø 1.85	-	3.00	5.70	-	38.00
TD.MI.190.3D	.01	Ø 1.90	-	3.00	5.70	-	38.00
TD.MI.195.3D	.01	Ø 1.95	-	3.00	6.00	-	38.00
TD.MI.200.3D	.01	Ø 2.00	-	3.00	6.00	-	38.00
TD.MI.205.3D	.01	Ø 2.05	-	3.00	6.30	-	38.00
TD.MI.210.3D	.01	Ø 2.10	-	3.00	6.30	-	38.00
TD.MI.215.3D	.01	Ø 2.15	-	3.00	6.60	-	38.00
TD.MI.220.3D	.01	Ø 2.20	-	3.00	6.60	-	38.00
TD.MI.225.3D	.01	Ø 2.25	-	3.00	6.90	-	38.00
TD.MI.230.3D	.01	Ø 2.30	-	3.00	6.90	-	38.00
TD.MI.235.3D	.01	Ø 2.35	-	3.00	7.20	-	38.00
TD.MI.240.3D	.01	Ø 2.40	-	3.00	7.20	-	38.00
TD.MI.245.3D	.01	Ø 2.45	-	3.00	7.50	-	38.00
TD.MI.250.3D	.01	Ø 2.50	-	3.00	7.50	-	38.00
TD.MI.255.3D	.01	Ø 2.55	-	3.00	7.80	-	38.00
TD.MI.260.3D	.01	Ø 2.60	-	3.00	7.80	-	38.00
TD.MI.265.3D	.01	Ø 2.65	-	3.00	8.10	-	38.00
TD.MI.270.3D	.01	Ø 2.70	-	3.00	8.10	-	38.00
TD.MI.275.3D	.01	Ø 2.75	-	3.00	8.40	-	38.00
TD.MI.280.3D	.01	Ø 2.80	-	3.00	8.40	-	38.00
TD.MI.285.3D	.01	Ø 2.85	-	3.00	8.70	-	38.00
TD.MI.290.3D	.01	Ø 2.90	-	3.00	8.70	-	38.00
TD.MI.295.3D	.01	Ø 2.95	-	3.00	9.00	-	38.00
TD.MI.300.3D	.01	Ø 3.00	-	3.00	9.00	-	38.00

Available from stock

VHM micro-INOX 5xD



TARGETDRILL micro-INOX
TD.MI.010.5D(.01) ← α-INOX coating
D1: Ø 0.10 mm 5xD



- α-INOX coated with suffix .01 or blank
- D1 +0/-0.004 blank & D1 +0/-0.002 coated



Online shop



5 PRO's of the TARGETDRILL:

- From Ø 0.1 to Ø 3.0 in 0.01 mm increments, available from stock
- 5xD micro-INOX drill
- Reinforced shank
- Available coated and uncoated
- Excellent price-performance ratio

Article number	α-INOX	D1 (mm)	D2 (mm)	D3 h5 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.MI.010.5D	.01	Ø 0.10	Ø 1.0	Ø 3.00	0.50	5.00	38.00
TD.MI.011.5D	.01	Ø 0.11	Ø 1.0	Ø 3.00	0.60	5.00	38.00
TD.MI.012.5D	.01	Ø 0.12	Ø 1.0	Ø 3.00	0.70	5.00	38.00
TD.MI.013.5D	.01	Ø 0.13	Ø 1.0	Ø 3.00	0.80	5.00	38.00
TD.MI.014.5D	.01	Ø 0.14	Ø 1.0	Ø 3.00	0.90	5.00	38.00
TD.MI.015.5D	.01	Ø 0.15	Ø 1.0	Ø 3.00	1.00	5.00	38.00
TD.MI.016.5D	.01	Ø 0.16	Ø 1.0	Ø 3.00	1.25	5.00	38.00
TD.MI.017.5D	.01	Ø 0.17	Ø 1.0	Ø 3.00	1.50	5.00	38.00
TD.MI.018.5D	.01	Ø 0.18	Ø 1.0	Ø 3.00	1.75	5.00	38.00
TD.MI.019.5D	.01	Ø 0.19	Ø 1.0	Ø 3.00	2.00	5.00	38.00
TD.MI.020.5D	.01	Ø 0.20	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.021.5D	.01	Ø 0.21	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.022.5D	.01	Ø 0.22	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.023.5D	.01	Ø 0.23	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.024.5D	.01	Ø 0.24	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.025.5D	.01	Ø 0.25	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.026.5D	.01	Ø 0.26	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.027.5D	.01	Ø 0.27	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.028.5D	.01	Ø 0.28	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.029.5D	.01	Ø 0.29	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.030.5D	.01	Ø 0.30	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.031.5D	.01	Ø 0.31	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.032.5D	.01	Ø 0.32	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.033.5D	.01	Ø 0.33	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.034.5D	.01	Ø 0.34	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.035.5D	.01	Ø 0.35	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.036.5D	.01	Ø 0.36	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.037.5D	.01	Ø 0.37	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.038.5D	.01	Ø 0.38	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.039.5D	.01	Ø 0.39	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.040.5D	.01	Ø 0.40	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.041.5D	.01	Ø 0.41	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.042.5D	.01	Ø 0.42	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.043.5D	.01	Ø 0.43	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.044.5D	.01	Ø 0.44	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.045.5D	.01	Ø 0.45	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.046.5D	.01	Ø 0.46	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.047.5D	.01	Ø 0.47	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.048.5D	.01	Ø 0.48	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.049.5D	.01	Ø 0.49	Ø 1.0	Ø 3.00	2.25	5.00	38.00
TD.MI.050.5D	.01	Ø 0.50	Ø 1.5	Ø 3.00	2.5	10.00	38.00
TD.MI.051.5D	.01	Ø 0.51	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.052.5D	.01	Ø 0.52	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.053.5D	.01	Ø 0.53	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.054.5D	.01	Ø 0.54	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.055.5D	.01	Ø 0.55	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.056.5D	.01	Ø 0.56	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.057.5D	.01	Ø 0.57	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.058.5D	.01	Ø 0.58	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.059.5D	.01	Ø 0.59	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.060.5D	.01	Ø 0.60	Ø 1.5	Ø 3.00	3.00	10.00	38.00
TD.MI.061.5D	.01	Ø 0.61	Ø 1.5	Ø 3.00	3.50	10.00	38.00
TD.MI.062.5D	.01	Ø 0.62	Ø 1.5	Ø 3.00	3.50	10.00	38.00
TD.MI.063.5D	.01	Ø 0.63	Ø 1.5	Ø 3.00	3.50	10.00	38.00
TD.MI.064.5D	.01	Ø 0.64	Ø 1.5	Ø 3.00	3.50	10.00	38.00
TD.MI.065.5D	.01	Ø 0.65	Ø 1.5	Ø 3.00	3.50	10.00	38.00
TD.MI.066.5D	.01	Ø 0.66	Ø 1.5	Ø 3.00	3.50	10.00	38.00
TD.MI.067.5D	.01	Ø 0.67	Ø 1.5	Ø 3.00	3.50	10.00	38.00
TD.MI.068.5D	.01	Ø 0.68	Ø 1.5	Ø 3.00	3.50	10.00	38.00

Article number	α-INOX	D1 (mm)	D2 (mm)	D3 h5 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.MI.069.5D	.01	Ø 0.69	Ø 1.5	Ø 3.00	3.50	10.00	38.00
TD.MI.070.5D	.01	Ø 0.70	Ø 1.5	Ø 3.00	3.50	10.00	38.00
TD.MI.071.5D	.01	Ø 0.71	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.072.5D	.01	Ø 0.72	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.073.5D	.01	Ø 0.73	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.074.5D	.01	Ø 0.74	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.075.5D	.01	Ø 0.75	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.076.5D	.01	Ø 0.76	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.077.5D	.01	Ø 0.77	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.078.5D	.01	Ø 0.78	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.079.5D	.01	Ø 0.79	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.080.5D	.01	Ø 0.80	Ø 1.5	Ø 3.00	4.00	10.00	38.00
TD.MI.081.5D	.01	Ø 0.81	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.082.5D	.01	Ø 0.82	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.083.5D	.01	Ø 0.83	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.084.5D	.01	Ø 0.84	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.085.5D	.01	Ø 0.85	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.086.5D	.01	Ø 0.86	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.087.5D	.01	Ø 0.87	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.088.5D	.01	Ø 0.88	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.089.5D	.01	Ø 0.89	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.090.5D	.01	Ø 0.90	Ø 1.5	Ø 3.00	4.50	10.00	38.00
TD.MI.091.5D	.01	Ø 0.91	Ø 1.5	Ø 3.00	5.00	10.00	38.00
TD.MI.092.5D	.01	Ø 0.92	Ø 1.5	Ø 3.00	5.00	10.00	38.00
TD.MI.093.5D	.01	Ø 0.93	Ø 1.5	Ø 3.00	5.00	10.00	38.00
TD.MI.094.5D	.01	Ø 0.94	Ø 1.5	Ø 3.00	5.00	10.00	38.00
TD.MI.095.5D	.01	Ø 0.95	Ø 1.5	Ø 3.00	5.00	10.00	38.00
TD.MI.096.5D	.01	Ø 0.96	Ø 1.5	Ø 3.00	5.00	10.00	38.00
TD.MI.097.5D	.01	Ø 0.97	Ø 1.5	Ø 3.00	5.00	10.00	38.00
TD.MI.098.5D	.01	Ø 0.98	Ø 1.5	Ø 3.00	5.00	10.00	38.00
TD.MI.099.5D	.01	Ø 0.99	Ø 1.5	Ø 3.00	5.00	10.00	38.00
TD.MI.100.5D	.01	Ø 1.00	Ø 2.0	Ø 3.00	5.00	10.00	38.00
TD.MI.101.5D	.01	Ø 1.01	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.102.5D	.01	Ø 1.02	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.103.5D	.01	Ø 1.03	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.104.5D	.01	Ø 1.04	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.105.5D	.01	Ø 1.05	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.106.5D	.01	Ø 1.06	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.107.5D	.01	Ø 1.07	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.108.5D	.01	Ø 1.08	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.109.5D	.01	Ø 1.09	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.110.5D	.01	Ø 1.10	Ø 2.0	Ø 3.00	5.50	10.00	38.00
TD.MI.111.5D	.01	Ø 1.11	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.112.5D	.01	Ø 1.12	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.113.5D	.01	Ø 1.13	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.114.5D	.01	Ø 1.14	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.115.5D	.01	Ø 1.15	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.116.5D	.01	Ø 1.16	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.117.5D	.01	Ø 1.17	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.118.5D	.01	Ø 1.18	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.119.5D	.01	Ø 1.19	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.120.5D	.01	Ø 1.20	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.121.5D	.01	Ø 1.21	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.122.5D	.01	Ø 1.22	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.123.5D	.01	Ø 1.23	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.124.5D	.01	Ø 1.24	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.125.5D	.01	Ø 1.25	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.126.5D	.01	Ø 1.26	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.127.5D	.01	Ø 1.27	Ø 2.0	Ø 3.00	6.00	10.00	38.00

Article number	α-INOX	D1 (mm)	D2 (mm)	D3 h5 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.MI.128.5D	.01	Ø 1.28	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.129.5D	.01	Ø 1.29	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.130.5D	.01	Ø 1.30	Ø 2.0	Ø 3.00	6.00	10.00	38.00
TD.MI.131.5D	.01	Ø 1.31	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.132.5D	.01	Ø 1.32	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.133.5D	.01	Ø 1.33	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.134.5D	.01	Ø 1.34	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.135.5D	.01	Ø 1.35	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.136.5D	.01	Ø 1.36	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.137.5D	.01	Ø 1.37	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.138.5D	.01	Ø 1.38	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.139.5D	.01	Ø 1.39	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.140.5D	.01	Ø 1.40	Ø 2.0	Ø 3.00	7.00	10.00	38.00
TD.MI.141.5D	.01	Ø 1.41	Ø 2.0	Ø 3.00	7.50	10.00	38.00
TD.MI.142.5D	.01	Ø 1.42	Ø 2.0	Ø 3.00	7.50	10.00	38.00
TD.MI.143.5D	.01	Ø 1.43	Ø 2.0	Ø 3.00	7.50	10.00	38.00
TD.MI.144.5D	.01	Ø 1.44	Ø 2.0	Ø 3.00	7.50	10.00	38.00
TD.MI.145.5D	.01	Ø 1.45	Ø 2.0	Ø 3.00	7.50	10.00	38.00
TD.MI.146.5D	.01	Ø 1.46	Ø 2.0	Ø 3.00	7.50	10.00	38.00
TD.MI.147.5D	.01	Ø 1.47	Ø 2.0	Ø 3.00	7.50	10.00	38.00
TD.MI.148.5D	.01	Ø 1.48	Ø 2.0	Ø 3.00	7.50	10.00	38.00
TD.MI.149.5D	.01	Ø 1.49	Ø 2.0	Ø 3.00	7.50	10.00	38.00
TD.MI.150.5D	.01	Ø 1.50	-	Ø 3.00	7.50	-	38.00
TD.MI.151.5D	.01	Ø 1.51	-	Ø 3.00	8.00	-	38.00
TD.MI.152.5D	.01	Ø 1.52	-	Ø 3.00	8.00	-	38.00
TD.MI.153.5D	.01	Ø 1.53	-	Ø 3.00	8.00	-	38.00
TD.MI.154.5D	.01	Ø 1.54	-	Ø 3.00	8.00	-	38.00
TD.MI.155.5D	.01	Ø 1.55	-	Ø 3.00	8.00	-	38.00
TD.MI.156.5D	.01	Ø 1.56	-	Ø 3.00	8.00	-	38.00
TD.MI.157.5D	.01	Ø 1.57	-	Ø 3.00	8.00	-	38.00
TD.MI.158.5D	.01	Ø 1.58	-	Ø 3.00	8.00	-	38.00
TD.MI.159.5D	.01	Ø 1.59	-	Ø 3.00	8.00	-	38.00
TD.MI.160.5D	.01	Ø 1.60	-	Ø 3.00	8.00	-	38.00
TD.MI.161.5D	.01	Ø 1.61	-	Ø 3.00	8.50	-	38.00
TD.MI.162.5D	.01	Ø 1.62	-	Ø 3.00	8.50	-	38.00
TD.MI.163.5D	.01	Ø 1.63	-	Ø 3.00	8.50	-	38.00
TD.MI.164.5D	.01	Ø 1.64	-	Ø 3.00	8.50	-	38.00
TD.MI.165.5D	.01	Ø 1.65	-	Ø 3.00	8.50	-	38.00
TD.MI.166.5D	.01	Ø 1.66	-	Ø 3.00	8.50	-	38.00
TD.MI.167.5D	.01	Ø 1.67	-	Ø 3.00	8.50	-	38.00
TD.MI.168.5D	.01	Ø 1.68	-	Ø 3.00	8.50	-	38.00
TD.MI.169.5D	.01	Ø 1.69	-	Ø 3.00	8.50	-	38.00
TD.MI.170.5D	.01	Ø 1.70	-	Ø 3.00	8.50	-	38.00
TD.MI.171.5D	.01	Ø 1.71	-	Ø 3.00	9.00	-	38.00
TD.MI.172.5D	.01	Ø 1.72	-	Ø 3.00	9.00	-	38.00
TD.MI.173.5D	.01	Ø 1.73	-	Ø 3.00	9.00	-	38.00
TD.MI.174.5D	.01	Ø 1.74	-	Ø 3.00	9.00	-	38.00
TD.MI.175.5D	.01	Ø 1.75	-	Ø 3.00	9.00	-	38.00
TD.MI.176.5D	.01	Ø 1.76	-	Ø 3.00	9.00	-	38.00
TD.MI.177.5D	.01	Ø 1.77	-	Ø 3.00	9.00	-	38.00
TD.MI.178.5D	.01	Ø 1.78	-	Ø 3.00	9.00	-	38.00
TD.MI.179.5D	.01	Ø 1.79	-	Ø 3.00	9.00	-	38.00
TD.MI.180.5D	.01	Ø 1.80	-	Ø 3.00	9.00	-	38.00
TD.MI.181.5D	.01	Ø 1.81	-	Ø 3.00	9.50	-	38.00
TD.MI.182.5D	.01	Ø 1.82	-	Ø 3.00	9.50	-	38.00
TD.MI.183.5D	.01	Ø 1.83	-	Ø 3.00	9.50	-	38.00
TD.MI.184.5D	.01	Ø 1.84	-	Ø 3.00	9.50	-	38.00
TD.MI.185.5D	.01	Ø 1.85	-	Ø 3.00	9.50	-	38.00
TD.MI.186.5D	.01	Ø 1.86	-	Ø 3.00	9.50	-	38.00

