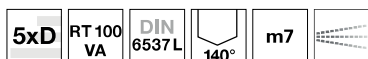


Ratio drills with oil feed


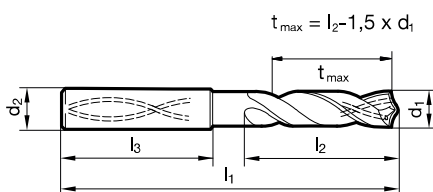
P web thinning $\geq \varnothing 3.000$ • facet point grinding • main cutting edge form straight • optimised cutting geometry

- M** •
- K** •
- N** •
- S** •
- H** •

stainless/acid-/heat-resistant steels • Titanium and Titanium alloys
• Inconel, Hastelloy, Monel

GUHRING NAVIGATOR

Cutting data page 72



Tool material	Solid carbide	
Surface	a	a
Shank form	HA	HE
	NEW	NEW

Article no.	5580	5581
Discount group	155	155
Cutting direction		

d1		d2 h6	l1	l2	l3	Availability	
mm	inch	mm	mm	mm	mm		
3.000		6.00	66.00	28.00	36.00	•	•
3.100		6.00	66.00	28.00	36.00	•	•
3.170	1/8	6.00	66.00	28.00	36.00	•	•
3.200		6.00	66.00	28.00	36.00	•	•
3.250		6.00	66.00	28.00	36.00	•	•
3.300		6.00	66.00	28.00	36.00	•	•
3.400		6.00	66.00	28.00	36.00	•	•
3.500		6.00	66.00	28.00	36.00	•	•
3.570	9/64	6.00	66.00	28.00	36.00	•	•
3.600		6.00	66.00	28.00	36.00	•	•
3.700		6.00	66.00	28.00	36.00	•	•
3.800		6.00	74.00	36.00	36.00	•	•
3.900		6.00	74.00	36.00	36.00	•	•
3.970	5/32	6.00	74.00	36.00	36.00	•	•
4.000		6.00	74.00	36.00	36.00	•	•
4.100		6.00	74.00	36.00	36.00	•	•
4.200		6.00	74.00	36.00	36.00	•	•
4.300		6.00	74.00	36.00	36.00	•	•
4.370	11/64	6.00	74.00	36.00	36.00	•	•
4.400		6.00	74.00	36.00	36.00	•	•
4.500		6.00	74.00	36.00	36.00	•	•
4.600		6.00	74.00	36.00	36.00	•	•
4.650		6.00	74.00	36.00	36.00	•	•
4.700		6.00	74.00	36.00	36.00	•	•
4.760	3/16	6.00	82.00	44.00	36.00	•	•
4.800		6.00	82.00	44.00	36.00	•	•
4.900		6.00	82.00	44.00	36.00	•	•
5.000		6.00	82.00	44.00	36.00	•	•
5.100		6.00	82.00	44.00	36.00	•	•
5.160	13/64	6.00	82.00	44.00	36.00	•	•
5.200		6.00	82.00	44.00	36.00	•	•
5.300		6.00	82.00	44.00	36.00	•	•
5.400		6.00	82.00	44.00	36.00	•	•
5.500		6.00	82.00	44.00	36.00	•	•
5.550		6.00	82.00	44.00	36.00	•	•
5.560	7/32	6.00	82.00	44.00	36.00	•	•



