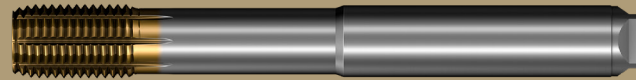
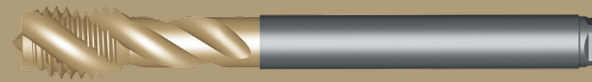
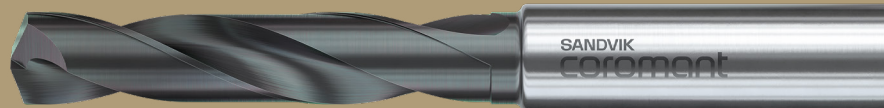
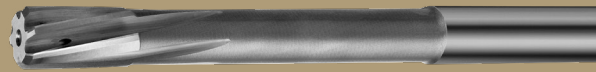


Tools for universal use

SOLID CARBIDE

2025/2026

Drills
Reamers
Taps (HSS)
Thread formers (HSS)
Thread milling cutters
End mills





Additional tool options for your special requirements.

Alongside our extensive standard range, we can also offer you tools in your required dimensions under our standard terms. With our Tailor Made service, you can define your specific dimensions without having to pay the price of a custom tool.

- Drawing and quote within 24 hours
- Tools within 10 to 20 days

... as well as customer-specific solutions

If neither standard nor Tailor Made solutions meet your requirements, you can completely rely on Sandvik Coromant's expertise for customer-specific tool solutions for very special applications.

Tailor Made range

CoroDrill® Dura 462



- Drill diameter 3.0–25.0 mm
- Drilling depth
- Drill type
- Tolerance range
- Adaptor type and size
- Cutting fluid connection
- Coating

CoroTap™-XM



- Thread forms
- Lead
- DIN standards
- Tolerances
- Oversize/undersize
- Coatings
- Cutting fluid supply
- etc.

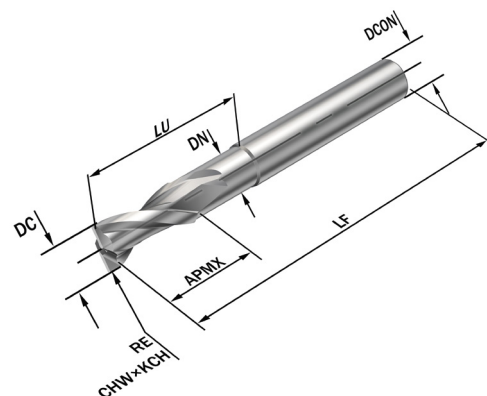
CoroReamer™ 435



- Diameter
- Tolerance range
- ISO-HF and ISO-NF geometries and grades

CoroMill® Dura

- Tool diameter DC 2–25 mm
- Number of teeth ZEFP 2-7
- Helix angle FHA 30°–45°
- Shank version, e.g. cylindrical/Weldon
- Corner chamfer/radius design CHW/RE $CHW \leq 0.2 \times DC$ / $RE \leq 0.4 \times DC$
- Corner chamfer angle KCH 30°–50°
- Shank diameter DCON 3–25 mm
- Neck diameter DN
- Overall length LF
- Cutting-edge length in cut APMX $\leq 5 \times DC$
- Usable length LU 1630 grade selection, H10F, 1620



Download the instructions for selecting Tailor Made tools in PDF format at www.sandvik.coromant.com
For additional information, please get in touch with your Sandvik Coromant contact.

DRILLING

CoroDrill® Dura 462	Page 5
CoroDrill® Dura 462 – micro drill	Page 7
CoroDrill® Dura 462 – 3-8xD	Page 20
CoroDrill® Dura 462 – chamfer drill	Page 35
Cutting data	Page 38

REAMING

CoroReamer™ 435-XF	Page 40
Cutting data	Page 42

TAPPING

CoroTap™ 200-XM for through-holes	Page 44
CoroTap™ 300-XM for blind holes	Page 45
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THREAD FORMS

CoroTap™ 400-XM for through holes and blind holes	Page 60
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THREAD MILLING

CoroMill® Plura	Page 67
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UNIVERSAL END MILLS

CoroMill® Dura – universal use	Page 81
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GENERAL INFORMATION

Page 120

To make life easier for you, we have developed a new standard

ISO 13399 is an international standard simplifying the exchange of cutting tool data.
You will notice that the parameters and descriptions for each tool have changed slightly.

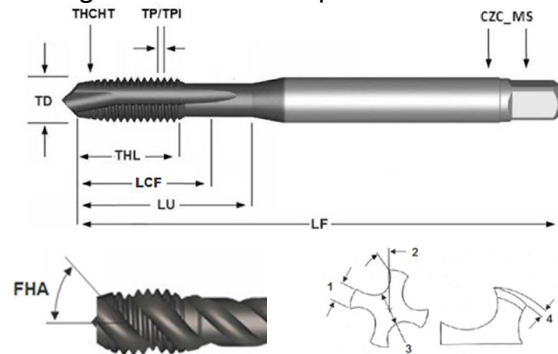
For the first time, there is a standardised format for describing product data for machining tools. If the same parameters and definitions are used in the tool industry, tool data can very simply be communicated between different software systems.

And what does that mean for you?

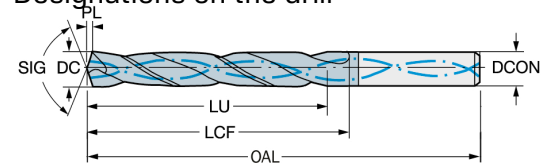
Simply put, it means that your system can communicate with ours, as they speak the same language. Download the product data from our website and use it directly in your CAD/CAM software to put together tools that you need in your production process. You don't have to spend a long time looking for information in catalogues and interpreting data. Just think of how much time this will save you!

Parameter abbreviation	Preferred designation
APMX	Max. depth of cut
B	Shank width
BSG	Standard
CHW	Corner chamfer width
COATING	Coating
CZCMS	Connection size on the machine
DC	Tool diameter
DCON	Adaptor diameter
DN	Neck diameter
FHA	Twist angle
HA	Theoretical thread height
HB	Difference in thread height
KAPK	Tool cutting edge angle
KCH	Corner chamfer
L	Cutting edge length
LCF	Chip flute length
LF	Functional length
LS	Shank length
LU	Usable length
NOF	Number of noses
OAL	Overall length
PL	Height of the cutting tip
SIG	Point angle
TCHA	Achievable hole tolerance
TCTR	Thread tolerance class
TD	Nominal thread diameter
TDZ	Thread number
THCHT	Chamfer
THFT	Thread type
THL	Thread length
TP/TPI	Thread lead
ULDR	Ratio of usable length to Diameter
WCS	Clamping width

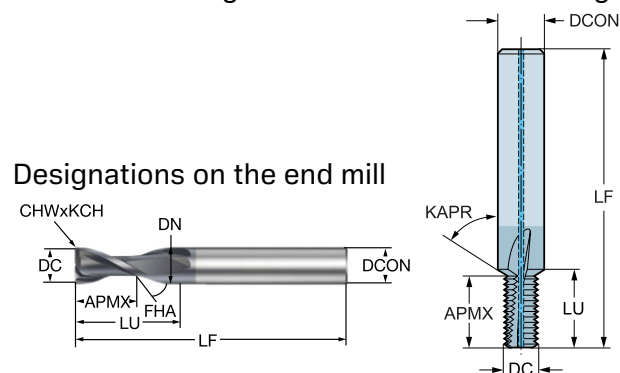
Designations on the tap



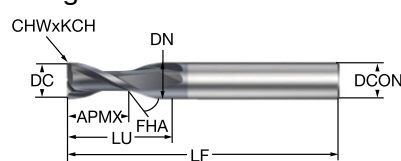
Designations on the drill



Designations on the thread milling cutter



Designations on the end mill



Manufactured for reliable drilling with a long tool life

When using CoroDrill® Dura 462 with the correct set-up and cutting data from the CoroPlus® Tool Guide, you can expect a 100% or more increase in tool life*.

Our Zertivo® 2.0 PVD coating and micro-grain carbide substrate are the real guarantees for the resistance to high feed rates and cutting speeds.

And the result? Reliable productivity and reduced costs per hole.

*Benchmarking tests with competitors.

Versatile geometry

Clearance angle
Improves cutting edge stability.

Cutting edge preparation
Reinforces the cutting edge for longer tool life.

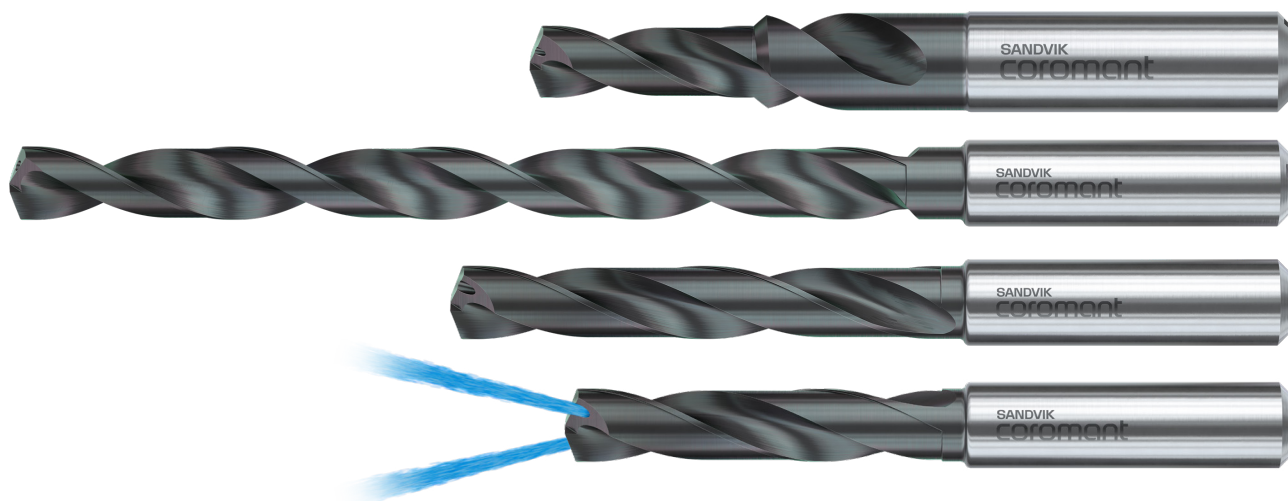
Versatile tip geometry
Leads to reduced cutting forces and excellent positioning accuracy.

Chip flute shape
Large chip flute volume to support chip removal.

Single bevel
Reduces heat build-up and improves stability.

Unique grade X2BM

- Versatile geometry for multi-material applications
- It is a fine-grained carbide substrate with a highly controlled microstructure that guarantees maximum performance in a wide range of applications.
- New versatile multi-layer PVD coating with the latest Zertivo® 2.0 technology
- All drills are fully coated
- Special post-treatment for improved surface smoothness



Features and advantages

- The geometry ensures excellent machining stability and process reliability.
- Maximum productivity thanks to the new X2BM grade
- Fully coated drill bits ensure high wear resistance
- A robust design ensures good centring and straightness of the hole, thus ensuring the best possible conditions for subsequent operations such as tapping or reaming.
- Significantly extended tool life and reduced costs per hole
- A wide range of products, including Type 1 and Type 2 drills, in stock and ready for immediate use

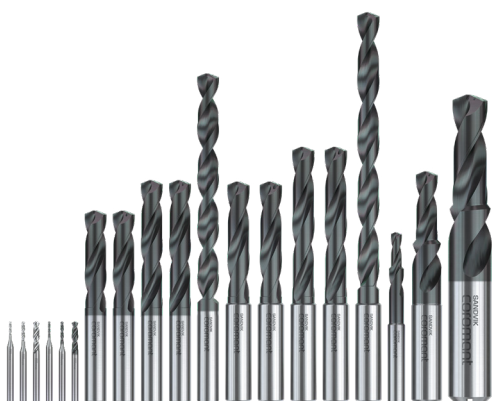
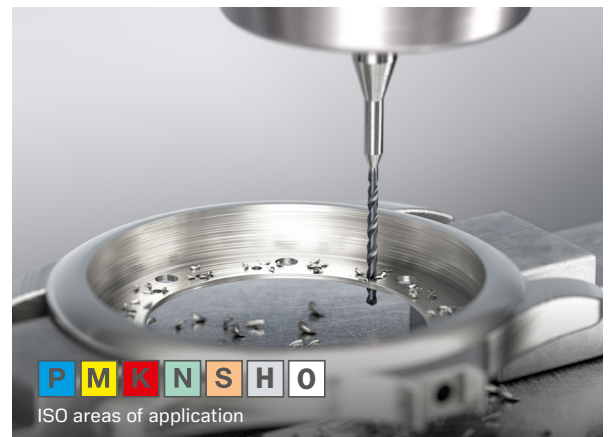
Application

- Diameter 3.00–20.00 mm (0.118–0.787 inches)
- Drilling depth up to 8 × diameter
- Main industry segments:
 - Mechanical engineering, automotive industry, aerospace, oil and gas industry, pumps and valves
- Typical components:
 - Flanges, castings, sieves, hubs, valve housings, pump housings



Application – micro drills

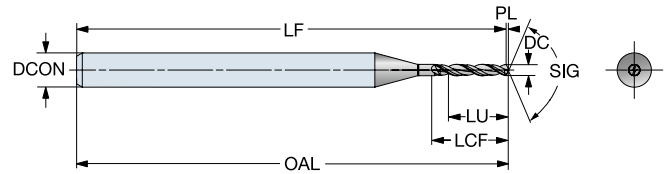
- Diameter 0.030–3.00 mm (0.001–0.118 inches)
- Drilling depth up to 6 × diameter
- Coated and uncoated tools available
- Main industry segments:
 - Medical technology, electronic engineering, general mechanical engineering, watchmaking, automotive industry, oil and gas industry, aerospace
- Typical components:
 - Hydraulic valves, watch cases, medical devices and surgical instruments, electrical connectors, electronics, mould making, actuators, sensors, printed circuit boards and circuit boards.



Product range information

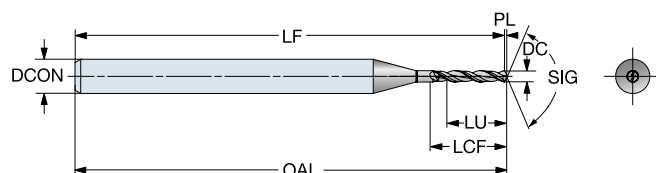
CoroDrill® Dura 462 replaces the CoroDrill® 460-XM product family. The micro drills (579 pieces) previously known as CoroDrill® 462-XM are now part of the CoroDrill® Dura 462 series, which has the same geometry, coating and substrate but a new product code.

TCHA: JS7
SIG: 130°
Grade: X0BU
Drilling depth: Up to 6xD



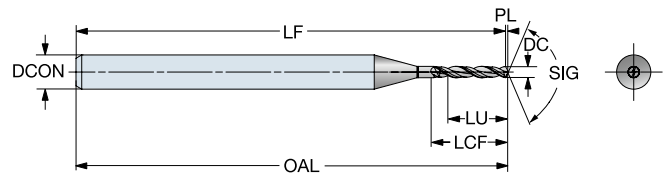
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DC Metric	Number	DC Inch	DCON	OAL	LCF	LU	PL	
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0.040		0.0016	462.1-0004-000A0-XM X0BU	3	38	0.30	0.240	0.009
0.050		0.0020	462.1-0005-000A0-XM X0BU	3	38	0.35	0.275	0.012
0.060		0.0024	462.1-0006-000A0-XM X0BU	3	38	0.40	0.310	0.014
0.070		0.0028	462.1-0007-000A0-XM X0BU	3	38	0.45	0.345	0.016
0.080		0.0031	462.1-0008-000A0-XM X0BU	3	38	0.50	0.380	0.019
0.090		0.0035	462.1-0009-000A0-XM X0BU	3	38	0.50	0.365	0.021
0.100		0.0039	462.1-0010-000A0-XM X0BU	3	38	0.50	0.350	0.023
0.110		0.0043	462.1-0011-000A0-XM X0BU	3	38	0.50	0.335	0.026
0.120		0.0047	462.1-0012-000A0-XM X0BU	3	38	0.50	0.320	0.028
0.130		0.0051	462.1-0013-000A0-XM X0BU	3	38	0.80	0.605	0.030
0.140		0.0055	462.1-0014-000A0-XM X0BU	3	38	0.80	0.590	0.033
0.150		0.0059	462.1-0015-000A0-XM X0BU	3	38	0.80	0.575	0.035
0.160		0.0063	462.1-0016-000A0-XM X0BU	3	38	1.10	0.860	0.037
0.170		0.0067	462.1-0017-000A0-XM X0BU	3	38	1.10	0.845	0.040
0.180		0.0071	462.1-0018-000A0-XM X0BU	3	38	1.10	0.830	0.042
0.190		0.0075	462.1-0019-000A0-XM X0BU	3	38	1.10	0.815	0.044
0.200		0.0079	462.1-0020-001A0-XM X0BU	3	38	1.50	1.200	0.047
0.210		0.0083	462.1-0021-001A0-XM X0BU	3	38	1.50	1.185	0.049
0.220		0.0087	462.1-0022-001A0-XM X0BU	3	38	1.50	1.170	0.051
0.230		0.0091	462.1-0023-001A0-XM X0BU	3	38	1.50	1.155	0.054
0.240		0.0094	462.1-0024-001A0-XM X0BU	3	38	1.50	1.140	0.056
0.250		0.0098	462.1-0025-001A0-XM X0BU	3	38	1.90	1.525	0.058
0.260		0.0102	462.1-0026-001A0-XM X0BU	3	38	1.90	1.510	0.061
0.270		0.0106	462.1-0027-001A0-XM X0BU	3	38	1.90	1.495	0.063
0.280		0.0110	462.1-0028-001A0-XM X0BU	3	38	1.90	1.480	0.065
0.290		0.0114	462.1-0029-001A0-XM X0BU	3	38	1.90	1.465	0.068
0.300		0.0118	462.1-0030-001A0-XM X0BU	3	38	1.80	1.350	0.070
0.310		0.0122	462.1-0031-001A0-XM X0BU	3	38	1.80	1.335	0.072
0.320		0.0126	462.1-0032-001A0-XM X0BU	3	38	1.80	1.320	0.075
0.330		0.0130	462.1-0033-001A0-XM X0BU	3	38	1.80	1.305	0.077
0.340	80	0.0134	462.1-0034-001A0-XM X0BU	3	38	1.80	1.290	0.079
0.350		0.0138	462.1-0035-001A0-XM X0BU	3	38	2.20	1.675	0.082
0.360		0.0142	462.1-0036-001A0-XM X0BU	3	38	2.20	1.660	0.084
0.370	79	0.0146	462.1-0037-001A0-XM X0BU	3	38	2.20	1.645	0.086
0.380		0.0150	462.1-0038-001A0-XM X0BU	3	38	2.20	1.630	0.089
0.390		0.0154	462.1-0039-002A0-XM X0BU	3	38	2.70	2.115	0.091
0.400		0.0157	462.1-0040-002A0-XM X0BU	3	38	2.70	2.100	0.093
0.410	78	0.0161	462.1-0041-002A0-XM X0BU	3	38	2.70	2.085	0.096
0.420		0.0165	462.1-0042-002A0-XM X0BU	3	38	2.70	2.070	0.098
0.430		0.0169	462.1-0043-002A0-XM X0BU	3	38	2.70	2.055	0.100
0.440		0.0173	462.1-0044-002A0-XM X0BU	3	38	2.70	2.040	0.103
0.450		0.0177	462.1-0045-002A0-XM X0BU	3	38	2.70	2.025	0.105
0.460	77	0.0181	462.1-0046-002A0-XM X0BU	3	38	2.70	2.010	0.107
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0.490		0.0193	462.1-0049-002A0-XM X0BU	3	38	3.20	2.465	0.114
0.500		0.0197	462.1-0050-002A0-XM X0BU	3	38	3.20	2.450	0.117
0.510	76	0.0201	462.1-0051-002A0-XM X0BU	3	38	3.20	2.435	0.119
0.520		0.0205	462.1-0052-002A0-XM X0BU	3	38	3.20	2.420	0.121
0.530	75	0.0209	462.1-0053-002A0-XM X0BU	3	38	3.20	2.405	0.124

TCHA: JS7
 SIG: 130°
 Grade: X0BU
 Drilling depth: Up to 6xD



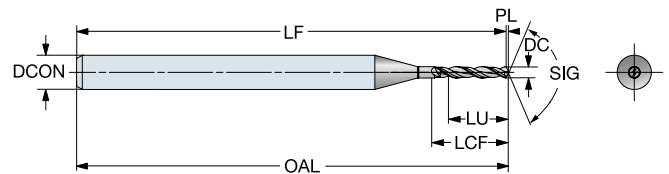
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0.560		0.0220	462.1-0056-002A0-XM X0BU	3	38	3.60	2.760	0.131
0.570	74	0.0224	462.1-0057-002A0-XM X0BU	3	38	3.60	2.745	0.133
0.580		0.0228	462.1-0058-002A0-XM X0BU	3	38	3.60	2.730	0.135
0.590		0.0232	462.1-0059-002A0-XM X0BU	3	38	3.60	2.715	0.138
0.600		0.0236	462.1-0060-002A0-XM X0BU	3	38	3.60	2.700	0.140
0.610	73	0.0240	462.1-0061-002A0-XM X0BU	3	38	3.90	2.985	0.142
0.620		0.0244	462.1-0062-002A0-XM X0BU	3	38	3.90	2.970	0.145
0.630		0.0248	462.1-0063-002A0-XM X0BU	3	38	3.90	2.955	0.147
0.640	72	0.0252	462.1-0064-002A0-XM X0BU	3	38	3.90	2.940	0.149
0.650		0.0256	462.1-0065-002A0-XM X0BU	3	38	3.90	2.925	0.152
0.660	71	0.0260	462.1-0066-002A0-XM X0BU	3	38	3.90	2.910	0.154
0.670		0.0264	462.1-0067-002A0-XM X0BU	3	38	3.90	2.895	0.156
0.680		0.0268	462.1-0068-003A0-XM X0BU	3	38	4.50	3.480	0.159
0.690		0.0272	462.1-0069-003A0-XM X0BU	3	38	4.50	3.465	0.161
0.700		0.0276	462.1-0070-003A0-XM X0BU	3	38	4.50	3.450	0.163
0.710	70	0.0280	462.1-0071-003A0-XM X0BU	3	38	4.50	3.435	0.166
0.720		0.0283	462.1-0072-003A0-XM X0BU	3	38	4.50	3.420	0.168
0.730		0.0287	462.1-0073-003A0-XM X0BU	3	38	4.50	3.405	0.170
0.740	69	0.0291	462.1-0074-003A0-XM X0BU	3	38	4.50	3.390	0.173
0.750		0.0295	462.1-0075-003A0-XM X0BU	3	38	4.50	3.375	0.175
0.760		0.0299	462.1-0076-003A0-XM X0BU	3	38	5.00	3.860	0.177
0.770		0.0303	462.1-0077-003A0-XM X0BU	3	38	5.00	3.845	0.180
0.780		0.0307	462.1-0078-003A0-XM X0BU	3	38	5.00	3.830	0.182
0.790	68	0.0311	462.1-0079-003A0-XM X0BU	3	38	5.00	3.815	0.184
0.800		0.0315	462.1-0080-003A0-XM X0BU	3	38	5.00	3.800	0.187
0.810	67	0.0319	462.1-0081-003A0-XM X0BU	3	38	5.00	3.785	0.189
0.820		0.0323	462.1-0082-003A0-XM X0BU	3	38	5.00	3.770	0.191
0.830		0.0327	462.1-0083-003A0-XM X0BU	3	38	5.00	3.755	0.194
0.840	66	0.0331	462.1-0084-003A0-XM X0BU	3	38	5.00	3.740	0.196
0.850		0.0335	462.1-0085-003A0-XM X0BU	3	38	5.00	3.725	0.198
0.860		0.0339	462.1-0086-004A0-XM X0BU	3	38	5.70	4.410	0.201
0.870		0.0343	462.1-0087-004A0-XM X0BU	3	38	5.70	4.395	0.203
0.880		0.0346	462.1-0088-004A0-XM X0BU	3	38	5.70	4.380	0.205
0.890	65	0.0350	462.1-0089-004A0-XM X0BU	3	38	5.70	4.365	0.208
0.900		0.0354	462.1-0090-004A0-XM X0BU	3	38	5.70	4.350	0.210
0.910	64	0.0358	462.1-0091-004A0-XM X0BU	3	38	5.70	4.335	0.212
0.920		0.0362	462.1-0092-004A0-XM X0BU	3	38	5.70	4.320	0.215
0.930		0.0366	462.1-0093-004A0-XM X0BU	3	38	5.70	4.305	0.217
0.940	63	0.0370	462.1-0094-004A0-XM X0BU	3	38	5.70	4.290	0.219
0.950		0.0374	462.1-0095-004A0-XM X0BU	3	38	5.70	4.275	0.221
0.960		0.0378	462.1-0096-005A0-XM X0BU	3	38	6.50	5.060	0.224
0.970	62	0.0382	462.1-0097-005A0-XM X0BU	3	38	6.50	5.045	0.226
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1.000		0.0394	462.1-0100-005A0-XM X0BU	3	38	6.50	5.000	0.233
1.010		0.0398	462.1-0101-004A0-XM X0BU	3	38	6.50	4.985	0.235
1.020	60	0.0402	462.1-0102-004A0-XM X0BU	3	38	6.50	4.970	0.238
1.030		0.0406	462.1-0103-004A0-XM X0BU	3	38	6.50	4.955	0.240
1.040	59	0.0409	462.1-0104-004A0-XM X0BU	3	38	6.50	4.940	0.242

TCHA: JS7
 SIG: 130°
 Grade: X0BU
 Drilling depth: Up to 6xD



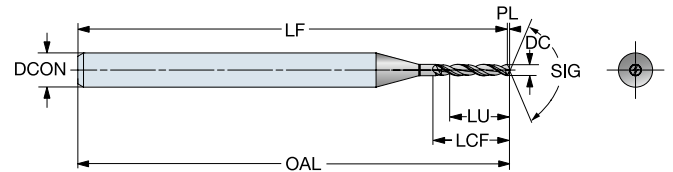
Order number			Dimensions, mm					Discount group 722	
DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL	
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1.060		0.0417	462.1-0106-005A0-XM X0BU	3	38	7.30	5.710	0.247	
1.070	58	0.0421	462.1-0107-005A0-XM X0BU	3	38	7.30	5.695	0.249	
1.080		0.0425	462.1-0108-005A0-XM X0BU	3	38	7.30	5.680	0.252	
1.090	57	0.0429	462.1-0109-005A0-XM X0BU	3	38	7.30	5.665	0.254	
1.100		0.0433	462.1-0110-005A0-XM X0BU	3	38	7.30	5.650	0.256	
1.110		0.0437	462.1-0111-005A0-XM X0BU	3	38	7.30	5.635	0.259	
1.120		0.0441	462.1-0112-005A0-XM X0BU	3	38	7.30	5.620	0.261	
1.130		0.0445	462.1-0113-005A0-XM X0BU	3	38	7.30	5.605	0.263	
1.140		0.0449	462.1-0114-005A0-XM X0BU	3	38	7.30	5.590	0.266	
1.150		0.0453	462.1-0115-005A0-XM X0BU	3	38	7.30	5.575	0.268	
1.160		0.0457	462.1-0116-006A0-XM X0BU	3	38	8.20	6.460	0.270	
1.170		0.0461	462.1-0117-006A0-XM X0BU	3	38	8.20	6.445	0.273	
1.180	56	0.0465	462.1-0118-006A0-XM X0BU	3	38	8.20	6.430	0.275	
1.190		0.0469	462.1-0119-006A0-XM X0BU	3	38	8.20	6.415	0.277	
1.200		0.0472	462.1-0120-006A0-XM X0BU	3	38	8.20	6.400	0.280	
1.210		0.0476	462.1-0121-006A0-XM X0BU	3	38	8.20	6.385	0.282	
1.220		0.0480	462.1-0122-006A0-XM X0BU	3	38	8.20	6.370	0.284	
1.230		0.0484	462.1-0123-006A0-XM X0BU	3	38	8.20	6.355	0.287	
1.240		0.0488	462.1-0124-006A0-XM X0BU	3	38	8.20	6.340	0.289	
1.250		0.0492	462.1-0125-006A0-XM X0BU	3	38	8.20	6.325	0.291	
1.260		0.0496	462.1-0126-006A0-XM X0BU	3	38	8.20	6.310	0.294	
1.270		0.0500	462.1-0127-006A0-XM X0BU	3	38	8.20	6.295	0.296	
1.280		0.0504	462.1-0128-006A0-XM X0BU	3	38	8.20	6.280	0.298	
1.290		0.0508	462.1-0129-006A0-XM X0BU	3	38	8.20	6.265	0.301	
1.300		0.0512	462.1-0130-006A0-XM X0BU	3	38	8.20	6.250	0.303	
1.310		0.0516	462.1-0131-007A0-XM X0BU	3	38	9.20	7.235	0.305	
1.320	55	0.0520	462.1-0132-007A0-XM X0BU	3	38	9.20	7.220	0.308	
1.330		0.0524	462.1-0133-007A0-XM X0BU	3	38	9.20	7.205	0.310	
1.340		0.0528	462.1-0134-007A0-XM X0BU	3	38	9.20	7.190	0.312	
1.350		0.0531	462.1-0135-007A0-XM X0BU	3	38	9.20	7.175	0.315	
1.360		0.0535	462.1-0136-007A0-XM X0BU	3	38	9.20	7.160	0.317	
1.370		0.0539	462.1-0137-007A0-XM X0BU	3	38	9.20	7.145	0.319	
1.380		0.0543	462.1-0138-007A0-XM X0BU	3	38	9.20	7.130	0.322	
1.390		0.0547	462.1-0139-007A0-XM X0BU	3	38	9.20	7.115	0.324	
1.400	54	0.0551	462.1-0140-007A0-XM X0BU	3	38	9.20	7.100	0.326	
1.410		0.0555	462.1-0141-007A0-XM X0BU	3	38	9.20	7.085	0.329	
1.420		0.0559	462.1-0142-007A0-XM X0BU	3	38	9.20	7.070	0.331	
1.430		0.0563	462.1-0143-007A0-XM X0BU	3	38	9.20	7.055	0.333	
1.440		0.0567	462.1-0144-007A0-XM X0BU	3	38	9.20	7.040	0.336	
1.450		0.0571	462.1-0145-007A0-XM X0BU	3	38	9.20	7.025	0.338	
1.460		0.0575	462.1-0146-007A0-XM X0BU	3	38	9.20	7.010	0.340	
1.470		0.0579	462.1-0147-006A0-XM X0BU	3	38	9.20	6.995	0.343	
1.480		0.0583	462.1-0148-006A0-XM X0BU	3	38	9.20	6.980	0.345	
1.490		0.0587	462.1-0149-006A0-XM X0BU	3	38	9.20	6.965	0.347	
1.500		0.0591	462.1-0150-006A0-XM X0BU	3	38	9.20	6.950	0.350	
1.510	53	0.0594	462.1-0151-008A0-XM X0BU	3	38	11.20	8.935	0.352	
1.520		0.0598	462.1-0152-008A0-XM X0BU	3	38	11.20	8.920	0.354	
1.530		0.0602	462.1-0153-008A0-XM X0BU	3	38	11.20	8.905	0.357	
1.540		0.0606	462.1-0154-008A0-XM X0BU	3	38	11.20	8.890	0.359	

TCHA: JS7
 SIG: 130°
 Grade: X0BU
 Drilling depth: Up to 6xD



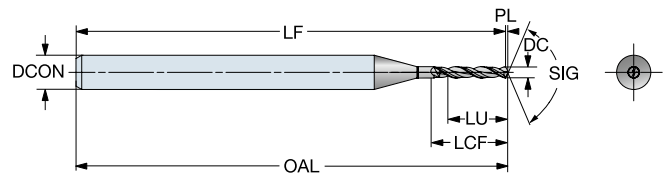
Order number			Dimensions, mm					Discount group 722	
DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL	
1.550		0.0610	462.1-0155-008A0-XM X0BU	3	38	11.20	8.875	0.361	
1.560		0.0614	462.1-0156-008A0-XM X0BU	3	38	11.20	8.860	0.364	
1.570		0.0618	462.1-0157-008A0-XM X0BU	3	38	11.20	8.845	0.366	
1.580		0.0622	462.1-0158-008A0-XM X0BU	3	38	11.20	8.830	0.368	
1.590		0.0626	462.1-0159-008A0-XM X0BU	3	38	11.20	8.815	0.371	
1.600		0.0630	462.1-0160-008A0-XM X0BU	3	38	11.20	8.800	0.373	
1.610	52	0.0634	462.1-0161-008A0-XM X0BU	3	38	11.20	8.785	0.375	
1.620		0.0638	462.1-0162-008A0-XM X0BU	3	38	11.20	8.770	0.378	
1.630		0.0642	462.1-0163-008A0-XM X0BU	3	38	11.20	8.755	0.380	
1.640		0.0646	462.1-0164-008A0-XM X0BU	3	38	11.20	8.740	0.382	
1.650		0.0650	462.1-0165-008A0-XM X0BU	3	38	11.20	8.725	0.385	
1.660		0.0654	462.1-0166-008A0-XM X0BU	3	38	11.20	8.710	0.387	
1.670		0.0657	462.1-0167-008A0-XM X0BU	3	38	11.20	8.695	0.389	
1.680		0.0661	462.1-0168-008A0-XM X0BU	3	38	11.20	8.680	0.392	
1.690		0.0665	462.1-0169-008A0-XM X0BU	3	38	11.20	8.665	0.394	
1.700	51	0.0669	462.1-0170-008A0-XM X0BU	3	38	11.20	8.650	0.396	
1.710		0.0673	462.1-0171-008A0-XM X0BU	3	38	11.20	8.635	0.399	
1.720		0.0677	462.1-0172-008A0-XM X0BU	3	38	11.20	8.620	0.401	
1.730		0.0681	462.1-0173-008A0-XM X0BU	3	38	11.20	8.605	0.403	
1.740		0.0685	462.1-0174-008A0-XM X0BU	3	38	11.20	8.590	0.406	
1.750		0.0689	462.1-0175-008A0-XM X0BU	3	38	11.20	8.575	0.408	
1.760		0.0693	462.1-0176-008A0-XM X0BU	3	38	11.20	8.560	0.410	
1.770		0.0697	462.1-0177-008A0-XM X0BU	3	38	11.20	8.545	0.413	
1.780	50	0.0701	462.1-0178-008A0-XM X0BU	3	38	11.20	8.530	0.415	
1.790		0.0705	462.1-0179-008A0-XM X0BU	3	38	11.20	8.515	0.417	
1.800		0.0709	462.1-0180-008A0-XM X0BU	3	38	11.20	8.500	0.420	
1.810		0.0713	462.1-0181-008A0-XM X0BU	3	38	11.20	8.485	0.422	
1.820		0.0717	462.1-0182-008A0-XM X0BU	3	38	11.20	8.470	0.424	
1.830		0.0720	462.1-0183-008A0-XM X0BU	3	38	11.20	8.455	0.427	
1.840		0.0724	462.1-0184-008A0-XM X0BU	3	38	11.20	8.440	0.429	
1.850	49	0.0728	462.1-0185-008A0-XM X0BU	3	38	11.20	8.425	0.431	
1.860		0.0732	462.1-0186-008A0-XM X0BU	3	38	11.20	8.410	0.434	
1.870		0.0736	462.1-0187-008A0-XM X0BU	3	38	11.20	8.395	0.436	
1.880		0.0740	462.1-0188-008A0-XM X0BU	3	38	11.20	8.380	0.438	
1.890		0.0744	462.1-0189-008A0-XM X0BU	3	38	11.20	8.365	0.441	
1.900		0.0748	462.1-0190-008A0-XM X0BU	3	38	11.20	8.350	0.443	
1.910		0.0752	462.1-0191-008A0-XM X0BU	3	38	11.20	8.335	0.445	
1.920		0.0756	462.1-0192-008A0-XM X0BU	3	38	11.20	8.320	0.448	
1.930	48	0.0760	462.1-0193-008A0-XM X0BU	3	38	11.20	8.305	0.450	
1.940		0.0764	462.1-0194-008A0-XM X0BU	3	38	11.20	8.290	0.452	
1.950		0.0768	462.1-0195-008A0-XM X0BU	3	38	11.20	8.275	0.455	
1.960		0.0772	462.1-0196-008A0-XM X0BU	3	38	11.20	8.260	0.457	
1.970		0.0776	462.1-0197-008A0-XM X0BU	3	38	11.20	8.245	0.459	
1.980		0.0780	462.1-0198-008A0-XM X0BU	3	38	11.20	8.230	0.462	
1.990	47	0.0783	462.1-0199-008A0-XM X0BU	3	38	11.20	8.215	0.464	
2.000		0.0787	462.1-0200-008A0-XM X0BU	3	38	11.20	8.200	0.466	
2.010		0.0791	462.1-0201-009A0-XM X0BU	3	38	12.50	9.485	0.469	
2.020		0.0795	462.1-0202-009A0-XM X0BU	3	38	12.50	9.470	0.471	
2.030		0.0799	462.1-0203-009A0-XM X0BU	3	38	12.50	9.455	0.473	
2.040		0.0803	462.1-0204-009A0-XM X0BU	3	38	12.50	9.440	0.476	
2.050		0.0807	462.1-0205-009A0-XM X0BU	3	38	12.50	9.425	0.478	

TCHA: JS7
 SIG: 130°
 Grade: X0BU
 Drilling depth: Up to 6xD



Order number			Dimensions, mm					Discount group 722	
DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL	
2.060	46	0.0811	462.1-0206-009A0-XM X0BU	3	38	12.50	9.410	0.480	
2.070		0.0815	462.1-0207-009A0-XM X0BU	3	38	12.50	9.395	0.483	
2.080	45	0.0819	462.1-0208-009A0-XM X0BU	3	38	12.50	9.380	0.485	
2.090		0.0823	462.1-0209-009A0-XM X0BU	3	38	12.50	9.365	0.487	
2.100		0.0827	462.1-0210-009A0-XM X0BU	3	38	12.50	9.350	0.490	
2.110		0.0831	462.1-0211-009A0-XM X0BU	3	38	12.50	9.335	0.492	
2.120		0.0835	462.1-0212-009A0-XM X0BU	3	38	12.50	9.320	0.494	
2.130		0.0839	462.1-0213-009A0-XM X0BU	3	38	12.50	9.305	0.497	
2.140		0.0843	462.1-0214-009A0-XM X0BU	3	38	12.50	9.290	0.499	
2.150		0.0846	462.1-0215-009A0-XM X0BU	3	38	12.50	9.275	0.501	
2.160		0.0850	462.1-0216-009A0-XM X0BU	3	38	12.50	9.260	0.504	
2.170		0.0854	462.1-0217-009A0-XM X0BU	3	38	12.50	9.245	0.506	
2.180	44	0.0858	462.1-0218-009A0-XM X0BU	3	38	12.50	9.230	0.508	
2.190		0.0862	462.1-0219-009A0-XM X0BU	3	38	12.50	9.215	0.511	
2.200		0.0866	462.1-0220-009A0-XM X0BU	3	38	12.50	9.200	0.513	
2.210		0.0870	462.1-0221-009A0-XM X0BU	3	38	12.50	9.185	0.515	
2.220		0.0874	462.1-0222-009A0-XM X0BU	3	38	12.50	9.170	0.518	
2.230		0.0878	462.1-0223-009A0-XM X0BU	3	38	12.50	9.155	0.520	
2.240		0.0882	462.1-0224-009A0-XM X0BU	3	38	12.50	9.140	0.522	
2.250		0.0886	462.1-0225-009A0-XM X0BU	3	38	12.50	9.125	0.525	
2.260	43	0.0890	462.1-0226-009A0-XM X0BU	3	38	12.50	9.110	0.527	
2.270		0.0894	462.1-0227-009A0-XM X0BU	3	38	12.50	9.095	0.529	
2.280		0.0898	462.1-0228-009A0-XM X0BU	3	38	12.50	9.080	0.532	
2.290		0.0902	462.1-0229-009A0-XM X0BU	3	38	12.50	9.065	0.534	
2.300		0.0906	462.1-0230-009A0-XM X0BU	3	38	12.50	9.050	0.536	
2.310		0.0909	462.1-0231-009A0-XM X0BU	3	38	12.50	9.035	0.539	
2.320		0.0913	462.1-0232-009A0-XM X0BU	3	38	12.50	9.020	0.541	
2.330		0.0917	462.1-0233-009A0-XM X0BU	3	38	12.50	9.005	0.543	
2.340		0.0921	462.1-0234-008A0-XM X0BU	3	38	12.50	8.990	0.546	
2.350		0.0925	462.1-0235-008A0-XM X0BU	3	38	12.50	8.975	0.548	
2.360		0.0929	462.1-0236-008A0-XM X0BU	3	38	12.50	8.960	0.550	
2.370	42	0.0933	462.1-0237-008A0-XM X0BU	3	38	12.50	8.945	0.553	
2.380		0.0937	462.1-0238-008A0-XM X0BU	3	38	12.50	8.930	0.555	
2.390		0.0941	462.1-0239-008A0-XM X0BU	3	38	12.50	8.915	0.557	
2.400		0.0945	462.1-0240-008A0-XM X0BU	3	38	12.50	8.900	0.560	
2.410		0.0949	462.1-0241-008A0-XM X0BU	3	38	12.50	8.885	0.562	
2.420		0.0953	462.1-0242-008A0-XM X0BU	3	38	12.50	8.870	0.564	
2.430		0.0957	462.1-0243-008A0-XM X0BU	3	38	12.50	8.855	0.567	
2.440	41	0.0961	462.1-0244-008A0-XM X0BU	3	38	12.50	8.840	0.569	
2.450		0.0965	462.1-0245-008A0-XM X0BU	3	38	12.50	8.825	0.571	
2.460		0.0969	462.1-0246-008A0-XM X0BU	3	38	12.50	8.810	0.574	
2.470		0.0972	462.1-0247-008A0-XM X0BU	3	38	12.50	8.795	0.576	
2.480		0.0976	462.1-0248-008A0-XM X0BU	3	38	12.50	8.780	0.578	
2.490	40	0.0980	462.1-0249-008A0-XM X0BU	3	38	12.50	8.765	0.581	
2.500		0.0984	462.1-0250-010A0-XM X0BU	3	38	14.00	10.250	0.583	
2.510		0.0988	462.1-0251-010A0-XM X0BU	3	38	14.00	10.235	0.585	
2.520		0.0992	462.1-0252-010A0-XM X0BU	3	38	14.00	10.220	0.588	
2.530	39	0.0996	462.1-0253-010A0-XM X0BU	3	38	14.00	10.205	0.590	
2.540		0.1000	462.1-0254-010A0-XM X0BU	3	38	14.00	10.190	0.592	
2.550		0.1004	462.1-0255-010A0-XM X0BU	3	38	14.00	10.175	0.595	

TCHA: JS7
 SIG: 130°
 Grade: X0BU
 Drilling depth: Up to 6xD

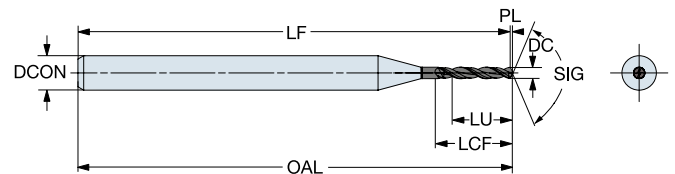


Order number			Dimensions, mm					Discount group 722
DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL
2.560		0.1008	462.1-0256-010A0-XM X0BU	3	38	14.00	10.160	0.597
2.570		0.1012	462.1-0257-010A0-XM X0BU	3	38	14.00	10.145	0.599
2.580	38	0.1016	462.1-0258-010A0-XM X0BU	3	38	14.00	10.130	0.602
2.590		0.1020	462.1-0259-010A0-XM X0BU	3	38	14.00	10.115	0.604
2.600		0.1024	462.1-0260-010A0-XM X0BU	3	38	14.00	10.100	0.606
2.610		0.1028	462.1-0261-010A0-XM X0BU	3	38	14.00	10.085	0.609
2.620		0.1031	462.1-0262-010A0-XM X0BU	3	38	14.00	10.070	0.611
2.630		0.1035	462.1-0263-010A0-XM X0BU	3	38	14.00	10.055	0.613
2.640	37	0.1039	462.1-0264-010A0-XM X0BU	3	38	14.00	10.040	0.616
2.650		0.1043	462.1-0265-010A0-XM X0BU	3	38	14.00	10.025	0.618
2.660		0.1047	462.1-0266-010A0-XM X0BU	3	38	14.00	10.010	0.620
2.670		0.1051	462.1-0267-009A0-XM X0BU	3	38	14.00	9.995	0.623
2.680		0.1055	462.1-0268-009A0-XM X0BU	3	38	14.00	9.980	0.625
2.690		0.1059	462.1-0269-009A0-XM X0BU	3	38	14.00	9.965	0.627
2.700		0.1063	462.1-0270-009A0-XM X0BU	3	38	14.00	9.950	0.630
2.710	36	0.1067	462.1-0271-009A0-XM X0BU	3	38	14.00	9.935	0.632
2.720		0.1071	462.1-0272-009A0-XM X0BU	3	38	14.00	9.920	0.634
2.730		0.1075	462.1-0273-009A0-XM X0BU	3	38	14.00	9.905	0.637
2.740		0.1079	462.1-0274-009A0-XM X0BU	3	38	14.00	9.890	0.639
2.750		0.1083	462.1-0275-009A0-XM X0BU	3	38	14.00	9.875	0.641
2.760		0.1087	462.1-0276-009A0-XM X0BU	3	38	14.00	9.860	0.644
2.770		0.1091	462.1-0277-009A0-XM X0BU	3	38	14.00	9.845	0.646
2.780		0.1094	462.1-0278-009A0-XM X0BU	3	38	14.00	9.830	0.648
2.790	35	0.1098	462.1-0279-009A0-XM X0BU	3	38	14.00	9.815	0.650
2.800		0.1102	462.1-0280-009A0-XM X0BU	3	38	14.00	9.800	0.653
2.810		0.1106	462.1-0281-009A0-XM X0BU	3	38	14.00	9.785	0.655
2.820	34	0.1110	462.1-0282-009A0-XM X0BU	3	38	14.00	9.770	0.657
2.830		0.1114	462.1-0283-009A0-XM X0BU	3	38	14.00	9.755	0.660
2.840		0.1118	462.1-0284-009A0-XM X0BU	3	38	14.00	9.740	0.662
2.850		0.1122	462.1-0285-009A0-XM X0BU	3	38	14.00	9.725	0.664
2.860		0.1126	462.1-0286-009A0-XM X0BU	3	38	14.00	9.710	0.667
2.870	33	0.1130	462.1-0287-009A0-XM X0BU	3	38	14.00	9.695	0.669
2.880		0.1134	462.1-0288-009A0-XM X0BU	3	38	14.00	9.680	0.671
2.890		0.1138	462.1-0289-009A0-XM X0BU	3	38	14.00	9.665	0.674
2.900		0.1142	462.1-0290-009A0-XM X0BU	3	38	14.00	9.650	0.676
2.910		0.1146	462.1-0291-009A0-XM X0BU	3	38	14.00	9.635	0.678
2.920		0.1150	462.1-0292-009A0-XM X0BU	3	38	14.00	9.620	0.681
2.930		0.1154	462.1-0293-009A0-XM X0BU	3	38	14.00	9.605	0.683
2.940		0.1157	462.1-0294-009A0-XM X0BU	3	38	14.00	9.590	0.685
2.950	32	0.1161	462.1-0295-009A0-XM X0BU	3	38	14.00	9.575	0.688
2.960		0.1165	462.1-0296-009A0-XM X0BU	3	38	14.00	9.560	0.690
2.970		0.1169	462.1-0297-009A0-XM X0BU	3	38	14.00	9.545	0.692
2.980		0.1173	462.1-0298-009A0-XM X0BU	3	38	14.00	9.530	0.695
2.990		0.1177	462.1-0299-009A0-XM X0BU	3	38	14.00	9.515	0.697
3.000		0.1181	462.1-0300-009A0-XM X0BU	3	38	14.00	9.500	0.699

The latest updated cutting data can be found at [CoroPlus® Tool Guide](#).

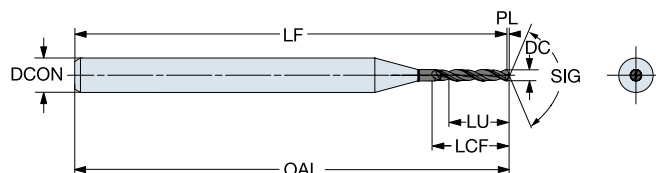


TCHA: JS7
 SIG: 130°
 Grade: X0BM
 Drilling depth: Up to 6xD



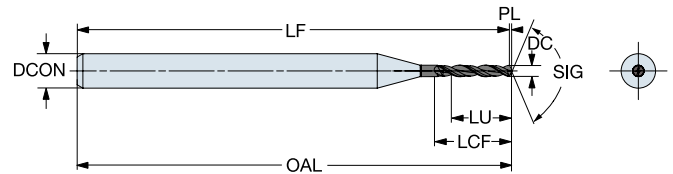
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DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL	
0.200		0.0079	462.1-0020-001A0-XM X0BM	3	38	1.50	1.200	0.047	
0.210		0.0083	462.1-0021-001A0-XM X0BM	3	38	1.50	1.185	0.049	
0.220		0.0087	462.1-0022-001A0-XM X0BM	3	38	1.50	1.170	0.051	
0.230		0.0091	462.1-0023-001A0-XM X0BM	3	38	1.50	1.155	0.054	
0.240		0.0094	462.1-0024-001A0-XM X0BM	3	38	1.50	1.140	0.056	
0.250		0.0098	462.1-0025-001A0-XM X0BM	3	38	1.90	1.525	0.058	
0.260		0.0102	462.1-0026-001A0-XM X0BM	3	38	1.90	1.510	0.061	
0.270		0.0106	462.1-0027-001A0-XM X0BM	3	38	1.90	1.495	0.063	
0.280		0.0110	462.1-0028-001A0-XM X0BM	3	38	1.90	1.480	0.065	
0.290		0.0114	462.1-0029-001A0-XM X0BM	3	38	1.90	1.465	0.068	
0.300		0.0118	462.1-0030-001A0-XM X0BM	3	38	1.80	1.350	0.070	
0.310		0.0122	462.1-0031-001A0-XM X0BM	3	38	1.80	1.335	0.072	
0.320		0.0126	462.1-0032-001A0-XM X0BM	3	38	1.80	1.320	0.075	
0.330		0.0130	462.1-0033-001A0-XM X0BM	3	38	1.80	1.305	0.077	
0.340	80	0.0134	462.1-0034-001A0-XM X0BM	3	38	1.80	1.290	0.079	
0.350		0.0138	462.1-0035-001A0-XM X0BM	3	38	2.20	1.675	0.082	
0.360		0.0142	462.1-0036-001A0-XM X0BM	3	38	2.20	1.660	0.084	
0.370	79	0.0146	462.1-0037-001A0-XM X0BM	3	38	2.20	1.645	0.086	
0.380		0.0150	462.1-0038-001A0-XM X0BM	3	38	2.20	1.630	0.089	
0.390		0.0154	462.1-0039-002A0-XM X0BM	3	38	2.70	2.115	0.091	
0.400		0.0157	462.1-0040-002A0-XM X0BM	3	38	2.70	2.100	0.093	
0.410	78	0.0161	462.1-0041-002A0-XM X0BM	3	38	2.70	2.085	0.096	
0.420		0.0165	462.1-0042-002A0-XM X0BM	3	38	2.70	2.070	0.098	
0.430		0.0169	462.1-0043-002A0-XM X0BM	3	38	2.70	2.055	0.100	
0.440		0.0173	462.1-0044-002A0-XM X0BM	3	38	2.70	2.040	0.103	
0.450		0.0177	462.1-0045-002A0-XM X0BM	3	38	2.70	2.025	0.105	
0.460	77	0.0181	462.1-0046-002A0-XM X0BM	3	38	2.70	2.010	0.107	
0.470		0.0185	462.1-0047-001A0-XM X0BM	3	38	2.70	1.995	0.110	
0.480		0.0189	462.1-0048-001A0-XM X0BM	3	38	2.70	1.980	0.112	
0.490		0.0193	462.1-0049-002A0-XM X0BM	3	38	3.20	2.465	0.114	
0.500		0.0197	462.1-0050-002A0-XM X0BM	3	38	3.20	2.450	0.117	
0.510	76	0.0201	462.1-0051-002A0-XM X0BM	3	38	3.20	2.435	0.119	
0.520		0.0205	462.1-0052-002A0-XM X0BM	3	38	3.20	2.420	0.121	
0.530	75	0.0209	462.1-0053-002A0-XM X0BM	3	38	3.20	2.405	0.124	
0.540		0.0213	462.1-0054-002A0-XM X0BM	3	38	3.60	2.790	0.126	
0.550		0.0217	462.1-0055-002A0-XM X0BM	3	38	3.60	2.775	0.128	
0.560		0.0220	462.1-0056-002A0-XM X0BM	3	38	3.60	2.760	0.131	
0.570	74	0.0224	462.1-0057-002A0-XM X0BM	3	38	3.60	2.745	0.133	
0.580		0.0228	462.1-0058-002A0-XM X0BM	3	38	3.60	2.730	0.135	
0.590		0.0232	462.1-0059-002A0-XM X0BM	3	38	3.60	2.715	0.138	
0.600		0.0236	462.1-0060-002A0-XM X0BM	3	38	3.60	2.700	0.140	
0.610	73	0.0240	462.1-0061-002A0-XM X0BM	3	38	3.90	2.985	0.142	
0.620		0.0244	462.1-0062-002A0-XM X0BM	3	38	3.90	2.970	0.145	
0.630		0.0248	462.1-0063-002A0-XM X0BM	3	38	3.90	2.955	0.147	
0.640	72	0.0252	462.1-0064-002A0-XM X0BM	3	38	3.90	2.940	0.149	
0.650		0.0256	462.1-0065-002A0-XM X0BM	3	38	3.90	2.925	0.152	
0.660	71	0.0260	462.1-0066-002A0-XM X0BM	3	38	3.90	2.910	0.154	
0.670		0.0264	462.1-0067-002A0-XM X0BM	3	38	3.90	2.895	0.156	
0.680		0.0268	462.1-0068-003A0-XM X0BM	3	38	4.50	3.480	0.159	
0.690		0.0272	462.1-0069-003A0-XM X0BM	3	38	4.50	3.465	0.161	

TCHA: JS7
SIG: 130°
Grade: X0BM
Drilling depth: Up to 6xD



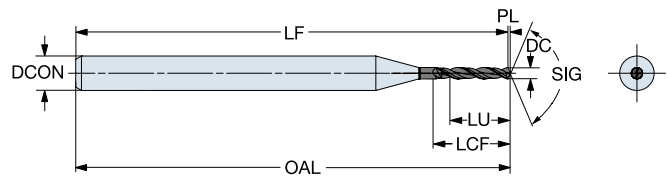
Order number			Dimensions, mm					Discount group 722	
DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL	
0.700		0.0276	462.1-0070-003A0-XM X0BM	3	38	4.50	3.450	0.163	
0.710	70	0.0280	462.1-0071-003A0-XM X0BM	3	38	4.50	3.435	0.166	
0.720		0.0283	462.1-0072-003A0-XM X0BM	3	38	4.50	3.420	0.168	
0.730		0.0287	462.1-0073-003A0-XM X0BM	3	38	4.50	3.405	0.170	
0.740	69	0.0291	462.1-0074-003A0-XM X0BM	3	38	4.50	3.390	0.173	
0.750		0.0295	462.1-0075-003A0-XM X0BM	3	38	4.50	3.375	0.175	
0.760		0.0299	462.1-0076-003A0-XM X0BM	3	38	5.00	3.860	0.177	
0.770		0.0303	462.1-0077-003A0-XM X0BM	3	38	5.00	3.845	0.180	
0.780		0.0307	462.1-0078-003A0-XM X0BM	3	38	5.00	3.830	0.182	
0.790	68	0.0311	462.1-0079-003A0-XM X0BM	3	38	5.00	3.815	0.184	
0.800		0.0315	462.1-0080-003A0-XM X0BM	3	38	5.00	3.800	0.187	
0.810	67	0.0319	462.1-0081-003A0-XM X0BM	3	38	5.00	3.785	0.189	
0.820		0.0323	462.1-0082-003A0-XM X0BM	3	38	5.00	3.770	0.191	
0.830		0.0327	462.1-0083-003A0-XM X0BM	3	38	5.00	3.755	0.194	
0.840	66	0.0331	462.1-0084-003A0-XM X0BM	3	38	5.00	3.740	0.196	
0.850		0.0335	462.1-0085-003A0-XM X0BM	3	38	5.00	3.725	0.198	
0.860		0.0339	462.1-0086-004A0-XM X0BM	3	38	5.70	4.410	0.201	
0.870		0.0343	462.1-0087-004A0-XM X0BM	3	38	5.70	4.395	0.203	
0.880		0.0346	462.1-0088-004A0-XM X0BM	3	38	5.70	4.380	0.205	
0.890	65	0.0350	462.1-0089-004A0-XM X0BM	3	38	5.70	4.365	0.208	
0.900		0.0354	462.1-0090-004A0-XM X0BM	3	38	5.70	4.350	0.210	
0.910	64	0.0358	462.1-0091-004A0-XM X0BM	3	38	5.70	4.335	0.212	
0.920		0.0362	462.1-0092-004A0-XM X0BM	3	38	5.70	4.320	0.215	
0.930		0.0366	462.1-0093-004A0-XM X0BM	3	38	5.70	4.305	0.217	
0.940	63	0.0370	462.1-0094-004A0-XM X0BM	3	38	5.70	4.290	0.219	
0.950		0.0374	462.1-0095-004A0-XM X0BM	3	38	5.70	4.275	0.221	
0.960		0.0378	462.1-0096-005A0-XM X0BM	3	38	6.50	5.060	0.224	
0.970	62	0.0382	462.1-0097-005A0-XM X0BM	3	38	6.50	5.045	0.226	
0.980		0.0386	462.1-0098-005A0-XM X0BM	3	38	6.50	5.030	0.228	
0.990	61	0.0390	462.1-0099-005A0-XM X0BM	3	38	6.50	5.015	0.231	
1.000		0.0394	462.1-0100-005A0-XM X0BM	3	38	6.50	5.000	0.233	
1.010		0.0398	462.1-0101-004A0-XM X0BM	3	38	6.50	4.985	0.235	
1.020	60	0.0402	462.1-0102-004A0-XM X0BM	3	38	6.50	4.970	0.238	
1.030		0.0406	462.1-0103-004A0-XM X0BM	3	38	6.50	4.955	0.240	
1.040	59	0.0409	462.1-0104-004A0-XM X0BM	3	38	6.50	4.940	0.242	
1.050		0.0413	462.1-0105-004A0-XM X0BM	3	38	6.50	4.925	0.245	
1.060		0.0417	462.1-0106-005A0-XM X0BM	3	38	7.30	5.710	0.247	
1.070	58	0.0421	462.1-0107-005A0-XM X0BM	3	38	7.30	5.695	0.249	
1.080		0.0425	462.1-0108-005A0-XM X0BM	3	38	7.30	5.680	0.252	
1.090	57	0.0429	462.1-0109-005A0-XM X0BM	3	38	7.30	5.665	0.254	
1.100		0.0433	462.1-0110-005A0-XM X0BM	3	38	7.30	5.650	0.256	
1.110		0.0437	462.1-0111-005A0-XM X0BM	3	38	7.30	5.635	0.259	
1.120		0.0441	462.1-0112-005A0-XM X0BM	3	38	7.30	5.620	0.261	
1.130		0.0445	462.1-0113-005A0-XM X0BM	3	38	7.30	5.605	0.263	
1.140		0.0449	462.1-0114-005A0-XM X0BM	3	38	7.30	5.590	0.266	
1.150		0.0453	462.1-0115-005A0-XM X0BM	3	38	7.30	5.575	0.268	
1.160		0.0457	462.1-0116-006A0-XM X0BM	3	38	8.20	6.460	0.270	
1.170		0.0461	462.1-0117-006A0-XM X0BM	3	38	8.20	6.445	0.273	
1.180	56	0.0465	462.1-0118-006A0-XM X0BM	3	38	8.20	6.430	0.275	
1.190		0.0469	462.1-0119-006A0-XM X0BM	3	38	8.20	6.415	0.277	
1.200		0.0472	462.1-0120-006A0-XM X0BM	3	38	8.20	6.400	0.280	

TCHA: JS7
 SIG: 130°
 Grade: X0BM
 Drilling depth: Up to 6xD



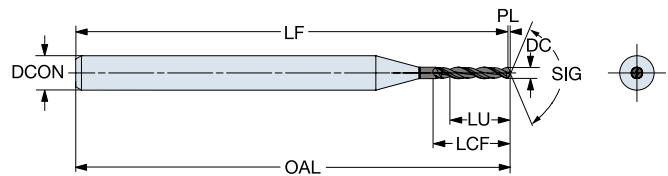
Order number			Dimensions, mm					Discount group 722	
DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL	
1.210		0.0476	462.1-0121-006A0-XM X0BM	3	38	8.20	6.385	0.282	
1.220		0.0480	462.1-0122-006A0-XM X0BM	3	38	8.20	6.370	0.284	
1.230		0.0484	462.1-0123-006A0-XM X0BM	3	38	8.20	6.355	0.287	
1.240		0.0488	462.1-0124-006A0-XM X0BM	3	38	8.20	6.340	0.289	
1.250		0.0492	462.1-0125-006A0-XM X0BM	3	38	8.20	6.325	0.291	
1.260		0.0496	462.1-0126-006A0-XM X0BM	3	38	8.20	6.310	0.294	
1.270		0.0500	462.1-0127-006A0-XM X0BM	3	38	8.20	6.295	0.296	
1.280		0.0504	462.1-0128-006A0-XM X0BM	3	38	8.20	6.280	0.298	
1.290		0.0508	462.1-0129-006A0-XM X0BM	3	38	8.20	6.265	0.301	
1.300		0.0512	462.1-0130-006A0-XM X0BM	3	38	8.20	6.250	0.303	
1.310		0.0516	462.1-0131-007A0-XM X0BM	3	38	9.20	7.235	0.305	
1.320	55	0.0520	462.1-0132-007A0-XM X0BM	3	38	9.20	7.220	0.308	
1.330		0.0524	462.1-0133-007A0-XM X0BM	3	38	9.20	7.205	0.310	
1.340		0.0528	462.1-0134-007A0-XM X0BM	3	38	9.20	7.190	0.312	
1.350		0.0531	462.1-0135-007A0-XM X0BM	3	38	9.20	7.175	0.315	
1.360		0.0535	462.1-0136-007A0-XM X0BM	3	38	9.20	7.160	0.317	
1.370		0.0539	462.1-0137-007A0-XM X0BM	3	38	9.20	7.145	0.319	
1.380		0.0543	462.1-0138-007A0-XM X0BM	3	38	9.20	7.130	0.322	
1.390		0.0547	462.1-0139-007A0-XM X0BM	3	38	9.20	7.115	0.324	
1.400	54	0.0551	462.1-0140-007A0-XM X0BM	3	38	9.20	7.100	0.326	
1.410		0.0555	462.1-0141-007A0-XM X0BM	3	38	9.20	7.085	0.329	
1.420		0.0559	462.1-0142-007A0-XM X0BM	3	38	9.20	7.070	0.331	
1.430		0.0563	462.1-0143-007A0-XM X0BM	3	38	9.20	7.055	0.333	
1.440		0.0567	462.1-0144-007A0-XM X0BM	3	38	9.20	7.040	0.336	
1.450		0.0571	462.1-0145-007A0-XM X0BM	3	38	9.20	7.025	0.338	
1.460		0.0575	462.1-0146-007A0-XM X0BM	3	38	9.20	7.010	0.340	
1.470		0.0579	462.1-0147-006A0-XM X0BM	3	38	9.20	6.995	0.343	
1.480		0.0583	462.1-0148-006A0-XM X0BM	3	38	9.20	6.980	0.345	
1.490		0.0587	462.1-0149-006A0-XM X0BM	3	38	9.20	6.965	0.347	
1.500		0.0591	462.1-0150-006A0-XM X0BM	3	38	9.20	6.950	0.350	
1.510	53	0.0594	462.1-0151-008A0-XM X0BM	3	38	11.20	8.935	0.352	
1.520		0.0598	462.1-0152-008A0-XM X0BM	3	38	11.20	8.920	0.354	
1.530		0.0602	462.1-0153-008A0-XM X0BM	3	38	11.20	8.905	0.357	
1.540		0.0606	462.1-0154-008A0-XM X0BM	3	38	11.20	8.890	0.359	
1.550		0.0610	462.1-0155-008A0-XM X0BM	3	38	11.20	8.875	0.361	
1.560		0.0614	462.1-0156-008A0-XM X0BM	3	38	11.20	8.860	0.364	
1.570		0.0618	462.1-0157-008A0-XM X0BM	3	38	11.20	8.845	0.366	
1.580		0.0622	462.1-0158-008A0-XM X0BM	3	38	11.20	8.830	0.368	
1.590		0.0626	462.1-0159-008A0-XM X0BM	3	38	11.20	8.815	0.371	
1.600		0.0630	462.1-0160-008A0-XM X0BM	3	38	11.20	8.800	0.373	
1.610	52	0.0634	462.1-0161-008A0-XM X0BM	3	38	11.20	8.785	0.375	
1.620		0.0638	462.1-0162-008A0-XM X0BM	3	38	11.20	8.770	0.378	
1.630		0.0642	462.1-0163-008A0-XM X0BM	3	38	11.20	8.755	0.380	
1.640		0.0646	462.1-0164-008A0-XM X0BM	3	38	11.20	8.740	0.382	
1.650		0.0650	462.1-0165-008A0-XM X0BM	3	38	11.20	8.725	0.385	
1.660		0.0654	462.1-0166-008A0-XM X0BM	3	38	11.20	8.710	0.387	
1.670		0.0657	462.1-0167-008A0-XM X0BM	3	38	11.20	8.695	0.389	
1.680		0.0661	462.1-0168-008A0-XM X0BM	3	38	11.20	8.680	0.392	
1.690		0.0665	462.1-0169-008A0-XM X0BM	3	38	11.20	8.665	0.394	
1.700	51	0.0669	462.1-0170-008A0-XM X0BM	3	38	11.20	8.650	0.396	

