

Ratiobohrer mit Kühlkanälen

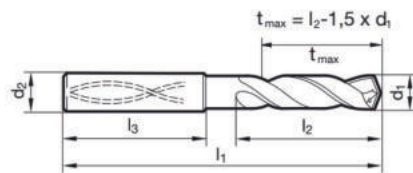


- P** • Ausspitzung $\geq \varnothing 3,000$ • Flächenanschliff • Hauptschneidenform gerade • optimierte Schneidengeometrie
- M** ○
- K** •
- N** ○ Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle • Stähle (legiert/unleg.) bis 1200 N/mm² • Gusswerkstoffe • Bronzen, Messing
- S** ○ • hochlegierte AlSi-Legierungen
- H** ○

Schneidstoff	VHM		
Oberfläche	F	F	F
Schaftform	HA	HE	HB
	SL	SL	SL

GÜHRINGNAVIGATOR

Schnittwerte siehe Seite 152



						Artikel-Nr.	5510	5610	6023
						Rabattgruppe	155	155	155
						Schneidrichtung	(R)	(R)	(R)
d1		d2 h6	l1	l2	l3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
3,000		6,00	62,00	20,00	36,00	•	•	•	
3,100		6,00	62,00	20,00	36,00	•	•	•	
3,170	1/8	6,00	62,00	20,00	36,00	•	•	•	
3,200		6,00	62,00	20,00	36,00	•	•	•	
3,250		6,00	62,00	20,00	36,00	•	•	•	
3,300		6,00	62,00	20,00	36,00	•	•	•	
3,400		6,00	62,00	20,00	36,00	•	•	•	
3,500		6,00	62,00	20,00	36,00	•	•	•	
3,570	9/64	6,00	62,00	20,00	36,00	•	•	•	
3,600		6,00	62,00	20,00	36,00	•	•	•	
3,700		6,00	62,00	20,00	36,00	•	•	•	
3,800		6,00	66,00	24,00	36,00	•	•	•	
3,900		6,00	66,00	24,00	36,00	•	•	•	
3,970	5/32	6,00	66,00	24,00	36,00	•	•	•	
4,000		6,00	66,00	24,00	36,00	•	•	•	
4,100		6,00	66,00	24,00	36,00	•	•	•	
4,200		6,00	66,00	24,00	36,00	•	•	•	
4,300		6,00	66,00	24,00	36,00	•	•	•	
4,370	11/64	6,00	66,00	24,00	36,00	•	•	•	
4,400		6,00	66,00	24,00	36,00	•	•	•	
4,500		6,00	66,00	24,00	36,00	•	•	•	
4,600		6,00	66,00	24,00	36,00	•	•	•	
4,650		6,00	66,00	24,00	36,00	•	•	•	
4,700		6,00	66,00	24,00	36,00	•	•	•	
4,760	3/16	6,00	66,00	28,00	36,00	•	•	•	
4,800		6,00	66,00	28,00	36,00	•	•	•	
4,900		6,00	66,00	28,00	36,00	•	•	•	
5,000		6,00	66,00	28,00	36,00	•	•	•	
5,100		6,00	66,00	28,00	36,00	•	•	•	
5,160	13/64	6,00	66,00	28,00	36,00	•	•	•	
5,200		6,00	66,00	28,00	36,00	•	•	•	
5,300		6,00	66,00	28,00	36,00	•	•	•	
5,400		6,00	66,00	28,00	36,00	•	•	•	
5,500		6,00	66,00	28,00	36,00	•	•	•	
5,550		6,00	66,00	28,00	36,00	•	•	•	
5,560	7/32	6,00	66,00	28,00	36,00	•	•	•	

						Artikel-Nr.	5510	5610	6023
						Rabattgruppe	155	155	155
						Schneidrichtung	(R)	(R)	(R)
d1		d2 h6	I1	I2	I3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
5,600		6,00	66,00	28,00	36,00	•	•	•	
5,700		6,00	66,00	28,00	36,00	•	•	•	
5,800		6,00	66,00	28,00	36,00	•	•	•	
5,900		6,00	66,00	28,00	36,00	•	•	•	
5,950	15/64	6,00	66,00	28,00	36,00	•	•	•	
6,000		6,00	66,00	28,00	36,00	•	•	•	
6,100		8,00	79,00	34,00	36,00	•	•	•	
6,200		8,00	79,00	34,00	36,00	•	•	•	
6,300		8,00	79,00	34,00	36,00	•	•	•	
6,350	1/4	8,00	79,00	34,00	36,00	•	•	•	
6,400		8,00	79,00	34,00	36,00	•	•	•	
6,500		8,00	79,00	34,00	36,00	•	•	•	
6,600		8,00	79,00	34,00	36,00	•	•	•	
6,700		8,00	79,00	34,00	36,00	•	•	•	
6,750	17/64	8,00	79,00	34,00	36,00	•	•	•	
6,800		8,00	79,00	34,00	36,00	•	•	•	
6,900		8,00	79,00	34,00	36,00	•	•	•	
7,000		8,00	79,00	34,00	36,00	•	•	•	
7,100		8,00	79,00	41,00	36,00	•	•	•	
7,140	9/32	8,00	79,00	41,00	36,00	•	•	•	
7,200		8,00	79,00	41,00	36,00	•	•	•	
7,300		8,00	79,00	41,00	36,00	•	•	•	
7,400		8,00	79,00	41,00	36,00	•	•	•	
7,500		8,00	79,00	41,00	36,00	•	•	•	
7,540	19/64	8,00	79,00	41,00	36,00	•	•	•	
7,600		8,00	79,00	41,00	36,00	•	•	•	
7,700		8,00	79,00	41,00	36,00	•	•	•	
7,800		8,00	79,00	41,00	36,00	•	•	•	
7,900		8,00	79,00	41,00	36,00	•	•	•	
7,940	5/16	8,00	79,00	41,00	36,00	•	•	•	
8,000		8,00	79,00	41,00	36,00	•	•	•	
8,100		10,00	89,00	47,00	40,00	•	•	•	
8,200		10,00	89,00	47,00	40,00	•	•	•	
8,300		10,00	89,00	47,00	40,00	•	•	•	
8,330	21/64	10,00	89,00	47,00	40,00	•	•	•	
8,400		10,00	89,00	47,00	40,00	•	•	•	
8,500		10,00	89,00	47,00	40,00	•	•	•	
8,600		10,00	89,00	47,00	40,00	•	•	•	
8,700		10,00	89,00	47,00	40,00	•	•	•	
8,730	11/32	10,00	89,00	47,00	40,00	•	•	•	
8,800		10,00	89,00	47,00	40,00	•	•	•	
8,900		10,00	89,00	47,00	40,00	•	•	•	
9,000		10,00	89,00	47,00	40,00	•	•	•	
9,100		10,00	89,00	47,00	40,00	•	•	•	
9,130	23/64	10,00	89,00	47,00	40,00	•	•	•	
9,200		10,00	89,00	47,00	40,00	•	•	•	
9,250		10,00	89,00	47,00	40,00	•	•	•	
9,300		10,00	89,00	47,00	40,00	•	•	•	
9,400		10,00	89,00	47,00	40,00	•	•	•	
9,500		10,00	89,00	47,00	40,00	•	•	•	
9,520	3/8	10,00	89,00	47,00	40,00	•	•	•	
9,600		10,00	89,00	47,00	40,00	•	•	•	
9,700		10,00	89,00	47,00	40,00	•	•	•	
9,800		10,00	89,00	47,00	40,00	•	•	•	
9,900		10,00	89,00	47,00	40,00	•	•	•	
9,920	25/64	10,00	89,00	47,00	40,00	•	•	•	
10,000		10,00	89,00	47,00	40,00	•	•	•	
10,100		12,00	102,00	55,00	45,00	•	•	•	
10,200		12,00	102,00	55,00	45,00	•	•	•	
10,300		12,00	102,00	55,00	45,00	•	•	•	

						Artikel-Nr.	5510	5610	6023
						Rabattgruppe	155	155	155
						Schneidrichtung	(R)	(R)	(R)
d1		d2 h6	l1	l2	l3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
10,320	13/32	12,00	102,00	55,00	45,00	●	●	●	
10,400		12,00	102,00	55,00	45,00	●	●	●	
10,500		12,00	102,00	55,00	45,00	●	●	●	
10,600		12,00	102,00	55,00	45,00	●	●	●	
10,700		12,00	102,00	55,00	45,00	●	●	●	
10,800		12,00	102,00	55,00	45,00	●	●	●	
10,900		12,00	102,00	55,00	45,00	●	●	●	
11,000		12,00	102,00	55,00	45,00	●	●	●	
11,100		12,00	102,00	55,00	45,00	●	●	●	
11,110	7/16	12,00	102,00	55,00	45,00	●	●	●	
11,200		12,00	102,00	55,00	45,00	●	●	●	
11,300		12,00	102,00	55,00	45,00	●	●	●	
11,400		12,00	102,00	55,00	45,00	●	●	●	
11,500		12,00	102,00	55,00	45,00	●	●	●	
11,600		12,00	102,00	55,00	45,00	●	●	●	
11,700		12,00	102,00	55,00	45,00	●	●	●	
11,800		12,00	102,00	55,00	45,00	●	●	●	
11,900		12,00	102,00	55,00	45,00	●	●	●	
11,910	15/32	12,00	102,00	55,00	45,00	●	●	●	
12,000		12,00	102,00	55,00	45,00	●	●	●	
12,200		14,00	107,00	60,00	45,00	●	●	●	
12,400		14,00	107,00	60,00	45,00	●	●	●	
12,500		14,00	107,00	60,00	45,00	●	●	●	
12,700	1/2	14,00	107,00	60,00	45,00	●	●	●	
12,800		14,00	107,00	60,00	45,00	●	●	●	
13,000		14,00	107,00	60,00	45,00	●	●	●	
13,500		14,00	107,00	60,00	45,00	●	●	●	
13,700		14,00	107,00	60,00	45,00	●	●	●	
13,800		14,00	107,00	60,00	45,00	●	●	●	
14,000		14,00	107,00	60,00	45,00	●	●	●	
14,200	9/16	16,00	115,00	65,00	48,00	●	●	●	
14,290		16,00	115,00	65,00	48,00	●	●	●	
14,300		16,00	115,00	65,00	48,00	●	●	●	
14,500		16,00	115,00	65,00	48,00	●	●	●	
14,700		16,00	115,00	65,00	48,00	●	●	●	
14,800		16,00	115,00	65,00	48,00	●	●	●	
15,000		16,00	115,00	65,00	48,00	●	●	●	
15,200		16,00	115,00	65,00	48,00	●	●	●	
15,500		16,00	115,00	65,00	48,00	●	●	●	
15,700		16,00	115,00	65,00	48,00	●	●	●	
16,000		16,00	115,00	65,00	48,00	●	●	●	
16,500		18,00	123,00	73,00	48,00	●	●	●	
17,000		18,00	123,00	73,00	48,00	●	●	●	
17,500		18,00	123,00	73,00	48,00	●	●	●	
17,700		18,00	123,00	73,00	48,00	●	●	●	
18,000		18,00	123,00	73,00	48,00	●	●	●	
18,500		20,00	131,00	79,00	50,00	●	●	●	
19,000		20,00	131,00	79,00	50,00	●	●	●	
19,500		20,00	131,00	79,00	50,00	●	●	●	
20,000		20,00	131,00	79,00	50,00	●	●	●	