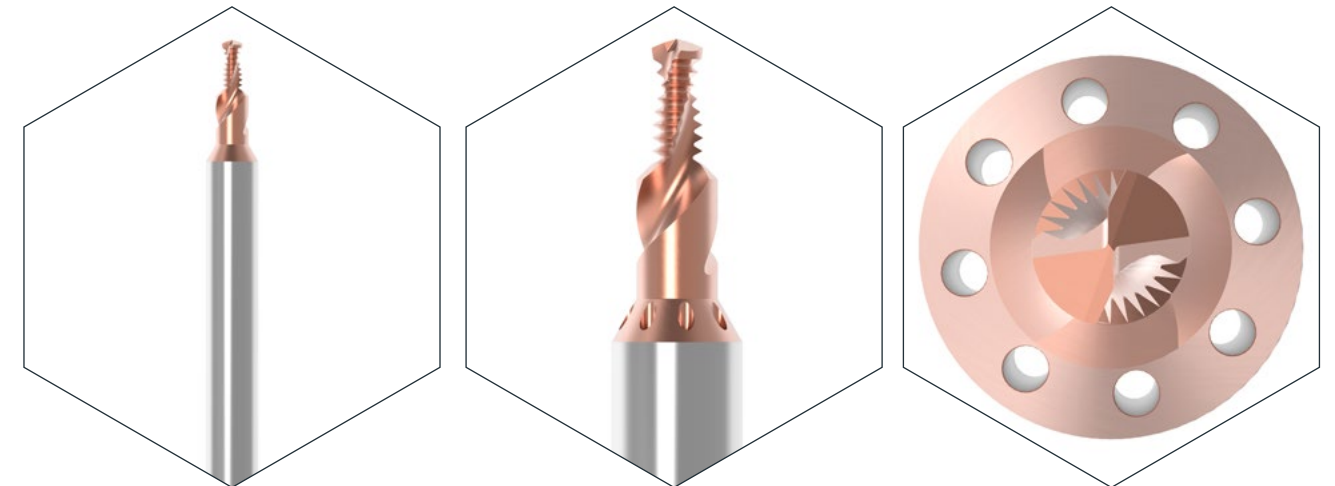
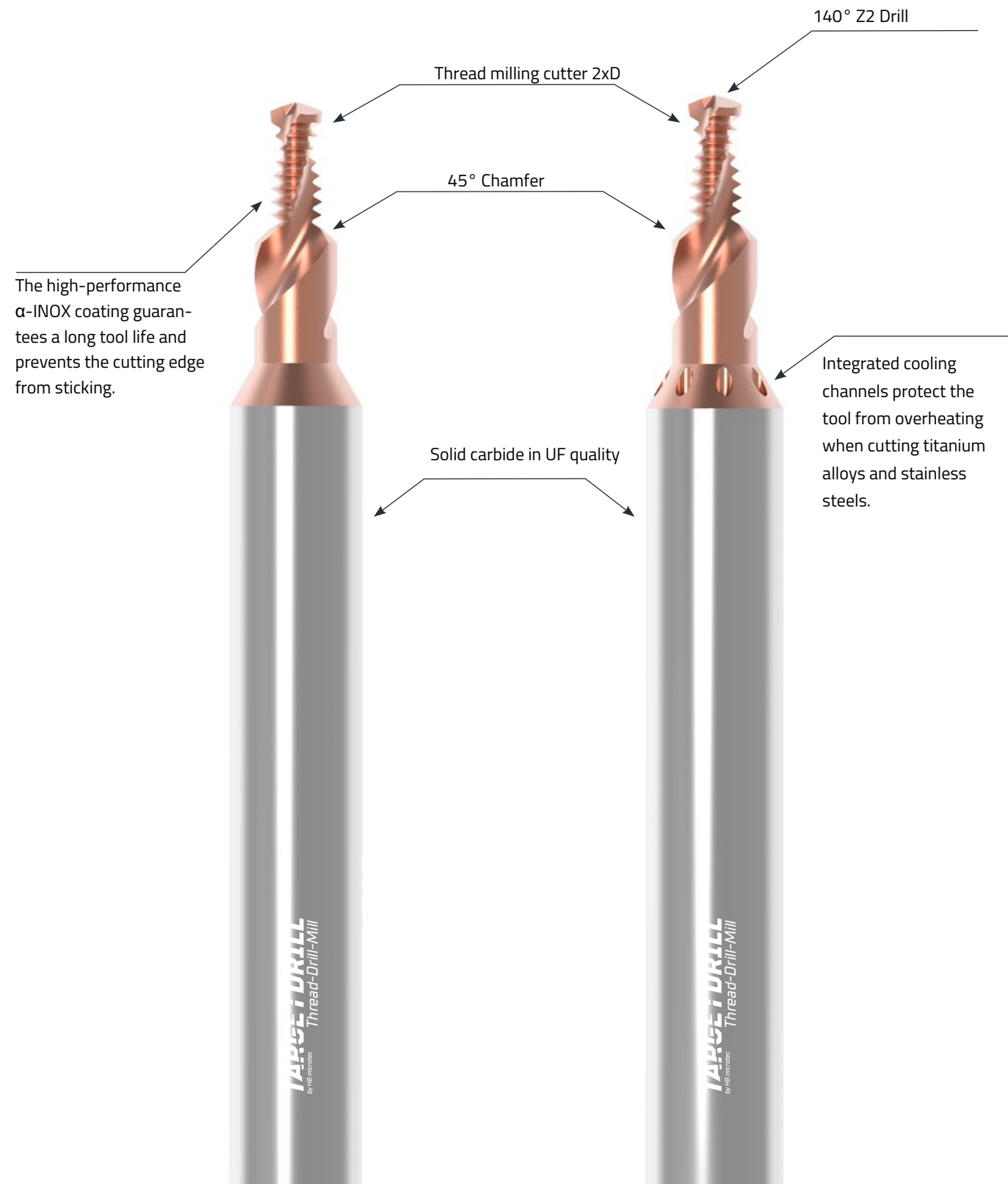
Article number	α-INOX	D1 (mm)	D2 (mm)	D3 h5 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.MI.187.5D	.01	Ø 1.87	-	Ø 3.00	9.50	-	38.00
TD.MI.188.5D	.01	Ø 1.88	-	Ø 3.00	9.50	-	38.00
TD.MI.189.5D	.01	Ø 1.89	-	Ø 3.00	9.50	-	38.00
TD.MI.190.5D	.01	Ø 1.90	-	Ø 3.00	9.50	-	38.00
TD.MI.191.5D	.01	Ø 1.91	-	Ø 3.00	10.00	-	38.00
TD.MI.192.5D	.01	Ø 1.92	-	Ø 3.00	10.00	-	38.00
TD.MI.193.5D	.01	Ø 1.93	-	Ø 3.00	10.00	-	38.00
TD.MI.194.5D	.01	Ø 1.94	-	Ø 3.00	10.00	-	38.00
TD.MI.195.5D	.01	Ø 1.95	-	Ø 3.00	10.00	-	38.00
TD.MI.196.5D	.01	Ø 1.96	-	Ø 3.00	10.00	-	38.00
TD.MI.197.5D	.01	Ø 1.97	-	Ø 3.00	10.00	-	38.00
TD.MI.198.5D	.01	Ø 1.98	-	Ø 3.00	10.00	-	38.00
TD.MI.199.5D	.01	Ø 1.99	-	Ø 3.00	10.00	-	38.00
TD.MI.200.5D	.01	Ø 2.00	-	Ø 3.00	10.00	-	38.00
TD.MI.201.5D	.01	Ø 2.01	-	Ø 3.00	10.50	-	38.00
TD.MI.202.5D	.01	Ø 2.02	-	Ø 3.00	10.50	-	38.00
TD.MI.203.5D	.01	Ø 2.03	-	Ø 3.00	10.50	-	38.00
TD.MI.204.5D	.01	Ø 2.04	-	Ø 3.00	10.50	-	38.00
TD.MI.205.5D	.01	Ø 2.05	-	Ø 3.00	10.50	-	38.00
TD.MI.206.5D	.01	Ø 2.06	-	Ø 3.00	10.50	-	38.00
TD.MI.207.5D	.01	Ø 2.07	-	Ø 3.00	10.50	-	38.00
TD.MI.208.5D	.01	Ø 2.08	-	Ø 3.00	10.50	-	38.00
TD.MI.209.5D	.01	Ø 2.09	-	Ø 3.00	10.50	-	38.00
TD.MI.210.5D	.01	Ø 2.10	-	Ø 3.00	10.50	-	38.00
TD.MI.211.5D	.01	Ø 2.11	-	Ø 3.00	11.00	-	38.00
TD.MI.212.5D	.01	Ø 2.12	-	Ø 3.00	11.00	-	38.00
TD.MI.213.5D	.01	Ø 2.13	-	Ø 3.00	11.00	-	38.00
TD.MI.214.5D	.01	Ø 2.14	-	Ø 3.00	11.00	-	38.00
TD.MI.215.5D	.01	Ø 2.15	-	Ø 3.00	11.00	-	38.00
TD.MI.216.5D	.01	Ø 2.16	-	Ø 3.00	11.00	-	38.00
TD.MI.217.5D	.01	Ø 2.17	-	Ø 3.00	11.00	-	38.00
TD.MI.218.5D	.01	Ø 2.18	-	Ø 3.00	11.00	-	38.00
TD.MI.219.5D	.01	Ø 2.19	-	Ø 3.00	11.00	-	38.00
TD.MI.220.5D	.01	Ø 2.20	-	Ø 3.00	11.00	-	38.00
TD.MI.221.5D	.01	Ø 2.21	-	Ø 3.00	11.50	-	38.00
TD.MI.222.5D	.01	Ø 2.22	-	Ø 3.00	11.50	-	38.00
TD.MI.223.5D	.01	Ø 2.23	-	Ø 3.00	11.50	-	38.00
TD.MI.224.5D	.01	Ø 2.24	-	Ø 3.00	11.50	-	38.00
TD.MI.225.5D	.01	Ø 2.25	-	Ø 3.00	11.50	-	38.00
TD.MI.226.5D	.01	Ø 2.26	-	Ø 3.00	11.50	-	38.00
TD.MI.227.5D	.01	Ø 2.27	-	Ø 3.00	11.50	-	38.00
TD.MI.228.5D	.01	Ø 2.28	-	Ø 3.00	11.50	-	38.00
TD.MI.229.5D	.01	Ø 2.29	-	Ø 3.00	11.50	-	38.00
TD.MI.230.5D	.01	Ø 2.30	-	Ø 3.00	11.50	-	38.00
TD.MI.231.5D	.01	Ø 2.31	-	Ø 3.00	12.00	-	38.00
TD.MI.232.5D	.01	Ø 2.32	-	Ø 3.00	12.00	-	38.00
TD.MI.233.5D	.01	Ø 2.33	-	Ø 3.00	12.00	-	38.00
TD.MI.234.5D	.01	Ø 2.34	-	Ø 3.00	12.00	-	38.00
TD.MI.235.5D	.01	Ø 2.35	-	Ø 3.00	12.00	-	38.00
TD.MI.236.5D	.01	Ø 2.36	-	Ø 3.00	12.00	-	38.00
TD.MI.237.5D	.01	Ø 2.37	-	Ø 3.00	12.00	-	38.00
TD.MI.238.5D	.01	Ø 2.38	-	Ø 3.00	12.00	-	38.00
TD.MI.239.5D	.01	Ø 2.39	-	Ø 3.00	12.00	-	38.00
TD.MI.240.5D	.01	Ø 2.40	-	Ø 3.00	12.00	-	38.00
TD.MI.241.5D	.01	Ø 2.41	-	Ø 3.00	12.50	-	38.00
TD.MI.242.5D	.01	Ø 2.42	-	Ø 3.00	12.50	-	38.00
TD.MI.243.5D	.01	Ø 2.43	-	Ø 3.00	12.50	-	38.00
TD.MI.244.5D	.01	Ø 2.44	-	Ø 3.00	12.50	-	38.00
TD.MI.245.5D	.01	Ø 2.45	-	Ø 3.00	12.50	-	38.00

