

GÜHRING

MRO-Programm



NOGA
NOGA TOOLS B.V.

Pictogrammen

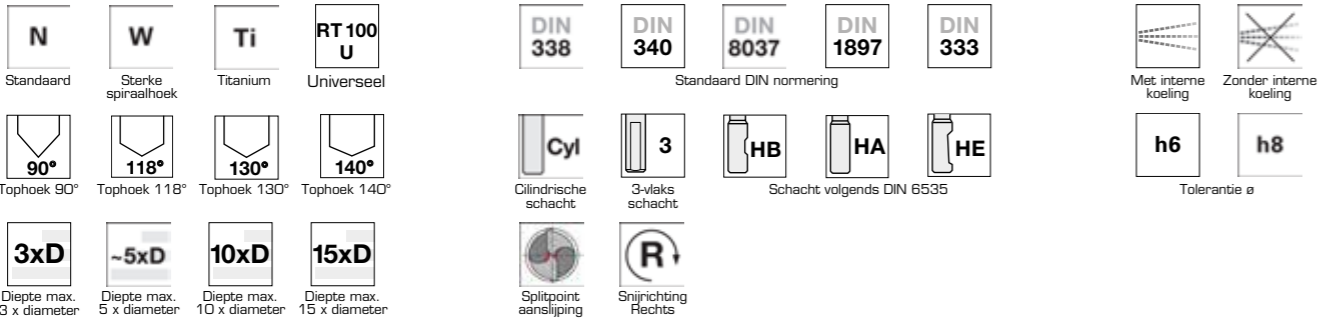
Basismaterialen



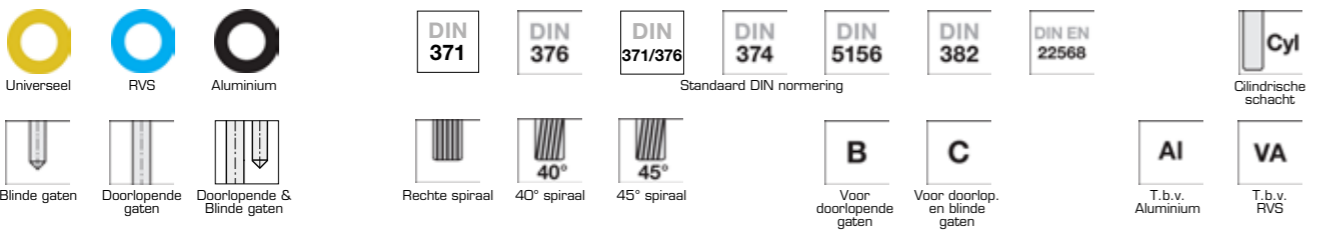
Oppervlakken



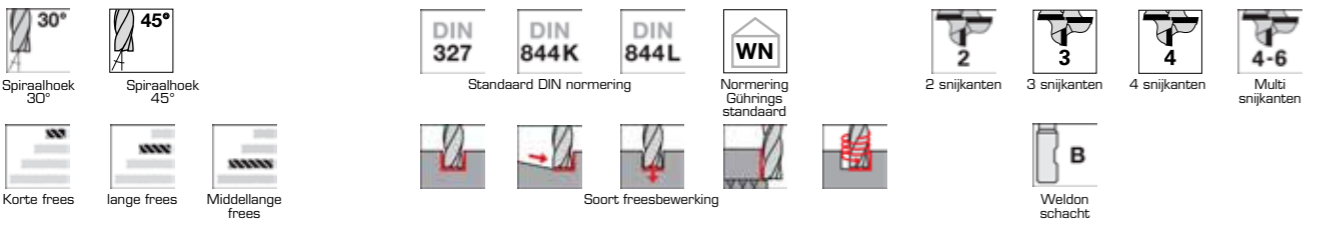
Boren



Draadsnijden



Frezen



Ruimen



Verzinken



Programma overzicht



Boren
Overzichtspagina P. 4 - 5
Programma P. 6 - 37



Draadsnijden
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Frezen
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Ruimen
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Programma P. 70 - 72



Verzinken
Overzichtspagina P. 73
Programma P. 74 - 79



205	207	9651	9500	9502	9000	605	5517	2464	703	223	329
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535	317	502	557	723	554	581	5514 5614 6026	5515 5615	5510 5610 6023	5511 5611 5650	diverse
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Materiaal	HSS	HSS	HSS	HSS	HSCO	HSCO	HSCO	VHM	VHM	VHM	HSS	HSCO
DIN Norm.	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338	DIN 338			DIN 8037	DIN 1897	DIN 1897
Tophoek	118°	130°	118°	118°	118°	135°	130°	118°	118°	118°	118°	130°
Coating			S							F		
Pagina	6-8		9	10	11-12	13	14	15-16				

Materiaal	HSS	HSCO	HSS	HSS	VHM	HSS	HSS	VHM	VHM	VHM	VHM	
DIN Norm.	DIN 340	DIN 340					DIN 333	DIN 6537K	DIN 6537L	DIN 338	DIN 6537L	DIN 338
Tophoek	130°	118°	130°	90°	90°	118°	118°	140°	140°	140°	140°	
Coating								F	F	F	F	
Pagina	17	18	19	20	21	22-24	25-27	28-30	31-33	34-36		

- Staal <600N/mm²
- Staal <800N/mm²
- Staal <1200N/mm²
- Staal <1600N/mm²
- RVS
- Gietijzer
- Aluminium
- Titanium
- Gehard staal

- Staal <600N/mm²
- Staal <800N/mm²
- Staal <1200N/mm²
- Staal <1600N/mm²
- RVS
- Gietijzer
- Aluminium
- Titanium
- Gehard staal

● Optimaal geschikt
○ Beperkt geschikt



HSS Spiraalboor

Artikelnummer 205



Spiraalboor kort HSS / DIN338 / Oppervlakte: blank/stoomontlaten >2.36 / Type: N
Snijrichting: rechts / Conische vlakslijping 118°

- P** Staal ●
- M** RVS
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium
- H** Gehard staal

HSS Spiraalboor

Artikelnummer 207



Spiraalboor kort HSS / DIN338 / Oppervlakte: blank / Type: W
Snijrichting: rechts / Conische vlakslijping 130°

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium ●
- S** Titanium
- H** Gehard staal

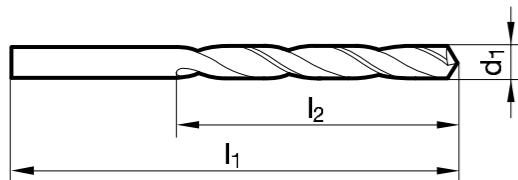
HSS Spiraalboor TiN-Tip

Artikelnummer 9651



Spiraalboor kort HSS / DIN338 / Oppervlakte: TiN / Type: N
Snijrichting: rechts / Conische vlakslijping 118°

- P** Staal ●
- M** RVS
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal



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1.30	38.00	16.00	.0130	.0130	.0130
1.40	40.00	18.00	.0140	.0140	.0140
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2.00	49.00	24.00	.0200	.0200	.0200
2.10	49.00	24.00	.0210	.0210	.0210
2.20	53.00	27.00	.0220	.0220	.0220
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			Artikelnummer		
			205	207	9651
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2.80	61.00	33.00	.0280	.0280	.0280
2.90	61.00	33.00	.0290	.0290	.0290
3.00	65.00	36.00	.0300	.0300	.0300
3.10	65.00	36.00	.0310	.0310	.0310
3.20	65.00	36.00	.0320	.0320	.0320
3.30	70.00	39.00	.0330	.0330	.0330
3.40	70.00	39.00	.0340	.0340	.0340
3.50	70.00	39.00	.0350	.0350	.0350
3.60	75.00	43.00	.0360	.0360	.0360
3.70	75.00	43.00	.0370	.0370	.0370
3.80	75.00	43.00	.0380	.0380	.0380
3.90	75.00	43.00	.0390	.0390	.0390
4.00	75.00	43.00	.0400	.0400	.0400
4.10	80.00	47.00	.0410	.0410	.0410
4.20	80.00	47.00	.0420	.0420	.0420
4.30	80.00	47.00	.0430	.0430	.0430
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4.60	80.00	47.00	.0460	.0460	.0460
4.70	86.00	52.00	.0470	.0470	.0470
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5.00	86.00	52.00	.0500	.0500	.0500
5.10	86.00	52.00	.0510	.0510	.0510
5.20	86.00	52.00	.0520	.0520	.0520
5.30	93.00	57.00	.0530	.0530	.0530
5.40	93.00	57.00	.0540	.0540	.0540
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5.60	93.00	57.00	.0560	.0560	.0560
5.70	93.00	57.00	.0570	.0570	.0570
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6.00	101.00	63.00	.0600	.0600	.0600
6.10	101.00	63.00	.0610	.0610	.0610
6.20	101.00	63.00	.0620	.0620	.0620
6.30	101.00	63.00	.0630	.0630	.0630
6.40	101.00	63.00	.0640	.0640	.0640
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6.60	101.00	63.00	.0660	.0660	.0660
6.70	109.00	69.00	.0670	.0670	.0670
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7.00	109.00	69.00	.0700	.0700	.0700
7.10	109.00	69.00	.0710	.0710	.0710
7.20	109.00	69.00	.0720	.0720	.0720
7.30	109.00	69.00	.0730	.0730	.0730
7.40	109.00	69.00	.0740	.0740	.0740
7.50	117.00	75.00	.0750	.0750	.0750
7.60	117.00	75.00	.0760	.0760	.0760
7.70	117.00	75.00	.0770	.0770	.0770
7.80	117.00	75.00	.0780	.0780	.0780
7.90	117.00	75.00	.0790	.0790	.0790
8.00	117.00	75.00	.0800	.0800	.0800
8.10	117.00	75.00	.0810	.0810	.0810