Ratioboher mit Kühlkanälen

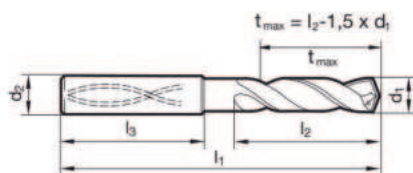


- P** • Ausspitzung $\geq \varnothing 3,000$ • Flächenanschliff • Hauptschneidenform gerade • optimierte Schneidengeometrie
- M** ○
- K** •
- N** ○ Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle • Stähle (legiert/unleg.) bis 1200 N/mm² • Gusswerkstoffe • Bronzen, Messing
- S** ○ • hochlegierte AlSi-Legierungen
- H** ○

Schneidstoff	VHM		
Oberfläche	F	F	F
Schaftform	HA	HE	HB
	SL	SL	SL

GÜHRINGNAVIGATOR




Schnittwerte siehe Seite 152



						Artikel-Nr.	5511	5611	5650
						Rabattgruppe	155	155	155
						Schneidrichtung	(R)	(R)	(R)
d1		d2 h6	l1	l2	l3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
2,500		4,00	57,00	20,00	31,70	•	•	•	
2,800		4,00	57,00	22,00	29,90	•	•	•	
2,900		4,00	57,00	23,00	29,00	•	•	•	
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	•	•	•	

						Artikel-Nr.	5511	5611	5650
						Rabattgruppe	155	155	155
						Schneidrichtung	(R)	(R)	(R)
d1		d2 h6	l1	l2	l3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
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	●	●	●	
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	●	●	●	
9,340		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	●	●	●	

						Artikel-Nr.	5511	5611	5650
						Rabattgruppe	155	155	155
						Schneidrichtung	(R)	(R)	(R)
d1		d2 h6	l1	l2	l3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
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	●	●	●	
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	●	●	●	
12,100		14,00	124,00	77,00	45,00	●	●	●	
12,200		14,00	124,00	77,00	45,00	●	●	●	
12,500		14,00	124,00	77,00	45,00	●	●	●	
12,600		14,00	124,00	77,00	45,00	●	●	●	
12,700	1/2	14,00	124,00	77,00	45,00	●	●	●	
12,800		14,00	124,00	77,00	45,00	●	●	●	
12,900		14,00	124,00	77,00	45,00	●	●	●	
13,000		14,00	124,00	77,00	45,00	●	●	●	
13,300		14,00	124,00	77,00	45,00	●	●	●	
13,400		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	●	●	●	
13,800		14,00	124,00	77,00	45,00	●	●	●	
14,000		14,00	124,00	77,00	45,00	●	●	●	
14,100		16,00	133,00	83,00	48,00	●	●	●	
14,200		16,00	133,00	83,00	48,00	●	●	●	
14,290	9/16	16,00	133,00	83,00	48,00	●	●	●	
14,400		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	●	●	●	
14,800		16,00	133,00	83,00	48,00	●	●	●	
15,000		16,00	133,00	83,00	48,00	●	●	●	
15,100		16,00	133,00	83,00	48,00	●	●	●	
15,200		16,00	133,00	83,00	48,00	●	●	●	
15,300		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	●	●	●	
15,800		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	●	●	●	
16,700		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	●	●	●	
17,700		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	●	●	●	

						Artikel-Nr.	5511	5611	5650
						Rabattgruppe	155	155	155
						Schneidrichtung			
d1		d2 h6	l1	l2	l3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
18,900		20,00	153,00	101,00	50,00	●			
19,000		20,00	153,00	101,00	50,00	●	●	●	
19,050	3/4	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	●	●	●	

Ratiobohrer mit Kühlkanälen

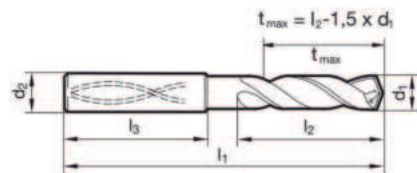


- P** • Ausspitzung $\geq \varnothing 3,000$ • Flächenanschliff • Hauptschneidenform gerade • optimierte Schneidengeometrie
- M** ○
- K** •
- N** ○ Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle • Stähle (legiert/unleg.) bis 1200 N/mm² • Gusswerkstoffe • Bronzen, Messing
- S** ○ • hochlegierte AISi-Legierungen
- H** ○

GÜHRINGNAVIGATOR

Schnittwerte siehe Seite 152



Schneidstoff	VHM	
Oberfläche	F	F
Schaftform	HA	HE



Artikel-Nr.	5512	5612
Rabattgruppe	155	155
Schneidrichtung	R	R

d1		d2 h6	l1	l2	l3	Verfügbarkeit	
mm	inch	mm	mm	mm	mm		
3,000		6,00	70,00	30,00	36,00	●	●
3,100		6,00	70,00	30,00	36,00	●	●
3,170	1/8	6,00	70,00	30,00	36,00	●	●
3,200		6,00	70,00	30,00	36,00	●	●
3,250		6,00	70,00	30,00	36,00	●	●
3,300		6,00	70,00	30,00	36,00	●	●
3,400		6,00	75,00	35,50	36,00	●	●
3,500		6,00	75,00	35,50	36,00	●	●
3,570	9/64	6,00	75,00	35,50	36,00	●	●
3,600		6,00	75,00	35,50	36,00	●	●
3,700		6,00	75,00	35,50	36,00	●	●
3,800		6,00	75,00	37,50	36,00	●	●
3,900		6,00	75,00	37,50	36,00	●	●
3,970	5/32	6,00	75,00	37,50	36,00	●	●
4,000		6,00	75,00	37,50	36,00	●	●
4,100		6,00	75,00	37,50	36,00	●	●
4,200		6,00	75,00	37,50	36,00	●	●
4,300		6,00	85,00	45,00	36,00	●	●
4,370	11/64	6,00	85,00	45,00	36,00	●	●
4,400		6,00	85,00	45,00	36,00	●	●
4,500		6,00	85,00	45,00	36,00	●	●
4,600		6,00	85,00	45,00	36,00	●	●
4,650		6,00	85,00	45,00	36,00	●	●
4,700		6,00	85,00	45,00	36,00	●	●
4,760	3/16	6,00	90,00	50,00	36,00	●	●
4,800		6,00	90,00	50,00	36,00	●	●
4,900		6,00	90,00	50,00	36,00	●	●
5,000		6,00	90,00	50,00	36,00	●	●
5,100		6,00	90,00	50,00	36,00	●	●
5,160	13/64	6,00	90,00	50,00	36,00	●	●
5,200		6,00	90,00	50,00	36,00	●	●
5,300		6,00	90,00	50,00	36,00	●	●
5,400		6,00	97,00	57,00	36,00	●	●
5,500		6,00	97,00	57,00	36,00	●	●
5,600		6,00	97,00	57,00	36,00	●	●
5,700		6,00	97,00	57,00	36,00	●	●

						Artikel-Nr.	5512	5612
						Rabattgruppe	155	155
						Schneidrichtung	(R)	(R)
d1		d2 h6	l1	l2	l3	Verfügbarkeit		
mm	inch	mm	mm	mm	mm			
5,800		6,00	97,00	57,00	36,00	●	●	
5,900		6,00	97,00	57,00	36,00	●	●	
6,000		6,00	97,00	57,00	36,00	●	●	
6,100		8,00	106,00	66,00	36,00	●		
6,200		8,00	106,00	66,00	36,00	●	●	
6,300		8,00	106,00	66,00	36,00	●	●	
6,350	1/4	8,00	106,00	66,00	36,00	●	●	
6,500		8,00	106,00	66,00	36,00	●	●	
6,600		8,00	106,00	66,00	36,00	●	●	
6,700		8,00	106,00	66,00	36,00	●	●	
6,800		8,00	106,00	66,00	36,00	●	●	
6,900		8,00	116,00	76,00	36,00	●	●	
7,000		8,00	116,00	76,00	36,00	●	●	
7,100		8,00	116,00	76,00	36,00	●	●	
7,200		8,00	116,00	76,00	36,00	●	●	
7,300		8,00	116,00	76,00	36,00	●		
7,400		8,00	116,00	76,00	36,00	●	●	
7,500		8,00	116,00	76,00	36,00	●	●	
7,600		8,00	116,00	76,00	36,00	●	●	
7,700		8,00	116,00	76,00	36,00	●	●	
7,800		8,00	116,00	76,00	36,00	●	●	
8,000		8,00	116,00	76,00	36,00	●	●	
8,100		10,00	131,00	87,00	40,00	●	●	
8,200		10,00	131,00	87,00	40,00	●	●	
8,400		10,00	131,00	87,00	40,00	●	●	
8,500		10,00	131,00	87,00	40,00	●	●	
8,600		10,00	131,00	87,00	40,00	●	●	
8,700		10,00	131,00	87,00	40,00	●	●	
8,800		10,00	131,00	87,00	40,00	●	●	
9,000		10,00	131,00	87,00	40,00	●	●	
9,100		10,00	139,00	95,00	40,00	●	●	
9,200		10,00	139,00	95,00	40,00	●	●	
9,300		10,00	139,00	95,00	40,00	●	●	
9,400		10,00	139,00	95,00	40,00	●	●	
9,500		10,00	139,00	95,00	40,00	●	●	
9,520	3/8	10,00	139,00	95,00	40,00	●	●	
9,700		10,00	139,00	95,00	40,00	●	●	
9,800		10,00	139,00	95,00	40,00	●	●	
9,900		10,00	139,00	95,00	40,00	●	●	
10,000		10,00	139,00	95,00	40,00	●	●	
10,200		12,00	155,00	106,00	45,00	●	●	
10,500		12,00	155,00	106,00	45,00	●	●	
10,700		12,00	155,00	106,00	45,00	●		
10,800		12,00	155,00	106,00	45,00	●	●	
11,000		12,00	155,00	106,00	45,00	●	●	
11,200		12,00	163,00	114,00	45,00	●	●	
11,500		12,00	163,00	114,00	45,00	●	●	
11,800		12,00	163,00	114,00	45,00	●	●	
12,000		12,00	163,00	114,00	45,00	●	●	
12,200		14,00	182,00	133,00	45,00	●	●	
12,500		14,00	182,00	133,00	45,00	●	●	
12,700	1/2	14,00	182,00	133,00	45,00	●	●	
13,000		14,00	182,00	133,00	45,00	●	●	
13,500		14,00	182,00	133,00	45,00	●	●	
14,000		14,00	182,00	133,00	45,00	●	●	
14,200		16,00	204,00	152,00	48,00	●	●	
14,500		16,00	204,00	152,00	48,00	●	●	
15,000		16,00	204,00	152,00	48,00	●	●	
15,500		16,00	204,00	152,00	48,00	●	●	
16,000		16,00	204,00	152,00	48,00	●	●	