Article number	α-INOX	D1 (mm)	D2 (mm)	D3 h5 (mm)	L1 (mm)	L2 (mm)	GL (mm)
TD.MI.246.5D	.01	Ø 2.46	-	Ø 3.00	12.50	-	38.00
TD.MI.247.5D	.01	Ø 2.47	-	Ø 3.00	12.50	-	38.00
TD.MI.248.5D	.01	Ø 2.48	-	Ø 3.00	12.50	-	38.00
TD.MI.249.5D	.01	Ø 2.49	-	Ø 3.00	12.50	-	38.00
TD.MI.250.5D	.01	Ø 2.50	-	Ø 3.00	12.50	-	38.00
TD.MI.251.5D	.01	Ø 2.51	-	Ø 3.00	13.00	-	38.00
TD.MI.252.5D	.01	Ø 2.52	-	Ø 3.00	13.00	-	38.00
TD.MI.253.5D	.01	Ø 2.53	-	Ø 3.00	13.00	-	38.00
TD.MI.254.5D	.01	Ø 2.54	-	Ø 3.00	13.00	-	38.00
TD.MI.255.5D	.01	Ø 2.55	-	Ø 3.00	13.00	-	38.00
TD.MI.256.5D	.01	Ø 2.56	-	Ø 3.00	13.00	-	38.00
TD.MI.257.5D	.01	Ø 2.57	-	Ø 3.00	13.00	-	38.00
TD.MI.258.5D	.01	Ø 2.58	-	Ø 3.00	13.00	-	38.00
TD.MI.259.5D	.01	Ø 2.59	-	Ø 3.00	13.00	-	38.00
TD.MI.260.5D	.01	Ø 2.60	-	Ø 3.00	13.00	-	38.00
TD.MI.261.5D	.01	Ø 2.61	-	Ø 3.00	13.50	-	38.00
TD.MI.262.5D	.01	Ø 2.62	-	Ø 3.00	13.50	-	38.00
TD.MI.263.5D	.01	Ø 2.63	-	Ø 3.00	13.50	-	38.00
TD.MI.264.5D	.01	Ø 2.64	-	Ø 3.00	13.50	-	38.00
TD.MI.265.5D	.01	Ø 2.65	-	Ø 3.00	13.50	-	38.00
TD.MI.266.5D	.01	Ø 2.66	-	Ø 3.00	13.50	-	38.00
TD.MI.267.5D	.01	Ø 2.67	-	Ø 3.00	13.50	-	38.00
TD.MI.268.5D	.01	Ø 2.68	-	Ø 3.00	13.50	-	38.00
TD.MI.269.5D	.01	Ø 2.69	-	Ø 3.00	13.50	-	38.00
TD.MI.270.5D	.01	Ø 2.70	-	Ø 3.00	13.50	-	38.00
TD.MI.271.5D	.01	Ø 2.71	-	Ø 3.00	14.00	-	38.00
TD.MI.272.5D	.01	Ø 2.72	-	Ø 3.00	14.00	-	38.00
TD.MI.273.5D	.01	Ø 2.73	-	Ø 3.00	14.00	-	38.00
TD.MI.274.5D	.01	Ø 2.74	-	Ø 3.00	14.00	-	38.00
TD.MI.275.5D	.01	Ø 2.75	-	Ø 3.00	14.00	-	38.00
TD.MI.276.5D	.01	Ø 2.76	-	Ø 3.00	14.00	-	38.00
TD.MI.277.5D	.01	Ø 2.77	-	Ø 3.00	14.00	-	38.00
TD.MI.278.5D	.01	Ø 2.78	-	Ø 3.00	14.00	-	38.00
TD.MI.279.5D	.01	Ø 2.79	-	Ø 3.00	14.00	-	38.00
TD.MI.280.5D	.01	Ø 2.80	-	Ø 3.00	14.00	-	38.00
TD.MI.281.5D	.01	Ø 2.81	-	Ø 3.00	14.50	-	38.00
TD.MI.282.5D	.01	Ø 2.82	-	Ø 3.00	14.50	-	38.00
TD.MI.283.5D	.01	Ø 2.83	-	Ø 3.00	14.50	-	38.00
TD.MI.284.5D	.01	Ø 2.84	-	Ø 3.00	14.50	-	38.00
TD.MI.285.5D	.01	Ø 2.85	-	Ø 3.00	14.50	-	38.00
TD.MI.286.5D	.01	Ø 2.86	-	Ø 3.00	14.50	-	38.00
TD.MI.287.5D	.01	Ø 2.87	-	Ø 3.00	14.50	-	38.00
TD.MI.288.5D	.01	Ø 2.88	-	Ø 3.00	14.50	-	38.00
TD.MI.289.5D	.01	Ø 2.89	-	Ø 3.00	14.50	-	38.00
TD.MI.290.5D	.01	Ø 2.90	-	Ø 3.00	14.50	-	38.00
TD.MI.291.5D	.01	Ø 2.91	-	Ø 3.00	15.00	-	38.00
TD.MI.292.5D	.01	Ø 2.92	-	Ø 3.00	15.00	-	38.00
TD.MI.293.5D	.01	Ø 2.93	-	Ø 3.00	15.00	-	38.00
TD.MI.294.5D	.01	Ø 2.94	-	Ø 3.00	15.00	-	38.00
TD.MI.295.5D	.01	Ø 2.95	-	Ø 3.00	15.00	-	38.00
TD.MI.296.5D	.01	Ø 2.96	-	Ø 3.00	15.00	-	38.00
TD.MI.297.5D	.01	Ø 2.97	-	Ø 3.00	15.00	-	38.00
TD.MI.298.5D	.01	Ø 2.98	-	Ø 3.00	15.00	-	38.00
TD.MI.299.5D	.01	Ø 2.99	-	Ø 3.00	15.00	-	38.00
TD.MI.300.5D	.01	Ø 3.00	-	Ø 3.00	15.00	-	38.00

Available from stock

Thread-Drill-Mill

Thread-Drill-Mill cooled



☐ Inquiry

☐ Order

Order number: _____

Other: _____

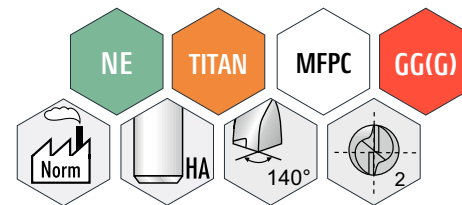
Dimensions: Thread: _____ Drilling depth: _____ Chamfer angle: _____ Overall length: _____	Coating: ☐ Coated*: _____ ☐ Uncoated	Cooling channels: ☐ Yes ☐ No Cutting direction: ☐ Left ☐ Right
Material to be machined: _____	Shank shape: _____	Quantity: _____
Date, signature & company stamp: _____		Contact person: _____

* Without further information, the most suitable coating will be used.

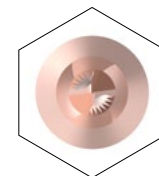
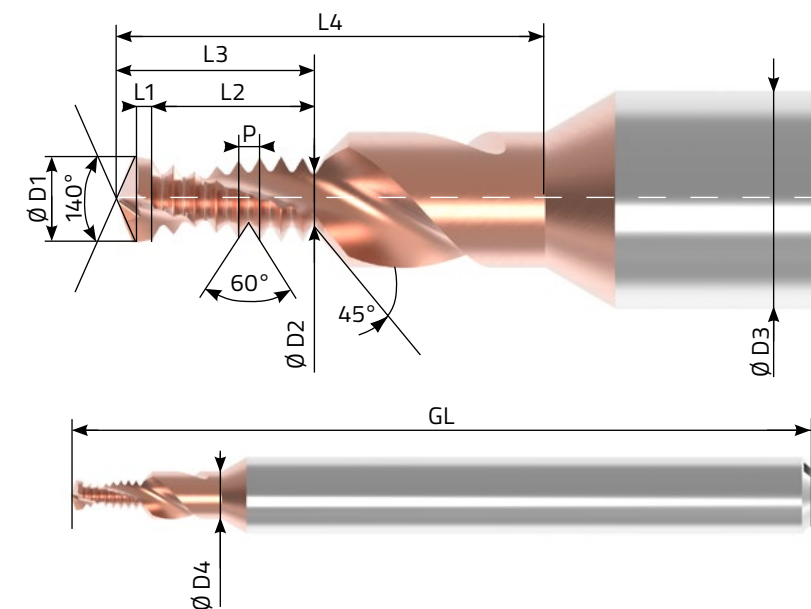


2xD THREAD-DRILL-MILL

Thread milling cutter



TARGETMILL
TM.TD.M2.040
Thread-Drill-Mill
Nominal thread size
Pitch P: 40°



■ α-INOX coated

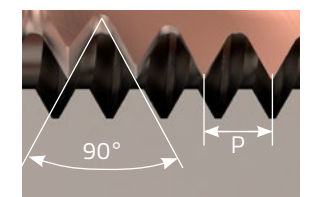
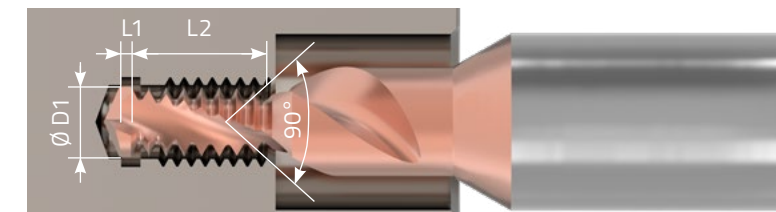


Online shop



5 PRO's of the TARGETDRILL:

- Drilling, milling, and countersinking with a solid carbide tool
- Maximum productivity
- Reduction of non-productive time
- Machine non-ferrous metals and titanium alloys with the same tool
- Available in standard sizes starting at M2

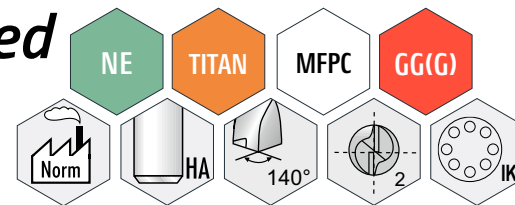


Article number	Nominal thread size (mm)	Thread form	Pitch P (mm)	Core hole D1 (mm)	D2 (mm)	D3 h6 (mm)	D4 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	GL (mm)
TM.TD.M2.040	M2	M2x0.4; 2xD	0.40	Ø1.60	Ø1.55	Ø4.00	Ø3.20	0.40	4.00	5.00	10.5	39.00
TM.TD.M2.025	M2	M2x0.25; 2xD	0.25	Ø1.75	Ø1.70	Ø4.00	Ø3.20	0.30	4.00	4.90	10.5	39.00
TM.TD.M2.2.045	M2.2	M2.2x0.45; 2xD	0.45	Ø1.75	Ø1.68	Ø4.00	Ø3.20	0.45	4.50	5.60	10.5	39.00
TM.TD.M2.2.025	M2.2	M2.2x0.25; 2xD	0.25	Ø1.95	Ø1.88	Ø4.00	Ø3.20	0.30	4.50	5.40	10.5	39.00
TM.TD.M2.3.045	M2.3	M2.3x0.45; 2xD	0.45	Ø1.85	Ø1.78	Ø4.00	Ø3.20	0.45	4.50	5.60	10.5	39.00
TM.TD.M2.3.040	M2.3	M2.3x0.4; 2xD	0.40	Ø1.90	Ø1.83	Ø4.00	Ø3.20	0.40	4.80	5.90	10.5	39.00
TM.TD.M2.5.045	M2.5	M2.5x0.45; 2xD	0.45	Ø2.05	Ø1.97	Ø4.00	Ø3.20	0.45	5.00	6.10	11.5	41.00
TM.TD.M2.5.035	M2.5	M2.5x0.35; 2xD	0.35	Ø2.15	Ø2.07	Ø4.00	Ø3.20	0.35	4.90	5.90	11.5	41.00
TM.TD.M2.6.045	M2.6	M2.6x0.45; 2xD	0.45	Ø2.15	Ø2.07	Ø4.00	Ø3.20	0.45	5.40	6.60	12.00	41.00
TM.TD.M2.6.035	M2.6	M2.6x0.35; 2xD	0.35	Ø2.25	Ø2.17	Ø4.00	Ø3.20	0.35	5.30	6.30	12.00	41.00
TM.TD.M3.050	M3	M3x0.5; 2xD	0.50	Ø2.50	Ø2.40	Ø6.00	Ø4.50	0.50	6.00	7.30	15.00	53.00
TM.TD.M3.035	M3	M3x0.35; 2xD	0.35	Ø2.65	Ø2.55	Ø6.00	Ø4.50	0.35	6.00	7.10	15.00	53.00
TM.TD.M3.5.060	M3.5	M3.5x0.6; 2xD	0.60	Ø2.90	Ø2.78	Ø6.00	Ø4.50	0.60	7.20	8.80	15.00	53.00
TM.TD.M3.5.035	M3.5	M3.5x0.35; 2xD	0.35	Ø3.15	Ø3.03	Ø6.00	Ø4.50	0.35	7.00	8.20	15.00	53.00
TM.TD.M4.070	M4	M4x0.7; 2xD	0.70	Ø3.30	Ø3.16	Ø6.00	Ø4.50	0.70	7.70	9.50	17.00	55.00
TM.TD.M4.050	M4	M4x0.5; 2xD	0.50	Ø3.50	Ø3.36	Ø6.00	Ø4.50	0.50	8.10	9.50	17.00	55.00
TM.TD.M4.5.075	M4.5	M4.5x0.75; 2xD	0.75	Ø3.75	Ø3.60	Ø6.00	Ø5.00	0.75	9.00	10.90	20.00	57.00
TM.TD.M4.5.050	M4.5	M4.5x0.5; 2xD	0.50	Ø4.00	Ø3.85	Ø6.00	Ø5.00	0.50	9.10	10.60	20.00	57.00
TM.TD.M5.080	M5	M5x0.8; 2xD	0.80	Ø4.20	Ø4.04	Ø6.00	Ø6.00	0.80	10.40	12.60	-	60.00
TM.TD.M5.050	M5	M5x0.5; 2xD	0.50	Ø4.50	Ø4.34	Ø6.00	Ø6.00	0.50	10.10	11.80	-	60.00
TM.TD.M6.120	M6	M6x1; 2xD	1.00	Ø5.00	Ø4.80	Ø8.00	Ø6.60	1.00	12.10	14.60	26.00	64.00
TM.TD.M6.075	M6	M6x0.75; 2xD	0.75	Ø5.25	Ø5.05	Ø8.00	Ø6.60	0.75	12.10	14.30	26.00	64.00
TM.TD.M6.050	M6	M6x0.5; 2xD	0.50	Ø5.50	Ø5.30	Ø8.00	Ø6.60	0.50	12.10	14.00	26.00	64.00
TM.TD.M7.120	M7	M7x1; 2xD	1.00	Ø6.00	Ø5.77	Ø8.00	Ø8.00	1.00	14.10	16.80	-	70.00
TM.TD.M7.075	M7	M7x0.75; 2xD	0.75	Ø6.25	Ø6.02	Ø8.00	Ø8.00	0.75	14.30	16.70	-	70.00
TM.TD.M8.125	M8	M8x1.25; 2xD	1.25	Ø6.75	Ø6.50	Ø10.00	Ø9.00	1.25	16.30	19.60	33.00	75.00
TM.TD.M8.100	M8	M8x1; 2xD	1.00	Ø7.00	Ø6.75	Ø10.00	Ø9.00	1.00	16.10	19.00	33.00	75.00
TM.TD.M8.075	M8	M8x0.75; 2xD	0.75	Ø7.25	Ø7.00	Ø10.00	Ø9.00	0.75	15.80	18.40	33.00	75.00
TM.TD.M8.050	M8	M8x0.5; 2xD	0.50	Ø7.50	Ø7.25	Ø10.00	Ø9.00	0.50	16.10	18.40	33.00	75.00