TCHA: JS7
 SIG: 130°
 Grade: X0BM
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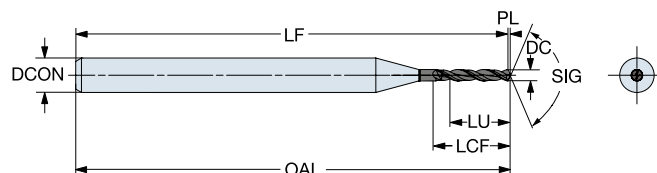
Order number			Dimensions, mm					Discount group 722	
DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL	
1.710		0.0673	462.1-0171-008A0-XM X0BM	3	38	11.20	8.635	0.399	
1.720		0.0677	462.1-0172-008A0-XM X0BM	3	38	11.20	8.620	0.401	
1.730		0.0681	462.1-0173-008A0-XM X0BM	3	38	11.20	8.605	0.403	
1.740		0.0685	462.1-0174-008A0-XM X0BM	3	38	11.20	8.590	0.406	
1.750		0.0689	462.1-0175-008A0-XM X0BM	3	38	11.20	8.575	0.408	
1.760		0.0693	462.1-0176-008A0-XM X0BM	3	38	11.20	8.560	0.410	
1.770		0.0697	462.1-0177-008A0-XM X0BM	3	38	11.20	8.545	0.413	
1.780	50	0.0701	462.1-0178-008A0-XM X0BM	3	38	11.20	8.530	0.415	
1.790		0.0705	462.1-0179-008A0-XM X0BM	3	38	11.20	8.515	0.417	
1.800		0.0709	462.1-0180-008A0-XM X0BM	3	38	11.20	8.500	0.420	
1.810		0.0713	462.1-0181-008A0-XM X0BM	3	38	11.20	8.485	0.422	
1.820		0.0717	462.1-0182-008A0-XM X0BM	3	38	11.20	8.470	0.424	
1.830		0.0720	462.1-0183-008A0-XM X0BM	3	38	11.20	8.455	0.427	
1.840		0.0724	462.1-0184-008A0-XM X0BM	3	38	11.20	8.440	0.429	
1.850	49	0.0728	462.1-0185-008A0-XM X0BM	3	38	11.20	8.425	0.431	
1.860		0.0732	462.1-0186-008A0-XM X0BM	3	38	11.20	8.410	0.434	
1.870		0.0736	462.1-0187-008A0-XM X0BM	3	38	11.20	8.395	0.436	
1.880		0.0740	462.1-0188-008A0-XM X0BM	3	38	11.20	8.380	0.438	
1.890		0.0744	462.1-0189-008A0-XM X0BM	3	38	11.20	8.365	0.441	
1.900		0.0748	462.1-0190-008A0-XM X0BM	3	38	11.20	8.350	0.443	
1.910		0.0752	462.1-0191-008A0-XM X0BM	3	38	11.20	8.335	0.445	
1.920		0.0756	462.1-0192-008A0-XM X0BM	3	38	11.20	8.320	0.448	
1.930	48	0.0760	462.1-0193-008A0-XM X0BM	3	38	11.20	8.305	0.450	
1.940		0.0764	462.1-0194-008A0-XM X0BM	3	38	11.20	8.290	0.452	
1.950		0.0768	462.1-0195-008A0-XM X0BM	3	38	11.20	8.275	0.455	
1.960		0.0772	462.1-0196-008A0-XM X0BM	3	38	11.20	8.260	0.457	
1.970		0.0776	462.1-0197-008A0-XM X0BM	3	38	11.20	8.245	0.459	
1.980		0.0780	462.1-0198-008A0-XM X0BM	3	38	11.20	8.230	0.462	
1.990	47	0.0783	462.1-0199-008A0-XM X0BM	3	38	11.20	8.215	0.464	
2.000		0.0787	462.1-0200-008A0-XM X0BM	3	38	11.20	8.200	0.466	
2.010		0.0791	462.1-0201-009A0-XM X0BM	3	38	12.50	9.485	0.469	
2.020		0.0795	462.1-0202-009A0-XM X0BM	3	38	12.50	9.470	0.471	
2.030		0.0799	462.1-0203-009A0-XM X0BM	3	38	12.50	9.455	0.473	
2.040		0.0803	462.1-0204-009A0-XM X0BM	3	38	12.50	9.440	0.476	
2.050		0.0807	462.1-0205-009A0-XM X0BM	3	38	12.50	9.425	0.478	
2.060	46	0.0811	462.1-0206-009A0-XM X0BM	3	38	12.50	9.410	0.480	
2.070		0.0815	462.1-0207-009A0-XM X0BM	3	38	12.50	9.395	0.483	
2.080	45	0.0819	462.1-0208-009A0-XM X0BM	3	38	12.50	9.380	0.485	
2.090		0.0823	462.1-0209-009A0-XM X0BM	3	38	12.50	9.365	0.487	
2.100		0.0827	462.1-0210-009A0-XM X0BM	3	38	12.50	9.350	0.490	
2.110		0.0831	462.1-0211-009A0-XM X0BM	3	38	12.50	9.335	0.492	
2.120		0.0835	462.1-0212-009A0-XM X0BM	3	38	12.50	9.320	0.494	
2.130		0.0839	462.1-0213-009A0-XM X0BM	3	38	12.50	9.305	0.497	
2.140		0.0843	462.1-0214-009A0-XM X0BM	3	38	12.50	9.290	0.499	
2.150		0.0846	462.1-0215-009A0-XM X0BM	3	38	12.50	9.275	0.501	
2.160		0.0850	462.1-0216-009A0-XM X0BM	3	38	12.50	9.260	0.504	
2.170		0.0854	462.1-0217-009A0-XM X0BM	3	38	12.50	9.245	0.506	
2.180	44	0.0858	462.1-0218-009A0-XM X0BM	3	38	12.50	9.230	0.508	
2.190		0.0862	462.1-0219-009A0-XM X0BM	3	38	12.50	9.215	0.511	
2.200		0.0866	462.1-0220-009A0-XM X0BM	3	38	12.50	9.200	0.513	
2.210		0.0870	462.1-0221-009A0-XM X0BM	3	38	12.50	9.185	0.515	

TCHA: JS7
 SIG: 130°
 Grade: X0BM
 Drilling depth: Up to 6xD



Order number			Dimensions, mm					Discount group 722
DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL
2.220		0.0874	462.1-0222-009A0-XM X0BM	3	38	12.50	9.170	0.518
2.230		0.0878	462.1-0223-009A0-XM X0BM	3	38	12.50	9.155	0.520
2.240		0.0882	462.1-0224-009A0-XM X0BM	3	38	12.50	9.140	0.522
2.250		0.0886	462.1-0225-009A0-XM X0BM	3	38	12.50	9.125	0.525
2.260	43	0.0890	462.1-0226-009A0-XM X0BM	3	38	12.50	9.110	0.527
2.270		0.0894	462.1-0227-009A0-XM X0BM	3	38	12.50	9.095	0.529
2.280		0.0898	462.1-0228-009A0-XM X0BM	3	38	12.50	9.080	0.532
2.290		0.0902	462.1-0229-009A0-XM X0BM	3	38	12.50	9.065	0.534
2.300		0.0906	462.1-0230-009A0-XM X0BM	3	38	12.50	9.050	0.536
2.310		0.0909	462.1-0231-009A0-XM X0BM	3	38	12.50	9.035	0.539
2.320		0.0913	462.1-0232-009A0-XM X0BM	3	38	12.50	9.020	0.541
2.330		0.0917	462.1-0233-009A0-XM X0BM	3	38	12.50	9.005	0.543
2.340		0.0921	462.1-0234-008A0-XM X0BM	3	38	12.50	8.990	0.546
2.350		0.0925	462.1-0235-008A0-XM X0BM	3	38	12.50	8.975	0.548
2.360		0.0929	462.1-0236-008A0-XM X0BM	3	38	12.50	8.960	0.550
2.370	42	0.0933	462.1-0237-008A0-XM X0BM	3	38	12.50	8.945	0.553
2.380		0.0937	462.1-0238-008A0-XM X0BM	3	38	12.50	8.930	0.555
2.390		0.0941	462.1-0239-008A0-XM X0BM	3	38	12.50	8.915	0.557
2.400		0.0945	462.1-0240-008A0-XM X0BM	3	38	12.50	8.900	0.560
2.410		0.0949	462.1-0241-008A0-XM X0BM	3	38	12.50	8.885	0.562
2.420		0.0953	462.1-0242-008A0-XM X0BM	3	38	12.50	8.870	0.564
2.430		0.0957	462.1-0243-008A0-XM X0BM	3	38	12.50	8.855	0.567
2.440	41	0.0961	462.1-0244-008A0-XM X0BM	3	38	12.50	8.840	0.569
2.450		0.0965	462.1-0245-008A0-XM X0BM	3	38	12.50	8.825	0.571
2.460		0.0969	462.1-0246-008A0-XM X0BM	3	38	12.50	8.810	0.574
2.470		0.0972	462.1-0247-008A0-XM X0BM	3	38	12.50	8.795	0.576
2.480		0.0976	462.1-0248-008A0-XM X0BM	3	38	12.50	8.780	0.578
2.490	40	0.0980	462.1-0249-008A0-XM X0BM	3	38	12.50	8.765	0.581
2.500		0.0984	462.1-0250-010A0-XM X0BM	3	38	14.00	10.250	0.583
2.510		0.0988	462.1-0251-010A0-XM X0BM	3	38	14.00	10.235	0.585
2.520		0.0992	462.1-0252-010A0-XM X0BM	3	38	14.00	10.220	0.588
2.530	39	0.0996	462.1-0253-010A0-XM X0BM	3	38	14.00	10.205	0.590
2.540		0.1000	462.1-0254-010A0-XM X0BM	3	38	14.00	10.190	0.592
2.550		0.1004	462.1-0255-010A0-XM X0BM	3	38	14.00	10.175	0.595
2.560		0.1008	462.1-0256-010A0-XM X0BM	3	38	14.00	10.160	0.597
2.570		0.1012	462.1-0257-010A0-XM X0BM	3	38	14.00	10.145	0.599
2.580	38	0.1016	462.1-0258-010A0-XM X0BM	3	38	14.00	10.130	0.602
2.590		0.1020	462.1-0259-010A0-XM X0BM	3	38	14.00	10.115	0.604
2.600		0.1024	462.1-0260-010A0-XM X0BM	3	38	14.00	10.100	0.606
2.610		0.1028	462.1-0261-010A0-XM X0BM	3	38	14.00	10.085	0.609
2.620		0.1031	462.1-0262-010A0-XM X0BM	3	38	14.00	10.070	0.611
2.630		0.1035	462.1-0263-010A0-XM X0BM	3	38	14.00	10.055	0.613
2.640	37	0.1039	462.1-0264-010A0-XM X0BM	3	38	14.00	10.040	0.616
2.650		0.1043	462.1-0265-010A0-XM X0BM	3	38	14.00	10.025	0.618
2.660		0.1047	462.1-0266-010A0-XM X0BM	3	38	14.00	10.010	0.620
2.670		0.1051	462.1-0267-009A0-XM X0BM	3	38	14.00	9.995	0.623
2.680		0.1055	462.1-0268-009A0-XM X0BM	3	38	14.00	9.980	0.625
2.690		0.1059	462.1-0269-009A0-XM X0BM	3	38	14.00	9.965	0.627
2.700		0.1063	462.1-0270-009A0-XM X0BM	3	38	14.00	9.950	0.630
2.710	36	0.1067	462.1-0271-009A0-XM X0BM	3	38	14.00	9.935	0.632

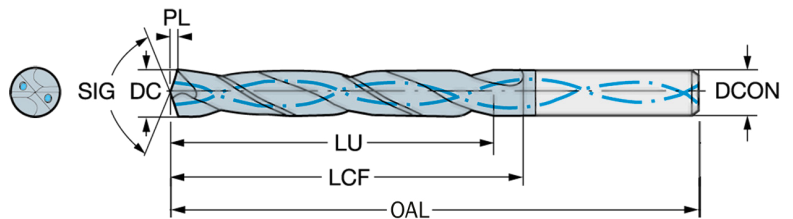
TCHA: JS7
 SIG: 130°
 Grade: X0BM
 Drilling depth: Up to 6xD



			Order number	Dimensions, mm					Discount group 722
DC Metric	Number	DC Inch		DCON	OAL	LCF	LU	PL	
2.720		0.1071	462.1-0272-009A0-XM X0BM	3	38	14.00	9.920	0.634	
2.730		0.1075	462.1-0273-009A0-XM X0BM	3	38	14.00	9.905	0.637	
2.740		0.1079	462.1-0274-009A0-XM X0BM	3	38	14.00	9.890	0.639	
2.750		0.1083	462.1-0275-009A0-XM X0BM	3	38	14.00	9.875	0.641	
2.760		0.1087	462.1-0276-009A0-XM X0BM	3	38	14.00	9.860	0.644	
2.770		0.1091	462.1-0277-009A0-XM X0BM	3	38	14.00	9.845	0.646	
2.780		0.1094	462.1-0278-009A0-XM X0BM	3	38	14.00	9.830	0.648	
2.790	35	0.1098	462.1-0279-009A0-XM X0BM	3	38	14.00	9.815	0.650	
2.800		0.1102	462.1-0280-009A0-XM X0BM	3	38	14.00	9.800	0.653	
2.810		0.1106	462.1-0281-009A0-XM X0BM	3	38	14.00	9.785	0.655	
2.820	34	0.1110	462.1-0282-009A0-XM X0BM	3	38	14.00	9.770	0.657	
2.830		0.1114	462.1-0283-009A0-XM X0BM	3	38	14.00	9.755	0.660	
2.840		0.1118	462.1-0284-009A0-XM X0BM	3	38	14.00	9.740	0.662	
2.850		0.1122	462.1-0285-009A0-XM X0BM	3	38	14.00	9.725	0.664	
2.860		0.1126	462.1-0286-009A0-XM X0BM	3	38	14.00	9.710	0.667	
2.870	33	0.1130	462.1-0287-009A0-XM X0BM	3	38	14.00	9.695	0.669	
2.880		0.1134	462.1-0288-009A0-XM X0BM	3	38	14.00	9.680	0.671	
2.890		0.1138	462.1-0289-009A0-XM X0BM	3	38	14.00	9.665	0.674	
2.900		0.1142	462.1-0290-009A0-XM X0BM	3	38	14.00	9.650	0.676	
2.910		0.1146	462.1-0291-009A0-XM X0BM	3	38	14.00	9.635	0.678	
2.920		0.1150	462.1-0292-009A0-XM X0BM	3	38	14.00	9.620	0.681	
2.930		0.1154	462.1-0293-009A0-XM X0BM	3	38	14.00	9.605	0.683	
2.940		0.1157	462.1-0294-009A0-XM X0BM	3	38	14.00	9.590	0.685	
2.950	32	0.1161	462.1-0295-009A0-XM X0BM	3	38	14.00	9.575	0.688	
2.960		0.1165	462.1-0296-009A0-XM X0BM	3	38	14.00	9.560	0.690	
2.970		0.1169	462.1-0297-009A0-XM X0BM	3	38	14.00	9.545	0.692	
2.980		0.1173	462.1-0298-009A0-XM X0BM	3	38	14.00	9.530	0.695	
2.990		0.1177	462.1-0299-009A0-XM X0BM	3	38	14.00	9.515	0.697	
3.000		0.1181	462.1-0300-009A0-XM X0BM	3	38	14.00	9.500	0.699	

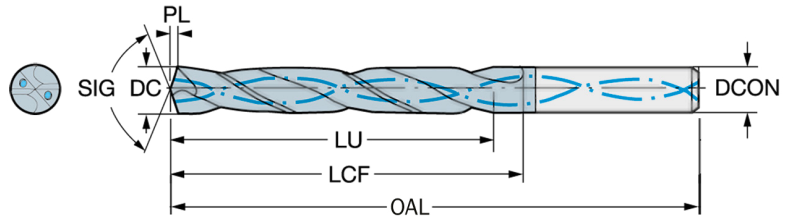


TCHA: H9
SIG: 140°
Grade: X2BM



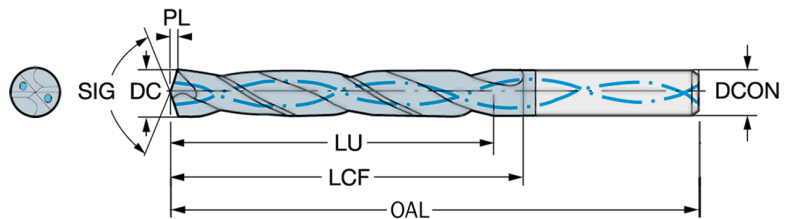
				Order number		Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
3.000	3xD	0.1181		462.1-0300-009A0-XM X2BM	462.1-0300-009A1-XM X2BM	6	62	20	9.4	0.55	DIN 6537 K	
3.000	5xD	0.1181		462.1-0300-015A0-XM X2BM	462.1-0300-015A1-XM X2BM	6	66	28	15.4	0.55	DIN 6537 L	
3.000	8xD	0.1181			462.1-0300-023A1-XM X2BM	6	79	37	24.4	0.55	COROMANT	
3.050	3xD	0.1201		462.1-0305-009A0-XM X2BM	462.1-0305-009A1-XM X2BM	6	62	20	9.6	0.56	DIN 6537 K	
3.050	5xD	0.1201		462.1-0305-015A0-XM X2BM	462.1-0305-015A1-XM X2BM	6	66	28	15.7	0.56	DIN 6537 L	
3.050	8xD	0.1201			462.1-0305-023A1-XM X2BM	6	79	37	24.8	0.56	COROMANT	
3.100	3xD	0.1220		462.1-0310-009A0-XM X2BM	462.1-0310-009A1-XM X2BM	6	62	20	9.8	0.56	DIN 6537 K	
3.100	5xD	0.1220		462.1-0310-016A0-XM X2BM	462.1-0310-016A1-XM X2BM	6	66	28	16.0	0.56	DIN 6537 L	
3.100	8xD	0.1220			462.1-0310-023A1-XM X2BM	6	79	37	25.3	0.56	COROMANT	
3.150	3xD	0.1240		462.1-0315-009A0-XM X2BM	462.1-0315-009A1-XM X2BM	6	62	20	9.9	0.57	DIN 6537 K	
3.150	5xD	0.1240		462.1-0315-016A0-XM X2BM	462.1-0315-016A1-XM X2BM	6	66	28	16.2	0.57	DIN 6537 L	
3.150	8xD	0.1240			462.1-0315-023A1-XM X2BM	6	79	37	25.7	0.57	COROMANT	
3.175	3xD	0.1250	1/8"	462.1-0318-010A0-XM X2BM	462.1-0318-010A1-XM X2BM	6	62	20	10.0	0.58	DIN 6537 K	
3.175	5xD	0.1250	1/8"	462.1-0318-016A0-XM X2BM	462.1-0318-016A1-XM X2BM	6	66	28	16.4	0.58	DIN 6537 L	
3.175	8xD	0.1250	1/8"		462.1-0318-024A1-XM X2BM	6	79	37	25.9	0.58	COROMANT	
3.200	3xD	0.1260		462.1-0320-010A0-XM X2BM	462.1-0320-010A1-XM X2BM	6	62	20	10.1	0.58	DIN 6537 K	
3.200	5xD	0.1260		462.1-0320-016A0-XM X2BM	462.1-0320-016A1-XM X2BM	6	66	28	16.5	0.58	DIN 6537 L	
3.200	8xD	0.1260			462.1-0320-024A1-XM X2BM	6	79	37	26.1	0.58	COROMANT	
3.260	3xD	0.1283		462.1-0326-010A0-XM X2BM	462.1-0326-010A1-XM X2BM	6	62	20	10.3	0.59	DIN 6537 K	
3.260	5xD	0.1283		462.1-0326-016A0-XM X2BM	462.1-0326-016A1-XM X2BM	6	66	28	16.8	0.59	DIN 6537 L	
3.260	8xD	0.1283			462.1-0326-024A1-XM X2BM	6	79	37	26.6	0.59	COROMANT	
3.300	3xD	0.1299		462.1-0330-010A0-XM X2BM	462.1-0330-010A1-XM X2BM	6	62	20	10.4	0.60	DIN 6537 K	
3.300	5xD	0.1299		462.1-0330-017A0-XM X2BM	462.1-0330-017A1-XM X2BM	6	66	28	17.0	0.60	DIN 6537 L	
3.300	8xD	0.1299			462.1-0330-025A1-XM X2BM	6	79	37	26.9	0.60	COROMANT	
3.350	3xD	0.1319		462.1-0335-010A0-XM X2BM	462.1-0335-010A1-XM X2BM	6	62	20	10.5	0.61	DIN 6537 K	
3.350	5xD	0.1319		462.1-0335-017A0-XM X2BM	462.1-0335-017A1-XM X2BM	6	66	28	17.2	0.61	DIN 6537 L	
3.350	8xD	0.1319			462.1-0335-025A1-XM X2BM	6	79	37	27.3	0.61	COROMANT	
3.380	3xD	0.1331		462.1-0338-010A0-XM X2BM	462.1-0338-010A1-XM X2BM	6	62	20	10.6	0.62	DIN 6537 K	
3.380	5xD	0.1331		462.1-0338-017A0-XM X2BM	462.1-0338-017A1-XM X2BM	6	66	28	17.4	0.62	DIN 6537 L	
3.380	8xD	0.1331			462.1-0338-025A1-XM X2BM	6	79	37	27.5	0.62	COROMANT	
3.400	3xD	0.1339		462.1-0340-010A0-XM X2BM	462.1-0340-010A1-XM X2BM	6	62	20	10.7	0.62	DIN 6537 K	
3.400	5xD	0.1339		462.1-0340-017A0-XM X2BM	462.1-0340-017A1-XM X2BM	6	66	28	17.5	0.62	DIN 6537 L	
3.400	8xD	0.1339			462.1-0340-026A1-XM X2BM	6	79	37	27.7	0.62	COROMANT	
3.450	3xD	0.1358		462.1-0345-010A0-XM X2BM	462.1-0345-010A1-XM X2BM	6	62	20	10.9	0.63	DIN 6537 K	
3.450	5xD	0.1358		462.1-0345-017A0-XM X2BM	462.1-0345-017A1-XM X2BM	6	66	28	17.8	0.63	DIN 6537 L	
3.450	8xD	0.1358			462.1-0345-026A1-XM X2BM	6	79	37	28.1	0.63	COROMANT	
3.500	3xD	0.1378		462.1-0350-011A0-XM X2BM	462.1-0350-011A1-XM X2BM	6	62	20	11.0	0.64	DIN 6537 K	
3.500	5xD	0.1378		462.1-0350-018A0-XM X2BM	462.1-0350-018A1-XM X2BM	6	66	28	18.0	0.64	DIN 6537 L	
3.500	8xD	0.1378			462.1-0350-026A1-XM X2BM	6	79	37	28.5	0.64	COROMANT	
3.572	3xD	0.1406	9/64"	462.1-0357-011A0-XM X2BM	462.1-0357-011A1-XM X2BM	6	62	20	11.2	0.65	DIN 6537 K	
3.572	5xD	0.1406	9/64"	462.1-0357-018A0-XM X2BM	462.1-0357-018A1-XM X2BM	6	66	28	18.4	0.65	DIN 6537 L	
3.572	8xD	0.1406	9/64"		462.1-0357-027A1-XM X2BM	6	79	37	29.1	0.65	COROMANT	
3.600	3xD	0.1417		462.1-0360-011A0-XM X2BM	462.1-0360-011A1-XM X2BM	6	62	20	11.3	0.66	DIN 6537 K	
3.600	5xD	0.1417		462.1-0360-018A0-XM X2BM	462.1-0360-018A1-XM X2BM	6	66	28	18.5	0.66	DIN 6537 L	
3.600	8xD	0.1417			462.1-0360-027A1-XM X2BM	6	79	37	29.3	0.66	COROMANT	
3.660	3xD	0.1441		462.1-0366-011A0-XM X2BM	462.1-0366-011A1-XM X2BM	6	62	20	11.5	0.67	DIN 6537 K	
3.660	5xD	0.1441		462.1-0366-018A0-XM X2BM	462.1-0366-018A1-XM X2BM	6	66	28	18.8	0.67	DIN 6537 L	
3.660	8xD	0.1441			462.1-0366-027A1-XM X2BM	6	79	37	29.8	0.67	COROMANT	
3.700	3xD	0.1457		462.1-0370-011A0-XM X2BM	462.1-0370-011A1-XM X2BM	6	62	20	11.6	0.67	DIN 6537 K	
3.700	5xD	0.1457		462.1-0370-019A0-XM X2BM	462.1-0370-019A1-XM X2BM	6	66	28	19.0	0.67	DIN 6537 L	
3.700	8xD	0.1457			462.1-0370-028A1-XM X2BM	6	79	37	30.1	0.67	COROMANT	
3.730	3xD	0.1469		462.1-0373-011A0-XM X2BM	462.1-0373-011A1-XM X2BM	6	62	20	11.7	0.68	DIN 6537 K	
3.730	5xD	0.1469		462.1-0373-019A0-XM X2BM	462.1-0373-019A1-XM X2BM	6	66	28	19.2	0.68	DIN 6537 L	
3.730	8xD	0.1469			462.1-0373-028A1-XM X2BM	6	79	37	30.4	0.68	COROMANT	
3.800	3xD	0.1496		462.1-0380-011A0-XM X2BM	462.1-0380-011A1-XM X2BM	6	66	24	12.0	0.69	DIN 6537 K	
3.800	5xD	0.1496		462.1-0380-019A0-XM X2BM	462.1-0380-019A1-XM X2BM	6	74	36	19.6	0.69	DIN 6537 L	

TCHA: H9
SIG: 140°
Grade: X2BM



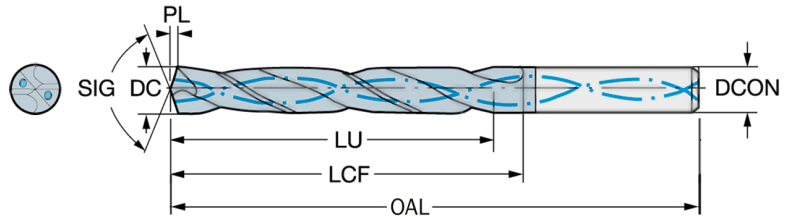
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
3.800	8xD	0.1496			462.1-0380-029A1-XM X2BM	6	90	48	31.0	0.69	COROMANT	
3.860	3xD	0.1520		462.1-0386-011A0-XM X2BM	462.1-0386-011A1-XM X2BM	6	66	24	12.1	0.70	DIN 6537 K	
3.860	5xD	0.1520		462.1-0386-019A0-XM X2BM	462.1-0386-019A1-XM X2BM	6	74	36	19.9	0.70	DIN 6537 L	
3.860	8xD	0.1520			462.1-0386-029A1-XM X2BM	6	90	48	31.4	0.70	COROMANT	
3.900	3xD	0.1535		462.1-0390-012A0-XM X2BM	462.1-0390-012A1-XM X2BM	6	66	24	12.3	0.71	DIN 6537 K	
3.900	5xD	0.1535		462.1-0390-020A0-XM X2BM	462.1-0390-020A1-XM X2BM	6	74	36	20.1	0.71	DIN 6537 L	
3.900	8xD	0.1535			462.1-0390-029A1-XM X2BM	6	90	48	31.8	0.71	COROMANT	
3.910	3xD	0.1539		462.1-0391-012A0-XM X2BM	462.1-0391-012A1-XM X2BM	6	66	24	12.3	0.71	DIN 6537 K	
3.910	5xD	0.1539		462.1-0391-020A0-XM X2BM	462.1-0391-020A1-XM X2BM	6	74	36	20.1	0.71	DIN 6537 L	
3.910	8xD	0.1539			462.1-0391-029A1-XM X2BM	6	90	48	31.9	0.71	COROMANT	
3.969	3xD	0.1563	5/32"	462.1-0397-012A0-XM X2BM	462.1-0397-012A1-XM X2BM	6	66	24	12.5	0.72	DIN 6537 K	
3.969	5xD	0.1563	5/32"	462.1-0397-020A0-XM X2BM	462.1-0397-020A1-XM X2BM	6	74	36	20.4	0.72	DIN 6537 L	
3.969	8xD	0.1563	5/32"		462.1-0397-030A1-XM X2BM	6	90	48	32.3	0.72	COROMANT	
3.990	3xD	0.1571		462.1-0399-012A0-XM X2BM	462.1-0399-012A1-XM X2BM	6	66	24	12.6	0.73	DIN 6537 K	
3.990	5xD	0.1571		462.1-0399-020A0-XM X2BM	462.1-0399-020A1-XM X2BM	6	74	36	20.5	0.73	DIN 6537 L	
3.990	8xD	0.1571			462.1-0399-030A1-XM X2BM	6	90	48	32.5	0.73	COROMANT	
4.000	3xD	0.1575		462.1-0400-012A0-XM X2BM	462.1-0400-012A1-XM X2BM	6	66	24	12.6	0.73	DIN 6537 K	
4.000	5xD	0.1575		462.1-0400-020A0-XM X2BM	462.1-0400-020A1-XM X2BM	6	74	36	20.6	0.73	DIN 6537 L	
4.000	8xD	0.1575			462.1-0400-030A1-XM X2BM	6	90	48	32.6	0.73	COROMANT	
4.040	3xD	0.1591		462.1-0404-012A0-XM X2BM	462.1-0404-012A1-XM X2BM	6	66	24	12.7	0.74	DIN 6537 K	
4.040	5xD	0.1591		462.1-0404-020A0-XM X2BM	462.1-0404-020A1-XM X2BM	6	74	36	20.8	0.74	DIN 6537 L	
4.040	8xD	0.1591			462.1-0404-030A1-XM X2BM	6	90	48	32.9	0.74	COROMANT	
4.050	3xD	0.1594		462.1-0405-012A0-XM X2BM	462.1-0405-012A1-XM X2BM	6	66	24	12.7	0.74	DIN 6537 K	
4.050	5xD	0.1594		462.1-0405-020A0-XM X2BM	462.1-0405-020A1-XM X2BM	6	74	36	20.8	0.74	DIN 6537 L	
4.050	8xD	0.1594			462.1-0405-030A1-XM X2BM	6	90	48	33.0	0.74	COROMANT	
4.090	3xD	0.1610		462.1-0409-012A0-XM X2BM	462.1-0409-012A1-XM X2BM	6	66	24	12.9	0.74	DIN 6537 K	
4.090	5xD	0.1610		462.1-0409-020A0-XM X2BM	462.1-0409-020A1-XM X2BM	6	74	36	21.1	0.74	DIN 6537 L	
4.090	8xD	0.1610			462.1-0409-030A1-XM X2BM	6	90	48	33.3	0.74	COROMANT	
4.100	3xD	0.1614		462.1-0410-012A0-XM X2BM	462.1-0410-012A1-XM X2BM	6	66	24	12.9	0.75	DIN 6537 K	
4.100	5xD	0.1614		462.1-0410-021A0-XM X2BM	462.1-0410-021A1-XM X2BM	6	74	36	21.1	0.75	DIN 6537 L	
4.100	8xD	0.1614			462.1-0410-031A1-XM X2BM	6	90	48	33.4	0.75	COROMANT	
4.150	3xD	0.1634		462.1-0415-012A0-XM X2BM	462.1-0415-012A1-XM X2BM	6	66	24	13.1	0.76	DIN 6537 K	
4.150	5xD	0.1634		462.1-0415-021A0-XM X2BM	462.1-0415-021A1-XM X2BM	6	74	36	21.4	0.76	DIN 6537 L	
4.150	8xD	0.1634			462.1-0415-031A1-XM X2BM	6	90	48	33.8	0.76	COROMANT	
4.200	3xD	0.1654		462.1-0420-013A0-XM X2BM	462.1-0420-013A1-XM X2BM	6	66	24	13.2	0.76	DIN 6537 K	
4.200	5xD	0.1654		462.1-0420-021A0-XM X2BM	462.1-0420-021A1-XM X2BM	6	74	36	21.6	0.76	DIN 6537 L	
4.200	8xD	0.1654			462.1-0420-032A1-XM X2BM	6	90	48	34.2	0.76	COROMANT	
4.220	3xD	0.1661		462.1-0422-013A0-XM X2BM	462.1-0422-013A1-XM X2BM	6	66	24	13.3	0.77	DIN 6537 K	
4.220	5xD	0.1661		462.1-0422-021A0-XM X2BM	462.1-0422-021A1-XM X2BM	6	74	36	21.7	0.77	DIN 6537 L	
4.220	8xD	0.1661			462.1-0422-032A1-XM X2BM	6	90	48	34.4	0.77	COROMANT	
4.250	3xD	0.1673		462.1-0425-013A0-XM X2BM	462.1-0425-013A1-XM X2BM	6	66	24	13.4	0.77	DIN 6537 K	
4.250	5xD	0.1673		462.1-0425-021A0-XM X2BM	462.1-0425-021A1-XM X2BM	6	74	36	21.9	0.77	DIN 6537 L	
4.250	8xD	0.1673			462.1-0425-032A1-XM X2BM	6	90	48	34.6	0.77	COROMANT	
4.300	3xD	0.1693		462.1-0430-013A0-XM X2BM	462.1-0430-013A1-XM X2BM	6	66	24	13.5	0.78	DIN 6537 K	
4.300	5xD	0.1693		462.1-0430-022A0-XM X2BM	462.1-0430-022A1-XM X2BM	6	74	36	22.1	0.78	DIN 6537 L	
4.300	8xD	0.1693			462.1-0430-032A1-XM X2BM	6	90	48	35.0	0.78	COROMANT	
4.310	3xD	0.1697		462.1-0431-013A0-XM X2BM	462.1-0431-013A1-XM X2BM	6	66	24	13.6	0.78	DIN 6537 K	
4.310	5xD	0.1697		462.1-0431-022A0-XM X2BM	462.1-0431-022A1-XM X2BM	6	74	36	22.2	0.78	DIN 6537 L	
4.310	8xD	0.1697			462.1-0431-032A1-XM X2BM	6	90	48	35.1	0.78	COROMANT	
4.350	3xD	0.1713		462.1-0435-013A0-XM X2BM	462.1-0435-013A1-XM X2BM	6	66	24	13.7	0.79	DIN 6537 K	
4.350	5xD	0.1713		462.1-0435-022A0-XM X2BM	462.1-0435-022A1-XM X2BM	6	74	36	22.4	0.79	DIN 6537 L	
4.350	8xD	0.1713			462.1-0435-032A1-XM X2BM	6	90	48	35.4	0.79	COROMANT	
4.366	3xD	0.1719	11/64"	462.1-0437-013A0-XM X2BM	462.1-0437-013A1-XM X2BM	6	66	24	13.8	0.79	DIN 6537 K	
4.366	5xD	0.1719	11/64"	462.1-0437-022A0-XM X2BM	462.1-0437-022A1-XM X2BM	6	74	36	22.5	0.79	DIN 6537 L	
4.366	8xD	0.1719	11/64"		462.1-0437-033A1-XM X2BM	6	90	48	35.6	0.79	COROMANT	
4.390	3xD	0.1728		462.1-0439-013A0-XM X2BM	462.1-0439-013A1-XM X2BM	6	66	24	13.8	0.80	DIN 6537 K	

TCHA: H9
SIG: 140°
Grade: X2BM



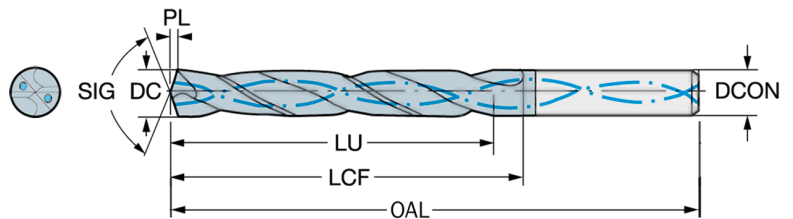
				Order number		Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
4.390	5xD	0.1728		462.1-0439-022A0-XM X2BM	462.1-0439-022A1-XM X2BM	6	74	36	22.6	0.80	DIN 6537 L	
4.390	8xD	0.1728			462.1-0439-033A1-XM X2BM	6	90	48	35.8	0.80	COROMANT	
4.400	3xD	0.1732		462.1-0440-013A0-XM X2BM	462.1-0440-013A1-XM X2BM	6	66	24	13.8	0.80	DIN 6537 K	
4.400	5xD	0.1732		462.1-0440-022A0-XM X2BM	462.1-0440-022A1-XM X2BM	6	74	36	22.6	0.80	DIN 6537 L	
4.400	8xD	0.1732			462.1-0440-033A1-XM X2BM	6	90	48	35.8	0.80	COROMANT	
4.450	3xD	0.1752		462.1-0445-013A0-XM X2BM	462.1-0445-013A1-XM X2BM	6	66	24	14.0	0.81	DIN 6537 K	
4.450	5xD	0.1752		462.1-0445-022A0-XM X2BM	462.1-0445-022A1-XM X2BM	6	74	36	22.9	0.81	DIN 6537 L	
4.450	8xD	0.1752			462.1-0445-033A1-XM X2BM	6	90	48	36.3	0.81	COROMANT	
4.500	3xD	0.1772		462.1-0450-014A0-XM X2BM	462.1-0450-014A1-XM X2BM	6	66	24	14.2	0.82	DIN 6537 K	
4.500	5xD	0.1772		462.1-0450-023A0-XM X2BM	462.1-0450-023A1-XM X2BM	6	74	36	23.2	0.82	DIN 6537 L	
4.500	8xD	0.1772			462.1-0450-034A1-XM X2BM	6	90	48	36.7	0.82	COROMANT	
4.570	3xD	0.1799		462.1-0457-014A0-XM X2BM	462.1-0457-014A1-XM X2BM	6	66	24	14.4	0.83	DIN 6537 K	
4.570	5xD	0.1799		462.1-0457-023A0-XM X2BM	462.1-0457-023A1-XM X2BM	6	74	36	23.5	0.83	DIN 6537 L	
4.570	8xD	0.1799			462.1-0457-034A1-XM X2BM	6	90	48	37.2	0.83	COROMANT	
4.600	3xD	0.1811		462.1-0460-014A0-XM X2BM	462.1-0460-014A1-XM X2BM	6	66	24	14.5	0.84	DIN 6537 K	
4.600	5xD	0.1811		462.1-0460-023A0-XM X2BM	462.1-0460-023A1-XM X2BM	6	74	36	23.7	0.84	DIN 6537 L	
4.600	8xD	0.1811			462.1-0460-035A1-XM X2BM	6	90	48	37.5	0.84	COROMANT	
4.620	3xD	0.1819		462.1-0462-014A0-XM X2BM	462.1-0462-014A1-XM X2BM	6	66	24	14.5	0.84	DIN 6537 K	
4.620	5xD	0.1819		462.1-0462-023A0-XM X2BM	462.1-0462-023A1-XM X2BM	6	74	36	23.8	0.84	DIN 6537 L	
4.620	8xD	0.1819			462.1-0462-035A1-XM X2BM	6	90	48	37.6	0.84	COROMANT	
4.700	3xD	0.1850		462.1-0470-014A0-XM X2BM	462.1-0470-014A1-XM X2BM	6	66	24	14.8	0.86	DIN 6537 K	
4.700	5xD	0.1850		462.1-0470-024A0-XM X2BM	462.1-0470-024A1-XM X2BM	6	74	36	24.2	0.86	DIN 6537 L	
4.700	8xD	0.1850			462.1-0470-035A1-XM X2BM	6	90	48	38.3	0.86	COROMANT	
4.763	3xD	0.1875	3/16"	462.1-0476-014A0-XM X2BM	462.1-0476-014A1-XM X2BM	6	66	28	15.0	0.87	DIN 6537 K	
4.763	5xD	0.1875	3/16"	462.1-0476-024A0-XM X2BM	462.1-0476-024A1-XM X2BM	6	82	44	24.5	0.87	DIN 6537 L	
4.763	8xD	0.1875	3/16"		462.1-0476-036A1-XM X2BM	6	104	62	38.8	0.87	COROMANT	
4.800	3xD	0.1890		462.1-0480-014A0-XM X2BM	462.1-0480-014A1-XM X2BM	6	66	28	15.1	0.87	DIN 6537 K	
4.800	5xD	0.1890		462.1-0480-024A0-XM X2BM	462.1-0480-024A1-XM X2BM	6	82	44	24.7	0.87	DIN 6537 L	
4.800	8xD	0.1890			462.1-0480-036A1-XM X2BM	6	104	62	39.1	0.87	COROMANT	
4.850	3xD	0.1909		462.1-0485-014A0-XM X2BM	462.1-0485-014A1-XM X2BM	6	66	28	15.3	0.88	DIN 6537 K	
4.850	5xD	0.1909		462.1-0485-024A0-XM X2BM	462.1-0485-024A1-XM X2BM	6	82	44	25.0	0.88	DIN 6537 L	
4.850	8xD	0.1909			462.1-0485-036A1-XM X2BM	6	104	62	39.5	0.88	COROMANT	
4.900	3xD	0.1929		462.1-0490-015A0-XM X2BM	462.1-0490-015A1-XM X2BM	6	66	28	15.4	0.89	DIN 6537 K	
4.900	5xD	0.1929		462.1-0490-025A0-XM X2BM	462.1-0490-025A1-XM X2BM	6	82	44	25.2	0.89	DIN 6537 L	
4.900	8xD	0.1929			462.1-0490-036A1-XM X2BM	6	104	62	39.9	0.89	COROMANT	
4.920	3xD	0.1937		462.1-0492-015A0-XM X2BM	462.1-0492-015A1-XM X2BM	6	66	28	15.5	0.90	DIN 6537 K	
4.920	5xD	0.1937		462.1-0492-025A0-XM X2BM	462.1-0492-025A1-XM X2BM	6	82	44	25.3	0.90	DIN 6537 L	
4.920	8xD	0.1937			462.1-0492-036A1-XM X2BM	6	104	62	40.1	0.90	COROMANT	
4.980	3xD	0.1961		462.1-0498-015A0-XM X2BM	462.1-0498-015A1-XM X2BM	6	66	28	15.7	0.91	DIN 6537 K	
4.980	5xD	0.1961		462.1-0498-025A0-XM X2BM	462.1-0498-025A1-XM X2BM	6	82	44	25.6	0.91	DIN 6537 L	
4.980	8xD	0.1961			462.1-0498-036A1-XM X2BM	6	104	62	40.6	0.91	COROMANT	
5.000	3xD	0.1969		462.1-0500-015A0-XM X2BM	462.1-0500-015A1-XM X2BM	6	66	28	15.7	0.91	DIN 6537 K	
5.000	5xD	0.1969		462.1-0500-025A0-XM X2BM	462.1-0500-025A1-XM X2BM	6	82	44	25.7	0.91	DIN 6537 L	
5.000	8xD	0.1969			462.1-0500-038A1-XM X2BM	6	104	62	40.7	0.91	COROMANT	
5.050	3xD	0.1988		462.1-0505-015A0-XM X2BM	462.1-0505-015A1-XM X2BM	6	66	28	15.9	0.92	DIN 6537 K	
5.050	5xD	0.1988		462.1-0505-025A0-XM X2BM	462.1-0505-025A1-XM X2BM	6	82	44	26.0	0.92	DIN 6537 L	
5.050	8xD	0.1988			462.1-0505-038A1-XM X2BM	6	104	62	41.1	0.92	COROMANT	
5.060	3xD	0.1992		462.1-0506-015A0-XM X2BM	462.1-0506-015A1-XM X2BM	6	66	28	15.9	0.92	DIN 6537 K	
5.060	5xD	0.1992		462.1-0506-025A0-XM X2BM	462.1-0506-025A1-XM X2BM	6	82	44	26.0	0.92	DIN 6537 L	
5.060	8xD	0.1992			462.1-0506-038A1-XM X2BM	6	104	62	41.2	0.92	COROMANT	
5.100	3xD	0.2008		462.1-0510-015A0-XM X2BM	462.1-0510-015A1-XM X2BM	6	66	28	16.0	0.93	DIN 6537 K	
5.100	5xD	0.2008		462.1-0510-026A0-XM X2BM	462.1-0510-026A1-XM X2BM	6	82	44	26.2	0.93	DIN 6537 L	
5.100	8xD	0.2008			462.1-0510-038A1-XM X2BM	6	104	62	41.5	0.93	COROMANT	
5.110	3xD	0.2012		462.1-0511-015A0-XM X2BM	462.1-0511-015A1-XM X2BM	6	66	28	16.1	0.93	DIN 6537 K	
5.110	5xD	0.2012		462.1-0511-026A0-XM X2BM	462.1-0511-026A1-XM X2BM	6	82	44	26.3	0.93	DIN 6537 L	
5.110	8xD	0.2012			462.1-0511-038A1-XM X2BM	6	104	62	41.6	0.93	COROMANT	

TCHA: H9
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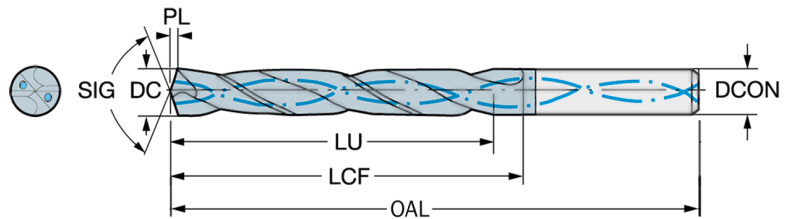
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
5.159	3xD	0.2031	13/64"	462.1-0516-016A0-XM X2BM	462.1-0516-016A1-XM X2BM	6	66	28	16.2	0.94	DIN 6537 K	
5.159	5xD	0.2031	13/64"	462.1-0516-026A0-XM X2BM	462.1-0516-026A1-XM X2BM	6	82	44	26.6	0.94	DIN 6537 L	
5.159	8xD	0.2031	13/64"		462.1-0516-039A1-XM X2BM	6	104	62	42.0	0.94	COROMANT	
5.180	3xD	0.2039		462.1-0518-016A0-XM X2BM	462.1-0518-016A1-XM X2BM	6	66	28	16.3	0.94	DIN 6537 K	
5.180	5xD	0.2039		462.1-0518-026A0-XM X2BM	462.1-0518-026A1-XM X2BM	6	82	44	26.7	0.94	DIN 6537 L	
5.180	8xD	0.2039			462.1-0518-039A1-XM X2BM	6	104	62	42.2	0.94	COROMANT	
5.200	3xD	0.2047		462.1-0520-016A0-XM X2BM	462.1-0520-016A1-XM X2BM	6	66	28	16.4	0.95	DIN 6537 K	
5.200	5xD	0.2047		462.1-0520-026A0-XM X2BM	462.1-0520-026A1-XM X2BM	6	82	44	26.8	0.95	DIN 6537 L	
5.200	8xD	0.2047			462.1-0520-039A1-XM X2BM	6	104	62	42.4	0.95	COROMANT	
5.220	3xD	0.2055		462.1-0522-016A0-XM X2BM	462.1-0522-016A1-XM X2BM	6	66	28	16.4	0.95	DIN 6537 K	
5.220	5xD	0.2055		462.1-0522-026A0-XM X2BM	462.1-0522-026A1-XM X2BM	6	82	44	26.9	0.95	DIN 6537 L	
5.220	8xD	0.2055			462.1-0522-039A1-XM X2BM	6	104	62	42.5	0.95	COROMANT	
5.250	3xD	0.2067		462.1-0525-016A0-XM X2BM	462.1-0525-016A1-XM X2BM	6	66	28	16.5	0.96	DIN 6537 K	
5.250	5xD	0.2067		462.1-0525-026A0-XM X2BM	462.1-0525-026A1-XM X2BM	6	82	44	27.0	0.96	DIN 6537 L	
5.250	8xD	0.2067			462.1-0525-039A1-XM X2BM	6	104	62	42.8	0.96	COROMANT	
5.300	3xD	0.2087		462.1-0530-016A0-XM X2BM	462.1-0530-016A1-XM X2BM	6	66	28	16.7	0.96	DIN 6537 K	
5.300	5xD	0.2087		462.1-0530-026A0-XM X2BM	462.1-0530-027A1-XM X2BM	6	82	44	27.3	0.96	DIN 6537 L	
5.300	8xD	0.2087			462.1-0530-039A1-XM X2BM	6	104	62	43.2	0.96	COROMANT	
5.400	3xD	0.2126		462.1-0540-016A0-XM X2BM	462.1-0540-016A1-XM X2BM	6	66	28	17.0	0.98	DIN 6537 K	
5.400	5xD	0.2126		462.1-0540-026A0-XM X2BM	462.1-0540-027A1-XM X2BM	6	82	44	27.8	0.98	DIN 6537 L	
5.400	8xD	0.2126			462.1-0540-039A1-XM X2BM	6	104	62	44.0	0.98	COROMANT	
5.500	3xD	0.2165		462.1-0550-017A0-XM X2BM	462.1-0550-017A1-XM X2BM	6	66	28	17.3	1.00	DIN 6537 K	
5.500	5xD	0.2165		462.1-0550-028A0-XM X2BM	462.1-0550-028A1-XM X2BM	6	82	44	28.3	1.00	DIN 6537 L	
5.500	8xD	0.2165			462.1-0550-041A1-XM X2BM	6	104	62	44.8	1.00	COROMANT	
5.556	3xD	0.2187	7/32"	462.1-0556-017A0-XM X2BM	462.1-0556-017A1-XM X2BM	6	66	28	17.5	1.01	DIN 6537 K	
5.556	5xD	0.2187	7/32"	462.1-0556-028A0-XM X2BM	462.1-0556-028A1-XM X2BM	6	82	44	28.6	1.01	DIN 6537 L	
5.556	8xD	0.2187	7/32"		462.1-0556-042A1-XM X2BM	6	104	62	45.3	1.01	COROMANT	
5.600	3xD	0.2205		462.1-0560-017A0-XM X2BM	462.1-0560-017A1-XM X2BM	6	66	28	17.6	1.02	DIN 6537 K	
5.600	5xD	0.2205		462.1-0560-028A0-XM X2BM	462.1-0560-028A1-XM X2BM	6	82	44	28.8	1.02	DIN 6537 L	
5.600	8xD	0.2205			462.1-0560-042A1-XM X2BM	6	104	62	45.6	1.02	COROMANT	
5.610	3xD	0.2209		462.1-0561-017A0-XM X2BM	462.1-0561-017A1-XM X2BM	6	66	28	17.7	1.02	DIN 6537 K	
5.610	5xD	0.2209		462.1-0561-028A0-XM X2BM	462.1-0561-028A1-XM X2BM	6	82	44	28.9	1.02	DIN 6537 L	
5.610	8xD	0.2209			462.1-0561-042A1-XM X2BM	6	104	62	45.7	1.02	COROMANT	
5.650	3xD	0.2224		462.1-0565-017A0-XM X2BM	462.1-0565-017A1-XM X2BM	6	66	28	17.8	1.03	DIN 6537 K	
5.650	5xD	0.2224		462.1-0565-028A0-XM X2BM	462.1-0565-028A1-XM X2BM	6	82	44	29.1	1.03	DIN 6537 L	
5.650	8xD	0.2224			462.1-0565-042A1-XM X2BM	6	104	62	46.0	1.03	COROMANT	
5.700	3xD	0.2244		462.1-0570-017A0-XM X2BM	462.1-0570-017A1-XM X2BM	6	66	28	17.9	1.04	DIN 6537 K	
5.700	5xD	0.2244		462.1-0570-029A0-XM X2BM	462.1-0570-029A1-XM X2BM	6	82	44	29.3	1.04	DIN 6537 L	
5.700	8xD	0.2244			462.1-0570-043A1-XM X2BM	6	104	62	46.4	1.04	COROMANT	
5.750	3xD	0.2264		462.1-0575-017A0-XM X2BM	462.1-0575-017A1-XM X2BM	6	66	28	18.1	1.05	DIN 6537 K	
5.750	5xD	0.2264		462.1-0575-029A0-XM X2BM	462.1-0575-029A1-XM X2BM	6	82	44	29.6	1.05	DIN 6537 L	
5.750	8xD	0.2264			462.1-0575-043A1-XM X2BM	6	104	62	46.8	1.05	COROMANT	
5.790	3xD	0.2280		462.1-0579-017A0-XM X2BM	462.1-0579-017A1-XM X2BM	6	66	28	18.2	1.05	DIN 6537 K	
5.790	5xD	0.2280		462.1-0579-029A0-XM X2BM	462.1-0579-029A1-XM X2BM	6	82	44	29.8	1.05	DIN 6537 L	
5.790	8xD	0.2280			462.1-0579-043A1-XM X2BM	6	104	62	47.2	1.05	COROMANT	
5.800	3xD	0.2283		462.1-0580-017A0-XM X2BM	462.1-0580-017A1-XM X2BM	6	66	28	18.2	1.06	DIN 6537 K	
5.800	5xD	0.2283		462.1-0580-029A0-XM X2BM	462.1-0580-029A1-XM X2BM	6	82	44	29.8	1.06	DIN 6537 L	
5.800	8xD	0.2283			462.1-0580-044A1-XM X2BM	6	104	62	47.2	1.06	COROMANT	
5.900	3xD	0.2323		462.1-0590-017A0-XM X2BM	462.1-0590-017A1-XM X2BM	6	66	28	18.6	1.07	DIN 6537 K	
5.900	5xD	0.2323		462.1-0590-029A0-XM X2BM	462.1-0590-030A1-XM X2BM	6	82	44	30.4	1.07	DIN 6537 L	
5.900	8xD	0.2323			462.1-0590-044A1-XM X2BM	6	104	62	48.1	1.07	COROMANT	
5.940	3xD	0.2339		462.1-0594-017A0-XM X2BM	462.1-0594-017A1-XM X2BM	6	66	28	18.7	1.08	DIN 6537 K	
5.940	5xD	0.2339		462.1-0594-029A0-XM X2BM	462.1-0594-030A1-XM X2BM	6	82	44	30.6	1.08	DIN 6537 L	
5.940	8xD	0.2339			462.1-0594-044A1-XM X2BM	6	104	62	48.4	1.08	COROMANT	
5.953	3xD	0.2344	15/64"	462.1-0595-018A0-XM X2BM	462.1-0595-018A1-XM X2BM	6	66	28	18.7	1.08	DIN 6537 K	
5.953	5xD	0.2344	15/64"	462.1-0595-030A0-XM X2BM	462.1-0595-030A1-XM X2BM	6	82	44	30.6	1.08	DIN 6537 L	

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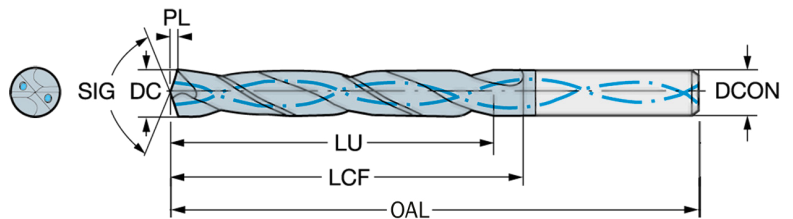
				Order number		Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
5.953	8xD	0.2344	15/64"		462.1-0595-045A1-XM X2BM	6	104	62	48.5	1.08	COROMANT	
6.000	3xD	0.2362		462.1-0600-018A0-XM X2BM	462.1-0600-018A1-XM X2BM	6	66	28	18.9	1.09	DIN 6537 K	
6.000	5xD	0.2362		462.1-0600-030A0-XM X2BM	462.1-0600-030A1-XM X2BM	6	82	44	30.9	1.09	DIN 6537 L	
6.000	8xD	0.2362			462.1-0600-045A1-XM X2BM	6	104	62	48.9	1.09	COROMANT	
6.050	3xD	0.2382		462.1-0605-018A0-XM X2BM	462.1-0605-018A1-XM X2BM	8	79	34	19.0	1.10	DIN 6537 K	
6.050	5xD	0.2382		462.1-0605-030A0-XM X2BM	462.1-0605-030A1-XM X2BM	8	91	53	31.1	1.10	DIN 6537 L	
6.050	8xD	0.2382			462.1-0605-045A1-XM X2BM	8	126	84	49.3	1.10	COROMANT	
6.100	3xD	0.2402		462.1-0610-018A0-XM X2BM	462.1-0610-018A1-XM X2BM	8	79	34	19.2	1.11	DIN 6537 K	
6.100	5xD	0.2402		462.1-0610-031A0-XM X2BM	462.1-0610-031A1-XM X2BM	8	91	53	31.4	1.11	DIN 6537 L	
6.100	8xD	0.2402			462.1-0610-046A1-XM X2BM	8	126	84	49.7	1.11	COROMANT	
6.150	3xD	0.2421		462.1-0615-018A0-XM X2BM	462.1-0615-018A1-XM X2BM	8	79	34	19.4	1.12	DIN 6537 K	
6.150	5xD	0.2421		462.1-0615-031A0-XM X2BM	462.1-0615-031A1-XM X2BM	8	91	53	31.7	1.12	DIN 6537 L	
6.150	8xD	0.2421			462.1-0615-046A1-XM X2BM	8	126	84	50.1	1.12	COROMANT	
6.200	3xD	0.2441		462.1-0620-019A0-XM X2BM	462.1-0620-019A1-XM X2BM	8	79	34	19.5	1.13	DIN 6537 K	
6.200	5xD	0.2441		462.1-0620-031A0-XM X2BM	462.1-0620-031A1-XM X2BM	8	91	53	31.9	1.13	DIN 6537 L	
6.200	8xD	0.2441			462.1-0620-047A1-XM X2BM	8	126	84	50.5	1.13	COROMANT	
6.250	3xD	0.2461		462.1-0625-019A0-XM X2BM	462.1-0625-019A1-XM X2BM	8	79	34	19.7	1.14	DIN 6537 K	
6.250	5xD	0.2461		462.1-0625-031A0-XM X2BM	462.1-0625-031A1-XM X2BM	8	91	53	32.2	1.14	DIN 6537 L	
6.250	8xD	0.2461			462.1-0625-047A1-XM X2BM	8	126	84	50.9	1.14	COROMANT	
6.300	3xD	0.2480		462.1-0630-019A0-XM X2BM	462.1-0630-019A1-XM X2BM	8	79	34	19.8	1.15	DIN 6537 K	
6.300	5xD	0.2480		462.1-0630-032A0-XM X2BM	462.1-0630-032A1-XM X2BM	8	91	53	32.4	1.15	DIN 6537 L	
6.300	8xD	0.2480			462.1-0630-047A1-XM X2BM	8	126	84	51.3	1.15	COROMANT	
6.350	3xD	0.2500	1/4"	462.1-0635-019A0-XM X2BM	462.1-0635-019A1-XM X2BM	8	79	34	20.0	1.16	DIN 6537 K	
6.350	5xD	0.2500	1/4"	462.1-0635-032A0-XM X2BM	462.1-0635-032A1-XM X2BM	8	91	53	32.7	1.16	DIN 6537 L	
6.350	8xD	0.2500	1/4"		462.1-0635-048A1-XM X2BM	8	126	84	51.7	1.16	COROMANT	
6.400	3xD	0.2520		462.1-0640-019A0-XM X2BM	462.1-0640-019A1-XM X2BM	8	79	34	20.1	1.16	DIN 6537 K	
6.400	5xD	0.2520		462.1-0640-032A0-XM X2BM	462.1-0640-032A1-XM X2BM	8	91	53	32.9	1.16	DIN 6537 L	
6.400	8xD	0.2520			462.1-0640-048A1-XM X2BM	8	126	84	52.1	1.16	COROMANT	
6.500	3xD	0.2559		462.1-0650-020A0-XM X2BM	462.1-0650-020A1-XM X2BM	8	79	34	20.5	1.18	DIN 6537 K	
6.500	5xD	0.2559		462.1-0650-033A0-XM X2BM	462.1-0650-033A1-XM X2BM	8	91	53	33.5	1.18	DIN 6537 L	
6.500	8xD	0.2559			462.1-0650-049A1-XM X2BM	8	126	84	53.0	1.18	COROMANT	
6.530	3xD	0.2571		462.1-0653-020A0-XM X2BM	462.1-0653-020A1-XM X2BM	8	79	34	20.5	1.19	DIN 6537 K	
6.530	5xD	0.2571		462.1-0653-033A0-XM X2BM	462.1-0653-033A1-XM X2BM	8	91	53	33.6	1.19	DIN 6537 L	
6.530	8xD	0.2571			462.1-0653-049A1-XM X2BM	8	126	84	53.2	1.19	COROMANT	
6.600	3xD	0.2598		462.1-0660-020A0-XM X2BM	462.1-0660-020A1-XM X2BM	8	79	34	20.8	1.20	DIN 6537 K	
6.600	5xD	0.2598		462.1-0660-033A0-XM X2BM	462.1-0660-033A1-XM X2BM	8	91	53	34.0	1.20	DIN 6537 L	
6.600	8xD	0.2598			462.1-0660-050A1-XM X2BM	8	126	84	53.8	1.20	COROMANT	
6.630	3xD	0.2610		462.1-0663-020A0-XM X2BM	462.1-0663-020A1-XM X2BM	8	79	34	20.9	1.21	DIN 6537 K	
6.630	5xD	0.2610		462.1-0663-033A0-XM X2BM	462.1-0663-033A1-XM X2BM	8	91	53	34.1	1.21	DIN 6537 L	
6.630	8xD	0.2610			462.1-0663-050A1-XM X2BM	8	126	84	54.0	1.21	COROMANT	
6.700	3xD	0.2638		462.1-0670-020A0-XM X2BM	462.1-0670-020A1-XM X2BM	8	79	34	21.1	1.22	DIN 6537 K	
6.700	5xD	0.2638		462.1-0670-034A0-XM X2BM	462.1-0670-034A1-XM X2BM	8	91	53	34.5	1.22	DIN 6537 L	
6.700	8xD	0.2638			462.1-0670-050A1-XM X2BM	8	126	84	54.6	1.22	COROMANT	
6.747	3xD	0.2656	17/64"	462.1-0675-020A0-XM X2BM	462.1-0675-020A1-XM X2BM	8	79	34	21.2	1.23	DIN 6537 K	
6.747	5xD	0.2656	17/64"	462.1-0675-034A0-XM X2BM	462.1-0675-034A1-XM X2BM	8	91	53	34.7	1.23	DIN 6537 L	
6.747	8xD	0.2656	17/64"		462.1-0675-051A1-XM X2BM	8	126	84	55.0	1.23	COROMANT	
6.760	3xD	0.2661		462.1-0676-020A0-XM X2BM	462.1-0676-020A1-XM X2BM	8	79	34	21.3	1.23	DIN 6537 K	
6.760	5xD	0.2661		462.1-0676-034A0-XM X2BM	462.1-0676-034A1-XM X2BM	8	91	53	34.8	1.23	DIN 6537 L	
6.760	8xD	0.2661			462.1-0676-051A1-XM X2BM	8	126	84	55.1	1.23	COROMANT	
6.800	3xD	0.2677		462.1-0680-020A0-XM X2BM	462.1-0680-020A1-XM X2BM	8	79	34	21.4	1.24	DIN 6537 K	
6.800	5xD	0.2677		462.1-0680-034A0-XM X2BM	462.1-0680-034A1-XM X2BM	8	91	53	35.0	1.24	DIN 6537 L	
6.800	8xD	0.2677			462.1-0680-051A1-XM X2BM	8	126	84	55.4	1.24	COROMANT	
6.850	3xD	0.2697		462.1-0685-020A0-XM X2BM	462.1-0685-020A1-XM X2BM	8	79	34	21.6	1.25	DIN 6537 K	
6.850	5xD	0.2697		462.1-0685-034A0-XM X2BM	462.1-0685-034A1-XM X2BM	8	91	53	35.3	1.25	DIN 6537 L	
6.850	8xD	0.2697			462.1-0685-051A1-XM X2BM	8	126	84	55.8	1.25	COROMANT	
6.900	3xD	0.2717		462.1-0690-021A0-XM X2BM	462.1-0690-021A1-XM X2BM	8	79	34	21.7	1.26	DIN 6537 K	