						Artikel-Nr.	5512	5612
						Rabattgruppe	155	155
						Schneidrichtung		
d1		d2 h6	l1	l2	l3	Verfügbarkeit		
mm	inch	mm	mm	mm	mm			
16,500		18,00	223,00	171,00	48,00	●	●	
17,000		18,00	223,00	171,00	48,00	●	●	
17,500		18,00	223,00	171,00	48,00	●	●	
18,000		18,00	223,00	171,00	48,00	●	●	
18,500		20,00	244,00	190,00	50,00	●	●	
19,000		20,00	244,00	190,00	50,00	●	●	
19,050	3/4	20,00	244,00	190,00	50,00	●	●	
19,500		20,00	244,00	190,00	50,00	●	●	
20,000		20,00	244,00	190,00	50,00	●	●	

Ratiobohrer mit Kühlkanälen



P	•	Ausspitzung $\geq \varnothing 3,000$ • Flächenanschliff • Hauptschneidenform gerade • optimierte Schneidengeometrie
M	○	
K	•	
N	○	Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle • legierte Stähle bis 1200 N/mm ² • Gusswerkstoffe • Bronzen,
S	○	Messing • hochlegierte AISI-Legierungen
H		

Schneidstoff **VHM**

Oberfläche **F**

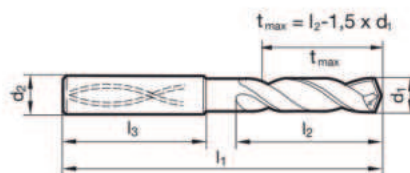
Schaftform **HA**

-SL



GÜHRINGNAVIGATOR

Schnittwerte siehe Seite 154



Artikel-Nr. **5525**

Rabattgruppe **155**

Schneidrichtung **R**

d1		d2 h6	l1	l2	l3	Verfügbarkeit
mm	inch	mm	mm	mm	mm	
3,000		6,00	90,00	50,00	36,00	•
3,100		6,00	90,00	50,00	36,00	•
3,170	1/8	6,00	90,00	50,00	36,00	•
3,200		6,00	90,00	50,00	36,00	•
3,250		6,00	90,00	50,00	36,00	•
3,300		6,00	90,00	50,00	36,00	•
3,400		6,00	90,00	50,00	36,00	•
3,500		6,00	90,00	50,00	36,00	•
3,600		6,00	90,00	50,00	36,00	•
3,700		6,00	90,00	50,00	36,00	•
3,800		6,00	102,00	64,00	36,00	•
3,900		6,00	102,00	64,00	36,00	•
4,000		6,00	102,00	64,00	36,00	•
4,100		6,00	102,00	64,00	36,00	•
4,200		6,00	102,00	64,00	36,00	•
4,300		6,00	102,00	64,00	36,00	•
4,400		6,00	102,00	64,00	36,00	•
4,500		6,00	102,00	64,00	36,00	•
4,600		6,00	102,00	64,00	36,00	•
4,650		6,00	102,00	64,00	36,00	•
4,700		6,00	102,00	64,00	36,00	•
4,800		6,00	116,00	78,00	36,00	•
4,900		6,00	116,00	78,00	36,00	•
5,000		6,00	116,00	78,00	36,00	•
5,100		6,00	116,00	78,00	36,00	•
5,200		6,00	116,00	78,00	36,00	•
5,300		6,00	116,00	78,00	36,00	•
5,400		6,00	116,00	78,00	36,00	•
5,500		6,00	116,00	78,00	36,00	•
5,600		6,00	116,00	78,00	36,00	•
5,700		6,00	116,00	78,00	36,00	•
5,800		6,00	116,00	78,00	36,00	•
5,900		6,00	116,00	78,00	36,00	•
5,950	15/64	6,00	116,00	78,00	36,00	•
6,000		6,00	116,00	78,00	36,00	•
6,100		8,00	146,00	108,00	36,00	•

Artikel-Nr. 5525

Rabattgruppe 155

Schneidrichtung 

d1		d2 h6	I1	I2	I3	Verfügbarkeit
mm	inch	mm	mm	mm	mm	
6,200		8,00	146,00	108,00	36,00	●
6,300		8,00	146,00	108,00	36,00	●
6,350	1/4	8,00	146,00	108,00	36,00	●
6,400		8,00	146,00	108,00	36,00	●
6,500		8,00	146,00	108,00	36,00	●
6,600		8,00	146,00	108,00	36,00	●
6,700		8,00	146,00	108,00	36,00	●
6,750	17/64	8,00	146,00	108,00	36,00	●
6,800		8,00	146,00	108,00	36,00	●
6,900		8,00	146,00	108,00	36,00	●
7,000		8,00	146,00	108,00	36,00	●
7,100		8,00	146,00	108,00	36,00	●
7,200		8,00	146,00	108,00	36,00	●
7,300		8,00	146,00	108,00	36,00	●
7,400		8,00	146,00	108,00	36,00	●
7,500		8,00	146,00	108,00	36,00	●
7,600		8,00	146,00	108,00	36,00	●
7,700		8,00	146,00	108,00	36,00	●
7,800		8,00	146,00	108,00	36,00	●
7,900		8,00	146,00	108,00	36,00	●
8,000		8,00	146,00	108,00	36,00	●
8,100		10,00	162,00	120,00	40,00	●
8,200		10,00	162,00	120,00	40,00	●
8,300		10,00	162,00	120,00	40,00	●
8,400		10,00	162,00	120,00	40,00	●
8,500		10,00	162,00	120,00	40,00	●
8,600		10,00	162,00	120,00	40,00	●
8,700		10,00	162,00	120,00	40,00	●
8,800		10,00	162,00	120,00	40,00	●
8,900		10,00	162,00	120,00	40,00	●
9,000		10,00	162,00	120,00	40,00	●
9,100		10,00	162,00	120,00	40,00	●
9,200		10,00	162,00	120,00	40,00	●
9,250		10,00	162,00	120,00	40,00	●
9,300		10,00	162,00	120,00	40,00	●
9,400		10,00	162,00	120,00	40,00	●
9,500		10,00	162,00	120,00	40,00	●
9,520	3/8	10,00	162,00	120,00	40,00	●
9,600		10,00	162,00	120,00	40,00	●
9,700		10,00	162,00	120,00	40,00	●
9,800		10,00	162,00	120,00	40,00	●
9,900		10,00	162,00	120,00	40,00	●
10,000		10,00	162,00	120,00	40,00	●
10,100		12,00	204,00	156,00	45,00	●
10,200		12,00	204,00	156,00	45,00	●
10,300		12,00	204,00	156,00	45,00	●
10,500		12,00	204,00	156,00	45,00	●
10,600		12,00	204,00	156,00	45,00	●
10,700		12,00	204,00	156,00	45,00	●
10,800		12,00	204,00	156,00	45,00	●
10,900		12,00	204,00	156,00	45,00	●
11,000		12,00	204,00	156,00	45,00	●
11,500		12,00	204,00	156,00	45,00	●
12,000		12,00	204,00	156,00	45,00	●
12,300	31/64	14,00	230,00	182,00	45,00	●
12,500		14,00	230,00	182,00	45,00	●
12,700	1/2	14,00	230,00	182,00	45,00	●
13,000		14,00	230,00	182,00	45,00	●
13,500		14,00	230,00	182,00	45,00	●
14,000		14,00	230,00	182,00	45,00	●

Artikel-Nr. 5525

Rabattgruppe 155

Schneidrichtung 

d1		d2 h6	l1	l2	l3	Verfügbarkeit
mm	inch	mm	mm	mm	mm	
14,500		16,00	260,00	208,00	48,00	●
15,000		16,00	260,00	208,00	48,00	●
15,500		16,00	260,00	208,00	48,00	●
16,000		16,00	260,00	208,00	48,00	●
16,500		18,00	285,00	234,00	48,00	●
17,000		18,00	285,00	234,00	48,00	●
17,500		18,00	285,00	234,00	48,00	●
18,000		18,00	285,00	234,00	48,00	●
18,500		20,00	310,00	258,00	50,00	●
19,000		20,00	310,00	258,00	50,00	●
19,050	3/4	20,00	310,00	258,00	50,00	●
19,500		20,00	310,00	258,00	50,00	●
20,000		20,00	310,00	258,00	50,00	●

Ratiobohrer mit Kühlkanälen



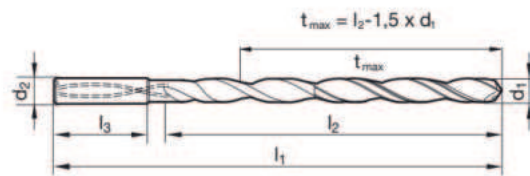
- P** • Ausspitzung $\geq \text{Ø } 3,000$ • Hauptschneidenform konkav • optimierter Nutquerschnitt • maximaler Kühlkanalquerschnitt • Kühlmitteldruck beachten
- M** •
- K** •
- N** ○ Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle
- S** ○ • legierte Stähle bis 1200 N/mm^2 • rostfreie Stähle • Gusswerkstoffe
- H** ○

