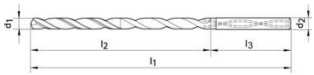
GUHRING Ratio drill with oil feed type 5512

Design: Ultra-finest 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 AlSi 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	30	70	Cylindrical	Solid carbide	W90A-12240300
3.1	30	70	Cylindrical	Solid carbide	W90A-12240310
3.17	30	70	Cylindrical	Solid carbide	W90A-12240317
3.2	30	70	Cylindrical	Solid carbide	W90A-12240320
3.25	30	70	Cylindrical	Solid carbide	W90A-12240325
3.3	30	70	Cylindrical	Solid carbide	W90A-12240330
3.4	35.5	75	Cylindrical	Solid carbide	W90A-12240340
3.5	35.5	75	Cylindrical	Solid carbide	W90A-12240350
3.57	35.5	75	Cylindrical	Solid carbide	W90A-12240357
3.6	35.5	75	Cylindrical	Solid carbide	W90A-12240360
3.7	35.5	75	Cylindrical	Solid carbide	W90A-12240370
3.8	37.5	75	Cylindrical	Solid carbide	W90A-12240380
3.97	37.5	75	Cylindrical	Solid carbide	W90A-12240397
4	37.5	75	Cylindrical	Solid carbide	W90A-12240400
4.1	37.5	75	Cylindrical	Solid carbide	W90A-12240410
4.2	37.5	75	Cylindrical	Solid carbide	W90A-12240420
4.3	45	85	Cylindrical	Solid carbide	W90A-12240430
4.37	45	85	Cylindrical	Solid carbide	W90A-12240437
4.4	45	85	Cylindrical	Solid carbide	W90A-12240440
4.5	45	85	Cylindrical	Solid carbide	W90A-12240450
4.6	45	85	Cylindrical	Solid carbide	W90A-12240460
4.65	45	85	Cylindrical	Solid carbide	W90A-12240465