Boren

Draadsnijden

Frezen

Ruimen

Verzinken



Boren

			Artikelnummer	205	207	9651
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mm	mm	mm				
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8.40	117.00	75.00		.0840	.0840	.0840
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8.60	125.00	81.00		.0860	.0860	.0860
8.70	125.00	81.00		.0870	.0870	.0870
8.80	125.00	81.00		.0880	.0880	.0880
8.90	125.00	81.00		.0890	.0890	.0890
9.00	125.00	81.00		.0900	.0900	.0900
9.10	125.00	81.00		.0910	.0910	.0910
9.20	125.00	81.00		.0920	.0920	.0920
9.30	125.00	81.00		.0930	.0930	.0930
9.40	125.00	81.00		.0940	.0940	.0940
9.50	133.00	87.00		.0950	.0950	.0950
9.60	133.00	87.00		.0960	.0960	.0960
9.70	133.00	87.00		.0970	.0970	.0970
9.80	133.00	87.00		.0980	.0980	.0980
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10.00	133.00	87.00		.1000	.1000	.1000
10.10	133.00	87.00		.1010	.1010	.1010
10.20	133.00	87.00		.1020	.1020	.1020
10.30	133.00	87.00		.1030	.1030	.1030
10.40	133.00	87.00		.1040	.1040	.1040
10.50	133.00	87.00		.1050	.1050	.1050
10.60	142.00	94.00		.1060	.1060	.1060
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10.80	142.00	94.00		.1080	.1080	.1080
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11.00	142.00	94.00		.1100	.1100	.1100
11.50	142.00	94.00		.1150	.1150	.1150
12.00	151.00	101.00		.1200	.1200	.1200
12.50	151.00	101.00		.1250	.1250	.1250
13.00	151.00	101.00		.1300	.1300	.1300
13.50	160.00	108.00		.1350	.1350	.1350
14.00	160.00	109.00		.1400	.1400	.1400
14.50	169.00	118.00		.1450	.1450	.1450
15.00	169.00	118.00		.1500	.1500	.1500
15.50	178.00	128.00		.1550	.1550	.1550
16.00	178.00	128.00		.1600	.1600	.1600

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

HSS StepPower boor

Artikelnummer 9500



StepPower boren HSS / h8 / DIN 338 / Oppervlakte: stoomontlaten / Type: N
Snijrichting: rechts / Conische vlakslipping 118°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

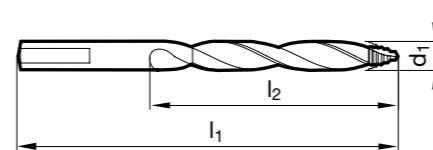
HSCO StepPower boor

Artikelnummer 9502



StepPower boren HSCO / h8 / DIN 338 / Oppervlakte: paars ontlaten / Type: N
Snijrichting: rechts / Conische vlakslipping 118°

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○



			Artikelnummer	9500	9502
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2.00	49.00	24.00		.0200	.0200
2.50	57.00	30.00		.0250	.0250
3.00	61.00	33.00		.0300	.0300
3.30	65.00	36.00		.0330	.0330
3.50	70.00	39.00		.0350	.0350
4.00	75.00	43.00		.0400	.0400
4.20	75.00	43.00		.0420	.0420
4.50	80.00	47.00		.0450	.0450
5.00	86.00	52.00		.0500	.0500
5.50	93.00	57.00		.0550	.0550
6.00	93.00	57.00		.0600	.0600
6.50	101.00	63.00		.0650	.0650
6.80	101.00	63.00		.0680	.0680
7.00	109.00	69.00		.0700	.0700
7.50	109.00	69.00		.0750	.0750
8.00	117.00	75.00		.0800	.0800
8.50	117.00	75.00		.0850	.0850
9.00	125.00	81.00		.0900	.0900
9.50	125.00	81.00		.0950	.0950
10.00	133.00	87.00		.1000	.1000
10.20	133.00	87.00		.1020	.1020
10.50	133.00	87.00		.1050	.1050
11.00	142.00	94.00		.1100	.1100
11.50	142.00	94.00		.1150	.1150
12.00	151.00	101.00		.1200	.1200
12.50	151.00	101.00		.1250	.1250
13.00	151.00	101.00		.1300	.1300



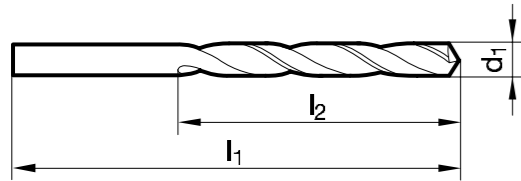
HSCO Spiraalboor kort

Artikelnummer 9000



Spiraalboor kort HSCO / DIN 338 / Oppervlakte: paars ontlaten / Type: GU 3FS
Snijrichting: rechts / Vlakslijping 135°

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal ○



Artikelnummer 9000

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3.30	65.00	36.00	.0330
3.50	70.00	39.00	.0350
4.00	75.00	43.00	.0400
4.20	75.00	43.00	.0420
4.50	80.00	47.00	.0450
5.00	86.00	52.00	.0500
5.50	93.00	57.00	.0550
6.00	93.00	57.00	.0600
6.50	101.00	63.00	.0650
6.80	101.00	63.00	.0680
7.00	109.00	69.00	.0700
7.50	109.00	69.00	.0750
8.00	117.00	75.00	.0800
8.50	117.00	75.00	.0850
9.00	125.00	81.00	.0900
9.50	125.00	81.00	.0950
10.00	133.00	87.00	.1000
10.20	133.00	87.00	.1020
10.50	133.00	87.00	.1050
11.00	142.00	94.00	.1100
11.50	142.00	94.00	.1150
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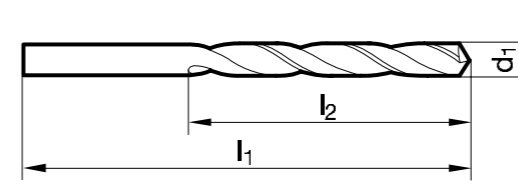
HSCO Spiraalboor

Artikelnummer 605



Spiraalboor kort HSCO / DIN 338 / Oppervlakte: blank / Type: Ti
Snijrichting: rechts / Conische vlakslijping 130°

- P** Staal ○
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ●
- H** Gehard staal ○



Artikelnummer 605

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1.50	40.00	18.00	.0150
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1.70	43.00	20.00	.0170
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1.90	46.00	22.00	.0190
2.00	49.00	24.00	.0200
2.10	49.00	24.00	.0210
2.20	53.00	27.00	.0220
2.30	53.00	27.00	.0230
2.40	57.00	30.00	.0240
2.50	57.00	30.00	.0250
2.60	57.00	30.00	.0260
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2.80	61.00	33.00	.0280
2.90	61.00	33.00	.0290
3.00	65.00	36.00	.0300
3.10	65.00	36.00	.0310
3.20	65.00	36.00	.0320
3.30	70.00	39.00	.0330
3.40	70.00	39.00	.0340
3.50	70.00	39.00	.0350
3.60	75.00	43.00	.0360
3.70	75.00	43.00	.0370
3.80	75.00	43.00	.0380
3.90	75.00	43.00	.0390
4.00	75.00	43.00	.0400
4.10	80.00	47.00	.0410
4.20	80.00	47.00	.0420
4.30	80.00	47.00	.0430
4.40	80.00	47.00	.0440
4.50	80.00	47.00	.0450
4.60	80.00	47.00	.0460
4.70	86.00	52.00	.0470
4.80	86.00	52.00	.0480
4.90	86.00	52.00	.0490



Boren

Artikelnummer			605
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5.30	93.00	57.00	.0530
5.40	93.00	57.00	.0540
5.50	93.00	57.00	.0550
5.60	93.00	57.00	.0560
5.70	93.00	57.00	.0570
5.80	93.00	57.00	.0580
5.90	93.00	57.00	.0590
6.00	101.00	63.00	.0600
6.10	101.00	63.00	.0610
6.20	101.00	63.00	.0620
6.30	101.00	63.00	.0630
6.40	101.00	63.00	.0640
6.50	101.00	63.00	.0650
6.60	101.00	63.00	.0660
6.70	109.00	69.00	.0670
6.80	109.00	69.00	.0680
6.90	109.00	69.00	.0690
7.00	109.00	69.00	.0700
7.10	109.00	69.00	.0710
7.20	109.00	69.00	.0720
7.30	109.00	69.00	.0730
7.40	109.00	69.00	.0740
7.50	117.00	75.00	.0750
7.60	117.00	75.00	.0760
7.70	117.00	75.00	.0770
7.80	117.00	75.00	.0780
7.90	117.00	75.00	.0790
8.00	117.00	75.00	.0800
8.50	125.00	81.00	.0850
9.00	125.00	81.00	.0900
9.50	133.00	87.00	.0950
10.00	133.00	87.00	.1000
10.20	133.00	87.00	.1020
10.50	133.00	87.00	.1050
11.00	142.00	94.00	.1100
11.50	142.00	94.00	.1150
12.00	151.00	101.00	.1200
12.50	151.00	101.00	.1250
13.00	151.00	101.00	.1300
13.50	160.00	108.00	.1350
14.00	160.00	108.00	.1400
14.50	169.00	116.00	.1450
15.00	169.00	116.00	.1500
15.50	178.00	125.00	.1550
16.00	178.00	125.00	.1600

*Ontbrekende 0.1 mm maten tot 11.0 mm leverbaar.