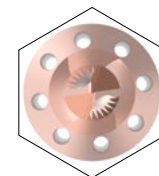
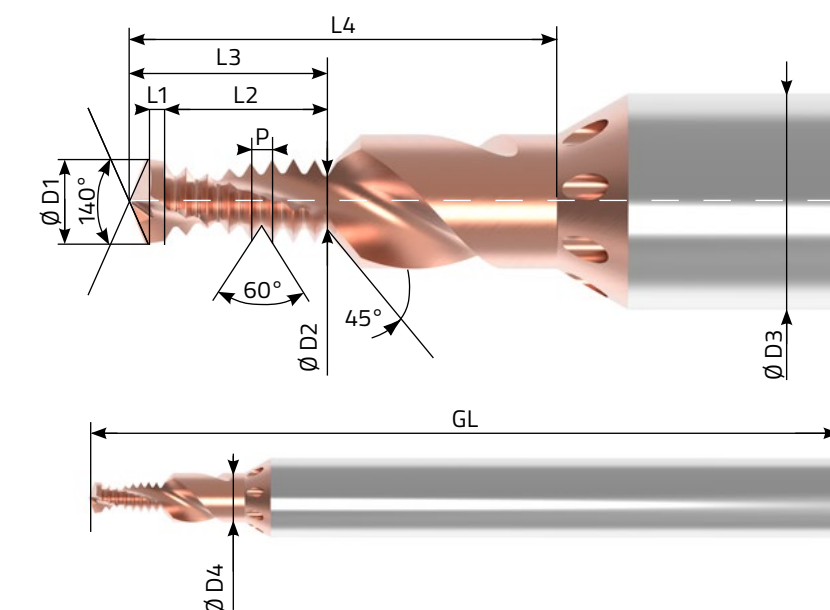
Delivery time: 3 - 4 weeks

2xD THREAD-DRILL-MILL cooled

Thread milling cutter



TARGETMILL
Nominal thread size
TM.TD.M2.040.ITK ← Integrated cooling
Thread-Drill-Mill Pitch P: 40°



■ α-INOX coated

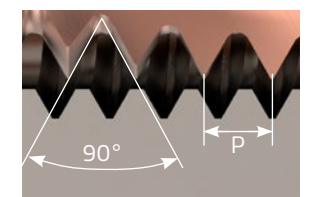
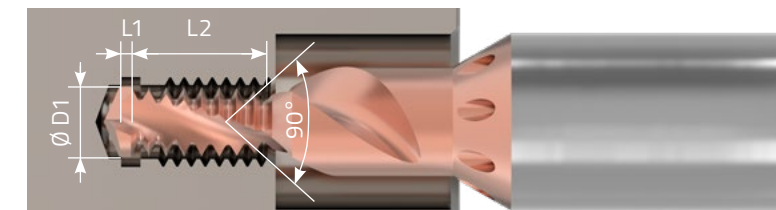


Online shop



5 PRO's of the TARGETDRILL:

- Drilling, milling, and countersinking with a solid carbide tool
- Maximum productivity
- Reduction of non-productive time
- Machine non-ferrous metals and titanium alloys with the same tool
- Available in standard sizes starting at M2 with internal cooling



Article number	Nominal thread size (mm)	Thread form	Pitch P (mm)	Core hole D1 (mm)	D2 (mm)	D3 h6 (mm)	D4 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	GL (mm)
TM.TD.M2.040.ITK	M2	M2x0.4; 2xD	0.40	Ø1.60	Ø1.55	Ø6.00	Ø3.20	0.40	4.00	5.00	10.50	50.00
TM.TD.M2.025.ITK	M2	M2x0.25; 2xD	0.25	Ø1.75	Ø1.70	Ø6.00	Ø3.20	0.30	4.00	4.90	10.50	50.00
TM.TD.M2.2.045.ITK	M2.2	M2.2x0.45; 2xD	0.45	Ø1.75	Ø1.68	Ø6.00	Ø3.20	0.45	4.50	5.60	10.50	50.00
TM.TD.M2.2.025.ITK	M2.2	M2.2x0.25; 2xD	0.25	Ø1.95	Ø1.88	Ø6.00	Ø3.20	0.30	4.50	5.40	10.50	50.00
TM.TD.M2.3.045.ITK	M2.3	M2.3x0.45; 2xD	0.45	Ø1.85	Ø1.78	Ø6.00	Ø3.20	0.45	4.50	5.60	10.50	50.00
TM.TD.M2.3.040.ITK	M2.3	M2.3x0.4; 2xD	0.40	Ø1.90	Ø1.83	Ø6.00	Ø3.20	0.40	4.80	5.90	10.50	50.00
TM.TD.M2.5.045.ITK	M2.5	M2.5x0.45; 2xD	0.45	Ø2.05	Ø1.97	Ø6.00	Ø3.20	0.45	5.00	6.10	11.50	50.00
TM.TD.M2.5.035.ITK	M2.5	M2.5x0.35; 2xD	0.35	Ø2.15	Ø2.07	Ø6.00	Ø3.20	0.35	4.90	5.90	11.50	50.00
TM.TD.M2.6.045.ITK	M2.6	M2.6x0.45; 2xD	0.45	Ø2.15	Ø2.07	Ø6.00	Ø3.20	0.45	5.40	6.60	12.00	50.00
TM.TD.M2.6.035.ITK	M2.6	M2.6x0.35; 2xD	0.35	Ø2.25	Ø2.17	Ø6.00	Ø3.20	0.35	5.30	6.30	12.00	50.00
TM.TD.M3.050.ITK	M3	M3x0.5; 2xD	0.50	Ø2.50	Ø2.40	Ø8.00	Ø4.50	0.50	6.00	7.30	15.00	68.00
TM.TD.M3.035.ITK	M3	M3x0.35; 2xD	0.35	Ø2.65	Ø2.55	Ø8.00	Ø4.50	0.35	6.00	7.10	15.00	68.00
TM.TD.M3.5.060.ITK	M3.5	M3.5x0.6; 2xD	0.60	Ø2.90	Ø2.78	Ø8.00	Ø4.50	0.60	7.20	8.80	15.00	68.00
TM.TD.M3.5.035.ITK	M3.5	M3.5x0.35; 2xD	0.35	Ø3.15	Ø3.03	Ø8.00	Ø4.50	0.35	7.00	8.20	15.00	68.00
TM.TD.M4.070.ITK	M4	M4x0.7; 2xD	0.70	Ø3.30	Ø3.16	Ø8.00	Ø4.50	0.70	7.70	9.50	17.00	68.00
TM.TD.M4.050.ITK	M4	M4x0.5; 2xD	0.50	Ø3.50	Ø3.36	Ø8.00	Ø4.50	0.50	8.10	9.50	17.00	68.00
TM.TD.M4.5.075.ITK	M4.5	M4.5x0.75; 2xD	0.75	Ø3.75	Ø3.60	Ø8.00	Ø5.00	0.75	9.00	10.90	20.00	68.00
TM.TD.M4.5.050.ITK	M4.5	M4.5x0.5; 2xD	0.50	Ø4.00	Ø3.85	Ø8.00	Ø5.00	0.50	9.10	10.60	20.00	68.00
TM.TD.M5.080.ITK	M5	M5x0.8; 2xD	0.80	Ø4.20	Ø4.04	Ø8.00	Ø5.80	0.80	10.40	12.60	22	68.00
TM.TD.M5.050.ITK	M5	M5x0.5; 2xD	0.50	Ø4.50	Ø4.34	Ø8.00	Ø5.80	0.5	10.10	11.80	22	68.00
TM.TD.M6.120.ITK	M6	M6x1; 2xD	1.00	Ø5.00	Ø4.80	Ø10.00	Ø6.60	1.00	12.10	14.60	26.00	84.00
TM.TD.M6.075.ITK	M6	M6x0.75; 2xD	0.75	Ø5.25	Ø5.05	Ø10.00	Ø6.60	0.75	12.10	14.30	26.00	84.00
TM.TD.M6.050.ITK	M6	M6x0.5; 2xD	0.50	Ø5.50	Ø5.30	Ø10.00	Ø6.60	0.5	12.10	14.00	26.00	84.00
TM.TD.M7.100.ITK	M7	M7x1; 2xD	1.00	Ø6.00	Ø5.77	Ø10.00	Ø8.00	1.00	14.10	16.80	30	84.00
TM.TD.M7.075.ITK	M7	M7x0.75; 2xD	0.75	Ø6.25	Ø6.02	Ø10.00	Ø8.00	0.75	14.30	16.70	30	84.00
TM.TD.M8.125.ITK	M8	M8x1.25; 2xD	1.25	Ø6.75	Ø6.50	Ø12.00	Ø9.00	1.25	16.30	19.60	33.00	101.00
TM.TD.M8.100.ITK	M8	M8x1; 2xD	1.00	Ø7.00	Ø6.75	Ø12.00	Ø9.00	1.00	16.10	19.00	33.00	101.00
TM.TD.M8.075.ITK	M8	M8x0.75; 2xD	0.75	Ø7.25	Ø7.00	Ø12.00	Ø9.00	0.75	15.80	18.40	33.00	101.00
TM.TD.M8.050.ITK	M8	M8x0.5; 2xD	0.50	Ø7.50	Ø7.25	Ø12.00	Ø9.00	0.50	16.10	18.40	33.00	101.00

Delivery time: 3-4 weeks

60° thread whirler

from M1
to M2.5

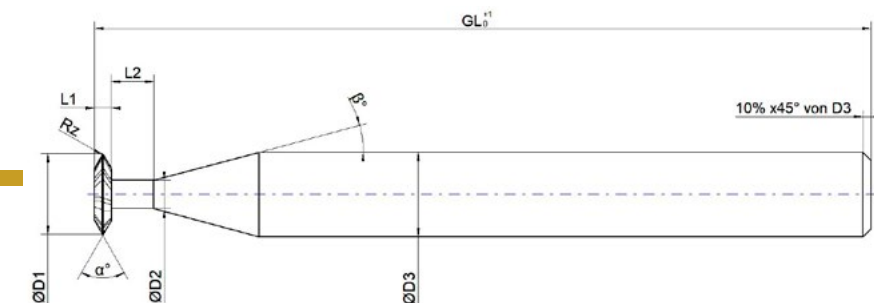
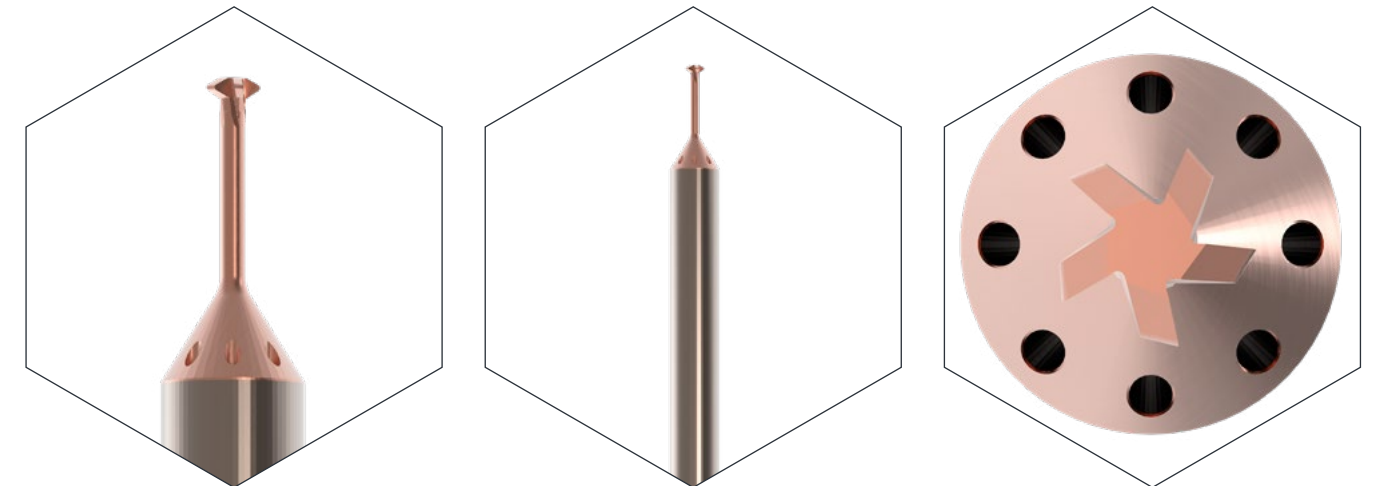
Z5 from M1

Integrated cooling channels protect the tool from overheating and flush away the chips.

The high-performance α -INOX coating guarantees a long tool life and prevents the cutting edges from sticking.

The reinforced shank in h5 quality combined with an optimized effective length makes the tool robust and vibration-free.

High feed and cutting speeds are made possible by the use of ultra-fine grain solid carbide with high fracture toughness.



☐ Inquiry

☐ Order

Order number: _____

Other: _____

Dimensions:

D₁: _____ GL: _____ α : _____
D₂: _____ L₁: _____ β : _____
D₃: _____ L₂: _____ R_Z: _____
Z: _____

Coating:

☐ Coated*: _____

☐ Uncoated

Cooling channels:

☐ Yes ☐ No

Cutting direction:

☐ Left ☐ Right

Material to be machined:

Shank shape:

Quantity:

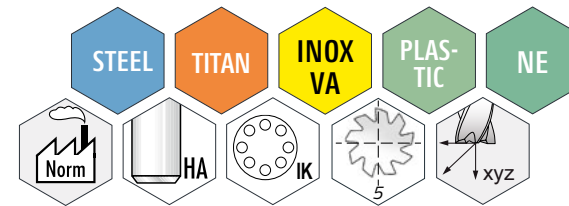
Date, signature & company stamp:

Contact person:

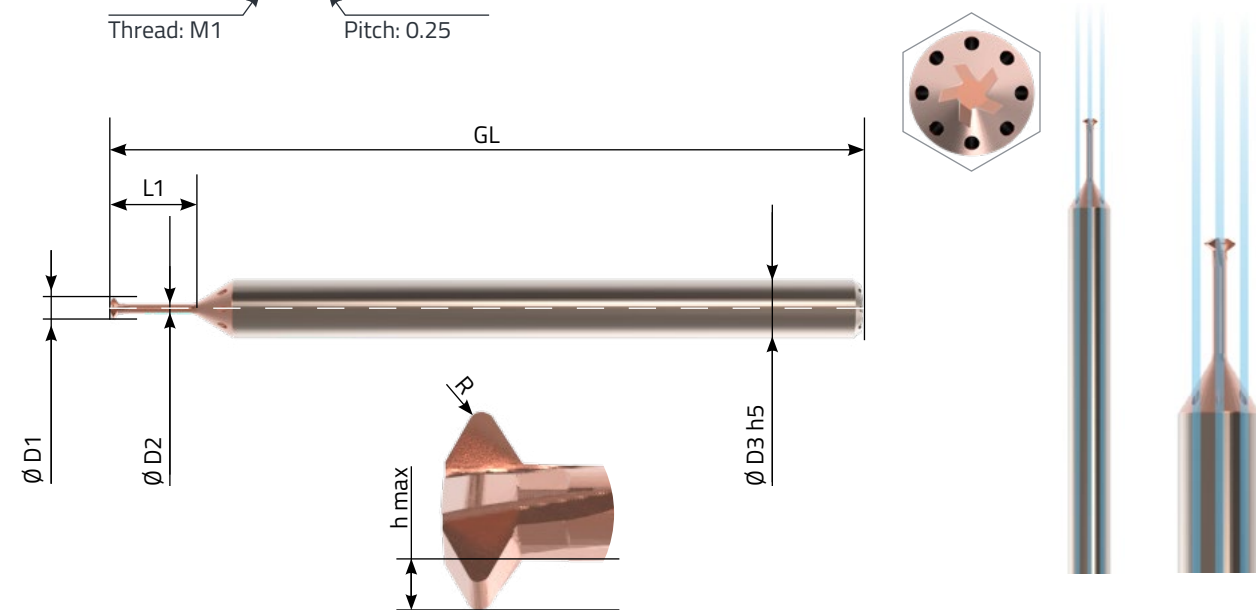
* Without further information, the most suitable coating will be used.



