

GUHRING Ratio drill with oil feed type 5511

Design: Ultra-finest grain-solid carbide, DIN 6537, type RT 100 U.

Fire coated surface, right cutting with special point geometry and ratio point thinning. Normal angle of rake, core thickness thicker than normal and without core gradient. The drill has a very good self-centring behaviour and produces short chips, even from long-chipping materials.



Carbide 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 holes up to 5 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. Twisted internal cooling. The coolant directly accesses the blades and flushes the chips out of the hole.

Characteristics

Cutting direction: Right

DIN standard: 6537L

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	28	66	Cylindrical	Solid carbide	W90A-12180310
3.2	28	66	Cylindrical	Solid carbide	W90A-12180320
3.4	28	66	Cylindrical	Solid carbide	W90A-12180340
3.6	28	66	Cylindrical	Solid carbide	W90A-12180360
3.7	28	66	Cylindrical	Solid carbide	W90A-12180370
3.9	36	74	Cylindrical	Solid carbide	W90A-12180390
4.1	36	74	Cylindrical	Solid carbide	W90A-12180410
4.3	36	74	Cylindrical	Solid carbide	W90A-12180430
4.4	36	74	Cylindrical	Solid carbide	W90A-12180440
4.7	36	74	Cylindrical	Solid carbide	W90A-12180470
4.9	44	82	Cylindrical	Solid carbide	W90A-12180490
5.1	44	82	Cylindrical	Solid carbide	W90A-12180510
5.2	44	82	Cylindrical	Solid carbide	W90A-12180520
5.3	44	82	Cylindrical	Solid carbide	W90A-12180530
5.4	44	82	Cylindrical	Solid carbide	W90A-12180540
5.6	44	82	Cylindrical	Solid carbide	W90A-12180560
5.7	44	82	Cylindrical	Solid carbide	W90A-12180570
5.9	44	82	Cylindrical	Solid carbide	W90A-12180590
6.1	53	91	Cylindrical	Solid carbide	W90A-12180610
6.2	53	91	Cylindrical	Solid carbide	W90A-12180620
6.3	53	91	Cylindrical	Solid carbide	W90A-12180630
6.4	53	91	Cylindrical	Solid carbide	W90A-12180640
6.6	53	91	Cylindrical	Solid carbide	W90A-12180660
6.7	53	91	Cylindrical	Solid carbide	W90A-12180670

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Diameter	Cutting length	Total length	Holding system	Material	Article
mm	mm	mm			
6.9	53	91	Cylindrical	Solid carbide	W90A-12180690
7.1	53	91	Cylindrical	Solid carbide	W90A-12180710
7.2	53	91	Cylindrical	Solid carbide	W90A-12180720
7.3	53	91	Cylindrical	Solid carbide	W90A-12180730
7.6	53	91	Cylindrical	Solid carbide	W90A-12180760
7.7	53	91	Cylindrical	Solid carbide	W90A-12180770
7.9	53	91	Cylindrical	Solid carbide	W90A-12180790
8.1	61	103	Cylindrical	Solid carbide	W90A-12180810
8.2	61	103	Cylindrical	Solid carbide	W90A-12180820
8.3	61	103	Cylindrical	Solid carbide	W90A-12180830
8.4	61	103	Cylindrical	Solid carbide	W90A-12180840
8.6	61	103	Cylindrical	Solid carbide	W90A-12180860
8.7	61	103	Cylindrical	Solid carbide	W90A-12180870
8.9	61	103	Cylindrical	Solid carbide	W90A-12180890
9.1	61	103	Cylindrical	Solid carbide	W90A-12180910
9.2	61	103	Cylindrical	Solid carbide	W90A-12180920
9.4	61	103	Cylindrical	Solid carbide	W90A-12180940
9.6	61	103	Cylindrical	Solid carbide	W90A-12180960
9.7	61	103	Cylindrical	Solid carbide	W90A-12180970
9.9	61	103	Cylindrical	Solid carbide	W90A-12180990
10.1	71	118	Cylindrical	Solid carbide	W90A-12181010
10.3	71	118	Cylindrical	Solid carbide	W90A-12181030
10.4	71	118	Cylindrical	Solid carbide	W90A-12181040
10.6	71	118	Cylindrical	Solid carbide	W90A-12181060
10.8	71	118	Cylindrical	Solid carbide	W90A-12181080
10.9	71	118	Cylindrical	Solid carbide	W90A-12181090
11.1	71	118	Cylindrical	Solid carbide	W90A-12181110
11.3	71	118	Cylindrical	Solid carbide	W90A-12181130
11.4	71	118	Cylindrical	Solid carbide	W90A-12181140
11.6	71	118	Cylindrical	Solid carbide	W90A-12181160
11.8	71	118	Cylindrical	Solid carbide	W90A-12181180
11.9	71	118	Cylindrical	Solid carbide	W90A-12181190
12.2	77	124	Cylindrical	Solid carbide	W90A-12181220
14.2	83	133	Cylindrical	Solid carbide	W90A-12181420
15.2	83	133	Cylindrical	Solid carbide	W90A-12181520
19.05	101	153	Cylindrical	Solid carbide	W90A-12181905

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