Schneidstoff	VHM
Oberfläche	A
Schaftform	HA



GÜHRINGNAVIGATOR

Schnittwerte siehe Seite 154



Artikel-Nr. 6509

Rabattgruppe 165

Schneidrichtung

d1		d2 h6	l1	l2	l3	Verfügbarkeit
mm	inch	mm	mm	mm	mm	
3,000		6,00	95,00	55,00	36,00	●
3,100		6,00	106,00	66,00	36,00	●
3,170	1/8	6,00	106,00	66,00	36,00	●
3,200		6,00	106,00	66,00	36,00	●
3,300		6,00	106,00	66,00	36,00	●
3,500		6,00	116,00	76,00	36,00	●
3,570	9/64	6,00	116,00	76,00	36,00	●
3,700		6,00	116,00	76,00	36,00	●
3,800		6,00	116,00	76,00	36,00	●
3,970	5/32	6,00	116,00	76,00	36,00	●
4,000		6,00	116,00	76,00	36,00	●
4,100		6,00	133,00	93,00	36,00	●
4,200		6,00	133,00	93,00	36,00	●
4,300		6,00	133,00	93,00	36,00	●
4,370	11/64	6,00	133,00	93,00	36,00	●
4,500		6,00	133,00	93,00	36,00	●
4,600		6,00	133,00	93,00	36,00	●
4,760	3/16	6,00	133,00	93,00	36,00	●
4,800		6,00	133,00	93,00	36,00	●
5,000		6,00	133,00	93,00	36,00	●
5,100		6,00	150,00	110,00	36,00	●
5,160	13/64	6,00	150,00	110,00	36,00	●
5,410		6,00	150,00	110,00	36,00	●
5,500		6,00	150,00	110,00	36,00	●
5,560	7/32	6,00	150,00	110,00	36,00	●
5,600		6,00	150,00	110,00	36,00	●
5,800		6,00	150,00	110,00	36,00	●
5,950	15/64	6,00	150,00	110,00	36,00	●
6,000		6,00	150,00	110,00	36,00	●
6,300		8,00	167,00	127,00	36,00	●
6,350	1/4	8,00	167,00	127,00	36,00	●
6,500		8,00	167,00	127,00	36,00	●
6,750	17/64	8,00	167,00	127,00	36,00	●
6,800		8,00	167,00	127,00	36,00	●
7,000		8,00	167,00	127,00	36,00	●
7,140	9/32	8,00	183,00	143,00	36,00	●

Artikel-Nr. 6509

Rabattgruppe 165

Schneidrichtung 

d1		d2 h6	l1	l2	l3	Verfügbarkeit
mm	inch	mm	mm	mm	mm	
7,500		8,00	183,00	143,00	36,00	●
7,540	19/64	8,00	183,00	143,00	36,00	●
7,800		8,00	183,00	143,00	36,00	●
7,940	5/16	8,00	183,00	143,00	36,00	●
8,000		8,00	183,00	143,00	36,00	●
8,330	21/64	10,00	204,00	160,00	40,00	●
8,500		10,00	204,00	160,00	40,00	●
8,730	11/32	10,00	204,00	160,00	40,00	●
8,800		10,00	204,00	160,00	40,00	●
9,000		10,00	204,00	160,00	40,00	●
9,130	23/64	10,00	221,00	177,00	40,00	●
9,500		10,00	221,00	177,00	40,00	●
9,520	3/8	10,00	221,00	177,00	40,00	●
9,800		10,00	221,00	177,00	40,00	●
9,920	25/64	10,00	221,00	177,00	40,00	●
10,000		10,00	221,00	177,00	40,00	●
10,200		12,00	247,00	198,00	45,00	●
10,320	13/32	12,00	247,00	198,00	45,00	●
10,500		12,00	247,00	198,00	45,00	●
10,720	27/64	12,00	247,00	198,00	45,00	●
11,000		12,00	247,00	198,00	45,00	●
11,110	7/16	12,00	263,00	214,00	45,00	●
11,510	29/64	12,00	263,00	214,00	45,00	●
11,800		12,00	263,00	214,00	45,00	●
11,910	15/32	12,00	263,00	214,00	45,00	●
12,000		12,00	263,00	214,00	45,00	●
12,300	31/64	14,00	297,00	248,00	45,00	●
12,500		14,00	297,00	248,00	45,00	●
12,700	1/2	14,00	297,00	248,00	45,00	●
13,000		14,00	297,00	248,00	45,00	●
13,100	33/64	14,00	297,00	248,00	45,00	●
13,490	17/32	14,00	297,00	248,00	45,00	●
13,890	35/64	14,00	297,00	248,00	45,00	●
14,000		14,00	297,00	248,00	45,00	●
14,290	9/16	16,00	333,00	281,00	48,00	●
15,000		16,00	333,00	281,00	48,00	●
15,870	5/8	16,00	333,00	281,00	48,00	●
16,000		16,00	333,00	281,00	48,00	●

Ratioboher mit Kühlkanälen



Schneidstoff **VHM**

Oberfläche **A**

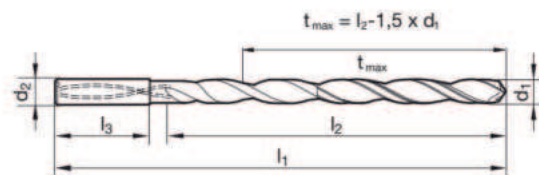
Schaftform **HA**

- P** • Ausspitzung $\geq \varnothing 3,000$ • Hauptschneidenform konkav • optimierter Nutquerschnitt • maximaler Kühlkanalquerschnitt • Kühlmitteldruck beachten
- M** •
- K** •
- N** ○ Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle
- S** ○ • legierte Stähle bis 1200 N/mm² • rostfreie Stähle • Gusswerkstoffe
- H** ○



GÜHRINGNAVIGATOR

Schnittwerte siehe Seite 154




Artikel-Nr. **6511**

Rabattgruppe **165**

Schneidrichtung **R**

d1		d2 h6	l1	l2	l3	Verfügbarkeit
mm	inch	mm	mm	mm	mm	
3,000		6,00	110,00	70,00	36,00	●
3,100		6,00	123,00	83,00	36,00	●
3,170	1/8	6,00	123,00	83,00	36,00	●
3,200		6,00	123,00	83,00	36,00	●
3,300		6,00	123,00	83,00	36,00	●
3,500		6,00	136,00	96,00	36,00	●
3,570	9/64	6,00	136,00	96,00	36,00	●
3,700		6,00	136,00	96,00	36,00	●
3,800		6,00	136,00	96,00	36,00	●
3,970	5/32	6,00	136,00	96,00	36,00	●
4,000		6,00	136,00	96,00	36,00	●
4,100		6,00	158,00	118,00	36,00	●
4,200		6,00	158,00	118,00	36,00	●
4,300		6,00	158,00	118,00	36,00	●
4,370	11/64	6,00	158,00	118,00	36,00	●
4,500		6,00	158,00	118,00	36,00	●
4,600		6,00	158,00	118,00	36,00	●
4,760	3/16	6,00	158,00	118,00	36,00	●
4,800		6,00	158,00	118,00	36,00	●
5,000		6,00	158,00	118,00	36,00	●
5,100		6,00	180,00	140,00	36,00	●
5,160	13/64	6,00	180,00	140,00	36,00	●
5,410		6,00	180,00	140,00	36,00	●
5,500		6,00	180,00	140,00	36,00	●
5,560	7/32	6,00	180,00	140,00	36,00	●
5,800		6,00	180,00	140,00	36,00	●
5,950	15/64	6,00	180,00	140,00	36,00	●
6,000		6,00	180,00	140,00	36,00	●
6,300		8,00	202,00	162,00	36,00	●
6,350	1/4	8,00	202,00	162,00	36,00	●
6,500		8,00	202,00	162,00	36,00	●
6,750	17/64	8,00	202,00	162,00	36,00	●
6,800		8,00	202,00	162,00	36,00	●
7,000		8,00	202,00	162,00	36,00	●
7,140	9/32	8,00	223,00	183,00	36,00	●
7,500		8,00	223,00	183,00	36,00	●

Artikel-Nr. 6511						Verfügbarkeit
Rabattgruppe 165						
Schneidrichtung 						
d1		d2 h6	l1	l2	l3	
mm	inch	mm	mm	mm	mm	
7,540	19/64	8,00	223,00	183,00	36,00	●
7,800		8,00	223,00	183,00	36,00	●
7,940	5/16	8,00	223,00	183,00	36,00	●
8,000		8,00	223,00	183,00	36,00	●
8,330	21/64	10,00	249,00	205,00	40,00	●
8,500		10,00	249,00	205,00	40,00	●
8,730	11/32	10,00	249,00	205,00	40,00	●
8,800		10,00	249,00	205,00	40,00	●
9,000		10,00	249,00	205,00	40,00	●
9,130	23/64	10,00	271,00	227,00	40,00	●
9,520	3/8	10,00	271,00	227,00	40,00	●
9,920	25/64	10,00	271,00	227,00	40,00	●
10,000		10,00	271,00	227,00	40,00	●
10,200		12,00	302,00	253,00	45,00	●
10,320	13/32	12,00	302,00	253,00	45,00	●
10,500		12,00	302,00	253,00	45,00	●
10,720	27/64	12,00	302,00	253,00	45,00	●
11,000		12,00	302,00	253,00	45,00	●
11,110	7/16	12,00	323,00	274,00	45,00	●
11,510	29/64	12,00	323,00	274,00	45,00	●
11,800		12,00	323,00	274,00	45,00	●
11,910	15/32	12,00	323,00	274,00	45,00	●
12,000		12,00	323,00	274,00	45,00	●
12,300	31/64	14,00	367,00	318,00	45,00	●
12,500		14,00	367,00	318,00	45,00	●
12,700	1/2	14,00	367,00	318,00	45,00	●
13,000		14,00	367,00	318,00	45,00	●
13,100	33/64	14,00	367,00	318,00	45,00	●
13,490	17/32	14,00	367,00	318,00	45,00	●
13,890	35/64	14,00	367,00	318,00	45,00	●
14,000		14,00	367,00	318,00	45,00	●
14,290	9/16	16,00	413,00	361,00	48,00	●
15,000		16,00	413,00	361,00	48,00	●
15,870	5/8	16,00	413,00	361,00	48,00	●
16,000		16,00	413,00	361,00	48,00	●

Ratiobohrer mit Kühlkanälen



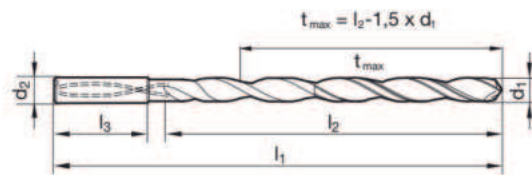
Schneidstoff	VHM
Oberfläche	A
Schaftform	HA



- P** • Ausspitzung $\geq \varnothing 3,000$ • Hauptschneidenform konkav • optimierter Nutquerschnitt • maximaler Kühlkanalquerschnitt • Kühlmitteldruck beachten
- M** •
- K** •
- N** ○ Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle
- S** ○ • legierte Stähle bis 1200 N/mm² • rostfreie Stähle • Gusswerkstoffe
- H** ○