VHM Spiraalboor

Artikelnummer 5517



Spiraalboor VHM / h7 / Fabrieksnorm / Oppervlakte: blank / Type: N
Snijrichting: rechts / Vlakslijping 118°

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal

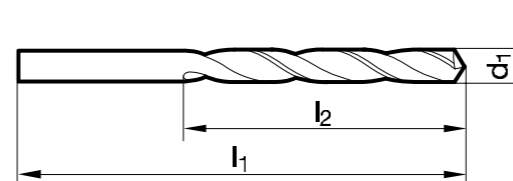
VHM Spiraalboor, nanoFIRE

Artikelnummer 2464



Spiraalboor VHM / h7 / Fabrieksnorm / Oppervlakte: nanoFIRE / Type: N
Snijrichting: rechts / Vlakslijping 118°

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal



Artikelnummer 5517 2464

d1	I1	I2	code	code
mm	mm	mm		
1.00	34.00	12.00	-	.0100
1.50	40.00	18.00	-	.0150
2.00	49.00	24.00	.0200	.0200
2.50	57.00	30.00	.0250	.0250
3.00	65.00	36.00	.0300	.0300
3.30	70.00	39.00	.0330	.0330
3.50	70.00	39.00	.0350	.0350
4.00	75.00	43.00	.0400	.0400
4.20	80.00	47.00	.0420	.0420
4.50	80.00	47.00	.0450	.0450
5.00	86.00	52.00	.0500	.0500
5.50	93.00	57.00	.0550	.0550
6.00	101.00	63.00	.0600	.0600
6.50	101.00	63.00	.0650	.0650
6.80	109.00	69.00	-	.0680
7.00	109.00	69.00	.0700	.0700
7.50	117.00	75.00	.0750	.0750
8.00	117.00	75.00	.0800	.0800
8.50	125.00	81.00	.0850	.0850
9.00	125.00	81.00	.0900	.0900
9.50	133.00	87.00	.0950	.0950
10.00	133.00	87.00	.1000	.1000
10.50	133.00	87.00	.1050	.1050
11.00	142.00	94.00	.1100	.1100
11.50	142.00	94.00	.1150	.1150
12.00	151.00	101.00	.1200	.1200

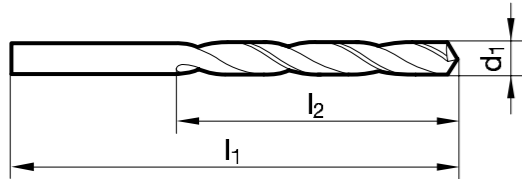


Spiraalboor met HM-snijders

Artikelnummer 703



Spiraalboor met HM-snijders HM-uitgerust / DIN 8037 / Oppervlakte: blank / Type: N
Snijrichting: rechts / Vlakslijping 118°



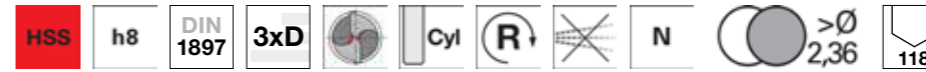
- P** Staal ○
- M** RVS ○
- K** Gietijzer ○
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

Artikelnummer 703

d1	l1	l2	code
mm	mm	mm	
3.00	50.00	10.00	.0300
3.30	56.00	15.00	.0330
3.50	56.00	15.00	.0350
4.00	56.00	13.00	.0400
4.20	63.00	16.00	.0420
4.50	63.00	15.00	.0450
5.00	63.00	14.00	.0500
5.50	71.00	18.00	.0550
6.00	71.00	17.00	.0600
6.50	71.00	17.00	.0650
7.00	80.00	25.00	.0700
7.50	80.00	25.00	.0750
8.00	80.00	25.00	.0800
8.50	90.00	34.00	.0850
9.00	90.00	34.00	.0900
9.50	90.00	32.00	.0950
10.00	100.00	38.00	.1000
10.20	100.00	37.00	.1020
10.50	100.00	37.00	.1050
11.00	100.00	36.00	.1100
11.50	112.00	42.00	.1150
12.00	112.00	42.00	.1200
12.50	112.00	40.00	.1250
13.00	112.00	39.00	.1300
13.50	125.00	46.00	.1350
14.00	125.00	45.00	.1400
14.50	125.00	45.00	.1450
15.00	125.00	43.00	.1500
15.50	140.00	52.00	.1550
16.00	140.00	50.00	.1600
16.50	140.00	49.00	.1650
17.00	140.00	48.00	.1700
17.50	160.00	57.00	.1750
18.00	160.00	56.00	.1800
18.50	160.00	56.00	.1850
19.00	160.00	54.00	.1900
19.50	160.00	54.00	.1950
20.00	160.00	53.00	.2000
21.00	160.00	51.00	.2100
22.00	160.00	49.00	.2200
24.00	170.00	56.00	.2400

HSS Spiraalboor kort

Artikelnummer 223



Spiraalboor extra kort HSS / DIN 1897 / Oppervlakte: blank/stoomontlaten >2.36
Type: N

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

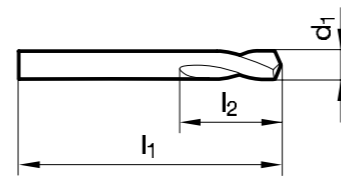
HSCO Spiraalboor kort

Artikelnummer 329



Spiraalboor extra kort HSCO / DIN 1897 / Oppervlakte: blank/stoomontlaten >2.36
Type: GV 120 Snijrichting: rechts / Conische vlakslijping 130°

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○



Artikelnummer 223 329

d1	l1	l2	code	code
mm	mm	mm		
1.00	19.00	6.00	.0100	.0100
1.10	28.00	7.00	.0110	.0110
1.20	30.00	8.00	.0120	.0120
1.30	30.00	8.00	.0130	.0130
1.40	32.00	9.00	.0140	.0140
1.50	32.00	9.00	.0150	.0150
1.60	34.00	10.00	.0160	.0160
1.70	34.00	10.00	.0170	.0170
1.80	36.00	11.00	.0180	.0180
1.90	36.00	11.00	.0190	.0190
2.00	38.00	12.00	.0200	.0200
2.10	38.00	12.00	.0210	.0210
2.20	40.00	13.00	.0220	.0220
2.30	40.00	13.00	.0230	.0230
2.40	43.00	14.00	.0240	.0240
2.50	43.00	14.00	.0250	.0250
2.60	43.00	14.00	.0260	.0260
2.70	46.00	16.00	.0270	.0270
2.80	46.00	16.00	.0280	.0280
2.90	46.00	16.00	.0290	.0290
3.00	46.00	16.00	.0300	.0300
3.10	49.00	18.00	.0310	.0310
3.20	49.00	18.00	.0320	.0320
3.30	49.00	18.00	.0330	.0330
3.40	52.00	20.00	.0340	.0340
3.50	52.00	20.00	.0350	.0350
3.60	52.00	20.00	.0360	.0360
3.70	52.00	20.00	.0370	.0370



Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Artikelnummer			223	329
d1	l1	l2	code	code
mm	mm	mm		
3.80	55.00	22.00	.0380	.0380
3.90	55.00	22.00	.0390	.0390
4.00	55.00	22.00	.0400	.0400
4.10	55.00	22.00	.0410	.0410
4.20	55.00	22.00	.0420	.0420
4.30	58.00	24.00	.0430	.0430
4.40	58.00	24.00	.0440	.0440
4.50	58.00	24.00	.0450	.0450
4.60	58.00	24.00	.0460	.0460
4.70	58.00	24.00	.0470	.0470
4.80	62.00	26.00	.0480	.0480
4.90	62.00	26.00	.0490	.0490
5.00	62.00	26.00	.0500	.0500
5.10	62.00	26.00	.0510	.0510
5.20	62.00	26.00	.0520	.0520
5.30	62.00	26.00	.0530	.0530
5.40	66.00	28.00	.0540	.0540
5.50	66.00	28.00	.0550	.0550
5.60	66.00	28.00	.0560	.0560
5.70	66.00	28.00	.0570	.0570
5.80	66.00	28.00	.0580	.0580
5.90	66.00	28.00	.0590	.0590
6.00	66.00	28.00	.0600	.0600
6.50	70.00	31.00	.0650	.0650
7.00	74.00	34.00	.0700	.0700
7.50	74.00	34.00	.0750	.0750
8.00	79.00	37.00	.0800	.0800
8.50	84.00	40.00	.0850	.0850
9.00	84.00	40.00	.0900	.0900
9.50	84.00	40.00	.0950	.0950
10.00	89.00	43.00	.1000	.1000
10.50	89.00	43.00	.1050	.1050
11.00	95.00	47.00	.1100	.1100
11.50	95.00	47.00	.1150	.1150
12.00	102.00	51.00	.1200	.1200
12.50	102.00	51.00	.1250	.1250
13.00	107.00	56.00	.1300	.1300
13.50	107.00	56.00	.1350	.1350
14.00	107.00	56.00	.1400	.1400
14.50	111.00	56.00	.1450	.1450
15.00	111.00	56.00	.1500	.1500
15.50	115.00	58.00	.1550	.1550
16.00	115.00	58.00	.1600	.1600

HSS Spiraalboor lang

Artikelnummer 535



Spiraalboor lang HSS / ~10xD / DIN 340 / Oppervlakte: blank/stoomontlaten >2.36
 Type: GT 100 Snijrichting: rechts / Conische vlakslijping 130°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal ○

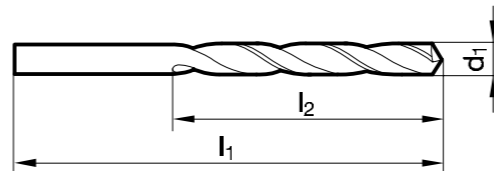
HSCO Spiraalboor lang

Artikelnummer 317



Spiraalboor lang HSCO / DIN 340 / Oppervlakte: blank/stoomontlaten >2.36
 Type: N / Snijrichting: rechts / Conische vlakslijping 118°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal ○



Artikelnummer			535	317
d1	l1	l2	code	code
mm	mm	mm		
1.00	56.00	33.00	.0100	.0100
1.50	70.00	45.00	.0150	.0150
2.00	85.00	56.00	.0200	.0200
2.50	95.00	62.00	.0250	.0250
3.00	100.00	66.00	.0300	.0300
3.30	106.00	69.00	.0330	.0330
3.50	112.00	73.00	.0350	.0350
4.00	119.00	78.00	.0400	.0400
4.20	119.00	78.00	.0420	.0420
4.50	126.00	82.00	.0450	.0450
5.00	132.00	87.00	.0500	.0500
5.50	139.00	91.00	.0550	.0550
6.00	139.00	91.00	.0600	.0600
6.50	148.00	97.00	.0650	.0650
6.80	156.00	102.00	.0680	.0680
7.00	156.00	102.00	.0700	.0700
7.50	156.00	102.00	.0750	.0750
8.00	165.00	109.00	.0800	.0800
8.50	165.00	109.00	.0850	.0850
9.00	175.00	115.00	.0900	.0900
9.50	175.00	115.00	.0950	.0950
10.00	184.00	121.00	.1000	.1000
10.20	184.00	121.00	.1020	.1020
10.50	184.00	121.00	.1050	.1050
11.00	195.00	128.00	.1100	.1100
11.50	195.00	128.00	.1150	.1150
12.00	205.00	134.00	.1200	.1200
12.50	205.00	134.00	.1250	.1250
13.00	205.00	134.00	.1300	.1300

