



# HARTNER

## TS 100 HPC

Artikel-Nr. 89460



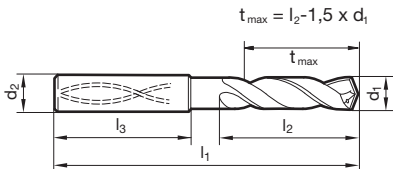
P	M	K	N	S	H
●	○	○	○	○	○



Kegelmantelanschliff • Hauptschneide konkav • optimierte Schneidengeometrie • höchste Leistungsfähigkeit

für die Hochleistungsbearbeitung in Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle

Stähle (legiert/unleg.) bis 1400 N/mm<sup>2</sup> • rost-/säure-/hitzebeständige Stähle • Titan und Titanlegierungen • Sonderlegierungen



d1		d2	l1	l2	l3	d1		d2	l1	l2	l3
mm	inch	mm	mm	mm	mm	mm	inch	mm	mm	mm	mm
3,000		6,000	66,000	28,000	36,000	5,900		6,000	82,000	44,000	36,000
3,100		6,000	66,000	28,000	36,000	5,950	15/64	6,000	82,000	44,000	36,000
3,170	1/8	6,000	66,000	28,000	36,000	6,000		6,000	82,000	44,000	36,000
3,200		6,000	66,000	28,000	36,000	6,100		8,000	91,000	53,000	36,000
3,250		6,000	66,000	28,000	36,000	6,200		8,000	91,000	53,000	36,000
3,300		6,000	66,000	28,000	36,000	6,300		8,000	91,000	53,000	36,000
3,400		6,000	66,000	28,000	36,000	6,350	1/4	8,000	91,000	53,000	36,000
3,500		6,000	66,000	28,000	36,000	6,400		8,000	91,000	53,000	36,000
3,570	9/64	6,000	66,000	28,000	36,000	6,500		8,000	91,000	53,000	36,000
3,600		6,000	66,000	28,000	36,000	6,530		8,000	91,000	53,000	36,000
3,700		6,000	66,000	28,000	36,000	6,550		8,000	91,000	53,000	36,000
3,800		6,000	74,000	36,000	36,000	6,600		8,000	91,000	53,000	36,000
3,900		6,000	74,000	36,000	36,000	6,700		8,000	91,000	53,000	36,000
3,970	5/32	6,000	74,000	36,000	36,000	6,750	17/64	8,000	91,000	53,000	36,000
4,000		6,000	74,000	36,000	36,000	6,800		8,000	91,000	53,000	36,000
4,040		6,000	74,000	36,000	36,000	6,900		8,000	91,000	53,000	36,000
4,100		6,000	74,000	36,000	36,000	7,000		8,000	91,000	53,000	36,000
4,200		6,000	74,000	36,000	36,000	7,100		8,000	91,000	53,000	36,000
4,300		6,000	74,000	36,000	36,000	7,140	9/32	8,000	91,000	53,000	36,000
4,370	11/64	6,000	74,000	36,000	36,000	7,200		8,000	91,000	53,000	36,000
4,400		6,000	74,000	36,000	36,000	7,300		8,000	91,000	53,000	36,000
4,500		6,000	74,000	36,000	36,000	7,400		8,000	91,000	53,000	36,000
4,600		6,000	74,000	36,000	36,000	7,500		8,000	91,000	53,000	36,000
4,650		6,000	74,000	36,000	36,000	7,540	19/64	8,000	91,000	53,000	36,000
4,700		6,000	74,000	36,000	36,000	7,550		8,000	91,000	53,000	36,000
4,760	3/16	6,000	82,000	44,000	36,000	7,600		8,000	91,000	53,000	36,000
4,800		6,000	82,000	44,000	36,000	7,650		8,000	91,000	53,000	36,000
4,900		6,000	82,000	44,000	36,000	7,700		8,000	91,000	53,000	36,000
5,000		6,000	82,000	44,000	36,000	7,800		8,000	91,000	53,000	36,000
5,100		6,000	82,000	44,000	36,000	7,900		8,000	91,000	53,000	36,000
5,110		6,000	82,000	44,000	36,000	7,940	5/16	8,000	91,000	53,000	36,000
5,160	13/64	6,000	82,000	44,000	36,000	8,000		8,000	91,000	53,000	36,000
5,200		6,000	82,000	44,000	36,000	8,100		10,000	103,000	61,000	40,000
5,300		6,000	82,000	44,000	36,000	8,200		10,000	103,000	61,000	40,000
5,400		6,000	82,000	44,000	36,000	8,300		10,000	103,000	61,000	40,000
5,410		6,000	82,000	44,000	36,000	8,330	21/64	10,000	103,000	61,000	40,000
5,500		6,000	82,000	44,000	36,000	8,400		10,000	103,000	61,000	40,000
5,550		6,000	82,000	44,000	36,000	8,500		10,000	103,000	61,000	40,000
5,560	7/32	6,000	82,000	44,000	36,000	8,600		10,000	103,000	61,000	40,000
5,600		6,000	82,000	44,000	36,000	8,700		10,000	103,000	61,000	40,000
5,700		6,000	82,000	44,000	36,000	8,730	11/32	10,000	103,000	61,000	40,000
5,800		6,000	82,000	44,000	36,000	8,800		10,000	103,000	61,000	40,000