GÜHRINGNAVIGATOR

Schnittwerte siehe Seite 154




Artikel-Nr. **6512**

Rabattgruppe **165**

Schneidrichtung **(R)**

d1		d2 h6	l1	l2	l3	Verfügbarkeit
mm	inch	mm	mm	mm	mm	
3,000		6,00	125,00	85,00	36,00	●
3,100		6,00	141,00	101,00	36,00	●
3,170	1/8	6,00	141,00	101,00	36,00	●
3,200		6,00	141,00	101,00	36,00	●
3,300		6,00	141,00	101,00	36,00	●
3,500		6,00	156,00	116,00	36,00	●
3,570	9/64	6,00	156,00	116,00	36,00	●
3,700		6,00	156,00	116,00	36,00	●
3,800		6,00	156,00	116,00	36,00	●
3,970	5/32	6,00	156,00	116,00	36,00	●
4,000		6,00	156,00	116,00	36,00	●
4,100		6,00	183,00	143,00	36,00	●
4,200		6,00	183,00	143,00	36,00	●
4,300		6,00	183,00	143,00	36,00	●
4,370	11/64	6,00	183,00	143,00	36,00	●
4,500		6,00	183,00	143,00	36,00	●
4,600		6,00	183,00	143,00	36,00	●
4,760	3/16	6,00	183,00	143,00	36,00	●
4,800		6,00	183,00	143,00	36,00	●
5,000		6,00	183,00	143,00	36,00	●
5,100		6,00	210,00	170,00	36,00	●
5,160	13/64	6,00	210,00	170,00	36,00	●
5,410		6,00	210,00	170,00	36,00	●
5,500		6,00	210,00	170,00	36,00	●
5,560	7/32	6,00	210,00	170,00	36,00	●
5,800		6,00	210,00	170,00	36,00	●
5,950	15/64	6,00	210,00	170,00	36,00	●
6,000		6,00	210,00	170,00	36,00	●
6,300		8,00	237,00	197,00	36,00	●
6,350	1/4	8,00	237,00	197,00	36,00	●
6,500		8,00	237,00	197,00	36,00	●
6,750	17/64	8,00	237,00	197,00	36,00	●
6,800		8,00	237,00	197,00	36,00	●
7,000		8,00	237,00	197,00	36,00	●
7,140	9/32	8,00	263,00	223,00	36,00	●
7,500		8,00	263,00	223,00	36,00	●

Artikel-Nr. 6512						Verfügbarkeit
Rabattgruppe 165						
Schneidrichtung 						
d1		d2 h6	l1	l2	l3	
mm	inch	mm	mm	mm	mm	
7,540	19/64	8,00	263,00	223,00	36,00	●
7,940	5/16	8,00	263,00	223,00	36,00	●
8,000		8,00	263,00	223,00	36,00	●
8,330	21/64	10,00	294,00	250,00	40,00	●
8,500		10,00	294,00	250,00	40,00	●
8,730	11/32	10,00	294,00	250,00	40,00	●
9,000		10,00	294,00	250,00	40,00	●
9,130	23/64	10,00	321,00	277,00	40,00	●
9,520	3/8	10,00	321,00	277,00	40,00	●
9,920	25/64	10,00	321,00	277,00	40,00	●
10,000		10,00	321,00	277,00	40,00	●
10,320	13/32	12,00	359,00	310,00	45,00	●
10,720	27/64	12,00	359,00	310,00	45,00	●
11,000		12,00	359,00	310,00	45,00	●
11,110	7/16	12,00	386,00	337,00	45,00	●
11,510	29/64	12,00	386,00	337,00	45,00	●
11,910	15/32	12,00	386,00	337,00	45,00	●
12,000		12,00	386,00	337,00	45,00	●
12,300	31/64	14,00	437,00	388,00	45,00	●
12,700	1/2	14,00	437,00	388,00	45,00	●
13,000		14,00	437,00	388,00	45,00	●
13,100	33/64	14,00	437,00	388,00	45,00	●
13,490	17/32	14,00	437,00	388,00	45,00	●
13,890	35/64	14,00	437,00	388,00	45,00	●
14,000		14,00	437,00	388,00	45,00	●
14,290	9/16	16,00	493,00	441,00	48,00	●
15,000		16,00	493,00	441,00	48,00	●
15,870	5/8	16,00	493,00	441,00	48,00	●
16,000		16,00	493,00	441,00	48,00	●

Ratiobohrer mit Kühlkanälen



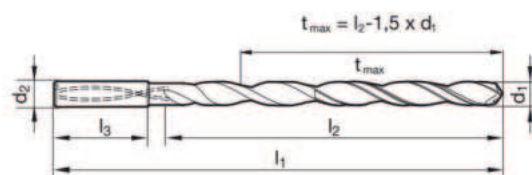
Schneidstoff	VHM
Oberfläche	A
Schaftform	HA

- P** • Ausspitzung $\geq \varnothing 3,000$ • Hauptschneidenform konkav • optimierter Nutquerschnitt • maximaler Kühlkanalquerschnitt • Kühlmitteldruck beachten
- M** •
- K** •
- N** ○ Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle
- S** ○ • legierte Stähle bis 1200 N/mm² • rostfreie Stähle • Gusswerkstoffe
- H** ○




GÜHRINGNAVIGATOR

Schnittwerte siehe Seite 154



Artikel-Nr.	6513
Rabattgruppe	165
Schneidrichtung	R

d1		d2 h6	l1	l2	l3	Verfügbarkeit
mm	inch	mm	mm	mm	mm	
3,000		6,00	140,00	100,00	36,00	●
3,100		6,00	158,00	118,00	36,00	●
3,170	1/8	6,00	158,00	118,00	36,00	●
3,200		6,00	158,00	118,00	36,00	●
3,300		6,00	158,00	118,00	36,00	●
3,500		6,00	176,00	136,00	36,00	●
3,570	9/64	6,00	176,00	136,00	36,00	●
3,700		6,00	176,00	136,00	36,00	●
3,800		6,00	176,00	136,00	36,00	●
3,970	5/32	6,00	176,00	136,00	36,00	●
4,000		6,00	176,00	136,00	36,00	●
4,100		6,00	208,00	168,00	36,00	●
4,200		6,00	208,00	168,00	36,00	●
4,370	11/64	6,00	208,00	168,00	36,00	●
4,500		6,00	208,00	168,00	36,00	●
4,760	3/16	6,00	208,00	168,00	36,00	●
5,000		6,00	208,00	168,00	36,00	●
5,100		6,00	240,00	200,00	36,00	●
5,160	13/64	6,00	240,00	200,00	36,00	●
5,410		6,00	240,00	200,00	36,00	●
5,500		6,00	240,00	200,00	36,00	●
5,560	7/32	6,00	240,00	200,00	36,00	●
5,950	15/64	6,00	240,00	200,00	36,00	●
6,000		6,00	240,00	200,00	36,00	●
6,300		8,00	272,00	232,00	36,00	●
6,350	1/4	8,00	272,00	232,00	36,00	●
6,500		8,00	272,00	232,00	36,00	●
6,750	17/64	8,00	272,00	232,00	36,00	●
6,800		8,00	272,00	232,00	36,00	●
7,000		8,00	272,00	232,00	36,00	●
7,140	9/32	8,00	303,00	263,00	36,00	●
7,500		8,00	303,00	263,00	36,00	●
7,540	19/64	8,00	303,00	263,00	36,00	●
7,940	5/16	8,00	303,00	263,00	36,00	●
8,000		8,00	303,00	263,00	36,00	●
8,330	21/64	10,00	339,00	295,00	40,00	●

Artikel-Nr. 6513						Verfügbarkeit
Rabattgruppe 165						
Schneidrichtung 						
d1		d2 h6	l1	l2	l3	
mm	inch	mm	mm	mm	mm	
8,500		10,00	339,00	295,00	40,00	●
8,730	11/32	10,00	339,00	295,00	40,00	●
8,800		10,00	339,00	295,00	40,00	●
9,000		10,00	339,00	295,00	40,00	●
9,130	23/64	10,00	371,00	327,00	40,00	●
9,520	3/8	10,00	371,00	327,00	40,00	●
9,920	25/64	10,00	371,00	327,00	40,00	●
10,000		10,00	371,00	327,00	40,00	●
10,320	13/32	12,00	412,00	363,00	45,00	●
10,720	27/64	12,00	412,00	363,00	45,00	●
11,000		12,00	412,00	363,00	45,00	●
11,110	7/16	12,00	443,00	394,00	45,00	●
11,510	29/64	12,00	443,00	394,00	45,00	●
11,910	15/32	12,00	443,00	394,00	45,00	●
12,000		12,00	443,00	394,00	45,00	●
12,300	31/64	14,00	507,00	458,00	45,00	●
12,700	1/2	14,00	507,00	458,00	45,00	●
13,000		14,00	507,00	458,00	45,00	●
13,100	33/64	14,00	507,00	458,00	45,00	●
13,490	17/32	14,00	507,00	458,00	45,00	●
13,890	35/64	14,00	507,00	458,00	45,00	●
14,000		14,00	507,00	458,00	45,00	●

Ratiobohrer mit Kühlkanälen

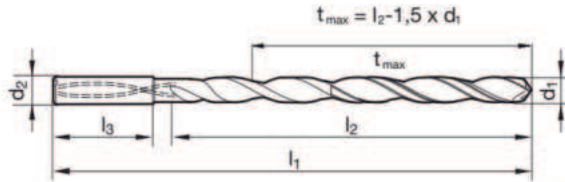
Artikel-Nr. 6514



Schnittwerte siehe Seite 424



Ausspitzung $\geq \varnothing 3,000$ • Hauptschneidenform konkav • optimierter Nutquerschnitt • maximaler Kühlkanalquerschnitt
 • Kühlmitteldruck beachten



Artikel-Nr. **6514**

d1 mm	inch	d2 h6 mm	l1 mm	l2 mm	l3 mm	Bestell-Nr.
3,000		6,0	170,0	130,0	36,0	6514 3.000
3,100		6,0	193,0	153,0	36,0	6514 3.100
3,170	1/8	6,0	193,0	153,0	36,0	6514 3.170
3,200		6,0	193,0	153,0	36,0	6514 3.200
3,300		6,0	193,0	153,0	36,0	6514 3.300
3,500		6,0	193,0	153,0	36,0	6514 3.500
3,570	9/64	6,0	216,0	176,0	36,0	6514 3.570
3,800		6,0	216,0	176,0	36,0	6514 3.800
3,970	5/32	6,0	216,0	176,0	36,0	6514 3.970
4,000		6,0	216,0	176,0	36,0	6514 4.000
4,200		6,0	238,0	198,0	36,0	6514 4.200
4,370	11/64	6,0	238,0	198,0	36,0	6514 4.370
4,500		6,0	238,0	198,0	36,0	6514 4.500
4,760	3/16	6,0	258,0	218,0	36,0	6514 4.760
5,000		6,0	258,0	218,0	36,0	6514 5.000
5,100		6,0	280,0	240,0	36,0	6514 5.100
5,160	13/64	6,0	280,0	240,0	36,0	6514 5.160
5,410		6,0	280,0	240,0	36,0	6514 5.410