Boren

Draadsnijden

Frezen

Ruimen

Verzinken



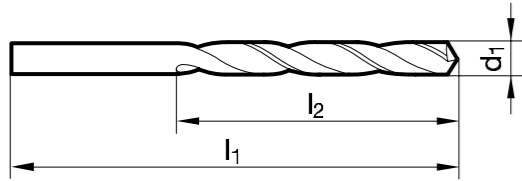
HSS Spiraalboor extra lang

Artikelnummer 502



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal ○

Spiraalboor extra lang serie 1 HSS / h8 / ~15xD / DIN 1869
 Oppervlakte: blank/fasen genitreerd >2.36 / Type: GT 100 / Snijrichting: rechts
 Conische vlakslijping 130°



Artikelnummer 502

d1	l1	l2	code
mm	mm	mm	
2.00	125.00	85.00	.0200
2.50	140.00	95.00	.0250
3.00	150.00	100.00	.0300
3.30	155.00	105.00	.0330
3.50	165.00	115.00	.0350
4.00	175.00	120.00	.0400
4.20	175.00	120.00	.0420
4.50	185.00	125.00	.0450
5.00	195.00	135.00	.0500
5.50	205.00	140.00	.0550
6.00	205.00	140.00	.0600
6.50	215.00	150.00	.0650
6.80	225.00	155.00	.0680
7.00	225.00	155.00	.0700
7.50	225.00	155.00	.0750
8.00	240.00	165.00	.0800
8.50	240.00	165.00	.0850
9.00	250.00	175.00	.0900
9.50	250.00	175.00	.0950
10.00	265.00	185.00	.1000
10.20	265.00	185.00	.1020
10.50	265.00	185.00	.1050
11.00	280.00	195.00	.1100
11.50	280.00	195.00	.1150
12.00	295.00	205.00	.1200
12.50	295.00	205.00	.1250
13.00	295.00	205.00	.1300

HSS NC-centreerboor 90°

Artikelnummer 557



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal ○

NC-centreerboor 90° HSS / DIN 1835-A / Fabrieksnorm / Oppervlakte: blank
 Type: N / Snijrichting: rechts / Conische vlakslijping 90°

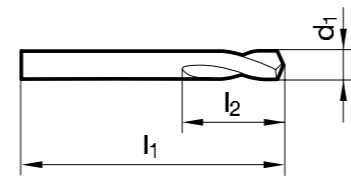
VHM NC-centreerboor 90°

Artikelnummer 723



- P** Staal ○
- M** RVS ○
- K** Gietijzer ○
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal ○

NC-centreerboor 90° VHM / DIN 6535-HA / Fabrieksnorm / Oppervlakte: blank
 Type: N / Snijrichting: rechts / Vlakslijping 90°



Artikelnummer 557 723

d1	l1	l2	code	code
mm	mm	mm		
3.00	46.00	12.00	.0300	-
4.00	55.00	12.00	.0400	.0400
5.00	62.00	14.00	.0500	.0500
6.00	66.00	16.00	.0600	.0600
8.00	79.00	21.00	.0800	.0800
10.00	89.00	25.00	.1000	.1000
12.00	102.00	30.00	.1200	.1200
13.00	102.00	30.00	.1300	.1300
14.00	107.00	33.50	.1400	.1400
16.00	115.00	37.50	.1600	.1600
20.00	131.00	45.00	.2000	.2000
25.00	151.00	53.00	.2500	-

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

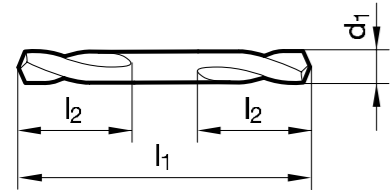


HSS Carrosserieboor

Artikelnummer 554



Carrosserieboor HSS / Fabrieksnorm / Oppervlakte: blank/stoomontlaten >2.36
Type: DK 77 Snijrichting: rechts / Conische vlakslijping 118°



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal ○

Artikelnummer 554

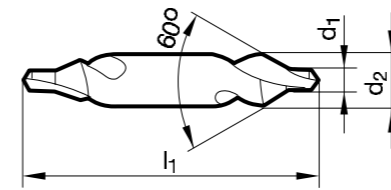
d1	l1	l2	code
mm	mm	mm	
1.50	32.00	6.00	.0150
2.00	38.00	7.50	.0200
2.50	43.00	9.50	.0250
3.00	46.00	10.60	.0300
3.50	52.00	12.50	.0350
4.00	55.00	14.00	.0400
4.00	58.00	15.50	.0450
5.00	62.00	17.00	.0500
5.00	66.00	19.00	.0550
6.00	66.00	19.00	.0600
6.00	70.00	21.20	.0650
7.00	74.00	23.60	.0700
7.50	74.00	23.60	.0750
8.00	79.00	25.00	.0800
8.50	79.00	25.00	.0850
9.00	84.00	25.00	.0900
9.50	84.00	25.00	.0950
10.00	89.00	25.00	.1000
10.50	89.00	25.00	.1050

HSS Centreerboor zonder vlak

Artikelnummer 581



Centreerboor zonder vlak HSS / DIN 333 / Oppervlakte: blank / Type: N
Snijrichting: rechts / Conische vlakslijping 118°



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal ○

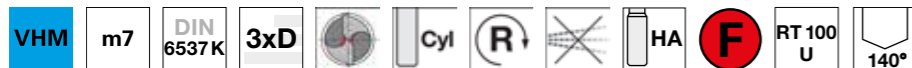
Artikelnummer 581

d1	l1	d2	code
mm	mm	mm	
1.00	3.15	31.50	.0100
1.25	3.15	31.50	.0125
1.60	4.00	35.50	.0160
2.00	5.00	40.00	.0200
2.50	6.30	45.00	.0250
3.50	8.00	50.00	.0315
4.00	10.00	56.00	.0400
5.00	12.50	63.00	.0500
6.00	16.00	71.00	.0630
8.00	20.00	80.00	.0800
10.00	25.00	100.00	.1000
12.50	31.50	125.00	.1250



VHM Ratioboor zonder koelkanalen

Artikelnummer 5514

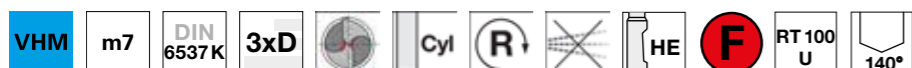


Ratioboor zonder koelkanalen VHM / 3xD / DIN 6537K / Oppervlakte: nanoFIRE
Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

VHM Ratioboor zonder koelkanalen

Artikelnummer 5614

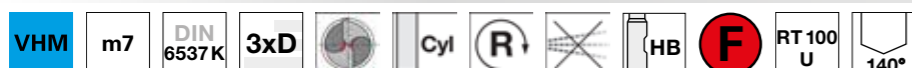


Ratioboor zonder koelkanalen VHM / 3xD / DIN 6537K / Oppervlakte: nanoFIRE
Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

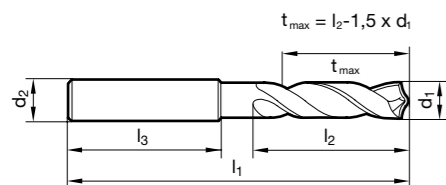
VHM Ratioboor zonder koelkanalen

Artikelnummer 6026



Ratioboor zonder koelkanalen VHM / 3xD / DIN 6537K / Oppervlakte: nanoFIRE
Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○



		Artikelnummer			5514	5614	6026
d1	d2 h6	l1	l2	l3	code	code	code
mm	mm	mm	mm	mm			
3.00	6.00	62.00	20.00	36.00	.0300	.0300	.0300
3.10	6.00	62.00	20.00	36.00	.0310	.0310	.0310
3.20	6.00	62.00	20.00	36.00	.0320	.0320	.0320
3.30	6.00	62.00	20.00	36.00	.0330	.0330	.0330
3.40	6.00	62.00	20.00	36.00	.0340	.0340	.0340
3.50	6.00	62.00	20.00	36.00	.0350	.0350	.0350
3.60	6.00	62.00	20.00	36.00	.0360	.0360	.0360
3.70	6.00	62.00	20.00	36.00	.0370	.0370	.0370
3.80	6.00	66.00	24.00	36.00	.0380	.0380	.0380
3.90	6.00	66.00	24.00	36.00	.0390	.0390	.0390
4.00	6.00	66.00	24.00	36.00	.0400	.0400	.0400
4.10	6.00	66.00	24.00	36.00	.0410	.0410	.0410
4.20	6.00	66.00	24.00	36.00	.0420	.0420	.0420
4.30	6.00	66.00	24.00	36.00	.0430	.0430	.0430
4.40	6.00	66.00	24.00	36.00	.0440	.0440	.0440