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d1 mm	inch	d2 mm	l1 mm	l2 mm	l3 mm	d1 mm	inch	d2 mm	l1 mm	l2 mm	l3 mm
8,900		10,000	103,000	61,000	40,000	14,100		16,000	133,000	83,000	48,000
9,000		10,000	103,000	61,000	40,000	14,200		16,000	133,000	83,000	48,000
9,100		10,000	103,000	61,000	40,000	14,290	9/16	16,000	133,000	83,000	48,000
9,130	23/64	10,000	103,000	61,000	40,000	14,300		16,000	133,000	83,000	48,000
9,200		10,000	103,000	61,000	40,000	14,400		16,000	133,000	83,000	48,000
9,250		10,000	103,000	61,000	40,000	14,500		16,000	133,000	83,000	48,000
9,300		10,000	103,000	61,000	40,000	14,600		16,000	133,000	83,000	48,000
9,340		10,000	103,000	61,000	40,000	14,680	37/64	16,000	133,000	83,000	48,000
9,400		10,000	103,000	61,000	40,000	14,700		16,000	133,000	83,000	48,000
9,500		10,000	103,000	61,000	40,000	14,800		16,000	133,000	83,000	48,000
9,520	3/8	10,000	103,000	61,000	40,000	14,900		16,000	133,000	83,000	48,000
9,550		10,000	103,000	61,000	40,000	15,000		16,000	133,000	83,000	48,000
9,600		10,000	103,000	61,000	40,000	15,080	19/32	16,000	133,000	83,000	48,000
9,700		10,000	103,000	61,000	40,000	15,100		16,000	133,000	83,000	48,000
9,800		10,000	103,000	61,000	40,000	15,200		16,000	133,000	83,000	48,000
9,900		10,000	103,000	61,000	40,000	15,300		16,000	133,000	83,000	48,000
9,920	25/64	10,000	103,000	61,000	40,000	15,400		16,000	133,000	83,000	48,000
10,000		10,000	103,000	61,000	40,000	15,480	39/64	16,000	133,000	83,000	48,000
10,100		12,000	118,000	71,000	45,000	15,500		16,000	133,000	83,000	48,000
10,200		12,000	118,000	71,000	45,000	15,550		16,000	133,000	83,000	48,000
10,300		12,000	118,000	71,000	45,000	15,600		16,000	133,000	83,000	48,000
10,320	13/32	12,000	118,000	71,000	45,000	15,700		16,000	133,000	83,000	48,000
10,400		12,000	118,000	71,000	45,000	15,800		16,000	133,000	83,000	48,000
10,500		12,000	118,000	71,000	45,000	15,870	5/8	16,000	133,000	83,000	48,000
10,600		12,000	118,000	71,000	45,000	15,900		16,000	133,000	83,000	48,000
10,700		12,000	118,000	71,000	45,000	16,000		16,000	133,000	83,000	48,000
10,720	27/64	12,000	118,000	71,000	45,000	16,270	41/64	18,000	143,000	93,000	48,000
10,800		12,000	118,000	71,000	45,000	16,300		18,000	143,000	93,000	48,000
10,900		12,000	118,000	71,000	45,000	16,500		18,000	143,000	93,000	48,000
11,000		12,000	118,000	71,000	45,000	16,670	21/32	18,000	143,000	93,000	48,000