TCHA: H9
SIG: 140°
Grade: X2BM



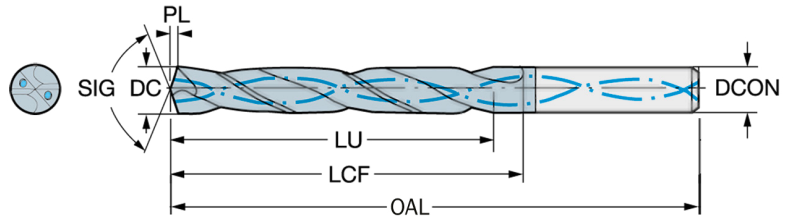
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
6.900	5xD	0.2717		462.1-0690-035A0-XM X2BM	462.1-0690-035A1-XM X2BM	8	91	53	35.5	1.26	DIN 6537 L	
6.900	8xD	0.2717			462.1-0690-052A1-XM X2BM	8	126	84	56.2	1.26	COROMANT	
6.910	3xD	0.2720		462.1-0691-021A0-XM X2BM	462.1-0691-021A1-XM X2BM	8	79	34	21.7	1.26	DIN 6537 K	
6.910	5xD	0.2720		462.1-0691-035A0-XM X2BM	462.1-0691-035A1-XM X2BM	8	91	53	35.6	1.26	DIN 6537 L	
6.910	8xD	0.2720			462.1-0691-052A1-XM X2BM	8	126	84	56.3	1.26	COROMANT	
7.000	3xD	0.2756		462.1-0700-021A0-XM X2BM	462.1-0700-021A1-XM X2BM	8	79	34	22.0	1.27	DIN 6537 K	
7.000	5xD	0.2756		462.1-0700-035A0-XM X2BM	462.1-0700-035A1-XM X2BM	8	91	53	36.0	1.27	DIN 6537 L	
7.000	8xD	0.2756			462.1-0700-053A1-XM X2BM	8	126	84	57.0	1.27	COROMANT	
7.040	3xD	0.2772		462.1-0704-021A0-XM X2BM	462.1-0704-021A1-XM X2BM	8	79	41	22.1	1.28	DIN 6537 K	
7.040	5xD	0.2772		462.1-0704-035A0-XM X2BM	462.1-0704-035A1-XM X2BM	8	91	53	36.2	1.28	DIN 6537 L	
7.040	8xD	0.2772			462.1-0704-053A1-XM X2BM	8	126	84	57.3	1.28	COROMANT	
7.100	3xD	0.2795		462.1-0710-021A0-XM X2BM	462.1-0710-021A1-XM X2BM	8	79	41	22.3	1.29	DIN 6537 K	
7.100	5xD	0.2795		462.1-0710-036A0-XM X2BM	462.1-0710-036A1-XM X2BM	8	91	53	36.5	1.29	DIN 6537 L	
7.100	8xD	0.2795			462.1-0710-053A1-XM X2BM	8	126	84	57.8	1.29	COROMANT	
7.144	3xD	0.2813	9/32"	462.1-0714-021A0-XM X2BM	462.1-0714-021A1-XM X2BM	8	79	41	22.5	1.30	DIN 6537 K	
7.144	5xD	0.2813	9/32"	462.1-0714-036A0-XM X2BM	462.1-0714-036A1-XM X2BM	8	91	53	36.7	1.30	DIN 6537 L	
7.144	8xD	0.2813	9/32"		462.1-0714-054A1-XM X2BM	8	126	84	58.2	1.30	COROMANT	
7.200	3xD	0.2835		462.1-0720-021A0-XM X2BM	462.1-0720-021A1-XM X2BM	8	79	41	22.7	1.31	DIN 6537 K	
7.200	5xD	0.2835		462.1-0720-036A0-XM X2BM	462.1-0720-036A1-XM X2BM	8	91	53	37.1	1.31	DIN 6537 L	
7.200	8xD	0.2835			462.1-0720-054A1-XM X2BM	8	126	84	58.7	1.31	COROMANT	
7.250	3xD	0.2854		462.1-0725-021A0-XM X2BM	462.1-0725-021A1-XM X2BM	8	79	41	22.8	1.32	DIN 6537 K	
7.250	5xD	0.2854		462.1-0725-036A0-XM X2BM	462.1-0725-036A1-XM X2BM	8	91	53	37.3	1.32	DIN 6537 L	
7.250	8xD	0.2854			462.1-0725-054A1-XM X2BM	8	126	84	59.1	1.32	COROMANT	
7.300	3xD	0.2874		462.1-0730-022A0-XM X2BM	462.1-0730-022A1-XM X2BM	8	79	41	23.0	1.33	DIN 6537 K	
7.300	5xD	0.2874		462.1-0730-037A0-XM X2BM	462.1-0730-037A1-XM X2BM	8	91	53	37.6	1.33	DIN 6537 L	
7.300	8xD	0.2874			462.1-0730-054A1-XM X2BM	8	126	84	59.5	1.33	COROMANT	
7.370	3xD	0.2902		462.1-0737-022A0-XM X2BM	462.1-0737-022A1-XM X2BM	8	79	41	23.2	1.34	DIN 6537 K	
7.370	5xD	0.2902		462.1-0737-037A0-XM X2BM	462.1-0737-037A1-XM X2BM	8	91	53	37.9	1.34	DIN 6537 L	
7.370	8xD	0.2902			462.1-0737-054A1-XM X2BM	8	126	84	60.0	1.34	COROMANT	
7.400	3xD	0.2913		462.1-0740-022A0-XM X2BM	462.1-0740-022A1-XM X2BM	8	79	41	23.3	1.35	DIN 6537 K	
7.400	5xD	0.2913		462.1-0740-037A0-XM X2BM	462.1-0740-037A1-XM X2BM	8	91	53	38.1	1.35	DIN 6537 L	
7.400	8xD	0.2913			462.1-0740-056A1-XM X2BM	8	126	84	60.3	1.35	COROMANT	
7.450	3xD	0.2933		462.1-0745-022A0-XM X2BM	462.1-0745-022A1-XM X2BM	8	79	41	23.4	1.36	DIN 6537 K	
7.450	5xD	0.2933		462.1-0745-037A0-XM X2BM	462.1-0745-037A1-XM X2BM	8	91	53	38.3	1.36	DIN 6537 L	
7.450	8xD	0.2933			462.1-0745-056A1-XM X2BM	8	126	84	60.7	1.36	COROMANT	
7.490	3xD	0.2949		462.1-0749-022A0-XM X2BM	462.1-0749-022A1-XM X2BM	8	79	41	23.6	1.36	DIN 6537 K	
7.490	5xD	0.2949		462.1-0749-037A0-XM X2BM	462.1-0749-037A1-XM X2BM	8	91	53	38.5	1.36	DIN 6537 L	
7.490	8xD	0.2949			462.1-0749-056A1-XM X2BM	8	126	84	61.0	1.36	COROMANT	
7.500	3xD	0.2953		462.1-0750-023A0-XM X2BM	462.1-0750-023A1-XM X2BM	8	79	41	23.6	1.36	DIN 6537 K	
7.500	5xD	0.2953		462.1-0750-038A0-XM X2BM	462.1-0750-038A1-XM X2BM	8	91	53	38.6	1.36	DIN 6537 L	
7.500	8xD	0.2953			462.1-0750-056A1-XM X2BM	8	126	84	61.1	1.36	COROMANT	
7.541	3xD	0.2969	19/64"	462.1-0754-023A0-XM X2BM	462.1-0754-023A1-XM X2BM	8	79	41	23.7	1.37	DIN 6537 K	
7.541	5xD	0.2969	19/64"	462.1-0754-038A0-XM X2BM	462.1-0754-038A1-XM X2BM	8	91	53	38.8	1.37	DIN 6537 L	
7.541	8xD	0.2969	19/64"		462.1-0754-057A1-XM X2BM	8	126	84	61.4	1.37	COROMANT	
7.600	3xD	0.2992		462.1-0760-023A0-XM X2BM	462.1-0760-023A1-XM X2BM	8	79	41	23.9	1.38	DIN 6537 K	
7.600	5xD	0.2992		462.1-0760-038A0-XM X2BM	462.1-0760-038A1-XM X2BM	8	91	53	39.1	1.38	DIN 6537 L	
7.600	8xD	0.2992			462.1-0760-057A1-XM X2BM	8	126	84	61.9	1.38	COROMANT	
7.670	3xD	0.3020		462.1-0767-023A0-XM X2BM	462.1-0767-023A1-XM X2BM	8	79	41	24.1	1.40	DIN 6537 K	
7.670	5xD	0.3020		462.1-0767-038A0-XM X2BM	462.1-0767-038A1-XM X2BM	8	91	53	39.5	1.40	DIN 6537 L	
7.670	8xD	0.3020			462.1-0767-057A1-XM X2BM	8	126	84	62.5	1.40	COROMANT	
7.700	3xD	0.3031		462.1-0770-023A0-XM X2BM	462.1-0770-023A1-XM X2BM	8	79	41	24.2	1.40	DIN 6537 K	
7.700	5xD	0.3031		462.1-0770-039A0-XM X2BM	462.1-0770-039A1-XM X2BM	8	91	53	39.6	1.40	DIN 6537 L	
7.700	8xD	0.3031			462.1-0770-058A1-XM X2BM	8	126	84	62.7	1.40	COROMANT	
7.800	3xD	0.3071		462.1-0780-023A0-XM X2BM	462.1-0780-023A1-XM X2BM	8	79	41	24.5	1.42	DIN 6537 K	
7.800	5xD	0.3071		462.1-0780-039A0-XM X2BM	462.1-0780-039A1-XM X2BM	8	91	53	40.1	1.42	DIN 6537 L	
7.800	8xD	0.3071			462.1-0780-059A1-XM X2BM	8	126	84	63.5	1.42	COROMANT	

TCHA: H9
SIG: 140°
Grade: X2BM



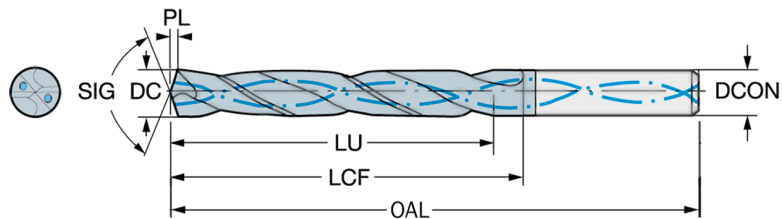
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
7.900	3xD	0.3110		462.1-0790-024A0-XM X2BM	462.1-0790-024A1-XM X2BM	8	79	41	24.9	1.44	DIN 6537 K	
7.900	5xD	0.3110		462.1-0790-040A0-XM X2BM	462.1-0790-040A1-XM X2BM	8	91	53	40.7	1.44	DIN 6537 L	
7.900	8xD	0.3110			462.1-0790-059A1-XM X2BM	8	126	84	64.4	1.44	COROMANT	
7.938	3xD	0.3125	5/16"	462.1-0794-024A0-XM X2BM	462.1-0794-024A1-XM X2BM	8	79	41	25.0	1.44	DIN 6537 K	
7.938	5xD	0.3125	5/16"	462.1-0794-040A0-XM X2BM	462.1-0794-040A1-XM X2BM	8	91	53	40.9	1.44	DIN 6537 L	
7.938	8xD	0.3125	5/16"		462.1-0794-060A1-XM X2BM	8	126	84	64.7	1.44	COROMANT	
8.000	3xD	0.3150		462.1-0800-024A0-XM X2BM	462.1-0800-024A1-XM X2BM	8	79	41	25.2	1.46	DIN 6537 K	
8.000	5xD	0.3150		462.1-0800-040A0-XM X2BM	462.1-0800-040A1-XM X2BM	8	91	53	41.2	1.46	DIN 6537 L	
8.000	8xD	0.3150			462.1-0800-060A1-XM X2BM	8	126	84	65.2	1.46	COROMANT	
8.030	3xD	0.3161		462.1-0803-024A0-XM X2BM	462.1-0803-024A1-XM X2BM	10	89	47	25.3	1.46	DIN 6537 K	
8.030	5xD	0.3161		462.1-0803-040A0-XM X2BM	462.1-0803-040A1-XM X2BM	10	103	61	41.3	1.46	DIN 6537 L	
8.030	8xD	0.3161			462.1-0803-060A1-XM X2BM	10	152	106	65.4	1.46	COROMANT	
8.050	3xD	0.3169		462.1-0805-024A0-XM X2BM	462.1-0805-024A1-XM X2BM	10	89	47	25.3	1.46	DIN 6537 K	
8.050	5xD	0.3169		462.1-0805-040A0-XM X2BM	462.1-0805-040A1-XM X2BM	10	103	61	41.4	1.46	DIN 6537 L	
8.050	8xD	0.3169			462.1-0805-060A1-XM X2BM	10	152	106	65.6	1.46	COROMANT	
8.100	3xD	0.3189		462.1-0810-024A0-XM X2BM	462.1-0810-024A1-XM X2BM	10	89	47	25.5	1.47	DIN 6537 K	
8.100	5xD	0.3189		462.1-0810-041A0-XM X2BM	462.1-0810-041A1-XM X2BM	10	103	61	41.7	1.47	DIN 6537 L	
8.100	8xD	0.3189			462.1-0810-061A1-XM X2BM	10	152	106	66.0	1.47	COROMANT	
8.150	3xD	0.3209		462.1-0815-024A0-XM X2BM	462.1-0815-024A1-XM X2BM	10	89	47	25.6	1.48	DIN 6537 K	
8.150	5xD	0.3209		462.1-0815-041A0-XM X2BM	462.1-0815-041A1-XM X2BM	10	103	61	41.9	1.48	DIN 6537 L	
8.150	8xD	0.3209			462.1-0815-061A1-XM X2BM	10	152	106	66.4	1.48	COROMANT	
8.200	3xD	0.3228		462.1-0820-025A0-XM X2BM	462.1-0820-025A1-XM X2BM	10	89	47	25.8	1.49	DIN 6537 K	
8.200	5xD	0.3228		462.1-0820-041A0-XM X2BM	462.1-0820-041A1-XM X2BM	10	103	61	42.2	1.49	DIN 6537 L	
8.200	8xD	0.3228			462.1-0820-062A1-XM X2BM	10	152	106	66.8	1.49	COROMANT	
8.250	3xD	0.3248		462.1-0825-025A0-XM X2BM	462.1-0825-025A1-XM X2BM	10	89	47	26.0	1.50	DIN 6537 K	
8.250	5xD	0.3248		462.1-0825-041A0-XM X2BM	462.1-0825-041A1-XM X2BM	10	103	61	42.5	1.50	DIN 6537 L	
8.250	8xD	0.3248			462.1-0825-062A1-XM X2BM	10	152	106	67.2	1.50	COROMANT	
8.300	3xD	0.3268		462.1-0830-025A0-XM X2BM	462.1-0830-025A1-XM X2BM	10	89	47	26.1	1.51	DIN 6537 K	
8.300	5xD	0.3268		462.1-0830-041A0-XM X2BM	462.1-0830-042A1-XM X2BM	10	103	61	42.7	1.51	DIN 6537 L	
8.300	8xD	0.3268			462.1-0830-062A1-XM X2BM	10	152	106	67.6	1.51	COROMANT	
8.334	3xD	0.3281	21/64"	462.1-0833-025A0-XM X2BM	462.1-0833-025A1-XM X2BM	10	89	47	26.2	1.52	DIN 6537 K	
8.334	5xD	0.3281	21/64"	462.1-0833-042A0-XM X2BM	462.1-0833-042A1-XM X2BM	10	103	61	42.9	1.52	DIN 6537 L	
8.334	8xD	0.3281	21/64"		462.1-0833-062A1-XM X2BM	10	152	106	67.9	1.52	COROMANT	
8.400	3xD	0.3307		462.1-0840-025A0-XM X2BM	462.1-0840-025A1-XM X2BM	10	89	47	26.4	1.53	DIN 6537 K	
8.400	5xD	0.3307		462.1-0840-042A0-XM X2BM	462.1-0840-042A1-XM X2BM	10	103	61	43.2	1.53	DIN 6537 L	
8.400	8xD	0.3307			462.1-0840-063A1-XM X2BM	10	152	106	68.4	1.53	COROMANT	
8.430	3xD	0.3319		462.1-0843-025A0-XM X2BM	462.1-0843-025A1-XM X2BM	10	89	47	26.5	1.53	DIN 6537 K	
8.430	5xD	0.3319		462.1-0843-042A0-XM X2BM	462.1-0843-042A1-XM X2BM	10	103	61	43.4	1.53	DIN 6537 L	
8.430	8xD	0.3319			462.1-0843-063A1-XM X2BM	10	152	106	68.7	1.53	COROMANT	
8.500	3xD	0.3346		462.1-0850-026A0-XM X2BM	462.1-0850-026A1-XM X2BM	10	89	47	26.7	1.55	DIN 6537 K	
8.500	5xD	0.3346		462.1-0850-043A0-XM X2BM	462.1-0850-043A1-XM X2BM	10	103	61	43.7	1.55	DIN 6537 L	
8.500	8xD	0.3346			462.1-0850-064A1-XM X2BM	10	152	106	69.2	1.55	COROMANT	
8.550	3xD	0.3366		462.1-0855-026A0-XM X2BM	462.1-0855-026A1-XM X2BM	10	89	47	26.9	1.56	DIN 6537 K	
8.550	5xD	0.3366		462.1-0855-043A0-XM X2BM	462.1-0855-043A1-XM X2BM	10	103	61	44.0	1.56	DIN 6537 L	
8.550	8xD	0.3366			462.1-0855-064A1-XM X2BM	10	152	106	69.6	1.56	COROMANT	
8.600	3xD	0.3386		462.1-0860-026A0-XM X2BM	462.1-0860-026A1-XM X2BM	10	89	47	27.1	1.57	DIN 6537 K	
8.600	5xD	0.3386		462.1-0860-043A0-XM X2BM	462.1-0860-043A1-XM X2BM	10	103	61	44.3	1.57	DIN 6537 L	
8.600	8xD	0.3386			462.1-0860-065A1-XM X2BM	10	152	106	70.1	1.57	COROMANT	
8.610	3xD	0.3390		462.1-0861-026A0-XM X2BM	462.1-0861-026A1-XM X2BM	10	89	47	27.1	1.57	DIN 6537 K	
8.610	5xD	0.3390		462.1-0861-043A0-XM X2BM	462.1-0861-043A1-XM X2BM	10	103	61	44.3	1.57	DIN 6537 L	
8.610	8xD	0.3390			462.1-0861-065A1-XM X2BM	10	152	106	70.1	1.57	COROMANT	
8.650	3xD	0.3406		462.1-0865-026A0-XM X2BM	462.1-0865-026A1-XM X2BM	10	89	47	27.2	1.57	DIN 6537 K	
8.650	5xD	0.3406		462.1-0865-043A0-XM X2BM	462.1-0865-043A1-XM X2BM	10	103	61	44.5	1.57	DIN 6537 L	
8.650	8xD	0.3406			462.1-0865-065A1-XM X2BM	10	152	106	70.5	1.57	COROMANT	
8.700	3xD	0.3425		462.1-0870-026A0-XM X2BM	462.1-0870-026A1-XM X2BM	10	89	47	27.4	1.58	DIN 6537 K	
8.700	5xD	0.3425		462.1-0870-044A0-XM X2BM	462.1-0870-044A1-XM X2BM	10	103	61	44.8	1.58	DIN 6537 L	

TCHA: H9
SIG: 140°
Grade: X2BM



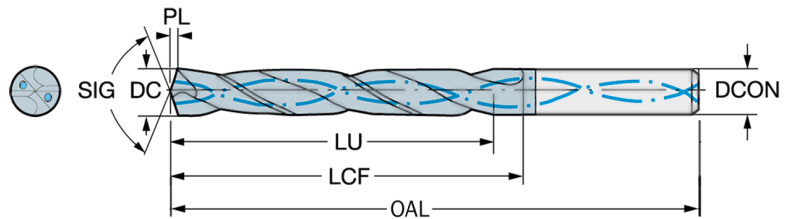
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
8.700	8xD	0.3425			462.1-0870-065A1-XM X2BM	10	152	106	70.9	1.58	COROMANT	
8.731	3xD	0.3437	11/32"	462.1-0873-026A0-XM X2BM	462.1-0873-026A1-XM X2BM	10	89	47	27.5	1.59	DIN 6537 K	
8.731	5xD	0.3437	11/32"	462.1-0873-044A0-XM X2BM	462.1-0873-044A1-XM X2BM	10	103	61	44.9	1.59	DIN 6537 L	
8.731	8xD	0.3437	11/32"		462.1-0873-065A1-XM X2BM	10	152	106	71.1	1.59	COROMANT	
8.800	3xD	0.3465		462.1-0880-026A0-XM X2BM	462.1-0880-026A1-XM X2BM	10	89	47	27.7	1.60	DIN 6537 K	
8.800	5xD	0.3465		462.1-0880-044A0-XM X2BM	462.1-0880-044A1-XM X2BM	10	103	61	45.3	1.60	DIN 6537 L	
8.800	8xD	0.3465			462.1-0880-066A1-XM X2BM	10	152	106	71.7	1.60	COROMANT	
8.840	3xD	0.3480		462.1-0884-026A0-XM X2BM	462.1-0884-026A1-XM X2BM	10	89	47	27.8	1.61	DIN 6537 K	
8.840	5xD	0.3480		462.1-0884-044A0-XM X2BM	462.1-0884-044A1-XM X2BM	10	103	61	45.5	1.61	DIN 6537 L	
8.840	8xD	0.3480			462.1-0884-066A1-XM X2BM	10	152	106	72.0	1.61	COROMANT	
8.900	3xD	0.3504		462.1-0890-026A0-XM X2BM	462.1-0890-027A1-XM X2BM	10	89	47	28.0	1.62	DIN 6537 K	
8.900	5xD	0.3504		462.1-0890-045A0-XM X2BM	462.1-0890-045A1-XM X2BM	10	103	61	45.8	1.62	DIN 6537 L	
8.900	8xD	0.3504			462.1-0890-066A1-XM X2BM	10	152	106	72.5	1.62	COROMANT	
9.000	3xD	0.3543		462.1-0900-027A0-XM X2BM	462.1-0900-027A1-XM X2BM	10	89	47	28.3	1.64	DIN 6537 K	
9.000	5xD	0.3543		462.1-0900-045A0-XM X2BM	462.1-0900-045A1-XM X2BM	10	103	61	46.3	1.64	DIN 6537 L	
9.000	8xD	0.3543			462.1-0900-068A1-XM X2BM	10	152	106	73.3	1.64	COROMANT	
9.050	3xD	0.3563		462.1-0905-027A0-XM X2BM	462.1-0905-027A1-XM X2BM	10	89	47	28.5	1.65	DIN 6537 K	
9.050	5xD	0.3563		462.1-0905-045A0-XM X2BM	462.1-0905-045A1-XM X2BM	10	103	61	46.6	1.65	DIN 6537 L	
9.050	8xD	0.3563			462.1-0905-068A1-XM X2BM	10	152	106	73.7	1.65	COROMANT	
9.090	3xD	0.3579		462.1-0909-027A0-XM X2BM	462.1-0909-027A1-XM X2BM	10	89	47	28.6	1.65	DIN 6537 K	
9.090	5xD	0.3579		462.1-0909-045A0-XM X2BM	462.1-0909-045A1-XM X2BM	10	103	61	46.8	1.65	DIN 6537 L	
9.090	8xD	0.3579			462.1-0909-068A1-XM X2BM	10	152	106	74.0	1.65	COROMANT	
9.100	3xD	0.3583		462.1-0910-027A0-XM X2BM	462.1-0910-027A1-XM X2BM	10	89	47	28.6	1.66	DIN 6537 K	
9.100	5xD	0.3583		462.1-0910-046A0-XM X2BM	462.1-0910-046A1-XM X2BM	10	103	61	46.8	1.66	DIN 6537 L	
9.100	8xD	0.3583			462.1-0910-068A1-XM X2BM	10	152	106	74.1	1.66	COROMANT	
9.128	3xD	0.3594	23/64"	462.1-0913-027A0-XM X2BM	462.1-0913-027A1-XM X2BM	10	89	47	28.7	1.66	DIN 6537 K	
9.128	5xD	0.3594	23/64"	462.1-0913-046A0-XM X2BM	462.1-0913-046A1-XM X2BM	10	103	61	47.0	1.66	DIN 6537 L	
9.128	8xD	0.3594	23/64"		462.1-0913-068A1-XM X2BM	10	152	106	74.4	1.66	COROMANT	
9.200	3xD	0.3622		462.1-0920-027A0-XM X2BM	462.1-0920-027A1-XM X2BM	10	89	47	28.9	1.67	DIN 6537 K	
9.200	5xD	0.3622		462.1-0920-046A0-XM X2BM	462.1-0920-046A1-XM X2BM	10	103	61	47.3	1.67	DIN 6537 L	
9.200	8xD	0.3622			462.1-0920-068A1-XM X2BM	10	152	106	74.9	1.67	COROMANT	
9.250	3xD	0.3642		462.1-0925-027A0-XM X2BM	462.1-0925-027A1-XM X2BM	10	89	47	29.1	1.68	DIN 6537 K	
9.250	5xD	0.3642		462.1-0925-046A0-XM X2BM	462.1-0925-046A1-XM X2BM	10	103	61	47.6	1.68	DIN 6537 L	
9.250	8xD	0.3642			462.1-0925-068A1-XM X2BM	10	152	106	75.4	1.68	COROMANT	
9.300	3xD	0.3661		462.1-0930-028A0-XM X2BM	462.1-0930-028A1-XM X2BM	10	89	47	29.3	1.69	DIN 6537 K	
9.300	5xD	0.3661		462.1-0930-047A0-XM X2BM	462.1-0930-047A1-XM X2BM	10	103	61	47.9	1.69	DIN 6537 L	
9.300	8xD	0.3661			462.1-0930-070A1-XM X2BM	10	152	106	75.8	1.69	COROMANT	
9.350	3xD	0.3681		462.1-0935-028A0-XM X2BM	462.1-0935-028A1-XM X2BM	10	89	47	29.4	1.70	DIN 6537 K	
9.350	5xD	0.3681		462.1-0935-047A0-XM X2BM	462.1-0935-047A1-XM X2BM	10	103	61	48.1	1.70	DIN 6537 L	
9.350	8xD	0.3681			462.1-0935-070A1-XM X2BM	10	152	106	76.2	1.70	COROMANT	
9.400	3xD	0.3701		462.1-0940-028A0-XM X2BM	462.1-0940-028A1-XM X2BM	10	89	47	29.6	1.71	DIN 6537 K	
9.400	5xD	0.3701		462.1-0940-047A0-XM X2BM	462.1-0940-047A1-XM X2BM	10	103	61	48.4	1.71	DIN 6537 L	
9.400	8xD	0.3701			462.1-0940-070A1-XM X2BM	10	152	106	76.6	1.71	COROMANT	
9.500	3xD	0.3740		462.1-0950-029A0-XM X2BM	462.1-0950-029A1-XM X2BM	10	89	47	29.9	1.73	DIN 6537 K	
9.500	5xD	0.3740		462.1-0950-048A0-XM X2BM	462.1-0950-048A1-XM X2BM	10	103	61	48.9	1.73	DIN 6537 L	
9.500	8xD	0.3740			462.1-0950-071A1-XM X2BM	10	152	106	77.4	1.73	COROMANT	
9.525	3xD	0.3750	3/8"	462.1-0953-029A0-XM X2BM	462.1-0953-029A1-XM X2BM	10	89	47	30.0	1.73	DIN 6537 K	
9.525	5xD	0.3750	3/8"	462.1-0953-048A0-XM X2BM	462.1-0953-048A1-XM X2BM	10	103	61	49.0	1.73	DIN 6537 L	
9.525	8xD	0.3750	3/8"		462.1-0953-071A1-XM X2BM	10	152	106	77.6	1.73	COROMANT	
9.580	3xD	0.3772		462.1-0958-029A0-XM X2BM	462.1-0958-029A1-XM X2BM	10	89	47	30.1	1.74	DIN 6537 K	
9.580	5xD	0.3772		462.1-0958-048A0-XM X2BM	462.1-0958-048A1-XM X2BM	10	103	61	49.3	1.74	DIN 6537 L	
9.580	8xD	0.3772			462.1-0958-071A1-XM X2BM	10	152	106	78.0	1.74	COROMANT	
9.600	3xD	0.3780		462.1-0960-029A0-XM X2BM	462.1-0960-029A1-XM X2BM	10	89	47	30.2	1.75	DIN 6537 K	
9.600	5xD	0.3780		462.1-0960-048A0-XM X2BM	462.1-0960-048A1-XM X2BM	10	103	61	49.4	1.75	DIN 6537 L	
9.600	8xD	0.3780			462.1-0960-071A1-XM X2BM	10	152	106	78.2	1.75	COROMANT	
9.650	3xD	0.3799		462.1-0965-029A0-XM X2BM	462.1-0965-029A1-XM X2BM	10	89	47	30.4	1.76	DIN 6537 K	

TCHA: H9
SIG: 140°
Grade: X2BM



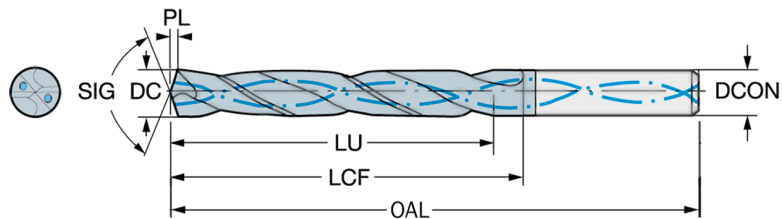
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
9.650	5xD	0.3799		462.1-0965-048A0-XM X2BM	462.1-0965-048A1-XM X2BM	10	103	61	49.7	1.76	DIN 6537 L	
9.650	8xD	0.3799			462.1-0965-071A1-XM X2BM	10	152	106	78.6	1.76	COROMANT	
9.700	3xD	0.3819		462.1-0970-029A0-XM X2BM	462.1-0970-029A1-XM X2BM	10	89	47	30.5	1.77	DIN 6537 K	
9.700	5xD	0.3819		462.1-0970-049A0-XM X2BM	462.1-0970-049A1-XM X2BM	10	103	61	49.9	1.77	DIN 6537 L	
9.700	8xD	0.3819			462.1-0970-071A1-XM X2BM	10	152	106	79.0	1.77	COROMANT	
9.800	3xD	0.3858		462.1-0980-029A0-XM X2BM	462.1-0980-029A1-XM X2BM	10	89	47	30.8	1.78	DIN 6537 K	
9.800	5xD	0.3858		462.1-0980-049A0-XM X2BM	462.1-0980-049A1-XM X2BM	10	103	61	50.3	1.78	DIN 6537 L	
9.800	8xD	0.3858			462.1-0980-074A1-XM X2BM	10	152	106	79.8	1.78	COROMANT	
9.900	3xD	0.3898		462.1-0990-030A0-XM X2BM	462.1-0990-030A1-XM X2BM	10	89	47	31.1	1.80	DIN 6537 K	
9.900	5xD	0.3898		462.1-0990-050A0-XM X2BM	462.1-0990-050A1-XM X2BM	10	103	61	50.2	1.80	DIN 6537 L	
9.900	8xD	0.3898			462.1-0990-074A1-XM X2BM	10	152	106	80.6	1.80	COROMANT	
9.922	3xD	0.3906	25/64"	462.1-0992-030A0-XM X2BM	462.1-0992-030A1-XM X2BM	10	89	47	31.2	1.81	DIN 6537 K	
9.922	5xD	0.3906	25/64"	462.1-0992-050A0-XM X2BM	462.1-0992-050A1-XM X2BM	10	103	61	50.2	1.81	DIN 6537 L	
9.922	8xD	0.3906	25/64"		462.1-0992-074A1-XM X2BM	10	152	106	80.8	1.81	COROMANT	
10.000	3xD	0.3937		462.1-1000-030A0-XM X2BM	462.1-1000-030A1-XM X2BM	10	89	47	31.5	1.82	DIN 6537 K	
10.000	5xD	0.3937		462.1-1000-050A0-XM X2BM	462.1-1000-050A1-XM X2BM	10	103	61	50.1	1.82	DIN 6537 L	
10.000	8xD	0.3937			462.1-1000-075A1-XM X2BM	10	152	106	81.5	1.82	COROMANT	
10.050	3xD	0.3957		462.1-1005-030A0-XM X2BM	462.1-1005-030A1-XM X2BM	12	102	55	31.6	1.83	DIN 6537 K	
10.050	5xD	0.3957		462.1-1005-050A0-XM X2BM	462.1-1005-050A1-XM X2BM	12	118	71	51.7	1.83	DIN 6537 L	
10.050	8xD	0.3957			462.1-1005-075A1-XM X2BM	12	180	128	81.9	1.83	COROMANT	
10.080	3xD	0.3969		462.1-1008-030A0-XM X2BM	462.1-1008-030A1-XM X2BM	12	102	55	31.7	1.83	DIN 6537 K	
10.080	5xD	0.3969		462.1-1008-050A0-XM X2BM	462.1-1008-050A1-XM X2BM	12	118	71	51.9	1.83	DIN 6537 L	
10.080	8xD	0.3969			462.1-1008-075A1-XM X2BM	12	180	128	82.1	1.83	COROMANT	
10.100	3xD	0.3976		462.1-1010-030A0-XM X2BM	462.1-1010-030A1-XM X2BM	12	102	55	31.8	1.84	DIN 6537 K	
10.100	5xD	0.3976		462.1-1010-051A0-XM X2BM	462.1-1010-051A1-XM X2BM	12	118	71	52.0	1.84	DIN 6537 L	
10.100	8xD	0.3976			462.1-1010-075A1-XM X2BM	12	180	128	82.3	1.84	COROMANT	
10.200	3xD	0.4016		462.1-1020-031A0-XM X2BM	462.1-1020-031A1-XM X2BM	12	102	55	32.1	1.86	DIN 6537 K	
10.200	5xD	0.4016		462.1-1020-051A0-XM X2BM	462.1-1020-051A1-XM X2BM	12	118	71	52.5	1.86	DIN 6537 L	
10.200	8xD	0.4016			462.1-1020-077A1-XM X2BM	12	180	128	83.1	1.86	COROMANT	
10.260	3xD	0.4039		462.1-1026-031A0-XM X2BM	462.1-1026-031A1-XM X2BM	12	102	55	32.3	1.87	DIN 6537 K	
10.260	5xD	0.4039		462.1-1026-051A0-XM X2BM	462.1-1026-051A1-XM X2BM	12	118	71	52.8	1.87	DIN 6537 L	
10.260	8xD	0.4039			462.1-1026-077A1-XM X2BM	12	180	128	83.6	1.87	COROMANT	
10.300	3xD	0.4055		462.1-1030-031A0-XM X2BM	462.1-1030-031A1-XM X2BM	12	102	55	32.4	1.87	DIN 6537 K	
10.300	5xD	0.4055		462.1-1030-052A0-XM X2BM	462.1-1030-052A1-XM X2BM	12	118	71	53.0	1.87	DIN 6537 L	
10.300	8xD	0.4055			462.1-1030-077A1-XM X2BM	12	180	128	83.9	1.87	COROMANT	
10.319	3xD	0.4063	13/32"	462.1-1032-031A0-XM X2BM	462.1-1032-031A1-XM X2BM	12	102	55	32.5	1.88	DIN 6537 K	
10.319	5xD	0.4063	13/32"	462.1-1032-052A0-XM X2BM	462.1-1032-052A1-XM X2BM	12	118	71	53.1	1.88	DIN 6537 L	
10.319	8xD	0.4063	13/32"		462.1-1032-077A1-XM X2BM	12	180	128	84.1	1.88	COROMANT	
10.400	3xD	0.4094		462.1-1040-031A0-XM X2BM	462.1-1040-031A1-XM X2BM	12	102	55	32.7	1.89	DIN 6537 K	
10.400	5xD	0.4094		462.1-1040-052A0-XM X2BM	462.1-1040-052A1-XM X2BM	12	118	71	53.5	1.89	DIN 6537 L	
10.400	8xD	0.4094			462.1-1040-078A1-XM X2BM	12	180	128	84.7	1.89	COROMANT	
10.450	3xD	0.4114		462.1-1045-031A0-XM X2BM	462.1-1045-031A1-XM X2BM	12	102	55	32.9	1.90	DIN 6537 K	
10.450	5xD	0.4114		462.1-1045-052A0-XM X2BM	462.1-1045-052A1-XM X2BM	12	118	71	53.8	1.90	DIN 6537 L	
10.450	8xD	0.4114			462.1-1045-078A1-XM X2BM	12	180	128	85.1	1.90	COROMANT	
10.490	3xD	0.4130		462.1-1049-031A0-XM X2BM	462.1-1049-031A1-XM X2BM	12	102	55	33.0	1.91	DIN 6537 K	
10.490	5xD	0.4130		462.1-1049-052A0-XM X2BM	462.1-1049-052A1-XM X2BM	12	118	71	54.0	1.91	DIN 6537 L	
10.490	8xD	0.4130			462.1-1049-078A1-XM X2BM	12	180	128	85.5	1.91	COROMANT	
10.500	3xD	0.4134		462.1-1050-032A0-XM X2BM	462.1-1050-032A1-XM X2BM	12	102	55	33.0	1.91	DIN 6537 K	
10.500	5xD	0.4134		462.1-1050-053A0-XM X2BM	462.1-1050-053A1-XM X2BM	12	118	71	54.0	1.91	DIN 6537 L	
10.500	8xD	0.4134			462.1-1050-079A1-XM X2BM	12	180	128	85.5	1.91	COROMANT	
10.550	3xD	0.4154		462.1-1055-032A0-XM X2BM	462.1-1055-032A1-XM X2BM	12	102	55	33.2	1.92	DIN 6537 K	
10.550	5xD	0.4154		462.1-1055-053A0-XM X2BM	462.1-1055-053A1-XM X2BM	12	118	71	54.3	1.92	DIN 6537 L	
10.550	8xD	0.4154			462.1-1055-079A1-XM X2BM	12	180	128	85.9	1.92	COROMANT	
10.600	3xD	0.4173		462.1-1060-032A0-XM X2BM	462.1-1060-032A1-XM X2BM	12	102	55	33.3	1.93	DIN 6537 K	
10.600	5xD	0.4173		462.1-1060-053A0-XM X2BM	462.1-1060-053A1-XM X2BM	12	118	71	54.5	1.93	DIN 6537 L	
10.600	8xD	0.4173			462.1-1060-079A1-XM X2BM	12	180	128	86.3	1.93	COROMANT	

TCHA: H9
SIG: 140°
Grade: X2BM



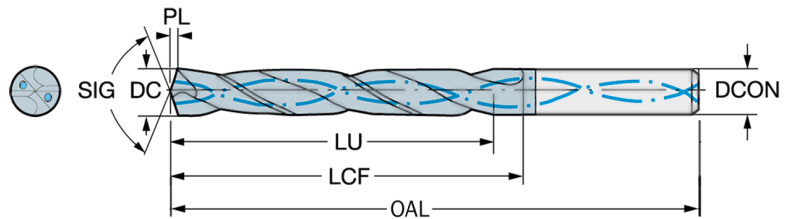
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
10.650	3xD	0.4193		462.1-1065-032A0-XM X2BM	462.1-1065-032A1-XM X2BM	12	102	55	33.5	1.94	DIN 6537 K	
10.650	5xD	0.4193		462.1-1065-053A0-XM X2BM	462.1-1065-053A1-XM X2BM	12	118	71	54.8	1.94	DIN 6537 L	
10.650	8xD	0.4193			462.1-1065-079A1-XM X2BM	12	180	128	86.8	1.94	COROMANT	
10.700	3xD	0.4213		462.1-1070-032A0-XM X2BM	462.1-1070-032A1-XM X2BM	12	102	55	33.7	1.95	DIN 6537 K	
10.700	5xD	0.4213		462.1-1070-053A0-XM X2BM	462.1-1070-054A1-XM X2BM	12	118	71	55.1	1.95	DIN 6537 L	
10.700	8xD	0.4213			462.1-1070-079A1-XM X2BM	12	180	128	87.2	1.95	COROMANT	
10.716	3xD	0.4219	27/64"	462.1-1072-032A0-XM X2BM	462.1-1072-032A1-XM X2BM	12	102	55	33.7	1.95	DIN 6537 K	
10.716	5xD	0.4219	27/64"	462.1-1072-054A0-XM X2BM	462.1-1072-054A1-XM X2BM	12	118	71	55.2	1.95	DIN 6537 L	
10.716	8xD	0.4219	27/64"		462.1-1072-080A1-XM X2BM	12	180	128	87.3	1.95	COROMANT	
10.750	3xD	0.4232		462.1-1075-032A0-XM X2BM	462.1-1075-032A1-XM X2BM	12	102	55	33.8	1.96	DIN 6537 K	
10.750	5xD	0.4232		462.1-1075-054A0-XM X2BM	462.1-1075-054A1-XM X2BM	12	118	71	55.3	1.96	DIN 6537 L	
10.750	8xD	0.4232			462.1-1075-080A1-XM X2BM	12	180	128	87.6	1.96	COROMANT	
10.800	3xD	0.4252		462.1-1080-032A0-XM X2BM	462.1-1080-032A1-XM X2BM	12	102	55	34.0	1.97	DIN 6537 K	
10.800	5xD	0.4252		462.1-1080-054A0-XM X2BM	462.1-1080-054A1-XM X2BM	12	118	71	55.6	1.97	DIN 6537 L	
10.800	8xD	0.4252			462.1-1080-080A1-XM X2BM	12	180	128	88.0	1.97	COROMANT	
10.900	3xD	0.4291		462.1-1090-032A0-XM X2BM	462.1-1090-032A1-XM X2BM	12	102	55	34.3	1.98	DIN 6537 K	
10.900	5xD	0.4291		462.1-1090-054A0-XM X2BM	462.1-1090-055A1-XM X2BM	12	118	71	56.1	1.98	DIN 6537 L	
10.900	8xD	0.4291			462.1-1090-080A1-XM X2BM	12	180	128	88.8	1.98	COROMANT	
11.000	3xD	0.4331		462.1-1100-033A0-XM X2BM	462.1-1100-033A1-XM X2BM	12	102	55	34.6	2.00	DIN 6537 K	
11.000	5xD	0.4331		462.1-1100-055A0-XM X2BM	462.1-1100-055A1-XM X2BM	12	118	71	56.6	2.00	DIN 6537 L	
11.000	8xD	0.4331			462.1-1100-083A1-XM X2BM	12	180	128	89.6	2.00	COROMANT	
11.113	3xD	0.4375	7/16"	462.1-1111-033A0-XM X2BM	462.1-1111-033A1-XM X2BM	12	102	55	35.0	2.02	DIN 6537 K	
11.113	5xD	0.4375	7/16"	462.1-1111-056A0-XM X2BM	462.1-1111-056A1-XM X2BM	12	118	71	57.2	2.02	DIN 6537 L	
11.113	8xD	0.4375	7/16"		462.1-1111-083A1-XM X2BM	12	180	128	90.5	2.02	COROMANT	
11.200	3xD	0.4409		462.1-1120-034A0-XM X2BM	462.1-1120-034A1-XM X2BM	12	102	55	35.2	2.04	DIN 6537 K	
11.200	5xD	0.4409		462.1-1120-056A0-XM X2BM	462.1-1120-056A1-XM X2BM	12	118	71	57.6	2.04	DIN 6537 L	
11.200	8xD	0.4409			462.1-1120-084A1-XM X2BM	12	180	128	91.2	2.04	COROMANT	
11.300	3xD	0.4449		462.1-1130-034A0-XM X2BM	462.1-1130-034A1-XM X2BM	12	102	55	35.6	2.06	DIN 6537 K	
11.300	5xD	0.4449		462.1-1130-056A0-XM X2BM	462.1-1130-057A1-XM X2BM	12	118	71	58.2	2.06	DIN 6537 L	
11.300	8xD	0.4449			462.1-1130-084A1-XM X2BM	12	180	128	92.1	2.06	COROMANT	
11.400	3xD	0.4488		462.1-1140-034A0-XM X2BM	462.1-1140-034A1-XM X2BM	12	102	55	35.9	2.07	DIN 6537 K	
11.400	5xD	0.4488		462.1-1140-057A0-XM X2BM	462.1-1140-057A1-XM X2BM	12	118	71	58.6	2.07	DIN 6537 L	
11.400	8xD	0.4488			462.1-1140-084A1-XM X2BM	12	180	128	92.9	2.07	COROMANT	
11.500	3xD	0.4528		462.1-1150-035A0-XM X2BM	462.1-1150-035A1-XM X2BM	12	102	55	36.2	2.09	DIN 6537 K	
11.500	5xD	0.4528		462.1-1150-058A0-XM X2BM	462.1-1150-058A1-XM X2BM	12	118	71	58.5	2.09	DIN 6537 L	
11.500	8xD	0.4528			462.1-1150-086A1-XM X2BM	12	180	128	93.7	2.09	COROMANT	
11.509	3xD	0.4531	29/64"	462.1-1151-035A0-XM X2BM	462.1-1151-035A1-XM X2BM	12	102	55	36.2	2.09	DIN 6537 K	
11.509	5xD	0.4531	29/64"	462.1-1151-058A0-XM X2BM	462.1-1151-058A1-XM X2BM	12	118	71	58.5	2.09	DIN 6537 L	
11.509	8xD	0.4531	29/64"		462.1-1151-086A1-XM X2BM	12	180	128	93.8	2.09	COROMANT	
11.550	3xD	0.4547		462.1-1155-035A0-XM X2BM	462.1-1155-035A1-XM X2BM	12	102	55	36.3	2.10	DIN 6537 K	
11.550	5xD	0.4547		462.1-1155-058A0-XM X2BM	462.1-1155-058A1-XM X2BM	12	118	71	58.4	2.10	DIN 6537 L	
11.550	8xD	0.4547			462.1-1155-086A1-XM X2BM	12	180	128	94.1	2.10	COROMANT	
11.600	3xD	0.4567		462.1-1160-035A0-XM X2BM	462.1-1160-035A1-XM X2BM	12	102	55	36.5	2.11	DIN 6537 K	
11.600	5xD	0.4567		462.1-1160-058A0-XM X2BM	462.1-1160-058A1-XM X2BM	12	118	71	58.4	2.11	DIN 6537 L	
11.600	8xD	0.4567			462.1-1160-086A1-XM X2BM	12	180	128	94.5	2.11	COROMANT	
11.700	3xD	0.4606		462.1-1170-035A0-XM X2BM	462.1-1170-035A1-XM X2BM	12	102	55	36.8	2.13	DIN 6537 K	
11.700	5xD	0.4606		462.1-1170-058A0-XM X2BM	462.1-1170-059A1-XM X2BM	12	118	71	58.3	2.13	DIN 6537 L	
11.700	8xD	0.4606			462.1-1170-086A1-XM X2BM	12	180	128	95.3	2.13	COROMANT	
11.800	3xD	0.4646		462.1-1180-035A0-XM X2BM	462.1-1180-035A1-XM X2BM	12	102	55	37.1	2.15	DIN 6537 K	
11.800	5xD	0.4646		462.1-1180-059A0-XM X2BM	462.1-1180-059A1-XM X2BM	12	118	71	58.2	2.15	DIN 6537 L	
11.800	8xD	0.4646			462.1-1180-089A1-XM X2BM	12	180	128	96.1	2.15	COROMANT	
11.906	3xD	0.4687	15/32"	462.1-1191-036A0-XM X2BM	462.1-1191-036A1-XM X2BM	12	102	55	37.5	2.17	DIN 6537 K	
11.906	5xD	0.4687	15/32"	462.1-1191-060A0-XM X2BM	462.1-1191-060A1-XM X2BM	12	118	71	58.1	2.17	DIN 6537 L	
11.906	8xD	0.4687	15/32"		462.1-1191-089A1-XM X2BM	12	180	128	97.0	2.17	COROMANT	
12.000	3xD	0.4724		462.1-1200-036A0-XM X2BM	462.1-1200-036A1-XM X2BM	12	102	55	37.8	2.18	DIN 6537 K	
12.000	5xD	0.4724		462.1-1200-060A0-XM X2BM	462.1-1200-060A1-XM X2BM	12	118	71	58.1	2.18	DIN 6537 L	

TCHA: H9
SIG: 140°
Grade: X2BM



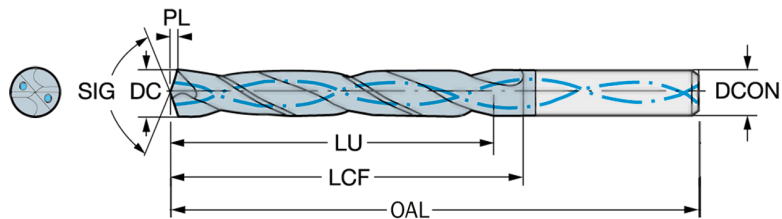
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
12.000	8xD	0.4724			462.1-1200-090A1-XM X2BM	12	180	128	97.8	2.18	COROMANT	
12.050	3xD	0.4744		462.1-1205-036A0-XM X2BM	462.1-1205-036A1-XM X2BM	14	107	60	37.9	2.19	DIN 6537 K	
12.050	5xD	0.4744		462.1-1205-060A0-XM X2BM	462.1-1205-060A1-XM X2BM	14	124	77	62.0	2.19	DIN 6537 L	
12.050	8xD	0.4744			462.1-1205-090A1-XM X2BM	14	202	151	98.2	2.19	COROMANT	
12.100	3xD	0.4764		462.1-1210-036A0-XM X2BM	462.1-1210-036A1-XM X2BM	14	107	60	38.1	2.20	DIN 6537 K	
12.100	5xD	0.4764		462.1-1210-061A0-XM X2BM	462.1-1210-060A1-XM X2BM	14	124	77	62.3	2.20	DIN 6537 L	
12.100	8xD	0.4764			462.1-1210-090A1-XM X2BM	14	202	151	98.6	2.20	COROMANT	
12.200	3xD	0.4803		462.1-1220-037A0-XM X2BM	462.1-1220-037A1-XM X2BM	14	107	60	38.4	2.22	DIN 6537 K	
12.200	5xD	0.4803		462.1-1220-061A0-XM X2BM	462.1-1220-061A1-XM X2BM	14	124	77	62.8	2.22	DIN 6537 L	
12.200	8xD	0.4803			462.1-1220-092A1-XM X2BM	14	202	151	99.4	2.22	COROMANT	
12.250	3xD	0.4823		462.1-1225-037A0-XM X2BM	462.1-1225-037A1-XM X2BM	14	107	60	38.5	2.23	DIN 6537 K	
12.250	5xD	0.4823		462.1-1225-061A0-XM X2BM	462.1-1225-061A1-XM X2BM	14	124	77	62.7	2.23	DIN 6537 L	
12.250	8xD	0.4823			462.1-1225-092A1-XM X2BM	14	202	151	99.8	2.23	COROMANT	
12.303	3xD	0.4844	31/64"	462.1-1230-037A0-XM X2BM	462.1-1230-037A1-XM X2BM	14	107	60	38.7	2.24	DIN 6537 K	
12.303	5xD	0.4844	31/64"	462.1-1230-062A0-XM X2BM	462.1-1230-062A1-XM X2BM	14	124	77	62.7	2.24	DIN 6537 L	
12.303	8xD	0.4844	31/64"		462.1-1230-092A1-XM X2BM	14	202	151	100.2	2.24	COROMANT	
12.400	3xD	0.4882		462.1-1240-037A0-XM X2BM	462.1-1240-037A1-XM X2BM	14	107	60	39.0	2.26	DIN 6537 K	
12.400	5xD	0.4882		462.1-1240-062A0-XM X2BM	462.1-1240-062A1-XM X2BM	14	124	77	62.6	2.26	DIN 6537 L	
12.400	8xD	0.4882			462.1-1240-092A1-XM X2BM	14	202	151	101.0	2.26	COROMANT	
12.500	3xD	0.4921		462.1-1250-038A0-XM X2BM	462.1-1250-038A1-XM X2BM	14	107	60	39.3	2.27	DIN 6537 K	
12.500	5xD	0.4921		462.1-1250-063A0-XM X2BM	462.1-1250-063A1-XM X2BM	14	124	77	62.4	2.27	DIN 6537 L	
12.500	8xD	0.4921			462.1-1250-094A1-XM X2BM	14	202	151	101.8	2.27	COROMANT	
12.600	3xD	0.4961		462.1-1260-038A0-XM X2BM	462.1-1260-038A1-XM X2BM	14	107	60	39.6	2.29	DIN 6537 K	
12.600	5xD	0.4961		462.1-1260-063A0-XM X2BM	462.1-1260-063A1-XM X2BM	14	124	77	62.3	2.29	DIN 6537 L	
12.600	8xD	0.4961			462.1-1260-094A1-XM X2BM	14	202	151	102.6	2.29	COROMANT	
12.700	3xD	0.5000	1/2"	462.1-1270-038A0-XM X2BM	462.1-1270-038A1-XM X2BM	14	107	60	40.0	2.31	DIN 6537 K	
12.700	5xD	0.5000	1/2"	462.1-1270-064A0-XM X2BM	462.1-1270-064A1-XM X2BM	14	124	77	62.2	2.31	DIN 6537 L	
12.700	8xD	0.5000	1/2"		462.1-1270-095A1-XM X2BM	14	202	151	103.5	2.31	COROMANT	
12.750	3xD	0.5020		462.1-1275-038A0-XM X2BM	462.1-1275-038A1-XM X2BM	14	107	60	40.1	2.32	DIN 6537 K	
12.750	5xD	0.5020		462.1-1275-064A0-XM X2BM	462.1-1275-064A1-XM X2BM	14	124	77	62.1	2.32	DIN 6537 L	
12.750	8xD	0.5020			462.1-1275-095A1-XM X2BM	14	202	151	103.9	2.32	COROMANT	
12.800	3xD	0.5039		462.1-1280-038A0-XM X2BM	462.1-1280-038A1-XM X2BM	14	107	60	40.3	2.33	DIN 6537 K	
12.800	5xD	0.5039		462.1-1280-064A0-XM X2BM	462.1-1280-064A1-XM X2BM	14	124	77	62.1	2.33	DIN 6537 L	
12.800	8xD	0.5039			462.1-1280-096A1-XM X2BM	14	202	151	104.3	2.33	COROMANT	
12.900	3xD	0.5079		462.1-1290-038A0-XM X2BM	462.1-1290-038A1-XM X2BM	14	107	60	40.6	2.35	DIN 6537 K	
12.900	5xD	0.5079		462.1-1290-064A0-XM X2BM	462.1-1290-065A1-XM X2BM	14	124	77	62.0	2.35	DIN 6537 L	
12.900	8xD	0.5079			462.1-1290-096A1-XM X2BM	14	202	151	105.1	2.35	COROMANT	
13.000	3xD	0.5118		462.1-1300-039A0-XM X2BM	462.1-1300-039A1-XM X2BM	14	107	60	40.9	2.37	DIN 6537 K	
13.000	5xD	0.5118		462.1-1300-065A0-XM X2BM	462.1-1300-065A1-XM X2BM	14	124	77	61.8	2.37	DIN 6537 L	
13.000	8xD	0.5118			462.1-1300-098A1-XM X2BM	14	202	151	105.9	2.37	COROMANT	
13.097	3xD	0.5156	33/64"	462.1-1310-039A0-XM X2BM	462.1-1310-039A1-XM X2BM	14	107	60	41.2	2.38	DIN 6537 K	
13.097	5xD	0.5156	33/64"	462.1-1310-066A0-XM X2BM	462.1-1310-066A1-XM X2BM	14	124	77	61.7	2.38	DIN 6537 L	
13.097	8xD	0.5156	33/64"		462.1-1310-098A1-XM X2BM	14	202	151	106.7	2.38	COROMANT	
13.250	3xD	0.5217		462.1-1325-039A0-XM X2BM	462.1-1325-039A1-XM X2BM	14	107	60	41.7	2.41	DIN 6537 K	
13.250	5xD	0.5217		462.1-1325-066A0-XM X2BM	462.1-1325-066A1-XM X2BM	14	124	77	61.5	2.41	DIN 6537 L	
13.250	8xD	0.5217			462.1-1325-098A1-XM X2BM	14	202	151	107.9	2.41	COROMANT	
13.300	3xD	0.5236		462.1-1330-039A0-XM X2BM	462.1-1330-039A1-XM X2BM	14	107	60	41.8	2.42	DIN 6537 K	
13.300	5xD	0.5236		462.1-1330-066A0-XM X2BM	462.1-1330-067A1-XM X2BM	14	124	77	61.5	2.42	DIN 6537 L	
13.300	8xD	0.5236			462.1-1330-098A1-XM X2BM	14	202	151	108.3	2.42	COROMANT	
13.400	3xD	0.5276		462.1-1340-039A0-XM X2BM	462.1-1340-039A1-XM X2BM	14	107	60	42.2	2.44	DIN 6537 K	
13.400	5xD	0.5276		462.1-1340-066A0-XM X2BM	462.1-1340-067A1-XM X2BM	14	124	77	61.3	2.44	DIN 6537 L	
13.400	8xD	0.5276			462.1-1340-098A1-XM X2BM	14	202	151	109.2	2.44	COROMANT	
13.494	3xD	0.5313	17/32"	462.1-1349-041A0-XM X2BM	462.1-1349-041A1-XM X2BM	14	107	60	42.4	2.46	DIN 6537 K	
13.494	5xD	0.5313	17/32"	462.1-1349-061A0-XM X2BM	462.1-1349-061A1-XM X2BM	14	124	77	61.2	2.46	DIN 6537 L	
13.494	8xD	0.5313	17/32"		462.1-1349-101A1-XM X2BM	14	202	151	109.9	2.46	COROMANT	
13.500	3xD	0.5315		462.1-1350-041A0-XM X2BM	462.1-1350-041A1-XM X2BM	14	107	60	42.5	2.46	DIN 6537 K	