60° thread whirler

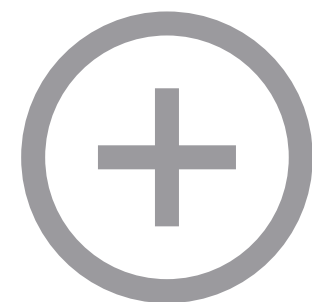


ACTIONMILL
whirl-thread
AM.WT.100.025.IK ← Integrated cooling
Thread: M1 Pitch: 0.25



5 PRO's of the ACTIONMILL:

- Five cutting edges from M1
- Integrated cooling prevents chip accumulation
- Very high feed rates possible
- Short process times and high process reliability
- Very long tool life



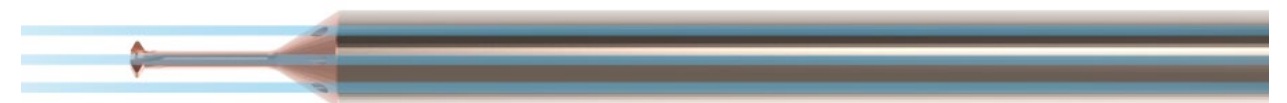
Online shop



Article number	Internal thread mill M 60°	h max (mm)	D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	R (mm)	GL (mm)	Z	Pitch range
AM.WT.100.025.IK	M1x0.25	0.17	Ø 0.74	Ø 0.36	Ø 4.00	3.00	0.04	40.00	5	0.20-0.25
AM.WT.120.025.IK	M1.2x0.25	0.20	Ø 0.90	Ø 0.46	Ø 4.00	3.50	0.04	40.00	5	0.20-0.25-0.3
AM.WT.140.030.IK	M1.4x0.3	0.25	Ø 1.00	Ø 0.46	Ø 4.00	3.50	0.04	40.00	5	0.20-0.25-0.35
AM.WT.160.035.IK	M1.6x0.35	0.28	Ø 1.20	Ø 0.60	Ø 4.00	4.00	0.05	40.00	5	0.35-0.40
AM.WT.180.035.IK	M1.8x0.35	0.33	Ø 1.35	Ø 0.65	Ø 4.00	4.00	0.05	40.00	5	0.35-0.40-0.45
AM.WT.200.040.IK	M2x0.40	0.37	Ø 1.50	Ø 0.72	Ø 4.00	4.00	0.06	40.00	5	0.35-0.40-0.45
AM.WT.250.045.IK	M2.5x0.45	0.40	Ø 1.90	Ø 1.06	Ø 4.00	6.00	0.06	40.00	5	0.4-0.45-0.50

Available from stock

■ α-INOX coated

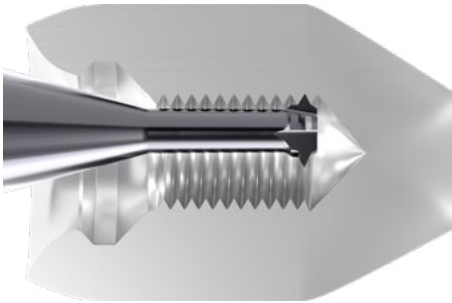


Single-profile and micro thread mills

TECHNICAL DATA

High-quality tools for thread milling in small parts

WhizThrill single-profile and micro thread mills are the best precision tools for producing fine threads in small components. With their precise cutting geometry and minimal cutting pressure, these thread mills ensure exceptional accuracy and consistency in every operation



BENEFITS

- Innovative shank design: Offers increased stability.
- High-quality coated carbide grade (B9): Ensures extra sharp cutting edges.
- Versatile thread milling options: Enables threading down to M1 (full profile) and M0.5 (partial profile) with minimal cutting forces, resulting in an excellent surface finish and extended tool life.
- Optimized exit angle: The 15° exit angle to the full diameter often allows shorter thread mills to be selected, which is particularly useful when threading dental implants.
- Custom solutions available: Special designs, micro thread mills with single or double deburring and additional flutes can be provided on request.

WHIZGUIDE

CHOOSE THE IDEAL MICRO THREAD MILL

1

WHEN TO USE A SINGLE-FLUTE THREAD MILL

- Ideal for milling micro or extra-long threads, as it minimizes cutting forces and thus ensures excellent thread quality and straightness.
- Perfect for milling hard materials, as it significantly reduces chatter.
- Suitable for different thread profiles, so that various thread types can be machined.

2

PARTIAL PROFILE VS. FULL PROFILE

- Partial profile: Best suited for long threads, harder materials and unstable machining conditions. This tool can be used for several thread sizes.
- Full profile: Essential when tight tolerances for outer and core diameter are required. It improves the quality of the thread form compared to the partial profile.

3

GRADES VS. MATERIAL

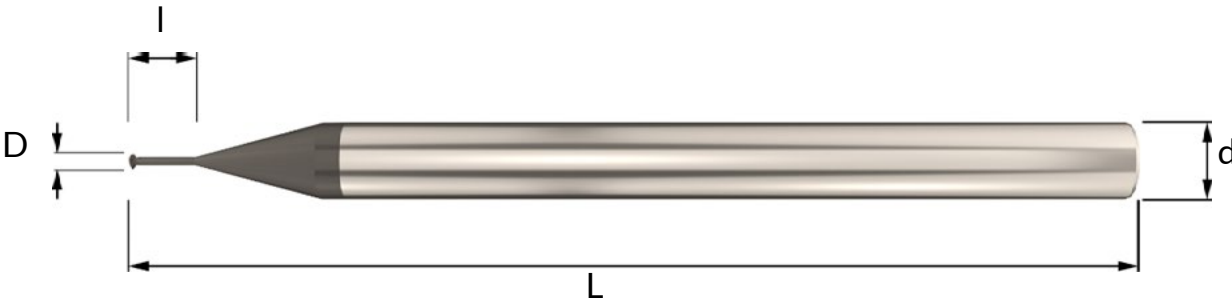
- WhizThrill uncoated grade 9M: A submicron carbide ISO K20-K30 that performs exceptionally well in soft materials.
- B9 coating: An AlCrN coating that provides additional cutting edge sharpness. Compared to an uncoated thread mill, tool life is extended 4 to 5 times when cutting titanium or stainless steel.

4

DETERMINE LENGTHS

- Always choose the shortest possible tool, as micro thread mills lose considerable rigidity with increasing length.
- WhizThrill has an exit angle of 15° from the core dimension (D) to the shank (d). If possible, create the chamfer before thread milling in order to calculate the thread length exactly from the end.

THREAD MILL TABLE



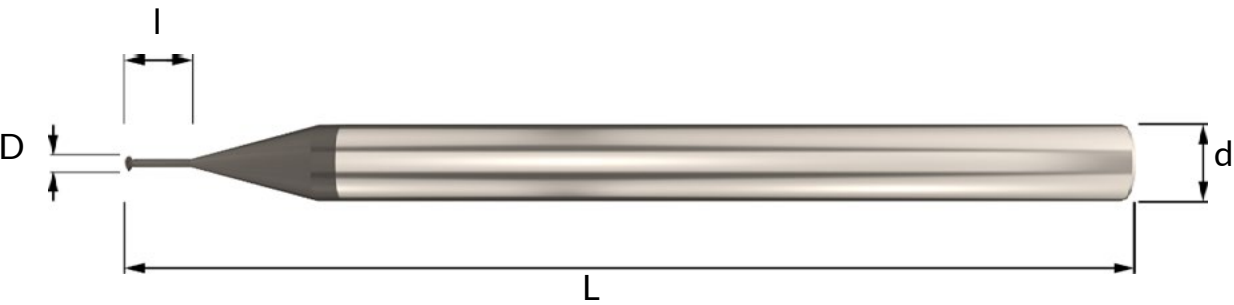
PARTIAL-PROFILE MICRO THREAD MILLS | NS

Thread mills	M coarse	M fine	S&UNM	UNCUNF	I	D	d	Flutes	L	9M	A9	B9
NS03003C1.3 P60	M0.5	M0.5	0.5	#000-160	1.3	0.36	3	3	39	o	-	•
NS03004C1.5 P60	M0.6	M0.6	0.6		1.5	0.43	3	3	39	o	-	•
NS03005C1.4 P60	M0.8	M0.8	0.8	#000-120	1.4	0.57	3	3	39	o	-	•
NS03005C2.0 P60	M0.8	M0.8	0.8	#000-120	2	0.57	3	3	39	o	-	•
NS03005C2.7 P60	M0.8	M0.8	0.8	#000-120	2.7	0.57	3	3	39	o	-	•
NS03005C3.5 P60	M0.8	M0.8	0.8	#000-120	3.5	0.57	3	3	39	o	-	o
NS03007C1.1 P60	M1.0	M1.0	1		1.1	0.71	3	3	39	o	-	•
NS03007C1.7 P60	M1.0	M1.0	1		1.7	0.71	3	3	39	o	-	•
NS03007C2.1 P60	M1.0	M1.0	1		2.1	0.71	3	3	39	o	-	•
NS03007C2.5 P60	M1.0	M1.0	1		2.5	0.71	3	3	39	o	-	•
NS03007C3.2 P60	M1.0	M1.0	1		3.2	0.71	3	3	39	o	-	•
NS03009C2.0 P60	M1.2	M1.2	1.2	#00-95<	2	0.91	3	3	39	o	-	•
NS03009C2.9 P60	M1.2	M1.2	1.2	#00-95<	2.9	0.91	3	3	39	o	-	•
NS03009C3.9 P60	M1.2	M1.2	1.2	#00-95<	3.9	0.91	3	3	39	o	-	•
NS03010C2.2 P60	M1.4	M1.4	1.4		2.2	1.05	3	3	39	o	-	•
NS03010C3.3 P60	M1.4	M1.4	1.4		3.3	1.05	3	3	39	o	-	•
NS03010C4.4 P60	M1.4	M1.4	1.4		4.4	1.05	3	3	39	o	-	•
NS03011D2.5 P60	M1.6	M1.4X0.2		#0-80	2.5	1.18	3	4	39	o	-	•
NS03011D3.6 P60	M1.6	M1.4X0.2		#0-80	3.6	1.18	3	4	39	o	-	•
NS03011D5.1 P60	M1.6	M1.4X0.2		#0-80	5.1	1.18	3	4	39	o	-	•
NS03013D2.8 P60	M1.8	M1.6X0.2		#1	2.8	1.39	3	4	39	o	-	•
NS03013D4.2 P60	M1.8	M1.6X0.2		#1	4.2	1.39	3	4	39	o	-	•
NS03013D5.6 P60	M1.8	M1.6X0.2		#1	5.6	1.39	3	4	39	o	-	•
NS03015D3.2 P60	M2.0	M1.8		#2	3.2	1.54	3	4	39	o	-	•
NS03015D3.8 P60	M2.0	M1.8		#2	3.8	1.54	3	4	39	o	-	•
NS03015D4.6 P60	M2.0	M1.8		#2	4.6	1.54	3	4	39	o	-	•
NS03015D5.4 P60	M2.0	M1.8		#2	5.4	1.54	3	4	39	o	-	•
NS03015D6.2 P60	M2.0	M1.8		#2	6.2	1.54	3	4	39	o	-	•
NS03019D4.3 P60	M2.5	M2.2X0.25		#3	4.3	1.93	3	4	39	o	-	•
NS03019D6.2 P60	M2.5	M2.2X0.25		#3	6.2	1.93	3	4	39	o	-	•
NS03021D4.9 P60		M2.5		#4	4.9	2.12	3	4	39	o	-	•
NS03021D7.1 P60		M2.5		#4	7.1	2.12	3	4	39	o	-	•
NS03023D5.4 P60	M3	M3		#5	5.4	2.38	3	4	39	o	-	•
NS03023D7.8 P60	M3	M3		#5	7.8	2.38	3	4	39	o	-	•
NS03026D6.1 P60	M3.5	M3		#6	6.1	2.62	3	4	39	o	-	•
NS03026D8.7 P60	M3.5	M3		#6	8.7	2.62	3	4	39	o	-	•
NS0303D7.1 P60	M4	M3.5-M4		#8	7.1	3	3	4	39	o	-	•
NS0303D10.2 P60	M4	M3.5-M4		#8	10.2	3	3	4	39	o	-	•
NS04036D8.3 P60	M4.5	M4.5		#10	8.3	3.65	4	4	51	o	-	•
NS04036D12.0 P60	M4.5	M4.5		#10	12	3.65	4	4	51	o	-	•
NS0404D10.0 P60	M5-M6	M5-M6		#12-1/4	10	4	4	4	51	o	-	•
NS0404D14.5 P60	M5-M6	M5-M6		#12-1/4	14.5	4	4	4	51	o	-	•
NS06045D13 P60 A9	M6 (2XD)	M6		5/16 - 3/8	13	4.5	6	4	63	-	•	-
NS06045D19 P60 A9	M6 (3XD)	M6		5/16 - 3/8	19	4.5	6	4	76	-	•	-
NS0606E17 P60 A9	M8 (2XD)	M8		7/16 - 1/2	17.3	6	6	5	63	-	•	-
NS0606E25 P60 A9	M8 (3XD)	M8		7/16 - 1/2	25.3	6	6	5	76	-	•	-

• Available from stock o Delivery on request, - Not available

Single-profile and micro thread mills

THREAD MILL TABLE

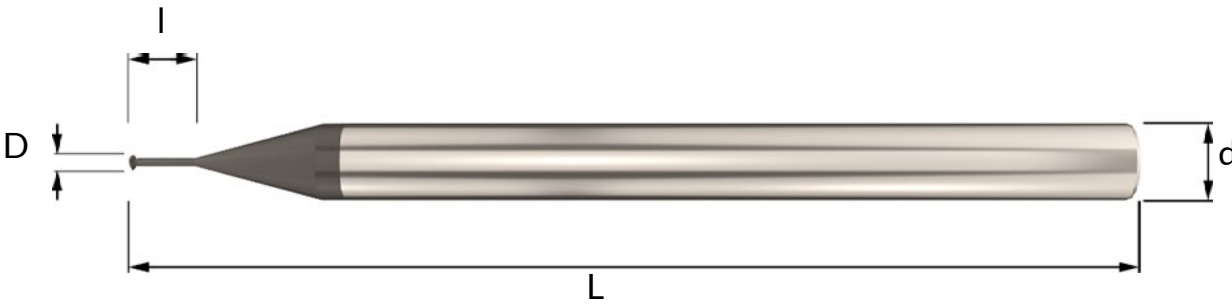


FULL-PROFILE MICRO THREAD MILLS ISO | NT-ISO M

Thread mills	M coarse	Pitch	d	D	Flutes	I	L	9M	B9
NT03007C1.7-0.25ISO	M1.0	0.25	3	0.72	3	1.7	39	o	•
NT03007C2.5-0.25ISO	M1.0	0.25	3	0.72	3	2.5	39	o	•
NT03007C3.5-0.25ISO	M1.0	0.25	3	0.72	3	3.5	39	o	•
NT03009C2.0-0.25ISO	M1.2	0.25	3	0.92	3	2	39	o	•
NT03009C2.9-0.25ISO	M1.2	0.25	3	0.92	3	2.9	39	o	•
NT03009C3.9-0.25ISO	M1.2	0.25	3	0.92	3	3.9	39	o	•
NT03010C2.3-0.3ISO	M1.4	0.3	3	1.06	3	2.3	39	o	•
NT03010C3.3-0.3ISO	M1.4	0.3	3	1.06	3	3.3	39	o	•
NT03010C4.4-0.3ISO	M1.4	0.3	3	1.06	3	4.4	39	o	•
NT03011D2.5-0.35ISO	M1.6	0.35	3	1.2	4	2.5	39	o	•
NT03011D3.6-0.35ISO	M1.6	0.35	3	1.2	4	3.6	39	o	•
NT03011D5.1-0.35ISO	M1.6	0.35	3	1.2	4	5.1	39	o	•
NT03013D2.8-0.35ISO	M1.8	0.35	3	1.4	4	2.8	39	o	•
NT03013D4.2-0.35ISO	M1.8	0.35	3	1.4	4	4.2	39	o	•
NT03013D5.6-0.35ISO	M1.8	0.35	3	1.4	4	5.6	39	o	•
NT03015D3.2-0.4ISO	M2.0	0.4	3	1.55	4	3.2	39	o	•
NT03015D4.7-0.4ISO	M2.0	0.4	3	1.55	4	4.7	39	o	•
NT03015D6.2-0.4ISO	M2.0	0.4	3	1.55	4	6.2	39	o	•