					Artikelnummer			5514	5614	6026
d1	d2 h6	l1	l2	l3	code	code	code	code	code	
mm	mm	mm	mm	mm						
4.50	6.00	66.00	24.00	36.00	.0450	.0450	.0450			
4.60	6.00	66.00	24.00	36.00	.0460	.0460	.0460			
4.70	6.00	66.00	24.00	36.00	.0470	.0470	.0470			
4.80	6.00	66.00	28.00	36.00	.0480	.0480	.0480			
4.90	6.00	66.00	28.00	36.00	.0490	.0490	.0490			
5.00	6.00	66.00	28.00	36.00	.0500	.0500	.0500			
5.10	6.00	66.00	28.00	36.00	.0510	.0510	.0510			
5.20	6.00	66.00	28.00	36.00	.0520	.0520	.0520			
5.30	6.00	66.00	28.00	36.00	.0530	.0530	.0530			
5.40	6.00	66.00	28.00	36.00	.0540	.0540	.0540			
5.50	6.00	66.00	28.00	36.00	.0550	.0550	.0550			
5.60	6.00	66.00	28.00	36.00	.0560	.0560	.0560			
5.70	6.00	66.00	28.00	36.00	.0570	.0570	.0570			
5.80	6.00	66.00	28.00	36.00	.0580	.0580	.0580			
5.90	6.00	66.00	28.00	36.00	.0590	.0590	.0590			
6.00	6.00	66.00	28.00	36.00	.0600	.0600	.0600			
6.10	8.00	79.00	34.00	36.00	.0610	.0610	.0610			
6.20	8.00	79.00	34.00	36.00	.0620	.0620	.0620			
6.30	8.00	79.00	34.00	36.00	.0630	.0630	.0630			
6.40	8.00	79.00	34.00	36.00	.0640	.0640	.0640			
6.50	8.00	79.00	34.00	36.00	.0650	.0650	.0650			
6.60	8.00	79.00	34.00	36.00	.0660	.0660	.0660			
6.70	8.00	79.00	34.00	36.00	.0670	.0670	.0670			
6.80	8.00	79.00	34.00	36.00	.0680	.0680	.0680			
6.90	8.00	79.00	34.00	36.00	.0690	.0690	.0690			
7.00	8.00	79.00	34.00	36.00	.0700	.0700	.0700			
7.10	8.00	79.00	41.00	36.00	.0710	.0710	.0710			
7.20	8.00	79.00	41.00	36.00	.0720	.0720	.0720			
7.30	8.00	79.00	41.00	36.00	.0730	.0730	.0730			
7.40	8.00	79.00	41.00	36.00	.0740	.0740	.0740			
7.50	8.00	79.00	41.00	36.00	.0750	.0750	.0750			
7.60	8.00	79.00	41.00	36.00	.0760	.0760	.0760			
7.70	8.00	79.00	41.00	36.00	.0770	.0770	.0770			
7.80	8.00	79.00	41.00	36.00	.0780	.0780	.0780			
7.90	8.00	79.00	41.00	36.00	.0790	.0790	.0790			
8.00	8.00	79.00	41.00	36.00	.0800	.0800	.0800			
8.10	10.00	89.00	47.00	40.00	.0810	.0810	.0810			
8.20	10.00	89.00	47.00	40.00	.0820	.0820	.0820			
8.30	10.00	89.00	47.00	40.00	.0830	.0830	.0830			
8.40	10.00	89.00	47.00	40.00	.0840	.0840	.0840			
8.50	10.00	89.00	47.00	40.00	.0850	.0850	.0850			
8.60	10.00	89.00	47.00	40.00	.0860	.0860	.0860			
8.70	10.00	89.00	47.00	40.00	.0870	.0870	.0870			
8.80	10.00	89.00	47.00	40.00	.0880	.0880	.0880			
8.90	10.00	89.00	47.00	40.00	.0890	.0890	.0890			
9.00	10.00	89.00	47.00	40.00	.0900	.0900	.0900			
9.10	10.00	89.00	47.00	40.00	.0910	.0910	.0910			
9.20	10.00	89.00	47.00	40.00	.0920	.0920	.0920			
9.30	10.00	89.00	47.00	40.00	.0930	.0930	.0930			
9.40	10.00	89.00	47.00	40.00	.0940	.0940	.0940			
9.50	10.00	89.00	47.00	40.00	.0950	.0950	.0950			
9.60	10.00	89.00	47.00	40.00	.0960	.0960	.0960			
9.70	10.00	89.00	47.00	40.00	.0970	.0970	.0970			
9.80	10.00	89.00	47.00	40.00	.0980	.0980	.0980			
9.90	10.00	89.00	47.00	40.00	.0990	.0990	.0990			
10.00	10.00	89.00	47.00	40.00	.1000	.1000	.1000			
10.10	12.00	102.00	55.00	45.00	.1010	.1010	.1010			



					Artikelnummer		
					5514	5614	6026
d1	d2 h6	l1	l2	l3	code	code	code
mm	mm	mm	mm	mm			
10.20	12.00	102.00	55.00	45.00	.1020	.1020	.1020
10.30	12.00	102.00	55.00	45.00	.1030	.1030	.1030
10.40	12.00	102.00	55.00	45.00	.1040	.1040	.1040
10.50	12.00	102.00	55.00	45.00	.1050	.1050	.1050
10.60	12.00	102.00	55.00	45.00	.1060	.1060	.1060
10.70	12.00	102.00	55.00	45.00	.1070	.1070	.1070
10.80	12.00	102.00	55.00	45.00	.1080	.1080	.1080
10.90	12.00	102.00	55.00	45.00	.1090	.1090	.1090
11.00	12.00	102.00	55.00	45.00	.1100	.1100	.1100
11.50	12.00	102.00	55.00	45.00	.1150	.1150	.1150
12.00	12.00	102.00	55.00	45.00	.1200	.1200	.1200
12.50	14.00	107.00	60.00	45.00	.1250	.1250	.1250
13.00	14.00	107.00	60.00	45.00	.1300	.1300	.1300
13.50	14.00	107.00	60.00	45.00	.1350	.1350	.1350
14.00	14.00	107.00	60.00	45.00	.1400	.1400	.1400
14.50	16.00	115.00	65.00	48.00	.1450	.1450	.1450
15.00	16.00	115.00	65.00	48.00	.1500	.1500	.1500
15.50	16.00	115.00	65.00	48.00	.1550	.1550	.1550
16.00	16.00	115.00	65.00	48.00	.1600	.1600	.1600
16.50	18.00	123.00	73.00	48.00	.1650	.1650	.1650
17.00	18.00	123.00	73.00	48.00	.1700	.1700	.1700
17.50	18.00	123.00	73.00	48.00	.1750	.1750	.1750
18.00	18.00	123.00	73.00	48.00	.1800	.1800	.1800
18.50	20.00	131.00	79.00	50.00	.1850	.1850	.1850
19.00	20.00	131.00	79.00	50.00	.1900	.1900	.1900
19.50	20.00	131.00	79.00	50.00	.1950	.1950	.1950
20.00	20.00	131.00	79.00	50.00	.2000	.2000	.2000

VHM Ratioboor zonder koelkanalen

Artikelnummer 5515



Ratioboor zonder koelkanalen VHM / 5xD / DIN 6537L / Oppervlakte: nanoFIRE Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

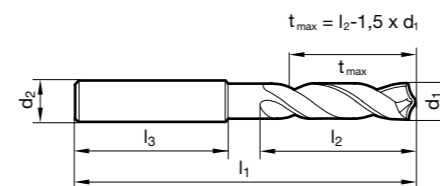
VHM Ratioboor zonder koelkanalen

Artikelnummer 5615



Ratioboor zonder koelkanalen VHM / 5xD / DIN 6537L / Oppervlakte: nanoFIRE Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○



					Artikelnummer	
					5515	5615
d1	d2 h6	l1	l2	l3	code	code
mm	mm	mm	mm	mm		
3.00	6.00	62.00	20.00	36.00	.0300	.0300
3.10	6.00	62.00	20.00	36.00	.0310	.0310
3.20	6.00	62.00	20.00	36.00	.0320	.0320
3.30	6.00	62.00	20.00	36.00	.0330	.0330
3.40	6.00	62.00	20.00	36.00	.0340	.0340
3.50	6.00	62.00	20.00	36.00	.0350	.0350
3.60	6.00	62.00	20.00	36.00	.0360	.0360
3.70	6.00	62.00	20.00	36.00	.0370	.0370
3.80	6.00	66.00	24.00	36.00	.0380	.0380
3.90	6.00	66.00	24.00	36.00	.0390	.0390
4.00	6.00	66.00	24.00	36.00	.0400	.0400
4.10	6.00	66.00	24.00	36.00	.0410	.0410
4.20	6.00	66.00	24.00	36.00	.0420	.0420
4.30	6.00	66.00	24.00	36.00	.0430	.0430
4.40	6.00	66.00	24.00	36.00	.0440	.0440
4.50	6.00	66.00	24.00	36.00	.0450	.0450
4.60	6.00	66.00	24.00	36.00	.0460	.0460
4.70	6.00	66.00	24.00	36.00	.0470	.0470
4.80	6.00	66.00	28.00	36.00	.0480	.0480
4.90	6.00	66.00	28.00	36.00	.0490	.0490
5.00	6.00	66.00	28.00	36.00	.0500	.0500
5.10	6.00	66.00	28.00	36.00	.0510	.0510
5.20	6.00	66.00	28.00	36.00	.0520	.0520
5.30	6.00	66.00	28.00	36.00	.0530	.0530
5.40	6.00	66.00	28.00	36.00	.0540	.0540
5.50	6.00	66.00	28.00	36.00	.0550	.0550
5.60	6.00	66.00	28.00	36.00	.0560	.0560
5.70	6.00	66.00	28.00	36.00	.0570	.0570



Boren

Artikelnummer					5515	5615
d1	d2 h6	I1	I2	I3	code	code
mm	mm	mm	mm	mm		
5.80	6.00	66.00	28.00	36.00	.0580	.0580
5.90	6.00	66.00	28.00	36.00	.0590	.0590
6.00	6.00	66.00	28.00	36.00	.0600	.0600
6.10	8.00	79.00	34.00	36.00	.0610	.0610
6.20	8.00	79.00	34.00	36.00	.0620	.0620
6.30	8.00	79.00	34.00	36.00	.0630	.0630
6.40	8.00	79.00	34.00	36.00	.0640	.0640
6.50	8.00	79.00	34.00	36.00	.0650	.0650
6.60	8.00	79.00	34.00	36.00	.0660	.0660
6.70	8.00	79.00	34.00	36.00	.0670	.0670
6.80	8.00	79.00	34.00	36.00	.0680	.0680
6.90	8.00	79.00	34.00	36.00	.0690	.0690
7.00	8.00	79.00	34.00	36.00	.0700	.0700
7.10	8.00	79.00	41.00	36.00	.0710	.0710
7.20	8.00	79.00	41.00	36.00	.0720	.0720
7.30	8.00	79.00	41.00	36.00	.0730	.0730
7.40	8.00	79.00	41.00	36.00	.0740	.0740
7.50	8.00	79.00	41.00	36.00	.0750	.0750
7.60	8.00	79.00	41.00	36.00	.0760	.0760
7.70	8.00	79.00	41.00	36.00	.0770	.0770
7.80	8.00	79.00	41.00	36.00	.0780	.0780
7.90	8.00	79.00	41.00	36.00	.0790	.0790
8.00	8.00	79.00	41.00	36.00	.0800	.0800
8.10	10.00	89.00	47.00	40.00	.0810	.0810
8.20	10.00	89.00	47.00	40.00	.0820	.0820
8.30	10.00	89.00	47.00	40.00	.0830	.0830
8.40	10.00	89.00	47.00	40.00	.0840	.0840
8.50	10.00	89.00	47.00	40.00	.0850	.0850
8.60	10.00	89.00	47.00	40.00	.0860	.0860
8.70	10.00	89.00	47.00	40.00	.0870	.0870
8.80	10.00	89.00	47.00	40.00	.0880	.0880
8.90	10.00	89.00	47.00	40.00	.0890	.0890
9.00	10.00	89.00	47.00	40.00	.0900	.0900
9.10	10.00	89.00	47.00	40.00	.0910	.0910
9.20	10.00	89.00	47.00	40.00	.0920	.0920
9.30	10.00	89.00	47.00	40.00	.0930	.0930
9.40	10.00	89.00	47.00	40.00	.0940	.0940
9.50	10.00	89.00	47.00	40.00	.0950	.0950
9.60	10.00	89.00	47.00	40.00	.0960	.0960
9.70	10.00	89.00	47.00	40.00	.0970	.0970
9.80	10.00	89.00	47.00	40.00	.0980	.0980
9.90	10.00	89.00	47.00	40.00	.0990	.0990
10.00	10.00	89.00	47.00	40.00	.1000	.1000
10.10	12.00	102.00	55.00	45.00	.1010	.1010
10.20	12.00	102.00	55.00	45.00	.1020	.1020
10.30	12.00	102.00	55.00	45.00	.1030	.1030
10.40	12.00	102.00	55.00	45.00	.1040	.1040
10.50	12.00	102.00	55.00	45.00	.1050	.1050
10.60	12.00	102.00	55.00	45.00	.1060	.1060
10.70	12.00	102.00	55.00	45.00	.1070	.1070
10.80	12.00	102.00	55.00	45.00	.1080	.1080
10.90	12.00	102.00	55.00	45.00	.1090	.1090
11.00	12.00	102.00	55.00	45.00	.1100	.1100
11.50	12.00	102.00	55.00	45.00	.1150	.1150
12.00	12.00	102.00	55.00	45.00	.1200	.1200
12.50	14.00	107.00	60.00	45.00	.1250	.1250
13.00	14.00	107.00	60.00	45.00	.1300	.1300