TCHA: H9
SIG: 140°
Grade: X2BM



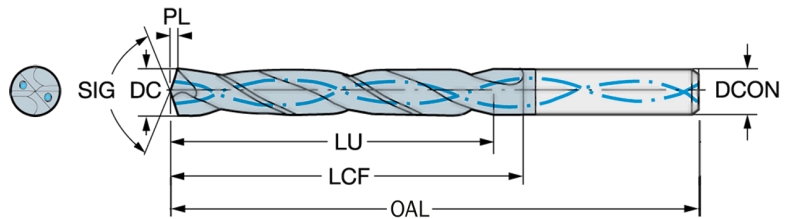
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
13.500	5xD	0.5315		462.1-1350-061A0-XM X2BM	462.1-1350-061A1-XM X2BM	14	124	77	61.2	2.46	DIN 6537 L	
13.500	8xD	0.5315			462.1-1350-101A1-XM X2BM	14	202	151	110.0	2.46	COROMANT	
13.550	3xD	0.5335		462.1-1355-041A0-XM X2BM	462.1-1355-041A1-XM X2BM	14	107	60	42.6	2.47	DIN 6537 K	
13.550	5xD	0.5335		462.1-1355-061A0-XM X2BM	462.1-1355-061A1-XM X2BM	14	124	77	61.2	2.47	DIN 6537 L	
13.550	8xD	0.5335			462.1-1355-101A1-XM X2BM	14	202	151	110.4	2.47	COROMANT	
13.650	3xD	0.5374		462.1-1365-041A0-XM X2BM	462.1-1365-041A1-XM X2BM	14	107	60	42.9	2.48	DIN 6537 K	
13.650	5xD	0.5374		462.1-1365-061A0-XM X2BM	462.1-1365-061A1-XM X2BM	14	124	77	61.0	2.48	DIN 6537 L	
13.650	8xD	0.5374			462.1-1365-101A1-XM X2BM	14	202	151	111.2	2.48	COROMANT	
13.700	3xD	0.5394		462.1-1370-041A0-XM X2BM	462.1-1370-041A1-XM X2BM	14	107	60	43.1	2.49	DIN 6537 K	
13.700	5xD	0.5394		462.1-1370-061A0-XM X2BM	462.1-1370-061A1-XM X2BM	14	124	77	61.0	2.49	DIN 6537 L	
13.700	8xD	0.5394			462.1-1370-103A1-XM X2BM	14	202	151	111.6	2.49	COROMANT	
13.750	3xD	0.5413		462.1-1375-041A0-XM X2BM	462.1-1375-041A1-XM X2BM	14	107	60	43.3	2.50	DIN 6537 K	
13.750	5xD	0.5413		462.1-1375-061A0-XM X2BM	462.1-1375-062A1-XM X2BM	14	124	77	60.9	2.50	DIN 6537 L	
13.750	8xD	0.5413			462.1-1375-103A1-XM X2BM	14	202	151	112.0	2.50	COROMANT	
13.800	3xD	0.5433		462.1-1380-041A0-XM X2BM	462.1-1380-041A1-XM X2BM	14	107	60	43.4	2.51	DIN 6537 K	
13.800	5xD	0.5433		462.1-1380-062A0-XM X2BM	462.1-1380-062A1-XM X2BM	14	124	77	60.9	2.51	DIN 6537 L	
13.800	8xD	0.5433			462.1-1380-103A1-XM X2BM	14	202	151	112.4	2.51	COROMANT	
13.891	3xD	0.5469	35/64"	462.1-1389-042A0-XM X2BM	462.1-1389-042A1-XM X2BM	14	107	60	43.7	2.53	DIN 6537 K	
13.891	5xD	0.5469	35/64"	462.1-1389-063A0-XM X2BM	462.1-1389-063A1-XM X2BM	14	124	77	60.8	2.53	DIN 6537 L	
13.891	8xD	0.5469	35/64"		462.1-1389-104A1-XM X2BM	14	202	151	113.1	2.53	COROMANT	
14.000	3xD	0.5512		462.1-1400-042A0-XM X2BM	462.1-1400-042A1-XM X2BM	14	107	60	43.6	2.55	DIN 6537 K	
14.000	5xD	0.5512		462.1-1400-063A0-XM X2BM	462.1-1400-063A1-XM X2BM	14	124	77	60.6	2.55	DIN 6537 L	
14.000	8xD	0.5512			462.1-1400-105A1-XM X2BM	14	202	151	114.0	2.55	COROMANT	
14.100	3xD	0.5551		462.1-1410-042A0-XM X2BM	462.1-1410-042A1-XM X2BM	16	115	65	44.4	2.57	DIN 6537 K	
14.100	5xD	0.5551		462.1-1410-063A0-XM X2BM	462.1-1410-063A1-XM X2BM	16	133	83	66.9	2.57	DIN 6537 L	
14.100	8xD	0.5551			462.1-1410-105A1-XM X2BM	16	227	172	114.9	2.57	COROMANT	
14.200	3xD	0.5591		462.1-1420-042A0-XM X2BM	462.1-1420-042A1-XM X2BM	16	115	65	44.7	2.58	DIN 6537 K	
14.200	5xD	0.5591		462.1-1420-063A0-XM X2BM	462.1-1420-063A1-XM X2BM	16	133	83	66.8	2.58	DIN 6537 L	
14.200	8xD	0.5591			462.1-1420-107A1-XM X2BM	16	227	172	115.7	2.58	COROMANT	
14.250	3xD	0.5610		462.1-1425-043A0-XM X2BM	462.1-1425-043A1-XM X2BM	16	115	65	44.8	2.59	DIN 6537 K	
14.250	5xD	0.5610		462.1-1425-071A0-XM X2BM	462.1-1425-071A1-XM X2BM	16	133	83	66.8	2.59	DIN 6537 L	
14.250	8xD	0.5610			462.1-1425-107A1-XM X2BM	16	227	172	116.1	2.59	COROMANT	
14.288	3xD	0.5625	9/16"	462.1-1429-043A0-XM X2BM	462.1-1429-043A1-XM X2BM	16	115	65	45.0	2.60	DIN 6537 K	
14.288	5xD	0.5625	9/16"	462.1-1429-072A0-XM X2BM	462.1-1429-072A1-XM X2BM	16	133	83	66.7	2.60	DIN 6537 L	
14.288	8xD	0.5625	9/16"		462.1-1429-107A1-XM X2BM	16	227	172	116.4	2.60	COROMANT	
14.300	3xD	0.5630		462.1-1430-043A0-XM X2BM	462.1-1430-043A1-XM X2BM	16	115	65	45.0	2.60	DIN 6537 K	
14.300	5xD	0.5630		462.1-1430-072A0-XM X2BM	462.1-1430-072A1-XM X2BM	16	133	83	66.7	2.60	DIN 6537 L	
14.300	8xD	0.5630			462.1-1430-107A1-XM X2BM	16	227	172	116.5	2.60	COROMANT	
14.500	3xD	0.5709		462.1-1450-044A0-XM X2BM	462.1-1450-044A1-XM X2BM	16	115	65	45.6	2.64	DIN 6537 K	
14.500	5xD	0.5709		462.1-1450-073A0-XM X2BM	462.1-1450-073A1-XM X2BM	16	133	83	66.5	2.64	DIN 6537 L	
14.500	8xD	0.5709			462.1-1450-109A1-XM X2BM	16	227	172	118.1	2.64	COROMANT	
14.550	3xD	0.5728		462.1-1455-044A0-XM X2BM	462.1-1455-044A1-XM X2BM	16	115	65	45.8	2.65	DIN 6537 K	
14.550	5xD	0.5728		462.1-1455-073A0-XM X2BM	462.1-1455-073A1-XM X2BM	16	133	83	66.5	2.65	DIN 6537 L	
14.550	8xD	0.5728			462.1-1455-109A1-XM X2BM	16	227	172	118.5	2.65	COROMANT	
14.600	3xD	0.5748		462.1-1460-044A0-XM X2BM	462.1-1460-044A1-XM X2BM	16	115	65	45.9	2.66	DIN 6537 K	
14.600	5xD	0.5748		462.1-1460-073A0-XM X2BM	462.1-1460-073A1-XM X2BM	16	133	83	66.4	2.66	DIN 6537 L	
14.600	8xD	0.5748			462.1-1460-109A1-XM X2BM	16	227	172	118.9	2.66	COROMANT	
14.680	3xD	0.5780		462.1-1468-044A0-XM X2BM	462.1-1468-044A1-XM X2BM	16	115	65	46.2	2.67	DIN 6537 K	
14.680	5xD	0.5780		462.1-1468-073A0-XM X2BM	462.1-1468-073A1-XM X2BM	16	133	83	66.4	2.67	DIN 6537 L	
14.680	8xD	0.5780			462.1-1468-110A1-XM X2BM	16	227	172	119.6	2.67	COROMANT	
14.700	3xD	0.5787		462.1-1470-044A0-XM X2BM	462.1-1470-044A1-XM X2BM	16	115	65	46.2	2.67	DIN 6537 K	
14.700	5xD	0.5787		462.1-1470-073A0-XM X2BM	462.1-1470-073A1-XM X2BM	16	133	83	66.4	2.67	DIN 6537 L	
14.700	8xD	0.5787			462.1-1470-110A1-XM X2BM	16	227	172	119.7	2.67	COROMANT	
14.750	3xD	0.5807		462.1-1475-044A0-XM X2BM	462.1-1475-044A1-XM X2BM	16	115	65	46.4	2.68	DIN 6537 K	
14.750	5xD	0.5807		462.1-1475-073A0-XM X2BM	462.1-1475-066A1-XM X2BM	16	133	83	66.3	2.68	DIN 6537 L	
14.750	8xD	0.5807			462.1-1475-110A1-XM X2BM	16	227	172	120.2	2.68	COROMANT	

TCHA: H9
SIG: 140°
Grade: X2BM



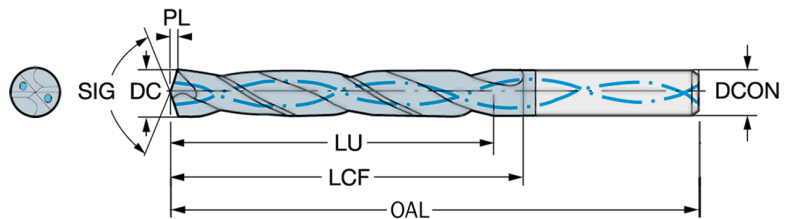
Order number						Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
14.800	3xD	0.5827		462.1-1480-044A0-XM X2BM	462.1-1480-044A1-XM X2BM	16	115	65	46.6	2.69	DIN 6537 K	
14.800	5xD	0.5827		462.1-1480-067A0-XM X2BM	462.1-1480-067A1-XM X2BM	16	133	83	66.3	2.69	DIN 6537 L	
14.800	8xD	0.5827			462.1-1480-110A1-XM X2BM	16	227	172	120.6	2.69	COROMANT	
15.000	3xD	0.5906		462.1-1500-045A0-XM X2BM	462.1-1500-045A1-XM X2BM	16	115	65	47.2	2.73	DIN 6537 K	
15.000	5xD	0.5906		462.1-1500-068A0-XM X2BM	462.1-1500-068A1-XM X2BM	16	133	83	66.1	2.73	DIN 6537 L	
15.000	8xD	0.5906			462.1-1500-113A1-XM X2BM	16	227	172	122.2	2.73	COROMANT	
15.081	3xD	0.5937	19/32"	462.1-1508-045A0-XM X2BM	462.1-1508-045A1-XM X2BM	16	115	65	47.4	2.74	DIN 6537 K	
15.081	5xD	0.5937	19/32"	462.1-1508-068A0-XM X2BM	462.1-1508-068A1-XM X2BM	16	133	83	66.0	2.74	DIN 6537 L	
15.081	8xD	0.5937	19/32"		462.1-1508-113A1-XM X2BM	16	227	172	122.8	2.74	COROMANT	
15.100	3xD	0.5945		462.1-1510-045A0-XM X2BM	462.1-1510-045A1-XM X2BM	16	115	65	47.5	2.75	DIN 6537 K	
15.100	5xD	0.5945		462.1-1510-068A0-XM X2BM	462.1-1510-068A1-XM X2BM	16	133	83	66.0	2.75	DIN 6537 L	
15.100	8xD	0.5945			462.1-1510-113A1-XM X2BM	16	227	172	123.0	2.75	COROMANT	
15.250	3xD	0.6004		462.1-1525-045A0-XM X2BM	462.1-1525-045A1-XM X2BM	16	115	65	47.9	2.78	DIN 6537 K	
15.250	5xD	0.6004		462.1-1525-068A0-XM X2BM	462.1-1525-069A1-XM X2BM	16	133	83	65.9	2.78	DIN 6537 L	
15.250	8xD	0.6004			462.1-1525-113A1-XM X2BM	16	227	172	124.2	2.78	COROMANT	
15.300	3xD	0.6024		462.1-1530-045A0-XM X2BM	462.1-1530-045A1-XM X2BM	16	115	65	47.8	2.78	DIN 6537 K	
15.300	5xD	0.6024		462.1-1530-068A0-XM X2BM	462.1-1530-069A1-XM X2BM	16	133	83	65.8	2.78	DIN 6537 L	
15.300	8xD	0.6024			462.1-1530-113A1-XM X2BM	16	227	172	124.6	2.78	COROMANT	
15.478	3xD	0.6094	39/64"	462.1-1548-046A0-XM X2BM	462.1-1548-046A1-XM X2BM	16	115	65	47.6	2.82	DIN 6537 K	
15.478	5xD	0.6094	39/64"	462.1-1548-070A0-XM X2BM	462.1-1548-070A1-XM X2BM	16	133	83	65.6	2.82	DIN 6537 L	
15.478	8xD	0.6094	39/64"		462.1-1548-116A1-XM X2BM	16	227	172	126.1	2.82	COROMANT	
15.500	3xD	0.6102		462.1-1550-047A0-XM X2BM	462.1-1550-047A1-XM X2BM	16	115	65	47.6	2.82	DIN 6537 K	
15.500	5xD	0.6102		462.1-1550-070A0-XM X2BM	462.1-1550-070A1-XM X2BM	16	133	83	65.6	2.82	DIN 6537 L	
15.500	8xD	0.6102			462.1-1550-116A1-XM X2BM	16	227	172	126.3	2.82	COROMANT	
15.550	3xD	0.6122		462.1-1555-047A0-XM X2BM	462.1-1555-047A1-XM X2BM	16	115	65	47.6	2.83	DIN 6537 K	
15.550	5xD	0.6122		462.1-1555-070A0-XM X2BM	462.1-1555-070A1-XM X2BM	16	133	83	65.6	2.83	DIN 6537 L	
15.550	8xD	0.6122			462.1-1555-116A1-XM X2BM	16	227	172	126.7	2.83	COROMANT	
15.600	3xD	0.6142		462.1-1560-047A0-XM X2BM	462.1-1560-047A1-XM X2BM	16	115	65	47.5	2.84	DIN 6537 K	
15.600	5xD	0.6142		462.1-1560-070A0-XM X2BM	462.1-1560-070A1-XM X2BM	16	133	83	65.5	2.84	DIN 6537 L	
15.600	8xD	0.6142			462.1-1560-116A1-XM X2BM	16	227	172	127.1	2.84	COROMANT	
15.700	3xD	0.6181		462.1-1570-047A0-XM X2BM	462.1-1570-047A1-XM X2BM	16	115	65	47.5	2.86	DIN 6537 K	
15.700	5xD	0.6181		462.1-1570-070A0-XM X2BM	462.1-1570-070A1-XM X2BM	16	133	83	65.5	2.86	DIN 6537 L	
15.700	8xD	0.6181			462.1-1570-118A1-XM X2BM	16	227	172	127.9	2.86	COROMANT	
15.800	3xD	0.6220		462.1-1580-047A0-XM X2BM	462.1-1580-047A1-XM X2BM	16	115	65	47.4	2.88	DIN 6537 K	
15.800	5xD	0.6220		462.1-1580-071A0-XM X2BM	462.1-1580-071A1-XM X2BM	16	133	83	65.4	2.88	DIN 6537 L	
15.800	8xD	0.6220			462.1-1580-118A1-XM X2BM	16	227	172	128.7	2.88	COROMANT	
15.875	3xD	0.6250	5/8"	462.1-1588-047A0-XM X2BM	462.1-1588-048A1-XM X2BM	16	115	65	47.3	2.89	DIN 6537 K	
15.875	5xD	0.6250	5/8"	462.1-1588-071A0-XM X2BM	462.1-1588-071A1-XM X2BM	16	133	83	65.3	2.89	DIN 6537 L	
15.875	8xD	0.6250	5/8"		462.1-1588-119A1-XM X2BM	16	227	172	129.4	2.89	COROMANT	
16.000	3xD	0.6299		462.1-1600-048A0-XM X2BM	462.1-1600-048A1-XM X2BM	16	115	65	47.2	2.91	DIN 6537 K	
16.000	5xD	0.6299		462.1-1600-072A0-XM X2BM	462.1-1600-072A1-XM X2BM	16	133	83	65.2	2.91	DIN 6537 L	
16.000	8xD	0.6299			462.1-1600-120A1-XM X2BM	16	227	172	130.3	2.91	COROMANT	
16.080	3xD	0.6331		462.1-1608-048A0-XM X2BM	462.1-1608-048A1-XM X2BM	18	123	73	50.6	2.93	DIN 6537 K	
16.080	5xD	0.6331		462.1-1608-072A0-XM X2BM	462.1-1608-072A1-XM X2BM	18	143	93	73.7	2.93	DIN 6537 L	
16.080	8xD	0.6331			462.1-1608-120A1-XM X2BM	18	246	194	131.0	2.93	COROMANT	
16.100	3xD	0.6339		462.1-1610-048A0-XM X2BM	462.1-1610-048A1-XM X2BM	18	123	73	50.6	2.93	DIN 6537 K	
16.100	5xD	0.6339		462.1-1610-072A0-XM X2BM	462.1-1610-072A1-XM X2BM	18	143	93	73.7	2.93	DIN 6537 L	
16.100	8xD	0.6339			462.1-1610-120A1-XM X2BM	18	246	194	131.1	2.93	COROMANT	
16.272	3xD	0.6406	41/64"	462.1-1627-049A0-XM X2BM	462.1-1627-049A1-XM X2BM	18	123	73	51.2	2.96	DIN 6537 K	
16.272	5xD	0.6406	41/64"	462.1-1627-081A0-XM X2BM	462.1-1627-081A1-XM X2BM	18	143	93	73.5	2.96	DIN 6537 L	
16.272	8xD	0.6406	41/64"		462.1-1627-120A1-XM X2BM	18	246	194	132.5	2.96	COROMANT	
16.300	3xD	0.6417		462.1-1630-049A0-XM X2BM	462.1-1630-050A1-XM X2BM	18	123	73	51.3	2.97	DIN 6537 K	
16.300	5xD	0.6417		462.1-1630-081A0-XM X2BM	462.1-1630-073A1-XM X2BM	18	143	93	73.4	2.97	DIN 6537 L	
16.300	8xD	0.6417			462.1-1630-120A1-XM X2BM	18	246	194	132.8	2.97	COROMANT	
16.500	3xD	0.6496		462.1-1650-050A0-XM X2BM	462.1-1650-050A1-XM X2BM	18	123	73	51.9	3.00	DIN 6537 K	
16.500	5xD	0.6496		462.1-1650-074A0-XM X2BM	462.1-1650-074A1-XM X2BM	18	143	93	73.1	3.00	DIN 6537 L	

TCHA: H9
SIG: 140°
Grade: X2BM



				Order number		Dimensions, mm						Discount group 722
DC Metric	Drilling depth	DC inches	DC fractional	without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
16.500	8xD	0.6496			462.1-1650-120A1-XM X2BM	18	246	194	134.4	3.00	COROMANT	
16.550	3xD	0.6516		462.1-1655-050A0-XM X2BM	462.1-1655-050A1-XM X2BM	18	123	73	52.1	3.01	DIN 6537 K	
16.550	5xD	0.6516		462.1-1655-074A0-XM X2BM	462.1-1655-074A1-XM X2BM	18	143	93	73.1	3.01	DIN 6537 L	
16.550	8xD	0.6516			462.1-1655-120A1-XM X2BM	18	246	194	134.8	3.01	COROMANT	
16.669	3xD	0.6563	21/32"	462.1-1667-050A0-XM X2BM	462.1-1667-050A1-XM X2BM	18	123	73	52.4	3.03	DIN 6537 K	
16.669	5xD	0.6563	21/32"	462.1-1667-075A0-XM X2BM	462.1-1667-075A1-XM X2BM	18	143	93	72.9	3.03	DIN 6537 L	
16.669	8xD	0.6563	21/32"		462.1-1667-120A1-XM X2BM	18	246	194	135.8	3.03	COROMANT	
16.750	3xD	0.6594		462.1-1675-050A0-XM X2BM	462.1-1675-050A1-XM X2BM	18	123	73	52.7	3.05	DIN 6537 K	
16.750	5xD	0.6594		462.1-1675-075A0-XM X2BM	462.1-1675-075A1-XM X2BM	18	143	93	72.8	3.05	DIN 6537 L	
16.750	8xD	0.6594			462.1-1675-120A1-XM X2BM	18	246	194	136.4	3.05	COROMANT	
16.800	3xD	0.6614		462.1-1680-050A0-XM X2BM	462.1-1680-050A1-XM X2BM	18	123	73	52.7	3.06	DIN 6537 K	
16.800	5xD	0.6614		462.1-1680-075A0-XM X2BM	462.1-1680-076A1-XM X2BM	18	143	93	72.7	3.06	DIN 6537 L	
16.800	8xD	0.6614			462.1-1680-120A1-XM X2BM	18	246	194	136.9	3.06	COROMANT	
16.900	3xD	0.6654		462.1-1690-050A0-XM X2BM	462.1-1690-050A1-XM X2BM	18	123	73	52.5	3.08	DIN 6537 K	
16.900	5xD	0.6654		462.1-1690-075A0-XM X2BM	462.1-1690-076A1-XM X2BM	18	143	93	72.5	3.08	DIN 6537 L	
16.900	8xD	0.6654			462.1-1690-120A1-XM X2BM	18	246	194	137.7	3.08	COROMANT	
17.000	3xD	0.6693		462.1-1700-051A0-XM X2BM	462.1-1700-051A1-XM X2BM	18	123	73	52.4	3.09	DIN 6537 K	
17.000	5xD	0.6693		462.1-1700-077A0-XM X2BM	462.1-1700-077A1-XM X2BM	18	143	93	72.4	3.09	DIN 6537 L	
17.000	8xD	0.6693			462.1-1700-128A1-XM X2BM	18	246	194	138.5	3.09	COROMANT	
17.065	3xD	0.6719	43/64	462.1-1707-051A0-XM X2BM	462.1-1707-051A1-XM X2BM	18	123	73	52.3	3.11	DIN 6537 K	
17.065	5xD	0.6719	43/64	462.1-1707-077A0-XM X2BM	462.1-1707-077A1-XM X2BM	18	143	93	72.3	3.11	DIN 6537 L	
17.065	8xD	0.6719	43/64		462.1-1707-128A1-XM X2BM	18	246	194	139.1	3.11	COROMANT	
17.100	3xD	0.6732		462.1-1710-051A0-XM X2BM	462.1-1710-051A1-XM X2BM	18	123	73	52.3	3.11	DIN 6537 K	
17.100	5xD	0.6732		462.1-1710-077A0-XM X2BM	462.1-1710-077A1-XM X2BM	18	143	93	72.3	3.11	DIN 6537 L	
17.100	8xD	0.6732			462.1-1710-128A1-XM X2BM	18	246	194	139.3	3.11	COROMANT	
17.300	3xD	0.6811		462.1-1730-051A0-XM X2BM	462.1-1730-051A1-XM X2BM	18	123	73	52.0	3.15	DIN 6537 K	
17.300	5xD	0.6811		462.1-1730-077A0-XM X2BM	462.1-1730-078A1-XM X2BM	18	143	93	72.0	3.15	DIN 6537 L	
17.300	8xD	0.6811			462.1-1730-128A1-XM X2BM	18	246	194	140.9	3.15	COROMANT	
17.463	3xD	0.6875	11/16"	462.1-1746-052A0-XM X2BM	462.1-1746-052A1-XM X2BM	18	123	73	51.7	3.18	DIN 6537 K	
17.463	5xD	0.6875	11/16"	462.1-1746-079A0-XM X2BM	462.1-1746-079A1-XM X2BM	18	143	93	71.7	3.18	DIN 6537 L	
17.463	8xD	0.6875	11/16"		462.1-1746-128A1-XM X2BM	18	246	194	142.2	3.18	COROMANT	
17.500	3xD	0.6890		462.1-1750-053A0-XM X2BM	462.1-1750-053A1-XM X2BM	18	123	73	51.7	3.18	DIN 6537 K	
17.500	5xD	0.6890		462.1-1750-079A0-XM X2BM	462.1-1750-079A1-XM X2BM	18	143	93	71.7	3.18	DIN 6537 L	
17.500	8xD	0.6890			462.1-1750-131A1-XM X2BM	18	246	194	142.6	3.18	COROMANT	
17.550	3xD	0.6909		462.1-1755-053A0-XM X2BM	462.1-1755-053A1-XM X2BM	18	123	73	51.6	3.19	DIN 6537 K	
17.550	5xD	0.6909		462.1-1755-079A0-XM X2BM	462.1-1755-079A1-XM X2BM	18	143	93	71.6	3.19	DIN 6537 L	
17.550	8xD	0.6909			462.1-1755-131A1-XM X2BM	18	246	194	143.0	3.19	COROMANT	
17.800	3xD	0.7008		462.1-1780-053A0-XM X2BM	462.1-1780-053A1-XM X2BM	18	123	73	51.2	3.24	DIN 6537 K	
17.800	5xD	0.7008		462.1-1780-080A0-XM X2BM	462.1-1780-080A1-XM X2BM	18	143	93	71.2	3.24	DIN 6537 L	
17.800	8xD	0.7008			462.1-1780-131A1-XM X2BM	18	246	194	145.0	3.24	COROMANT	
17.859	3xD	0.7031	45/64"	462.1-1786-054A0-XM X2BM	462.1-1786-054A1-XM X2BM	18	123	73	51.1	3.25	DIN 6537 K	
17.859	5xD	0.7031	45/64"	462.1-1786-080A0-XM X2BM	462.1-1786-080A1-XM X2BM	18	143	93	71.1	3.25	DIN 6537 L	
17.859	8xD	0.7031	45/64"		462.1-1786-131A1-XM X2BM	18	246	194	145.5	3.25	COROMANT	
17.900	3xD	0.7047		462.1-1790-054A0-XM X2BM	462.1-1790-054A1-XM X2BM	18	123	73	51.1	3.26	DIN 6537 K	
17.900	5xD	0.7047		462.1-1790-080A0-XM X2BM	462.1-1790-081A1-XM X2BM	18	143	93	71.1	3.26	DIN 6537 L	
17.900	8xD	0.7047			462.1-1790-131A1-XM X2BM	18	246	194	145.8	3.26	COROMANT	
18.000	3xD	0.7087		462.1-1800-054A0-XM X2BM	462.1-1800-054A1-XM X2BM	18	123	73	50.9	3.28	DIN 6537 K	
18.000	5xD	0.7087		462.1-1800-081A0-XM X2BM	462.1-1800-081A1-XM X2BM	18	143	93	70.9	3.28	DIN 6537 L	
18.000	8xD	0.7087			462.1-1800-135A1-XM X2BM	18	246	194	146.6	3.28	COROMANT	
18.256	3xD	0.7187	23/32	462.1-1826-055A0-XM X2BM	462.1-1826-055A1-XM X2BM	20	131	79	57.1	3.32	DIN 6537 K	
18.256	5xD	0.7187	23/32	462.1-1826-082A0-XM X2BM	462.1-1826-082A1-XM X2BM	20	153	101	79.1	3.32	DIN 6537 L	
18.256	8xD	0.7187	23/32		462.1-1826-135A1-XM X2BM	20	269	215	148.7	3.32	COROMANT	
18.350	3xD	0.7224		462.1-1835-055A0-XM X2BM	462.1-1835-055A1-XM X2BM	20	131	79	57.0	3.34	DIN 6537 K	
18.350	5xD	0.7224		462.1-1835-082A0-XM X2BM	462.1-1835-083A1-XM X2BM	20	153	101	79.0	3.34	DIN 6537 L	
18.350	8xD	0.7224			462.1-1835-135A1-XM X2BM	20	269	215	149.5	3.34	COROMANT	
18.500	3xD	0.7283		462.1-1850-056A0-XM X2BM	462.1-1850-056A1-XM X2BM	20	131	79	57.0	3.37	DIN 6537 K	

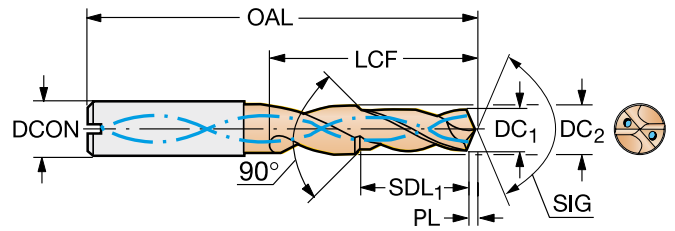
TCHA: H9
SIG: 140°
Grade: X2BM



DC Metric	Drilling depth	DC inches	DC fractional	Order number		Dimensions, mm						Discount group 722
				without IC	with IC	DCON	OAL	LCF	LU	PL	BSG	
18.500	5xD	0.7283		462.1-1850-083A0-XM X2BM	462.1-1850-083A1-XM X2BM	20	153	101	79.0	3.37	DIN 6537 L	
18.500	8xD	0.7283			462.1-1850-139A1-XM X2BM	20	269	215	150.7	3.37	COROMANT	
18.653	3xD	0.7344	47/64"	462.1-1865-056A0-XM X2BM	462.1-1865-056A1-XM X2BM	20	131	79	56.9	3.39	DIN 6537 K	
18.653	5xD	0.7344	47/64"	462.1-1865-084A0-XM X2BM	462.1-1865-084A1-XM X2BM	20	153	101	78.9	3.39	DIN 6537 L	
18.653	8xD	0.7344	47/64"		462.1-1865-139A1-XM X2BM	20	269	215	151.9	3.39	COROMANT	
18.800	3xD	0.7402		462.1-1880-056A0-XM X2BM	462.1-1880-056A1-XM X2BM	20	131	79	56.8	3.42	DIN 6537 K	
18.800	5xD	0.7402		462.1-1880-084A0-XM X2BM	462.1-1880-084A1-XM X2BM	20	153	101	78.8	3.42	DIN 6537 L	
18.800	8xD	0.7402			462.1-1880-139A1-XM X2BM	20	269	215	153.1	3.42	COROMANT	
18.900	3xD	0.7441		462.1-1890-056A0-XM X2BM	462.1-1890-056A1-XM X2BM	20	131	79	56.8	3.44	DIN 6537 K	
18.900	5xD	0.7441		462.1-1890-084A0-XM X2BM	462.1-1890-085A1-XM X2BM	20	153	101	78.8	3.44	DIN 6537 L	
18.900	8xD	0.7441			462.1-1890-139A1-XM X2BM	20	269	215	154.0	3.44	COROMANT	
19.000	3xD	0.7480		462.1-1900-057A0-XM X2BM	462.1-1900-057A1-XM X2BM	20	131	79	56.7	3.46	DIN 6537 K	
19.000	5xD	0.7480		462.1-1900-086A0-XM X2BM	462.1-1900-086A1-XM X2BM	20	153	101	78.7	3.46	DIN 6537 L	
19.000	8xD	0.7480			462.1-1900-143A1-XM X2BM	20	269	215	154.8	3.46	COROMANT	
19.050	3xD	0.7500	3/4"	462.1-1905-057A0-XM X2BM	462.1-1905-057A1-XM X2BM	20	131	79	56.7	3.47	DIN 6537 K	
19.050	5xD	0.7500	3/4"	462.1-1905-086A0-XM X2BM	462.1-1905-086A1-XM X2BM	20	153	101	78.7	3.47	DIN 6537 L	
19.050	8xD	0.7500	3/4"		462.1-1905-143A1-XM X2BM	20	269	215	155.2	3.47	COROMANT	
19.250	3xD	0.7579		462.1-1925-057A0-XM X2BM	462.1-1925-057A1-XM X2BM	20	131	79	56.6	3.50	DIN 6537 K	
19.250	5xD	0.7579		462.1-1925-086A0-XM X2BM	462.1-1925-087A1-XM X2BM	20	153	101	78.6	3.50	DIN 6537 L	
19.250	8xD	0.7579			462.1-1925-143A1-XM X2BM	20	269	215	156.8	3.50	COROMANT	
19.300	3xD	0.7598		462.1-1930-057A0-XM X2BM	462.1-1930-057A1-XM X2BM	20	131	79	56.6	3.51	DIN 6537 K	
19.300	5xD	0.7598		462.1-1930-086A0-XM X2BM	462.1-1930-087A1-XM X2BM	20	153	101	78.6	3.51	DIN 6537 L	
19.300	8xD	0.7598			462.1-1930-143A1-XM X2BM	20	269	215	157.2	3.51	COROMANT	
19.500	3xD	0.7677		462.1-1950-059A0-XM X2BM	462.1-1950-059A1-XM X2BM	20	131	79	56.5	3.54	DIN 6537 K	
19.500	5xD	0.7677		462.1-1950-088A0-XM X2BM	462.1-1950-088A1-XM X2BM	20	153	101	78.5	3.54	DIN 6537 L	
19.500	8xD	0.7677			462.1-1950-146A1-XM X2BM	20	269	215	158.8	3.54	COROMANT	
19.550	3xD	0.7697		462.1-1955-059A0-XM X2BM	462.1-1955-059A1-XM X2BM	20	131	79	56.4	3.56	DIN 6537 K	
19.550	5xD	0.7697		462.1-1955-088A0-XM X2BM	462.1-1955-088A1-XM X2BM	20	153	101	78.4	3.56	DIN 6537 L	
19.550	8xD	0.7697			462.1-1955-146A1-XM X2BM	20	269	215	159.3	3.56	COROMANT	
19.800	3xD	0.7795		462.1-1980-059A0-XM X2BM	462.1-1980-059A1-XM X2BM	20	131	79	56.3	3.60	DIN 6537 K	
19.800	5xD	0.7795		462.1-1980-089A0-XM X2BM	462.1-1980-089A1-XM X2BM	20	153	101	78.3	3.60	DIN 6537 L	
19.800	8xD	0.7795			462.1-1980-146A1-XM X2BM	20	269	215	161.3	3.60	COROMANT	
20.000	3xD	0.7874		462.1-2000-060A0-XM X2BM	462.1-2000-060A1-XM X2BM	20	131	79	56.2	3.64	DIN 6537 K	
20.000	5xD	0.7874		462.1-2000-090A0-XM X2BM	462.1-2000-090A1-XM X2BM	20	153	101	78.2	3.64	DIN 6537 L	
20.000	8xD	0.7874			462.1-2000-150A1-XM X2BM	20	269	215	162.9	3.64	COROMANT	

CHAMFER DRILL – CoroDrill® Dura 462-XM

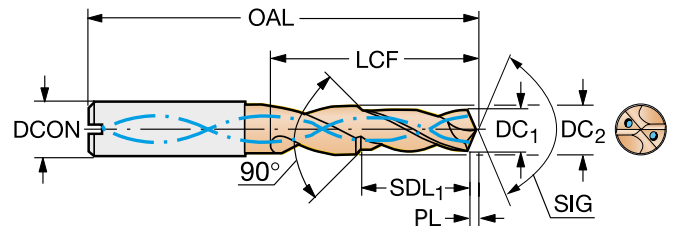
TCHA: H9
SIG: 140°
STA: 90°
Grade: X2BM



Order number						Dimensions, mm							Discount group 722
DC1 Metric	DC2 Metric	Drilling depth	DC Inch	SDL	with IC	DCON	OAL	LCF	LU	PL	LF	BSG	
3.30	4.46	3xD	0.1299	9.90	462.2-0330-010A1-XM X2BM	6	66	22	10.84	0.60	66	COROMANT	
3.35	4.52	3xD	0.1319	10.05	462.2-0335-011A1-XM X2BM	6	66	22	11.01	0.61	66	COROMANT	
3.40	4.59	3xD	0.1339	10.20	462.2-0340-011A1-XM X2BM	6	66	22	11.17	0.62	66	COROMANT	
3.50	4.73	3xD	0.1378	10.50	462.2-0350-011A1-XM X2BM	6	66	22	11.50	0.64	65	COROMANT	
3.70	5.00	3xD	0.1457	11.10	462.2-0370-012A1-XM X2BM	6	66	24	12.16	0.67	65	COROMANT	
3.75	5.06	3xD	0.1476	11.25	462.2-0375-012A1-XM X2BM	6	66	24	12.32	0.68	65	COROMANT	
3.80	5.13	3xD	0.1496	11.40	462.2-0380-012A1-XM X2BM	6	66	24	12.49	0.69	65	COROMANT	
3.85	5.20	3xD	0.1516	11.55	462.2-0385-012A1-XM X2BM	6	66	24	12.65	0.70	65	COROMANT	
4.20	5.67	3xD	0.1654	12.60	462.2-0420-013A1-XM X2BM	6	66	26	13.80	0.76	65	COROMANT	
4.25	5.74	3xD	0.1673	12.75	462.2-0425-013A1-XM X2BM	6	66	26	13.97	0.77	65	COROMANT	
4.30	5.81	3xD	0.1693	12.90	462.2-0430-014A1-XM X2BM	6	66	26	14.13	0.78	65	COROMANT	
4.50	6.00	3xD	0.1772	13.50	462.2-0450-014A1-XM X2BM	8	66	28	14.76	0.82	65	COROMANT	
4.65	6.28	3xD	0.1831	13.95	462.2-0465-015A1-XM X2BM	8	79	28	15.28	0.85	78	COROMANT	
4.80	6.48	3xD	0.1890	14.40	462.2-0480-015A1-XM X2BM	8	79	30	15.77	0.87	78	COROMANT	
5.00	6.75	3xD	0.1969	15.00	462.2-0500-016A1-XM X2BM	8	79	30	16.43	0.91	78	COROMANT	
5.10	6.89	3xD	0.2008	15.30	462.2-0510-016A1-XM X2BM	8	79	32	16.76	0.93	78	COROMANT	
5.25	7.09	3xD	0.2067	15.75	462.2-0525-017A1-XM X2BM	8	79	32	17.25	0.96	78	COROMANT	
5.30	7.16	3xD	0.2087	15.90	462.2-0530-017A1-XM X2BM	8	79	32	17.42	0.96	78	COROMANT	
5.50	7.43	3xD	0.2165	16.50	462.2-0550-018A1-XM X2BM	8	79	34	18.07	1.00	78	COROMANT	
5.55	7.49	3xD	0.2185	16.65	462.2-0555-018A1-XM X2BM	8	79	34	18.23	1.01	78	COROMANT	
5.56	7.51	3xD	0.2189	16.68	462.2-0556-018A1-XM X2BM	8	79	34	18.27	1.01	78	COROMANT	
5.65	7.63	3xD	0.2224	16.95	462.2-0565-018A1-XM X2BM	8	79	34	18.57	1.03	78	COROMANT	
5.75	7.76	3xD	0.2264	17.25	462.2-0575-018A1-XM X2BM	8	79	34	18.89	1.05	78	COROMANT	
5.95	8.00	3xD	0.2343	17.85	462.2-0595-019A1-XM X2BM	8	79	36	19.54	1.08	78	COROMANT	
6.00	8.00	3xD	0.2362	18.00	462.2-0600-019A1-XM X2BM	10	79	36	19.67	1.09	78	COROMANT	
6.20	8.37	3xD	0.2441	18.60	462.2-0620-020A1-XM X2BM	10	89	38	20.37	1.13	88	COROMANT	
6.25	8.44	3xD	0.2461	18.75	462.2-0625-020A1-XM X2BM	10	89	38	20.54	1.14	88	COROMANT	
6.55	8.84	3xD	0.2579	19.65	462.2-0655-021A1-XM X2BM	10	89	40	21.52	1.19	88	COROMANT	
6.60	8.91	3xD	0.2598	19.80	462.2-0660-021A1-XM X2BM	10	89	40	21.69	1.20	88	COROMANT	
6.65	8.98	3xD	0.2618	19.95	462.2-0665-021A1-XM X2BM	10	89	40	21.85	1.21	88	COROMANT	
6.75	9.11	3xD	0.2657	20.25	462.2-0675-022A1-XM X2BM	10	89	40	22.18	1.23	88	COROMANT	
6.80	9.18	3xD	0.2677	20.40	462.2-0680-022A1-XM X2BM	10	89	40	22.34	1.24	88	COROMANT	
6.85	9.25	3xD	0.2697	20.55	462.2-0685-022A1-XM X2BM	10	89	40	22.51	1.25	88	COROMANT	
6.90	9.32	3xD	0.2717	20.70	462.2-0690-022A1-XM X2BM	10	89	40	22.67	1.26	88	COROMANT	
7.00	9.45	3xD	0.2756	21.00	462.2-0700-022A1-XM X2BM	10	89	42	23.00	1.27	88	COROMANT	
7.25	9.79	3xD	0.2854	21.75	462.2-0725-023A1-XM X2BM	10	89	42	23.82	1.32	88	COROMANT	
7.30	9.86	3xD	0.2874	21.90	462.2-0730-023A1-XM X2BM	10	89	42	23.99	1.33	88	COROMANT	
7.40	9.99	3xD	0.2913	22.20	462.2-0740-024A1-XM X2BM	10	89	42	24.31	1.35	88	COROMANT	
7.45	10.00	3xD	0.2933	22.35	462.2-0745-024A1-XM X2BM	10	89	42	24.46	1.36	88	COROMANT	
7.55	10.00	3xD	0.2972	22.65	462.2-0755-024A1-XM X2BM	12	89	42	24.73	1.37	88	COROMANT	
7.65	10.00	3xD	0.3012	22.95	462.2-0765-025A1-XM X2BM	12	89	42	25.00	1.39	88	COROMANT	
7.75	10.00	3xD	0.3051	23.25	462.2-0775-025A1-XM X2BM	12	89	42	25.28	1.41	88	COROMANT	
8.00	10.80	3xD	0.3150	24.00	462.2-0800-026A1-XM X2BM	12	102	44	26.29	1.46	101	COROMANT	
8.25	11.14	3xD	0.3248	24.75	462.2-0825-027A1-XM X2BM	12	102	46	27.11	1.50	101	COROMANT	
8.40	11.34	3xD	0.3307	25.20	462.2-0840-027A1-XM X2BM	12	102	46	27.60	1.53	101	COROMANT	
8.50	11.48	3xD	0.3346	25.50	462.2-0850-027A1-XM X2BM	12	102	48	27.93	1.55	101	COROMANT	
8.55	11.54	3xD	0.3366	25.65	462.2-0855-028A1-XM X2BM	12	102	48	28.09	1.56	101	COROMANT	
8.60	11.61	3xD	0.3386	25.80	462.2-0860-028A1-XM X2BM	12	102	48	28.26	1.57	101	COROMANT	
8.65	11.68	3xD	0.3406	25.95	462.2-0865-028A1-XM X2BM	12	102	48	28.42	1.57	101	COROMANT	
8.70	11.75	3xD	0.3425	26.10	462.2-0870-028A1-XM X2BM	12	102	48	28.59	1.58	101	COROMANT	
8.80	11.88	3xD	0.3465	26.40	462.2-0880-028A1-XM X2BM	12	102	50	28.91	1.60	101	COROMANT	
8.85	11.95	3xD	0.3484	26.55	462.2-0885-029A1-XM X2BM	12	102	50	29.08	1.61	101	COROMANT	
9.00	12.00	3xD	0.3543	27.00	462.2-0900-029A1-XM X2BM	12	107	50	29.57	1.64	106	COROMANT	
9.05	12.00	3xD	0.3563	27.15	462.2-0905-029A1-XM X2BM	14	107	50	29.65	1.65	106	COROMANT	

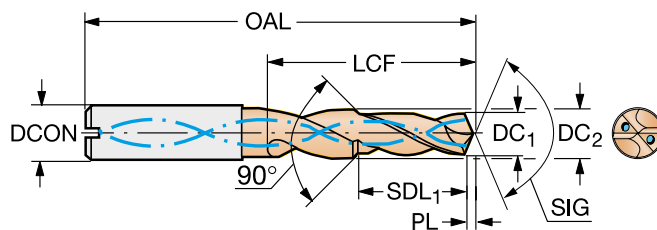
CHAMFER DRILL – CoroDrill® Dura 462-XM

TCHA: H9
SIG: 140°
STA: 90°
Grade: X2BM



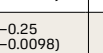
Order number					Dimensions, mm								Discount group 722
DC1 Metric	DC2 Metric	Drilling depth	DC Inch	SDL	with IC	DCON	OAL	LCF	LU	PL	LF	BSG	
9.25	12.49	3xD	0.3642	27.75	462.2-0925-030A1-XM X2BM	14	107	52	30.39	1.68	106	COROMANT	
9.30	12.56	3xD	0.3661	27.90	462.2-0930-030A1-XM X2BM	14	107	52	30.56	1.69	106	COROMANT	
9.40	12.69	3xD	0.3701	28.20	462.2-0940-030A1-XM X2BM	14	107	52	30.89	1.71	106	COROMANT	
9.50	12.83	3xD	0.3740	28.50	462.2-0950-031A1-XM X2BM	14	107	52	31.22	1.73	106	COROMANT	
9.55	12.89	3xD	0.3760	28.65	462.2-0955-031A1-XM X2BM	14	107	54	31.38	1.74	106	COROMANT	
9.65	13.03	3xD	0.3799	28.95	462.2-0965-031A1-XM X2BM	14	107	54	31.71	1.76	106	COROMANT	
9.80	13.23	3xD	0.3858	29.40	462.2-0980-032A1-XM X2BM	14	107	54	32.20	1.78	106	COROMANT	
10.00	13.50	3xD	0.3937	30.00	462.2-1000-032A1-XM X2BM	14	107	56	32.86	1.82	106	COROMANT	
10.20	13.77	3xD	0.4016	30.60	462.2-1020-033A1-XM X2BM	14	107	56	33.51	1.86	106	COROMANT	
10.25	13.84	3xD	0.4035	30.75	462.2-1025-033A1-XM X2BM	14	107	56	33.68	1.87	106	COROMANT	
10.30	13.91	3xD	0.4055	30.90	462.2-1030-033A1-XM X2BM	14	107	58	33.84	1.87	106	COROMANT	
10.40	14.00	3xD	0.4094	31.20	462.2-1040-034A1-XM X2BM	14	107	58	34.15	1.89	105	COROMANT	
10.50	14.00	3xD	0.4134	31.50	462.2-1050-034A1-XM X2BM	16	107	58	34.43	1.91	105	COROMANT	
10.55	14.00	3xD	0.4154	31.65	462.2-1055-034A1-XM X2BM	16	107	58	34.57	1.92	105	COROMANT	
10.65	14.00	3xD	0.4193	31.95	462.2-1065-034A1-XM X2BM	16	107	58	34.84	1.94	105	COROMANT	
10.75	14.00	3xD	0.4232	32.25	462.2-1075-035A1-XM X2BM	16	107	58	35.12	1.96	105	COROMANT	
10.80	14.00	3xD	0.4252	32.40	462.2-1080-035A1-XM X2BM	16	107	58	35.25	1.97	105	COROMANT	
11.00	14.85	3xD	0.4331	33.00	462.2-1100-036A1-XM X2BM	16	115	60	36.14	2.00	113	COROMANT	
11.20	15.12	3xD	0.4409	33.60	462.2-1120-036A1-XM X2BM	16	115	62	36.80	2.04	113	COROMANT	
11.30	15.26	3xD	0.4449	33.90	462.2-1130-037A1-XM X2BM	16	115	62	37.13	2.06	113	COROMANT	
11.40	15.39	3xD	0.4488	34.20	462.2-1140-037A1-XM X2BM	16	115	62	37.46	2.07	113	COROMANT	
11.50	15.53	3xD	0.4528	34.50	462.2-1150-037A1-XM X2BM	16	115	64	37.79	2.09	113	COROMANT	
11.55	15.59	3xD	0.4547	34.65	462.2-1155-037A1-XM X2BM	16	115	64	37.95	2.10	113	COROMANT	
11.80	15.93	3xD	0.4646	35.40	462.2-1180-038A1-XM X2BM	16	115	64	38.77	2.15	113	COROMANT	
12.00	16.00	3xD	0.4724	36.00	462.2-1200-039A1-XM X2BM	16	115	64	39.35	2.18	113	COROMANT	
12.10	16.00	3xD	0.4764	36.30	462.2-1210-039A1-XM X2BM	16	123	66	39.76	2.20	121	COROMANT	
12.17	16.00	3xD	0.4791	36.51	462.2-1217-039A1-XM X2BM	18	123	66	39.81	2.21	121	COROMANT	
12.20	16.47	3xD	0.4803	36.60	462.2-1220-040A1-XM X2BM	18	123	68	40.08	2.22	121	COROMANT	
12.25	16.54	3xD	0.4823	36.75	462.2-1225-040A1-XM X2BM	18	123	68	40.25	2.23	121	COROMANT	
12.50	16.88	3xD	0.4921	37.50	462.2-1250-041A1-XM X2BM	18	123	68	41.07	2.27	121	COROMANT	
12.75	17.21	3xD	0.5020	38.25	462.2-1275-041A1-XM X2BM	18	123	70	41.89	2.32	121	COROMANT	
12.90	17.42	3xD	0.5079	38.70	462.2-1290-042A1-XM X2BM	18	123	70	42.39	2.35	121	COROMANT	
13.00	17.55	3xD	0.5118	39.00	462.2-1300-042A1-XM X2BM	18	123	72	42.71	2.37	121	COROMANT	
13.10	17.69	3xD	0.5157	39.30	462.2-1310-043A1-XM X2BM	18	123	72	43.04	2.38	121	COROMANT	
13.30	17.96	3xD	0.5236	39.90	462.2-1330-043A1-XM X2BM	18	123	72	43.70	2.42	121	COROMANT	
13.40	18.00	3xD	0.5276	40.20	462.2-1340-043A1-XM X2BM	18	123	72	43.99	2.44	121	COROMANT	
13.50	18.00	3xD	0.5315	40.50	462.2-1350-044A1-XM X2BM	20	123	72	44.27	2.46	121	COROMANT	
13.55	18.00	3xD	0.5335	40.65	462.2-1355-044A1-XM X2BM	20	123	72	44.40	2.47	121	COROMANT	
13.65	18.00	3xD	0.5374	40.95	462.2-1365-044A1-XM X2BM	20	123	72	44.68	2.48	121	COROMANT	
14.00	18.90	3xD	0.5512	42.00	462.2-1400-045A1-XM X2BM	20	142	76	46.00	2.55	140	COROMANT	
14.10	19.04	3xD	0.5551	42.30	462.2-1410-046A1-XM X2BM	20	142	78	46.33	2.57	140	COROMANT	
14.20	19.17	3xD	0.5591	42.60	462.2-1420-046A1-XM X2BM	20	142	78	46.66	2.58	140	COROMANT	
14.25	19.24	3xD	0.5610	42.75	462.2-1425-046A1-XM X2BM	20	142	78	46.82	2.59	140	COROMANT	
14.30	19.31	3xD	0.5630	42.90	462.2-1430-046A1-XM X2BM	20	142	78	46.99	2.60	140	COROMANT	
14.46	19.52	3xD	0.5693	43.38	462.2-1446-047A1-XM X2BM	20	142	80	47.51	2.63	140	COROMANT	
14.50	19.58	3xD	0.5709	43.50	462.2-1450-047A1-XM X2BM	20	142	80	47.64	2.64	140	COROMANT	
14.55	19.64	3xD	0.5728	43.65	462.2-1455-047A1-XM X2BM	20	142	80	47.80	2.65	140	COROMANT	
14.80	19.98	3xD	0.5827	44.40	462.2-1480-048A1-XM X2BM	20	142	82	48.63	2.69	140	COROMANT	
15.00	20.00	3xD	0.5906	45.00	462.2-1500-049A1-XM X2BM	20	142	82	49.18	2.73	140	COROMANT	
15.10	20.00	3xD	0.5945	45.30	462.2-1510-049A1-XM X2BM	20	142	82	49.46	2.75	140	COROMANT	
15.25	20.00	3xD	0.6004	45.75	462.2-1525-049A1-XM X2BM	20	142	82	49.87	2.78	140	COROMANT	
15.30	20.00	3xD	0.6024	45.90	462.2-1530-050A1-XM X2BM	20	142	82	50.01	2.78	140	COROMANT	
15.50	20.00	3xD	0.6102	46.50	462.2-1550-050A1-XM X2BM	20	142	84	50.56	2.82	140	COROMANT	
15.55	20.00	3xD	0.6122	46.65	462.2-1555-050A1-XM X2BM	20	142	84	50.69	2.83	140	COROMANT	

TCHA: H9
 SIG: 140°
 STA: 90°
 Grade: X2BM



Order number					Dimensions, mm								Discount group 722
DC1 Metric	DC2 Metric	Drilling depth	DC Inch	SDL	with IC	DCON	OAL	LCF	LU	PL	LF	BSG	
15.60	20.00	3xD	0.6142	46.80	462.2-1560-050A1-XM X2BM	20	142	84	50.83	2.84	140	COROMANT	
15.70	20.00	3xD	0.6181	47.10	462.2-1570-051A1-XM X2BM	20	142	84	51.11	2.86	140	COROMANT	
16.00	20.00	3xD	0.6299	48.00	462.2-1600-051A1-XM X2BM	20	142	84	51.93	2.91	140	COROMANT	
16.50	20.00	3xD	0.6496	49.50	462.2-1650-053A1-XM X2BM	20	142	86	53.30	3.00	140	COROMANT	
16.51	20.00	3xD	0.6500	49.53	462.2-1651-053A1-XM X2BM	20	142	86	53.33	3.00	140	COROMANT	
17.00	20.00	3xD	0.6693	51.00	462.2-1700-054A1-XM X2BM	20	142	86	54.68	3.09	140	COROMANT	
17.46	20.00	3xD	0.6874	52.38	462.2-1746-055A1-XM X2BM	20	142	88	55.94	3.18	139	COROMANT	
17.50	20.00	3xD	0.6890	52.50	462.2-1750-056A1-XM X2BM	20	142	88	56.05	3.18	139	COROMANT	
18.00	20.00	3xD	0.7087	54.00	462.2-1800-057A1-XM X2BM	20	142	90	57.42	3.28	139	COROMANT	

Recommended cutting data, ISO P

ISO	MC Code	Material	Hardness HB	Cutting speed (v _c), m/min (feet/min)			Drill diameter, mm (inches)				
							3.00–6.00 (0.118–0.236)	6.01–10.00 (0.237–0.393)	10.01–13.00 (0.394–0.511)	13.01–16.00 (0.512–0.629)	16.01–20.00 (0.630–0.787)
				A1 (3–5xD)	A1 (8xD)	A0 (3–5xD)	Feed (f _a), mm/r (inch/rev)*				
P	Steel										
	P1.1.Z.AN	Unalloyed C=0.1–0.25%	190	125–190 (410–623)	115–190 (377–623)	96–150 (315–492)	0.16–0.24 (0.0063–0.0094)	0.16–0.26 (0.0063–0.0102)	0.21–0.30 (0.0082–0.0118)	0.25–0.40 (0.0098–0.0157)	0.35–0.45 (0.0137–0.0177)
	P1.2.Z.AN	Unalloyed C=0.25–0.55%	150	125–190 (410–623)	125–190 (410–623)	85–130 (278–426)	0.16–0.24 (0.0063–0.0094)	0.16–0.26 (0.0063–0.0102)	0.21–0.30 (0.0082–0.0118)	0.25–0.40 (0.0098–0.0157)	0.35–0.45 (0.0137–0.0177)
	P1.3.Z.AN	Unalloyed C>0.55%	240	105–160 (344–525)	105–160 (344–525)	80–130 (262–426)	0.09–0.15 (0.0035–0.0060)	0.120–0.22 (0.0047–0.0086)	0.20–0.28 (0.0078–0.0110)	0.25–0.32 (0.0098–0.0126)	0.32–0.45 (0.0125–0.0177)
	P2.1.Z.AN	Low alloy (alloy content ≤5%)	330	120–150 (393–492)	120–150 (393–492)	80–130 (262–426)	0.09–0.18 (0.0035–0.0070)	0.16–0.24 (0.0063–0.0094)	0.20–0.33 (0.0078–0.0129)	0.24–0.38 (0.0095–0.0149)	0.30–0.42 (0.0118–0.0165)
	P2.2.Z.AN	Low alloy, annealed	200	80–132 (264–433)	80–132 (265–433)	70–104 (229–341)	0.12–0.18 0.0047–0.0070	0.15–0.24 0.0059–0.0094	0.22–0.32 0.0086–0.0126	0.3–0.45 0.0118–0.0177	0.35–0.50 0.0137–0.0196
	P2.5.Z.HT	Low alloy, hardened and tempered	380	70–90 (230–295)	70–90 (230–295)	40–60 (131–197)	0.09–0.15 (0.0035–0.0059)	0.20–0.30 (0.0078–0.0118)	0.22–0.40 (0.0078–0.0157)	0.26–0.33 (0.0102–0.0129)	0.30–0.48 (0.0118–0.0188)
	P3.0.Z.AN	High alloy, annealed	330	90–140 (295–459)	90–140 (295–459)	60–95 (197–311)	0.09–0.140 (0.0035–0.055)	0.16–0.24 (0.0063–0.0094)	0.20–0.30 (0.0079–0.0118)	0.22–0.336 (0.0086–0.0132)	0.32–0.41 (0.0126–0.0161)
	P3.0.Z.HT	High alloy, hardened and tempered	380	45–75 (147–246)	45–75 (147–246)	40–60 (131–197)	0.06–0.10 (0.0023–0.0039)	0.1–0.17 (0.0039–0.0067)	0.13–0.20 (0.0051–0.0078)	0.22–0.28 (0.0086–0.0110)	0.25–0.32 (0.0098–0.0126)
	P5.0.Z.PH	Elimination hardened	330	40–60 (131–197)	40–60 (131–197)		0.10–0.18 (0.0039–0.0070)	0.16–0.25 (0.0063–0.0098)	0.15–0.30 (0.0059–0.0118)	0.15–0.30 (0.0059–0.0118)	0.25–0.4 (0.0098–0.0157)

*Note: For A0 tools under 16 0.629 mm, the feed rate must be reduced by 50%.

Recommended cutting data ISO M

ISO	MC Code	Material	Hardness HB	Cutting speed (v _c), m/min (feet/min)			Drill diameter, mm (inches)				
							3.00–6.00 (0.118–0.236)	6.01–10.00 (0.237–0.393)	10.01–13.00 (0.394–0.511)	13.01–16.00 (0.512–0.629)	16.01–20.00 (0.630–0.787)
				A1 (3–5xD)	A1 (8xD)	A0 (3–5xD)	Feed (f _a), mm/r (inch/rev)*				
M	Stainless steel										
	M1.0.Z.AQ	Austenitic	200	30–90 (98–295)	30–90 (98–295)		0.07–0.15 (0.0027–0.0059)	0.10–0.20 (0.0039–0.0078)	0.13–0.20 (0.0051–0.0078)	0.15–0.3 (0.0059–0.0118)	0.25–0.40 (0.0098–0.0157)
	M2.0.Z.AQ	Superaustenitic Ni ≥ 20%	200	30–50 (98–164)	30–50 (98–164)		0.07–0.14 (0.0027–0.0055))	0.10–0.17 (0.0039–0.0067)	0.12–0.20 (0.0047–0.0078)	0.14–0.25 (0.0055–0.0098)	0.22–0.35 (0.0086–0.0137)
	M3.2.Z.A	austenitic/ferritic (duplex)	250	40–80 (131–262)	40–80 (131–262)		0.06–0.11 (0.0023–0.0043)	0.10–0.15 (0.0039–0.0059)	0.12–0.18 (0.0047–0.0070)	0.16–0.32 (0.0063–0.0126)	0.25–0.36 (0.0098–0.0141)

Recommended cutting data ISO K

ISO	MC Code	Material	Hardness HB	Cutting speed (v _c), m/min (feet/min)			Drill diameter, mm (inches)				
							3.00–6.00 (0.118–0.236)	6.01–10.00 (0.237–0.393)	10.01–13.00 (0.394–0.511)	13.01–16.00 (0.512–0.629)	16.01–20.00 (0.630–0.787)
				A1 (3–5xD)	A1 (8xD)	A0 (3–5xD)	Feed (f _a), mm/r (inch/rev)*				
K	Malleable cast iron										
	K1.1.C.NS	Ferritic, pearlitic	200	70–110 (230–360)	70–110 (230–360)	55–85 (180–278)	0.1–0.14 (0.0039–0.0066)	0.12–0.20 (0.0047–0.0078)	0.21–0.30 (0.0082–0.0118)	0.25–0.4 (0.0098–0.0157)	0.3–0.5 (0.0118–0.0196)
	Grey cast iron										
	K2.1.C.UT	Low tensile strength	180	80–130 (262–426)	70–125 (230–410)		0.12–0.2 (0.0047–0.0078)	0.18–0.25 (0.0070–0.0098)	0.24–0.35 (0.0094–0.0137)	0.3–0.5 (0.0118–0.0196)	0.4–0.6 (0.0157–0.0236)
	K2.2.C.UT	High tensile strength	245	80–130 (263–426)	70–125 (230–410)		0.12–0.2 (0.0047–0.0051)	0.18–0.25 (0.0070–0.0098)	0.24–0.35 (0.0094–0.0137)	0.3–0.5 (0.0118–0.0196)	0.4–0.6 (0.0157–0.0236)
	Ductile cast iron										
	K3.1.C.UT	Ferritic	155	75–130 (246–426)	65–120 (213–394)	60–90 (197–295)	0.12–0.25 (0.0047–0.0098)	0.18–0.3 (0.0070–0.0118)	0.25–0.38 (0.0098–0.0149)	0.28–0.5 (0.0110–0.0197)	0.40–0.65 (0.0157–0.0255)
	K3.3.C.UT	Pearlitic	265	75–130 (246–426)	65–120 (213–394)	60–90 (197–295)	0.1–0.2 (0.0039–0.0078)	0.16–0.24 (0.0063–0.0094)	0.20–0.30 (0.0078–0.0118)	0.25–0.38 (0.0098–0.0149)	0.3–0.45 (0.0118–0.0177)
	K4.2.C.UT	CGI	230	75–130 (246–426)	65–120 (213–394)	60–90 (197–295)	0.12–0.30 (0.0047–0.0118)	0.18–0.32 (0.0070–0.0125)	0.25–0.38 (0.0098–0.0149)	0.28–0.45 (0.0110–0.0177)	0.35–0.5 (0.0137–0.0196)
	K5.1.C.NS	ADI	300	45–90 (148–295)	45–90 (148–295)	40–60 (131–197)	0.10–0.16 (0.0039–0.0063)	0.16–0.26 (0.0062–0.0102)	0.20–0.30 (0.0078–0.0118)	0.28–0.35 (0.0110–0.0137)	0.30–0.40 (0.0118–0.0157)

Recommended cutting data ISO N

ISO	MC Code	Material	Hardness HB	Cutting speed (v_c), m/min (feet/min)			Drill diameter, mm (drill diameter, mm)				
							3.00–6.00 (0.118–0.236)	6.01–10.00 (0.237–0.393)	10.01–13.00 (0.394–0.511)	13.01–16.00 (0.512–0.629)	16.01–20.00 (0.630–0.787)
				A1 (3–5xD)	A1 (8xD)	A0 (3–5xD)	Feed (f_r), mm/r (inch/rev)*				
N	Aluminium-based alloys										
	N1.2.Z.UT	AlSi alloys Si≤1% untreated	60	250–360 (820–360)	250–360 (820–360)	190–284 (623–931)	0.12–0.18 (0.0047–0.0070)	0.21–0.31 (0.0082–0.0122)	0.30–0.45 (0.0118–0.0177)	0.35–0.51 (0.0137–0.0201)	0.36–0.55 (0.0141–0.0216)
	N1.2.Z.AG	AlSi alloys Si≤1%	100	250–360 (820–1180)	250–360 (820–1180)	180–300 (590–984)	0.20–0.30 (0.0078–0.0118)	0.24–0.38 (0.0094–0.0147)	0.30–0.45 (0.0118–0.0177)	0.30–0.45 (0.0118–0.0177)	0.35–0.55 (0.0137–0.0216)
	N1.3.C.AG	AlSi alloys 1%–Si<13%	90	190–285 (623–935)	190–285 (623–935)	152–228 (499–747)	0.10–0.18 (0.0078–0.0118)	0.16–0.24 (0.0063–0.0094)	0.25–0.45 (0.0098–0.0177)	0.30–0.43 (0.0118–0.0169)	0.40–0.70 (0.0157–0.0275)
	N1.4.C.NS	AlSi casting alloys Si≥13%	130	145–220 (475–721)	145–220 (475–721)	120–170 (394–557)	0.090–0.14 (0.0035–0.0055)	0.16–0.24 (0.0063–0.0094)	0.20–0.30 (0.0078–0.0118)	0.22–0.34 (0.0086–0.0133)	0.27–0.45 (0.0106–0.0177)

Recommended cutting data ISO S

ISO	MC Code	Material	Hardness HB	Cutting speed (v_c), m/min (feet/min)			Drill diameter, mm (inches)				
							3.00–6.00 (0.118–0.236)	6.01–10.00 (0.237–0.393)	10.01–13.00 (0.394–0.511)	13.01–16.00 (0.512–0.629)	16.01–20.00 (0.630–0.787)
				A1 (3–5xD)	A1 (8xD)	A0 (3–5xD)	Feed (f_r), mm/r (inch/rev)*				
S	Titanium-based alloys										
	S4.1.Z.UT	Commercially available pure titanium (≥99.5% Ti)	200	45–70 (147–230)			0.13–0.18 (0.0051–0.0110)	0.15–0.20 (0.0059–0.0078)	0.17–0.22 (0.0066–0.0086)	0.23–0.32 (0.0090–0.0125)	0.35–0.42 (0.0137–0.0165)
	S4.2.Z.AN	Alpha and near- alpha alloys	330	38–58 (125–190)			0.10–0.15 (0.0039–0.0059)	0.11–0.18 (0.0043–0.0070)	0.11–0.22 (0.0043–0.0086)	0.16–0.28 (0.0063–0.0110)	0.3–0.38 (0.0118–0.0147)

Recommended cutting data, ISO H

ISO	MC Code	Material	Hardness HRC	Cutting speed (v_c), m/min (feet/min)			Drill diameter, mm (inches)				
							3.00–6.00 (0.118–0.236)	6.01–10.00 (0.237–0.393)	10.01–13.00 (0.394–0.511)	13.01–16.00 (0.512–0.629)	16.01–20.00 (0.630–0.787)
				A1 (3–5xD)	A1 (8xD)	A0 (3–5xD)	Feed (f_r), mm/r (inch/rev)*				
H	Extra hard steel										
	H1.1.Z.HA	Hardened and tempered	50	20–30 (65–98)			0.06–0.1 (0.0023–0.0039)	0.08–0.12 (0.0031–0.0047)	0.13–0.20 (0.0051–0.0078)	0.16–0.24 (0.0063–0.0094)	0.18–0.27 (0.0070–0.0106)
	H1.2.Z.HA	Hardened and tempered	55	18–25 (59–82)			0.06–0.1 (0.0023–0.0039)	0.08–0.12 (0.0031–0.0047)	0.13–0.20 (0.0051–0.0078)	0.16–0.24 (0.0063–0.0094)	0.18–0.27 (0.0070–0.0106)
	H2.0.C.UT	Chilled cast iron	55	22–36 (72–118)			0.06–0.1 (0.0023–0.0039)	0.08–0.12 (0.0031–0.0047)	0.13–0.20 (0.0051–0.0078)	0.16–0.24 (0.0063–0.0094)	0.18–0.27 (0.0070–0.0106)



CoroReamer™ 435-XF

The CoroReamer™ 435-XF is a versatile high-feed reamer. It allows for very close tolerances and offers a high-quality finish thanks to the internal cutting fluid supply, special nose geometry and extremely uneven pitch of the cutting edges.