11,100		12,000	118,000	71,000	45,000	16,700		18,000	143,000	93,000	48,000
11,110	7/16	12,000	118,000	71,000	45,000	16,900		18,000	143,000	93,000	48,000
11,200		12,000	118,000	71,000	45,000	17,000		18,000	143,000	93,000	48,000
11,300		12,000	118,000	71,000	45,000	17,070	43/64	18,000	143,000	93,000	48,000
11,400		12,000	118,000	71,000	45,000	17,460	11/16	18,000	143,000	93,000	48,000
11,500		12,000	118,000	71,000	45,000	17,500		18,000	143,000	93,000	48,000
11,510	29/64	12,000	118,000	71,000	45,000	17,550		18,000	143,000	93,000	48,000
11,550		12,000	118,000	71,000	45,000	17,700		18,000	143,000	93,000	48,000
11,600		12,000	118,000	71,000	45,000	17,860	45/64	18,000	143,000	93,000	48,000
11,700		12,000	118,000	71,000	45,000	18,000		18,000	143,000	93,000	48,000
11,800		12,000	118,000	71,000	45,000	18,260	23/32	20,000	153,000	101,000	50,000
11,900		12,000	118,000	71,000	45,000	18,500		20,000	153,000	101,000	50,000
11,910	15/32	12,000	118,000	71,000	45,000	18,700		20,000	153,000	101,000	50,000
12,000		12,000	118,000	71,000	45,000	18,900		20,000	153,000	101,000	50,000
12,100		14,000	124,000	77,000	45,000	19,000		20,000	153,000	101,000	50,000
12,200		14,000	124,000	77,000	45,000	19,050	3/4	20,000	153,000	101,000	50,000
12,300	31/64	14,000	124,000	77,000	45,000	19,250		20,000	153,000	101,000	50,000
12,400		14,000	124,000	77,000	45,000	19,300		20,000	153,000	101,000	50,000
12,500		14,000	124,000	77,000	45,000	19,446		20,000	153,000	101,000	50,000
12,600		14,000	124,000	77,000	45,000	19,500		20,000	153,000	101,000	50,000
12,700	1/2	14,000	124,000	77,000	45,000	19,550		20,000	153,000	101,000	50,000
12,800		14,000	124,000	77,000	45,000	19,700		20,000	153,000	101,000	50,000
12,900		14,000	124,000	77,000	45,000	19,800		20,000	153,000	101,000	50,000
13,000		14,000	124,000	77,000	45,000	19,840	25/32	20,000	153,000	101,000	50,000
13,100	33/64	14,000	124,000	77,000	45,000	20,000		20,000	153,000	101,000	50,000
13,200		14,000	124,000	77,000	45,000						
13,300		14,000	124,000	77,000	45,000						
13,400		14,000	124,000	77,000	45,000						
13,490	17/32	14,000	124,000	77,000	45,000						
13,500		14,000	124,000	77,000	45,000						
13,600		14,000	124,000	77,000	45,000						
13,700		14,000	124,000	77,000	45,000						
13,800		14,000	124,000	77,000	45,000						
13,890	35/64	14,000	124,000	77,000	45,000						
13,900		14,000	124,000	77,000	45,000						
14,000		14,000	124,000	77,000	45,000						