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Diameter mm	Cutting length mm	Total length mm	Holding system	Material	Article
4.7	45	85	Cylindrical	Solid carbide	W90A-12240470
4.76	50	90	Cylindrical	Solid carbide	W90A-12240476
4.8	50	90	Cylindrical	Solid carbide	W90A-12240480
4.9	50	90	Cylindrical	Solid carbide	W90A-12240490
5	50	90	Cylindrical	Solid carbide	W90A-12240500
5.1	50	90	Cylindrical	Solid carbide	W90A-12240510
5.16	50	90	Cylindrical	Solid carbide	W90A-12240516
5.2	50	90	Cylindrical	Solid carbide	W90A-12240520
5.3	50	90	Cylindrical	Solid carbide	W90A-12240530
5.4	57	97	Cylindrical	Solid carbide	W90A-12240540
5.5	57	97	Cylindrical	Solid carbide	W90A-12240550
5.7	57	97	Cylindrical	Solid carbide	W90A-12240570
5.8	57	97	Cylindrical	Solid carbide	W90A-12240580
5.9	57	97	Cylindrical	Solid carbide	W90A-12240590
6	57	97	Cylindrical	Solid carbide	W90A-12240600
6.2	66	106	Cylindrical	Solid carbide	W90A-12240620
6.3	66	106	Cylindrical	Solid carbide	W90A-12240630
6.35	66	106	Cylindrical	Solid carbide	W90A-12240635
6.5	66	106	Cylindrical	Solid carbide	W90A-12240650
6.6	66	106	Cylindrical	Solid carbide	W90A-12240660
6.7	66	106	Cylindrical	Solid carbide	W90A-12240670
6.8	66	106	Cylindrical	Solid carbide	W90A-12240680
6.9	76	116	Cylindrical	Solid carbide	W90A-12240690
7	76	116	Cylindrical	Solid carbide	W90A-12240700
7.1	76	116	Cylindrical	Solid carbide	W90A-12240710
7.2	76	116	Cylindrical	Solid carbide	W90A-12240720
7.5	76	116	Cylindrical	Solid carbide	W90A-12240750
7.6	76	116	Cylindrical	Solid carbide	W90A-12240760
7.7	76	116	Cylindrical	Solid carbide	W90A-12240770
7.8	76	116	Cylindrical	Solid carbide	W90A-12240780
8	76	116	Cylindrical	Solid carbide	W90A-12240800
8.1	87	131	Cylindrical	Solid carbide	W90A-12240810
8.2	87	131	Cylindrical	Solid carbide	W90A-12240820
8.4	87	131	Cylindrical	Solid carbide	W90A-12240840
8.5	87	131	Cylindrical	Solid carbide	W90A-12240850
8.6	87	131	Cylindrical	Solid carbide	W90A-12240860
8.7	87	131	Cylindrical	Solid carbide	W90A-12240870
8.8	87	131	Cylindrical	Solid carbide	W90A-12240880
9	87	131	Cylindrical	Solid carbide	W90A-12240900
9.1	95	139	Cylindrical	Solid carbide	W90A-12240910
9.2	95	139	Cylindrical	Solid carbide	W90A-12240920
9.3	95	139	Cylindrical	Solid carbide	W90A-12240930
9.4	95	139	Cylindrical	Solid carbide	W90A-12240940
9.5	95	139	Cylindrical	Solid carbide	W90A-12240950
9.52	95	139	Cylindrical	Solid carbide	W90A-12240952
9.7	95	139	Cylindrical	Solid carbide	W90A-12240970
9.8	95	139	Cylindrical	Solid carbide	W90A-12240980
9.9	95	139	Cylindrical	Solid carbide	W90A-12240990
10	95	139	Cylindrical	Solid carbide	W90A-12241000
10.2	106	155	Cylindrical	Solid carbide	W90A-12241020
10.5	106	155	Cylindrical	Solid carbide	W90A-12241050
10.8	106	155	Cylindrical	Solid carbide	W90A-12241080
11	106	155	Cylindrical	Solid carbide	W90A-12241100

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Diameter mm	Cutting length mm	Total length mm	Holding system	Material	Article
11.2	114	163	Cylindrical	Solid carbide	W90A-12241120
11.5	114	163	Cylindrical	Solid carbide	W90A-12241150
11.8	114	163	Cylindrical	Solid carbide	W90A-12241180
12	114	163	Cylindrical	Solid carbide	W90A-12241200
12.2	133	182	Cylindrical	Solid carbide	W90A-12241220
12.5	133	182	Cylindrical	Solid carbide	W90A-12241250
12.7	133	182	Cylindrical	Solid carbide	W90A-12241270
13	133	182	Cylindrical	Solid carbide	W90A-12241300
13.5	133	182	Cylindrical	Solid carbide	W90A-12241350
14	133	182	Cylindrical	Solid carbide	W90A-12241400
14.2	152	204	Cylindrical	Solid carbide	W90A-12241420
14.5	152	204	Cylindrical	Solid carbide	W90A-12241450
15	152	204	Cylindrical	Solid carbide	W90A-12241500
15.5	152	204	Cylindrical	Solid carbide	W90A-12241550
16	152	204	Cylindrical	Solid carbide	W90A-12241600
16.5	171	223	Cylindrical	Solid carbide	W90A-12241650
17	171	223	Cylindrical	Solid carbide	W90A-12241700
17.5	171	223	Cylindrical	Solid carbide	W90A-12241750
18	171	223	Cylindrical	Solid carbide	W90A-12241800
18.5	190	244	Cylindrical	Solid carbide	W90A-12241850
19	190	244	Cylindrical	Solid carbide	W90A-12241900
19.05	190	244	Cylindrical	Solid carbide	W90A-12241905
19.5	190	244	Cylindrical	Solid carbide	W90A-12241950
20	190	244	Cylindrical	Solid carbide	W90A-12242000

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