Features and advantages

- High productivity and calculable tool life
- Excellent hole quality $\leq H7$
- Can be reground up to three times without any issues
- Smooth, efficient swarf evacuation thanks to optimised chip flute design
- Extremely uneven pitch for significantly improved hole roundness
- Internal cutting fluid supply for improved swarf evacuation

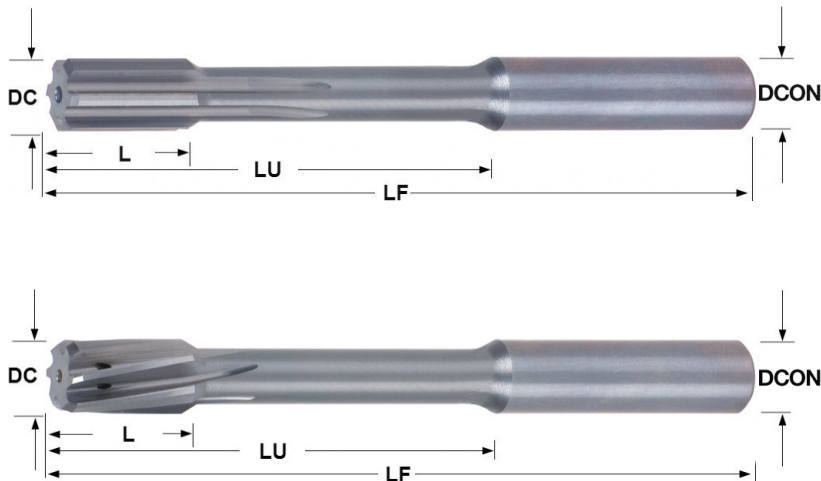


ISO application range

Product range

Chip flute design	Hole type	Internal cutting fluid supply	Geometry	Diameter range, mm	Grade	Shank version	Standard
Straight chip flute	Blind hole	Yes	435-XF	3.97-20.0	H10F	Cylindrical	Coromant
Twisted chip flute	Through-hole	Yes	435-XF	3.97-20.0	H10F	Cylindrical	Coromant

TCHA: H7
Grade: H10F



TCHA: H7
Grade: H10F



Order number			Dimensions, mm				Discount group 725	
DC	Straight chip flute for blind holes (GB)	Twisted chip flute for through-holes (DB)	DCON	L	LU	LF	H10F GB	H10F DB
4.00	435.B-0400-A1-XF	435.T-0400-A1-XF	6	12	39	74.40	•	•
4.01	435.B-0401-A1-XF		6	12	39	74.40	•	
4.50	435.B-0450-A1-XF		6	12	39	74.32	•	
5.00	435.B-0500-A1-XF	435.T-0500-A1-XF	6	12	39	74.25	•	•
5.01	435.B-0501-A1-XF		6	12	39	74.25	•	
6.00	435.B-0600-A1-XF	435.T-0600-A1-XF	6	12	39	74.10	•	•
6.01	435.B-0601-A1-XF		6	12	39	74.10	•	
6.02		435.T-0602-A1-XF	6	12	39	74.10		•
6.50		435.T-0650-A1-XF	8	16	64	99.02		•
7.00	435.B-0700-A1-XF	435.T-0700-A1-XF	8	16	64	98.95	•	•
8.00	435.B-0800-A1-XF	435.T-0800-A1-XF	8	16	64	98.80	•	•
8.01	435.B-0801-A1-XF		8	16	64	98.80	•	
9.00		435.T-0900-A1-XF	10	20	60	98.65		•
9.50		435.T-0950-A1-XF	10	20	80	118.57		•
9.98		435.T-0998-A1-XF	10	20	80	118.50		•
10.00	435.B-1000-A1-XF	435.T-1000-A1-XF	10	20	80	118.50	•	•
10.01	435.B-1001-A1-XF	435.T-1001-A1-XF	10	20	80	118.50	•	•
11.00		435.T-1100-A1-XF	12	20	75	118.35		•
12.00	435.B-1200-A1-XF	435.T-1200-A1-XF	12	20	75	118.20	•	•
12.03	435.B-1203-A1-XF		12	20	75	118.19	•	
13.00	435.B-1300-A1-XF	435.T-1300-A1-XF	14	22	85	128.05	•	•
14.00	435.B-1400-A1-XF	435.T-1400-A1-XF	14	22	85	127.90	•	•
15.00	435.B-1500-A1-XF	435.T-1500-A1-XF	16	22	82	127.75	•	•
16.00	435.B-1600-A1-XF	435.T-1600-A1-XF	16	25	102	147.60	•	•
17.00	435.B-1700-A1-XF	435.T-1700-A1-XF	18	25	102	147.45	•	•
18.00	435.B-1800-A1-XF	435.T-1800-A1-XF	18	25	102	147.30	•	•
19.00		435.T-1900-A1-XF	20	25	100	147.14		•
20.00	435.B-2000-A1-XF	435.T-2000-A1-XF	20	25	100	146.99	•	•

Cutting data for the CoroReamer™ 435

Feed

ISO	MC no.	3	5	8	10	12	16	20
fn mm/rev								
P	P1.1.Z.AN	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P1.1.Z.AN	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P1.2.Z.AN	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P1.2.Z.HT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P1.3.Z.AN	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P1.3.Z.HT	0.11	0.15	0.18	0.21	0.24	0.28	0.31
	P2.1.Z.AN	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P2.2.Z.AN	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P2.3.Z.AN	0.11	0.15	0.18	0.21	0.24	0.28	0.31
	P2.5.Z.HT.1	0.11	0.15	0.18	0.21	0.24	0.28	0.31
	P1.5.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P2.6.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P3.0.Z.AN	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P3.0.Z.HT.1	0.11	0.15	0.18	0.21	0.24	0.28	0.31
	P3.1.Z.AN	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P5.0.Z.HT.1	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	P5.0.Z.PH	0.16	0.2	0.27	0.32	0.36	0.41	0.47
M	M1.0.Z.AQ							
	M2.0.Z.AQ							
	M3.1.Z.AQ							
	M3.2.Z.AQ							
	M1.0.C.UT							
	M2.0.C.AQ							
	M3.1.C.AQ							
K	K1.1.C.NS	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	K2.1.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	K2.2.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	K2.3.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	K3.1.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	K3.2.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	K3.3.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	K3.5.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	K5.1.C.NS	0.16	0.2	0.27	0.32	0.36	0.41	0.47
N	N1.2.Z.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	N1.2.Z.AG	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	N1.3.C.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	N1.3.C.AG	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	N1.4.C.NS	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	N3.3.U.UT	0.16	0.2	0.27	0.32	0.36	0.41	0.47
	N3.1.U.UT	0.18	0.25	0.35	0.39	0.43	0.5	0.53

Tapping in many different materials

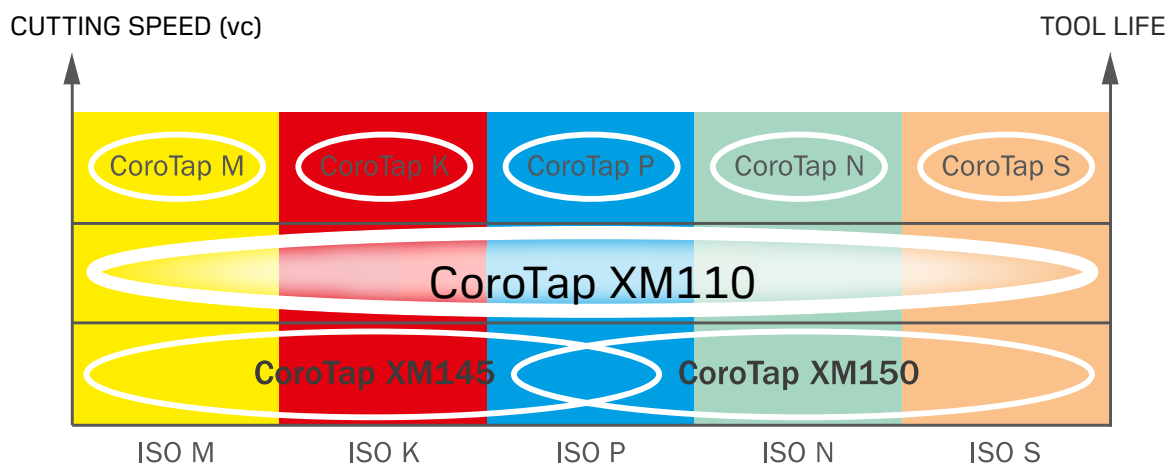
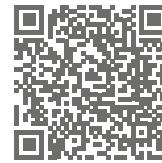
CoroTap™-XM is an obvious solution for tapping in numerous materials. Different grade options are available depending on your requirements. All options are suitable for virtually any material and guarantee exceptionally high machine capacity utilisation.

Features and advantages

- Reduces inventory and lowers costs
- Offers a long tool life
- Enables increased process reliability thanks to outstanding cutting edge geometry
- Large helix angles offer excellent swarf evacuation and machining up to $2.5 \times D$

Application range

- For through and blind holes
- Drilling depth to $2.5 \times D$
- Chamfer form E with minimal clearance in blind holes
- Tapping up to 350 HB ($\sim 1200 \text{ N/mm}^2$)
- Suitable for all industrial sectors



Grades



C150/B150
(Uncoated) for reduced
"sticking" in soft materials



C145/B145
(Steam-tempered) for
protecting and preventing
build-up on the nose



C110/B110 (AlCrN coated)
with a high level of wear
resistance and hot hardness.
Offers a long tool life and
increased cutting speeds

C grade: HSS-PM, powdered high-speed steel with vanadium alloy, offers increased stability and toughness for good wear resistance.
B grade: HSS-E, high-alloy high-speed steel with cobalt for increased wear resistance and toughness for large diameters ($> 17 \text{ mm}$)

Product range

Thread form	Range	Tolerance range	BSG	CoroTap™	Grade
M	M2-M64	6H	DIN	T200*/T300	C150/C145/C110 – B150/B145/B110**
M	M3-M20	6G	DIN	T200/T300	C150/C145/C110 – B150/B145/B110
M	M3-M10	6H	DIN 376	T200/T300	C150/C145/C110 – B150/B145/B110
MF	M4-M30	6H	DIN	T200/T300	C150/C145/C110 – B150/B145/B110
UNC	#4-1"	2B	DIN	T200/T300	C150/C145/C110 – B150/B145/B110
UNF	#8-1"	2B	DIN	T200/T300	C150/C145/C110 – B150/B145/B110
G	1/8-1 1/2	Normal	DIN	T200***/T300	C150/C145/C110 – B150/B145/B110

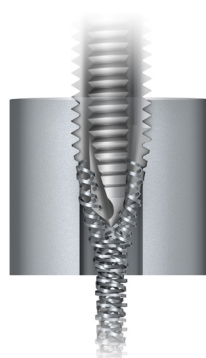
* Up to M30

** Up to M36 (T300)

*** Up to 1"

CoroTap™ 200

Tap for through-holes



Page	P. 18			P. 19			P. 23			P. 25			P. 27			P. 29		
	T200-XM100DA T200-XM101DA			T200-XM104DA T200-XM105DA			T200-XM100DB			T200-XM100DE T200-XM101DE			T200-XM100DF T200-XM101DF			T200-XM100DK		
Grade	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110
THFT (thread form)	M			M			MF			UNC			UNF			G		
	M2-M30			M3-M20			M4-M30			#4 - 1"			#8 - 1"			1/8 - 1"		
THCHT (chamfer)	B			B			B			B			B			B		
BSG (standard)	DIN 371/DIN 376			DIN 371/DIN 376			DIN 374			DIN 2184-1			DIN 2184-1			DIN 5156		
TCTR (tolerance)	6H			6G			6H			2B			2B			Normal		
ULDR (depth)	2.5			2.5			2.5			2.5			2.5			2.5		

CoroTap™ 300

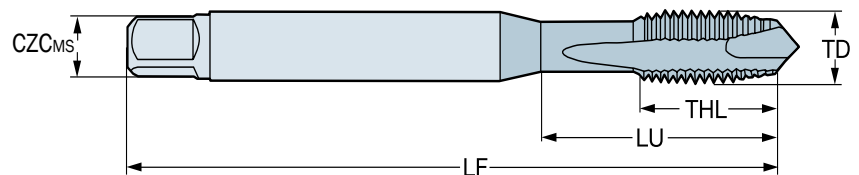
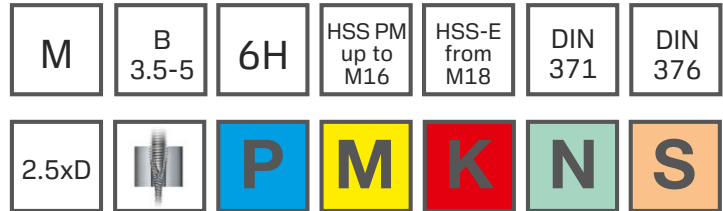
Tap for blind holes



Page	P.20			P.21			P.22			P. 24			P. 26			P. 28			P.30		
Grade	T300-XM100DA T300-XM101DA			T300-XM104DA T300-XM105DA			T300-XM102DA T300-XM103DA			T300-XM100DB			T300-XM100DE T300-XM101DE			T300-XM100DF T300-XM101DF			T300-XM100DK		
	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110	C150 B150	C145 B145	C110 B110
THFT (thread form)	M			M			M			MF			UNC			UNF			G		
	M2-M64			M3-M20			M3-M20			M4-M30			#8-1"			#8-1"			1/8 - 1 1/2"		
THCHT (chamfer)	C			C			E			C			C			C			C		
BSG (standard)	DIN 371/DIN 376			DIN 371/DIN 376			DIN 371/DIN 376			DIN 374			DIN 2184-1			DIN 2184-1			DIN 5156		
TCTR (tolerance)	6H			6G			6H			6H			2B			2B			Normal		
ULDR (depth)	2.5			2.5			2.5			2.5			2.5			2.5			2.5		

CoroTap™ 200 tap for through-holes

Thread form metric



TDZ	CZC _{MS}		TP	Order number	Dimensions, mm							Discount group 781		
	Shank	Square										(coated)	(steam-temp.)	(uncoated)
			Lead			TD	LF	LU	THL	NOF	BSG	C110	C145	C150
M 2	2.80	x 2.10	0.40	T200-XM100DA-M2		2.0	45.0	9.0	6.0	2	DIN 371	•	•	•
M 2.5	2.80	x 2.10	0.45	T200-XM100DA-M2.5		2.5	50.0	12.5	8.0	2	DIN 371	•	•	•
M 3	3.50	x 2.70	0.50	T200-XM100DA-M3		3.0	56.0	18.0	8.9	3	DIN 371	•	•	•
M 3.5	4.00	x 3.00	0.60	T200-XM100DA-M3.5		3.5	56.0	20.0	10.8	3	DIN 371	•	•	•
M 4	4.50	x 3.40	0.70	T200-XM100DA-M4		4.0	63.0	21.0	11.7	3	DIN 371	•	•	•
M 4.5	6.00	x 4.90	0.75	T200-XM100DA-M4.5		4.5	70.0	25.0	13.0	3	DIN 371	•	•	•
M 5	6.00	x 4.90	0.80	T200-XM100DA-M5		5.0	70.0	25.0	12.6	3	DIN 371	•	•	•
M 6	6.00	x 4.90	1.00	T200-XM100DA-M6		6.0	80.0	30.0	14.5	3	DIN 371	•	•	•
M 7	7.00	x 5.50	1.00	T200-XM100DA-M7		7.0	80.0	30.0	14.5	3	DIN 371	•	•	•
M 8	8.00	x 6.20	1.25	T200-XM100DA-M8		8.0	90.0	35.0	17.4	3	DIN 371	•	•	•
M 10	10.00	x 8.00	1.50	T200-XM100DA-M10		10.0	100.0	39.0	19.2	3	DIN 371	•	•	•
M 12	9.00	x 7.00	1.75	T200-XM101DA-M12		12.0	110.0	83.0	23.0	3	DIN 376	•	•	•
M 14	11.00	x 9.00	2.00	T200-XM101DA-M14		14.0	110.0	81.0	25.0	3	DIN 376	•	•	•
M 16	12.00	x 9.00	2.00	T200-XM101DA-M16		16.0	110.0	68.0	25.0	3	DIN 376	•	•	•
												B110	B145	B150
M 18	14.00	x 11.00	2.50	T200-XM101DA-M18		18.0	125.0	81.0	30.0	4	DIN 376	•	•	•
M 20	16.00	x 12.00	2.50	T200-XM101DA-M20		20.0	140.0	95.0	30.0	4	DIN 376	•	•	•
M 22	18.00	x 14.50	2.50	T200-XM101DA-M22		22.0	140.0	93.0	34.0	4	DIN 376	•	•	•
M 24	18.00	x 14.50	3.00	T200-XM101DA-M24		24.0	160.0	113.0	38.0	4	DIN 376	•	•	•
M 27	20.00	x 16.00	3.00	T200-XM101DA-M27		27.0	160.0	97.0	38.0	4	DIN 376	•	•	•
M 30	22.00	x 18.00	3.50	T200-XM101DA-M30		30.0	180.0	115.0	45.0	4	DIN 376	•	•	•
												C110	C145	C150
M 3	2.20	x 1.80	0.50	T200-XM101DA-M3		3.0	56.0	37.0	10.0	3	DIN 376	•	•	•
M 4	2.80	x 2.10	0.70	T200-XM101DA-M4		4.0	63.0	43.0	11.9	3	DIN 376	•	•	•
M 5	3.50	x 2.70	0.80	T200-XM101DA-M5		5.0	70.0	49.0	13.2	3	DIN 376	•	•	•
M 6	4.50	x 3.40	1.00	T200-XM101DA-M6		6.0	80.0	59.0	15.1	3	DIN 376	•	•	•
M 8	6.00	x 4.90	1.25	T200-XM101DA-M8		8.0	90.0	67.0	18.0	3	DIN 376	•	•	•
M 10	7.00	x 5.50	1.50	T200-XM101DA-M10		10.0	100.0	77.0	20.0	3	DIN 376	•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 200 tap for through-holes

Thread form metric, 6G tolerance



TDZ	CZC _{MS}		TP	Order number	Dimensions, mm							Discount group 781		
	Shank	Square										(coated)	(steam-temp.)	(uncoated)
			Lead			TD	LF	LU	THL	NOF	BSG	C110	C145	C150
M 3	3.50	x 2.70	0.50	T200-XM104DA-M3		3.0	56.0	18.0	8.9	3	DIN 371	•	•	•
M 4	4.50	x 3.40	0.70	T200-XM104DA-M4		4.0	63.0	21.0	12.0	3	DIN 371	•	•	•
M 5	6.00	x 4.90	0.80	T200-XM104DA-M5		5.0	70.0	25.0	13.0	3	DIN 371	•	•	•
M 6	6.00	x 4.90	1.00	T200-XM104DA-M6		6.0	80.0	30.0	15.0	3	DIN 371	•	•	•
M 8	8.00	x 6.20	1.25	T200-XM104DA-M8		8.0	90.0	35.0	18.0	3	DIN 371	•	•	•
M 10	10.00	x 8.00	1.50	T200-XM104DA-M10		10.0	100.0	39.0	20.0	3	DIN 371	•	•	•
M 12	9.00	x 7.00	1.75	T200-XM105DA-M12		12.0	110.0	83.0	23.0	3	DIN 376	•	•	•
M 16	12.00	x 9.00	2.00	T200-XM105DA-M16		16.0	110.0	68.0	25.0	3	DIN 376	•	•	•
												B110	B145	B150
M 20	16.00	x 12.00	2.50	T200-XM105DA-M20		20.0	140.0	95.0	30.0	4	DIN 376	•	•	

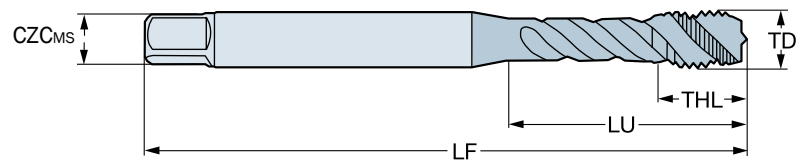
C grade: HSS-PM
B grade: HSS-E

CoroTap™ 300 tap for blind holes

Thread form metric



M	C 2 - 3.5	6H	HSS PM up to M16	HSS-E from M18	DIN 371	DIN 376
2.5xD		P	M	K	N	S

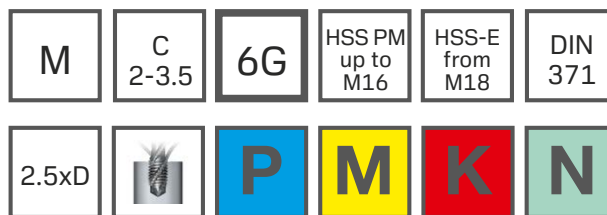


TDZ	CZC _{MS}		TP	Order number	Dimensions, mm						Discount group 781		
											(coated)	(steam-temp.)	(uncoated)
	Shank	Square	Lead		TD	LF	LU	THL	NOF	BSG	C110	C145	C150
M 2	2.80	x 2.10	0.40	T300-XM100DA-M2	2.0	45.0	9.0	4.0	3	DIN 371	•	•	•
M 2.5	2.80	x 2.10	0.45	T300-XM100DA-M2.5	2.5	50.0	12.5	4.0	3	DIN 371	•	•	•
M 3	3.50	x 2.70	0.50	T300-XM100DA-M3	3.0	56.0	18.0	5.9	3	DIN 371	•	•	•
M 3.5	4.00	x 3.00	0.60	T300-XM100DA-M3.5	3.5	56.0	20.0	6.3	3	DIN 371	•	•	•
M 4	4.50	x 3.40	0.70	T300-XM100DA-M4	4.0	63.0	21.0	6.7	3	DIN 371	•	•	•
M 5	6.00	x 4.90	0.80	T300-XM100DA-M5	5.0	70.0	21.0	7.7	3	DIN 371	•	•	•
M 6	6.00	x 4.90	1.00	T300-XM100DA-M6	6.0	80.0	31.0	10.0	3	DIN 371	•	•	•
M 7	7.00	x 5.50	1.00	T300-XM100DA-M7	7.0	80.0	31.0	10.0	3	DIN 371	•	•	•
M 8	8.00	x 6.20	1.25	T300-XM100DA-M8	8.0	90.0	35.0	11.6	3	DIN 371	•	•	•
M 10	10.00	x 8.00	1.50	T300-XM100DA-M10	10.0	100.0	39.0	15.1	3	DIN 371	•	•	•
M 12	9.00	x 7.00	1.75	T300-XM101DA-M12	12.0	110.0	83.0	16.0	3	DIN 376	•	•	•
M 14	11.00	x 9.00	2.00	T300-XM101DA-M14	14.0	110.0	81.0	20.0	3	DIN 376	•	•	•
M 16	12.00	x 9.00	2.00	T300-XM101DA-M16	16.0	110.0	68.0	20.0	4	DIN 376	•	•	•
											B110	B145	B150
M 18	14.00	x 11.00	2.50	T300-XM101DA-M18	18.0	125.0	81.0	25.0	4	DIN 376	•	•	•
M 20	16.00	x 12.00	2.50	T300-XM101DA-M20	20.0	140.0	95.0	25.0	4	DIN 376	•	•	•
M 22	18.00	x 14.50	2.50	T300-XM101DA-M22	22.0	140.0	93.0	25.0	4	DIN 376	•	•	•
M 24	18.00	x 14.50	3.00	T300-XM101DA-M24	24.0	160.0	113.0	30.0	4	DIN 376	•	•	•
M 27	20.00	x 16.00	3.00	T300-XM101DA-M27	27.0	160.0	97.0	30.0	4	DIN 376	•	•	•
M 30	22.00	x 18.00	3.50	T300-XM101DA-M30	30.0	180.0	115.0	36.0	4	DIN 376	•	•	•
M 33	25.00	x 20.00	3.50	T300-XM101DA-M33	33.0	180.0	113.0	36.0	4	DIN 376	•	•	•
M 36	28.00	x 22.00	4.00	T300-XM101DA-M36	36.0	200.0	131.0	40.0	4	DIN 376	•	•	•
M 39	32.00	x 24.00	4.00	T300-XM101DA-M39	39.0	200.0	102.0	40.0	4	DIN 376		•	
M 42	32.00	x 24.00	4.50	T300-XM101DA-M42	42.0	200.0	102.0	45.0	4	DIN 376		•	•
M 48	36.00	x 29.00	5.00	T300-XM101DA-M48	48.0	250.0	147.0	50.0	4	DIN 376		•	
											C110	C145	C150
M 6	4.50	x 3.40	1.00	T300-XM101DA-M6	6.0	80.0	59.0	10.0	3	DIN 376	•	•	•
M 8	6.00	x 4.90	1.25	T300-XM101DA-M8	8.0	90.0	67.0	12.0	3	DIN 376	•	•	•
M 10	7.00	x 5.50	1.50	T300-XM101DA-M10	10.0	100.0	77.0	15.0	3	DIN 376	•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 300 tap for blind holes

Thread form metric, 6G tolerance



TDZ	CZC _{MS}			TP	Order number	Dimensions, mm						Discount group 781		
												(coated)	(steam-temp.)	(uncoated)
	Shank	Square		Lead		TD	LF	LU	THL	NOF	BSG	C110	C145	C150
M 3	3.50	x 2.70		0.50	T300-XM104DA-M3	3.0	56.0	18.0	5.9	3	DIN 371	•	•	•
M 4	4.50	x 3.40		0.70	T300-XM104DA-M4	4.0	63.0	21.0	6.7	3	DIN 371	•	•	•
M 5	6.00	x 4.90		0.80	T300-XM104DA-M5	5.0	70.0	25.0	7.7	3	DIN 371	•	•	•
M 6	6.00	x 4.90		1.00	T300-XM104DA-M6	6.0	80.0	31.0	10.0	3	DIN 371	•	•	•
M 8	8.00	x 6.20		1.25	T300-XM104DA-M8	8.0	90.0	35.0	12.0	3	DIN 371	•	•	•
M 10	10.00	x 8.00		1.50	T300-XM104DA-M10	10.0	100.0	39.0	15.1	3	DIN 371	•	•	•
M 12	9.00	x 7.00		1.75	T300-XM105DA-M12	12.0	110.0	83.0	16.0	3	DIN 376	•	•	•
M 14	11.00	x 9.00		2.00	T300-XM105DA-M14	14.0	110.0	81.0	20.0	3	DIN 376	•	•	•
M 16	12.00	x 9.00		2.00	T300-XM105DA-M16	16.0	110.0	68.0	20.0	4	DIN 376	•	•	
												B110	B145	B150
M 20	16.00	x 12.00		2.50	T300-XM105DA-M20	20.0	140.0	95.0	25.0	4	DIN 376	•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 300 tap for blind holes

Thread form metric, chamfer form E

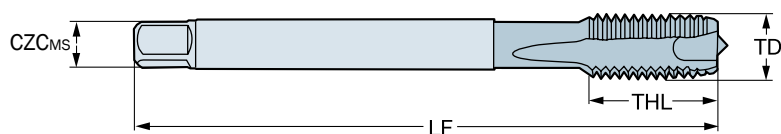


TDZ	CZC _{MS}		TP	Order number	Dimensions, mm						Discount group 781		
	Shank	Square									(coated)	(steam-temp.)	(uncoated)
			Lead		TD	LF	LU	THL	NOF	BSG	C110	C145	C150
M 3	3.50	x 2.70	0.50	T300-XM102DA-M3	3.0	56.0	18.0	5.9	3	DIN 371	•	•	•
M 4	4.50	x 3.40	0.70	T300-XM102DA-M4	4.0	63.0	21.0	6.7	3	DIN 371	•	•	•
M 5	6.00	x 4.90	0.80	T300-XM102DA-M5	5.0	70.0	21.0	7.7	3	DIN 371	•	•	•
M 6	6.00	x 4.90	1.00	T300-XM102DA-M6	6.0	80.0	31.0	10.0	3	DIN 371	•	•	•
M 8	8.00	x 6.20	1.25	T300-XM102DA-M8	8.0	90.0	35.0	11.6	3	DIN 371	•	•	•
M 10	10.00	x 8.00	1.50	T300-XM102DA-M10	10.0	100.0	39.0	15.1	3	DIN 371	•	•	•
M 12	9.00	x 7.00	1.75	T300-XM103DA-M12	12.0	110.0	83.0	16.0	3	DIN 376	•	•	•
M 14	11.00	x 9.00	2.00	T300-XM103DA-M14	14.0	110.0	81.0	20.0	3	DIN 376	•	•	•
M 16	12.00	x 9.00	2.00	T300-XM103DA-M16	16.0	110.0	68.0	20.0	4	DIN 376	•	•	•
											B110	B145	B150
M 20	16.00	x 12.00	2.50	T300-XM103DA-M20	20.0	95.0	140.0	25.0	4	DIN 376	•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 200 tap for through-holes

Thread form metric fine

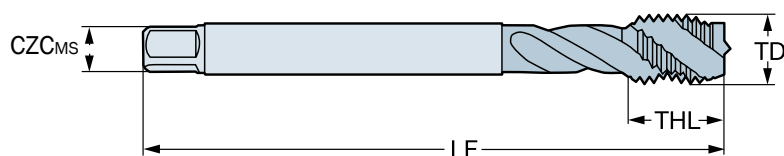


TDZ	CZC _{MS}		Order number	Dimensions, mm						Discount group 781		
										(coated)	(steam-temp.)	(uncoated)
	Shank	Square		TD	LF	LU	THL	NOF	BSG	C110	C145	C150
MF 4x0.5	2.80	x 2.10	T200-XM100DB-M4X050	4.0	63.0	43.0	11.9	3	DIN 374	•	•	•
MF 5x0.5	3.50	x 2.70	T200-XM100DB-M5X050	5.0	70.0	49.0	13.2	3	DIN 374	•	•	•
MF 6x0.75	4.50	x 3.40	T200-XM100DB-M6X075	6.0	80.0	59.0	15.1	3	DIN 374	•	•	•
MF 8x0.75	6.00	x 4.90	T200-XM100DB-M8X075	8.0	80.0	57.0	14.9	3	DIN 374	•	•	•
MF 8x1	6.00	x 4.90	T200-XM100DB-M8X100	8.0	90.0	67.0	18.0	3	DIN 374	•	•	•
MF 10x0.75	7.00	x 5.50	T200-XM100DB-M10X075	10.0	90.0	67.0	17.6	3	DIN 374	•	•	•
MF 10x1	7.00	x 5.50	T200-XM100DB-M10X100	10.0	90.0	67.0	17.6	3	DIN 374	•	•	•
MF 10x1.25	7.00	x 5.50	T200-XM100DB-M10X125	10.0	100.0	77.0	19.8	3	DIN 374	•	•	•
MF 12x1	9.00	x 7.00	T200-XM100DB-M12X100	12.0	100.0	73.0	21.0	3	DIN 374	•	•	•
MF 12x1.25	9.00	x 7.00	T200-XM100DB-M12X125	12.0	100.0	73.0	21.0	3	DIN 374	•	•	•
MF 12x1.5	9.00	x 7.00	T200-XM100DB-M12X150	12.0	100.0	73.0	21.0	3	DIN 374	•	•	•
MF 14x1	11.00	x 9.00	T200-XM100DB-M14X100	14.0	100.0	71.0	21.0	3	DIN 374	•	•	•
MF 14x1.25	11.00	x 9.00	T200-XM100DB-M14X125	14.0	100.0	71.0	21.0	3	DIN 374	•	•	•
MF 14x1.5	11.00	x 9.00	T200-XM100DB-M14X150	14.0	100.0	71.0	21.0	3	DIN 374	•	•	•
MF 16x1	12.00	x 9.00	T200-XM100DB-M16X100	16.0	100.0	58.0	21.0	3	DIN 374	•	•	•
MF 16x1.5	12.00	x 9.00	T200-XM100DB-M16X150	16.0	100.0	58.0	21.0	3	DIN 374	•	•	•
										B110	B145	B150
MF 18x1	14.00	x 11.00	T200-XM100DB-M18X100	18.0	110.0	66.0	24.0	4	DIN 374	•	•	•
MF 18x1.5	14.00	x 11.00	T200-XM100DB-M18X150	18.0	110.0	66.0	24.0	4	DIN 374	•	•	•
MF 20x1	16.00	x 12.00	T200-XM100DB-M20X100	20.0	125.0	80.0	24.0	4	DIN 374	•	•	•
MF 20x1.5	16.00	x 12.00	T200-XM100DB-M20X150	20.0	125.0	80.0	24.0	4	DIN 374	•	•	•
MF 22x1.5	18.00	x 14.50	T200-XM100DB-M22X150	22.0	125.0	78.0	25.0	4	DIN 374	•	•	•
MF 24x1.5	18.00	x 14.50	T200-XM100DB-M24X150	24.0	140.0	93.0	28.0	4	DIN 374	•	•	•
MF 24x2	18.00	x 14.50	T200-XM100DB-M24X200	24.0	140.0	93.0	28.0	4	DIN 374	•	•	•
MF 25x1.5	18.00	x 14.50	T200-XM100DB-M25X150	25.0	140.0	93.0	28.0	4	DIN 374	•	•	•
MF 26x1.5	18.00	x 14.50	T200-XM100DB-M26X150	26.0	140.0	93.0	28.0	4	DIN 374	•	•	•
MF 27x2	20.00	x 16.00	T200-XM100DB-M27X200	27.0	140.0	77.0	28.0	4	DIN 374	•	•	•
MF 30x1.5	22.00	x 18.00	T200-XM100DB-M30X150	30.0	150.0	85.0	28.0	4	DIN 374	•	•	•
MF 30x2	22.00	x 18.00	T200-XM100DB-M30X200	30.0	150.0	85.0	28.0	4	DIN 374	•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 300 tap for blind holes

Thread form metric fine

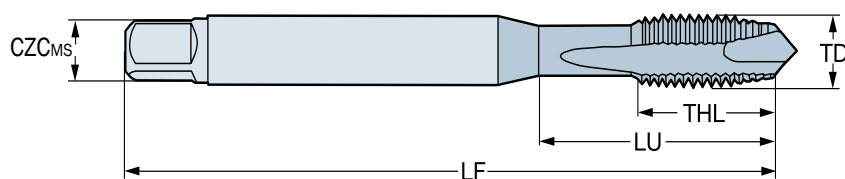
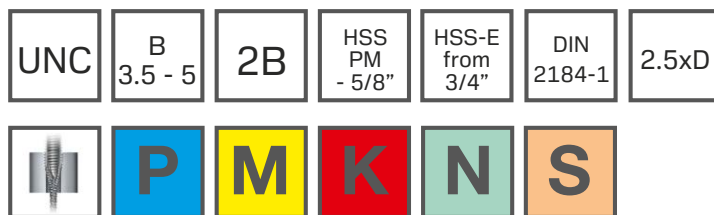


TDZ	CZC _{MS}		Order number	Dimensions, mm						Discount group 781		
	Shank	Square		TD	LF	LU	THL	NOF	BSG	(coated) C110	(steam-temp.) C145	(uncoated) C150
MF 4x0.5	2.80	x 2.10	T300-XM100DB-M4X050	4.0	63.0	43.0	6.8	3	DIN 374	•	•	•
MF 5x0.5	3.50	x 2.70	T300-XM100DB-M5X050	5.0	70.0	49.0	8.2	3	DIN 374	•	•	•
MF 6x0.75	4.50	x 3.40	T300-XM100DB-M6X075	6.0	80.0	59.0	10.0	3	DIN 374	•	•	•
MF 8x0.75	6.00	x 4.90	T300-XM100DB-M8X075	8.0	80.0	57.0	13.0	3	DIN 374	•	•	•
MF 8x1	6.00	x 4.90	T300-XM100DB-M8X100	8.0	90.0	67.0	13.0	3	DIN 374	•	•	•
MF 10x0.75	7.00	x 5.50	T300-XM100DB-M10X075	10.0	90.0	67.0	13.0	3	DIN 374	•	•	•
MF 10x1	7.00	x 5.50	T300-XM100DB-M10X100	10.0	90.0	67.0	13.0	3	DIN 374	•	•	•
MF 10x1.25	7.00	x 5.50	T300-XM100DB-M10X125	10.0	100.0	77.0	15.0	3	DIN 374	•	•	•
MF 12x1	9.00	x 7.00	T300-XM100DB-M12X100	12.0	100.0	73.0	15.0	3	DIN 374	•	•	•
MF 12x1.25	9.00	x 7.00	T300-XM100DB-M12X125	12.0	100.0	73.0	15.0	3	DIN 374	•	•	•
MF 12x1.5	9.00	x 7.00	T300-XM100DB-M12X150	12.0	100.0	73.0	15.0	3	DIN 374	•	•	•
MF 14x1	11.00	x 9.00	T300-XM100DB-M14X100	14.0	100.0	71.0	15.0	3	DIN 374	•	•	•
MF 14x1.25	11.00	x 9.00	T300-XM100DB-M14X125	14.0	100.0	71.0	15.0	3	DIN 374	•	•	•
MF 14x1.5	11.00	x 9.00	T300-XM100DB-M14X150	14.0	100.0	71.0	15.0	3	DIN 374	•	•	•
MF 16x1	12.00	x 9.00	T300-XM100DB-M16X100	16.0	100.0	58.0	15.0	4	DIN 374	•	•	•
MF 16x1.5	12.00	x 9.00	T300-XM100DB-M16X150	16.0	100.0	58.0	15.0	4	DIN 374	•	•	•
										B110	B145	B150
MF 18x1	14.00	x 11.00	T300-XM100DB-M18X100	18.0	110.0	66.0	17.0	4	DIN 374	•	•	•
MF 18x1.5	14.00	x 11.00	T300-XM100DB-M18X150	18.0	110.0	66.0	17.0	4	DIN 374	•	•	•
MF 20x1	16.00	x 12.00	T300-XM100DB-M20X100	20.0	125.0	80.0	17.0	4	DIN 374	•	•	•
MF 20x1.5	16.00	x 12.00	T300-XM100DB-M20X150	20.0	125.0	80.0	17.0	4	DIN 374	•	•	•
MF 22x1.5	18.00	x 14.50	T300-XM100DB-M22X150	22.0	125.0	78.0	17.0	4	DIN 374	•	•	•
MF 24x1.5	18.00	x 14.50	T300-XM100DB-M24X150	24.0	140.0	93.0	20.0	4	DIN 374	•	•	•
MF 24x2	18.00	x 14.50	T300-XM100DB-M24X200	24.0	140.0	93.0	20.0	4	DIN 374	•	•	•
MF 25x1.5	18.00	x 14.50	T300-XM100DB-M25X150	25.0	140.0	93.0	20.0	4	DIN 374	•	•	•
MF 26x1.5	18.00	x 14.50	T300-XM100DB-M26X150	26.0	140.0	93.0	20.0	4	DIN 374	•	•	•
MF 27x1.5	20.00	x 16.00	T300-XM100DB-M27X150	27.0	140.0	77.0	20.0	4	DIN 374	•	•	•
MF 27x2	20.00	x 16.00	T300-XM100DB-M27X200	27.0	140.0	77.0	20.0	4	DIN 374	•	•	•
MF 30x1.5	22.00	x 18.00	T300-XM100DB-M30X150	30.0	150.0	85.0	20.0	4	DIN 374	•	•	•
MF 30x2	22.00	x 18.00	T300-XM100DB-M30X200	30.0	150.0	85.0	20.0	4	DIN 374	•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 200 tap for through-holes

Thread form UNC

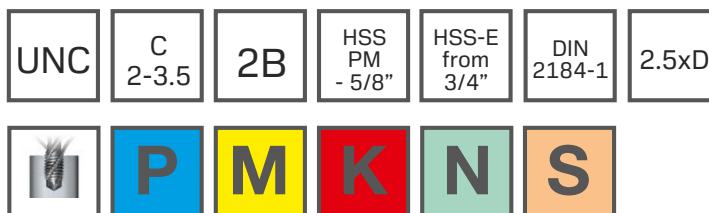


TDZ	CZC _{MS}		Order number	Dimensions, mm						Discount group 781		
	Shank	Square		TD	LF	LU	THL	NOF	BSG	(coated) C110	(steam-temp.) C145	(uncoated) C150
UNC #4-40	3.50	x 2.70	T200-XM100DE-4-40	2.8	56.0	18.0	8.5	3	DIN 2184-1	•	•	•
UNC #5-40	3.50	x 2.70	T200-XM100DE-5-40	3.1	56.0	18.0	9.5	3	DIN 2184-1	•	•	•
UNC #6-32	4.00	x 3.00	T200-XM100DE-6-32	3.5	56.0	20.0	10.4	3	DIN 2184-1	•	•	•
UNC #8-32	4.50	x 3.40	T200-XM100DE-8-32	4.1	63.0	21.0	11.4	3	DIN 2184-1	•	•	•
UNC #10-24	6.00	x 4.90	T200-XM100DE-10-24	4.8	70.0	25.0	13.0	3	DIN 2184-1	•	•	•
UNC #12-24	6.00	x 4.90	T200-XM100DE-12-24	5.4	80.0	30.0	15.0	3	DIN 2184-1	•	•	•
UNC 1/4-20	7.00	x 5.50	T200-XM100DE-1/4	6.3	80.0	30.0	14.1	3	DIN 2184-1	•	•	•
UNC 5/16-18	8.00	x 6.20	T200-XM100DE-5/16	7.9	90.0	35.0	17.4	3	DIN 2184-1	•	•	•
UNC 3/8-16	10.00	x 8.00	T200-XM100DE-3/8	9.5	100.0	39.0	18.9	3	DIN 2184-1	•	•	•
UNC 7/16-14	8.00	x 6.20	T200-XM101DE-7/16	11.1	100.0	76.0	20.0	3	DIN 2184-1	•	•	•
UNC 1/2-13	9.00	x 7.00	T200-XM101DE-1/2	12.7	110.0	83.0	23.0	3	DIN 2184-1	•	•	•
UNC 5/8-11	12.00	x 9.00	T200-XM101DE-5/8	15.8	110.0	68.0	25.0	3	DIN 2184-1	•	•	•
										B110	B145	B150
UNC 3/4-10	14.00	x 11.00	T200-XM101DE-3/4	19.0	125.0	81.0	30.0	4	DIN 2184-1	•	•	•
UNC 7/8-9	18.00	x 14.50	T200-XM101DE-7/8	22.2	140.0	93.0	34.0	4	DIN 2184-1	•	•	•
UNC 1"-8	18.00	x 14.50	T200-XM101DE-1	25.4	160.0	113.0	38.0	4	DIN 2184-1	•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 300 tap for blind holes

Thread form UNC

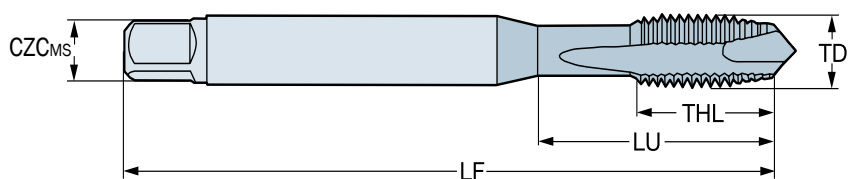
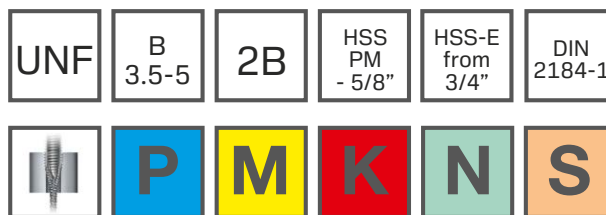


TDZ	CZC _{MS}		Order number	Dimensions, mm						Discount group 781		
	Shank	Square		TD	LF	LU	THL	NOF	BSG	(coated) C110	(steam-temp.) C145	(uncoated) C150
UNC #4-40	3.50	x 2.70	T300-XM100DE-4-40	2.8	56.0	18.0	5.6	3	DIN 2184-1	•	•	•
UNC #5-40	3.50	x 2.70	T300-XM100DE-5-40	3.1	56.0	18.0	5.6	3	DIN 2184-1	•	•	•
UNC #6-32	4.00	x 3.00	T300-XM100DE-6-32	3.5	56.0	20.0	6.5	3	DIN 2184-1	•	•	•
UNC #8-32	4.50	x 3.40	T300-XM100DE-8-32	4.1	63.0	21.0	6.5	3	DIN 2184-1	•	•	•
UNC #10-24	6.00	x 4.90	T300-XM100DE-10-24	4.8	70.0	25.0	8.0	3	DIN 2184-1	•	•	•
UNC #12-24	6.00	x 4.90	T300-XM100DE-12-24	5.4	80.0	30.0	10.0	3	DIN 2184-1	•	•	•
UNC 1/4-20	7.00	x 5.50	T300-XM100DE-1/4	6.3	80.0	30.0	10.0	3	DIN 2184-1	•	•	•
UNC 5/16-18	8.00	x 6.20	T300-XM100DE-5/16	7.9	90.0	35.0	12.0	3	DIN 2184-1	•	•	•
UNC 3/8-16	10.00	x 8.00	T300-XM100DE-3/8	9.5	100.0	39.0	15.0	3	DIN 2184-1	•	•	•
UNC 7/16-14	8.00	x 6.20	T300-XM101DE-7/16	11.1	100.0	75.7	15.0	3	DIN 2184-1	•	•	•
UNC 1/2-13	9.00	x 7.00	T300-XM101DE-1/2	12.7	110.0	82.7	18.0	3	DIN 2184-1	•	•	•
UNC 5/8-11	12.00	x 9.00	T300-XM101DE-5/8	15.8	110.0	67.7	20.0	4	DIN 2184-1	•	•	•
										B110	B145	B150
UNC 3/4-10	14.00	x 11.00	T300-XM101DE-3/4	19.0	125.0	80.7	25.0	4	DIN 2184-1	•	•	•
UNC 7/8-9	18.00	x 14.50	T300-XM101DE-7/8	22.2	140.0	92.7	25.0	4	DIN 2184-1	•	•	•
UNC 1"-8	18.00	x 14.50	T300-XM101DE-1	25.4	160.0	112.7	30.0	4	DIN 2184-1	•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 200 tap for through-holes

Thread form UNF

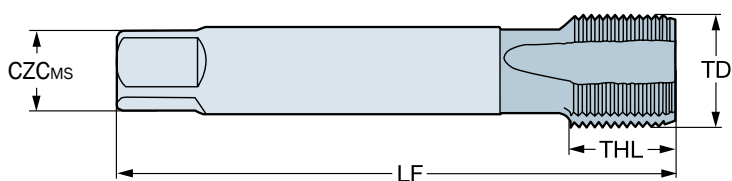
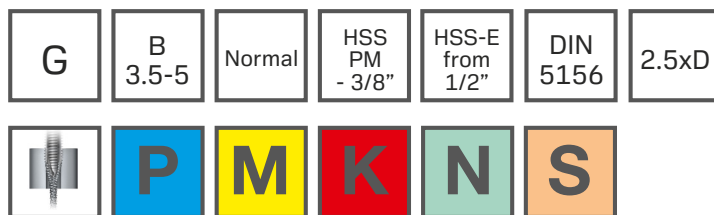


TDZ	CZC _{MS}		Order number	Dimensions, mm						Discount group 781		
	Shank	Square		TD	LF	LU	THL	NOF	BSG	(coated) C110	(steam-temp.) C145	(uncoated) C150
UNF #8-36	4.50	x 3.40	T200-XM100DF-8-36	4.1	63.0	21.0	11.4	3	DIN 2184-1	•	•	
UNF #10-32	6.00	x 4.90	T200-XM100DF-10-32	4.8	70.0	25.0	12.2	3	DIN 2184-1	•	•	•
UNF 1/4-28	7.00	x 5.50	T200-XM100DF-1/4	6.3	80.0	30.0	14.1	3	DIN 2184-1	•	•	•
UNF 5/16-24	8.00	x 6.20	T200-XM100DF-5/16	7.9	90.0	35.0	17.4	3	DIN 2184-1	•	•	
UNF 3/8-24	10.00	x 8.00	T200-XM100DF-3/8	9.5	100.0	39.0	18.9	3	DIN 2184-1	•	•	
UNF 7/16-20	8.00	x 6.20	T200-XM101DF-7/16	11.1	100.0	76.0	20.0	3	DIN 2184-1	•	•	•
UNF 1/2-20	9.00	x 7.00	T200-XM101DF-1/2	12.7	110.0	83.0	23.0	3	DIN 2184-1	•	•	•
UNF 5/8-18	12.00	x 9.00	T200-XM101DF-5/8	15.8	110.0	68.0	25.0	3	DIN 2184-1	•	•	•
										B110	B145	B150
UNF 3/4-16	14.00	x 11.00	T200-XM101DF-3/4	19.0	125.0	81.0	30.0	4	DIN 2184-1	•	•	•
UNF 7/8-14	18.00	x 14.50	T200-XM101DF-7/8	22.2	140.0	93.0	34.0	4	DIN 2184-1	•	•	
UNF 1"-12	18.00	x 14.50	T200-XM101DF-1	25.4	160.0	113.0	38.0	4	DIN 2184-1	•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 200 tap for through-holes

Thread form G

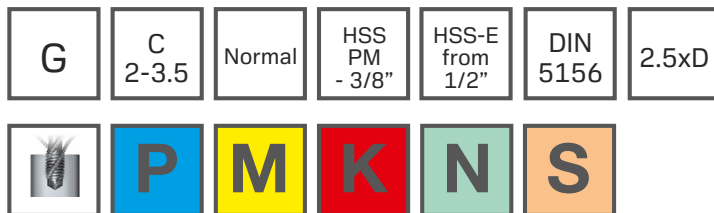


TDZ	CZC _{MS}		Order number	Dimensions, mm							Discount group 781		
	Shank	Square		TD	LF	LU	THL	NOF	BSG		(coated) C110	(steam-temp.) C145	(uncoated) C150
G 1/8-28	7.00	x 5.50	T200-XM100DK-1/8	9.7	90.0	67.0	18.0	3	DIN 5156		•	•	•
G 1/4-19	11.00	x 9.00	T200-XM100DK-1/4	13.1	100.0	71.0	21.0	3	DIN 5156		•	•	•
G 3/8-19	12.00	x 9.00	T200-XM100DK-3/8	16.6	100.0	58.0	21.0	4	DIN 5156		•	•	•
											B110	B145	B150
G 1/2-14	16.00	x 12.00	T200-XM100DK-1/2	20.9	125.0	80.0	24.0	4	DIN 5156		•	•	•
G 5/8-14	18.00	x 14.50	T200-XM100DK-5/8	22.9	125.0	78.0	24.0	4	DIN 5156				•
G 3/4-14	20.00	x 16.00	T200-XM100DK-3/4	26.4	140.0	77.0	28.0	4	DIN 5156		•	•	•
G 1"-11	25.00	x 20.00	T200-XM100DK-1	33.2	160.0	93.0	30.0	4	DIN 5156		•	•	•

C grade: HSS-PM
B grade: HSS-E

CoroTap™ 300 tap for blind holes

Thread form G



TDZ	CZC _{MS}		Order number	Dimensions, mm							Discount group 781		
	Shank	Square		TD	LF	LU	THL	NOF	BSG		(coated) C110	(steam-temp.) C145	(uncoated) C150
G 1/8-28	7.00	x 5.50	T300-XM100DK-1/8	9.7	90.0	67.0	13.0	3	DIN 5156		•	•	•
G 1/4-19	11.00	x 9.00	T300-XM100DK-1/4	13.1	100.0	71.0	15.0	3	DIN 5156		•	•	•
G 3/8-19	12.00	x 9.00	T300-XM100DK-3/8	16.6	100.0	58.0	15.0	4	DIN 5156		•	•	•
											B110	B145	B150
G 1/2-14	16.00	x 12.00	T300-XM100DK-1/2	20.9	125.0	80.0	18.0	4	DIN 5156		•	•	•
G 5/8-14	18.00	x 14.50	T300-XM100DK-5/8	22.9	125.0	78.0	18.0	4	DIN 5156			•	
G 3/4-14	20.00	x 16.00	T300-XM100DK-3/4	26.4	140.0	77.0	20.0	4	DIN 5156		•	•	•
G 1"-11	25.00	x 20.00	T300-XM100DK-1	33.2	160.0	93.0	22.0	4	DIN 5156		•	•	•
G 1.1/4-11	32.00	x 24.00	T300-XM100DK-1.1/4	41.9	170.0	72.0	22.0	4	DIN 5156			•	
G 1.1/2-11	36.00	x 29.00	T300-XM100DK-1.1/2	47.8	190.0	87.0	23.0	4	DIN 5156			•	

C grade: HSS-PM
B grade: HSS-E

Cutting data for the CoroTap™ 200/300

Cutting speed

ISO	MC no.	Material	Hard- ness Brinell HB	Grade B/C110			Grade B/C145			Grade B/C150		
				1.5xD	2xD	2.5xD	1.5xD	2xD	2.5xD	1.5xD	2xD	2.5xD
				v _C (m/min)			v _C (m/min)			v _C (m/min)		
P		Non-alloy carbon steel										
	P1.1.Z.AN	S235JR G2; C15; 17MnV7; St37	125	43	35	30	31	25	21	31	25	21
	P1.1.Z.HT	See heat-treated above	190	41	34	29	27	22	19	27	22	19
	P1.2.Z.AN	S355J2G3; C45; 40Mn6; St52	190	39	32	27	22	18	15	22	18	15
	P1.2.Z.HT	See heat-treated above	210	31	26	22	20	16	14	20	16	14
	P1.3.Z.AN	S340 MGC; C60; C105W1	190	39	32	27	22	18	15	22	18	15
	P1.3.Z.HT	See heat-treated above	300	21	17	15	12	10	9	12	10	9
		Low-alloy steel										
	P2.1.Z.AN	17CrNiMo6; 16MnCr5	175	39	32	27	22	18	15	22	18	15
	P2.2.Z.AN	31CrMo12; 34CrNiMo6; 51CrV4; 42CrMo4	240	31	26	22	20	16	14	20	16	14
	P2.3.Z.AN	100Cr6; 105WCr6	260	21	17	15	12	10	9	12	10	9
	P2.5.Z.HT.1	34CrNiMo6 V; 51CrV4 V; 41CrAlMo7 V	285	21	17	15	12	10	9	12	10	9
		High-alloy steel										
	P3.0.Z.AN	X210Cr12; X100CrMoV5 1; X155CrMoV12-1	200	31	26	22	20	16	14	20	16	14
	P3.0.Z.HT.1	See hardened above	380	10	8	7	6	5	4	6	5	4
	P3.1.Z.AN	S6-5-2; HS 6-5-2-5; HS 2-9-2	250	31	26	22	20	16	14	20	16	14
M		Cast steel										
	P1.5.C.UT	GC16E (1.1142)	150	39	32	27	22	18	15	22	18	15
	P2.6.C.UT	22Mo4; 25CrMo4	200	31	26	22	20	16	14	20	16	14
		Ferritic/martensitic stainless steel										
	P5.0.Z.HT.1	X6Cr17; X6CrMo17-1; X20CrMoV12-1	330	32	26	22	20	16	14	20	16	14
	P5.0.Z.PH	X85CrMoV18-2; X19CrNi17-2; X4 CrNiMo16-5	330	12	10	9	5	4	3			
		Austenitic stainless steel										
	M1.0.Z.AQ	1.4301; 1.4404	200	10	8	7	7	6	5			
	M1.0.C.UT	1.4848; X2CrNiMo17-12-2; X2CrNiMoN17-11-2	230	10	8	7	7	6	5			
		Super austenitic stainless steel										
K	M2.0.Z.AQ	X1NiCrMoCu25-20-5; X8CrNi25-21; X12NiCrSi36 16	200	10	8	7	7	6	5			
	M2.0.C.AQ	654 SMO	260	10	8	7	7	6	5			
		Stainless (austenitic/ferritic) duplex steels										
	M3.1.Z.AQ	X2CrNiN23-4; X8CrNiMo27-5; 1.4362	200	6	5	4	5	4	3			
	M3.2.Z.AQ	X2CrNiMoN22-53; X2CrNiN23-4	200	6	5	4	5	4	3			
	M3.1.C.AQ	X2CrNiN23-4; X8CrNiMo27-5	230	6	5	4	5	4	3			
		Malleable cast iron										
N	K1.1.C.NS	EN-GJMB350-10; EN-GJMB550-4; EN-GJMB700-2	200	24	20	17	18	15	13	18	15	13
		Grey cast iron										
	K2.1.C.UT	EN-GJL-150; EN-GJL-200; EN-GJL-250 (GG25)	180	23	19	16	18	15	13	18	15	13
	K2.2.C.UT	EN-GJL-300; EN-GJL-350	245	16	13	11	10	8	7	10	8	7
	K2.3.C.UT	GGL-NiCr20-2	175	24	20	17	18	15	13	18	15	13
		Ductile cast iron										
	K3.1.C.UT	EN-GJS-400-15; N-GJS-800-7; EN-GJS-400-18-LT (GGG40)	155	24	20	17	18	15	13	18	15	13
	K3.2.C.UT	EN-GJS-600-3 (GGG50)	215	24	20	17	18	15	13	18	15	13
	K3.3.C.UT	EN-GJS-700-2	265	24	20	17	18	15	13	18	15	13
	K3.5.C.UT	EN-GJSA-XNiCr20-2	190	24	20	17	18	15	13	18	15	13
	K5.1.C.NS	EN-GJS-800-8; EN-GJS-1000-5	300	16	13	11	10	8	7	10	8	7
S		Aluminium alloys										
	N1.2.Z.UT	EN AW-7075	60	49	40	34				43	35	30
	N1.2.Z.AG	AlMgSi1	100	49	40	34				43	35	30
	N1.3.C.UT	G-AlMg5	75	49	40	34				43	35	30
	N1.3.C.AG	GD-AlSi8Cu3	90	31	25	21				24	20	17
	N1.4.C.NS	AlSi21CuNiMg	130	21	18	15				18	15	13
		Copper-based alloys										
	N3.3.U.UT	CuZn39Pb3	110	46	38	32				37	30	26
S	N3.1.U.UT	Brass, copper	100	18	15	13				15	12	10
		Iron-based super alloys										
	S1.0.U.AN	TMG 1.7.3	200	9	8	6				6	5	4
		Nickel-based super alloys										
	S2.0.Z.UT	TMG 2.1; PMG 4.3	275	9	8	6				6	5	4
	S2.0.Z.AN	Inconel, Hastelloy, Rene 41	250	9	8	6				6	5	4
S	S2.1.Z.AN	TMG 1.1.2; PMG 5.1	125	23	19	16				15	12	10
		Titanium-based alloy										
S	S4.1.Z.UT	TiAl6V4	200	21	18	15				18	15	13

= only valid for CoroTap™ 200

CoroTap™ 400-XM

Applications

- Can be used for both through holes and blind holes
- Available in many thread shapes and standards
- Depths up to $3.5 \times D$



Features and advantages

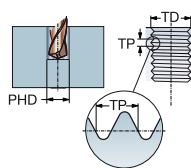
- Chamfer C (2–3 threads) and chamfer E (1.5–2 threads). Chamfer E especially for blind holes with little clearance
- HSS-E thread former for greater wear resistance
- Threading tools that form the thread rather than cutting it
- A chip-free solution
- Not suitable for all materials, since a certain degree of ductility is required. Recommended maximum tensile strength is 1200 N/mm^2
- For both through holes and blind holes
- Available with and without lubricating grooves and internal cooling



ISO application range

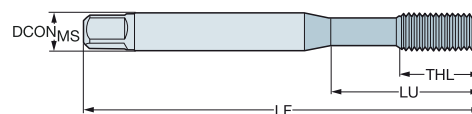
CoroTap™ 400 thread former

Thread form: Metric
DIN 2174



ULDR
SUBSTRATE
COATING

3.0
HSS-E
PVD TIN



TDZ

CZC_{MS}

Order number

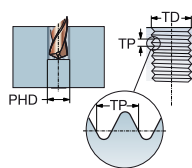
Dimensions, mm

Discount group 781

	Shank	Square				TD	LF	LU	THL	NOF	BSG
M 1 *	2.50	x 2.10	T400-XM100DA-M1	B125	1.00	40.0	20.00	5.5	3	DIN 2174	
M 1.2 *	2.50	x 2.10	T400-XM100DA-M1.2	B125	1.20	40.0	20.00	5.5	3	DIN 2174	
M 1.4 *	2.50	x 2.10	T400-XM100DA-M1.4	B125	1.40	40.0	20.00	7.0	3	DIN 2174	
M 1.6	2.50	x 2.10	T400-XM100DA-M1.6	B125	1.60	40.0	20.00	8.0	3	DIN 2174	
M 1.7	2.50	x 2.10	T400-XM100DA-M1.7	B125	1.70	40.0	20.00	8.0	3	DIN 2174	
M 1.8	2.50	x 2.10	T400-XM100DA-M1.8	B125	1.80	40.0	20.00	8.0	3	DIN 2174	
M 2	2.80	x 2.10	T400-XM100DA-M2	B125	2.00	45.0	11.00	6.0	3	DIN 2174	
M 2.2	2.80	x 2.10	T400-XM100DA-M2.2	B125	2.20	45.0	12.00	7.0	3	DIN 2174	
M 2.3	2.80	x 2.10	T400-XM100DA-M2.3	B125	2.30	45.0	12.00	7.0	3	DIN 2174	
M 2.5	2.80	x 2.10	T400-XM100DA-M2.5	B125	2.50	50.0	14.00	8.0	3	DIN 2174	
M 2.6	2.80	x 2.10	T400-XM100DA-M2.6	B125	2.60	50.0	14.00	8.0	3	DIN 2174	
M 3	3.50	x 2.70	T400-XM100DA-M3	B125	3.00	56.0	18.00	9.0	4	DIN 2174	
M 3.5	4.00	x 3.00	T400-XM100DA-M3.5	B125	3.50	56.0	20.00	11.0	4	DIN 2174	
M 4	4.50	x 3.40	T400-XM100DA-M4	B125	4.00	63.0	21.00	12.0	5	DIN 2174	
M 5	6.00	x 4.90	T400-XM100DA-M5	B125	5.00	70.0	25.00	13.0	5	DIN 2174	
M 6	6.00	x 4.90	T400-XM100DA-M6	B125	6.00	80.0	30.00	15.0	5	DIN 2174	
M 8	8.00	x 6.20	T400-XM100DA-M8	B125	8.00	90.0	35.00	18.0	5	DIN 2174	
M 10	10.00	x 8.00	T400-XM100DA-M10	B125	10.00	100.0	39.00	20.0	5	DIN 2174	
M 12	9.00	x 7.00	T400-XM101DA-M12	B125	12.00	110.0	83.00	23.0	5	DIN 2174	
M 16	12.00	x 9.00	T400-XM101DA-M16	B125	16.00	110.0	68.00	25.0	6	DIN 2174	
M 20	16.00	x 12.00	T400-XM101DA-M20	B125	20.00	140.0	70.00	30.0	7	DIN 2174	
M 24	18.00	x 14.50	T400-XM101DA-M24	B125	24.00	160.0	80.00	36.0	8	DIN 2174	

