

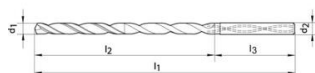
GUHRING Ratio drill with oil feed type 5512



Design: Ultra-fine grain-solid carbide, according to factory standard, type RT 100 U.
Fire coated surface, right cutting with special point geometry and ratio point thinning. Normal angle of rake, core thicker than normal and without core gradient, with internal cooling. The drill has a very good self-centring behaviour and produces short chips, even from long-chipping materials.

Hard metal application group: K/P ?universal use.
[Ultra-fine grain K05?K50/P05?P50]

Application: For accurate alignment drilling with narrow Ø tolerances and good surfaces. Suitable for drilling deep holes up to 7 x D with high cutting values. Particularly suitable for long and short-chipping materials such as construction and case-hardening steels, steel castings, tempered steels, carbon steels, bronzes, castings, high alloy AISi alloys and alloy steels up to 1200 N/mm² in strength.



Note: The drills can be sharpened and recoated several times.

With twisted internal cooling through the bar. The coolant directly accesses the blades and flushes the chips out of the hole.

Characteristics

Cutting direction: Right

Type: Twist drill

Coating: nanoFIRE

Cooling channel[Oil feed]: 1

Point angle: 140 °

Diameter mm	Cutting length mm	Total length mm	Holding system	Material	Article
3.1	30	70	Cylindrical	Solid carbide	12062780
3.17	30	70	Cylindrical	Solid carbide	12062781
3.2	30	70	Cylindrical	Solid carbide	12062782
3.25	30	70	Cylindrical	Solid carbide	12062783
3.3	30	70	Cylindrical	Solid carbide	12062784
3.4	35.5	75	Cylindrical	Solid carbide	12062785
3.5	35.5	75	Cylindrical	Solid carbide	12062786
3.57	35.5	75	Cylindrical	Solid carbide	12062787
3.6	35.5	75	Cylindrical	Solid carbide	12062788
3.7	35.5	75	Cylindrical	Solid carbide	12062789
3.8	37.5	75	Cylindrical	Solid carbide	12062790
3.9	37.5	75	Cylindrical	Solid carbide	12062791
3.97	37.5	75	Cylindrical	Solid carbide	12062792
4	37.5	75	Cylindrical	Solid carbide	12012155
4.1	37.5	75	Cylindrical	Solid carbide	12062793
4.2	37.5	75	Cylindrical	Solid carbide	12012156
4.3	45	85	Cylindrical	Solid carbide	12062794
4.37	45	85	Cylindrical	Solid carbide	12012157
4.4	45	85	Cylindrical	Solid carbide	12062795
4.5	45	85	Cylindrical	Solid carbide	12012158
4.6	45	85	Cylindrical	Solid carbide	12012159
4.65	45	85	Cylindrical	Solid carbide	12012160

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Diameter	Cutting length	Total length	Holding system	Material	Article
mm	mm	mm			
4.7	45	85	Cylindrical	Solid carbide	12062796
4.76	50	90	Cylindrical	Solid carbide	12012161
4.8	50	90	Cylindrical	Solid carbide	12012162
4.9	50	90	Cylindrical	Solid carbide	12062797
5	50	90	Cylindrical	Solid carbide	12012163
5.1	50	90	Cylindrical	Solid carbide	12062798
5.16	50	90	Cylindrical	Solid carbide	12062799
5.2	50	90	Cylindrical	Solid carbide	12062800
5.3	50	90	Cylindrical	Solid carbide	12062801
5.4	57	97	Cylindrical	Solid carbide	12062802
5.7	57	97	Cylindrical	Solid carbide	12062803
5.8	57	97	Cylindrical	Solid carbide	12062804
5.9	57	97	Cylindrical	Solid carbide	12062805
6	57	97	Cylindrical	Solid carbide	12012165
6.2	66	106	Cylindrical	Solid carbide	12062806
6.3	66	106	Cylindrical	Solid carbide	12062807
6.6	66	106	Cylindrical	Solid carbide	12062808
6.7	66	106	Cylindrical	Solid carbide	12062809
6.8	66	106	Cylindrical	Solid carbide	12012168
6.9	76	116	Cylindrical	Solid carbide	12062810
7.1	76	116	Cylindrical	Solid carbide	12062811
7.2	76	116	Cylindrical	Solid carbide	12062812
7.6	76	116	Cylindrical	Solid carbide	12062813
7.7	76	116	Cylindrical	Solid carbide	12062814
8	76	116	Cylindrical	Solid carbide	12012172
8.1	87	131	Cylindrical	Solid carbide	12062815
8.2	87	131	Cylindrical	Solid carbide	12062816
8.4	87	131	Cylindrical	Solid carbide	12062817
8.5	87	131	Cylindrical	Solid carbide	12012173
8.6	87	131	Cylindrical	Solid carbide	12062818
8.7	87	131	Cylindrical	Solid carbide	12062819
8.8	87	131	Cylindrical	Solid carbide	12062820
9.1	95	139	Cylindrical	Solid carbide	12062821
9.2	95	139	Cylindrical	Solid carbide	12062822
9.3	95	139	Cylindrical	Solid carbide	12062823
9.4	95	139	Cylindrical	Solid carbide	12062824
9.52	95	139	Cylindrical	Solid carbide	12012176
9.7	95	139	Cylindrical	Solid carbide	12062825
9.8	95	139	Cylindrical	Solid carbide	12062826
9.9	95	139	Cylindrical	Solid carbide	12062827
10.2	106	155	Cylindrical	Solid carbide	12012178
10.8	106	155	Cylindrical	Solid carbide	12062828
11.2	114	163	Cylindrical	Solid carbide	12062829
11.8	114	163	Cylindrical	Solid carbide	12062830
12.2	133	182	Cylindrical	Solid carbide	12062831
14	133	182	Cylindrical	Solid carbide	12012187
14.2	152	204	Cylindrical	Solid carbide	12062832
15	152	204	Cylindrical	Solid carbide	12012189
19.05	190	244	Cylindrical	Solid carbide	12012198
19.5	190	244	Cylindrical	Solid carbide	12012199
20	190	244	Cylindrical	Solid carbide	12012200
					14594096
					14594087

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Diameter mm	Cutting length mm	Total length mm	Holding system	Material	Article
					14594101
					14594093
					14594097
					14594103
					14594084
					14594102
					14594090
					14594108
					14594094
					14594071
					14594085
					14594106
					14594099
					14594091
					14594095
					14594089
					14594107
					14594100
					14594088
					14594104
					14594092
					14594098
					14594086
					14594105

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