Artikel-Nr. **6514**

d1 mm	inch	d2 h6 mm	l1 mm	l2 mm	l3 mm	Bestell-Nr.
5,500		6,0	280,0	240,0	36,0	6514 5.500
5,560	7/32	6,0	300,0	260,0	36,0	6514 5.560
5,950	15/64	6,0	300,0	260,0	36,0	6514 5.950
6,000		6,0	300,0	260,0	36,0	6514 6.000
6,300		8,0	322,0	282,0	36,0	6514 6.300
6,350	1/4	8,0	322,0	282,0	36,0	6514 6.350
6,500		8,0	322,0	282,0	36,0	6514 6.500
6,750	17/64	8,0	342,0	302,0	36,0	6514 6.750
6,800		8,0	342,0	302,0	36,0	6514 6.800
7,000		8,0	342,0	302,0	36,0	6514 7.000
7,140	9/32	8,0	363,0	323,0	36,0	6514 7.140
7,500		8,0	363,0	323,0	36,0	6514 7.500
7,540	19/64	8,0	383,0	343,0	36,0	6514 7.540
7,940	5/16	8,0	383,0	343,0	36,0	6514 7.940
8,000		8,0	383,0	343,0	36,0	6514 8.000
8,500		10,0	409,0	365,0	40,0	6514 8.500
9,000		10,0	429,0	386,0	40,0	6514 9.000
10,000		10,0	471,0	427,0	40,0	6514 10.000

Ratiobohrer ohne Kühlkanäle

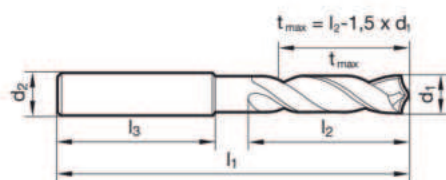


Schneidstoff	VHM		
Oberfläche	F	F	F
Schaftform	HA	HE	HB
	SL	SL	SL

- P** • Ausspitzung $\geq \varnothing 3,000$ • Flächenanschliff • Hauptschneidenform gerade • optimierte Schneidengeometrie
- M** ○
- K** •
- N** ○ Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle • Stähle (legiert/unleg.) bis 1200 N/mm² • Gusswerkstoffe • Bronzen, Messing
- S** ○ • hochlegierte AISi-Legierungen
- H** ○

GÜHRINGNAVIGATOR

Schnittwerte siehe Seite 152



Artikel-Nr.	5514	5614	6026
Rabattgruppe	155	155	155
Schneidrichtung	(R)	(R)	(R)

d1		d2 h6	l1	l2	l3	Verfügbarkeit		
mm	inch	mm	mm	mm	mm			
3,000		6,00	62,00	20,00	36,00	•	•	•
3,100		6,00	62,00	20,00	36,00	•	•	•
3,170	1/8	6,00	62,00	20,00	36,00	•	•	•
3,200		6,00	62,00	20,00	36,00	•	•	•
3,250		6,00	62,00	20,00	36,00	•	•	•
3,300		6,00	62,00	20,00	36,00	•	•	•
3,400		6,00	62,00	20,00	36,00	•	•	•
3,500		6,00	62,00	20,00	36,00	•	•	•
3,570	9/64	6,00	62,00	20,00	36,00	•	•	•
3,600		6,00	62,00	20,00	36,00	•	•	•
3,700		6,00	62,00	20,00	36,00	•	•	•
3,800		6,00	66,00	24,00	36,00	•	•	•
3,900		6,00	66,00	24,00	36,00	•	•	•
3,970	5/32	6,00	66,00	24,00	36,00	•	•	•
4,000		6,00	66,00	24,00	36,00	•	•	•
4,100		6,00	66,00	24,00	36,00	•	•	•
4,200		6,00	66,00	24,00	36,00	•	•	•
4,300		6,00	66,00	24,00	36,00	•	•	•
4,370	11/64	6,00	66,00	24,00	36,00	•	•	•
4,400		6,00	66,00	24,00	36,00	•	•	•
4,500		6,00	66,00	24,00	36,00	•	•	•
4,600		6,00	66,00	24,00	36,00	•	•	•
4,650		6,00	66,00	24,00	36,00	•	•	•
4,700		6,00	66,00	24,00	36,00	•	•	•
4,760	3/16	6,00	66,00	28,00	36,00	•	•	•
4,800		6,00	66,00	28,00	36,00	•	•	•
4,900		6,00	66,00	28,00	36,00	•	•	•
5,000		6,00	66,00	28,00	36,00	•	•	•
5,100		6,00	66,00	28,00	36,00	•	•	•
5,160	13/64	6,00	66,00	28,00	36,00	•	•	•
5,200		6,00	66,00	28,00	36,00	•	•	•
5,300		6,00	66,00	28,00	36,00	•	•	•
5,400		6,00	66,00	28,00	36,00	•	•	•
5,500		6,00	66,00	28,00	36,00	•	•	•
5,550		6,00	66,00	28,00	36,00	•	•	•
5,560	7/32	6,00	66,00	28,00	36,00	•	•	•

						Artikel-Nr.	5514	5614	6026
						Rabattgruppe	155	155	155
						Schneidrichtung	(R)	(R)	(R)
d1		d2 h6	l1	l2	l3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
5,600		6,00	66,00	28,00	36,00	•	•	•	
5,700		6,00	66,00	28,00	36,00	•	•	•	
5,800		6,00	66,00	28,00	36,00	•	•	•	
5,900		6,00	66,00	28,00	36,00	•	•	•	
5,950	15/64	6,00	66,00	28,00	36,00	•	•	•	
6,000		6,00	66,00	28,00	36,00	•	•	•	
6,100		8,00	79,00	34,00	36,00	•	•	•	
6,200		8,00	79,00	34,00	36,00	•	•	•	
6,300		8,00	79,00	34,00	36,00	•	•	•	
6,350	1/4	8,00	79,00	34,00	36,00	•	•	•	
6,400		8,00	79,00	34,00	36,00	•	•	•	
6,500		8,00	79,00	34,00	36,00	•	•	•	
6,600		8,00	79,00	34,00	36,00	•	•	•	
6,700		8,00	79,00	34,00	36,00	•	•	•	
6,750	17/64	8,00	79,00	34,00	36,00	•	•	•	
6,800		8,00	79,00	34,00	36,00	•	•	•	
6,900		8,00	79,00	34,00	36,00	•	•	•	
7,000		8,00	79,00	34,00	36,00	•	•	•	
7,100		8,00	79,00	41,00	36,00	•	•	•	
7,140	9/32	8,00	79,00	41,00	36,00	•	•	•	
7,200		8,00	79,00	41,00	36,00	•	•	•	
7,300		8,00	79,00	41,00	36,00	•	•	•	
7,400		8,00	79,00	41,00	36,00	•	•	•	
7,500		8,00	79,00	41,00	36,00	•	•	•	
7,540	19/64	8,00	79,00	41,00	36,00	•	•	•	
7,600		8,00	79,00	41,00	36,00	•	•	•	
7,700		8,00	79,00	41,00	36,00	•	•	•	
7,800		8,00	79,00	41,00	36,00	•	•	•	
7,900		8,00	79,00	41,00	36,00	•	•	•	
7,940	5/16	8,00	79,00	41,00	36,00	•	•	•	
8,000		8,00	79,00	41,00	36,00	•	•	•	
8,100		10,00	89,00	47,00	40,00	•	•	•	
8,200		10,00	89,00	47,00	40,00	•	•	•	
8,300		10,00	89,00	47,00	40,00	•	•	•	
8,330	21/64	10,00	89,00	47,00	40,00	•	•	•	
8,400		10,00	89,00	47,00	40,00	•	•	•	
8,500		10,00	89,00	47,00	40,00	•	•	•	
8,600		10,00	89,00	47,00	40,00	•	•	•	
8,700		10,00	89,00	47,00	40,00	•	•	•	
8,730	11/32	10,00	89,00	47,00	40,00	•	•	•	
8,800		10,00	89,00	47,00	40,00	•	•	•	
8,900		10,00	89,00	47,00	40,00	•	•	•	
9,000		10,00	89,00	47,00	40,00	•	•	•	
9,100		10,00	89,00	47,00	40,00	•	•	•	
9,130	23/64	10,00	89,00	47,00	40,00	•	•	•	
9,200		10,00	89,00	47,00	40,00	•	•	•	
9,250		10,00	89,00	47,00	40,00	•	•	•	
9,300		10,00	89,00	47,00	40,00	•	•	•	
9,400		10,00	89,00	47,00	40,00	•	•	•	
9,500		10,00	89,00	47,00	40,00	•	•	•	
9,520	3/8	10,00	89,00	47,00	40,00	•	•	•	
9,600		10,00	89,00	47,00	40,00	•	•	•	
9,700		10,00	89,00	47,00	40,00	•	•	•	
9,800		10,00	89,00	47,00	40,00	•	•	•	
9,900		10,00	89,00	47,00	40,00	•	•	•	
9,920	25/64	10,00	89,00	47,00	40,00	•	•	•	
10,000		10,00	89,00	47,00	40,00	•	•	•	
10,100		12,00	102,00	55,00	45,00	•	•	•	
10,200		12,00	102,00	55,00	45,00	•	•	•	
10,300		12,00	102,00	55,00	45,00	•	•	•	