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## TS 100 HPC

Artikel-Nr. 89461



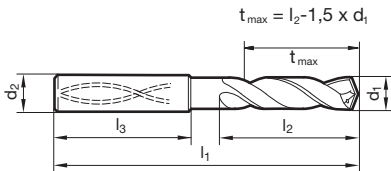
P	M	K	N	S	H
●	○	○	○	○	○



Kegelmantelanschliff • Hauptschneide konkav • optimierte Schneidengeometrie • höchste Leistungsfähigkeit

für die Hochleistungsbearbeitung in Bau- und Einsatzstähle • Automatenstähle, Vergütungsstähle

Stähle (legiert/unleg.) bis 1400 N/mm<sup>2</sup> • rost-/säure-/hitzebeständige Stähle • Titan und Titanlegierungen • Sonderlegierungen



d1		d2	l1	l2	l3	d1		d2	l1	l2	l3
mm	inch	mm	mm	mm	mm	mm	inch	mm	mm	mm	mm
3,000		6,000	70,000	30,000	36,000	5,900		6,000	97,000	57,000	36,000
3,100		6,000	70,000	30,000	36,000	5,950	15/64	6,000	97,000	57,000	36,000
3,170	1/8	6,000	70,000	30,000	36,000	6,000		6,000	97,000	57,000	36,000
3,200		6,000	70,000	30,000	36,000	6,100		8,000	106,000	66,000	36,000
3,250		6,000	70,000	30,000	36,000	6,200		8,000	106,000	66,000	36,000
3,300		6,000	70,000	30,000	36,000	6,300		8,000	106,000	66,000	36,000
3,400		6,000	75,000	35,500	36,000	6,350	1/4	8,000	106,000	66,000	36,000
3,500		6,000	75,000	35,500	36,000	6,400		8,000	106,000	66,000	36,000
3,570	9/64	6,000	75,000	35,500	36,000	6,500		8,000	106,000	66,000	36,000
3,600		6,000	75,000	35,500	36,000	6,530		8,000	106,000	66,000	36,000
3,700		6,000	75,000	35,500	36,000	6,550		8,000	106,000	66,000	36,000
3,800		6,000	75,000	37,500	36,000	6,600		8,000	106,000	66,000	36,000
3,900		6,000	75,000	37,500	36,000	6,700		8,000	106,000	66,000	36,000
3,970	5/32	6,000	75,000	37,500	36,000	6,750	17/64	8,000	106,000	66,000	36,000
4,000		6,000	75,000	37,500	36,000	6,800		8,000	106,000	66,000	36,000
4,040		6,000	75,000	37,500	36,000	6,900		8,000	116,000	76,000	36,000
4,100		6,000	75,000	37,500	36,000	7,000		8,000	116,000	76,000	36,000
4,200		6,000	75,000	37,500	36,000	7,100		8,000	116,000	76,000	36,000
4,300		6,000	85,000	45,000	36,000	7,140	9/32	8,000	116,000	76,000	36,000
4,370	11/64	6,000	85,000	45,000	36,000	7,200		8,000	116,000	76,000	36,000
4,400		6,000	85,000	45,000	36,000	7,300		8,000	116,000	76,000	36,000
4,500		6,000	85,000	45,000	36,000	7,400		8,000	116,000	76,000	36,000
4,600		6,000	85,000	45,000	36,000	7,500		8,000	116,000	76,000	36,000
4,650		6,000	85,000	45,000	36,000	7,540	19/64	8,000	116,000	76,000	36,000
4,700		6,000	85,000	45,000	36,000	7,600		8,000	116,000	76,000	36,000
4,760	3/16	6,000	90,000	50,000	36,000	7,700		8,000	116,000	76,000	36,000
4,800		6,000	90,000	50,000	36,000	7,800		8,000	116,000	76,000	36,000
4,900		6,000	90,000	50,000	36,000	7,900		8,000	116,000	76,000	36,000
5,000		6,000	90,000	50,000	36,000	7,940	5/16	8,000	116,000	76,000	36,000
5,100		6,000	90,000	50,000	36,000	8,000		8,000	116,000	76,000	36,000
5,110		6,000	90,000	50,000	36,000	8,100		10,000	131,000	87,000	40,000
5,160	13/64	6,000	90,000	50,000	36,000	8,200		10,000	131,000	87,000	40,000
5,200		6,000	90,000	50,000	36,000	8,300		10,000	131,000	87,000	40,000
5,300		6,000	90,000	50,000	36,000	8,330	21/64	10,000	131,000	87,000	40,000
5,400		6,000	97,000	57,000	36,000	8,400		10,000	131,000	87,000	40,000
5,410		6,000	97,000	57,000	36,000	8,500		10,000	131,000	87,000	40,000
5,500		6,000	97,000	57,000	36,000	8,600		10,000	131,000	87,000	40,000
5,550		6,000	97,000	57,000	36,000	8,700		10,000	131,000	87,000	40,000
5,560	7/32	6,000	97,000	57,000	36,000	8,730	11/32	10,000	131,000	87,000	40,000
5,600		6,000	97,000	57,000	36,000	8,800		10,000	131,000	87,000	40,000
5,700		6,000	97,000	57,000	36,000	8,900		10,000	131,000	87,000	40,000
5,800		6,000	97,000	57,000	36,000	9,000		10,000	131,000	87,000	40,000