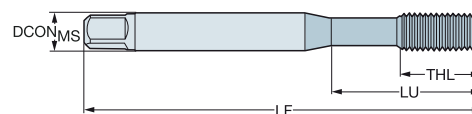
CoroTap™ 400 thread former

Thread form: Metric
DIN 2174

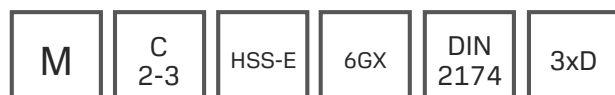


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COATING

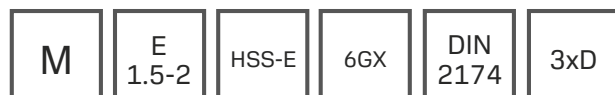
3.0
HSS-E
PVD TIN



TDZ	CZC _{MS}		Order number		Dimensions, mm						Discount group 781
	Shank	Square			TD	LF	LU	THL	NOF	BSG	
M 3	3.50	x 2.70	T400-XM102DA-M3	B125	3.00	56.0	18.00	9.0	4	DIN 2174	
M 4	4.50	x 3.40	T400-XM102DA-M4	B125	4.00	63.0	21.00	12.0	5	DIN 2174	
M 5	6.00	x 4.90	T400-XM102DA-M5	B125	5.00	70.0	25.00	13.0	5	DIN 2174	
M 6	6.00	x 4.90	T400-XM102DA-M6	B125	6.00	80.0	30.00	15.0	5	DIN 2174	
M 8	8.00	x 6.20	T400-XM102DA-M8	B125	8.00	90.0	35.00	18.0	5	DIN 2174	
M 10	10.00	x 8.00	T400-XM102DA-M10	B125	10.00	100.0	39.00	20.0	5	DIN 2174	



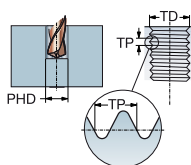
M 3	3.50	x 2.70	T400-XM112DA-M3	B125	3.00	56.0	18.00	9.0	4	DIN 2174	
M 3.5	4.00	x 3.00	T400-XM112DA-M3.5	B125	3.50	56.0	20.00	11.0	4	DIN 2174	
M 4	4.50	x 3.40	T400-XM112DA-M4	B125	4.00	63.0	21.00	12.0	5	DIN 2174	
M 5	6.00	x 4.90	T400-XM112DA-M5	B125	5.00	70.0	25.00	13.0	5	DIN 2174	
M 6	6.00	x 4.90	T400-XM112DA-M6	B125	6.00	80.0	30.00	15.0	5	DIN 2174	
M 8	8.00	x 6.20	T400-XM112DA-M8	B125	8.00	90.0	35.00	18.0	5	DIN 2174	
M 10	10.00	x 8.00	T400-XM112DA-M10	B125	10.00	100.0	39.00	20.0	5	DIN 2174	
M 12	9.00	x 7.00	T400-XM113DA-M12	B125	12.00	110.0	83.00	23.0	5	DIN 2174	



M 3	3.50	x 2.70	T400-XM116DA-M3	B125	3.00	56.0	18.00	9.0	4	DIN 2174	
M 4	4.50	x 3.40	T400-XM116DA-M4	B125	4.00	63.0	21.00	12.0	5	DIN 2174	
M 5	6.00	x 4.90	T400-XM116DA-M5	B125	5.00	70.0	25.00	13.0	5	DIN 2174	
M 6	6.00	x 4.90	T400-XM116DA-M6	B125	6.00	80.0	30.00	15.0	5	DIN 2174	
M 8	8.00	x 6.20	T400-XM116DA-M8	B125	8.00	90.0	35.00	18.0	5	DIN 2174	
M 10	10.00	x 8.00	T400-XM116DA-M10	B125	10.00	100.0	39.00	20.0	6	DIN 2174	

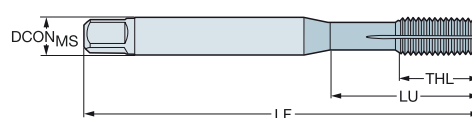
CoroTap™ 400 thread former

Thread form: Metric
DIN 2174



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COATING

3.5
HSS-E
PVD TIN



TDZ

CZC_{MS}

Order number

Dimensions, mm

Discount group 781

	Shank	Square			TD	LF	LU	THL	NOF	BSG
M 3	3.50	x	2.70	T400-XM150DA-M3	B125	3.00	56.0	18.00	4	DIN 2174
M 4	4.50	x	3.40	T400-XM150DA-M4	B125	4.00	63.0	21.00	5	DIN 2174
M 5	6.00	x	4.90	T400-XM150DA-M5	B125	5.00	70.0	25.00	5	DIN 2174
M 6	6.00	x	4.90	T400-XM150DA-M6	B125	6.00	80.0	30.00	5	DIN 2174
M 7	7.00	x	5.50	T400-XM150DA-M7	B125	7.00	80.0	30.00	5	DIN 2174
M 8	8.00	x	6.20	T400-XM150DA-M8	B125	8.00	90.0	35.00	5	DIN 2174
M 10	10.00	x	8.00	T400-XM150DA-M10	B125	10.00	100.0	39.00	5	DIN 2174
M 12	9.00	x	7.00	T400-XM151DA-M12	B125	12.00	110.0	83.00	5	DIN 2174
M 14	11.00	x	9.00	T400-XM151DA-M14	B125	14.00	110.0	81.00	6	DIN 2174
M 16	12.00	x	9.00	T400-XM151DA-M16	B125	16.00	110.0	68.00	6	DIN 2174
M 20	16.00	x	12.00	T400-XM151DA-M20	B125	20.00	140.0	95.00	7	DIN 2174
M 24	18.00	x	14.50	T400-XM151DA-M24	B125	24.00	160.0	113.00	8	DIN 2174

CoroTap™ 400 thread former

Thread form: Metric
DIN 2174



M

C
2-3

IC

HSS-E

6HX

DIN
2174

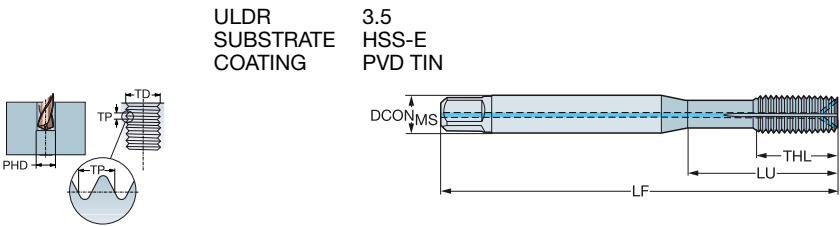
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P

M

N

S

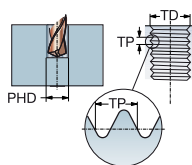


TDZ		CZC _{MS}		Order number		Dimensions, mm					Discount group 781	
Shank		Square				TD	LF	LU	THL	NOF	BSG	
M 5	6.00	x	4.90	T400-XM154DA-M5	B125	5.00	21.00	70.0	13.0	5	DIN 2174	
M 6	6.00	x	4.90	T400-XM154DA-M6	B125	6.00	26.00	80.0	15.0	5	DIN 2174	
M 8	8.00	x	6.20	T400-XM154DA-M8	B125	8.00	30.00	90.0	18.0	5	DIN 2174	
M 10	10.00	x	8.00	T400-XM154DA-M10	B125	10.00	33.00	100.0	20.0	5	DIN 2174	
M 12	9.00	x	7.00	T400-XM155DA-M12	B125	12.00	83.00	110.0	23.0	5	DIN 2174	

CXSC 2 = radial cooling lubricant discharge

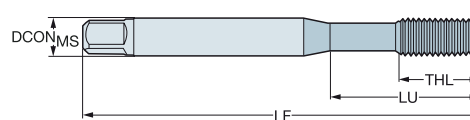
CoroTap™ 400 thread former

Thread form: Metric fine
DIN 2174



ULDR
SUBSTRATE
COATING

3.0
HSS-E
PVD TIN



TDZ	CZC _{MS}		Order number		Dimensions, mm						Discount group 781	
	Shank	Square			TD	LF	LU	THL	NOF	BSG		
MF 5x0.5	6.00	x 4.90	T400-XM100DB-M5X050	B125	5.00	70.0	25.00	13.0	5	DIN 2174		
MF 6x0.75	6.00	x 4.90	T400-XM100DB-M6X075	B125	6.00	80.0	30.00	15.0	5	DIN 2174		
MF 7x0.75	7.00	x 5.50	T400-XM100DB-M7X075	B125	7.00	80.0	30.00	15.0	5	DIN 2174		
MF 8x0.75	6.00	x 4.90	T400-XM101DB-M8X075	B125	8.00	80.0	57.00	18.0	5	DIN 2174		
MF 8x1	7.00	x 5.50	T400-XM101DB-M8X100	B125	10.00	100.0	67.00	18.0	5	DIN 2174		
MF 10x1	7.00	x 5.50	T400-XM101DB-M10X100	B125	10.00	100.0	75.00	20.0	5	DIN 2174		
MF 10x1.25	7.00	x 5.50	T400-XM101DB-M10X125	B125	10.00	100.0	75.00	20.0	5	DIN 2174		
MF 12x1	9.00	x 7.00	T400-XM101DB-M12X100	B125	12.00	100.0	73.00	23.0	5	DIN 2174		
MF 12x1.25	9.00	x 7.00	T400-XM101DB-M12X125	B125	12.00	100.0	73.00	23.0	5	DIN 2174		
MF 12x1.5	9.00	x 7.00	T400-XM101DB-M12X150	B125	12.00	100.0	73.00	23.0	5	DIN 2174		
MF 14x1	11.00	x 9.00	T400-XM101DB-M14X100	B125	14.00	100.0	71.00	21.0	6	DIN 2174		
MF 14x1.25	11.00	x 9.00	T400-XM101DB-M14X125	B125	14.00	100.0	71.00	21.0	6	DIN 2174		
MF 14x1.5	11.00	x 9.00	T400-XM101DB-M14X150	B125	14.00	100.0	71.00	21.0	6	DIN 2174		
MF 16x1.5	12.00	x 9.00	T400-XM101DB-M16X150	B125	16.00	100.0	58.00	21.0	6	DIN 2174		

CoroTap 400 – universal

Recommended cutting speed

					ULDR (xTD)		1.5	2	3
ISO	MC no.	Material	N/mm2	HB	v _c m/min				
P	P1.1.Z.AN	Non-alloy carbon steel	428	125	33	27	23		
	P1.1.Z.HT		639	190	30	25	21		
	P1.2.Z.AN		639	190	27	22	19		
	P1.2.Z.HT		708	210	24	20	17		
	P1.3.Z.AN		639	190	27	22	19		
	P1.3.Z.HT		1013	300	12	10	8		
	P2.1.Z.AN	Low-alloy steel	591	175	27	22	19		
	P2.2.Z.AN		811	240	24	20	17		
	P2.3.Z.AN		867	260	12	10	8		
	P2.5.Z.HT.1		961	285	12	10	8		
	P3.0.Z.AN	High-alloy steel	674	200	24	20	17		
	P3.0.Z.HT.1		1282	380	-	-	-		
	P3.1.Z.AN		839	250	24	20	17		
	P1.5.C.UT	Cast steel	503	150	27	22	19		
	P2.6.C.UT		674	200	24	20	17		
P5.0.Z.HT.1	Ferritic/martensitic stainless steel	1114	330	27	20	17			
P5.0.Z.PH		1114	330	12	5	4			
M	M1.0.Z.AQ	Austenitic stainless steel	674	200	9	7	6		
	M1.0.C.UT		674	200	9	7	6		
	M2.0.Z.AQ	Super austenitic stainless steel	961	200	9	7	9		
	M2.0.C.AQ		674	200	9	7	6		
	M3.1.Z.AQ	Stainless (austenitic/ferritic) duplex steels	674	230	6	5	4		
	M3.1.C.AQ		778	230	6	5	4		
	M3.2.Z.AQ		867	260	6	5	4		
N	N1.2.Z.UT	Aluminium-based alloys	-	60	67	55	47		
	N1.2.Z.AG		-	100	67	55	47		
	N1.3.C.UT		-	75	67	55	47		
	N1.3.C.AG		-	90	49	40	34		
	N1.4.C.NS		-	130	31	25	21		
	N3.1.U.UT	Copper-based alloys	-	100	31	25	21		

Advantages of thread milling

- Production of different thread tolerances through radius compensation
- Low torque required
- Easy machining of long-chipping materials
- Machining of hard materials
- High level of process reliability
- Production of different threads with a single tool (with the same lead, e.g. M10x1.5, M12x1.5)

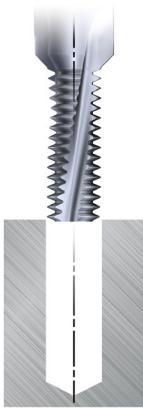
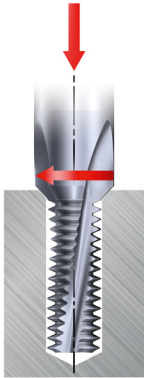
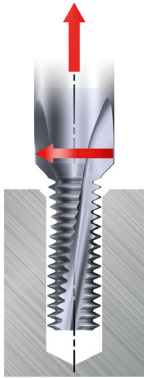
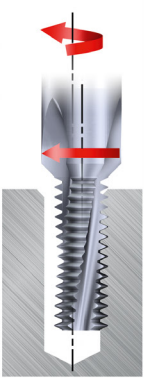
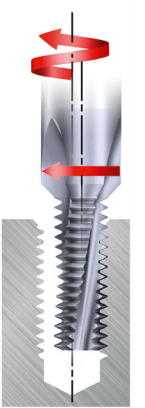
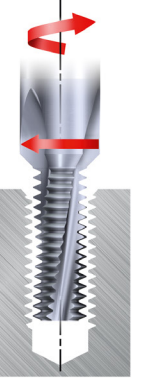
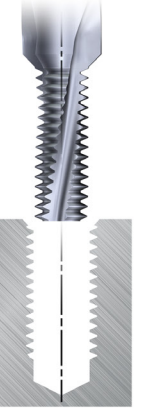
Application

- Left and right threads with a single tool
- Thread length up to 3xD
- For smaller thread diameters ≥ 3.2 mm
- Thread machining down to near the base of the hole



P M K N S H O
ISO areas of application

Thread milling

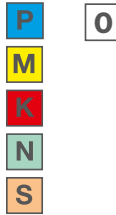
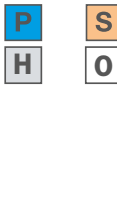
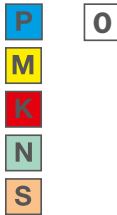
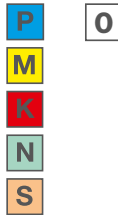
Machining process including chamfering						
						
1. Positioning	2. Chamfering	3. Thread positioning	4. 180° entering	5. Thread machining	6. 180° exit	7. Exit to start position

Machining process with multiple passes (helix machining)				
				
1. Positioning over the hole	2. Entering to the required thread depth	3. Radial plunging into the thread 180°/1/2 lead	4. Manufacturing of the thread by spiral extraction	5. Start to the initial position

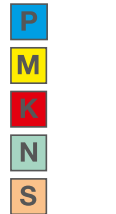
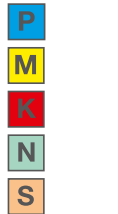
You can find NC programs and cutting values in our CoroPlus® Tool Guide.



Thread milling cutters

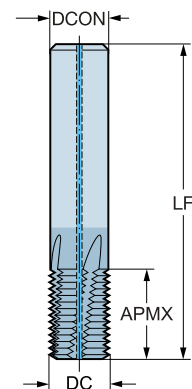
Metric/metric fine				UNC/UNF	NTP/NTPF	G
universal		ISO H		universal		
M 4–24/MF 6–18	MF 6–18/M 20–24	M 3–16	M 6–14/MF 12–14	1/4 - 3/4	1/8 - 1/2	1/8 - 1
with IC	without IC	with IC and bevel	without IC	with IC	without IC	without IC
						
R217.1xC..AC/K..N	R217.1x..AC..N	R217.1x..CC..K	R217.1x..AC..M	R217.3xC..AC..M	R217.5x..AC..N	R217.9x..BC..N
P.34	P.35	P.36	P.37	P.38	P.39	P.40
1st choice/2nd choice	1st choice/2nd choice	1st choice/2nd choice	1st choice/2nd choice	1st choice/2nd choice	1st choice/2nd choice	1st choice/2nd choice
						
2xD	2xD	2xD	2xD	2xD	2xD	2xD
1630	1630	1630	1620	1630	1630	1630

Thread milling cutter for helix machining

Metric/metric fine			UNC/UNF	
universal		ISO H+S	universal	
M 1.6–12	TP 0.5–2	M 2–6	#1 - 5/16	1/4-5/16
without IC				
				
R217.3x..AC..P	326..VM-TH	R217.1x..AC..S	R217.3x..AC..P	A326..VM-TH
P.41	P.44	P.42	P.43	P.44
1st choice/2nd choice	1st choice/2nd choice	1st choice/2nd choice	1st choice/2nd choice	1st choice/2nd choice
				
2xD/3xD	2xD	2xD	3xD	2xD
1620	1025	1610	1620	1025

CoroMill® Plura – thread milling cutter

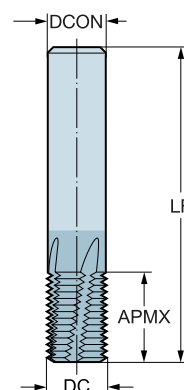
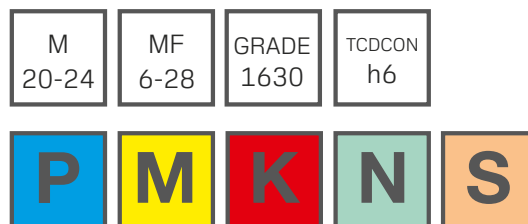
For cylindrical shank
internal thread



Thread FTDZ	Order number	Grade	DC	APMX	Dimensions, mm			Discount group 730
					IC	ZEPF	DCON	LF
M4x0.7	R217.13-032070AC08N	1630	3.20	8.40	without	3	6.00	57.00
M5x0.8	R217.13-041080AC11N	1630	4.10	11.20	without	3	6.00	57.00
M6x1.0	R217.14C045100AC13N	1630	4.50	13.00	with	4	6.00	57.00
M8x1.25	R217.14C060125AK17N	1630	6.00	17.50	with	4	6.00	65.00
M10x1.5	R217.14C075150AK21N	1630	7.50	21.00	with	4	8.00	72.00
M12x1.75	R217.14C095175AK26N	1630	9.50	26.25	with	4	10.00	80.00
M14x2.0	R217.15C100200AK30N	1630	10.00	30.00	with	5	10.00	83.00
M16x2.0	R217.15C120200AK34N	1630	12.00	34.00	with	5	12.00	92.00
M20x2.5	R217.15C160250AK42N	1630	16.00	42.50	with	5	16.00	105.00
M24x3.0	R217.15C190300AK50N	1630	19.00	50.00	with	5	20.00	125.00
MF6x0.5	R217.13C048050AC10N	1630	4.80	10.00	with	3	6.00	57.00
MF8x0.75	R217.13C060075AC12N	1630	6.00	12.00	with	3	6.00	57.00
MF10x1.0	R217.14C080100AC16N	1630	8.00	16.00	with	4	8.00	63.00
MF14x1.5	R217.14C120150AC22N	1630	12.00	22.50	with	4	12.00	83.00
MF18x1.5	R217.15C160150AC30N	1630	16.00	30.00	with	5	16.00	92.00

CoroMill® Plura – thread milling cutter

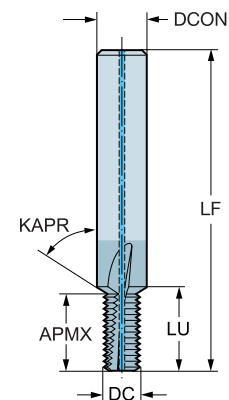
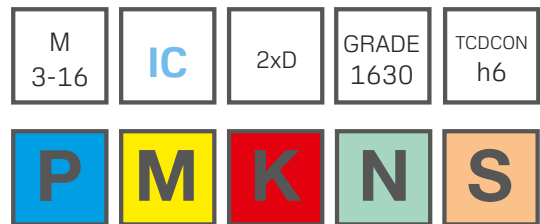
For cylindrical shank
internal thread



Thread	Order number	Dimensions, mm					Discount group 730
		DC	APMX	ZEFP	DCON	LF	
FTDZ							
MF 6x0.5	R217.13-048050AC10N 1630	4.80	10.00	3	6.00	57.00	
MF 8x0.75	R217.13-060075AC12N 1630	6.00	12.00	3	6.00	57.00	
MF 8x1.0	R217.13-060100AC12N 1630	6.00	12.00	3	6.00	57.00	
MF 10x1	R217.14-080100AC16N 1630	8.00	16.00	4	8.00	63.00	
MF 12x1	R217.14-100100AC20N 1630	10.00	20.00	4	10.00	72.00	
MF 14x1	R217.14-120100AC22N 1630	12.00	22.00	4	12.00	83.00	
MF 16x1	R217.15-140100AC26N 1630	14.00	26.00	5	14.00	83.00	
MF 12x1.5	R217.14-100150AC20N 1630	10.00	21.00	4	10.00	72.00	
MF 14x1.5	R217.14-120150AC22N 1630	12.00	22.50	4	12.00	83.00	
MF 16x1.5	R217.15-140150AC26N 1630	14.00	27.00	5	14.00	83.00	
MF 20x2	R217.15-160200AC30N 1630	16.00	30.00	5	16.00	92.00	
MF 24x2	R217.15-200200AC35N 1630	20.00	36.00	5	20.00	104.00	
MF 28x2	R217.16-250200AC46N 1630	25.00	46.00	6	25.00	121.00	
M 20x2.5	R217.15-160250AC42N 1630	16.00	42.50	5	16.00	105.00	
M 24x3	R217.15-190300AC50N 1630	19.00	50.00	5	20.00	125.00	

CoroMill® Plura – thread milling cutter with bevel

For cylindrical shank
internal thread



Thread FTDZ	Order number	Dimensions, mm							Discount group 730
		DC	APMX	LU	IC	ZEFP	DCON	LF	
M3X0.5	R217.13-023050CC06K 1630	2.30	5.00	6.00	without	3	6.00	52.00	
M4X0.70	R217.13C032070CC08K 1630	3.20	8.80	9.50	with	3	6.00	48.20	
M5X0.80	R217.13C041080CC11K 1630	4.10	10.72	11.67	with	3	6.00	46.28	
M6x1.0	R217.13C048100CC13K 1630	4.80	12.78	13.58	with	3	8.00	50.22	
M8x1.25	R217.13C065125CC17K 1630	6.50	17.35	18.24	with	3	10.00	54.65	
M10x1.5	R217.13C082150CC21K 1630	8.20	22.41	23.41	with	3	12.00	60.59	
M12x1.75	R217.14C099175CC26K 1630	9.90	26.00	27.00	with	4	14.00	57.00	
M14x2.0	R217.14C116200CC30K 1630	11.60	31.30	32.40	with	4	16.00	60.70	
M16X2.0	R217.14C136200CC34K 1630	13.60	33.30	34.40	with	4	18.00	58.70	

KAPR: 45°

CoroMill® Plura – thread milling cutter for hard machining

For cylindrical shank
internal thread



M
6-14

MF
12-14

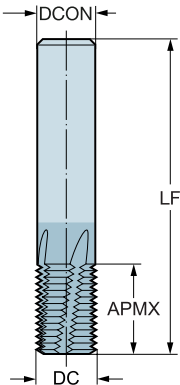
1.5xD

GRADE
1620

TCDCON
h6

P

H



Thread	Order number	Dimensions, mm					Discount group 730
		DC	APMX	ZEPF	DCON	LF	
M6x1.0	R217.14-045100AC10M 1620	4.50	10.00	4	6.00	57.00	
M8x1.25	R217.15-060125AC12M 1620	6.00	12.50	5	6.00	57.00	
M10x1.5	R217.15-080150AC16M 1620	8.00	16.50	5	8.00	63.00	
M12x1.75	R217.15-090175AC19M 1620	9.00	19.25	5	10.00	72.00	
M14x2.0	R217.15-120200AC26M 1620	12.00	26.00	5	12.00	83.00	
MF12x1	R217.15-100100AC20M 1620	10.00	20.00	5	10.00	72.00	
MF14x1.5	R217.16-120150AC27M 1620	12.00	27.00	6	12.00	83.00	

CoroMill® Plura – thread milling cutter

For cylindrical shank
internal thread



UNC
1/4- 3/4

UNF
1/4- 3/4

IC

2xD

GRADE
1630

TCDCON
h6

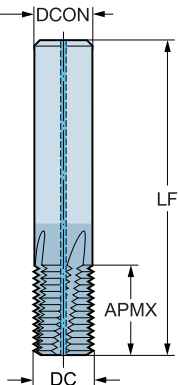
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M

K

N

S



Thread	Order number	Dimensions, inches					Discount group 730
		DC	APMX	ZEPF	DCON	LF	
1/4-20 UNC	R217.33C048200AC13N 1630	.189	.551	3	.236	2.244	
5/16-18 UNC	R217.33C055180AC14N 1630	.217	.556	3	.236	2.244	
3/8-16 UNC	R217.34C075160AC19N 1630	.295	.750	4	.315	2.480	
7/16-14 UNC	R217.34C080140AC19N 1630	.315	.785	4	.315	2.480	
1/2-13 UNC	R217.34C100130AC21N 1630	.394	.846	4	.394	2.835	
9/16-12 UNC	R217.34C100120AC21N 1630	.394	.833	4	.315	2.835	
5/8-11 UNC	R217.34C120110AC25N 1630	.472	1000	4	.472	3.268	
3/4-10 UNC	R217.35C140100AC33N 1630	.551	1300	5	.551	3.268	
1/4-28 UNF	R217.33C048280AC13N 1630	.189	.536	3	.236	2.244	
5/16-24 UNF	R217.33C060240AC13N 1630	.236	.541	3	.236	2.244	
7/16-20 UNF	R217.34C080200AC19N 1630	.315	.750	4	.315	2.480	
9/16-18 UNF	R217.34C100180AC22N 1630	.394	.889	4	.394	2.835	
3/4-16 UNF	R217.35C140160AC31N 1630	.551	1250	5	.551	3.268	

CoroMill® Plura – thread milling cutter

For Weldon
internal thread



NTP
1/8 - 1/2

NPTF
1/8 - 1/2

2xD

GRADE
1630

TCDCON
h6

6535
HB

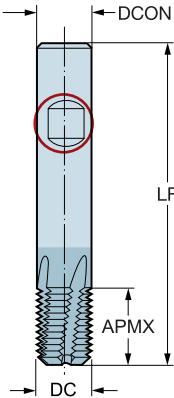
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M

K

N

S



Thread	Order number	Dimensions, inches					Discount group 730
		DC	APMX	ZEPF	DCON	LF	
1/8-27 NPT	R217.53-079270AC11N 1630	.311	.453	3	.315	2.284	
1/4-18 NPT	R217.53-099180AC15N 1630	.390	.627	3	.394	2.598	
1/2-14 NPT	R217.54-159140AC20N 1630	.626	.806	4	.630	3.228	
1/2-14 NPT	R217.55-199115AC27N 1630	.784	1.068	5	.787	3.622	
1/8-27 NPTF	R217.73-079270AC11N 1630	.311	.453	3	.315	2.284	
1/4-18 NPTF	R217.73-099180AC15N 1630	.390	.627	3	.394	2.598	
1/2-14 NPTF	R217.74-159140AC20N 1630	.626	.806	4	.630	3.228	

CoroMill® Plura – thread milling cutter

For Weldon internal and external machining



G
1/8- 3"

2xD

GRADE
1630

TCDCON
h6

6535
HB

P

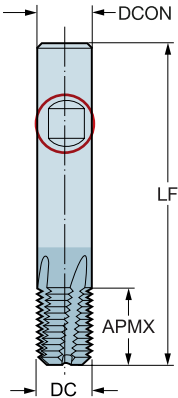
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K

N

S

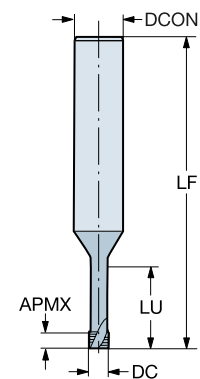
H



Thread	Order number	Dimensions, mm					Discount group 730
		DC	APMX	ZEPF	DCON	LF	
G1/8	R217.93-060280BC15N 1630	6.00	15.40	3	6.00	57.00	
G1/4	R217.94-100190BC20N 1630	10.00	20.00	4	10.00	72.00	
G3/8	R217.95-140190BC26N 1630	14.00	26.70	5	14.00	83.00	
G1/2 5/8	R217.95-160140BC30N 1630	16.00	30.80	5	16.00	92.00	
G5/8 3/4 7/8	R217.95-200140BC35N 1630	20.00	36.20	4	20.00	104.00	
G1"-3"	R217.95-250110BC45N 1630	25.00	46.15	5	25.00	121.00	

CoroMill® Plura – thread milling cutter for helix machining

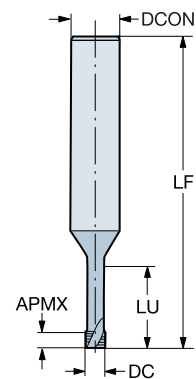
For cylindrical shank
internal thread



Thread	Fine	Lead	Order number	Dimensions, mm						Discount
FTDZ	Thread	TP		DC	APMX	LU	ZEFP	DCON	LF	group 730
M 1.6	MF 2.5-3.5	0.35	R217.13-012035AC03P 1620	1.20	0.53	3.73	3	3.00	37.82	
M 2		0.4	R217.13-015040AC04P 1620	1.55	1.00	4.60	3	6.00	56.80	
M 2.5		0.45	R217.13-019045AC05P 1620	1.95	1.13	5.68	3	6.00	56.77	
M 3	MF 4-8	0.5	R217.13-023050AC06P 1620	2.30	1.25	6.75	3	6.00	56.75	
M 4		0.7	R217.13-031070AC08P 1620	3.10	1.75	9.05	3	6.00	56.65	
M 5		0.8	R217.13-040080AC10P 1620	4.00	2.00	11.20	3	6.00	56.60	
M 6	MF 8-30	1.00	R217.13-048100AC12P 1620	4.80	2.50	13.50	3	6.00	56.50	
M 8	MF 10-16	1.25	R217.13-064125AC16P 1620	6.40	3.13	17.90	3	8.00	63.00	
M 10	MF 12-36	1.5	R217.14-082150AC20P 1620	8.20	3.75	22.30	4	10.00	71.25	
M 12		1.75	R217.15-095175AC24P 1620	9.50	4.38	26.70	5	10.00	71.12	
M 1.6	MF 2.5-3.5	0.35	R217.13-012035AC05P H07F	1.20	0.53	5.33	3	3.00	37.82	
M 2		0.4	R217.13-015040AC06P H07F	1.55	1.00	6.60	3	6.00	56.80	
M 2.5		0.45	R217.13-019045AC07P H07F	1.95	1.13	8.18	3	6.00	56.77	
M 3	MF 4-8	0.5	R217.13-023050AC09P H07F	2.30	1.25	9.75	3	6.00	56.75	
M 4		0.7	R217.13-031070AC12P H07F	3.10	1.75	13.05	3	6.00	56.65	
M 5		0.8	R217.13-040080AC15P H07F	4.00	2.00	16.20	3	6.00	56.60	
M 6	MF 10-30	1.00	R217.13-048100AC18P H07F	4.80	2.50	19.50	3	6.00	59.50	

CoroMill® Plura – thread milling cutter for hard machining

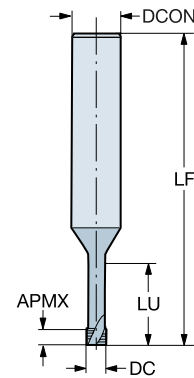
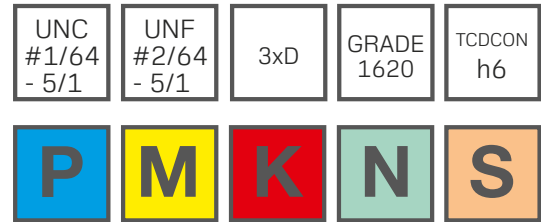
For cylindrical shank
internal thread



Thread	Fine Thread	Lead TP	Order number	Dimensions, mm						Discount group 730
				DC	APMX	LU	ZEFP	DCON	LF	
M 2	MF 2.5-3.5	0.40	R217.13-015040AC04S 1610	1.50	0.60	4.60	3	6.00	56.80	
M 2.5		0.45	R217.13-019045AC05S 1610	1.95	0.68	5.68	3	6.00	56.77	
M 3	MF 4-8	0.50	R217.13-023050AC06S 1610	2.30	0.75	6.75	3	6.00	56.75	
M 4		0.70	R217.13-031070AC08S 1610	3.10	1.05	9.05	3	6.00	56.65	
M 5		0.80	R217.14-040080AC10S 1610	4.00	1.20	11.20	4	6.00	56.60	
M 6	MF 8-30	1.00	R217.14-048100AC12S 1610	4.80	1.50	13.50	4	6.00	56.50	

CoroMill® Plura – thread milling cutter for helix machining

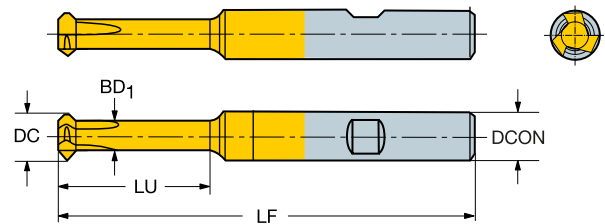
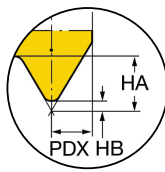
For cylindrical shank
internal thread



Thread	Lead	Order number	Dimensions, inches						Discount group 730
FTDZ	TP		DC	APMX	LU	ZEFP	DCON	LF	
UNC # 1-64	64.0	R217.33-013640AC05P 1620	.053	.023	.244	3	.236	23	
UNC #2-56	56.0	R217.33-016560AC06P 1620	.063	.027	.285	3	.236	236	
UNC #4-40	40.0	R217.33-021400AC08P 1620	.083	.062	.374	3	.236	236	
UNC #6-32	32.0	R217.33-026320AC10P 1620	.102	.078	.463	3	.236	236	
UNC #8-32	32.0	R217.33-032320AC12P 1620	.128	.078	.539	3	.236	236	
UNC #10-24	24.0	R217.33-035240AC14P 1620	.140	.104	.634	3	.236	2223	
UNC 1/4	20.0	R217.33-048200AC19P 1620	.191	.125	.827	3	.236	2219	
UNC 5/16	18.0	R217.33-062180AC24P 1620	.244	.139	1.022	3	.315	2453	
UNF #6-40	40.0	R217.33-027400AC10P 1620	.108	.037	.453	3	.236	2230	
UNF #10-32	32.0	R217.33-038320AC14P 1620	.152	.047	.618	3	.236	2228	
UNF 1/4	28.0	R217.33-052280AC19P 1620	.207	.054	.805	3	.236	2226	
UNF 5/16	24.0	R217.33-065240AC24P 1620	.258	.062	1.000	3	.315	2459	

CoroMill® Plura – thread milling cutter for helix machining

For cylindrical shank
internal thread



Metric version

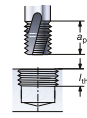
DC	Order number	Lead, mm		Dimensions, mm									Discount group 730
		Min.	Max.	APMX	LU	ZEFP	DCON	LF	DN	HA	HB	BD	
5.80	326R06-B15050VM-TH 1025	0.5	1.5	1.94	15.00	3	6.00	58.00	3.5	0.97	0.06	5.00	
7.80	326R08-B25050VM-TH 1025	0.5	1.5	1.94	25.00	3	8.00	68.00	5.5	0.97	0.06	5.50	
7.80	326R08-B25100VM-TH 1025	1.0	2.0	2.62	25.00	3	8.00	68.00	5	1.31	0.12	5.00	

Inch version

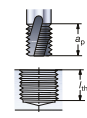
Order number		Lead, mm		Dimensions, inches									Discount group 730
DC		Min.	Max.	APMX	LU	ZEFP	DCON	LF	DN	HA	HB	BD	
.228	A326R06-M15050VM-TH 1025	16	50	.076	.591	3	.250	2.284	.138	.038	.002	.197	
.307	A326R08-M25050VM-TH 1025	16	50	.076	.984	3	.312	2.677	.216	.038	.002	.217	
.307	A326R08-M25100VM-TH 1025	12	24	.103	.984	3	.312	2.677	.197	.051	.004	.197	

Cutting data for the CoroMill® Plura thread milling cutter

Cutting speed and feed recommendations



$$v_c = 0.5 \times f_z$$

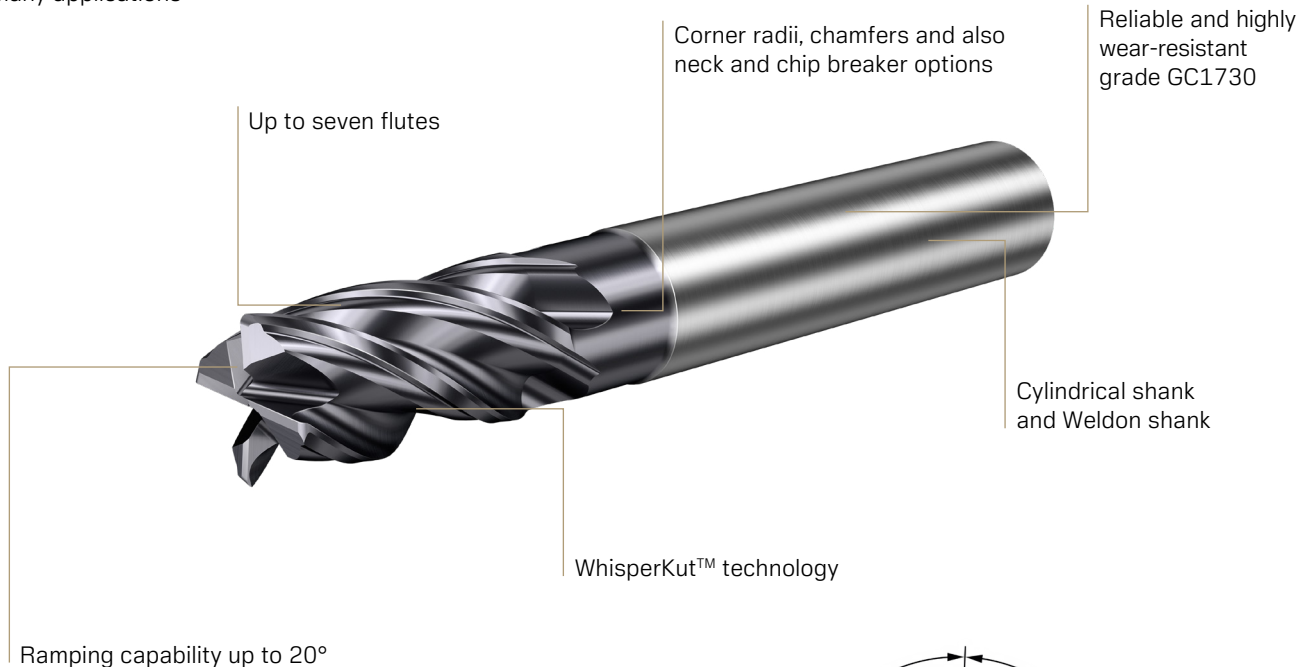


$$v_c = f_z$$

ISO	MC no.	Material	Hardness		Thread	Dimensions, mm		Cutting speed v_c m/min	Feed/tooth f_z mm	Cutting speed v_c m/min	Feed/tooth f_z mm
			HB	HRC		DC	ZEFP				
P	Non-alloy carbon steel P1.1.Z.AN	S235JR G2; C15; 17MnV7; St37	125		M4	3.2	3	152	0.030	141	0.018
					M10	8.2	4	132	0.052	124	0.029
					M20	16	5	141	0.130	131	0.069
	Low-alloy steel P2.5.Z.HT	34CrNiMo6 V; 51CrV4 V; 41CrAlMo7 V	300		M4	3.2	3	147	0.012	137	0.006
					M10	8.2	4	164	0.086	153	0.050
					M20	16	5	173	0.089	162	0.118
	High-alloy steel P3.0.Z.HT	See hardened above	450		M4	3.2	3	163	0.035	151	0.015
					M10	8.2	4	164	0.061	153	0.049
					M20	16	5	173	0.012	162	0.118
M	Stainless steel P5.0.Z.AN	X6Cr17; X6CrMo17-1; X20CrMoV12-1	200		M4	3.2	3	81	0.024	75	0.009
					M10	8.2	4	82	0.052	76	0.036
					M20	16	5	86	0.089	93	0.089
	M1.0.Z.AQ	1.4301; 1.4404	200		M4	3.2	3	53	0.018	49	0.007
					M10	8.2	4	53	0.052	50	0.027
					M20	16	5	56	0.089	53	0.072
	M3.1.Z.AQ	X2CrNiN23-4; X8CrNiMo27-5; 1.4362	230		M4	3.2	3	53	0.018	49	0.007
					M10	8.2	4	53	0.052	50	0.027
					M20	16	5	56	0.131	53	0.074
K	Malleable cast iron K1.1.C.NS	EN-GJMB350-10; EN-GJMB550-4; EN-GJMB700-2			M4	3.2	3	80	0.020	77	0.016
					M10	8.2	4	89	0.061	83	0.036
					M20	16	5	82	0.084	83	0.089
	Grey cast iron K2.2.C.UT	EN-GJL-300; EN-GJL-350			M4	3.2	3	76	0.018	73	0.014
					M10	8.2	4	86	0.038	79	0.034
					M20	16	5	79	0.075	80	0.080
	Ductile cast iron K3.1.C.UT	EN-GJS-400-15; N-GJS-800-7; EN-GJS-400-18-LT (GGG40) EN-GJS-600-3 (GGG50) EN-GJS-700-2			M4	3.2	3	101	0.027	97	0.020
					M10	8.2	4	104	0.047	105	0.048
					M20	16	5	104	0.089	97	0.067
N	Aluminium N1.2.Z.UT	EN AW-7075	60		M4	3.2	3	503	0.040	503	0.035
					M10	8.2	4	1120	0.089	1060	0.061
					M20	16	5	1130	0.089	1060	0.089
	N1.3.C.UT	G-AlMg5	95		M4	3.2	3	434	0.040	404	0.018
					M10	8.2	4	461	0.061	432	0.061
					M20	16	5	467	0.089	436	0.089
			150		M4	3.2	3	273	0.028	262	0.021
					M10	8.2	4	278	0.053	260	0.026
					M20	16	5	282	0.089	263	0.071
S	Heat-resistant alloys S1.0.U.AN	TMG 1.7.3	200		M4	3.2	3	35	0.006	35	0.003
					M10	8.2	4	37	0.023	35	0.013
					M20	16	5	38	0.066	38	0.063
	Titanium alloys S2.0.Z.AG	TiAl6V4; TiAl4Mo4Sn2Si0,5	300		M4	3.2	3	30	0.030	29	0.020
					M10	8.2	4	32	0.013	30	0.007
					M20	16	5	32	0.037	30	0.018
	S4.2.Z.AN	Inconel, Hastelloy, Rene 41	300		M4	3.2	3	55	0.012	51	0.060
					M10	8.2	4	58	0.037	54	0.020
					M20	12	6	59	0.089	55	0.051
H	H1.3.Z.HA	40CrMnMo7; 55NiCrMoV6; X42Cr13		55	M4	4.5	4	43	0.010	40	0.005
					M10	8.2	5	42	0.022	45	0.035
					M20	12	5	45	0.042	42	0.021
	H1.3.Z.HA	100Cr6; 1.3505		60	M4	4.5	4	30	0.005	30	0.003
					M10	8.2	5	29	0.011	28	0.006
					M20	12	5	30	0.022	28	0.010

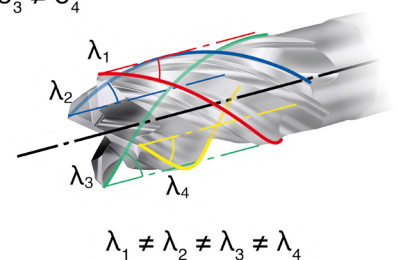
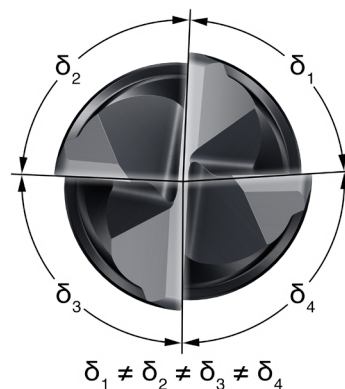
Tool features

- 2–7 flutes
- 1–4×D cutting length
- With and without chip breaker
- Robust and light-cutting geometries suitable for many applications
- Easy to choose, easy to use.
- Can be reground up to three times according to original specifications



WhisperKut™ technology

- Advanced design in which each flute is arranged at a different helix angle
- In addition, all cutting edges are differentially divided, so that each flute is arranged differently from the others, which reduces the constant vibrations that typically occur with conventional end mills.
- The design provides excellent stability and effectively eliminates and prevents vibrations
- The result is quiet, safe and efficient processing



Applications

- Roughing to finishing with a wide range of application options
- A universal tool concept for all applications and materials
- Suitable for general mechanical engineering in all industrial segments

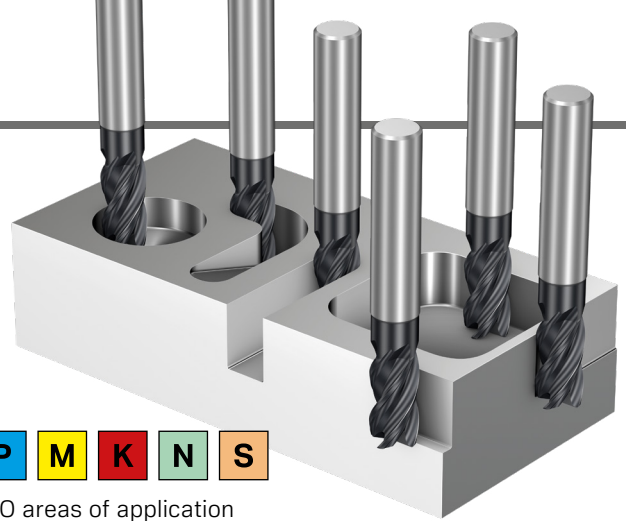
Tool selection: CoroMill® Dura

**First choice
tool:
1K334**

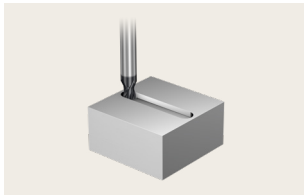
1K334 (number of teeth $z=4$,
cutting length, max. (APMX) = $2 \times DC$)
1K324 (number of teeth $z=4$,
cutting length, max. (APMX) = $1.5 \times DC$)



ISO areas of application

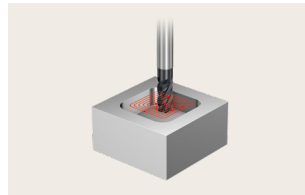


Do you require something more specific?

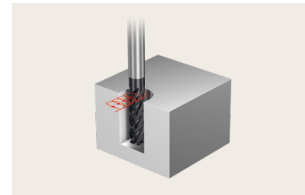


**Keyway or
for driven units**

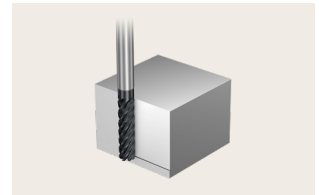
1K212 ($z = 2$, APMX = $1 \times DC$)
1K232 ($z = 2$, APMX = $2 \times DC$)
1K313 ($z = 3$, APMX = $1 \times DC$)
1K333 ($z = 3$, APMX = $2 \times DC$)



**Dynamic milling/
medium engagement widths**
1K325 ($z = 5$, APMX = $1.5 \times DC$)
1K335 ($z = 5$, APMX = $2 \times DC$)

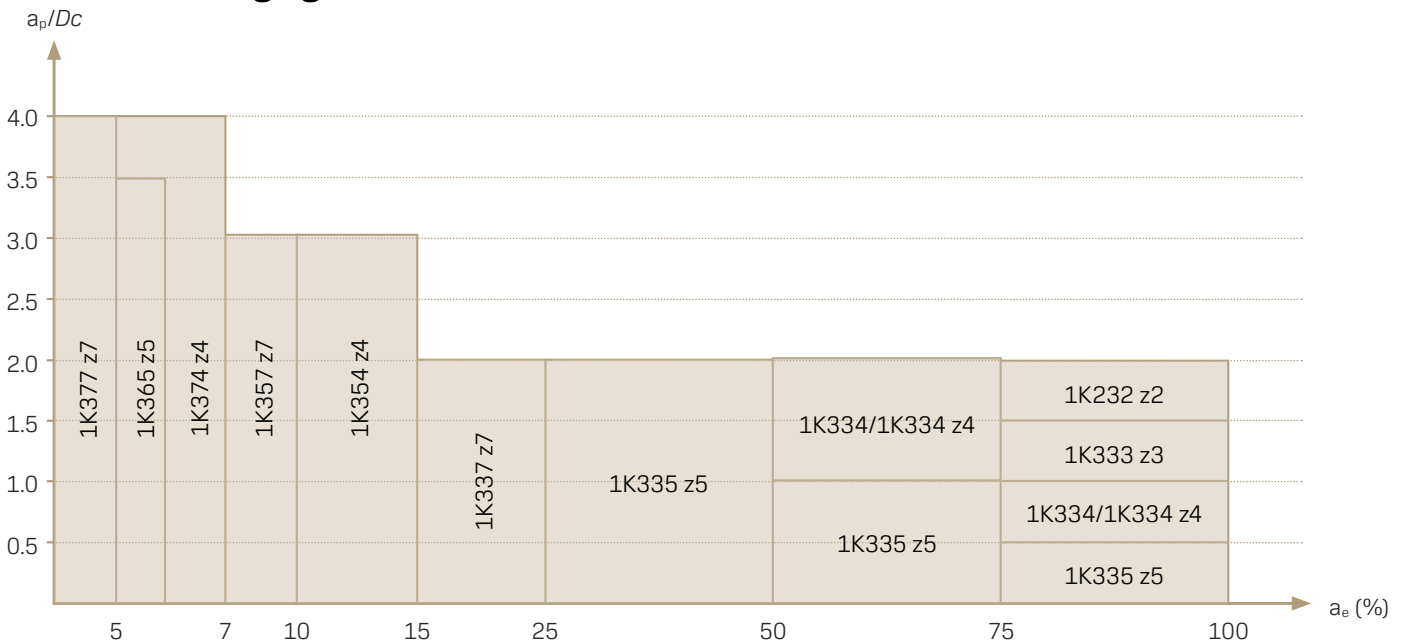


**Dynamic milling/
small engagement widths**
1K354 ($z = 4$, APMX = $3 \times DC$)
1K365 ($z = 5$, APMX = $3.5 \times DC$)
1K374 ($z = 4$, APMX = $4 \times DC$)



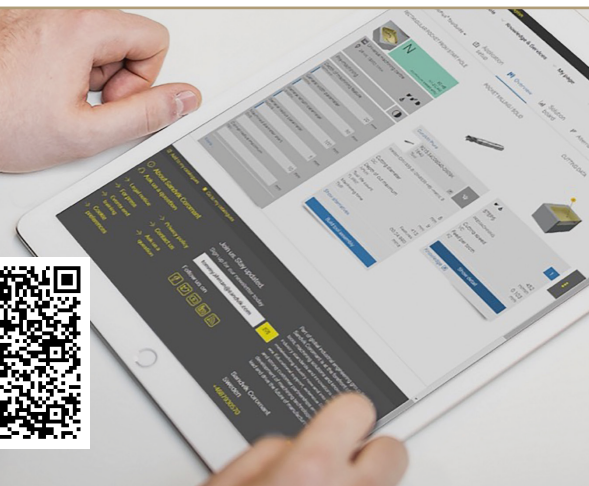
Finishing/pre-finishing
1K337 ($z = 7$, APMX = $2 \times DC$)
1K357 ($z = 7$, APMX = $3 \times DC$)
1K377 ($z = 7$, APMX = $4 \times DC$)
1K273 ($z = 3$, APMX = $4 \times DC$)
1K283 ($z = 3$, APMX = $4 \times DC$)

Maximum engagement widths



CoroMill® Dura tool selection

- Online tool selection based on the CoroPlus® Tool Guide
- Select the right tool and the right parameters for your application
- Easy to choose and use correctly
- Supports the following areas of application for CoroMill® Dura:
Groove milling, shoulder milling, pocket milling, helical interpolation



Recommendations for cutting speed

Multi-material – CoroMill® Dura 1-2 x D

f_z increase +20% for end mills with shorter length 1.5 x D

f_z feed reduction -50% for 1K337 end mills (-50%)

f_z increase +30% for Z3 and Z2 end mills $a_{p,max} = 1 \times D$

													
					$a_e = 1.0 \times DC$			$a_e = 0.5 \times DC$			$a_e = 0.1 \times DC$		
					$a_p = 0.5 \times DC$			$a_p = 1.0 \times DC$			$a_p = 1.5 \times DC$		
ISO	MC no.	CMC	Material	HB	f_z	v_c m/min	v_c feet/min	f_z	v_c m/min	v_c feet/min	f_z	v_c m/min	v_c feet/min
P	P1.2.Z.AN	01.2	Non-alloy carbon steel	190	F01	145	475	F04	175	574	F06	290	951
	P2.2.Z.AN	02.2	Low-alloy steel	240	F01	110	361	F04	135	443	F06	230	754
	P3.0.Z.HT	03.21	High-alloy steel	380	F02	80	262	F05	100	328	F06	200	656
M	P5.0.Z.AN	05.11	Ferritic/martensitic stainless steel	200	F02	80	262	F05	90	295	F04	150	492
	M1.0.Z.AQ	05.21	Austenitic stainless steel	200	F01	70	230	F04	80	262	F06	120	393
	M3.2.Z.AQ	05.51	Stainless (austenitic/ferritic) duplex steels	260	F02	60	197	F05	70	230	F04	90	295
K	K1.1.C.NS	07.2	Malleable cast iron	200	F01	150	492	F04	180	590	F06	250	820
	K2.1.C.UT	08.2	Grey cast iron	180	F01	150	492	F04	180	590	F06	250	820
	K3.2.C.UT	09.2	Ductile cast iron	215	F01	160	525	F04	190	623	F06	270	885
N	N1.2.Z.AG	30.12	Aluminium alloys	100	F03	680	2230	F03	835	2738	F09	950	3115
	N1.3.C.UT	30.21	Aluminium alloys	75	F03	230	754	F03	305	1000	F09	410	1344
	N1.4.C.NS	30.42	Aluminium alloys	130	F03	100	328	F03	130	426	F09	195	639
	N3.2.C.UT	33.2	Copper and copper alloys	90	F03	130	426	F03	170	557	F09	245	803
S	S2.0.Z.AG	20.22	Iron-based high-temperature alloys	350	F02	25	82	F05	30	98	F07	40	131
	S4.2.Z.AN	23.22	Nickel-based high-temperature alloys	320	F02	40	131	F05	50	164	F07	70	230

Feed recommendations

mm/tooth

inch/tooth

DC	1.000	2.000	3.000	4.000	6.000	6.350	8.000	9.525	10.000	12.000	12.700	14.000	15.875	16.000	19.050	20.000	25.000	25.400
f_z	0.039	0.079	0.709	0.157	0.236	0.250	0.315	0.375	0.394	0.472	0.500	0.551	0.625	0.630	0.750	0.787	0.984	1.000
F01	0.008	0.012	0.016	0.021	0.029	0.030	0.037	0.044	0.046	0.054	0.057	0.062	0.070	0.071	0.083	0.087	0.108	0.110
	.0003	.0005	.0006	.0008	.0011	.0012	.0015	.0017	.0018	.0021	.0022	.0025	.0028	.0028	.0033	.0034	.0043	.0043
F02	0.008	0.011	0.015	0.018	0.025	0.026	0.032	0.037	0.038	0.045	0.047	0.052	0.058	0.058	0.069	0.072	0.089	0.090
	.0003	.0004	.0006	.0007	.0010	.0010	.0012	.0014	.0015	.0018	.0019	.0020	.0023	.0023	.0027	.0028	.0035	.0035
F03	0.020	0.027	0.033	0.040	0.053	0.055	0.066	0.076	0.079	0.092	0.097	0.105	0.118	0.118	0.138	0.145	0.177	0.180
	.0008	.0010	.0013	.0016	.0021	.0022	.0026	.0030	.0031	.0036	.0038	.0041	.0046	.0047	.0054	.0057	.0070	.0071
F04	0.020	0.025	0.029	0.034	0.044	0.045	0.053	0.060	0.062	0.072	0.075	0.081	0.090	0.091	0.105	0.110	0.133	0.135
	.0008	.0010	.0012	.0013	.0017	.0018	.0021	.0024	.0025	.0028	.0030	.0032	.0035	.0036	.0041	.0043	.0052	.0053
F05	0.020	0.023	0.027	0.030	0.037	0.039	0.044	0.050	0.051	0.058	0.061	0.065	0.072	0.072	0.083	0.086	0.104	0.105
	.0008	.0009	.0011	.0012	.0015	.0015	.0017	.0020	.0020	.0023	.0024	.0026	.0028	.0028	.0033	.0034	.0041	.0041
F06	0.022	0.028	0.035	0.041	0.054	0.057	0.067	0.077	0.080	0.093	0.098	0.106	0.118	0.119	0.139	0.145	0.177	0.180
	.0009	.0011	.0014	.0016	.0021	.0022	.0027	.0030	.0032	.0037	.0038	.0042	.0047	.0047	.0055	.0057	.0070	.0071
F07	0.020	0.025	0.031	0.036	0.047	0.049	0.057	0.065	0.068	0.079	0.082	0.089	0.099	0.100	0.116	0.121	0.148	0.150
	.0008	.0010	.0012	.0014	.0018	.0019	.0023	.0026	.0027	.0031	.0032	.0035	.0039	.0039	.0046	.0048	.0058	.0059
F08	0.030	0.038	0.046	0.053	0.069	0.072	0.085	0.096	0.100	0.116	0.121	0.131	0.146	0.147	0.171	0.178	0.217	0.220
	.0012	.0015	.0018	.0021	.0027	.0028	.0033	.0038	.0039	.0046	.0048	.0052	.0057	.0058	.0067	.0070	.0085	.0087

For optimised cutting data, see CoroPlus® ToolGuide and CoroMill® Dura Tool Selector.

Tool Guide:



<https://www.sandvik.coromant.com/en-gb/tools/digital-machining/coroplus-tool-guide>

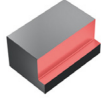
Tool Selector:

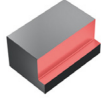


https://www.sandvik.coromant.com/de-de/products/toolguide/tool-recommendation?FocusAssortment=TG_DURA

Recommendations for cutting speed

Multi-material – CoroMill® Dura 3-4 x D

ISO	MC no.	CMC	Material	HB												
					1K354-XC/XD				1K357-XD				1K365-XC/XD			
					$a_p = 3.0 \times DC$				$a_p = 3.0 \times DC$				$a_p = 3.5 \times DC$			
					a_e	f_z	v_c m/min	v_c feet/min	a_e	f_z	v_c m/min	v_c feet/min	a_e	f_z	v_c m/min	v_c feet/min
P	P1.2.Z.AN	01.2	Non-alloy carbon steel	190	0.15xDC	F01	250	820	0.10xDC	F01	275	902	0.07xDC	F04	303	992
	P2.2.Z.AN	02.2	Low-alloy steel	240	0.15xDC	F01	240	787	0.10xDC	F02	264	866	0.07xDC	F04	290	952
	P3.0.Z.HT	03.21	High-alloy steel	320	0.15xDC	F02	140	459	0.10xDC	F02	154	505	0.07xDC	F05	169	555
M	P5.0.Z.AN	05.11	Ferritic/martensitic stainless steel	200	0.15xDC	F02	120	393	0.10xDC	F02	132	433	0.07xDC	F05	145	476
	M1.0.Z.AQ	05.21	Austenitic stainless steel	200	0.15xDC	F02	150	492	0.10xDC	F02	165	541	0.07xDC	F05	182	595
	M3.2.Z.AQ	05.51	Stainless (austenitic/ferritic) duplex steels	260	0.15xDC	F02	130	426	0.10xDC	F02	143	469	0.07xDC	F05	157	516
K	K1.1.C.NS	07.2	Malleable cast iron	200	0.15xDC	F01	235	770	0.10xDC	F01	259	848	0.07xDC	F04	284	932
	K2.1.C.UT	08.2	Grey cast iron	180	0.15xDC	F01	240	787	0.10xDC	F01	264	866	0.07xDC	F04	290	952
	K3.2.C.UT	09.2	Ductile cast iron	215	0.15xDC	F01	245	803	0.10xDC	F01	270	884	0.07xDC	F04	296	972
N	N1.2.Z.AG	30.12	Aluminium alloys	100	0.15xDC	F04	950	3115	0.10xDC	F04	1140	3738	0.07xDC	F06	1140	3738
	N1.3.C.UT	30.21	Aluminium alloys	75	0.15xDC	F04	410	1344	0.10xDC	F04	492	1613	0.07xDC	F06	492	1613
	N1.4.C.NS	30.42	Aluminium alloys	130	0.15xDC	F04	195	639	0.10xDC	F04	234	767	0.07xDC	F06	234	767
	N3.2.C.UT	33.2	Copper and copper alloys	90	0.15xDC	F04	245	803	0.10xDC	F04	294	964	0.07xDC	F06	294	964
S	S2.0.Z.AG	20.22	Nickel-based super alloys	350	0.05xDC	F03	55	180	0.05xDC	F03	55	180	0.05xDC	F03	55	180
	S4.2.Z.AN	23.22	Titanium-based alloy	320	0.05xDC	F03	120	393	0.05xDC	F03	120	393	0.05xDC	F03	120	393

ISO	MC no.	CMC	Material	HB					Finishing			
					1K377-XD				all			
					$a_p = 4.0 \times DC$				$a_p = 2.0-4.0 \times DC$			
					a_p	f_z	v_c m/min	v_c feet/min	a_p	f_z	v_c m/min	v_c feet/min
P	P1.2.Z.AN	01.2	Non-alloy carbon steel	190	0.05xDC	F07	333	1091	0.10(0.05-0.2)	0.03	366	1200
	P2.2.Z.AN	02.2	Low-alloy steel	240	0.05xDC	F07	319	1048	0.10(0.05-0.2)	0.03	351	1152
	P3.0.Z.HT	03.21	High-alloy steel	320	0.05xDC	F02	186	611	0.10(0.05-0.2)	0.03	205	672
M	P5.0.Z.AN	05.11	Ferritic/martensitic stainless steel	200	0.05xDC	F08	160	524	0.10(0.05-0.2)	0.03	176	576
	M1.0.Z.AQ	05.21	Austenitic stainless steel	200	0.05xDC	F08	200	655	0.10(0.05-0.2)	0.03	220	720
	M3.2.Z.AQ	05.51	Stainless (austenitic/ferritic) duplex steels	260	0.05xDC	F08	173	567	0.10(0.05-0.2)	0.03	190	624
K	K1.1.C.NS	07.2	Malleable cast iron	200	0.05xDC	F07	313	1026	0.10(0.05-0.2)	0.03	344	1128
	K2.1.C.UT	08.2	Grey cast iron	180	0.05xDC	F07	319	1048	0.10(0.05-0.2)	0.03	351	1152
	K3.2.C.UT	09.2	Ductile cast iron	215	0.05xDC	F07	326	1069	0.10(0.05-0.2)	0.03	359	1176
N	N1.2.Z.AG	30.12	Aluminium alloys	100	0.05xDC	F03	1140	3738	0.10(0.05-0.2)	0.03	1140	3738
	N1.3.C.UT	30.21	Aluminium alloys	75	0.05xDC	F03	492	1613	0.10(0.05-0.2)	0.03	492	1613
	N1.4.C.NS	30.42	Aluminium alloys	130	0.05xDC	F03	234	767	0.10(0.05-0.2)	0.03	234	767
	N3.2.C.UT	33.2	Copper and copper alloys	90	0.05xDC	F03	294	964	0.10(0.05-0.2)	0.03	294	964
S	S2.0.Z.AG	20.22	Nickel-based super alloys	350	0.05xDC	F08	55	180	0.10(0.05-0.2)	0.03	50	164
	S4.2.Z.AN	23.22	Titanium-based alloy	320	0.05xDC	F08	120	393	0.10(0.05-0.2)	0.03	105	344

DC	2.000	3.000	4.000	6.000	6.350	8.000	9.525	10.000	12.000	12.700	14.000	15.875	16.000	19.050	20.000	25.000	25.400
f_z	0.079	0.118	0.157	0.236	0.250	0.315	0.375	0.394	0.472	0.500	0.551	0.625	0.630	0.750	0.787	0.984	1.000
F01	0.010 .0004	0.015 .0006	0.020 .0008	0.030 .0012	0.032 .0013	0.040 .0016	0.048 .0019	0.050 .0020	0.060 .0024	0.064 .0025	0.070 .0028	0.079 .0031	0.080 .0031	0.095 .0038	0.100 .0039	0.125 .0049	0.127 .0050
F02	0.008 .0003	0.012 .0005	0.015 .0006	0.023 .0009	0.024 .0010	0.031 .0012	0.036 .0014	0.038 .0015	0.046 .0018	0.049 .0019	0.054 .0021	0.061 .0024	0.061 .0024	0.073 .0029	0.076 .0030	0.095 .0038	0.097 .0038
F03	0.010 .0004	0.014 .0006	0.019 .0007	0.028 .0011	0.030 .0012	0.037 .0015	0.044 .0017	0.046 .0018	0.055 .0022	0.058 .0023	0.064 .0025	0.073 .0029	0.073 .0029	0.087 .0034	0.092 .0036	0.114 .0045	0.116 .0046
F04	0.013 .0005	0.020 .0008	0.027 .0011	0.040 .0016	0.042 .0017	0.053 .0021	0.063 .0025	0.067 .0026	0.080 .0031	0.085 .0033	0.093 .0037	0.106 .0042	0.106 .0042	0.127 .0050	0.133 .0052	0.166 .0065	0.169 .0067
F05	0.011 .0004	0.017 .0007	0.023 .0009	0.035 .0014	0.037 .0015	0.047 .0018	0.056 .0022	0.059 .0023	0.071 .0028	0.075 .0029	0.082 .0032	0.094 .0037	0.094 .0037	0.112 .0044	0.118 .0046	0.148 .0058	0.150 .0059
F06	0.021 .0008	0.028 .0011	0.036 .0014	0.050 .0020	0.053 .0021	0.064 .0025	0.075 .0030	0.079 .0031	0.093 .0037	0.098 .0039	0.108 .0042	0.121 .0048	0.122 .0048	0.144 .0057	0.151 .0059	0.187 .0074	0.190 .0075
F07	0.014 .0006	0.016 .0006	0.018 .0007	0.021 .0008	0.022 .0008	0.024 .0010	0.027 .0011	0.028 .0011	0.031 .0012	0.032 .0013	0.034 .0013	0.037 .0015	0.037 .0015	0.043 .0017	0.044 .0017	0.052 .0021	0.053 .0021
F08	0.003 .0001	0.005 .0002	0.007 .0003	0.010 .0004	0.011 .0004	0.013 .0005	0.016 .0006	0.017 .0007	0.020 .0008	0.021 .0008	0.023 .0009	0.026 .0010	0.026 .0010	0.032 .0012	0.033 .0013	0.041 .0016	0.042 .0017

For optimised cutting data, see CoroPlus® ToolGuide and CoroMill® Dura Tool Selector.