						Artikel-Nr.	5514	5614	6026
						Rabattgruppe	155	155	155
						Schneidrichtung	(R)	(R)	(R)
d1		d2 h6	l1	l2	l3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
10,320	13/32	12,00	102,00	55,00	45,00	•	•	•	
10,400		12,00	102,00	55,00	45,00	•	•	•	
10,500		12,00	102,00	55,00	45,00	•	•	•	
10,600		12,00	102,00	55,00	45,00	•	•	•	
10,700		12,00	102,00	55,00	45,00	•	•	•	
10,800		12,00	102,00	55,00	45,00	•	•	•	
10,900		12,00	102,00	55,00	45,00	•	•	•	
11,000		12,00	102,00	55,00	45,00	•	•	•	
11,100		12,00	102,00	55,00	45,00	•	•	•	
11,110	7/16	12,00	102,00	55,00	45,00	•	•	•	
11,200		12,00	102,00	55,00	45,00	•	•	•	
11,300		12,00	102,00	55,00	45,00	•	•	•	
11,400		12,00	102,00	55,00	45,00	•	•	•	
11,500		12,00	102,00	55,00	45,00	•	•	•	
11,600		12,00	102,00	55,00	45,00	•	•	•	
11,700		12,00	102,00	55,00	45,00	•	•	•	
11,800		12,00	102,00	55,00	45,00	•	•	•	
11,900		12,00	102,00	55,00	45,00	•	•	•	
11,910	15/32	12,00	102,00	55,00	45,00	•	•	•	
12,000		12,00	102,00	55,00	45,00	•	•	•	
12,200		14,00	107,00	60,00	45,00	•	•	•	
12,500		14,00	107,00	60,00	45,00	•	•	•	
12,700	1/2	14,00	107,00	60,00	45,00	•	•	•	
12,800		14,00	107,00	60,00	45,00	•	•	•	
13,000		14,00	107,00	60,00	45,00	•	•	•	
13,200		14,00	107,00	60,00	45,00	•	•	•	
13,500		14,00	107,00	60,00	45,00	•	•	•	
13,700		14,00	107,00	60,00	45,00	•	•	•	
14,000		14,00	107,00	60,00	45,00	•	•	•	
14,200		16,00	115,00	65,00	48,00	•	•	•	
14,290	9/16	16,00	115,00	65,00	48,00	•	•	•	
14,500		16,00	115,00	65,00	48,00	•	•	•	
14,700		16,00	115,00	65,00	48,00	•	•	•	
15,000		16,00	115,00	65,00	48,00	•	•	•	
15,200		16,00	115,00	65,00	48,00	•	•	•	
15,500		16,00	115,00	65,00	48,00	•	•	•	
15,700		16,00	115,00	65,00	48,00	•	•	•	
16,000		16,00	115,00	65,00	48,00	•	•	•	
16,500		18,00	123,00	73,00	48,00	•	•	•	
17,000		18,00	123,00	73,00	48,00	•	•	•	
17,500		18,00	123,00	73,00	48,00	•	•	•	
18,000		18,00	123,00	73,00	48,00	•	•	•	
18,500		20,00	131,00	79,00	50,00	•	•	•	
19,000		20,00	131,00	79,00	50,00	•	•	•	
19,500		20,00	131,00	79,00	50,00	•	•	•	
20,000		20,00	131,00	79,00	50,00	•	•	•	

Ratiobohrer ohne Kühlkanäle

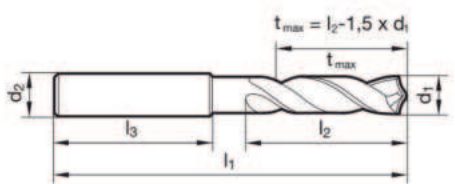


Schneidstoff	VHM		
Oberfläche	F	F	F
Schaftform	HA	HE	HB
	-SL	-SL	-SL

- P** • Ausspitzung ≥ Ø 3,000 • Flächenanschliff • Hauptschneidenform gerade • optimierte Schneidengeometrie
- M** ○
- K** •
- N** ○ Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle • Stähle (legiert/unleg.) bis 1200 N/mm² • Gusswerkstoffe • Bronzen, Messing
- S** ○ • hochlegierte AISi-Legierungen
- H** ○

GÜHRINGNAVIGATOR

Schnittwerte siehe Seite 152



						Artikel-Nr.	5515	5615	5651
						Rabattgruppe	155	155	155
						Schneidrichtung			
d1		d2 h6	l1	l2	l3	Verfügbarkeit			
mm	inch	mm	mm	mm	mm				
2,500		4,00	57,00	20,00	31,70	•			
2,800		4,00	57,00	22,00	29,90	•			
2,900		4,00	57,00	23,00	29,00	•			
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	•	•	•	

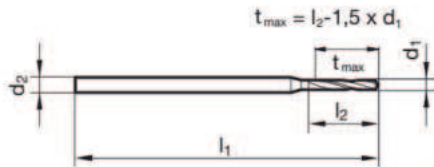


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P	M	K	N	S	H
•	•	•	○	○	

Ausspitzung ≥ Ø 0,500 • Flächenanschliff • Hauptschneidenform gerade • geschliffener Schneidenabzug



Artikel-Nr.				6400	Artikel-Nr.				6400
d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.	d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.
0,500	3,0	47,0	3,0	6400 0.500	1,950	3,0	52,0	11,7	6400 1.950
0,550	3,0	47,0	3,3	6400 0.550	1,980	4,0	59,0	12,0	6400 1.980
0,600	3,0	47,0	3,6	6400 0.600	2,000	4,0	59,0	12,0	6400 2.000
0,650	3,0	47,0	3,9	6400 0.650	2,050	4,0	59,0	12,3	6400 2.050
0,700	3,0	47,0	4,2	6400 0.700	2,100	4,0	59,0	12,6	6400 2.100
0,750	3,0	47,0	4,5	6400 0.750	2,150	4,0	59,0	12,9	6400 2.150
0,800	3,0	47,0	4,8	6400 0.800	2,200	4,0	59,0	13,2	6400 2.200
0,850	3,0	47,0	5,1	6400 0.850	2,250	4,0	59,0	13,5	6400 2.250
0,900	3,0	47,0	5,4	6400 0.900	2,300	4,0	59,0	13,8	6400 2.300
0,950	3,0	47,0	5,7	6400 0.950	2,350	4,0	59,0	14,1	6400 2.350
1,000	3,0	47,0	6,0	6400 1.000	2,380	4,0	59,0	14,4	6400 2.380
1,050	3,0	47,0	6,3	6400 1.050	2,400	4,0	59,0	14,4	6400 2.400
1,100	3,0	47,0	6,6	6400 1.100	2,450	4,0	59,0	14,7	6400 2.450
1,150	3,0	47,0	6,9	6400 1.150	2,500	4,0	59,0	15,0	6400 2.500
1,200	3,0	47,0	7,2	6400 1.200	2,550	4,0	59,0	15,3	6400 2.550
1,250	3,0	47,0	7,5	6400 1.250	2,600	4,0	59,0	15,6	6400 2.600
1,300	3,0	47,0	7,8	6400 1.300	2,650	4,0	59,0	15,9	6400 2.650
1,350	3,0	47,0	8,1	6400 1.350	2,700	4,0	59,0	16,2	6400 2.700
1,400	3,0	47,0	8,4	6400 1.400	2,750	4,0	59,0	16,5	6400 2.750
1,450	3,0	47,0	8,7	6400 1.450	2,780	4,0	59,0	16,8	6400 2.780
1,500	3,0	47,0	9,0	6400 1.500	2,800	4,0	59,0	16,8	6400 2.800
1,550	3,0	47,0	9,3	6400 1.550	2,850	4,0	59,0	17,1	6400 2.850
1,590	3,0	47,0	9,6	6400 1.590	2,900	4,0	59,0	17,4	6400 2.900
1,600	3,0	47,0	9,6	6400 1.600	2,950	4,0	59,0	17,7	6400 2.950
1,650	3,0	47,0	9,9	6400 1.650	3,000	4,0	59,0	18,0	6400 3.000
1,700	3,0	47,0	10,2	6400 1.700					
1,750	3,0	47,0	10,5	6400 1.750					
1,800	3,0	52,0	10,8	6400 1.800					
1,850	3,0	52,0	11,1	6400 1.850					
1,900	3,0	52,0	11,4	6400 1.900					

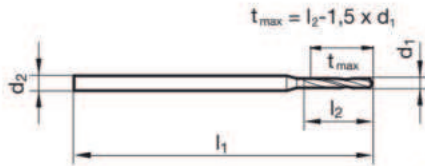


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P	M	K	N	S	H
●	●	●	○	○	

Ausspitzung ≥ Ø 0,500 • Flächenanschliff • Hauptschneidenform gerade • geschliffener Schneidenabzug



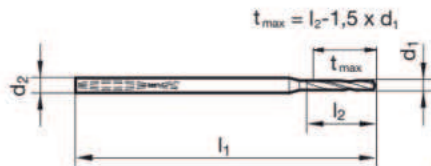
Artikel-Nr.				6401	Artikel-Nr.				6401
d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.	d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.
0,500	3,0	47,0	4,0	6401 0.500	1,950	3,0	52,0	17,6	6401 1.950
0,550	3,0	47,0	4,4	6401 0.550	1,980	4,0	63,0	18,0	6401 1.980
0,600	3,0	47,0	4,8	6401 0.600	2,000	4,0	63,0	18,0	6401 2.000
0,650	3,0	47,0	5,2	6401 0.650	2,050	4,0	63,0	18,5	6401 2.050
0,700	3,0	47,0	5,6	6401 0.700	2,100	4,0	63,0	18,9	6401 2.100
0,750	3,0	47,0	6,0	6401 0.750	2,150	4,0	63,0	19,4	6401 2.150
0,800	3,0	47,0	6,4	6401 0.800	2,200	4,0	63,0	19,8	6401 2.200
0,850	3,0	47,0	6,8	6401 0.850	2,250	4,0	63,0	20,3	6401 2.250
0,900	3,0	47,0	7,2	6401 0.900	2,300	4,0	63,0	20,7	6401 2.300
0,950	3,0	47,0	7,6	6401 0.950	2,350	4,0	63,0	21,2	6401 2.350
1,000	3,0	47,0	8,0	6401 1.000	2,380	4,0	63,0	21,6	6401 2.380
1,050	3,0	47,0	8,4	6401 1.050	2,400	4,0	63,0	21,6	6401 2.400
1,100	3,0	47,0	8,8	6401 1.100	2,450	4,0	63,0	22,1	6401 2.450
1,150	3,0	47,0	9,2	6401 1.150	2,500	4,0	63,0	22,5	6401 2.500
1,200	3,0	52,0	10,8	6401 1.200	2,550	4,0	63,0	23,0	6401 2.550
1,250	3,0	52,0	11,3	6401 1.250	2,600	4,0	67,0	23,4	6401 2.600
1,300	3,0	52,0	11,7	6401 1.300	2,650	4,0	67,0	23,9	6401 2.650
1,350	3,0	52,0	12,2	6401 1.350	2,700	4,0	67,0	24,3	6401 2.700
1,400	3,0	52,0	12,6	6401 1.400	2,750	4,0	67,0	24,8	6401 2.750
1,450	3,0	52,0	13,1	6401 1.450	2,780	4,0	67,0	25,2	6401 2.780
1,500	3,0	52,0	13,5	6401 1.500	2,800	4,0	67,0	25,2	6401 2.800
1,550	3,0	52,0	14,0	6401 1.550	2,850	4,0	67,0	25,7	6401 2.850
1,590	3,0	52,0	14,4	6401 1.590	2,900	4,0	67,0	26,1	6401 2.900
1,600	3,0	52,0	14,4	6401 1.600	2,950	4,0	67,0	26,6	6401 2.950
1,650	3,0	52,0	14,9	6401 1.650	3,000	4,0	67,0	27,0	6401 3.000
1,700	3,0	52,0	15,3	6401 1.700					
1,750	3,0	52,0	15,8	6401 1.750					
1,800	3,0	52,0	16,2	6401 1.800					
1,850	3,0	52,0	16,7	6401 1.850					
1,900	3,0	52,0	17,1	6401 1.900					