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Artikelnummer					5515	5615
d1	d2 h6	I1	I2	I3	code	code
mm	mm	mm	mm	mm		
13.50	14.00	107.00	60.00	45.00	.1350	.1350
14.00	14.00	107.00	60.00	45.00	.1400	.1400
14.50	16.00	115.00	65.00	48.00	.1450	.1450
15.00	16.00	115.00	65.00	48.00	.1500	.1500
15.50	16.00	115.00	65.00	48.00	.1550	.1550
16.00	16.00	115.00	65.00	48.00	.1600	.1600
16.50	18.00	123.00	73.00	48.00	.1650	.1650
17.00	18.00	123.00	73.00	48.00	.1700	.1700
17.50	18.00	123.00	73.00	48.00	.1750	.1750
18.00	18.00	123.00	73.00	48.00	.1800	.1800
18.50	20.00	131.00	79.00	50.00	.1850	.1850
19.00	20.00	131.00	79.00	50.00	.1900	.1900
19.50	20.00	131.00	79.00	50.00	.1950	.1950
20.00	20.00	131.00	79.00	50.00	.2000	.2000



VHM Ratioboor met koelkanalen

Artikelnummer **5510**



Ratioboor met koelkanalen VHM / 3xD / DIN 6537K / Oppervlakte: nanoFIRE
Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

VHM Ratioboor met koelkanalen

Artikelnummer **5610**



Ratioboor met koelkanalen VHM / 3xD / DIN 6537K / Oppervlakte: nanoFIRE
Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

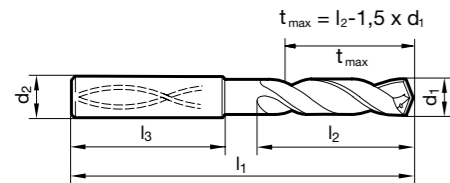
VHM Ratioboor met koelkanalen

Artikelnummer **6023**



Ratioboor met koelkanalen VHM / 3xD / DIN 6537K / Oppervlakte: nanoFIRE
Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○



		Artikelnummer			5510	5610	6023
d1	d2 h6	l1	l2	l3	code	code	code
mm	mm	mm	mm	mm			
3.00	6.00	62.00	20.00	36.00	.0300	.0300	.0300
3.10	6.00	62.00	20.00	36.00	.0310	.0310	.0310
3.20	6.00	62.00	20.00	36.00	.0320	.0320	.0320
3.30	6.00	62.00	20.00	36.00	.0330	.0330	.0330
3.40	6.00	62.00	20.00	36.00	.0340	.0340	.0340
3.50	6.00	62.00	20.00	36.00	.0350	.0350	.0350
3.60	6.00	62.00	20.00	36.00	.0360	.0360	.0360
3.70	6.00	62.00	20.00	36.00	.0370	.0370	.0370
3.80	6.00	66.00	24.00	36.00	.0380	.0380	.0380
3.90	6.00	66.00	24.00	36.00	.0390	.0390	.0390
4.00	6.00	66.00	24.00	36.00	.0400	.0400	.0400
4.10	6.00	66.00	24.00	36.00	.0410	.0410	.0410
4.20	6.00	66.00	24.00	36.00	.0420	.0420	.0420
4.30	6.00	66.00	24.00	36.00	.0430	.0430	.0430
4.40	6.00	66.00	24.00	36.00	.0440	.0440	.0440

					Artikelnummer			5510	5610	6023
d1	d2 h6	l1	l2	l3			code	code	code	
mm	mm	mm	mm	mm						
4.50	6.00	66.00	24.00	36.00			.0450	.0450	.0450	
4.60	6.00	66.00	24.00	36.00			.0460	.0460	.0460	
4.70	6.00	66.00	24.00	36.00			.0470	.0470	.0470	
4.80	6.00	66.00	28.00	36.00			.0480	.0480	.0480	
4.90	6.00	66.00	28.00	36.00			.0490	.0490	.0490	
5.00	6.00	66.00	28.00	36.00			.0500	.0500	.0500	
5.10	6.00	66.00	28.00	36.00			.0510	.0510	.0510	
5.20	6.00	66.00	28.00	36.00			.0520	.0520	.0520	
5.30	6.00	66.00	28.00	36.00			.0530	.0530	.0530	
5.40	6.00	66.00	28.00	36.00			.0540	.0540	.0540	
5.50	6.00	66.00	28.00	36.00			.0550	.0550	.0550	
5.60	6.00	66.00	28.00	36.00			.0560	.0560	.0560	
5.70	6.00	66.00	28.00	36.00			.0570	.0570	.0570	
5.80	6.00	66.00	28.00	36.00			.0580	.0580	.0580	
5.90	6.00	66.00	28.00	36.00			.0590	.0590	.0590	
6.00	6.00	66.00	28.00	36.00			.0600	.0600	.0600	
6.10	8.00	79.00	34.00	36.00			.0610	.0610	.0610	
6.20	8.00	79.00	34.00	36.00			.0620	.0620	.0620	
6.30	8.00	79.00	34.00	36.00			.0630	.0630	.0630	
6.40	8.00	79.00	34.00	36.00			.0640	.0640	.0640	
6.50	8.00	79.00	34.00	36.00			.0650	.0650	.0650	
6.60	8.00	79.00	34.00	36.00			.0660	.0660	.0660	
6.70	8.00	79.00	34.00	36.00			.0670	.0670	.0670	
6.80	8.00	79.00	34.00	36.00			.0680	.0680	.0680	
6.90	8.00	79.00	34.00	36.00			.0690	.0690	.0690	
7.00	8.00	79.00	34.00	36.00			.0700	.0700	.0700	
7.10	8.00	79.00	41.00	36.00			.0710	.0710	.0710	
7.20	8.00	79.00	41.00	36.00			.0720	.0720	.0720	
7.30	8.00	79.00	41.00	36.00			.0730	.0730	.0730	
7.40	8.00	79.00	41.00	36.00			.0740	.0740	.0740	
7.50	8.00	79.00	41.00	36.00			.0750	.0750	.0750	
7.60	8.00	79.00	41.00	36.00			.0760	.0760	.0760	
7.70	8.00	79.00	41.00	36.00			.0770	.0770	.0770	
7.80	8.00	79.00	41.00	36.00			.0780	.0780	.0780	
7.90	8.00	79.00	41.00	36.00			.0790	.0790	.0790	
8.00	8.00	79.00	41.00	36.00			.0800	.0800	.0800	
8.10	10.00	89.00	47.00	40.00			.0810	.0810	.0810	
8.20	10.00	89.00	47.00	40.00			.0820	.0820	.0820	
8.30	10.00	89.00	47.00	40.00			.0830	.0830	.0830	
8.40	10.00	89.00	47.00	40.00			.0840	.0840	.0840	
8.50	10.00	89.00	47.00	40.00			.0850	.0850	.0850	
8.60	10.00	89.00	47.00	40.00			.0860	.0860	.0860	
8.70	10.00	89.00	47.00	40.00			.0870	.0870	.0870	
8.80	10.00	89.00	47.00	40.00			.0880	.0880	.0880	
8.90	10.00	89.00	47.00	40.00			.0890	.0890	.0890	
9.00	10.00	89.00	47.00	40.00			.0900	.0900	.0900	
9.10	10.00	89.00	47.00	40.00			.0910	.0910	.0910	
9.20	10.00	89.00	47.00	40.00			.0920	.0920	.0920	
9.30	10.00	89.00	47.00	40.00			.0930	.0930	.0930	
9.40	10.00	89.00	47.00	40.00			.0940	.0940	.0940	
9.50	10.00	89.00	47.00	40.00			.0950	.0950	.0950	
9.60	10.00	89.00	47.00	40.00			.0960	.0960	.0960	
9.70	10.00	89.00	47.00	40.00			.0970	.0970	.0970	
9.80	10.00	89.00	47.00	40.00			.0980	.0980	.0980	
9.90	10.00	89.00	47.00	40.00			.0990	.0990	.0990	
10.00	10.00	89.00	47.00	40.00			.1000	.1000	.1000	
10.10	12.00	102.00	55.00	45.00			.1010	.1010	.1010	