CoroMill® Dura solid carbide end mills for universal use

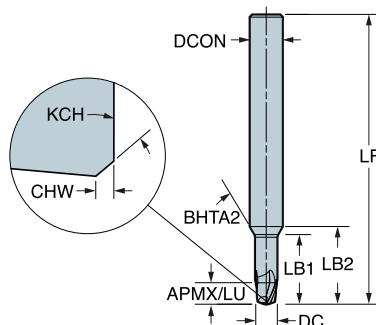
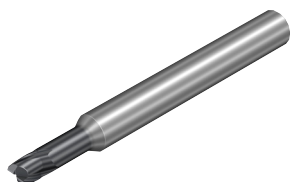
Two cutting edges – for milling keyways P9

1K212 – 1xD

FHA 28°
 BSG COROMANT
 TCDC e8
 TCDCON h6
 ZEFP 2



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
2.0	6	2.0			2.0	2	28°	1K212-0200-XA	★	★	★	★	★	6.0	50.0	8.5	12.0	30°	
3.0	6	3.0	0.08	45°	3.0	2	28°	1K212-0300-XA	★	★	★	★	★	6.0	50.0	10.0	12.6	30°	
3.8	6	3.8	0.08	45°	3.8	2	28°	1K212-0380-XA	★	★	★	★	★	6.0	54.0	12.7	14.6	30°	
4.0	6	4.0	0.13	45°	4.0	2	28°	1K212-0400-XA	★	★	★	★	★	6.0	54.0	12.5	14.2	30°	
4.8	6	4.8	0.13	45°	4.8	2	28°	1K212-0480-XA	★	★	★	★	★	6.0	54.0	15.0	16.0	30°	
5.0	6	5.0	0.13	45°	5.0	2	28°	1K212-0500-XA	★	★	★	★	★	6.0	54.0	14.0	14.9	30°	
* 5.75	6	5.75	0.13	45°	5.75	2	28°	1K212-0575-XB	★	★	★	★	★	6.0	57	16.1	16.3	30°	
5.8	6	5.8	0.13	45°	5.8	2	28°	1K212-0580-XA	★	★	★	★	★	6.0	57.0	16.3	16.5	30°	

*New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

Two cutting edges – for milling keyways P9

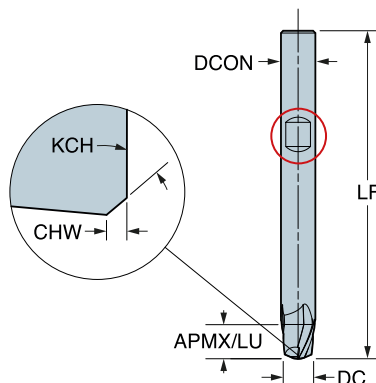
1K212 – 1xD

FHA
BSG
TCDC
TCDCON
ZEFP

28°
COROMANT
e8
h6
2



ISO areas of application



Metric version														Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	P	M	K	N	S	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
6.0	6	6.0	0.13	45°	6.0	2	28°	1K212-0600-XB	★	★	★	★	★	6.0	57.0				
* 7	8	7	0.13	45	7	2	28°	1K212-0700-XB	★	★	★	★	★	8	63	18.9	19.7	30°	
* 7.75	8	7.75	0.13	45	7.75	2	28°	1K212-0775-XB	★	★	★	★	★	8	63	20.9	21.1	30°	
7.8	8	7.8	0.13	45°	7.8	2	28°	1K212-0780-XB	★	★	★	★	★	8.0	63.0	21.1			
8.0	8	8.0	0.20	45°	8.0	2	28°	1K212-0800-XB	★	★	★	★	★	8.0	63.0				
* 9	10	9	0.2	45	9	2	28°	1K212-0900-XB	★	★	★	★	★	10	72	24.3	25.1	30°	
9.7	10	9.7	0.20	45°	9.7	2	28°	1K212-0970-XB	★	★	★	★	★	10.0	72.0	26.2			
10.0	10	10.0	0.20	45°	10.0	2	28°	1K212-1000-XB	★	★	★	★	★	10.0	72.0				
11.7	12	11.7	0.20	45°	11.7	2	28°	1K212-1170-XB	★	★	★	★	★	12.0	83.0	30.5			
12.0	12	12.0	0.20	45°	12.0	2	28°	1K212-1200-XB	★	★	★	★	★	12.0	83.0				
* 13.7	14	13.7	0.2	45	13.7	2	28°	1K212-1370-XB	★	★	★	★	★	14	83	34.2	34.5	30°	
* 14	14	14	0.2	45	14	2	28°	1K212-1400-XB	★	★	★	★	★	14	83	-	-	-	
* 15.7	16	15.7	0.2	45	15.7	2	28°	1K212-1570-XB	★	★	★	★	★	16	92	39.2	39.5	30°	
16.0	16	16.0	0.20	45°	16.0	2	28°	1K212-1600-XB	★	★	★	★	★	16.0	92.0				
* 17.7	18	17.7	0.2	45	17.7	2	28°	1K212-1770-XB	★	★	★	★	★	18	92	42.4	42.7	30°	
* 18	18	18	0.2	45	18	2	28°	1K212-1800-XB	★	★	★	★	★	18	92	-	-	-	
* 19.7	20	19.7	0.3	45	19.7	2	28°	1K212-1970-XB	★	★	★	★	★	20	92	47.2	47.5	30°	
20.0	20	20.0	0.30	45°	20.0	2	28°	1K212-2000-XB	★	★	★	★	★	20.0	92.0				

*New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

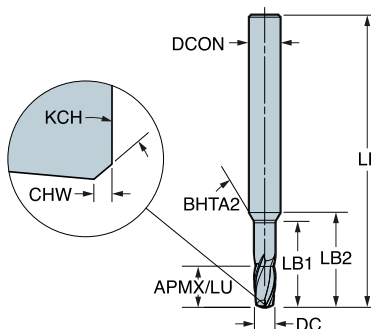
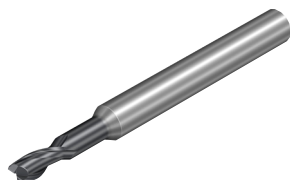
Two cutting edges – for milling keyways P9

1K232 – 2xD

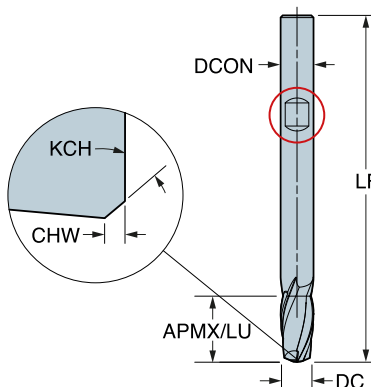
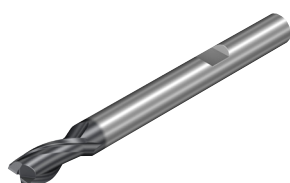
FHA 28°
 BSG COROMANT
 TCDC e8
 TCDCON h6
 ZEFP 2



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
1.0	6	2.0			2.0	2	28°	1K232-0100-XA	★	★	★	★	★	6.0	50.0	8.0	12.3	30°	
2.0	6	4.0			4.0	2	28°	1K232-0200-XA	★	★	★	★	★	6.0	57.0	10.5	14.0	30°	
3.0	6	6.0	0.08	45°	6.0	2	28°	1K232-0300-XA	★	★	★	★	★	6.0	57.0	13.0	15.6	30°	
4.0	6	8.0	0.13	45°	8.0	2	28°	1K232-0400-XA	★	★	★	★	★	6.0	57.0	16.5	18.2	30°	
5.0	6	10.0	0.13	45°	10.0	2	28°	1K232-0500-XA	★	★	★	★	★	6.0	57.0	19.0	19.9	30°	



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
6.0	6	12.0	0.13	45°	12.0	2	28°	1K232-0600-XB	★	★	★	★	★	6.0	63.0				
8.0	8	16.0	0.20	45°	16.0	2	28°	1K232-0800-XB	★	★	★	★	★	8.0	72.0				
10.0	10	20.0	0.20	45°	20.0	2	28°	1K232-1000-XB	★	★	★	★	★	10.0	82.0				
12.0	12	24.0	0.20	45°	24.0	2	28°	1K232-1200-XB	★	★	★	★	★	12.0	92.0				
16.0	16	32.0	0.20	45°	32.0	2	28°	1K232-1600-XB	★	★	★	★	★	16.0	104.0				
20.0	20	40.0	0.30	45°	40.0	2	28°	1K232-2000-XB	★	★	★	★	★	20.0	114.0				

CoroMill® Dura solid carbide end mills for universal use

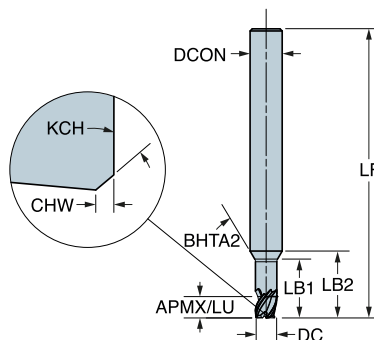
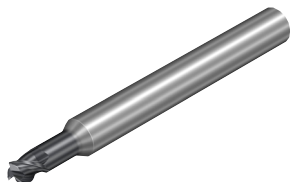
Three cutting edges – for milling keyways P9

1K313 – 1xD

FHA 38°
 BSG COROMANT
 TCDC e8
 TCDCON h6
 ZEFP 3



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
2.0	6	2.0			2.0	3	38°	1K313-0200-XA	★	★	★	★	★	6.0	50.0	6.0	9.5	30°	
3.0	6	3.0	0.08	45°	3.0	3	38°	1K313-0300-XA	★	★	★	★	★	6.0	50.0	8.5	11.1	30°	
3.5	6	3.5	0.08	45°	3.5	3	38°	1K313-0350-XA	★	★	★	★	★	6.0	50.0	9.9	12.1	30°	
3.8	6	3.8	0.08	45°	3.8	3	38°	1K313-0380-XA	★	★	★	★	★	6.0	54.0	10.8	12.7	30°	
4.0	6	4.0	0.13	45°	4.0	3	38°	1K313-0400-XA	★	★	★	★	★	6.0	54.0	10.5	12.2	30°	
4.5	6	4.5	0.13	45°	4.5	3	38°	1K313-0450-XA	★	★	★	★	★	6.0	54.0	11.8	13.1	30°	
4.8	6	4.8	0.13	45°	4.8	3	38°	1K313-0480-XA	★	★	★	★	★	6.0	54.0	12.6	13.6	30°	
5.0	6	5.0	0.13	45°	5.0	3	38°	1K313-0500-XA	★	★	★	★	★	6.0	54.0	12.0	12.9	30°	
* 5.75	6	5.75	0.13	45°	5.75	3	38°	1K313-0575-XA	★	★	★	★	★	6.0	54.0	13.8	14.0	30°	
5.8	6	5.8	0.13	45°	5.8	3	38°	1K313-0580-XA	★	★	★	★	★	6.0	54.0	13.9	14.1	30°	

*New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

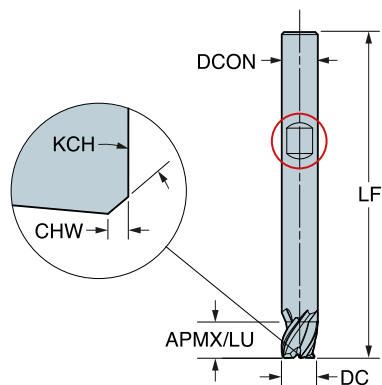
Three cutting edges – for milling keyways P9

1K313 – 1xD

FHA 28°
 BSG COROMANT
 TCDC e8
 TCDCON h6
 ZEFP 3



ISO areas of application



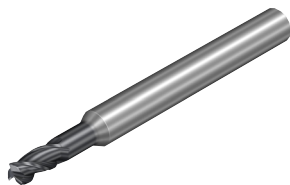
Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
6.0	6	6.0	0.13	45°	6.0	3	38°	1K313-0600-XB	★	★	★	★	★	6.0	54.0				
7.8	8	7.8	0.13	45°	7.8	3	38°	1K313-0780-XB	★	★	★	★	★	8.0	58.0	17.9	18.1	30°	
8.0	8	8.0	0.20	45°	8.0	3	38°	1K313-0800-XB	★	★	★	★	★	8.0	58.0				
9.7	10	9.7	0.20	45°	9.7	3	38°	1K313-0970-XB	★	★	★	★	★	10.0	66.0	22.3	22.5	30°	
10.0	10	10.0	0.20	45°	10.0	3	38°	1K313-1000-XB	★	★	★	★	★	10.0	66.0				
11.7	12	11.7	0.20	45°	11.7	3	38°	1K313-1170-XB	★	★	★	★	★	12.0	73.0	25.7	26	30°	
12.0	12	12.0	0.20	45°	12.0	3	38°	1K313-1200-XB	★	★	★	★	★	12.0	73.0				
* 13.7	14	13.7	0.20	45°	13.7	3	38°	1K313-1370-XB	★	★	★	★	★	14.0	75.0	29.5	29.8	30°	
* 14	14	14.0	0.20	45°	14.0	3	38°	1K313-1400-XB	★	★	★	★	★	14.0	75.0	-	-	-	
16.0	16	16.0	0.20	45°	16.0	3	38°	1K313-1600-XB	★	★	★	★	★	16.0	82.0				
* 17.7	18	17.7	0.20	45°	17.7	3	38°	1K313-1770-XB	★	★	★	★	★	18.0	84.0	35.4	35.7	30°	
* 18	18	18.0	0.20	45°	18.0	3	38°	1K313-1800-XB	★	★	★	★	★	18.0	84.0	-	-	-	
* 19.7	20	19.7	0.30	45°	19.7	3	38°	1K313-1970-XB	★	★	★	★	★	20.0	92.0	39.4	39.7	30°	
20.0	20	20.0	0.30	45°	20.0	3	38°	1K313-2000-XB	★	★	★	★	★	20.0	92.0				

*New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

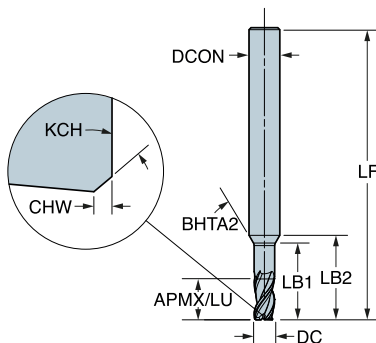
Three cutting edges

1K333 – 2xD



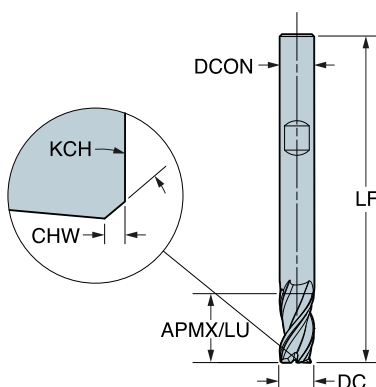
FHA
BSG
TDCD
TDCON
ZEFP

38°
COROMANT
d8
h6
3



ISO areas of application

Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
1.0	6	2.0			2.0	3	38°	1K333-0100-XA	★	★	★	★	★	6.0	50.0	5.0	9.33	30°	
1.5	6	3.0			3.0	3	38°	1K333-0150-XA	★	★	★	★	★	6.0	50.0	8.0	11.9	30°	
1.8	6	3.6			3.6	3	38°	1K333-0180-XA	★	★	★	★	★	6.0	50.0	8.0	11.6	30°	
2.0	6	4.0			4.0	3	38°	1K333-0200-XA	★	★	★	★	★	6.0	50.0	8.0	11.5	30°	
2.5	6	5.0	0.08	45°	5.0	3	38°	1K333-0250-XA	★	★	★	★	★	6.0	50.0	10.0	13.0	30°	
2.8	6	5.6	0.08	45°	5.6	3	38°	1K333-0280-XA	★	★	★	★	★	6.0	57.0	11.2	11.5	30°	
3.0	6	6.0	0.08	45°	6.0	3	38°	1K333-0300-XA	★	★	★	★	★	6.0	57.0	11.5	14.1	30°	
3.5	6	7.0	0.08	45°	7.0	3	38°	1K333-0350-XA	★	★	★	★	★	6.0	57.0	13.4	15.6	30°	
4.0	6	8.0	0.13	45°	8.0	3	38°	1K333-0400-XA	★	★	★	★	★	6.0	57.0	14.5	16.2	30°	
4.5	6	9.0	0.13	45°	9.0	3	38°	1K333-0450-XA	★	★	★	★	★	6.0	57.0	16.3	17.6	30°	
4.8	6	9.6	0.13	45°	9.6	3	38°	1K333-0480-XA	★	★	★	★	★	6.0	57.0	17.4	18.4	30°	
5.0	6	10.0	0.13	45°	10.0	3	38°	1K333-0500-XA	★	★	★	★	★	6.0	57.0	17.0	17.9	30°	
5.5	6	11.0	0.13	45°	11.0	3	38°	1K333-0550-XA	★	★	★	★	★	6.0	57.0	18.7	19.1	30°	



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
6.0	6	12.0	0.13	45°	12.0	3	38°	1K333-0600-XB	★	★	★	★	★	6.0	57.0				
6.5	8	13.0	0.13	45°	13.0	3	38°	1K333-0650-XB	★	★	★	★	★	8.0	63.0	21.5	22.7	30°	
8.0	8	16.0	0.20	45°	16.0	3	38°	1K333-0800-XB	★	★	★	★	★	8.0	63.0				
10.0	10	20.0	0.20	45°	20.0	3	38°	1K333-1000-XB	★	★	★	★	★	10.0	72.0				
12.0	12	24.0	0.20	45°	24.0	3	38°	1K333-1200-XB	★	★	★	★	★	12.0	83.0				
16.0	16	32.0	0.20	45°	32.0	3	38°	1K333-1600-XB	★	★	★	★	★	16.0	100.0				
20.0	20	40.0	0.30	45°	40.0	3	38°	1K333-2000-XB	★	★	★	★	★	20.0	114.0				

CoroMill® Dura solid carbide end mills for high cutting depths and cutting widths

Three cutting edges

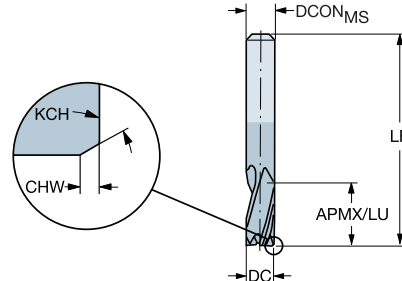
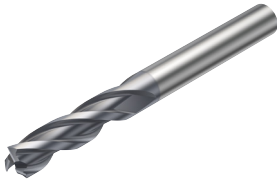
1K273 – 3-4xD

with reduced shank diameter

FHA 30°
BSG COROMANT
TCDC h10
TCDCON h6



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm		Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	
1	3	4			4	3	30°	1K273-0100-XG	★	★	★	★	★	3	38	
1.5	3	6			6	3	30°	1K273-0150-XG	★	★	★	★	★	3	38	
2	3	8			8	3	30°	1K273-0200-XG	★	★	★	★	★	3	38	
3	3	12			12	3	30°	1K273-0300-XG	★	★	★	★	★	3	38	
4	4	14			14	3	30°	1K273-0400-XG	★	★	★	★	★	4	50	
5	6	16			16	3	30°	1K273-0500-XA	★	★	★	★	★	6	57	

New – available from October 2025

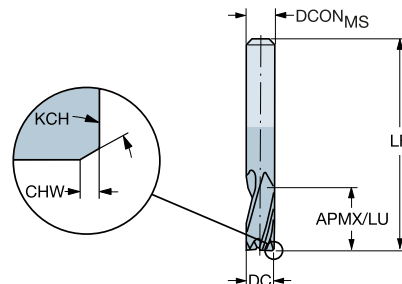
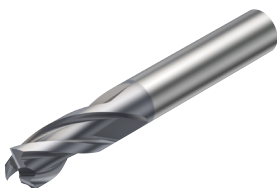
CoroMill® Dura solid carbide end mills for high cutting depths and cutting widths

Three cutting edges

1K283 – 3-5xD

with reinforced shank diameter

FHA 30°
BSG COROMANT
TCDCON h6



Metric version									P	M	K	N	S	Dimensions: mm		Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	
2	6	8.5	-	-	8.5	3	30°	1K283-0200-XA	★	★	★	★	★	6	57	
2.5	6	12.5	0.08	45°	12.5	3	30°	1K283-0250-XA	★	★	★	★	★	6	57	
3	6	12.5	0.08	45°	12.5	3	30°	1K283-0300-XA	★	★	★	★	★	6	57	
4	6	14.5	0.13	45°	14.5	3	30°	1K283-0400-XA	★	★	★	★	★	6	57	

New – available from October 2025

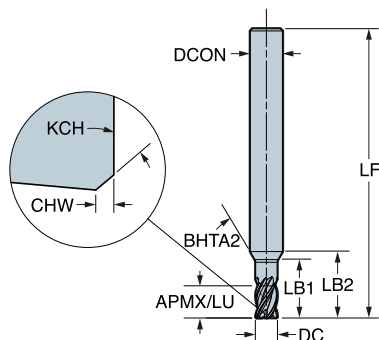
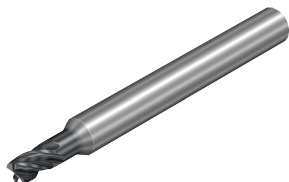
CoroMill® Dura solid carbide end mills for universal use

Four cutting edges – for keyways P9
1K324 – 1.5xD

FHA 36°
BSG COROMANT
TCDC e8
TCDCON h6
ZEFP 4



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
	2.0	6	3.0		3.0	4	36°	1K324-0200-XA	★	★	★	★	★	6.0	50.0	9.0	12.5	30°	
	3.0	6	4.5	0.08	45°	4.5	4	36°	1K324-0300-XA	★	★	★	★	★	6.0	50.0	8.0	10.6	30°
*	3.8	6	5.7	0.08	45°	5.7	4	35°	1K324-0380-XA	★	★	★	★	★	6.0	54.0	10.3	12.2	30°
	4.0	6	6.0	0.13	45°	6.0	4	35°	1K324-0400-XA	★	★	★	★	★	6.0	54.0	10.0	11.7	30°
*	4.8	6	7.2	0.13	45°	7.2	4	35°	1K324-0480-XA	★	★	★	★	★	6.0	54.0	12.5	13.6	30°
	5.0	6	7.5	0.13	45°	7.5	4	35°	1K324-0500-XA	★	★	★	★	★	6.0	54.0	13.0	13.9	30°
*	5.75	6	8.6	0.13	45°	8.6	4	35°	1K324-0575-XA	★	★	★	★	★	6.0	54.0	15.0	15.2	30°

*New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

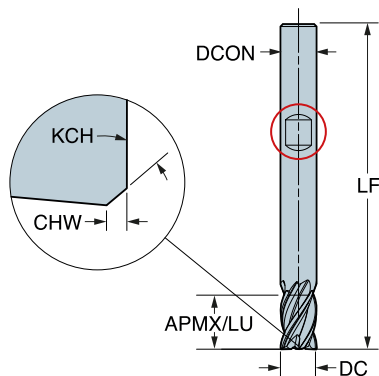
Four cutting edges – for keyways P9

1K324 – 1.5xD

FHA 35°
 BSG COROMANT
 TCDC e8
 TCDCON h6
 ZEFP 4



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
*	6.0	6	9.0	0.13	45°	9.0	4	35°	1K324-0600-XB	★	★	★	★	★	6.0	54.0			
	6.75	8	10.1	0.13	45°	10.1	4	35°	1K324-0675-XB	★	★	★	★	★	8.0	58.0	16.9	17.9	30°
*	7.75	8	11.6	0.13	45°	11.6	4	35°	1K324-0775-XB	★	★	★	★	★	8.0	58.0	19.4	19.6	30°
*	8.0	8	12.0	0.20	45°	12.0	4	35°	1K324-0800-XB	★	★	★	★	★	8.0	58.0			
	9.7	10	14.5	0.20	45°	14.5	4	35°	1K324-0970-XB	★	★	★	★	★	10.0	66.0	24.3	24.6	30°
*	10.0	10	15.0	0.20	45°	15.0	4	35°	1K324-1000-XB	★	★	★	★	★	10.0	66.0			
	11.7	12	17.5	0.20	45°	17.5	4	35°	1K324-1170-XB	★	★	★	★	★	12.0	73.0	28.7	28.9	30°
*	12.0	12	18.0	0.20	45°	18.0	4	35°	1K324-1200-XB	★	★	★	★	★	12.0	73.0			
	13.7	14	20.5	0.20	45°	20.5	4	35°	1K324-1370-XB	★	★	★	★	★	14.0	83.0	33.6	33.8	30°
*	14.0	14	21.0	0.20	45°	21.0	4	35°	1K324-1400-XB	★	★	★	★	★	14.0	83.0			
*	15.7	16	23.5	0.20	45°	23.5	4	35°	1K324-1570-XB	★	★	★	★	★	16.0	92.0	38.5	38.7	30°
*	16.0	16	24.0	0.20	45°	24.0	4	35°	1K324-1600-XB	★	★	★	★	★	16.0	92.0			
	17.7	18	26.5	0.20	45°	26.5	4	35°	1K324-1770-XB	★	★	★	★	★	18.0	92.0	42.5	42.7	30°
*	18.0	18	27.0	0.20	45°	27.0	4	35°	1K324-1800-XB	★	★	★	★	★	18.0	92.0	-	-	-
*	19.7	20	29.5	0.30	45°	29.5	4	35°	1K324-1970-XB	★	★	★	★	★	20.0	104.0	47.3	47.5	30°
*	20.0	20	30.0	0.30	45°	30.0	4	35°	1K324-2000-XB	★	★	★	★	★	20.0	104.0			
	25.0	25	37.5	0.30	45°	37.5	4	35°	1K324-2500-XB	★	★	★	★	★	25.0	114.0	-	-	-

*New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

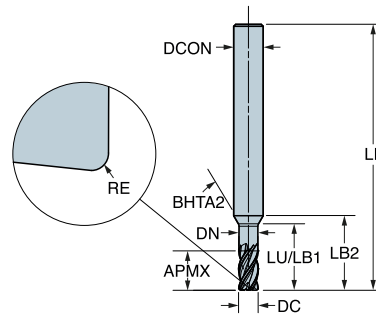
Four cutting edges

1K334 – 2xD

FHA 36°
 BSG COROMANT
 TCDC h10
 TCDCON h6
 ZEFP 4



ISO areas of application



Metric version								P	M	K	N	S	Dimensions: mm						Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	LB ₂	BHTA ₂	
2.0	6	4.0	0.20	10.0	4	36°	1K334-0200-020-XC	★	★	★	★	★	6.0	50.0	1.9	10.0	13.5	30°	
	6	4.0	0.50	10.0	4	36°	1K334-0200-050-XC	★	★	★	★	★	6.0	50.0	1.9	10.0	13.5	30°	
3.0	6	6.0	0.20	10.0	4	36°	1K334-0300-020-XC	★	★	★	★	★	6.0	50.0	2.9	10.0	12.7	30°	
	6	6.0	0.50	10.0	4	36°	1K334-0300-050-XC	★	★	★	★	★	6.0	50.0	2.9	10.0	12.7	30°	
4.0	6	8.0	0.50	13.0	4	35°	1K334-0400-050-XC	★	★	★	★	★	6.0	54.0	3.8	13.0	14.9	30°	
	6	8.0	1.00	13.0	4	35°	1K334-0400-100-XC	★	★	★	★	★	6.0	54.0	3.8	13.0	14.9	30°	
5.0	6	10.0	0.50	16.0	4	35°	1K334-0500-050-XC	★	★	★	★	★	6.0	54.0	4.8	16.0	17.0	30°	
	6	10.0	1.00	16.0	4	35°	1K334-0500-100-XC	★	★	★	★	★	6.0	54.0	4.8	16.0	17.0	30°	

CoroMill® Dura solid carbide end mills for universal use

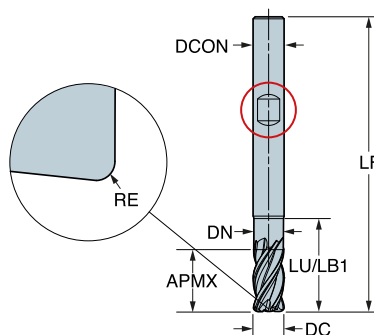
Four cutting edges

FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
h10
h6
4



ISO areas of application



Metric version							Order number	P	M	K	N	S	Dimensions: mm				Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	
6.0	6	13.0	0.50	19.0	4	35°	1K334-0600-050-XD	★	★	★	★	★	6.0	57.0	5.8	19.0	
	6	13.0	1.00	19.0	4	35°	1K334-0600-100-XD	★	★	★	★	★	6.0	57.0	5.8	19.0	
8.0	8	19.0	0.50	26.5	4	35°	1K334-0800-050-XD	★	★	★	★	★	8.0	63.0	7.7	26.5	
	8	19.0	1.00	26.5	4	35°	1K334-0800-100-XD	★	★	★	★	★	8.0	63.0	7.7	26.5	
10.0	10	22.0	0.50	31.0	4	35°	1K334-1000-050-XD	★	★	★	★	★	10.0	72.0	9.6	31.0	
	10	22.0	1.00	31.0	4	35°	1K334-1000-100-XD	★	★	★	★	★	10.0	72.0	9.6	31.0	
12.0	12	26.0	0.50	36.0	4	35°	1K334-1200-050-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
	12	26.0	1.00	36.0	4	35°	1K334-1200-100-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
16.0	16	32.0	0.50	48.0	4	35°	1K334-1600-050-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
	16	32.0	1.00	48.0	4	35°	1K334-1600-100-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
20.0	20	40.0	0.50	60.0	4	35°	1K334-2000-050-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	1.00	60.0	4	35°	1K334-2000-100-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	2.00	60.0	4	35°	1K334-2000-200-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	3.00	60.0	4	35°	1K334-2000-300-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	4.00	60.0	4	35°	1K334-2000-400-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	

CoroMill® Dura solid carbide end mills for universal use

Four cutting edges

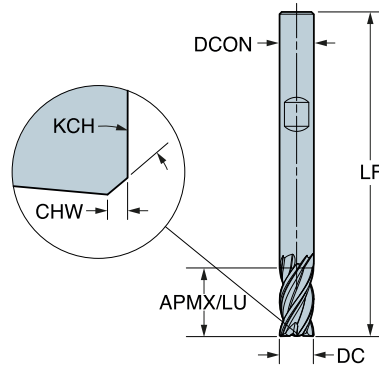
1K334 – 2xD

FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
h10
h6
4



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm		Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	
									★	★	★	★	★			
6.0	6	13.0	0.13	45°	13.0	4	35°	1K334-0600-XB	★	★	★	★	★	6.0	57.0	
8.0	8	19.0	0.20	45°	19.0	4	35°	1K334-0800-XB	★	★	★	★	★	8.0	63.0	
10.0	10	22.0	0.20	45°	22.0	4	35°	1K334-1000-XB	★	★	★	★	★	10.0	72.0	
12.0	12	26.0	0.20	45°	26.0	4	35°	1K334-1200-XB	★	★	★	★	★	12.0	83.0	
16.0	16	32.0	0.20	45°	32.0	4	35°	1K334-1600-XB	★	★	★	★	★	16.0	100.0	
20.0	20	40.0	0.30	45°	40.0	4	35°	1K334-2000-XB	★	★	★	★	★	20.0	114.0	

CoroMill® Dura solid carbide end mills for universal use

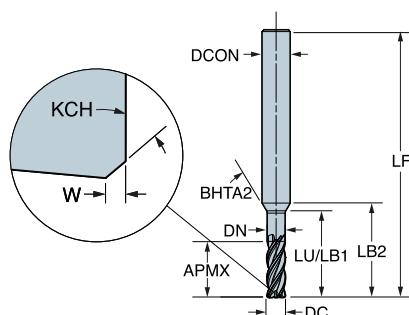
Four cutting edges – for milling keyways P9

1K344 > 2xD

FHA 35°
 BSG COROMANT
 TCDC e8
 TCDCON h6
 ZEFP 4



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	BHTA ₂	
2	6	4.5	-	45°	9	4	35°	1K344-0200-XC	★	★	★	★	★	6	50	1.9	9	30°	
3	6	7	0.08	45°	11	4	35°	1K344-0300-XC	★	★	★	★	★	6	50	2.8	11	30°	
4	6	9	0.08	45°	13.5	4	35°	1K344-0400-XC	★	★	★	★	★	6	54	3.8	13.5	30°	
4.5	6	10	0.13	45°	15	4	35°	1K344-0450-XC	★	★	★	★	★	6	54	4.3	15	30°	
5	6	11	0.13	45°	16.5	4	35°	1K344-0500-XC	★	★	★	★	★	6	54	4.8	16.5	30°	
5.5	6	12	0.13	45°	18.5	4	35°	1K344-0550-XC	★	★	★	★	★	6	57	5.2	18.5	30°	

New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

Four cutting edges – for milling keyways P9

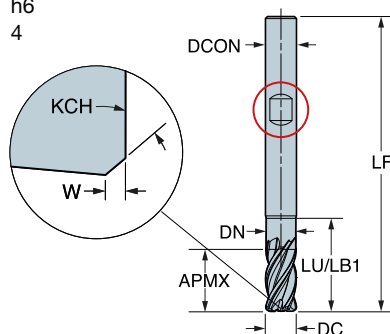
1K344 > 2xD

FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
e8
h6
4



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	BHTA ₂	
6.0	6	15.0	0.13	45°	20.5	4	35°	1K344-0600-XD	★	★	★	★	★	6.0	57.0	5.8	20.5	30°	
6.5	8	15.0	0.13	45°	22.0	4	35°	1K344-0650-XD	★	★	★	★	★	8.0	63.0	6.2	22.0	30°	
7.0	8	15.0	0.13	45°	22.0	4	35°	1K344-0700-XD	★	★	★	★	★	8.0	63.0	6.7	22.0	30°	
8.0	8	19.5	0.20	45°	26.7	4	35°	1K344-0800-XD	★	★	★	★	★	8.0	63.0	7.7	26.7	30°	
9.0	10	19.5	0.20	45°	29.0	4	35°	1K344-0900-XD	★	★	★	★	★	10	72.0	8.6	29.0	30°	
10.0	10	23.0	0.20	45°	31.5	4	35°	1K344-1000-XD	★	★	★	★	★	10.0	72.0	9.6	31.5	30°	
11.0	12	23.0	0.20	45°	34.0	4	35°	1K344-1100-XD	★	★	★	★	★	12.0	83.0	10.5	34.0	30°	
12.0	12	27.0	0.20	45°	37.5	4	35°	1K344-1200-XD	★	★	★	★	★	12.0	83.0	11.5	37.5	30°	
13.0	14	28.0	0.20	45°	41.0	4	35°	1K344-1300-XD	★	★	★	★	★	14.0	92.0	12.4	41.0	30°	
14.0	14	30.0	0.20	45°	42.0	4	35°	1K344-1400-XD	★	★	★	★	★	14.0	92.0	13.4	42.0	30°	
15.0	16	32.0	0.20	45°	47.0	4	35°	1K344-1500-XD	★	★	★	★	★	16.0	100.0	14.4	47.0	30°	
16.0	16	36.0	0.20	45°	48.8	4	35°	1K344-1600-XD	★	★	★	★	★	16.0	100.0	15.4	48.8	30°	
18.0	18	38.0	0.20	45°	54.0	4	35°	1K344-1800-XD	★	★	★	★	★	18.0	104.0	17.2	54.0	30°	
20.0	20	41.0	0.30	45°	56.0	4	35°	1K344-2000-XD	★	★	★	★	★	20.0	111.0	19.2	56.0	30°	
25.0	25	52.0	0.30	45°	75.0	4	35°	1K344-2500-XD	★	★	★	★	★	25.0	135.0	24.0	75.0	30°	

*New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

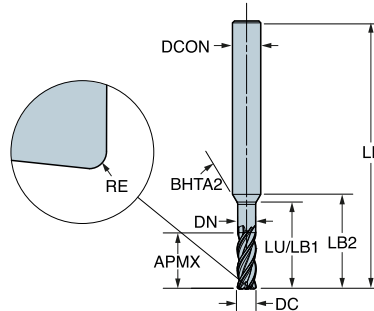
Four cutting edges – with chip breaker
from DC 6 mm
1K354 – 3xD

FHA
BSG
TCDC
TCDCON
ZEFP

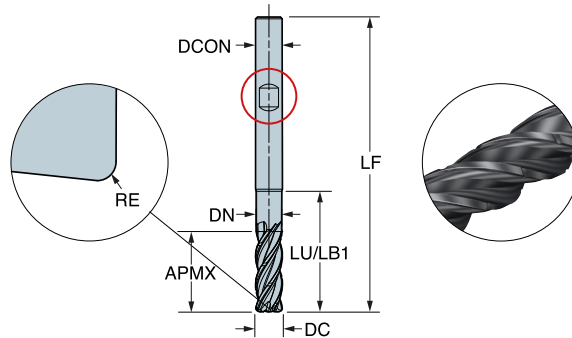
36°
COROMANT
h10
h6
4



ISO areas of application



Metric version								P	M	K	N	S	Dimensions: mm						Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	LB ₂	BHTA ₂	
2.0	6	6.0	0.20	12.0	4	36°	1K354-0200-020-XC	★	★	★	★	★	6.0	57.0	1.9	12.0	15.5	30°	
	6	6.0	0.50	12.0	4	36°	1K354-0200-050-XC	★	★	★	★	★	6.0	57.0	1.9	12.0	15.5	30°	
3.0	6	9.0	0.20	13.5	4	36°	1K354-0300-020-XC	★	★	★	★	★	6.0	57.0	2.9	13.5	16.2	30°	
	6	9.0	0.50	13.5	4	36°	1K354-0300-050-XC	★	★	★	★	★	6.0	57.0	2.9	13.5	16.2	30°	
3.5	6	9.0	0.20	15.8	4	35°	1K354-0350-020-XC	★	★	★	★	★	6.0	57.0	3.4	15.8	18.0	30°	
	6	12.0	0.20	18.0	4	35°	1K354-0400-020-XC	★	★	★	★	★	6.0	57.0	3.8	18.0	19.9	30°	
4.0	6	12.0	0.50	18.0	4	35°	1K354-0400-050-XC	★	★	★	★	★	6.0	57.0	3.8	18.0	19.9	30°	
	6	15.0	0.50	22.5	4	35°	1K354-0500-050-XC	★	★	★	★	★	6.0	66.0	4.8	22.5	23.5	30°	
5.0	6	15.0	1.00	22.5	4	35°	1K354-0500-100-XC	★	★	★	★	★	6.0	66.0	4.8	22.5	23.5	30°	
	6	15.0	1.00	22.5	4	35°	1K354-0500-100-XC	★	★	★	★	★	6.0	66.0	4.8	22.5	23.5	30°	



Metric version								P	M	K	N	S	Dimensions: mm				Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	
6.0	6	18.0	0.50	27.0	4	35°	1K354-0600-050-XD	★	★	★	★	★	6.0	66.0	5.8	27.0	
	6	18.0	1.00	27.0	4	35°	1K354-0600-100-XD	★	★	★	★	★	6.0	66.0	5.8	27.0	
8.0	8	24.0	0.50	36.0	4	35°	1K354-0800-050-XD	★	★	★	★	★	8.0	73.0	7.7	36.0	
	8	24.0	1.00	36.0	4	35°	1K354-0800-100-XD	★	★	★	★	★	8.0	73.0	7.7	36.0	
8.0	8	24.0	2.00	36.0	4	35°	1K354-0800-200-XD	★	★	★	★	★	8.0	73.0	7.7	36.0	
	10	30.0	0.50	45.0	4	35°	1K354-1000-050-XD	★	★	★	★	★	10.0	87.0	9.6	45.0	
10.0	10	30.0	1.00	45.0	4	35°	1K354-1000-100-XD	★	★	★	★	★	10.0	87.0	9.6	45.0	
	10	30.0	2.00	45.0	4	35°	1K354-1000-200-XD	★	★	★	★	★	10.0	87.0	9.6	45.0	
12.0	12	36.0	1.00	54.0	4	35°	1K354-1200-100-XD	★	★	★	★	★	12.0	104.0	11.5	54.0	
	12	36.0	2.00	54.0	4	35°	1K354-1200-200-XD	★	★	★	★	★	12.0	104.0	11.5	54.0	
12.0	12	36.0	3.00	54.0	4	35°	1K354-1200-300-XD	★	★	★	★	★	12.0	104.0	11.5	54.0	
	16	48.0	1.00	72.0	4	35°	1K354-1600-100-XD	★	★	★	★	★	16.0	126.0	15.4	72.0	
16.0	16	48.0	2.00	72.0	4	35°	1K354-1600-200-XD	★	★	★	★	★	16.0	126.0	15.4	72.0	
	16	48.0	3.00	72.0	4	35°	1K354-1600-300-XD	★	★	★	★	★	16.0	126.0	15.4	72.0	
20.0	20	60.0	2.50	90.0	4	35°	1K354-2000-250-XD	★	★	★	★	★	20.0	142.0	19.2	90.0	
	20	60.0	3.00	90.0	4	35°	1K354-2000-300-XD	★	★	★	★	★	20.0	142.0	19.2	90.0	
20.0	20	60.0	4.00	90.0	4	35°	1K354-2000-400-XD	★	★	★	★	★	20.0	142.0	19.2	90.0	
	20	60.0	4.00	90.0	4	35°	1K354-2000-400-XD	★	★	★	★	★	20.0	142.0	19.2	90.0	

CoroMill® Dura solid carbide end mills for universal use

Four cutting edges

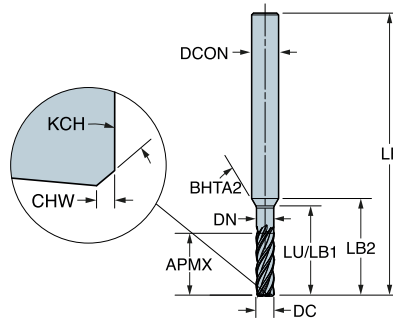
1k354 - 3XD

FHA
BSG
TCDC
TCDCON
ZEFP

36°
COROMANT
h10
h6
4



ISO areas of application

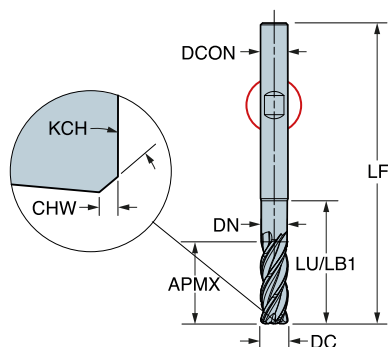


Metric version						Order number	P	M	K	N	S	Dimensions: mm						Discount group 732
DC	CHW	APMX	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	LB ₂	BHTA ₂	
6	0.13	18	27	4	36°	1K354-0600 XD	★	★	★	★	★	6	66	5.7	27	27.2	30°	
7	0.13	21	28	4	36°	1K354-0700 XD	★	★	★	★	★	8	73	6.7	28	29.2	30°	
8	0.2	24	36	4	36°	1K354-0800 XD	★	★	★	★	★	8	73	7.6	36	36.3	30°	
10	0.2	30	45	4	36°	1K354-1000 XD	★	★	★	★	★	10	87	9.6	45	45.3	30°	
12	0.2	36	54	4	36°	1K354-1200 XD	★	★	★	★	★	12	104	11.5	54	54.4	30°	
14	0.2	42	55.3	4	36°	1K354-1400 XD	★	★	★	★	★	14	106	13.4	55	55.8	30°	
16	0.2	48	72	4	36°	1K354-1600 XD	★	★	★	★	★	16	126	15.3	72	72.6	30°	
20	0.3	60	90	4	36°	1K354-2000 XD	★	★	★	★	★	20	142	19.2	90	90.7	30°	

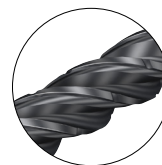
New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

Four cutting edges with chip breaker
1K374 – 4xD



ISO areas of application



Metric version							Order number	P	M	K	N	S	Dimensions: mm			Discount group 732
DC	CZC _{MS}	APMX	CHW	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	
6.0	6.0	24.0	0.13	24.0	4	36°	1K374-0600-XB	★	★	★	★	★	6.0	66.0	24.0	
8.0	8.0	32.0	0.20	32.0	4	36°	1K374-0800-XB	★	★	★	★	★	8.0	77.0	32.0	
10.0	10.0	40.0	0.20	40.0	4	36°	1K374-1000-XB	★	★	★	★	★	10.0	91.0	40.0	
12.0	12.0	48.0	0.20	48.0	4	36°	1K374-1200-XB	★	★	★	★	★	12.0	104.0	48.0	
16.0	16.0	64.0	0.20	64.0	4	36°	1K374-1600-XB	★	★	★	★	★	16.0	126.0	64.0	
20.0	20.0	80.0	0.30	80.0	4	36°	1K374-2000-XB	★	★	★	★	★	18.0	149.0	80.0	

New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

Five cutting edges

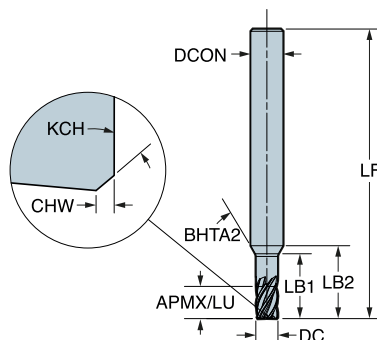
1K325 – 1.5xD

FHA
BSG
TCDC
TCDCON
ZEFP

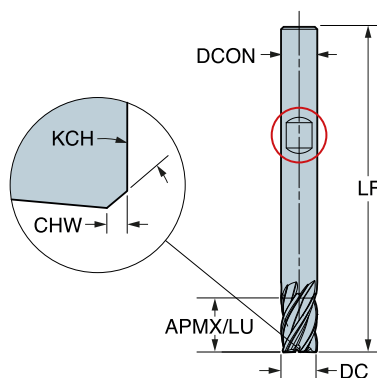
36°
COROMANT
h10
h6
5



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	LB ₁	LB ₂	BHTA ₂	
3.0	6	4.5	0.08	45°	4.5	5	36°	1K325-0300-XA	★	★	★	★	★	6.0	50.0	8.7	11.3	30°	
4.0	6	6.0	0.13	45°	6.0	5	36°	1K325-0400-XA	★	★	★	★	★	6.0	54.0	11.6	13.3	30°	
5.0	6	7.5	0.13	45°	7.5	5	36°	1K325-0500-XA	★	★	★	★	★	6.0	54.0	14.5	15.4	30°	



Metric version									P	M	K	N	S	Dimensions: mm		Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	
6.0	6	9.0	0.13	45°	9.0	5	36°	1K325-0600-XB	★	★	★	★	★	6.0	54.0	
8.0	8	12.0	0.20	45°	12.0	5	36°	1K325-0800-XB	★	★	★	★	★	8.0	58.0	
10.0	10	15.0	0.20	45°	15.0	5	36°	1K325-1000-XB	★	★	★	★	★	10.0	66.0	
12.0	12	18.0	0.20	45°	18.0	5	36°	1K325-1200-XB	★	★	★	★	★	12.0	73.0	
16.0	16	24.0	0.20	45°	24.0	5	36°	1K325-1600-XB	★	★	★	★	★	16.0	82.0	
20.0	20	30.0	0.30	45°	30.0	5	36°	1K325-2000-XB	★	★	★	★	★	20.0	92.0	

CoroMill® Dura solid carbide end mills for universal use

Five cutting edges

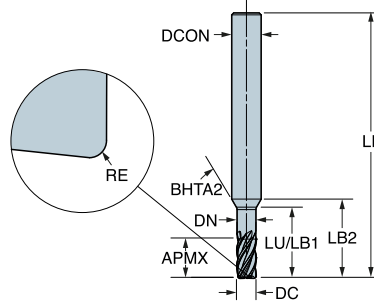
1K335 – 2xD

FHA
BSG
TCDC
TCDCON
ZEFP

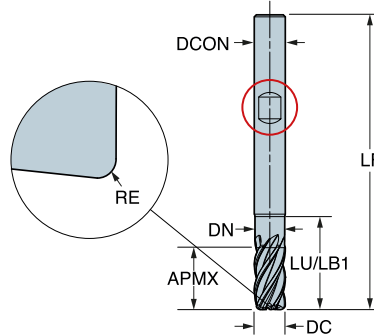
36°
COROMANT
h10
h6
5



ISO areas of application



Metric version								P	M	K	N	S	Dimensions: mm						Discount group 732
								1730	1730	1730	1730	1730							
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA	Order number						DCON _{MS}	LF	DN	LB ₁	LB ₂	BHTA ₂	
3.0	6	6.0	0.20	10.5	5	36°	1K335-0300-020-XC	★	★	★	★	★	6.0	50.0	2.9	10.5	13.2	30°	
	6	6.0	0.50	10.5	5	36°	1K335-0300-050-XC	★	★	★	★	★	6.0	50.0	2.9	10.5	13.2	30°	
4.0	6	8.0	0.20	14.0	5	36°	1K335-0400-020-XC	★	★	★	★	★	6.0	54.0	3.8	14.0	15.9	30°	
	6	8.0	0.50	14.0	5	36°	1K335-0400-050-XC	★	★	★	★	★	6.0	54.0	3.8	14.0	15.9	30°	
5.0	6	10.0	0.50	17.5	5	36°	1K335-0500-050-XC	★	★	★	★	★	6.0	57.0	4.8	17.5	18.5	30°	
	6	10.0	1.00	17.5	5	36°	1K335-0500-100-XC	★	★	★	★	★	6.0	57.0	4.8	17.5	18.5	30°	



Metric version								P	M	K	N	S	Dimensions: mm				Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	
6.0	6	12.0	0.50	18.0	5	36°	1K335-0600-050-XD	★	★	★	★	★	6.0	57.0	5.8	18.0	
	6	12.0	1.00	18.0	5	36°	1K335-0600-100-XD	★	★	★	★	★	6.0	57.0	5.8	18.0	
8.0	8	16.0	0.50	24.0	5	36°	1K335-0800-050-XD	★	★	★	★	★	8.0	63.0	7.7	24.0	
	8	16.0	1.00	24.0	5	36°	1K335-0800-100-XD	★	★	★	★	★	8.0	63.0	7.7	24.0	
	8	16.0	2.00	24.0	5	36°	1K335-0800-200-XD	★	★	★	★	★	8.0	63.0	7.7	24.0	
	10	20.0	0.50	30.0	5	36°	1K335-1000-050-XD	★	★	★	★	★	10.0	72.0	9.6	30.0	
	10	20.0	1.00	30.0	5	36°	1K335-1000-100-XD	★	★	★	★	★	10.0	72.0	9.6	30.0	
	10	20.0	2.00	30.0	5	36°	1K335-1000-200-XD	★	★	★	★	★	10.0	72.0	9.6	30.0	
12.0	12	24.0	0.50	36.0	5	36°	1K335-1200-050-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
	12	24.0	1.00	36.0	5	36°	1K335-1200-100-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
	12	24.0	2.00	36.0	5	36°	1K335-1200-200-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
	12	24.0	3.00	36.0	5	36°	1K335-1200-300-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
16.0	16	32.0	0.50	48.0	5	36°	1K335-1600-050-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
	16	32.0	1.00	48.0	5	36°	1K335-1600-100-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
	16	32.0	2.00	48.0	5	36°	1K335-1600-200-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
	16	32.0	3.00	48.0	5	36°	1K335-1600-300-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
20.0	20	40.0	0.50	60.0	5	36°	1K335-2000-050-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	1.00	60.0	5	36°	1K335-2000-100-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	2.00	60.0	5	36°	1K335-2000-200-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	3.00	60.0	5	36°	1K335-2000-300-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	4.00	60.0	5	36°	1K335-2000-400-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	

CoroMill® Dura solid carbide end mills for universal use

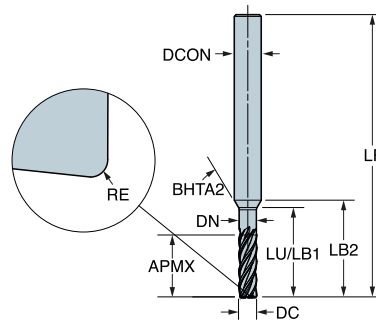
Five cutting edges
1K365 – 3.5xD

FHA
BSG
TCDC
TCDCON
ZEFP

36°
COROMANT
h10
h6
5



ISO areas of application



Metric version								P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	LB ₂	
3.0	6	10.5	0.20	14.7	5	36°	1K365-0300-020-XC	★	★	★	★	★	6.0	57.0	2.9	14.7	17.4	30°
	6	10.5	0.50	14.7	5	36°	1K365-0300-050-XC	★	★	★	★	★	6.0	57.0	2.9	14.7	17.4	30°
4.0	6	14.0	0.20	19.6	5	36°	1K365-0400-020-XC	★	★	★	★	★	6.0	63.0	3.8	19.6	21.5	30°
	6	14.0	0.50	19.6	5	36°	1K365-0400-050-XC	★	★	★	★	★	6.0	63.0	3.8	19.6	21.5	30°
5.0	6	17.5	0.50	24.5	5	36°	1K365-0500-050-XC	★	★	★	★	★	6.0	66.0	4.8	24.5	25.5	30°
	6	17.5	1.00	24.5	5	36°	1K365-0500-100-XC	★	★	★	★	★	6.0	66.0	4.8	24.5	25.5	30°

CoroMill® Dura solid carbide end mills for universal use

Five cutting edges – with chip breaker

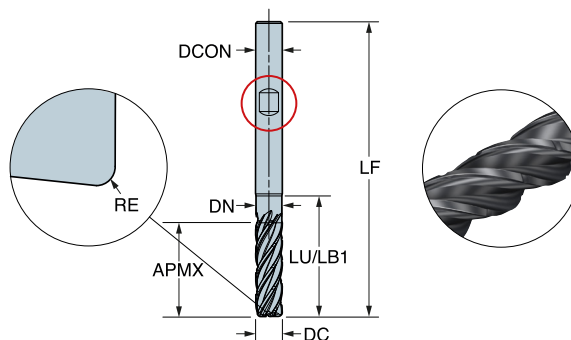
1K365 – 3.5xD

FHA
BSG
TCDC
TCDCON
ZEFP

36°
COROMANT
h10
h6
5



ISO areas of application



Metric version								P	M	K	N	S	Dimensions: mm				Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	
6.0	6	21.0	0.50	27.0	5	36°	1K365-0600-050-XD	★	★	★	★	★	6.0	66.0	5.8	27.0	
	6	21.0	1.00	27.0	5	36°	1K365-0600-100-XD	★	★	★	★	★	6.0	66.0	5.8	27.0	
8.0	8	28.0	0.50	36.0	5	36°	1K365-0800-050-XD	★	★	★	★	★	8.0	73.0	7.7	36.0	
	8	28.0	1.00	36.0	5	36°	1K365-0800-100-XD	★	★	★	★	★	8.0	73.0	7.7	36.0	
10.0	10	35.0	0.50	45.0	5	36°	1K365-1000-050-XD	★	★	★	★	★	10.0	87.0	9.6	45.0	
	10	35.0	1.00	45.0	5	36°	1K365-1000-100-XD	★	★	★	★	★	10.0	87.0	9.6	45.0	
12.0	12	42.0	1.00	54.0	5	36°	1K365-1200-100-XD	★	★	★	★	★	12.0	104.0	11.5	54.0	
	12	42.0	2.00	54.0	5	36°	1K365-1200-200-XD	★	★	★	★	★	12.0	104.0	11.5	54.0	
16.0	16	56.0	1.00	72.0	5	36°	1K365-1600-100-XD	★	★	★	★	★	16.0	126.0	15.4	72.0	
	16	56.0	2.00	72.0	5	36°	1K365-1600-200-XD	★	★	★	★	★	16.0	126.0	15.4	72.0	
20.0	20	70.0	1.00	90.0	5	36°	1K365-2000-100-XD	★	★	★	★	★	20.0	142.0	19.2	90.0	
	20	70.0	2.00	90.0	5	36°	1K365-2000-200-XD	★	★	★	★	★	20.0	142.0	19.2	90.0	
20.0	20	70.0	3.00	90.0	5	36°	1K365-2000-300-XD	★	★	★	★	★	20.0	142.0	19.2	90.0	
	20	70.0	4.00	90.0	5	36°	1K365-2000-400-XD	★	★	★	★	★	20.0	142.0	19.2	90.0	

CoroMill® Dura solid carbide end mills for universal use

Five cutting edges – without chip breaker

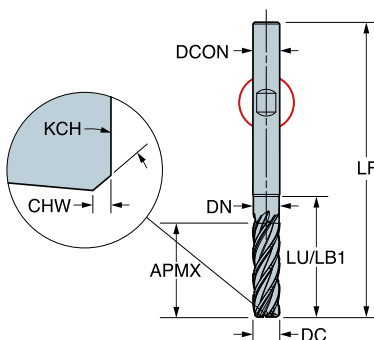
1K365 – 3.5xD

FHA
BSG
TCDC
TCDCON

36°
COROMANT
h10
h6



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm					Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB _y	BHTA ₂	
3	6	10.5	0.08	45	14.7	5	36°	1K365-0300 XD	★	★	★	★	★	6	57	2.8	14.7	30°	
4	6	14	0.13	45	19.6	5	36°	1K365-0400 XD	★	★	★	★	★	6	63	3.8	19.6	30°	
5	6	17.5	0.13	45	24.5	5	36°	1K365-0500 XD	★	★	★	★	★	6	66	4.8	24.5	30°	

New – available from October 2025

CoroMill® Dura solid carbide end mills for universal use

Five cutting edges – with chip breaker

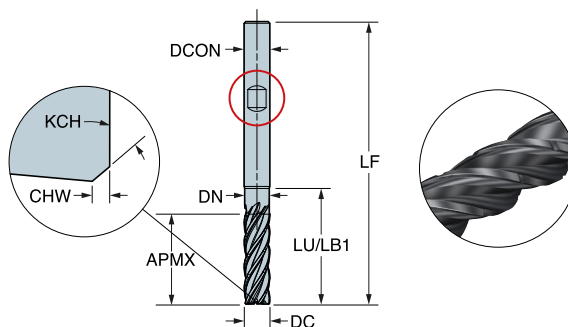
1K365 – 3.5xD

FHA
BSG
TCDC
TCDCON
ZEFP

36°
COROMANT
h10
h6
5



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm				Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB _y	
6.0	6	21.0	0.13	45°	27.0	5	36°	1K365-0600-XD	★	★	★	★	★	6.0	66.0	5.8	27.0	
8.0	8	28.0	0.20	45°	36.0	5	36°	1K365-0800-XD	★	★	★	★	★	8.0	73.0	7.7	36.0	
10.0	10	35.0	0.20	45°	45.0	5	36°	1K365-1000-XD	★	★	★	★	★	10.0	87.0	9.6	45.0	
12.0	12	42.0	0.20	45°	54.0	5	36°	1K365-1200-XD	★	★	★	★	★	12.0	104.0	11.5	54.0	
16.0	16	56.0	0.20	45°	72.0	5	36°	1K365-1600-XD	★	★	★	★	★	16.0	126.0	15.4	72.0	
20.0	20	70.0	0.30	45°	90.0	5	36°	1K365-2000-XD	★	★	★	★	★	20.0	142.0	19.2	90.0	