• Available from stock o Delivery on request, - Not available

THREAD MILL TABLE



FULL-PROFILE MICRO THREAD MILLS S/UNM | NT-ISO S

Thread mills	ISO S-1501	UNM	Pitch	d	D	Flutes	I	L	9M	B9
NT03007C2.5-S1.0UNM	S1.0	1.00 UNM	0.25	3	0.73	3	2.5	39	o	•
NT03009C2.9-S1.2UNM	S1.2	1.20 UNM	0.25	3	0.93	3	2.9	39	o	•
NT03010C3.3-S1.4UNM	S1.4	1.40 UNM	0.3	3	1.08	3	3.3	39	o	•

• Available from stock o Delivery on request, - Not available

FULL-PROFILE MICRO THREAD MILLS UN | NT-UN

Thread mills	UNC UNF	#	TPI	d	D	Flutes	I	L	9M	B9
NT03011C3.3-80UN	UNF	NO. 0	80	3	1.16	3	3.3	39	o	•
NT03014D4.4-72UN	UNF	NO. 1	72	3	1.45	4	4.4	39	o	•
NT03014D4.4-64UN	UNC	NO. 1	64	3	1.41	4	4.4	39	o	•
NT03017D5.2-64UN	UNF	NO. 2	64	3	1.74	4	5.2	39	o	•
NT03016D5.2-56UN	UNC	NO. 2	56	3	1.68	4	5.2	39	o	•

• Available from stock o Delivery on request, - Not available

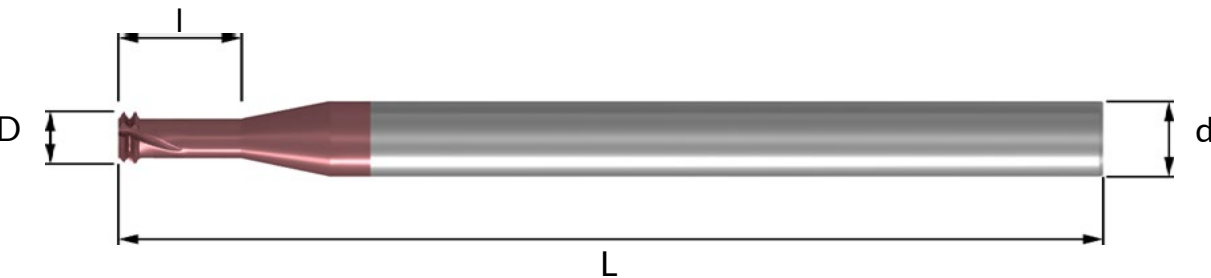
Multi-flute thread mills

TECHNICAL DATA

Reduce tool pressure with the WHIZTHRILL

When it comes to milling deep threads or machining hard materials, tool deflection can be a significant challenge. Using a two-flute thread mill not only reduces tool pressure but also ensures the production of high-quality threads. WhizCut offers a comprehensive range of ISO-certified two-flute thread mills that handle even the most difficult tasks with ease.

THREAD MILL TABLE



TWO-FLUTE THREAD MILLS ISO | NM

Thread mills	Pitch	M coarse	M fine	d	D	Flutes	I	L	Stock
NM04015D4 0.4ISO A9	0.4	M2 (2XD)		4	1.5	4	4.4	50	●
NM04015D6 0.4ISO A9	0.4	M2 (3XD)		4	1.5	4	6.4	50	●
NM04016D5 0.45ISO A9	0.45	M2.2 (2XD)		4	1.65	4	5	50	●
NM04016D7 0.45ISO A9	0.45	M2.2 (3XD)		4	1.65	4	7.1	50	●
NM04019D5 0.45ISO A9	0.45	M2.5 (2XD)		4	1.9	4	5.5	50	●
NM04019D8 0.45ISO A9	0.45	M2.5 (3XD)		4	1.9	4	8	50	●
NM04023E6 0.5ISO A9	0.5	M3 (2XD)		4	2.3	5	6.5	50	●
NM04023E9 0.5ISO A9	0.5	M3 (3XD)		4	2.3	5	9.5	50	●
NM04026E7 0.6ISO A9	0.6	M3.5 (2XD)		4	2.6	5	7.6	50	●
NM04026E11 0.6ISO A9	0.6	M3.5 (3XD)		4	2.6	5	11.1	50	●
NM0403E9 0.7ISO A9	0.7	M4 (2XD)		4	3	5	9	50	●
NM0403E13 0.7ISO A9	0.7	M4 (3XD)		4	3	5	13	50	●
NM04034E10 0.75ISO A9	0.75	M4.5 (2XD)		4	3.4	5	10	50	●
NM04034E14 0.75ISO A9	0.75	M4.5 (3XD)		4	3.4	5	14.3	50	●
NM04038E11 0.8ISO A9	0.8	M5 (2XD)		4	3.8	5	11	50	●
NM04038E16 0.8ISO A9	0.8	M5 (3XD)		4	3.8	5	16	50	●
NM06045E13 1.0ISO A9	1	M6 (2XD)		6	4.5	5	13	63	●
NM06045E19 1.0ISO A9	1	M6 (3XD)		6	4.5	5	19	76	●
NM0606E17 1.25ISO A9	1.25	M8 (2XD)		6	6	5	17.3	63	●
NM0606E25 1.25ISO A9	1.25	M8 (3XD)		6	6	5	25.3	76	●

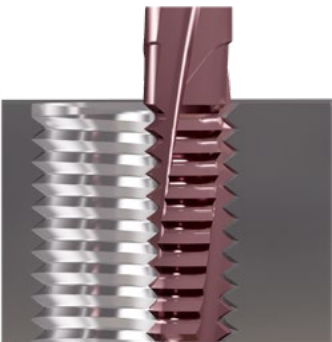
● Available from stock ○ Delivery on request, - Not available

Thread milling and deburring

TECHNICAL DATA

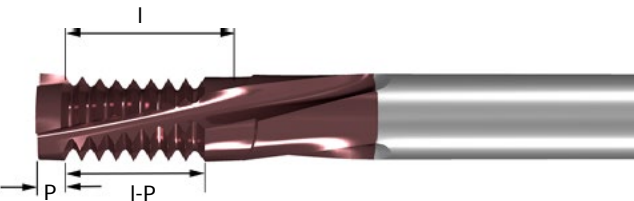
Reduce tool pressure with the WHIZTHRILL

When it comes to milling deep threads or machining hard materials, tool deflection can be a significant challenge. Using a two-flute thread mill not only reduces tool pressure but also ensures the production of high-quality threads. WhizCut offers a comprehensive range of ISO-certified two-flute thread mills that handle even the most difficult tasks with ease.



CUSTOM THREAD MILLS

If you need a thread mill with dimensions outside the WhizCut standard range, we are here for you. For a small fee, we can modify a standard thread mill to your specified length or grind a unique shape, e.g. a conical thread mill for bone plates



VIBRATION-FREE THREAD MILLS

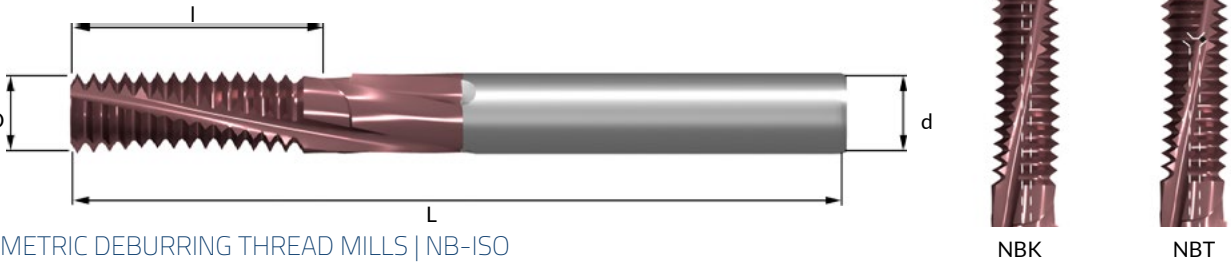
WhizThrill vibration-free thread mills are designed to maintain constant tool pressure throughout the entire threading process, ensuring superior performance and precision.

By integrating flutes and varying the helix angle between 12° and 18°, these thread mills achieve perfectly vibration-free operation. The additional flutes also help to shorten cycle times, making your threading operations more efficient.

BENEFITS

- Save time: Deburring is integrated into the thread milling process, eliminating a separate deburring operation.
- Improved thread quality: High-quality carbide and coatings ensure an excellent surface finish and long tool life.
- Vibration-free: Most WhizThrill thread mills are available vibration-free, which improves part quality as well as tool life and machining time.
- Flexibility: From M1-M42, 0.4-4 mm pitch and a wide choice of thread types: NPT, NPTF and Whitworth.
- Cooling: Choice of straight and radial coolant supply available.

THREAD MILL TABLE

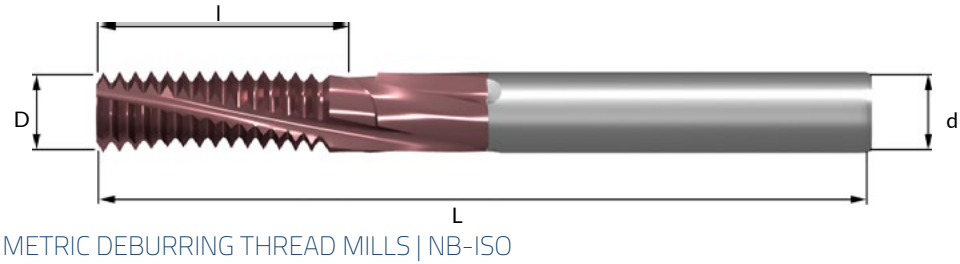


METRIC DEBURRING THREAD MILLS | NB-ISO

Thread mills	Pitch	M coarse	M fine	Vibration-free	Coolant	d mm	D mm	Flutes	I mm	Lmm	Stock
NB04015C3 0.4ISO A9	0.4	M2 (1.5XD)				4	1.5	3	3.4	50	●
NB04015C4 0.4ISO A9	0.4	M2 (2XD)				4	1.5	3	4.6	50	●
NB04016C3 0.45ISO A9	0.45	M2.2 (1.5XD)				4	1.65	3	3.82	50	●
NB04016C5 0.45ISO A9	0.45	M2.2 (2XD)		●		4	1.65	3	5.17	50	●
NB04019C4 0.45ISO A9	0.45	M2.5 (1.5XD)				4	1.9	3	4.27	50	●
NB04019C5 0.45ISO A9	0.45	M2.5 (2XD)				4	1.9	3	5.62	50	●
NB04023C5 0.5ISO A9	0.5	M3 (1.5XD)	≥ M3.5			4	2.3	3	5.25	50	●
NB04023E5 0.5ISO A9	0.5	M3 (1.5XD)	≥ M3.5	●		4	2.3	5	5.25	50	●
NB06023C5 0.5ISO A9	0.5	M3 (1.5XD)	≥ M3.5			6	2.3	3	5.25	63	●
NB04023C6 0.5ISO A9	0.5	M3 (2XD)	≥ M3.5			4	2.3	3	6.75	50	●
NB04023D6 0.5ISO A9	0.5	M3 (2XD)	≥ M3.5	●		4	2.3	4	6.75	50	●
NB06023C6 0.5ISO A9	0.5	M3 (2XD)	≥ M3.5			6	2.3	3	6.75	63	●
NB04023C8 0.5ISO A9	0.5	M3 (2.5XD)	≥ M3.5	●		4	2.3	3	8.25	50	●
NB06023C8 0.5ISO A9	0.5	M3 (2.5XD)	≥ M3.5	●		6	2.3	3	8.25	63	●
NB04038C10 0.5ISO A9	0.5		≥ M5			4	3.8	3	10.75	50	●
NB06038C10 0.5ISO A9	0.5		≥ M5			6	3.8	3	10.75	63	●
NB04026C6 0.6ISO A9	0.6	M3.5 (1.5XD)				4	2.6	3	6.3	50	●
NB04026C8 0.6ISO A9	0.6	M3.5 (2XD)				4	2.6	3	8.1	50	●
NB0403C7 0.7ISO A9	0.7	M4 (1.5XD)				4	3	3	7.35	50	●
NB0403E7 0.7ISO A9	0.7	M4 (1.5XD)		●		4	3	5	7.35	50	●
NB0603C7 0.7ISO A9	0.7	M4 (1.5XD)				6	3	3	7.35	63	●
NB0403C8 0.7ISO A9	0.7	M4 (2XD)				4	3	3	8.75	50	●
NB0403D8 0.7ISO A9	0.7	M4 (2XD)		●		4	3	4	8.75	50	●
NB0603C8 0.7ISO A9	0.7	M4 (2XD)				6	3	3	8.75	63	●
NB0403C10 0.7ISO A9	0.7	M4 (2.5XD)		●		4	3	3	10.85	50	●
NB0603C10 0.7ISO A9	0.7	M4 (2.5XD)		●		6	3	3	10.85	63	●
NB04034C7 0.75ISO A9	0.75	M4.5 (1.5XD)	≥ M5			4	3.4	3	7.87	50	●
NB04034C10 0.75ISO A9	0.75	M4.5 (2XD)	≥ M5			4	3.4	3	10.12	50	●
NB06045C10 0.75ISO A9	0.75		≥ M6			6	4.5	3	10.87	63	●
NB06045C16 0.75ISO A9	0.75		≥ M6	●		6	4.5	3	16.87	63	●
NB06048E10 0.75ISO A9	0.75		≥ M6	●		6	4.8	5	10.87	63	●
NBK04038C8 0.8ISO A9	0.8	M5 (1.5XD)			THROUGH	4	3.8	3	8.4	50	●
NB04038C8 0.8ISO A9	0.8	M5 (1.5XD)				4	3.8	3	8.4	50	●
NB04038E8 0.8ISO A9	0.8	M5 (1.5XD)		●		4	3.8	5	8.4	50	●
NB06038C8 0.8ISO A9	0.8	M5 (1.5XD)				6	3.8	3	8.4	63	●
NBK04038C10 0.8ISO A9	0.8	M5 (2XD)			THROUGH	4	3.8	3	10.8	50	●
NB04038C10 0.8ISO A9	0.8	M5 (2XD)				4	3.8	3	10.8	50	●
NB04038D10 0.8ISO A9	0.8	M5 (2XD)		●		4	3.8	4	10.8	50	●
NB06038C10 0.8ISO A9	0.8	M5 (2XD)				6	3.8	3	10.8	63	●
NBK04038C13 0.8ISO A9	0.8	M5 (2.5XD)		●	THROUGH	4	3.8	3	13.2	50	●
NB04038C13 0.8ISO A9	0.8	M5 (2.5XD)		●		4	3.8	3	13.2	50	●
NB06038C13 0.8ISO A9	0.8	M5 (2.5XD)				6	3.8	3	13.2	63	●
NBK06045C10 1.0ISO A9	1	M6 (1.5XD)	≥ M8		THROUGH	6	4.5	3	10.5	63	●
NB06045C10 1.0ISO A9	1	M6 (1.5XD)	≥ M8			6	4.5	3	10.5	63	●