					Artikelnummer	5510	5610	6023
d1	d2 h6	l1	l2	l3		code	code	code
mm	mm	mm	mm	mm				
10.20	12.00	102.00	55.00	45.00		.1020	.1020	.1020
10.30	12.00	102.00	55.00	45.00		.1030	.1030	.1030
10.40	12.00	102.00	55.00	45.00		.1040	.1040	.1040
10.50	12.00	102.00	55.00	45.00		.1050	.1050	.1050
10.60	12.00	102.00	55.00	45.00		.1060	.1060	.1060
10.70	12.00	102.00	55.00	45.00		.1070	.1070	.1070
10.80	12.00	102.00	55.00	45.00		.1080	.1080	.1080
10.90	12.00	102.00	55.00	45.00		.1090	.1090	.1090
11.00	12.00	102.00	55.00	45.00		.1100	.1100	.1100
11.50	12.00	102.00	55.00	45.00		.1150	.1150	.1150
12.00	12.00	102.00	55.00	45.00		.1200	.1200	.1200
12.50	14.00	107.00	60.00	45.00		.1250	.1250	.1250
13.00	14.00	107.00	60.00	45.00		.1300	.1300	.1300
13.50	14.00	107.00	60.00	45.00		.1350	.1350	.1350
14.00	14.00	107.00	60.00	45.00		.1400	.1400	.1400
14.50	16.00	115.00	65.00	48.00		.1450	.1450	.1450
15.00	16.00	115.00	65.00	48.00		.1500	.1500	.1500
15.50	16.00	115.00	65.00	48.00		.1550	.1550	.1550
16.00	16.00	115.00	65.00	48.00		.1600	.1600	.1600
16.50	18.00	123.00	73.00	48.00		.1650	.1650	.1650
17.00	18.00	123.00	73.00	48.00		.1700	.1700	.1700
17.50	18.00	123.00	73.00	48.00		.1750	.1750	.1750
18.00	18.00	123.00	73.00	48.00		.1800	.1800	.1800
18.50	20.00	131.00	79.00	50.00		.1850	.1850	.1850
19.00	20.00	131.00	79.00	50.00		.1900	.1900	.1900
19.50	20.00	131.00	79.00	50.00		.1950	.1950	.1950
20.00	20.00	131.00	79.00	50.00		.2000	.2000	.2000

VHM Ratioboer met koelkanalen

Artikelnummer 5511



Ratioboer met koelkanalen VHM / 5xD / DIN 6537L / Oppervlakte: nanoFIRE
Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

VHM Ratioboer met koelkanalen

Artikelnummer 5611



Ratioboer met koelkanalen VHM / 5xD / DIN 6537L / Oppervlakte: nanoFIRE
Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

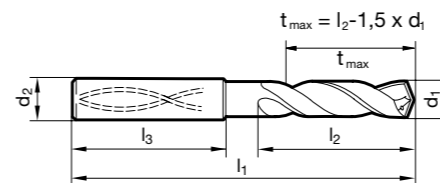
VHM Ratioboer met koelkanalen

Artikelnummer 5650



Ratioboer met koelkanalen VHM / 5xD / DIN 6537L / Oppervlakte: nanoFIRE
Type: RT 100 U / Snijrichting: rechts / Vlakslijping 140°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○



					Artikelnummer	5511	5611	5650
d1	d2 h6	l1	l2	l3		code	code	code
mm	mm	mm	mm	mm				
3.00	6.00	62.00	20.00	36.00		.0300	.0300	.0300
3.10	6.00	62.00	20.00	36.00		.0310	.0310	.0310
3.20	6.00	62.00	20.00	36.00		.0320	.0320	.0320
3.30	6.00	62.00	20.00	36.00		.0330	.0330	.0330
3.40	6.00	62.00	20.00	36.00		.0340	.0340	.0340
3.50	6.00	62.00	20.00	36.00		.0350	.0350	.0350
3.60	6.00	62.00	20.00	36.00		.0360	.0360	.0360
3.70	6.00	62.00	20.00	36.00		.0370	.0370	.0370
3.80	6.00	66.00	24.00	36.00		.0380	.0380	.0380
3.90	6.00	66.00	24.00	36.00		.0390	.0390	.0390
4.00	6.00	66.00	24.00	36.00		.0400	.0400	.0400
4.10	6.00	66.00	24.00	36.00		.0410	.0410	.0410
4.20	6.00	66.00	24.00	36.00		.0420	.0420	.0420
4.30	6.00	66.00	24.00	36.00		.0430	.0430	.0430
4.40	6.00	66.00	24.00	36.00		.0440	.0440	.0440



Boren

		Artikelnummer			5511	5611	5650
d1	d2 h6	I1	I2	I3	code	code	code
mm	mm	mm	mm	mm			
4.50	6.00	66.00	24.00	36.00	.0450	.0450	.0450
4.60	6.00	66.00	24.00	36.00	.0460	.0460	.0460
4.70	6.00	66.00	24.00	36.00	.0470	.0470	.0470
4.80	6.00	66.00	28.00	36.00	.0480	.0480	.0480
4.90	6.00	66.00	28.00	36.00	.0490	.0490	.0490
5.00	6.00	66.00	28.00	36.00	.0500	.0500	.0500
5.10	6.00	66.00	28.00	36.00	.0510	.0510	.0510
5.20	6.00	66.00	28.00	36.00	.0520	.0520	.0520
5.30	6.00	66.00	28.00	36.00	.0530	.0530	.0530
5.40	6.00	66.00	28.00	36.00	.0540	.0540	.0540
5.50	6.00	66.00	28.00	36.00	.0550	.0550	.0550
5.60	6.00	66.00	28.00	36.00	.0560	.0560	.0560
5.70	6.00	66.00	28.00	36.00	.0570	.0570	.0570
5.80	6.00	66.00	28.00	36.00	.0580	.0580	.0580
5.90	6.00	66.00	28.00	36.00	.0590	.0590	.0590
6.00	6.00	66.00	28.00	36.00	.0600	.0600	.0600
6.10	8.00	79.00	34.00	36.00	.0610	.0610	.0610
6.20	8.00	79.00	34.00	36.00	.0620	.0620	.0620
6.30	8.00	79.00	34.00	36.00	.0630	.0630	.0630
6.40	8.00	79.00	34.00	36.00	.0640	.0640	.0640
6.50	8.00	79.00	34.00	36.00	.0650	.0650	.0650
6.60	8.00	79.00	34.00	36.00	.0660	.0660	.0660
6.70	8.00	79.00	34.00	36.00	.0670	.0670	.0670
6.80	8.00	79.00	34.00	36.00	.0680	.0680	.0680
6.90	8.00	79.00	34.00	36.00	.0690	.0690	.0690
7.00	8.00	79.00	34.00	36.00	.0700	.0700	.0700
7.10	8.00	79.00	41.00	36.00	.0710	.0710	.0710
7.20	8.00	79.00	41.00	36.00	.0720	.0720	.0720
7.30	8.00	79.00	41.00	36.00	.0730	.0730	.0730
7.40	8.00	79.00	41.00	36.00	.0740	.0740	.0740
7.50	8.00	79.00	41.00	36.00	.0750	.0750	.0750
7.60	8.00	79.00	41.00	36.00	.0760	.0760	.0760
7.70	8.00	79.00	41.00	36.00	.0770	.0770	.0770
7.80	8.00	79.00	41.00	36.00	.0780	.0780	.0780
7.90	8.00	79.00	41.00	36.00	.0790	.0790	.0790
8.00	8.00	79.00	41.00	36.00	.0800	.0800	.0800
8.10	10.00	89.00	47.00	40.00	.0810	.0810	.0810
8.20	10.00	89.00	47.00	40.00	.0820	.0820	.0820
8.30	10.00	89.00	47.00	40.00	.0830	.0830	.0830
8.40	10.00	89.00	47.00	40.00	.0840	.0840	.0840
8.50	10.00	89.00	47.00	40.00	.0850	.0850	.0850
8.60	10.00	89.00	47.00	40.00	.0860	.0860	.0860
8.70	10.00	89.00	47.00	40.00	.0870	.0870	.0870
8.80	10.00	89.00	47.00	40.00	.0880	.0880	.0880
8.90	10.00	89.00	47.00	40.00	.0890	.0890	.0890
9.00	10.00	89.00	47.00	40.00	.0900	.0900	.0900
9.10	10.00	89.00	47.00	40.00	.0910	.0910	.0910
9.20	10.00	89.00	47.00	40.00	.0920	.0920	.0920
9.30	10.00	89.00	47.00	40.00	.0930	.0930	.0930
9.40	10.00	89.00	47.00	40.00	.0940	.0940	.0940
9.50	10.00	89.00	47.00	40.00	.0950	.0950	.0950
9.60	10.00	89.00	47.00	40.00	.0960	.0960	.0960
9.70	10.00	89.00	47.00	40.00	.0970	.0970	.0970
9.80	10.00	89.00	47.00	40.00	.0980	.0980	.0980
9.90	10.00	89.00	47.00	40.00	.0990	.0990	.0990
10.00	10.00	89.00	47.00	40.00	.1000	.1000	.1000

Draadsnijden

Frezen

Ruimen

Verzinken

Artikelnummer 5511 5611 5650

d1	d2 h6	I1	I2	I3	code	code	code
mm	mm	mm	mm	mm			
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10.20	12.00	102.00	55.00	45.00	.1020	.1020	.1020
10.30	12.00	102.00	55.00	45.00	.1030	.1030	.1030
10.40	12.00	102.00	55.00	45.00	.1040	.1040	.1040
10.50	12.00	102.00	55.00	45.00	.1050	.1050	.1050
10.60	12.00	102.00	55.00	45.00	.1060	.1060	.1060
10.70	12.00	102.00	55.00	45.00	.1070	.1070	.1070
10.80	12.00	102.00	55.00	45.00	.1080	.1080	.1080
10.90	12.00	102.00	55.00	45.00	.1090	.1090	.1090
11.00	12.00	102.00	55.00	45.00	.1100	.1100	.1100
11.50	12.00	102.00	55.00	45.00	.1150	.1150	.1150
12.00	12.00	102.00	55.00	45.00	.1200	.1200	.1200
12.50	14.00	107.00	60.00	45.00	.1250	.1250	.1250
13.00	14.00	107.00	60.00	45.00	.1300	.1300	.1300
13.50	14.00	107.00	60.00	45.00	.1350	.1350	.1350
14.00	14.00	107.00	60.00	45.00	.1400	.1400	.1400
14.50	16.00	115.00	65.00	48.00	.1450	.1450	.1450
15.00	16.00	115.00	65.00	48.00	.1500	.1500	.1500
15.50	16.00	115.00	65.00	48.00	.1550	.1550	.1550
16.00	16.00	115.00	65.00	48.00	.1600	.1600	.1600
16.50	18.00	123.00	73.00	48.00	.1650	.1650	.1650
17.00	18.00	123.00	73.00	48.00	.1700	.1700	.1700
17.50	18.00	123.00	73.00	48.00	.1750	.1750	.1750
18.00	18.00	123.00	73.00	48.00	.1800	.1800	.1800
18.50	20.00	131.00	79.00	50.00	.1850	.1850	.1850
19.00	20.00	131.00	79.00	50.00	.1900	.1900	.1900
19.50	20.00	131.00	79.00	50.00	.1950	.1950	.1950
20.00	20.00	131.00	79.00	50.00	.2000	.2000	.2000