						Article no.	5580	5581
						Discount group	155	155
						Cutting direction	R	R
d1		d2 h6	l1	l2	l3	Availability		
mm	inch	mm	mm	mm	mm			
5.600		6.00	82.00	44.00	36.00	●	●	
5.700		6.00	82.00	44.00	36.00	●	●	
5.800		6.00	82.00	44.00	36.00	●	●	
5.900		6.00	82.00	44.00	36.00	●	●	
5.950	15/64	6.00	82.00	44.00	36.00	●	●	
6.000		6.00	82.00	44.00	36.00	●	●	
6.100		8.00	91.00	53.00	36.00	●	●	
6.200		8.00	91.00	53.00	36.00	●	●	
6.300		8.00	91.00	53.00	36.00	●	●	
6.350	1/4	8.00	91.00	53.00	36.00	●	●	
6.400		8.00	91.00	53.00	36.00	●	●	
6.500		8.00	91.00	53.00	36.00	●	●	
6.600		8.00	91.00	53.00	36.00	●	●	
6.700		8.00	91.00	53.00	36.00	●	●	
6.750	17/64	8.00	91.00	53.00	36.00	●	●	
6.800		8.00	91.00	53.00	36.00	●	●	
6.900		8.00	91.00	53.00	36.00	●	●	
7.000		8.00	91.00	53.00	36.00	●	●	
7.100		8.00	91.00	53.00	36.00	●	●	
7.140	9/32	8.00	91.00	53.00	36.00	●	●	
7.200		8.00	91.00	53.00	36.00	●	●	
7.300		8.00	91.00	53.00	36.00	●	●	
7.400		8.00	91.00	53.00	36.00	●	●	
7.500		8.00	91.00	53.00	36.00	●	●	
7.540	19/64	8.00	91.00	53.00	36.00	●	●	
7.600		8.00	91.00	53.00	36.00	●	●	
7.700		8.00	91.00	53.00	36.00	●	●	
7.800		8.00	91.00	53.00	36.00	●	●	
7.900		8.00	91.00	53.00	36.00	●	●	
7.940	5/16	8.00	91.00	53.00	36.00	●	●	
8.000		8.00	91.00	53.00	36.00	●	●	
8.100		10.00	103.00	61.00	40.00	●	●	
8.200		10.00	103.00	61.00	40.00	●	●	
8.300		10.00	103.00	61.00	40.00	●	●	
8.330	21/64	10.00	103.00	61.00	40.00	●	●	
8.400		10.00	103.00	61.00	40.00	●	●	
8.500		10.00	103.00	61.00	40.00	●	●	
8.600		10.00	103.00	61.00	40.00	●	●	
8.700		10.00	103.00	61.00	40.00	●	●	
8.730	11/32	10.00	103.00	61.00	40.00	●	●	
8.800		10.00	103.00	61.00	40.00	●	●	
8.900		10.00	103.00	61.00	40.00	●	●	
9.000		10.00	103.00	61.00	40.00	●	●	
9.100		10.00	103.00	61.00	40.00	●	●	
9.130	23/64	10.00	103.00	61.00	40.00	●	●	
9.200		10.00	103.00	61.00	40.00	●	●	
9.250		10.00	103.00	61.00	40.00	●	●	
9.300		10.00	103.00	61.00	40.00	●	●	
9.400		10.00	103.00	61.00	40.00	●	●	
9.500		10.00	103.00	61.00	40.00	●	●	
9.520	3/8	10.00	103.00	61.00	40.00	●	●	
9.600		10.00	103.00	61.00	40.00	●	●	
9.700		10.00	103.00	61.00	40.00	●	●	
9.800		10.00	103.00	61.00	40.00	●	●	
9.900		10.00	103.00	61.00	40.00	●	●	
9.920	25/64	10.00	103.00	61.00	40.00	●	●	
10.000		10.00	103.00	61.00	40.00	●	●	
10.100		12.00	118.00	71.00	45.00	●	●	
10.200		12.00	118.00	71.00	45.00	●	●	
10.300		12.00	118.00	71.00	45.00	●	●	



						Article no.	5580	5581
						Discount group	155	155
						Cutting direction		
d1		d2 h6	l1	l2	l3	Availability		
mm	inch	mm	mm	mm	mm			
10.320	13/32	12.00	118.00	71.00	45.00	●	●	
10.400		12.00	118.00	71.00	45.00	●	●	
10.500		12.00	118.00	71.00	45.00	●	●	
10.600		12.00	118.00	71.00	45.00	●	●	
10.700		12.00	118.00	71.00	45.00	●	●	
10.800		12.00	118.00	71.00	45.00	●	●	
10.900		12.00	118.00	71.00	45.00	●	●	
11.000		12.00	118.00	71.00	45.00	●	●	
11.100		12.00	118.00	71.00	45.00	●	●	
11.110	7/16	12.00	118.00	71.00	45.00	●	●	
11.200		12.00	118.00	71.00	45.00	●	●	
11.300		12.00	118.00	71.00	45.00	●	●	
11.400		12.00	118.00	71.00	45.00	●	●	
11.500		12.00	118.00	71.00	45.00	●	●	
11.600		12.00	118.00	71.00	45.00	●	●	
11.700		12.00	118.00	71.00	45.00	●	●	
11.800		12.00	118.00	71.00	45.00	●	●	
11.900		12.00	118.00	71.00	45.00	●	●	
11.910	15/32	12.00	118.00	71.00	45.00	●	●	
12.000		12.00	118.00	71.00	45.00	●	●	
12.200		14.00	124.00	77.00	45.00	●	●	
12.500		14.00	124.00	77.00	45.00	●	●	
12.700	1/2	14.00	124.00	77.00	45.00	●	●	
13.000		14.00	124.00	77.00	45.00	●	●	
13.500		14.00	124.00	77.00	45.00	●	●	
13.700		14.00	124.00	77.00	45.00	●	●	
14.000		14.00	124.00	77.00	45.00	●	●	
14.200		16.00	133.00	83.00	48.00	●	●	
14.290	9/16	16.00	133.00	83.00	48.00	●	●	
14.500		16.00	133.00	83.00	48.00	●	●	
14.700		16.00	133.00	83.00	48.00	●	●	
15.000		16.00	133.00	83.00	48.00	●	●	
15.200		16.00	133.00	83.00	48.00	●	●	
15.500		16.00	133.00	83.00	48.00	●	●	
15.700		16.00	133.00	83.00	48.00	●	●	
16.000		16.00	133.00	83.00	48.00	●	●	
16.500		18.00	143.00	93.00	48.00	●	●	
17.000		18.00	143.00	93.00	48.00	●	●	
17.500		18.00	143.00	93.00	48.00	●	●	
18.000		18.00	143.00	93.00	48.00	●	●	
18.500		20.00	153.00	101.00	50.00	●	●	
19.000		20.00	153.00	101.00	50.00	●	●	
19.500		20.00	153.00	101.00	50.00	●	●	
20.000		20.00	153.00	101.00	50.00	●	●	