● Available from stock ◦ Delivery on request, - Not available

THREAD MILL TABLE

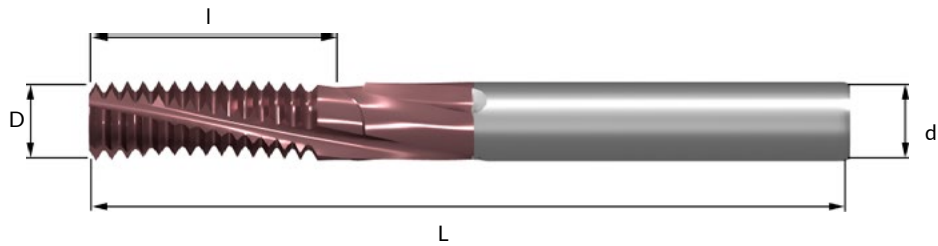


METRIC DEBURRING THREAD MILLS | NB-ISO

Thread mills	Pitch	M coarse	M fine	Vibration-free	Coolant	d mm	D mm	Flutes	I mm	Lmm	Stock
NB06045E10 1.0ISO A9	1	M6 (1.5XD)	≥ M8	●		6	4.5	5	10.5	63	●
NBK06045C13 1.0ISO A9	1	M6 (2XD)	≥ M8		THROUGH	6	4.5	3	13.5	63	●
NB06045C13 1.0ISO A9	1	M6 (2XD)	≥ M8			6	4.5	3	13.5	63	●
NB06045D13 1.0ISO A9	1	M6 (2XD)	≥ M8	●		6	4.5	4	13.5	63	●
NBK06045C16 1.0ISO A9	1	M6 (2.5XD)	≥ M8	●	THROUGH	6	4.5	3	16.5	63	●
NB06045C16 1.0ISO A9	1	M6 (2.5XD)	≥ M8	●		6	4.5	3	16.5	63	●
NB06045C19 1.0ISO A9	1	M6 (3XD)	≥ M8	●		6	4.5	3	19.5	63	●
NB0606C10 1.0ISO A9	1		≥ M8			6	6	3	10.5	63	●
NB0606C13 1.0ISO A9	1		≥ M8			6	6	3	13.5	63	●
NB0606E14 1.0ISO A9	1		≥ M8	●		6	6	5	14.5	63	●
NBK0606C14 1.25ISO A9	1.25	M8 (1.5XD)	≥ M10		THROUGH	6	6	3	14.37	63	●
NB0606C14 1.25ISO A9	1.25	M8 (1.5XD)	≥ M10			6	6	3	14.37	63	●
NB0606E14 1.25ISO A9	1.25	M8 (1.5XD)	≥ M10	●		6	6	5	14.37	63	●
NBK0606C18 1.25ISO A9	1.25	M8 (2XD)	≥ M10		THROUGH	6	6	3	18.12	63	●
NBT0606C18 1.25ISO A9	1.25	M8 (2XD)	≥ M10			6	6	3	18.12	76	●
NB0606C18 1.25ISO A9	1.25	M8 (2XD)	≥ M10			6	6	3	18.12	63	●
NB0606D18 1.25ISO A9	1.25	M8 (2XD)	≥ M10	●		6	6	4	18.12	63	●
NBK0606C21 1.25ISO A9	1.25	M8 (2.5XD)	≥ M10	●	THROUGH	6	6	3	21.87	63	●
NB0606C21 1.25ISO A9	1.25	M8 (2.5XD)	≥ M10	●		6	6	3	21.87	63	●
NB0606C25 1.25ISO A9	1.25	M8 (3XD)	≥ M10	●		6	6	3	25.62	76	●

● Available from stock ◦ Delivery on request, - Not available

THREAD MILL TABLE

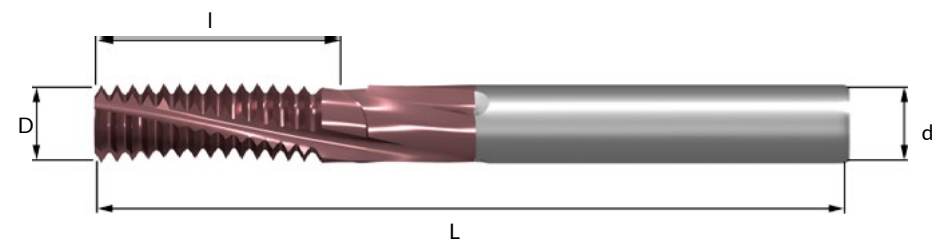


UNIFIED DEBURRING THREAD MILLS | NB-UN

Thread mills	TPI	UNC	UNF	Vibration-free	d	D	Flutes	I	L	Stock
NB04017C3 64UN A9	64		UNF NO.2 (1.5XD)		4	1.7	3	3.77	50	●
NB04017C5 64UN A9	64		UNF NO.2 (2XD)		4	1.7	3	4.96	50	●
NB04016C3 56UN A9	56	UNC NO.2 (1.5XD)			4	1.6	3	3.86	50	●
NB04016C5 56UN A9	56	UNC NO.2 (2XD)		●	4	1.6	3	5.22	50	●
NB04019C4 56UN A9	56		UNF NO.3 (1.5XD)		4	1.9	3	4.31	50	●
NB04019C5 56UN A9	56		UNF NO.3 (2XD)		4	1.9	3	5.67	50	●
NB04019C4 48UN A9	48	UNC NO.3 (1.5XD)			4	1.9	3	4.5	50	●
NB04019C5 48UN A9	48	UNC NO.3 (2XD)			4	1.9	3	5.56	50	●
NB04021C5 48UN A9	48		UNF NO.4 (1.5XD)		4	2.1	3	5.03	50	●
NB04021C6 48UN A9	48		UNF NO.4 (2XD)		4	2.1	3	6.61	50	●
NB04024C5 44UN A9	44		UNF NO.5 (1.5XD)		4	2.4	3	5.48	50	●
NB04024C7 44UN A9	44		UNF NO.5 (2XD)		4	2.4	3	7.22	50	●
NB04021C5 40UN A9	40	UNC NO.4 (1.5XD)			4	2.1	3	5.4	50	●
NB04021C6 40UN A9	40	UNC NO.4 (2XD)			4	2.1	3	6.67	50	●
NB04023C5 40UN A9	40	UNC NO.5 (1.5XD)			4	2.3	3	5.4	50	●
NB04023C7 40UN A9	40	UNC NO.5 (2XD)			4	2.3	3	7.3	50	●
NB04023C8 40UN A9	40	UNC NO.5 (2.5XD)		●	4	2.3	3	8.57	50	●
NB04026C6 40UN A9	40		UNF NO.6 (1.5XD)		4	2.6	3	6.03	50	●
NB04026C8 40UN A9	40		UNF NO.6 (2XD)		4	2.6	3	7.94	50	●
NB04031C7 36UN A9	36		UNF NO.8 (1.5XD)		4	3.1	3	7.41	50	●
NB04031C9 36UN A9	36		UNF NO.8 (2XD)		4	3.1	3	9.53	50	●
NB04025C6 32UN A9	32	UNC NO.6 (1.5XD)			4	2.5	3	6.75	50	●
NB04025C8 32UN A9	32	UNC NO.6 (2XD)		●	4	2.5	3	8.33	50	●
NB04025C10 32UN A9	32	UNC NO.6 (2.5XD)		●	4	2.5	3	9.92	50	●
NB0403C7 32UN A9	32	UNC NO.8 (1.5XD)			4	3	3	7.54	50	●
NB0403C9 32UN A9	32	UNC NO.8 (2XD)			4	3	3	9.13	50	●
NB0403C11 32UN A9	32	UNC NO.8 (2.5XD)		●	4	3	3	11.51	50	●
NB04036C8 32UN A9	32		UNF NO.10 (1.5XD)		4	3.6	3	8.33	50	●
NB04036C10 32UN A9	32		UNF NO.10 (2XD)		4	3.6	3	10.72	50	●
NB0606D13 32UN A9	32				6	6	4	13.1	63	●
NB0404C9 28UN A9	28		UNF NO.12 (1.5XD)		4	4	3	9.52	50	●
NB0404C12 28UN A9	28		UNF NO.12 (2XD)		4	4	3	12.25	50	●
NB0605C10 28UN A9	28		UNF 1/4 (1.5XD)		6	5	3	10.43	63	●
NB0605C14 28UN A9	28		UNF 1/4 (2XD)		6	5	3	14.06	63	●
NB0808D17 28UN A9	28				8	8	4	17.69	63	●
NB04036C9 24UN A9	24	UNC NO.10 (1.5XD)			4	3.6	3	9	50	●
NB04036C11 24UN A9	24	UNC NO.10 (2XD)			4	3.6	3	11.11	50	●
NB04036C13 24UN A9	24	UNC NO.10 (2.5XD)		●	4	3.6	3	13.23	50	●
NB0404C10 24UN A9	24	UNC NO.12 (1.5XD)			4	4	3	10.05	50	●
NB0404C12 24UN A9	24	UNC NO.12 (2XD)			4	4	3	12.17	50	●
NB0404C15 24UN A9	24	UNC NO.12 (2.5XD)		●	4	4	3	15.35	50	●
NB0606C13 24UN A9	24		UNF 5/16 (1.5XD)		6	6	3	13.23	63	●
NB0606C17 24UN A9	24		UNF 5/16 (2XD)		6	6	3	17.46	63	●
NB08076C15 24UN A9	24		UNF 3/8 (1.5XD)		8	7.6	3	15.35	63	●
NB08076C20 24UN A9	24		UNF 3/8 (2XD)		8	7.6	3	20.64	76	●

● Available from stock ◦ Delivery on request, - Not available

THREAD MILL TABLE

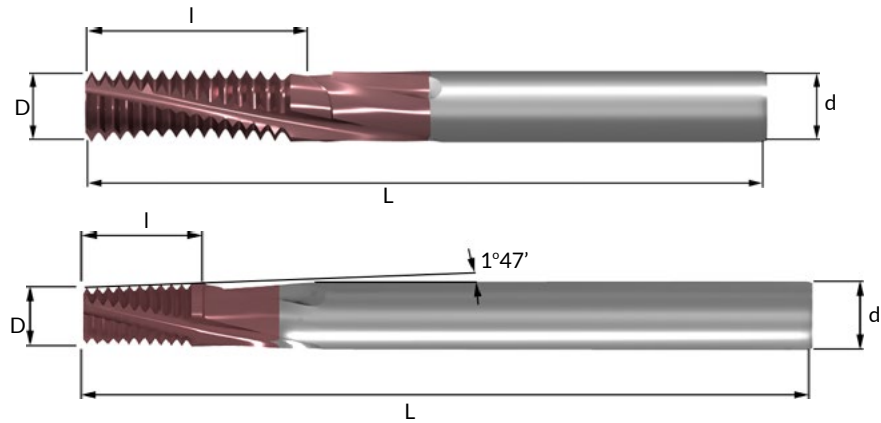


UNIFIED DEBURRING THREAD MILLS | NB-UN

Thread mills	TPI	UNC	UNF	Vibration-free	d	D	Flutes	I	L	Stock
NB06045C10 20UN A9	20	UNC 1/4 (1.5XD)			6	4.5	3	10.8	63	●
NB06045C14 20UN A9	20	UNC 1/4 (2XD)		●	6	4.5	3	14.6	63	●
NB06045C17 20UN A9	20	UNC 1/4 (2.5XD)		●	6	4.5	3	17.15	63	●
NB0808C18 20UN A9	20		UNF 7/16 (1.5XD)		8	8	3	18.41	63	●
NB0808C23 20UN A9	20		UNF 7/16 (2XD)		8	8	3	23.5	76	●
NB1010D21 20UN A9	20		UNF 1/2 (1.5XD)		10	10	4	20.96	76	●
NB1010D27 20UN A9	20		UNF 1/2 (2XD)	●	10	10	4	27.31	76	●
NB1212E28 20UN A9	20			●	12	12	5	28.57	83	●
NB06058C13 18UN A9	18	UNC 5/16 (1.5XD)			6	5.8	3	13.41	63	●
NB06058C17 18UN A9	18	UNC 5/16 (2XD)			6	5.8	3	17.64	63	●
NB06058C21 18UN A9	18	UNC 5/16 (2.5XD)		●	6	5.8	3	21.87	63	●
NB1010D23 18UN A9	18		UNF 9/16 (1.5XD)		10	10	4	23.28	76	●
NB1010D30 18UN A9	18		UNF 9/16 (2XD)	●	10	10	4	30.34	100	●
NB1212D26 18UN A9	18		UNF 5/8 (1.5XD)		12	12	4	26.11	83	●
NB1212D33 18UN A9	18		UNF 5/8 (2XD)	●	12	12	4	33.16	100	●
NB0606C16 16UN A9	16	UNC 3/8 (1.5XD)			6	6	3	16.67	63	●
NB0606C21 16UN A9	16	UNC 3/8 (2XD)		●	6	6	3	21.43	63	●
NB0807C26 16UN A9	16	UNC 3/8 (2.5XD)		●	8	7	3	26.19	76	●
NB1212D31 16UN A9	16	UNF 3/4 (1.5XD)		●	12	12	4	30.96	100	●
NB1212D40 16UN A9	16	UNF 3/4 (2XD)		●	12	12	4	40.48	100	●
NB1616E35 16UN A9	16			●	16	16	5	35.72	100	●
NB0808C19 14UN A9	14	UNC 7/16 (1.5XD)			8	8	3	19.05	63	●
NB0808C24 14UN A9	14	UNC 7/16 (2XD)			8	8	3	24.49	76	●
NB0808C30 14UN A9	14	UNC 7/16 (2.5XD)		●	8	8	3	29.94	76	●
NB1616E35 14UN A9	14		UNF 7/8 (1.5XD)	●	16	16	5	35.38	100	●
NB1616E46 14UN A9	14		UNF 7/8 (2XD)	●	16	16	5	46.26	120	●
NB0808C22 13UN A9	13	UNC 1/2 (1.5XD)			8	8	3	22.47	76	●
NB0808C28 13UN A9	13	UNC 1/2 (2XD)		●	8	8	3	28.33	76	●
NB10093C34 13UN A9	13	UNC 1/2 (2.5XD)		●	10	9.3	3	34.19	100	●
NB1010C24 12UN A9	12	UNC 9/16 (1.5XD)			10	10	3	24.34	76	●
NB1010C30 12UN A9	12	UNC 9/16 (2XD)			10	10	3	30.69	100	●
NB1616E43 12UN A9	12			●	16	16	5	43.39	100	●
NB1010C26 11UN A9	11	UNC 5/8 (1.5XD)			10	10	3	26.55	76	●
NB1010C35 11UN A9	11	UNC 5/8 (2XD)		●	10	10	3	35.79	100	●
NB12117C42 11UN A9	11	UNC 5/8 (2.5XD)		●	12	11.7	3	42.72	100	●
NB1212C31 10UN A9	10	UNC 3/4 (1.5XD)			12	12	3	31.75	100	●
NB1212C41 10UN A9	10	UNC 3/4 (2XD)		●	12	12	3	41.91	100	●
NB1616C38 9UN A9	9	UNC 7/8 (1.5XD)			16	16	3	38.1	100	●
NB1616C49 9UN A9	9	UNC 7/8 (2XD)			16	16	3	49.39	120	●
NB1616C42 8UN A9	8	UNC 1 (1.5XD)			16	16	3	42.86	100	●
NB1616C55 8UN A9	8	UNC 1 (2XD)		●	16	16	3	55.56	120	●
NB2020D49 8UN A9	8			●	20	20	4	49.21	120	●
NB2020C52 7UN A9	7	UNC 1 1/8 - 1 1/4 (1.5XD)			20	20	3	52.61	120	●
NB2525C61 6UN A9	6	UNC 1 3/8 - 1 1/2 (1.5XD)			25	25	3	61.38	130	●

