

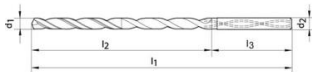
GUHRING Ratio drill with oil feed type 5612



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 \varnothing tolerances and good surfaces. Suitable for drilling deep holes up to $7 \times D$ 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/mm^2 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	Whistle notch	Solid carbide	12063576
3.1	30	70	Whistle notch	Solid carbide	12063577
3.17	30	70	Whistle notch	Solid carbide	12063578
3.2	30	70	Whistle notch	Solid carbide	12063579
3.25	30	70	Whistle notch	Solid carbide	12063580
3.3	30	70	Whistle notch	Solid carbide	12063581
3.4	35.5	75	Whistle notch	Solid carbide	12063582
3.5	35.5	75	Whistle notch	Solid carbide	12063583
3.57	35.5	75	Whistle notch	Solid carbide	12063584
3.6	35.5	75	Whistle notch	Solid carbide	12063585
3.7	35.5	75	Whistle notch	Solid carbide	12063586
3.8	37.5	75	Whistle notch	Solid carbide	12063587
3.9	37.5	75	Whistle notch	Solid carbide	12063588
3.97	37.5	75	Whistle notch	Solid carbide	12063590
4	37.5	75	Whistle notch	Solid carbide	12012631
4.1	37.5	75	Whistle notch	Solid carbide	12063591
4.2	37.5	75	Whistle notch	Solid carbide	12012632
4.3	45	85	Whistle notch	Solid carbide	12063592
4.37	45	85	Whistle notch	Solid carbide	12012633
4.4	45	85	Whistle notch	Solid carbide	12063593
4.5	45	85	Whistle notch	Solid carbide	12012634
4.6	45	85	Whistle notch	Solid carbide	12012635

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Diameter	Cutting length	Total length	Holding system	Material	Article
mm	mm	mm			
4.65	45	85	Whistle notch	Solid carbide	12012636
4.7	45	85	Whistle notch	Solid carbide	12063594
4.76	50	90	Whistle notch	Solid carbide	12012637
4.8	50	90	Whistle notch	Solid carbide	12012638
4.9	50	90	Whistle notch	Solid carbide	12063595
5.1	50	90	Whistle notch	Solid carbide	12063596
5.16	50	90	Whistle notch	Solid carbide	12063597
5.2	50	90	Whistle notch	Solid carbide	12063598
5.3	50	90	Whistle notch	Solid carbide	12063599
5.4	57	97	Whistle notch	Solid carbide	12063600
5.7	57	97	Whistle notch	Solid carbide	12063601
5.8	57	97	Whistle notch	Solid carbide	12063602
5.9	57	97	Whistle notch	Solid carbide	12063603
6.2	66	106	Whistle notch	Solid carbide	12063604
6.3	66	106	Whistle notch	Solid carbide	12063605
6.35	66	106	Whistle notch	Solid carbide	12012642
6.6	66	106	Whistle notch	Solid carbide	12063606
6.7	66	106	Whistle notch	Solid carbide	12063607
6.9	76	116	Whistle notch	Solid carbide	12063608
7.1	76	116	Whistle notch	Solid carbide	12063609
7.2	76	116	Whistle notch	Solid carbide	12063610
7.6	76	116	Whistle notch	Solid carbide	12063611
7.7	76	116	Whistle notch	Solid carbide	12063612
8.1	87	131	Whistle notch	Solid carbide	12063613
8.2	87	131	Whistle notch	Solid carbide	12063614
8.4	87	131	Whistle notch	Solid carbide	12063615
8.6	87	131	Whistle notch	Solid carbide	12063616
8.7	87	131	Whistle notch	Solid carbide	12063617
8.8	87	131	Whistle notch	Solid carbide	12063618
9.1	95	139	Whistle notch	Solid carbide	12063619
9.2	95	139	Whistle notch	Solid carbide	12063620
9.3	95	139	Whistle notch	Solid carbide	12063621
9.4	95	139	Whistle notch	Solid carbide	12063622
9.52	95	139	Whistle notch	Solid carbide	12012652
9.7	95	139	Whistle notch	Solid carbide	12063623
9.8	95	139	Whistle notch	Solid carbide	12063624
9.9	95	139	Whistle notch	Solid carbide	12063625
10.8	106	155	Whistle notch	Solid carbide	12063626
11.2	114	163	Whistle notch	Solid carbide	12063627
11.8	114	163	Whistle notch	Solid carbide	12063628
12.2	133	182	Whistle notch	Solid carbide	12063629
14.2	152	204	Whistle notch	Solid carbide	12063630
19	190	244	Whistle notch	Solid carbide	12012673
19.05	190	244	Whistle notch	Solid carbide	12012674
19.5	190	244	Whistle notch	Solid carbide	12012675
					14594120
					14594110
					14594139
					14594123
					14594132
					14594126
					14594137
					14594134

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Diameter mm	Cutting length mm	Total length mm	Holding system	Material	Article
					14594127
					14594121
					14594112
					14594115
					14594133
					14594118
					14594109
					14594114
					14594124
					14594138
					14594113
					14594130
					14594119
					14594135
					14594128
					14594125
					14594131
					14594116
					14594136
					14594122
					14594129
					14594111
					14594072
					14594083
					14594117

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