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Ausspitzung $\geq \varnothing 1,000$ • Flächenanschliff • Hauptschneidenform gerade • mit Hauptschneidenabzug



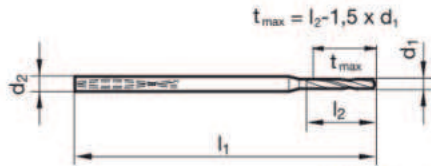
Artikel-Nr.				6405	Artikel-Nr.				6405
d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.	d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.
1,000	3,0	48,0	8,0	6405 1.000	2,200	4,0	62,0	18,0	6405 2.200
1,020	3,0	48,0	8,5	6405 1.020	2,250	4,0	62,0	18,0	6405 2.250
1,050	3,0	48,0	8,5	6405 1.050	2,300	4,0	62,0	18,0	6405 2.300
1,100	3,0	48,0	9,0	6405 1.100	2,320	4,0	62,0	19,0	6405 2.320
1,150	3,0	48,0	9,5	6405 1.150	2,350	4,0	62,0	19,0	6405 2.350
1,180	3,0	48,0	9,5	6405 1.180	2,380	4,0	62,0	19,0	6405 2.380
1,190	3,0	48,0	10,0	6405 1.190	2,400	4,0	62,0	19,0	6405 2.400
1,200	3,0	48,0	10,0	6405 1.200	2,450	4,0	62,0	20,0	6405 2.450
1,250	3,0	48,0	10,0	6405 1.250	2,500	4,0	62,0	20,0	6405 2.500
1,280	3,0	48,0	10,5	6405 1.280	2,550	4,0	62,0	20,0	6405 2.550
1,300	3,0	48,0	10,5	6405 1.300	2,600	4,0	66,0	21,0	6405 2.600
1,350	3,0	48,0	11,0	6405 1.350	2,650	4,0	66,0	21,0	6405 2.650
1,400	4,0	52,0	11,0	6405 1.400	2,700	4,0	66,0	22,0	6405 2.700
1,450	4,0	52,0	12,0	6405 1.450	2,750	4,0	66,0	22,0	6405 2.750
1,500	4,0	52,0	12,0	6405 1.500	2,780	4,0	66,0	22,0	6405 2.780
1,550	4,0	52,0	12,0	6405 1.550	2,800	4,0	66,0	22,0	6405 2.800
1,590	4,0	52,0	13,0	6405 1.590	2,850	4,0	66,0	23,0	6405 2.850
1,600	4,0	52,0	13,0	6405 1.600	2,900	4,0	66,0	23,0	6405 2.900
1,650	4,0	52,0	13,0	6405 1.650	2,950	4,0	66,0	24,0	6405 2.950
1,700	4,0	56,0	14,0	6405 1.700	3,000	4,0	66,0	24,0	6405 3.000
1,750	4,0	56,0	14,0	6405 1.750					
1,800	4,0	56,0	14,0	6405 1.800					
1,850	4,0	56,0	15,0	6405 1.850					
1,900	4,0	56,0	15,0	6405 1.900					
1,950	4,0	56,0	16,0	6405 1.950					
1,980	4,0	56,0	16,0	6405 1.980					
2,000	4,0	56,0	16,0	6405 2.000					
2,050	4,0	56,0	16,0	6405 2.050					
2,100	4,0	62,0	17,0	6405 2.100					
2,150	4,0	62,0	17,0	6405 2.150					



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Ausspitzung $\geq \varnothing 1,000$ • Flächenanschliff • Hauptschneidenform gerade • mit Hauptschneidenabzug



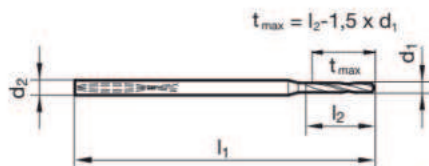
Artikel-Nr. 6408				Artikel-Nr. 6408					
d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.	d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.
1,000	3,0	48,0	11,0	6408 1.000	2,200	4,0	62,0	24,0	6408 2.200
1,020	3,0	48,0	11,5	6408 1.020	2,250	4,0	62,0	25,0	6408 2.250
1,050	3,0	48,0	12,0	6408 1.050	2,300	4,0	62,0	25,0	6408 2.300
1,100	3,0	48,0	12,5	6408 1.100	2,320	4,0	62,0	26,0	6408 2.320
1,150	3,0	48,0	13,0	6408 1.150	2,350	4,0	62,0	26,0	6408 2.350
1,180	3,0	48,0	13,0	6408 1.180	2,380	4,0	62,0	26,0	6408 2.380
1,190	3,0	48,0	13,5	6408 1.190	2,400	4,0	62,0	26,0	6408 2.400
1,200	3,0	48,0	13,5	6408 1.200	2,450	4,0	62,0	27,0	6408 2.450
1,250	3,0	48,0	14,0	6408 1.250	2,500	4,0	62,0	28,0	6408 2.500
1,280	3,0	48,0	14,5	6408 1.280	2,550	4,0	62,0	28,0	6408 2.550
1,300	3,0	48,0	14,5	6408 1.300	2,600	4,0	66,0	29,0	6408 2.600
1,350	3,0	48,0	15,0	6408 1.350	2,650	4,0	66,0	29,0	6408 2.650
1,400	4,0	52,0	15,0	6408 1.400	2,700	4,0	66,0	30,0	6408 2.700
1,450	4,0	52,0	16,0	6408 1.450	2,750	4,0	66,0	30,0	6408 2.750
1,500	4,0	52,0	17,0	6408 1.500	2,780	4,0	66,0	31,0	6408 2.780
1,550	4,0	52,0	17,0	6408 1.550	2,800	4,0	66,0	31,0	6408 2.800
1,590	4,0	52,0	18,0	6408 1.590	2,850	4,0	66,0	31,0	6408 2.850
1,600	4,0	52,0	18,0	6408 1.600	2,900	4,0	66,0	32,0	6408 2.900
1,650	4,0	52,0	18,0	6408 1.650	2,950	4,0	66,0	32,0	6408 2.950
1,700	4,0	56,0	19,0	6408 1.700	3,000	4,0	66,0	33,0	6408 3.000
1,750	4,0	56,0	19,0	6408 1.750					
1,800	4,0	56,0	20,0	6408 1.800					
1,850	4,0	56,0	20,0	6408 1.850					
1,900	4,0	56,0	21,0	6408 1.900					
1,950	4,0	56,0	21,0	6408 1.950					
1,980	4,0	56,0	22,0	6408 1.980					
2,000	4,0	56,0	22,0	6408 2.000					
2,050	4,0	56,0	23,0	6408 2.050					
2,100	4,0	62,0	23,0	6408 2.100					
2,150	4,0	62,0	24,0	6408 2.150					



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Ausspitzung $\geq \varnothing 1,000$ • Flächenanschliff • Hauptschneidenform gerade • mit Hauptschneidenabzug



Artikel-Nr.				6412	Artikel-Nr.				6412
d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.	d1 mm	d2 h6 mm	l1 mm	l2 mm	Bestell-Nr.
1,000	3,0	56,0	18,0	6412 1.000	2,200	4,0	78,0	40,0	6412 2.200
1,020	3,0	56,0	18,5	6412 1.020	2,250	4,0	78,0	42,0	6412 2.250
1,050	3,0	56,0	19,0	6412 1.050	2,300	4,0	78,0	42,0	6412 2.300
1,100	3,0	56,0	20,0	6412 1.100	2,320	4,0	78,0	44,0	6412 2.320
1,150	3,0	56,0	21,0	6412 1.150	2,350	4,0	78,0	44,0	6412 2.350
1,180	3,0	56,0	21,5	6412 1.180	2,380	4,0	78,0	44,0	6412 2.380
1,190	3,0	56,0	21,5	6412 1.190	2,400	4,0	78,0	44,0	6412 2.400
1,200	3,0	56,0	22,0	6412 1.200	2,450	4,0	78,0	45,0	6412 2.450
1,250	3,0	56,0	22,5	6412 1.250	2,500	4,0	78,0	45,0	6412 2.500
1,280	3,0	56,0	23,5	6412 1.280	2,550	4,0	78,0	45,0	6412 2.550
1,300	3,0	56,0	23,5	6412 1.300	2,600	4,0	87,0	47,0	6412 2.600
1,350	3,0	56,0	24,5	6412 1.350	2,650	4,0	87,0	48,0	6412 2.650
1,400	4,0	62,0	25,0	6412 1.400	2,700	4,0	87,0	48,0	6412 2.700
1,450	4,0	62,0	27,0	6412 1.450	2,750	4,0	87,0	50,0	6412 2.750
1,500	4,0	62,0	27,0	6412 1.500	2,780	4,0	87,0	50,0	6412 2.780
1,550	4,0	62,0	29,0	6412 1.550	2,800	4,0	87,0	50,0	6412 2.800
1,590	4,0	62,0	29,0	6412 1.590	2,850	4,0	87,0	52,0	6412 2.850
1,600	4,0	62,0	29,0	6412 1.600	2,900	4,0	87,0	52,0	6412 2.900
1,650	4,0	62,0	29,0	6412 1.650	2,950	4,0	87,0	54,0	6412 2.950
1,700	4,0	70,0	31,0	6412 1.700	3,000	4,0	87,0	54,0	6412 3.000
1,750	4,0	70,0	32,0	6412 1.750					
1,800	4,0	70,0	32,0	6412 1.800					
1,850	4,0	70,0	34,0	6412 1.850					
1,900	4,0	70,0	34,0	6412 1.900					
1,950	4,0	70,0	36,0	6412 1.950					
1,980	4,0	70,0	36,0	6412 1.980					
2,000	4,0	70,0	36,0	6412 2.000					
2,050	4,0	70,0	36,0	6412 2.050					
2,100	4,0	78,0	38,0	6412 2.100					
2,150	4,0	78,0	40,0	6412 2.150					