● Available from stock ◦ Delivery on request, - Not available

THREAD MILL TABLE



DEBURRING PIPE THREAD MILLS | XB

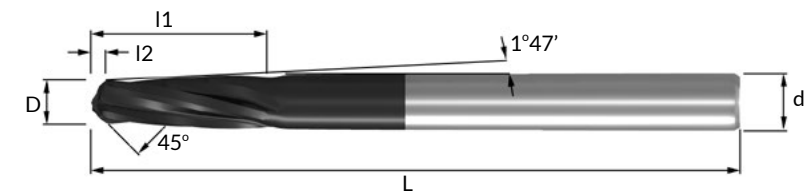
Thread mills	Standard	TPI	Standard	Vibration-free	d	D	Flutes	I	L	Radial cooling	Stock
XB0606C10 28BSPT A9	BSPT	28	RC 1/8		6	6	3	10.43	63		•
XB0808D14 28BSPT A9	BSPT	28	RC 1/8		8	8	4	14.06	63		•
XB0808C15 19BSPT A9	BSPT	19	RC 1/4 - 3/8		8	8	3	15.37	63		•
XB1010D22 19BSPT A9	BSPT	19	RC 1/4 - 3/8		10	10	4	22.06	76		•
XB1212D20 14BSPT A9	BSPT	14	RC 1/2 - 7/8		12	12	4	20.86	83		•
XB1616D31 11BSPT A9	BSPT	11	RC 1 - 2"		16	16	4	31.17	89		•
XB0606C10 27NPT A9	NPT	27	1/16 - 1/8		6	6	3	10.82	63		•
XB0606F10 27NPT A9	NPT	27	1/16 - 1/8	•	6	6	6	10.82	63		•
XB0808C16 18NPT A9	NPT	18	1/4 - 3/8		8	8	3	16.23	63		•
XB0808F16 18NPT A9	NPT	18	1/4 - 3/8	•	8	8	6	16.23	63		•
XB1010D16 18NPT A9	NPT	18	1/4 - 3/8		10	10	4	16.23	76		•
XB1212D22 14NPT A9	NPT	14	1/2 - 3/4		12	12	4	22.68	83		•
XB1212F22 14NPT A9	NPT	14	1/2 - 3/4	•	12	12	6	22.68	83		•
XB1616E22 14NPT A9	NPT	14	3/4		16	16	5	22.68	89		•
XB1616D29 11.5NPT A9	NPT	11.5	1 - 2"		16	16	4	29.82	89		•
XB1616F29 11.5NPT A9	NPT	11.5	1 - 2"	•	16	16	6	29.82	89		•
XB2020D42 8NPT A9	NPT	8	≥ 2 1/2		20	20	4	42.86	100		•
XB0606C10 27NPTF A9	NPTF	27	1/16 - 1/8		6	6	3	10.82	63		•
XB0606C12 27NPSF A9	NPTF	27	1/16 - 1/8		6	6	3	12.7	63		•
XB0808C16 18NPTF A9	NPTF	18	1/4 - 3/8		8	8	3	16.23	63		•
XB0808C16 18NPSF A9	NPTF	18	1/4 - 3/8		8	8	3	16.23	63		•
XB1212D22 14NPTF A9	NPTF	14	1/2 - 3/4		12	12	4	22.68	83		•
XB1212D22 14NPSF A9	NPTF	14	1/2 - 3/4		12	12	4	22.68	83		•
XB1616D29 11.5NPTF A9	NPTF	11.5	1 - 2"		16	16	4	29.82	89		•
XB1616D29 11.5NPSF A9	NPTF	11.5	1"		16	16	4	29.82	89		•
XB2020D42 8NPTF A9	NPTF	8	≥ 2 1/2		20	20	4	42.86	100		•
XB0808C21 20PG A9	PG	20	PG 7		8	8	3	20.96	63		•
XB1010C27 18PG A9	PG	18	PG 9 - 16		10	10	3	27.52	76		•
XB1212D31 16PG A9	PG	16	PG 21 - 48	•	12	12	4	30.96	83		•
XB0606C10 28W A9	W	28	G 1/16 - 1/8		6	6	3	10.43	63		•
XB0606F10 28W A9	W	28	G 1/8	•	6	6	6	10.43	63		•
XB0606C10 28W A9	W	28	G 1/8		6	6	3	10.43	76	•	•
XB0808D14 28W A9	W	28	G 1/8		8	8	4	14.06	63		•
XB0808G14 28W A9	W	28	G 1/8	•	8	8	7	14.06	63		•
XB0808C15 19W A9	W	19	G 1/4 - 3/8		8	8	3	15.37	63		•
XB0808F15 19W A9	W	19	G 1/4 - 3/8	•	8	8	6	15.37	63		•
XB1010D22 19W A9	W	19	G 1/4 - 3/8		10	10	4	22.06	76		•

• Available from stock o Delivery on request, - Not available

Thread mills	Standard	TPI	Standard	Vibration-free	d	D	Flutes	I	L	Radial cooling	Stock
XB1010F22 19W A9	W	19	G 1/4 - 3/8	•	10	10	6	22.06	76		•
XBT1010D22 19W A9	W	19	G 1/4 - 3/8		10	10	4	22.06	100	•	•
XB1212D20 14W A9	W	14	G 1/2 - 7/8		12	12	4	20.86	83		•
XB1212G20 14W A9	W	14	G 1/2 - 7/8	•	12	12	7	20.86	83		•
XB1212D28 14W A9	W	14	G 1/2 - 7/8		12	12	4	28.12	83		•
XBT1212D28 14W A9	W	14	G 1/2 - 7/8		12	12	4	28.12	100	•	•
XB1616E28 14W A9	W	14	G 1/2 - 7/8		16	16	5	28.12	89		•
XB1616G28 14W A9	W	14	G 1/2 - 7/8	•	16	16	7	28.12	89		•
XB1212C26 11W A9	W	11	G 1 - 1 1/2		12	12	3	26.55	83		•
XB1212E26 11W A9	W	11	G 1 - 1 1/2	•	12	12	5	26.55	83		•
XB1616D40 11W A9	W	11	G 1 - 3"	•	16	16	4	40.41	100		•
XBT1616D40 11W A9	W	11	G 1 - 3"	•	16	16	4	40.41	100	•	•
XB2020E49 11W A9	W	11	G ≥ 1	•	20	20	5	49.65	120		•

• Available from stock o Delivery on request, - Not available

THREAD MILL TABLE



NPT FORM MILLS | NPT

Thread mills	Standard	D	d	Flutes	I1	I2	L	Stock
NPT0605D16 F9	NPT/NPTF	6	5	4	16	1	64	•
NPT10085D24 F9	NPT/NPTF	10	8.5	4	24	1.5	76	•
NPT1614D32 F9	NPT/NPTF	16	14	4	32	2	100	•
NPT2017D48 F9	NPT/NPTF	20	17	4	48	3	120	•



ONLINE

WHIZTHRILL SOFTWARE ASSISTANT

WhizCut offers all customers a free program that helps with programming thread milling processes on the CNC machine. The WhizThrill software assistant is a very user-friendly program that recommends the programming for the CNC machine.

The program is updated regularly, so make sure to use the latest version.



"Install and ACTION!"

Because this is exactly what the worry-free cutting tools of the ACTIONDRILL® range make possible! Or tools from the TARGETDRILL® range that hit the target precisely!

High performance down to the last µm!

This way, the cost-benefit factor is perfectly tailored to you. Demanding and innovative high-performance drills of the highest quality require continuity not only in production, but from the entire HB microtec Team!

Repeatable!

This covers the entire process chain, from geometry development and design to the pre-treatment of the cutting edges, coating and finishing of the surfaces right through to the quality assurance of our ACTIONDRILL® and TARGETDRILL®, as well as ACTIONMILL® and TARGETMILL® tools.



What to expect from the entire HB microtec team:

- Innovative specialists in "micro" machining
- State-of-the-art manufacturing equipment and measuring instruments, enabling production in the micron range
- Motivation and passion for challenges
- Repeated precision in the µm range
- Practical service:
the HB microtec team accompanies and supports you in all phases and throughout the entire life cycle of your product
- High tool performance and high service competence
- Ideas for customer-specific solutions, e.g. combination tools that often replace a number of individual tools and shorten machining time
- The highest possible standards of product quality
- Guaranteed series tool reliability and traceability (ISO 9001 certified)



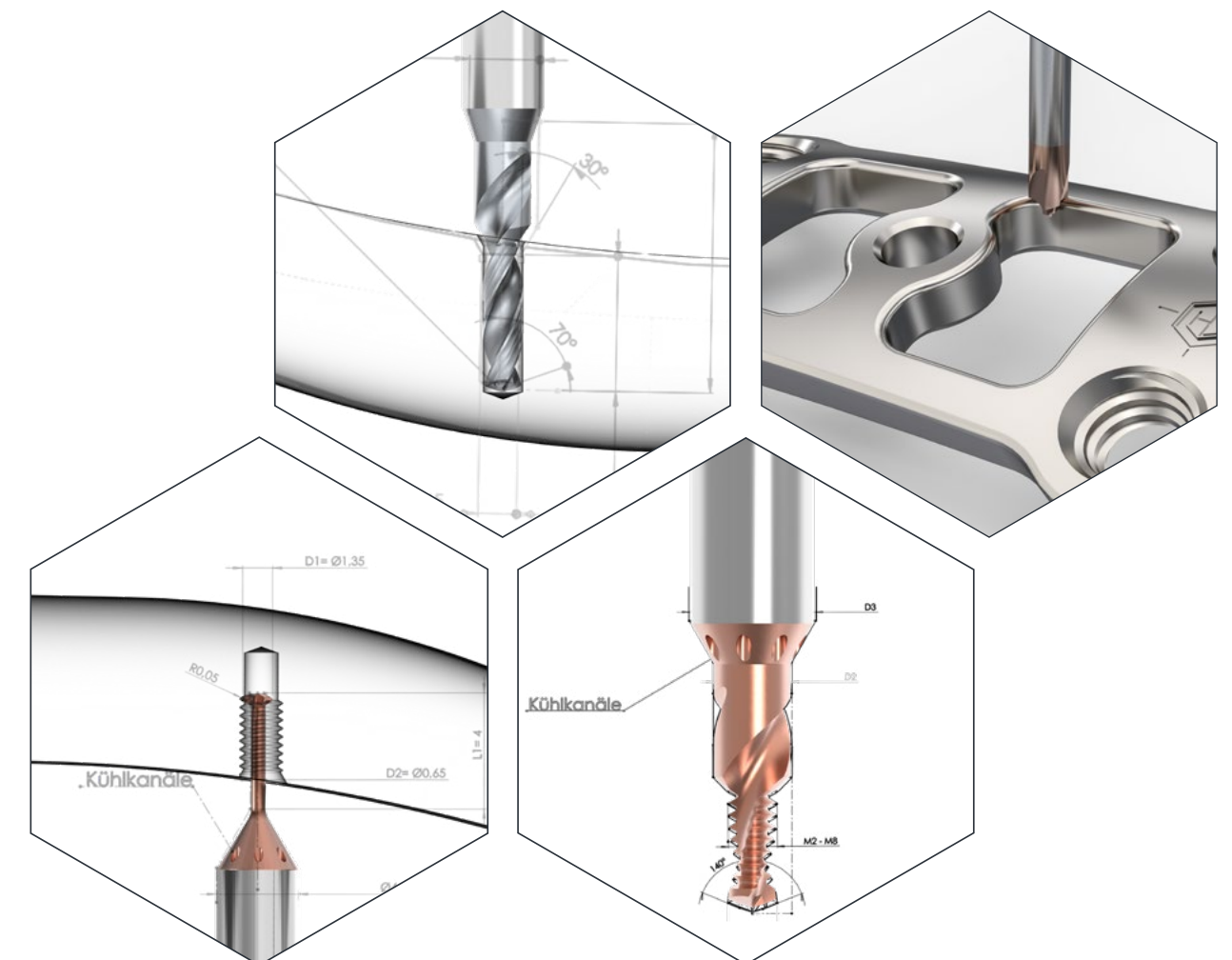
We love challenges!

Put us to the test and send us your requirements today!

At HB microtec, we love challenges – and the more special they are, the clearer it becomes that we can deliver the unique features you are looking for.

Call +49 7461 1657280 or

write to us at kontakt@hb-microtec.de

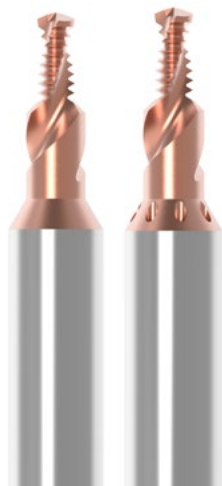


ACTIONTOOLS®
by HB microtec

TARGETTOOLS®
by HB microtec

ACTIONTOOLS®
by HB microtec

TARGETTOOLS®
by HB microtec



HB microtec®
ACTIONTOOLS & ENGINEERING

HB microtec GmbH & Co. KG

Bischof-Sproll-Straße 6

78532 Tuttlingen

Germany

Tel. +49 7461 1657280

Fax +49 7461 1657281

Email kontakt@hb-microtec.de

Web www.HB-microtec.de