CoroMill® Dura solid carbide end mills for universal use

Seven cutting edges

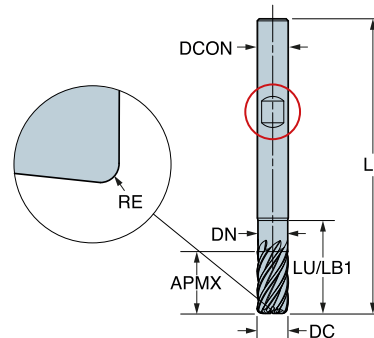
1K337 – 2xD

FHA
BSG
TCDC
TCDCON
ZEFP

37°
COROMANT
h10
h6
7



ISO areas of application



Metric version							Order number	P	M	K	N	S	Dimensions: mm				Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	
6.0	6	12.0	0.50	18.0	7	37°	1K337-0600-050-XD	★	★	★	★	★	6.0	57.0	5.8	18.0	
	6	12.0	1.00	18.0	7	37°	1K337-0600-100-XD	★	★	★	★	★	6.0	57.0	5.8	18.0	
8.0	8	16.0	0.50	24.0	7	37°	1K337-0800-050-XD	★	★	★	★	★	8.0	63.0	7.7	24.0	
	8	16.0	1.00	24.0	7	37°	1K337-0800-100-XD	★	★	★	★	★	8.0	63.0	7.7	24.0	
	8	16.0	2.00	24.0	7	37°	1K337-0800-200-XD	★	★	★	★	★	8.0	63.0	7.7	24.0	
10.0	10	20.0	0.50	30.0	7	37°	1K337-1000-050-XD	★	★	★	★	★	10.0	72.0	9.6	30.0	
	10	20.0	1.00	30.0	7	37°	1K337-1000-100-XD	★	★	★	★	★	10.0	72.0	9.6	30.0	
	10	20.0	2.00	30.0	7	37°	1K337-1000-200-XD	★	★	★	★	★	10.0	72.0	9.6	30.0	
12.0	12	24.0	0.50	36.0	7	37°	1K337-1200-050-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
	12	24.0	1.00	36.0	7	37°	1K337-1200-100-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
	12	24.0	2.00	36.0	7	37°	1K337-1200-200-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
	12	24.0	3.00	36.0	7	37°	1K337-1200-300-XD	★	★	★	★	★	12.0	83.0	11.5	36.0	
16.0	16	32.0	0.50	48.0	7	37°	1K337-1600-050-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
	16	32.0	1.00	48.0	7	37°	1K337-1600-100-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
	16	32.0	2.00	48.0	7	37°	1K337-1600-200-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
	16	32.0	3.00	48.0	7	37°	1K337-1600-300-XD	★	★	★	★	★	16.0	100.0	15.4	48.0	
20.0	20	40.0	0.50	60.0	7	37°	1K337-2000-050-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	1.00	60.0	7	37°	1K337-2000-100-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	2.00	60.0	7	37°	1K337-2000-200-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	3.00	60.0	7	37°	1K337-2000-300-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
	20	40.0	4.00	60.0	7	37°	1K337-2000-400-XD	★	★	★	★	★	20.0	114.0	19.2	60.0	
25.0	25	50.0	1.00	75.0	7	37°	1K337-2500-100-XD	★	★	★	★	★	25.0	135.0	24.0	75.0	
	25	50.0	2.00	75.0	7	37°	1K337-2500-200-XD	★	★	★	★	★	25.0	135.0	24.0	75.0	
	25	50.0	3.00	75.0	7	37°	1K337-2500-300-XD	★	★	★	★	★	25.0	135.0	24.0	75.0	
	25	50.0	4.00	75.0	7	37°	1K337-2500-400-XD	★	★	★	★	★	25.0	135.0	24.0	75.0	

CoroMill® Dura solid carbide end mills for universal use

Seven cutting edges – with chip breaker

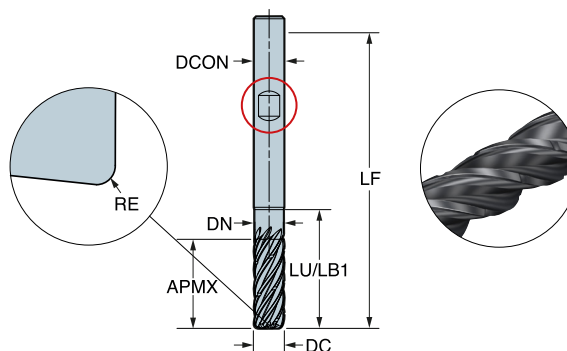
1K357 – 3xD

FHA
BSG
TCDC
TCDCON
ZEFP

37°
COROMANT
h10
h6
7



ISO areas of application



Metric version								P	M	K	N	S	Dimensions: mm				Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	
6.0	6	18.0	0.50	24.0	7	37°	1K357-0600-050-XD	★	★	★	★	★	6.0	63.0	5.8	24.0	
	6	18.0	1.00	24.0	7	37°	1K357-0600-100-XD	★	★	★	★	★	6.0	63.0	5.8	24.0	
8.0	8	24.0	0.50	32.0	7	37°	1K357-0800-050-XD	★	★	★	★	★	8.0	73.0	7.7	32.0	
	8	24.0	1.00	32.0	7	37°	1K357-0800-100-XD	★	★	★	★	★	8.0	73.0	7.7	32.0	
	8	24.0	2.00	32.0	7	37°	1K357-0800-200-XD	★	★	★	★	★	8.0	73.0	7.7	32.0	
10.0	10	30.0	0.50	40.0	7	37°	1K357-1000-050-XD	★	★	★	★	★	10.0	82.0	9.6	40.0	
	10	30.0	1.00	40.0	7	37°	1K357-1000-100-XD	★	★	★	★	★	10.0	82.0	9.6	40.0	
	10	30.0	2.00	40.0	7	37°	1K357-1000-200-XD	★	★	★	★	★	10.0	82.0	9.6	40.0	
12.0	12	36.0	1.00	48.0	7	37°	1K357-1200-100-XD	★	★	★	★	★	12.0	97.0	11.5	48.0	
	12	36.0	2.00	48.0	7	37°	1K357-1200-200-XD	★	★	★	★	★	12.0	97.0	11.5	48.0	
	12	36.0	3.00	48.0	7	37°	1K357-1200-300-XD	★	★	★	★	★	12.0	97.0	11.5	48.0	
16.0	16	48.0	1.50	64.0	7	37°	1K357-1600-150-XD	★	★	★	★	★	16.0	115.0	15.4	64.0	
	16	48.0	2.00	64.0	7	37°	1K357-1600-200-XD	★	★	★	★	★	16.0	115.0	15.4	64.0	
	16	48.0	3.00	64.0	7	37°	1K357-1600-300-XD	★	★	★	★	★	16.0	115.0	15.4	64.0	
20.0	20	60.0	2.50	80.0	7	37°	1K357-2000-250-XD	★	★	★	★	★	20.0	135.0	19.2	80.0	
	20	60.0	3.00	80.0	7	37°	1K357-2000-300-XD	★	★	★	★	★	20.0	135.0	19.2	80.0	
	20	60.0	4.00	80.0	7	37°	1K357-2000-400-XD	★	★	★	★	★	20.0	135.0	19.2	80.0	
25.0	25	75.0	2.00	100.0	7	37°	1K357-2500-200-XD	★	★	★	★	★	25.0	162.0	24.0	100.0	
	25	75.0	4.00	100.0	7	37°	1K357-2500-400-XD	★	★	★	★	★	25.0	162.0	24.0	100.0	
	25	75.0	6.00	100.0	7	37°	1K357-2500-600-XD	★	★	★	★	★	25.0	162.0	24.0	100.0	

CoroMill® Dura solid carbide end mills for universal use

Seven cutting edges – with chip breaker

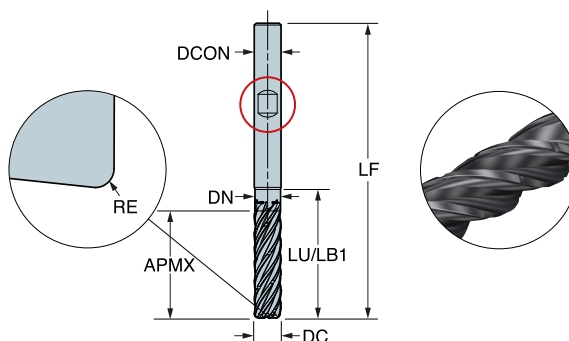
1K377 – 4xD

FHA
BSG
TCDC
TCDCON
ZEFP

37°
COROMANT
h10
h6
7



ISO areas of application



Metric version								P	M	K	N	S	Dimensions: mm				Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	
6.0	6	24.0	0.50	28.8	7	37°	1K377-0600-050-XD	★	★	★	★	★	6.0	66.0	5.8	28.8	
	6	24.0	1.00	28.8	7	37°	1K377-0600-100-XD	★	★	★	★	★	6.0	66.0	5.8	28.8	
8.0	8	32.0	0.50	38.4	7	37°	1K377-0800-050-XD	★	★	★	★	★	8.0	77.0	7.7	38.4	
	8	32.0	1.00	38.4	7	37°	1K377-0800-100-XD	★	★	★	★	★	8.0	77.0	7.7	38.4	
	8	32.0	2.00	38.4	7	37°	1K377-0800-200-XD	★	★	★	★	★	8.0	77.0	7.7	38.4	
10.0	10	40.0	1.00	48.0	7	37°	1K377-1000-100-XD	★	★	★	★	★	10.0	91.0	9.6	48.0	
	10	40.0	2.00	48.0	7	37°	1K377-1000-200-XD	★	★	★	★	★	10.0	91.0	9.6	48.0	
	10	40.0	3.00	48.0	7	37°	1K377-1000-300-XD	★	★	★	★	★	10.0	91.0	9.6	48.0	
12.0	12	48.0	1.00	57.6	7	37°	1K377-1200-100-XD	★	★	★	★	★	12.0	104.0	11.5	57.6	
	12	48.0	2.50	57.6	7	37°	1K377-1200-250-XD	★	★	★	★	★	12.0	104.0	11.5	57.6	
	12	48.0	4.00	57.6	7	37°	1K377-1200-400-XD	★	★	★	★	★	12.0	104.0	11.5	57.6	
16.0	16	64.0	2.00	76.8	7	37°	1K377-1600-200-XD	★	★	★	★	★	16.0	126.0	15.4	76.8	
	16	64.0	3.00	76.8	7	37°	1K377-1600-300-XD	★	★	★	★	★	16.0	126.0	15.4	76.8	
	16	64.0	4.00	76.8	7	37°	1K377-1600-400-XD	★	★	★	★	★	16.0	126.0	15.4	76.8	
20.0	20	80.0	3.00	96.0	7	37°	1K377-2000-300-XD	★	★	★	★	★	20.0	149.0	19.2	96.0	
	20	80.0	4.00	96.0	7	37°	1K377-2000-400-XD	★	★	★	★	★	20.0	149.0	19.2	96.0	
	20	80.0	6.00	96.0	7	37°	1K377-2000-600-XD	★	★	★	★	★	20.0	149.0	19.2	96.0	
25.0	25	100.0	3.00	120.0	7	37°	1K377-2500-300-XD	★	★	★	★	★	25.0	180.0	24.0	120.0	
	25	100.0	4.00	120.0	7	37°	1K377-2500-400-XD	★	★	★	★	★	25.0	180.0	24.0	120.0	
	25	100.0	6.00	120.0	7	37°	1K377-2500-600-XD	★	★	★	★	★	25.0	180.0	24.0	120.0	

CoroMill® Dura solid carbide end mills for universal use

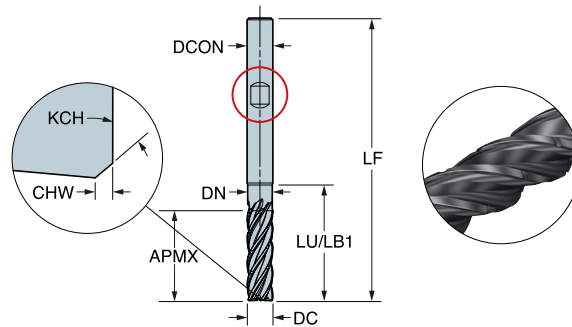
Seven cutting edges – with chip breaker
1K377 – 4xD

FHA
BSG
TCDC
TCDCON
ZEFP

36°
COROMANT
h10
h6
5



ISO areas of application



Metric version									P	M	K	N	S	Dimensions: mm				Discount group 732
DC	CZC _{MS}	APMX	CHW	KCH	LU	ZEFP	FHA	Order number	1730	1730	1730	1730	1730	DCON _{MS}	LF	DN	LB ₁	
									★	★	★	★	★					
6		24	0.13	45°	28.8	7	37°	1K377-0600-XD	★	★	★	★	★	6	66	5.7	28.8	
8		32	0.2	45°	38.4	7	37°	1K377-0800-XD	★	★	★	★	★	8	77	7.6	38.4	
10		40	0.2	45°	48.0	7	37°	1K377-1000-XD	★	★	★	★	★	10	91	9.6	48.0	
12		48	0.2	45°	57.6	7	37°	1K377-1200-XD	★	★	★	★	★	12	104	11.5	57.6	
16		64	0.2	45°	76.8	7	37°	1K377-1600-XD	★	★	★	★	★	16	126	15.3	76.8	
20		80	0.3	45°	96.0	7	37°	1K377-2000-XD	★	★	★	★	★	20	149	19.2	96.0	
25		100	0.3	45°	120.0	7	37°	1K377-2500-XD	★	★	★	★	★	25	180	24.0	120.0	

New – available from October 2025

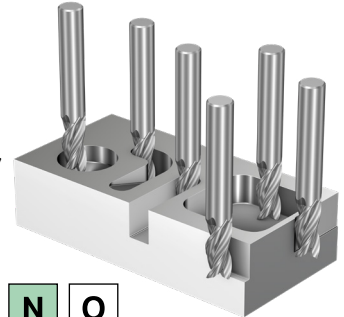
Efficient and versatile end mills for aluminium

Tool features

- Three cutting edges with 1.5–3xD cutting length
- Universal end milling with excellent surface quality and minimised burr formation
- Easy to choose and easy to use the tool thanks to plug and play, as well as clear, understandable instructions for selecting variants
- Can be reground up to three times according to original specifications
- WhisperKut™ technology

Application

- Machining of aluminium from roughing to finishing in a wide range of applications
- Centre cutting with three cutting edges
- Designed for versatile applications in aluminium
- Trimming, groove milling, shoulder milling, pocket milling, helical interpolation, ramping
- Suitable for general mechanical engineering in all industrial segments



ISO areas of application

CoroMill® Dura product range

Code	ZEFF	APMX	LU	DC (mm)	Undercut	Chip breaker	RE (mm)	Sharp cutting corner	Max. feed angle	Full slot capability	Max. Ae at max. APMX
1K223-NA/-NB	3	1.5xD	1.5xD	2 - 25	-	-	-	Yes	20°	1.5xD	100%
1K223-NG/-NH	3	1.5xD	3xD	2 - 25	Yes	-	0.2–4	Yes	20°	1.5xD	100%
1K233-NA/-NB	3	2xD	2xD	2 - 25	-	-	0.2–4	Yes	20°	2xD	100%
1K253-NB	3	3xD	3xD	6 - 25	-	-	-	Yes	5°	0.5xD	30%

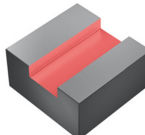
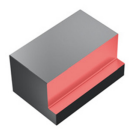
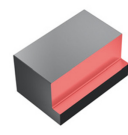
Weldon shank for all tools ≥ 6 mm. Cylindrical shank for tools < 6 mm.

Recommendations for cutting speed

Multi-material – CoroMill Dura ISO N range

f_z increase +20% for end mills with a shorter length of 1.5 x D: 1K223-NA/-NB

f_z feed reduction -20% for longer end mills 3 x D: 1K253-NB

ISO	MC no.	CMC	Material	HB									
					$a_e = 1.0 \times DC$			$a_e = 0.5 \times DC$			$a_e = 0.1 \times DC$		
					$a_p = 0.5 \times DC$			$a_p = 1.0 \times DC$			$a_p = 1.5 \times DC$		
					f_z	v_c m/min	v_c feet/min	f_z	v_c m/min	v_c feet/min	f_z	v_c m/min	v_c feet/min
N	N1.1.Z.UT	30.3	Commercially available pure (>99%)	30	I01	810	2657	I02	880	2887	I03	950	3117
	N1.2.Z.UT	30.11	EN AW-7075 (aluminium-based alloy)	60	I01	810	2657	I02	870	2854	I03	940	3084
	N1.2.Z.AG	30.12	AlMgSi1, AlSi alloys, Si < 1%	100	I01	730	2395	I02	780	2559	I03	850	2789
	N1.3.C.UT	30.21	G-AlMg5	75	I01	810	2657	I02	870	2854	I03	94	308
	N1.3.C.AG	30.22	GD-AlSi8Cu3, AlSi casting alloys, Si > 1% and < 13%	90	I01	730	2395	I02	790	2592	I03	850	2789
	N1.4.C.NS	30.41	Cast, 13–15% Si	130	I01	325	1066	I02	350	1148	I03	380	1247
	N1.4.C.NS	30.42	Cast, 16–22% Si	130	I01	245	804	I02	265	869	I03	285	935
	N3.3.U.UT	33.1	Free-cutting alloy (Pb >1%)	110	I01	405	1329	I02	435	1427	I03	470	1542
	N3.2.C.UT	33.2	Brass and leaded bronzes (Pb <=1%)	90	I01	405	1329	I02	435	1427	I03	470	1542
	N3.1.U.UT	33.3	Lead-free copper alloys (including electrolytic copper)	100	I01	285	935	I02	305	1001	I03	330	1083

Feed recommendations

mm/tooth
inch/tooth

DC	mm	2.000	3.000	6.000	8.000	10.000	12.000	14.000	16.000	18.000	20.000	25.000
	inch	.0079	.0118	.0236	.0315	.0394	.0472	.0551	.0630	.0709	.0787	.0984
I01	mm/tooth	.0020	.0029	.0055	.0072	.0090	.0107	.0124	.0142	.0159	.0177	.0220
	inch/tooth	.0008	.0011	.0022	.0028	.0035	.0042	.0049	.0056	.0063	.0069	.0087
I02	mm/tooth	.0025	.0036	.0069	.0092	.0114	.0136	.0158	.0180	.0202	.0225	.0280
	inch/tooth	.0010	.0014	.0027	.0036	.0045	.0053	.0062	.0071	.0080	.0088	.0110
I03	mm/tooth	.0040	.0057	.0110	.0144	.0179	.0214	.0249	.0283	.0318	.0353	.0440
	inch/tooth	.0016	.0023	.0043	.0057	.0071	.0084	.0098	.0112	.0125	.0139	.0173

CoroMill® Dura solid carbide end mills

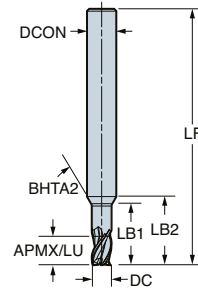
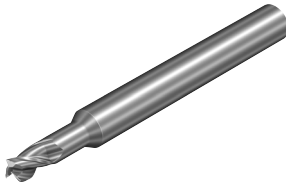
For non-ferrous materials
1K223 – 1.5xD – with wiper

FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
h10
h6
3



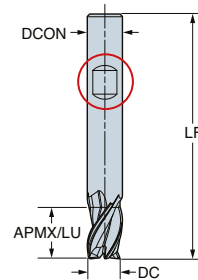
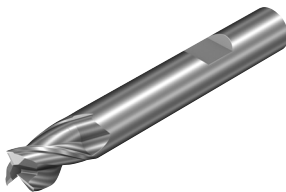
ISO areas of application



Metric version						N	Dimensions: mm							Discount group 732
DC	CZC _{MS}	APMX	LU	ZEFP	FHA		H10F	DCON _{MS}	LF	BS	LB ₁	LB ₂	BHTA ₂	
2.0	6	3.0	3.0	3	35°		★	6.0	50.0	0.0	7.0	10.5	30°	
3.0	6	4.5	4.5	3	35°		★	6.0	50.0	0.0	9.6	12.2	30°	
4.0	6	6.0	6.0	3	35°		★	6.0	54.0	0.2	12.4	14.1	30°	
5.0	6	7.5	7.5	3	35°		★	6.0	54.0	0.3	14.5	15.4	30°	

FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
h10
h6
3



Metric version						N	Dimensions: mm							Discount group 732
DC	CZC _{MS}	APMX	LU	ZEFP	FHA		H10F	DCON _{MS}	LF	BS	LB ₁	LB ₂	BHTA ₂	
6.0	6	9.0	9.0	3	35°		★	6.0	54.0	0.3				
8.0	8	12.0	12.0	3	35°		★	8.0	58.0	0.3				
10.0	10	15.0	15.0	3	35°		★	10.0	72.0	0.4				
12.0	12	18.0	18.0	3	35°		★	12.0	83.0	0.4				
16.0	16	24.0	24.0	3	35°		★	16.0	92.0	0.6				
20.0	20	30.0	30.0	3	35°		★	20.0	104.0	0.7				
25.0	25	37.5	37.5	3	35°		★	25.0	121.0	0.9				

CoroMill® Dura solid carbide end mills

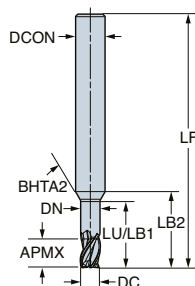
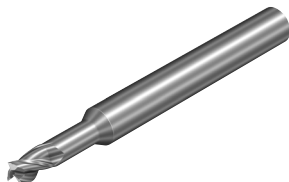
For non-ferrous materials
1K223 – 1.5xD – with wiper

FHA
BSG
TCDC
TCDCON
ZEFP

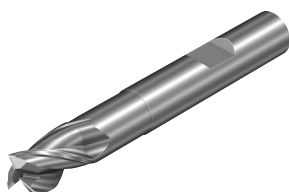
35°
COROMANT
h10
h6
3



ISO areas of application

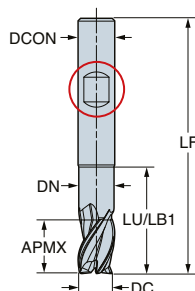


Metric version						N	Dimensions: mm								Discount group 732
DC	CZC _{MS}	APMX	LU	ZEFP	FHA		H10F	DCON _{MS}	LF	BS	DN	LB ₁	LB ₂	BHTA ₂	
2.0	6	3.0	7.0	3	35°		★	6.0	50.0	0.0	1.9	7.0	10.5	30°	
3.0	6	4.5	10.5	3	35°		★	6.0	50.0	0.0	2.9	10.5	13.2	30°	
4.0	6	6.0	14.0	3	35°		★	6.0	54.0	0.2	3.8	14.0	15.9	30°	
5.0	6	7.5	15.0	3	35°		★	6.0	54.0	0.3	4.8	15.0	16.0	30°	



FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
h10
h6
3



Metric version						N	Dimensions: mm								Discount group 732
DC	CZC _{MS}	APMX	LU	ZEFP	FHA		H10F	DCON _{MS}	LF	BS	DN	LB ₁			
6.0	6	9.0	18.0	3	35°		★	6.0	57.0	0.3	5.8	18.0			
8.0	8	12.0	24.0	3	35°		★	8.0	63.0	0.3	7.7	24.0			
10.0	10	15.0	30.0	3	35°		★	10.0	72.0	0.4	9.6	30.0			
12.0	12	18.0	36.0	3	35°		★	12.0	83.0	0.4	11.5	36.0			
16.0	16	24.0	48.0	3	35°		★	16.0	98.0	0.6	15.4	48.0			
20.0	20	30.0	60.0	3	35°		★	20.0	111.0	0.7	19.2	60.0			
25.0	25	37.5	75.0	3	35°		★	25.0	135.0	0.9	24.0	75.0			

CoroMill® Dura solid carbide end mills

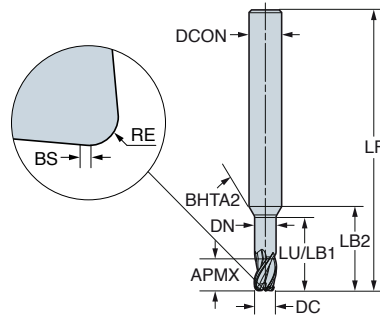
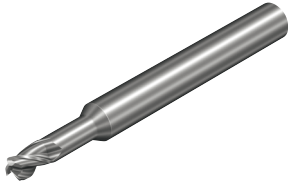
For non-ferrous materials
1K223 – 1.5xD – with wiper

FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
h10
h6
3



ISO areas of application



Metric version								N	Dimensions: mm								Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA	Order number	H10F	DCON _{MS}	LF	BS	DN	LB ₁	LB ₂	BHTA ₂		
2.0	6	3.0	0.20	7.0	3	35°	1K223-0200-020-NG	★	6.0	50.0	0.0	1.9	7.0	10.5	30°		
	6	3.0	0.50	7.0	3	35°	1K223-0200-050-NG	★	6.0	50.0	0.0	1.9	7.0	10.5	30°		
3.0	6	4.5	0.20	10.5	3	35°	1K223-0300-020-NG	★	6.0	50.0	0.0	2.9	10.5	13.2	30°		
	6	4.5	0.50	10.5	3	35°	1K223-0300-050-NG	★	6.0	50.0	0.0	2.9	10.5	13.2	30°		
4.0	6	6.0	0.50	14.0	3	35°	1K223-0400-050-NG	★	6.0	54.0	0.2	3.8	14.0	15.9	30°		
	6	6.0	1.00	14.0	3	35°	1K223-0400-100-NG	★	6.0	54.0	0.2	3.8	14.0	15.9	30°		
5.0	6	7.5	0.50	15.0	3	35°	1K223-0500-050-NG	★	6.0	54.0	0.3	4.8	15.0	16.0	30°		
	6	7.5	1.00	15.0	3	35°	1K223-0500-100-NG	★	6.0	54.0	0.3	4.8	15.0	16.0	30°		

CoroMill® Dura solid carbide end mills

For non-ferrous materials

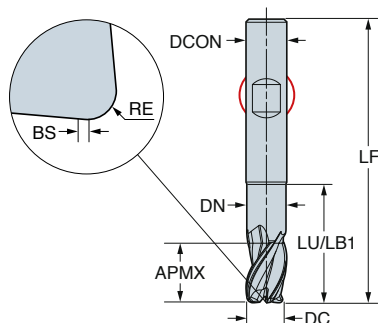
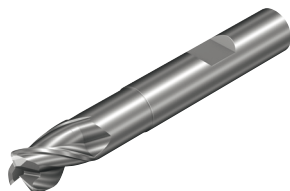
1K223 – 1.5xD – with wiper

FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
h10
h6
3



ISO areas of application



Metric version							N	Dimensions: mm							Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		DCON _{MS}	LF	BS	DN	LB ₁	LB ₂	BHTA ₂	
6.0	6	9.0	0.50	18.0	3	35°	★	6.0	57.0	0.3	5.8	18.0			
	6	9.0	1.00	18.0	3	35°	★	6.0	57.0	0.3	5.8	18.0			
8.0	8	12.0	0.50	24.0	3	35°	★	8.0	63.0	0.3	7.7	24.0			
	8	12.0	1.00	24.0	3	35°	★	8.0	63.0	0.3	7.7	24.0			
10.0	8	12.0	2.00	24.0	3	35°	★	8.0	63.0	0.3	7.7	24.0			
	10	15.0	0.50	30.0	3	35°	★	10.0	72.0	0.4	9.6	30.0			
10.0	10	15.0	1.00	30.0	3	35°	★	10.0	72.0	0.4	9.6	30.0			
	10	15.0	2.00	30.0	3	35°	★	10.0	72.0	0.4	9.6	30.0			
12.0	10	15.0	3.00	30.0	3	35°	★	10.0	72.0	0.4	9.6	30.0			
	12	18.0	0.50	36.0	3	35°	★	12.0	83.0	0.4	11.5	36.0			
12.0	12	18.0	1.00	36.0	3	35°	★	12.0	83.0	0.4	11.5	36.0			
	12	18.0	2.00	36.0	3	35°	★	12.0	83.0	0.4	11.5	36.0			
16.0	12	18.0	3.00	36.0	3	35°	★	12.0	83.0	0.4	11.5	36.0			
	16	24.0	0.50	48.0	3	35°	★	16.0	98.0	0.6	15.4	48.0			
16.0	16	24.0	1.00	48.0	3	35°	★	16.0	98.0	0.6	15.4	48.0			
	16	24.0	2.00	48.0	3	35°	★	16.0	98.0	0.6	15.4	48.0			
20.0	16	24.0	3.00	48.0	3	35°	★	16.0	98.0	0.6	15.4	48.0			
	20	30.0	0.50	60.0	3	35°	★	20.0	111.0	0.7	19.2	60.0			
20.0	20	30.0	1.00	60.0	3	35°	★	20.0	111.0	0.7	19.2	60.0			
	20	30.0	2.00	60.0	3	35°	★	20.0	111.0	0.7	19.2	60.0			
25.0	20	30.0	3.00	60.0	3	35°	★	20.0	111.0	0.7	19.2	60.0			
	25	37.5	0.50	75.0	3	35°	★	25.0	135.0	0.9	24.0	75.0			
25.0	25	37.5	1.00	75.0	3	35°	★	25.0	135.0	0.9	24.0	75.0			
	25	37.5	2.00	75.0	3	35°	★	25.0	135.0	0.9	24.0	75.0			
25.0	25	37.5	3.00	75.0	3	35°	★	25.0	135.0	0.9	24.0	75.0			
	25	37.5	4.00	75.0	3	35°	★	25.0	135.0	0.9	24.0	75.0			

CoroMill® Dura solid carbide end mills

For non-ferrous materials

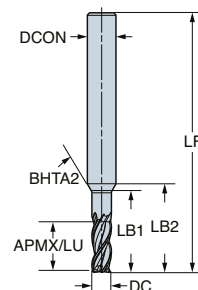
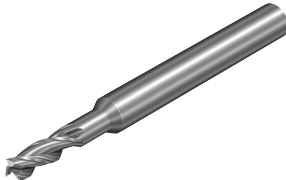
1K233 – 2xD – with wiper

FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
h10
h6
3



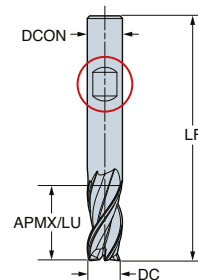
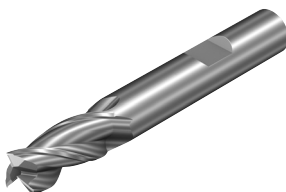
ISO areas of application



Metric version						N	Dimensions: mm								Discount group 732
DC	CZC _{MS}	APMX	LU	ZEFP	FHA		H10F	DCON _{MS}	LF	BS	DN	LB ₁	LB ₂	BHTA ₂	
2.0	6	6.0	6.0	3	35°		★	6.0	50.0	0.0	10.0	13.5	30°		
3.0	6	8.0	8.0	3	35°		★	6.0	54.0	0.0	13.1	15.7	30°		
4.0	6	11.0	11.0	3	35°		★	6.0	57.0	0.2	17.4	19.1	30°		
5.0	6	13.0	13.0	3	35°		★	6.0	57.0	0.3	20.0	20.9	30°		

FHA
BSG
TCDC
TCDCON
ZEFP

35°
COROMANT
h10
h6
3



Metric version						N	Dimensions: mm								Discount group 732
DC	CZC _{MS}	APMX	LU	ZEFP	FHA		H10F	DCON _{MS}	LF	BS	DN	LB ₁	LB ₂	BHTA ₂	
6.0	6	13.0	13.0	3	35°		★	6.0	57.0	0.3					
8.0	8	19.0	19.0	3	35°		★	8.0	63.0	0.3					
10.0	10	22.0	22.0	3	35°		★	10.0	72.0	0.4					
12.0	12	26.0	26.0	3	35°		★	12.0	83.0	0.4					
16.0	16	32.0	32.0	3	35°		★	16.0	98.0	0.6					
20.0	20	40.0	40.0	3	35°		★	20.0	111.0	0.7					
25.0	25	50.0	50.0	3	35°		★	25.0	130.0	0.9					

CoroMill® Dura solid carbide end mills

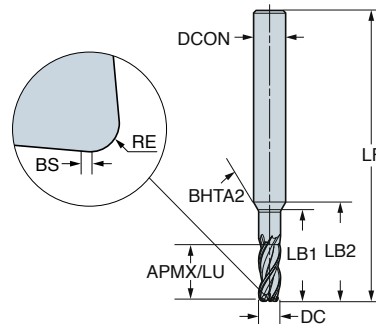
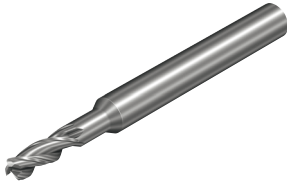
For non-ferrous materials

1K233 – 2xD - mit Wiper

FHA 35°
 BSG COROMANT
 TCDC h10
 TCDCON h6
 ZEFP 3



ISO areas of application



Metric version							N	Dimensions: mm						Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA		DCON _{MS}	LF	BS	LB ₁	LB ₂	BHTA ₂	
2.0	6	6.0	0.20	6.0	3	35°	★	6.0	50.0	0.0	10.0	13.5	30°	
	6	6.0	0.50	6.0	3	35°	★	6.0	50.0	0.0	10.0	13.5	30°	
3.0	6	8.0	0.20	8.0	3	35°	★	6.0	54.0	0.0	13.1	15.7	30°	
	6	8.0	0.50	8.0	3	35°	★	6.0	54.0	0.0	13.1	15.7	30°	
4.0	6	11.0	0.50	11.0	3	35°	★	6.0	57.0	0.2	17.4	19.1	30°	
	6	11.0	1.00	11.0	3	35°	★	6.0	57.0	0.2	17.4	19.1	30°	
5.0	6	13.0	0.50	13.0	3	35°	★	6.0	57.0	0.3	20.0	20.9	30°	
	6	13.0	1.00	13.0	3	35°	★	6.0	57.0	0.3	20.0	20.9	30°	

CoroMill® Dura solid carbide end mills

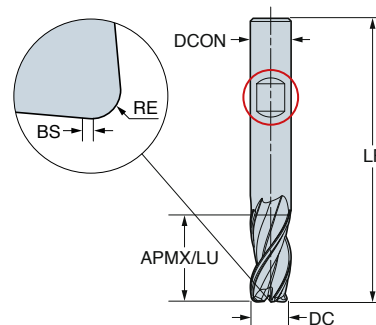
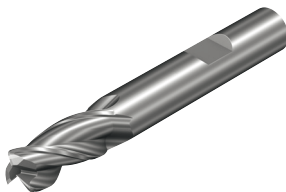
For non-ferrous materials, ISO N

1K233 – 2xD - mit Wiper

FHA 35°
 BSG COROMANT
 TCDC h10
 TCDCON h6
 ZEFP 3



ISO areas of application



Metric version								N	Dimensions: mm							Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA	Order number	H10F	DCON _{MS}	LF	BS	DN	LB ₁	LB ₂	BHTA ₂	
6.0	6	13.0	0.50	13.0	3	35°	1K233-0600-050-NB	★	6.0	57.0	0.3					
	6	13.0	1.00	13.0	3	35°	1K233-0600-100-NB	★	6.0	57.0	0.3					
8.0	8	19.0	0.50	19.0	3	35°	1K233-0800-050-NB	★	8.0	63.0	0.3					
	8	19.0	1.00	19.0	3	35°	1K233-0800-100-NB	★	8.0	63.0	0.3					
	8	19.0	2.00	19.0	3	35°	1K233-0800-200-NB	★	8.0	63.0	0.3					
	10.0	10	22.0	0.50	22.0	3	35°	1K233-1000-050-NB	★	10.0	72.0	0.4				
	10	22.0	1.00	22.0	3	35°	1K233-1000-100-NB	★	10.0	72.0	0.4					
	10	22.0	2.00	22.0	3	35°	1K233-1000-200-NB	★	10.0	72.0	0.4					
	10	22.0	3.00	22.0	3	35°	1K233-1000-300-NB	★	10.0	72.0	0.4					

CoroMill® Dura solid carbide end mills

For non-ferrous materials

1K233 – 2xD - mit Wiper

Metric version								N	Dimensions: mm							Discount group 732
DC	CZC _{MS}	APMX	RE	LU	ZEFP	FHA	Order number	H10F	DCON _{MS}	LF	BS	DN	LB ₁	LB ₂	BHTA ₂	
12.0	12	26.0	0.50	26.0	3	35°	1K233-1200-050-NB	★	12.0	83.0	0.4					
	12	26.0	1.00	26.0	3	35°	1K233-1200-100-NB	★	12.0	83.0	0.4					
	12	26.0	2.00	26.0	3	35°	1K233-1200-200-NB	★	12.0	83.0	0.4					
	12	26.0	3.00	26.0	3	35°	1K233-1200-300-NB	★	12.0	83.0	0.4					
16.0	16	32.0	0.50	32.0	3	35°	1K233-1600-050-NB	★	16.0	98.0	0.6					
	16	32.0	1.00	32.0	3	35°	1K233-1600-100-NB	★	16.0	98.0	0.6					
	16	32.0	2.00	32.0	3	35°	1K233-1600-200-NB	★	16.0	98.0	0.6					
	16	32.0	3.00	32.0	3	35°	1K233-1600-300-NB	★	16.0	98.0	0.6					
	16	32.0	4.00	32.0	3	35°	1K233-1600-400-NB	★	16.0	98.0	0.6					
	20	40.0	0.50	40.0	3	35°	1K233-2000-050-NB	★	20.0	111.0	0.7					
	20	40.0	1.00	40.0	3	35°	1K233-2000-100-NB	★	20.0	111.0	0.7					
	20	40.0	2.00	40.0	3	35°	1K233-2000-200-NB	★	20.0	111.0	0.7					
	20	40.0	3.00	40.0	3	35°	1K233-2000-300-NB	★	20.0	111.0	0.7					
	20	40.0	4.00	40.0	3	35°	1K233-2000-400-NB	★	20.0	111.0	0.7					
	25.0	25	50.0	0.50	50.0	3	35°	1K233-2500-050-NB	★	25.0	130.0	0.9				
	25	50.0	1.00	50.0	3	35°	1K233-2500-100-NB	★	25.0	130.0	0.9					
	25	50.0	2.00	50.0	3	35°	1K233-2500-200-NB	★	25.0	130.0	0.9					
	25	50.0	3.00	50.0	3	35°	1K233-2500-300-NB	★	25.0	130.0	0.9					
	25	50.0	4.00	50.0	3	35°	1K233-2500-400-NB	★	25.0	130.0	0.9					

CoroMill® Dura solid carbide end mills

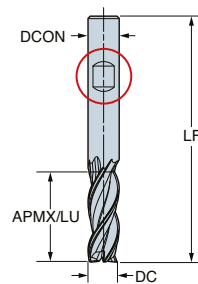
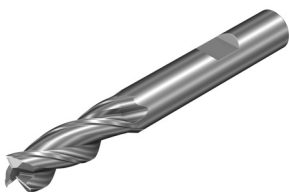
For non-ferrous materials, ISO N

1K253 – 3xD – with wiper

FHA 35°
 BSG COROMANT
 TCDC h10
 TCDCON h6
 ZEFP 3



ISO areas of application



Metric version							N	Dimensions: mm						Discount group 732
DC	CZC _{MS}	APMX	LU	ZEFP	FHA	Order number	H10F	DCON _{MS}	LF	BS	LB ₁	LB ₂	BHTA ₂	
6.0	6	18.0	18.0	3	35°	1K253-0600-NB	★	6.0	63.0	0.3				
8.0	8	24.0	24.0	3	35°	1K253-0800-NB	★	8.0	73.0	0.3				
10.0	10	30.0	30.0	3	35°	1K253-1000-NB	★	10.0	82.0	0.4				
12.0	12	36.0	36.0	3	35°	1K253-1200-NB	★	12.0	97.0	0.4				
16.0	16	48.0	48.0	3	35°	1K253-1600-NB	★	16.0	115.0	0.6				
20.0	20	60.0	60.0	3	35°	1K253-2000-NB	★	20.0	135.0	0.7				
25.0	25	75.0	75.0	3	35°	1K253-2500-NB	★	25.0	153.0	0.9				

CoroMill® Dura product range for universal use



ISO areas of application

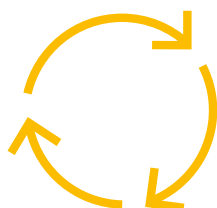
Code	ZEFF	APMX	DC (mm)	Undercut	Chip breaker	RE (mm)	Chamfer width (mm)	Max. feed angle	Full slot capability	Max. Ae at max. APMX
1K212-XA/-XB	2	1xD	2 - 20	-	-	-	0.08 - 0.3	20°	1xD	100%
1K232-XA/-XB	2	2xD	1 - 20	-	-	-	0.08 - 0.3	20°	1.5xD	100%
1K313-XA/-XB	3	1xD	2 - 20	-	-	-	0.08 - 0.3	5°	1xD	100%
1K333-XA/-XB	3	2xD	1 - 20	-	-	-	0.08 - 0.3	5°	1.5xD	100%
1K324-XA/-XB	4	1.5xD	2 - 20	-	-	-	0.08 - 0.3	20°	1.5xD	100%
1K334-XC/XD	4	2xD	2 - 20	Yes	-	0.2 - 4	-	20°	1xD	75%
1K334-XB	4	2xD	6 - 20	-	-	-	0.13 - 0.3	20°	1xD	75%
1K354-XC/XD	4	3xD	2 - 20	Yes	Yes	0.2 - 4	-	5°	0.25xD	15%
1K325--XA/-XB	5	1.5xD	3 - 20	-	-	-	0.08 - 0.3	10°	1xD	75%
1K335-XC/XD	5	2xD	3 - 20	Yes	-	0.2 - 4	-	10°	0.5xD	50%
1K365-XC/XD	5	3.5xD	3 - 20	Yes	Yes	0.2 - 4	-	4°	-	7%
1K365-XD	5	3.5xD	6 - 20	Yes	Yes	-	0.13 - 0.3	4°	-	7%
1K337-XD	7	2xD	6 - 25	Yes	-	0.5 - 4	-	5°	-	25%
1K357-XD	7	3xD	6 - 25	Yes	Yes	0.5 - 4	-	4°	-	10%
1K377-XD	7	4xD	6 - 25	Yes	Yes	0.5 - 6	-	3°	-	5%

Weldon shank for all tools ≥ 6 mm. Cylindrical shank for tools < 6 mm.

Range of services



Reconditioning


<https://www.sandvik.coromant.com/en-gb/services/reconditioning>


Recycling


<https://www.sandvik.coromant.com/en-gb/services/recycling>
CoroPlus® Tool Guide
CoroMill® Dura
tool selection
https://www.sandvik.coromant.com/de-de/products/toolguide/tool-recommendation?FocusAssortment=TG_DURA
Tailor-made
Tailor-Made Web
<https://www.sandvik.coromant.com/en-gb/tools/milling-tools/solid-carbide-end-mills/customized-tools>

Code key for taps

T200	-	S	D	100	D	A	-	M3
1		2	3	4	5	6		7

1: Product range

T100 = straight-fluted tap
 T200 = straight-fluted tap with spiral point
 T300 = spiral-fluted tap
 T400 = fluteless tap

2: ISO material

P = steel
 M = stainless steel
 K = grey cast iron
 S = heat resistant super alloys
 H = hardened materials
 N = non-ferrous metals
 X = multi-material

3: Ease of machining of the material

E = easy
 M = moderate
 D = difficult

4: Product markings

1 0 0
 Different product markings for:
 Reinforced or straight shank,
 different bevels, cutting fluid
 supply,
 etc.

5: Standard

D = DIN
 A = ANSI & DIN/ANSI
 J = JIS
 I = ISO

6: Thread form

A = M
 B = MF
 C = MJ
 D = UN
 E = UNC
 F = UNF
 G = UNEF
 I = UNJF
 J = UNS
 K = G
 L = NPT
 M = NPTF
 N = NPSF
 O = NPSM
 P = EGM
 Q = EGMF
 R = EGUNC
 S = EGUNF
 T = PG
 U = R
 V = Rc
 X = Rp
 Y = BA

7: Dimensions

Lead only if necessary, as in MF.

M3 K = G
 M10x125

Code key for drills

462	-	1	-	0635	-	02	A	1	-	P
1		2		3		4	5	6		7

1: Range name

2: Tool type

1 = straight drill, 1 diameter
2 = straight drill, 1 diameter + bevel

3: Major diameter in mm

4: Recommended max. hole depth in mm
(new tool before regrinding)

5: Adaptor type

A = cylindrical shank

6: Cutting fluid

0 = without cutting fluid holes
1 = with cutting fluid holes

7: Primary ISO material

P: ISO P
M: ISO M
K: ISO K
N: ISO N
S: ISO S
H: ISO H
XM: Universal

CoroTap™

Hole size – recommendations

Tap M

M: DIN 13		Metric		
TDZ		TP	PHD	PHDX 5H/6H
M 1*	x	0.25	0.75	0.785
M 1.1*	x	0.25	0.85	0.885
M 1.2*	x	0.25	0.95	0.985
M 1.4*	x	0.30	1.10	1.142
M 1.6	x	0.35	1.25	1.321
M 1.8	x	0.35	1.45	1.521
M 2	x	0.40	1.60	1.679
M 2.2	x	0.45	1.75	1.838
M 2.3	x	0.40	1.85	1.938
M 2.5	x	0.45	2.05	2.138
M 2.6	x	0.45	2.15	2.238
M 3	x	0.50	2.50	2.599
M 3.5	x	0.60	2.90	3.010
M 4	x	0.70	3.30	3.422
M 4.5	x	0.75	3.70	3.878
M 5	x	0.80	4.20	4.334
M 6	x	1.00	5.00	5.153
M 7	x	1.00	6.00	6.153
M 8	x	1.25	6.80	6.912
M 9	x	1.25	7.80	7.912
M 10	x	1.50	8.50	8.676
M 11	x	1.50	9.50	9.676
M 12	x	1.75	10.20	10.441
M 14	x	2.00	12.00	12.210
M 16	x	2.00	14.00	14.210
M 18	x	2.50	15.50	15.744
M 20	x	2.50	17.50	17.744
M 22	x	2.50	19.50	19.744
M 24	x	3.00	21.00	21.252
M 27	x	3.00	24.00	24.252
M 30	x	3.50	26.50	26.771
M 33	x	3.50	29.50	29.771
M 36	x	4.00	32.00	32.270
M 39	x	4.00	35.00	35.270
M 42	x	4.50	37.50	37.799
M 45	x	4.50	40.50	40.799
M 48	x	5.00	43.00	43.297
M 52	x	5.00	47.00	47.297
M 56	x	5.50	50.50	50.796
M 64	x	6.00	58.00	58.305

Notes:

TP: Thread lead
 TDZ: Thread form and size
 PHD: Diameter, pilot hole
 PHDX: Max. diameter, pilot hole

Tap MF

MF: DIN 13		Metric		
TDZ		TP	PHD	PHDX 5H/6H
M 2.5	x	0.35	2.15	2.221
M 3.0	x	0.35	2.65	2.721
M 3.5	x	0.35	3.15	3.221
M 4.0	x	0.50	3.50	3.599
M 4.5	x	0.50	4.00	4.099
M 5.0	x	0.50	4.50	4.599
M 5.5	x	0.50	5.00	5.099
M 6.0	x	0.75	5.25	5.378
M 7.0	x	0.75	6.25	6.378
M 8.0	x	0.50	7.50	7.599
M 8.0	x	0.75	7.25	7.378
M 8.0	x	1.00	7.00	7.153
M 9.0	x	0.75	8.25	8.378
M 9.0	x	1.00	8.00	8.153
M 10	x	0.75	9.25	9.378
M 10	x	1.00	9.00	9.153
M 10	x	1.25	8.80	8.912
M 11	x	0.75	10.25	10.378
M 11	x	1.00	10.00	10.153
M 12	x	1.00	11.00	11.153
M 12	x	1.25	10.75	10.912
M 12	x	1.50	10.50	10.676
M 14	x	1.00	13.00	13.153
M 14	x	1.25	12.75	12.912
M 14	x	1.50	12.50	12.676
M 15	x	1.00	14.00	14.153
M 15	x	1.50	13.50	13.676
M 16	x	1.00	15.00	15.153
M 16	x	1.25	14.80	14.912
M 16	x	1.50	14.50	14.676
M 17	x	1.00	16.00	16.153
M 17	x	1.50	15.50	15.676
M 18	x	1.00	17.00	17.153
M 18	x	1.50	16.50	16.676
M 20	x	1.00	19.00	19.153
M 20	x	1.50	18.50	18.676
M 20	x	2.00	18.00	18.210
M 22	x	1.00	21.00	21.153
M 22	x	1.50	20.50	20.676
M 22	x	2.00	20.00	20.210
M 24	x	1.00	23.00	23.153
M 24	x	1.50	22.50	22.676
M 24	x	2.00	22.00	22.210
M 25	x	1.00	24.00	24.153
M 25	x	1.50	23.50	23.676
M 25	x	2.00	23.00	23.210
M 27	x	1.00	26.00	26.153
M 27	x	1.50	25.50	25.676
M 27	x	2.00	25.00	25.210
M 28	x	1.00	27.00	27.153
M 28	x	1.50	26.50	26.676
M 28	x	2.00	26.00	26.210
M 30	x	1.00	29.00	29.153
M 30	x	1.50	28.50	28.676
M 30	x	2.00	28.00	28.210
M 30	x	3.00	27.00	27.252
M 32	x	1.50	30.50	30.676
M 32	x	2.00	30.00	30.210
M 33	x	1.50	31.50	31.676
M 33	x	2.00	31.00	31.210
M 33	x	3.00	30.00	30.252
M 35	x	1.50	33.50	33.676
M 36	x	1.50	34.50	34.676

CoroTap™

Hole size – recommendations

Tap UNC

UNC: ASME B1.1			Metric		
TDZ	TP	PHD	PHDX 2B	PHDX 3B	
No. 1	-	0.25	1.55	1.582	1.582
No. 2	-	0.25	1.85	1.872	1.872
No. 3	-	0.25	2.10	2.146	2.146
No. 4	-	0.30	2.35	2.385	2.385
No. 5	-	0.35	2.65	2.697	2.697
No. 6	-	0.35	2.85	2.896	2.896
No. 8	-	0.40	3.50	3.531	3.528
No. 10	-	0.45	3.90	3.962	3.950
No. 12	-	0.40	4.50	4.597	4.590
1/4	-	0.45	5.10	5.268	5.250
5/16	-	0.45	6.60	6.734	6.680
3/8	-	0.50	8.00	8.164	8.082
7/16	-	0.60	9.40	9.550	9.441
1/2	-	0.70	10.80	11.013	10.881
9/16	-	0.75	12.20	12.456	12.301
5/8	-	0.80	13.50	13.868	13.693
3/4	-	1.00	16.50	16.833	16.324
7/8	-	1.00	19.50	19.748	19.520
1	-	1.25	22.25	22.598	22.344
1 1/8	-	1.25	25.00	25.349	25.082
1 1/4	-	1.50	28.00	28.524	28.258
1 3/8	-	1.50	30.75	31.120	30.851
1 1/2	-	1.75	34.00	34.295	34.026
1 3/4	-	2.00	39.50	39.814	39.560
2	-	2.00	45.00	45.598	45.367

Tap UNF

UNF: ASME B1.1			Metric		
TDZ	TP	PHD*	PHDX 2B	PHDX 3B	
No. 1	-	72	1.55	1.613	1.613
No. 2	-	64	1.85	1.913	1.913
No. 3	-	56	2.15	2.197	2.197
No. 4	-	48	2.40	2.459	2.459
No. 5	-	44	2.70	2.741	2.741
No. 6	-	40	2.95	3.023	3.012
No. 8	-	36	3.50	3.607	3.597
No. 10	-	32	4.10	4.166	4.168
No. 12	-	28	4.60	4.724	4.717
1/4	-	28	5.50	5.580	5.563
5/16	-	24	6.90	7.038	6.995
3/8	-	24	8.50	8.626	8.565
7/16	-	20	9.90	10.030	9.947
1/2	-	20	11.50	11.618	11.524
9/16	-	18	12.90	13.084	12.969
5/8	-	18	14.50	14.671	14.554
3/4	-	16	17.50	17.689	17.546
7/8	-	14	20.40	20.663	20.493
1	-	12	23.25	23.569	23.363
1 1/8	-	12	26.50	26.744	26.538
1 1/4	-	12	29.50	29.919	29.713
1 3/8	-	12	32.75	33.094	32.888
1 1/2	-	12	36.00	36.269	36.063

Tap G

M: DIN 13		Metric		
TDZ	TP	PHD	PHDX	
G 1/16	-	28	6.80	6.843
G 1/8	-	28	8.80	8.848
G 1/4	-	19	11.80	11.890
G 3/8	-	19	15.25	15.395
G 1/2	-	14	19.00	19.173
G 5/8	-	14	21.00	21.129
G 3/4	-	14	24.50	24.659
G 7/8	-	14	28.25	28.419
G 1	-	11	30.75	30.932
G 1 1/8	-	11	35.50	35.580
G 1 1/4	-	11	39.50	39.593
G 1 1/2	-	11	45.25	45.486

TP: Thread lead

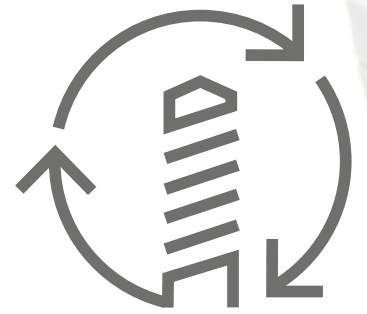
TDZ: Thread form and size

PHD: Diameter, pilot hole

PHDX: Max. diameter, pilot hole

Reconditioning

Reconditioning worn solid carbide tools is a good way to extend their tool life while dramatically reducing the costs associated with purchasing new tools. If you are not yet familiar with our regrinding service, it's time to give it a try.



100%

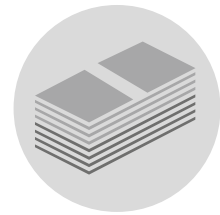
Reliability

Our specialists are always available to assist you with their expertise.



Original quality

Consistent quality in every regrinding process.



50%

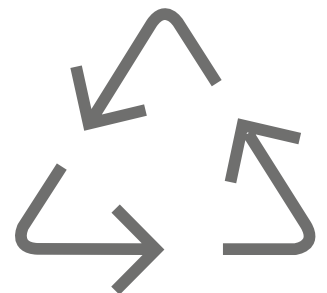
Savings

Reconditioning can lower your tool costs by up to 50%.

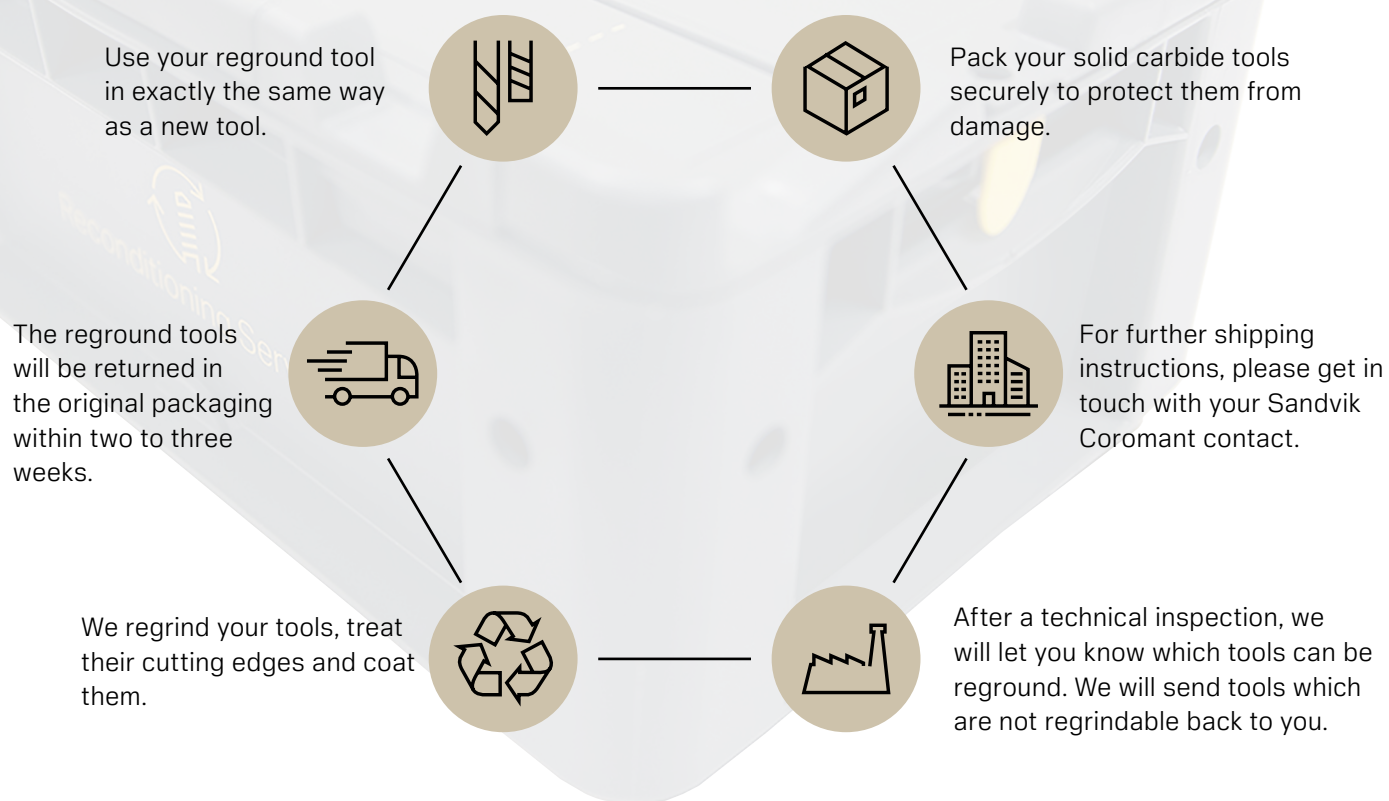
Recycling: For the good of the environment

Did you know that you can earn money with your used tools? All you have to do is let us recycle them for you.

If it is no longer profitable for you to have the tool reground, the solid carbide can be recycled through our recycling scheme, which pays market prices for carbide. Not only do you earn money, you also help to reduce the environmental impact of producing new tools and minimise the use of the tungsten.



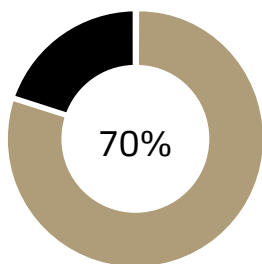
How it works



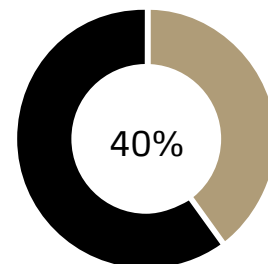
Sandvik Coromant recovers more than 80% of the sold solid carbide.

Advantages for the environment

Instead of using raw materials extracted from ore, producing new tools from recycled carbide uses 70% less energy.



Production using recycled materials reduces carbon dioxide emissions by a total of 40%.



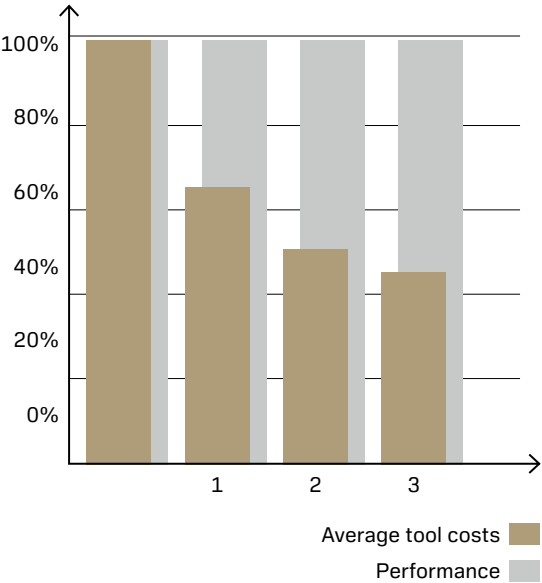
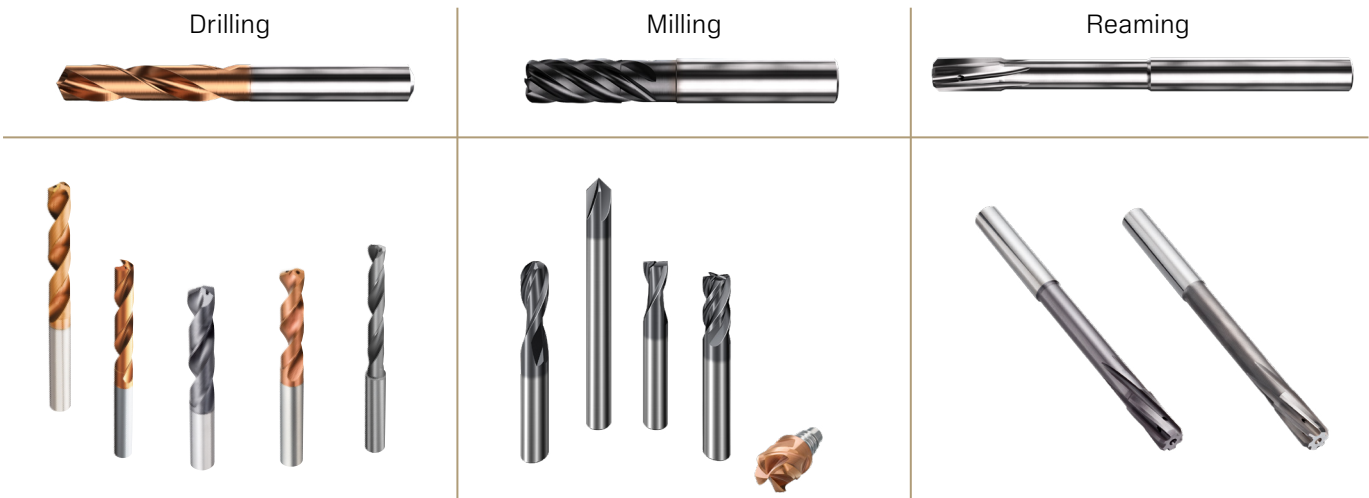
Tools with regrinding service

Would you like to try out our regrinding service?
We not only regrind carbide drills, but milling cutters
and reamers too.



You can see which products can be
reground thanks to the regrinding
symbol in our catalogues and on our
website.

Products with regrinding service



Ratio of performance to tool costs

Each regrinding process gives you consistent
tool quality while dramatically reducing costs.

Simplify your work with our mobile applications

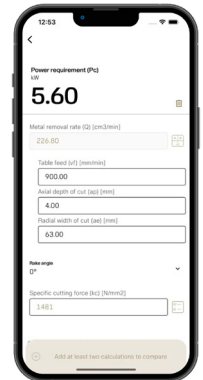
1.

Calculator for precision machining

The Machining calculator app is your ultimate companion for precision machining processes. It is specially designed for engineers and operators and calculates optimal cutting settings for turning, milling, drilling and thread tapping applications based on your

specific job parameters. Discover how minor adjustments can contribute to significant improvements in your machining results.

[> Download productivity calculator for iPhone from the Apple Store](#)
[> Download productivity calculator for Android from the Google Play Store](#)



2.

Tool wear analysis made easy

Say goodbye to the mystery of tool wear! The Tool Wear Analyzer app is your solution. Capture images of tool wear with your phone and easily compare them to a database of wear types. Measure, store and share tool wear data with ease. Ideal for anyone

who works with machining processes. ToWe simplifies the identification of causes of wear in cutting tools, saves time and increases accuracy.

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3.

Your all-in-one machining companion

Get to know your comprehensive machining assistant: Ifind. This application is your central point of contact for tools, solutions and information. With Ifind, you have the option to:

Get tool recommendations:

Discover the perfect tools for your needs.

Find cutting data:

Access the correct cutting data for efficient machining.

Go shopping:

Simply order the tools and equipment you need.

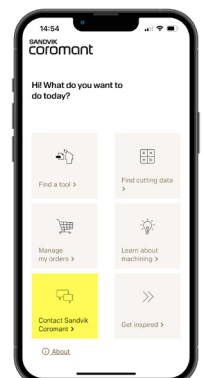
Track orders:

Keep track of your orders and ensure everything runs smoothly.

Keep learning:

Take advantage of valuable resources and stay up to date with the latest industry trends. If you are only going to download one app, then choose Ifind. Using this tool is the ultimate way to optimise your machining process and increase your productivity.

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