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## TS 100 HPC

d1 mm	inch	d2 mm	l1 mm	l2 mm	l3 mm	d1 mm	inch	d2 mm	l1 mm	l2 mm	l3 mm
9,100		10,000	139,000	95,000	40,000	12,900		14,000	182,000	133,000	45,000
9,130	23/64	10,000	139,000	95,000	40,000	13,000		14,000	182,000	133,000	45,000
9,200		10,000	139,000	95,000	40,000	13,100	33/64	14,000	182,000	133,000	45,000
9,250		10,000	139,000	95,000	40,000	13,490	17/32	14,000	182,000	133,000	45,000
9,300		10,000	139,000	95,000	40,000	13,500		14,000	182,000	133,000	45,000
9,340		10,000	139,000	95,000	40,000	13,700		14,000	182,000	133,000	45,000
9,400		10,000	139,000	95,000	40,000	13,890	35/64	14,000	182,000	133,000	45,000
9,500		10,000	139,000	95,000	40,000	14,000		14,000	182,000	133,000	45,000
9,520	3/8	10,000	139,000	95,000	40,000	14,100		16,000	204,000	152,000	48,000
9,600		10,000	139,000	95,000	40,000	14,200		16,000	204,000	152,000	48,000
9,700		10,000	139,000	95,000	40,000	14,290	9/16	16,000	204,000	152,000	48,000
9,800		10,000	139,000	95,000	40,000	14,300		16,000	204,000	152,000	48,000
9,900		10,000	139,000	95,000	40,000	14,500		16,000	204,000	152,000	48,000
9,920	25/64	10,000	139,000	95,000	40,000	14,700		16,000	204,000	152,000	48,000
10,000		10,000	139,000	95,000	40,000	14,800		16,000	204,000	152,000	48,000
10,100		12,000	155,000	106,000	45,000	15,000		16,000	204,000	152,000	48,000
10,200		12,000	155,000	106,000	45,000	15,100		16,000	204,000	152,000	48,000
10,300		12,000	155,000	106,000	45,000	15,300		16,000	204,000	152,000	48,000
10,320	13/32	12,000	155,000	106,000	45,000	15,480	39/64	16,000	204,000	152,000	48,000
10,400		12,000	155,000	106,000	45,000	15,500		16,000	204,000	152,000	48,000
10,500		12,000	155,000	106,000	45,000	15,700		16,000	204,000	152,000	48,000
10,600		12,000	155,000	106,000	45,000	15,800		16,000	204,000	152,000	48,000
10,700		12,000	155,000	106,000	45,000	15,870	5/8	16,000	204,000	152,000	48,000
10,720	27/64	12,000	155,000	106,000	45,000	16,000		16,000	204,000	152,000	48,000
10,800		12,000	155,000	106,000	45,000	16,300		18,000	223,000	171,000	48,000
10,900		12,000	155,000	106,000	45,000	16,500		18,000	223,000	171,000	48,000
11,000		12,000	155,000	106,000	45,000	16,700		18,000	223,000	171,000	48,000
11,100		12,000	163,000	114,000	45,000	16,900		18,000	223,000	171,000	48,000
11,110	7/16	12,000	163,000	114,000	45,000	17,000		18,000	223,000	171,000	48,000
11,200		12,000	163,000	114,000	45,000	17,500		18,000	223,000	171,000	48,000
11,300		12,000	163,000	114,000	45,000	17,700		18,000	223,000	171,000	48,000
11,400		12,000	163,000	114,000	45,000	18,000		18,000	223,000	171,000	48,000
11,500		12,000	163,000	114,000	45,000	18,500		20,000	244,000	190,000	50,000
11,510	29/64	12,000	163,000	114,000	45,000	18,900		20,000	244,000	190,000	50,000
11,600		12,000	163,000	114,000	45,000	19,000		20,000	244,000	190,000	50,000
11,700		12,000	163,000	114,000	45,000	19,050	3/4	20,000	244,000	190,000	50,000
11,800		12,000	163,000	114,000	45,000	19,500		20,000	244,000	190,000	50,000
11,900		12,000	163,000	114,000	45,000	19,800		20,000	244,000	190,000	50,000
11,910	15/32	12,000	163,000	114,000	45,000	20,000		20,000	244,000	190,000	50,000
12,000		12,000	163,000	114,000	45,000						
12,100		14,000	182,000	133,000	45,000						
12,200		14,000	182,000	133,000	45,000						
12,300	31/64	14,000	182,000	133,000	45,000						
12,400		14,000	182,000	133,000	45,000						
12,500		14,000	182,000	133,000	45,000						
12,600		14,000	182,000	133,000	45,000						
12,700	1/2	14,000	182,000	133,000	45,000						
12,800		14,000	182,000	133,000	45,000						