Boren

Draadsnijden

Frezen

Ruimen

Verzinken



HSS Spiraalborensset

Artikelnummer 201



Spiraalborensset HSS / Ø-Bereik 1,0-13,0 / oplopend met 0,5 / DIN 338
Oppervlakte: blank/stoomontlaten >2.36/ Type: N / Snijrichting: rechts
Conische vlakslijping 118°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

Artikelnummer			201
Bereik	Oplopend met	Aantal	code
1.0 - 10.0	0.5	Set	.0019
1.0 - 13.0	0.5	Set	.0025

HSS StepPower Spiraalborensset

Artikelnummer 9501



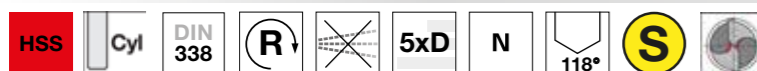
StepPower borensset HSS / Ø-Bereik 1,0-13,0 / oplopend met 0,5
DIN 338 / Oppervlakte: stoomontlaten / Type: N / Snijrichting: rechts
Conische vlakslijping 118°

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

Artikelnummer			9501
Bereik	Oplopend met	Aantal	code
1.0 - 10.0	0.5	Set	.0019
1.0 - 13.0	0.5	Set	.0025

HSS TiN-Tip Spiraalborensset

Artikelnummer 234



Spiraalborensset HSS / Ø-Bereik 1,0-13,0 / oplopend met 0,5 / DIN 338
Oppervlakte: TiN / Type: N / Snijrichting: rechts / Conische vlakslijping 118°

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal ○

Artikelnummer			234
Bereik	Oplopend met	Aantal	code
1.0 - 10.0	0.5	Set	.0019
1.0 - 13.0	0.5	Set	.0025

HSCO StepPower Spiraalborensset

Artikelnummer 9503



StepPower borensset HSCO / Ø-Bereik 1,0-13,0 / oplopend met 0,5
DIN 338 / Oppervlakte: paars ontlaten / Type: N / Snijrichting: rechts
Conische vlakslijping 118°

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal ○

Artikelnummer			5538
Bereik	Oplopend met	Aantal	code
1.0 - 10.0	0.5	Set	.0019
1.0 - 13.0	0.5	Set	.0025



HSCO Spiraalborensset

Artikelnummer 9001



Spiraalborensset HSCO / Ø-Bereik 1,0-13,0 / oplopend met 0,5 / DIN 338
Oppervlakte: paars ontlaten / Type: GU 3FS / Snijrichting: rechts

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal

Artikelnummer 9001

Bereik	Oplopend met	Aantal	code
1.0 - 10.0	0.5	Set	.0019
1.0 - 13.0	0.5	Set	.0025

Spiraalborensset HSCO

Artikelnummer 18



Spiraalborensset HSCO / Ø-Bereik 1,0-13,0 / oplopend met 0,5 / DIN 338
Oppervlakte: blank / Type: Ti / Snijrichting: rechts / Conische vlakslijping 130°

- P** Staal ○
- M** RVS ●
- K** Gietijzer
- N** Aluminium
- S** Titanium ●
- H** Gehard staal ○

Artikelnummer 18

Bereik	Oplopend met	Aantal	code
1.0 - 10.0	0.5	Set	.0019
1.0 - 13.0	0.5	Set	.0025





5733 5734 5716 5717 5723 5724 5731 5732 5725 5726 5727 5728

4218 393 5557 5551 152 139 130 4226 5547 diverse



Materiaal	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E
DIN Norm.	DIN 371	DIN 371	DIN 376	DIN 376	DIN 374	DIN 374	DIN 5156	DIN 5156	DIN 371/376	DIN 371/376	DIN 374	DIN 374
Vorm	B	C	B	C	B	C	B	C	B	C	B	C
Coating	○	○	○	○	○	○	○	○	○	○	○	○
Pagina	40	41	41	42	42	43	43	44	44	45	45	45

Materiaal	HSS-E	HSS-E	HSS-E	HSS-E	HSS	HSS-E	HSS	VHM	VHM	HSS-E
DIN Norm.	DIN 371/376	DIN 371/376	DIN 371/376	DIN 371/376	DIN EN 22568	DIN EN 22568	DIN 382			DIN 371/376
Vorm	B	C	B	C						
Coating	S	A						S	S	○
Pagina	46	47	47	47	48	48	49	50	51	52 - 53

Staal <600N/mm²	○	○	○	○	○	○	○	○	●	○	○	○
Staal <800N/mm²	○	○	○	○	○	○	○	○	●	○	○	○
Staal <1200N/mm²	○	○	○	○	○	○	○	○	●	○	○	○
Staal <1600N/mm²	○	○	○	○	○	○	○	○	●	○	○	○
RVS	○	○	○	○	○	○	○	○	●	○	●	○
Gietijzer	○	○	○	○	○	○	○	○	○	○	○	○
Aluminium	○	○	○	○	○	○	○	○	●	○	●	○
Titanium												
Gehard staal												

Staal <600N/mm²	●	●			●	●	●	●	●			
Staal <800N/mm²	●	●			●	●	●	●	●			
Staal <1200N/mm²	●	●			●	●	●	●	●			
Staal <1600N/mm²	●	●			●	●	●	●	●			
RVS	●	●				●		●	○			
Gietijzer	○	○			●			●	●			
Aluminium	○	○	●	●	●			●	●			
Titanium	○	○						○	○			
Gehard staal								○	○			

● Optimaal geschikt
○ Beperkt geschikt



HSS-E Machinetap voor metrische ISO-draad, Doorlopend

Artikelnummer 5733



Machinetap voor metrische ISO-draad / ISO2/6H / DIN 371 / DIN 2184-1 / HSS-E stoomontlaten / Type: N / Vorm: B / Doorlopend gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal

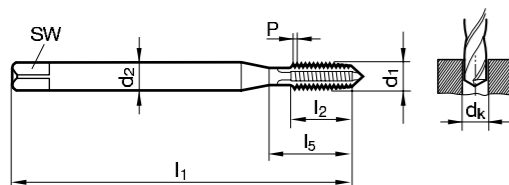
HSS-E Machinetap voor metrische ISO-draad, Blind

Artikelnummer 5734



Machinetap voor metrische ISO-draad / ISO2/6H / DIN 371 / DIN 2184-1 / HSS-E stoomontlaten / Type: N R40 / Vorm: C / Blind gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal



Artikelnummer 5733 5734

d1	P	d2	SW	dk	l1	l2	Artikelnummer	
							code	code
M3	0.50	3.50	2.70	2.50	56.00	6.00	.0300	.0300
M4	0.70	4.50	3.40	3.30	63.00	7.50	.0400	.0400
M5	0.80	6.00	4.90	4.20	70.00	8.50	.0500	.0500
M6	1.00	6.00	4.90	5.00	80.00	11.00	.0600	.0600
M8	1.25	8.00	6.20	6.80	90.00	14.00	.0800	.0800
M10	1.50	10.00	8.00	8.50	100.00	16.00	.1000	.1000

HSS-E Machinetap voor metrische ISO-draad, Doorlopend

Artikelnummer 5716



Machinetap voor metrische ISO-draad / ISO2/6H / DIN 376 / DIN 2184-1 / HSS-E stoomontlaten / Type: N / Vorm: B / Doorlopend gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal

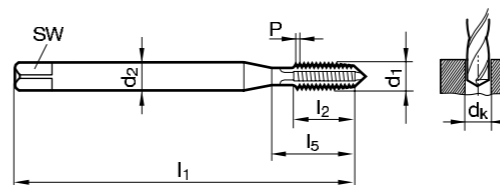
HSS-E Machinetap voor metrische ISO-draad, Blind

Artikelnummer 5717



Machinetap voor metrische ISO-draad / ISO2/6H / DIN 376 / DIN 2184-1 / HSS-E stoomontlaten / Type: N R40 / Vorm: C / Blind gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal



Artikelnummer 5716 5717

d1	P	d2	SW	dk	l1	l2	Artikelnummer	
							code	code
M3	0.50	2.20	2.10	2.50	56.00	10.00	.0300	.0300
M4	0.70	2.80	2.10	3.30	63.00	12.00	.0400	.0400
M5	0.80	3.50	2.70	4.20	70.00	14.00	.0500	.0500
M6	1.00	4.50	3.40	5.00	80.00	16.00	.0600	.0600
M8	1.25	6.00	4.90	6.80	90.00	17.00	.0800	.0800
M10	1.50	7.00	5.50	8.50	100.00	20.00	.1000	.1000
M12	1.75	9.00	7.00	10.20	110.00	24.00	.1200	.1200
M16	2.00	12.00	9.00	14.00	110.00	26.00	.1600	.1600
M20	2.50	16.00	12.00	17.50	140.00	32.00	.2000	.2000



HSS-E Machinetap voor metrisch fijne ISO-draad, Doorlopend

Artikelnummer 5723

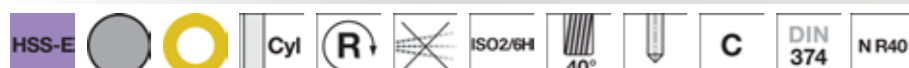


Machinetap voor metrische ISO-fijne draad / ISO2/6H / DIN 374 / DIN 2184-1 HSS-E / stoomontlaten / Type: N / Vorm: B / Doorlopend gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal

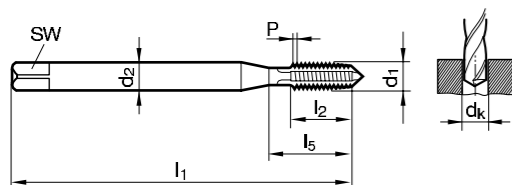
HSS-E Machinetap voor metrisch fijne ISO-draad, Blind

Artikelnummer 5724



Machinetap voor metrische ISO-fijne draad / ISO2/6H / DIN 374 / DIN 2184-1 HSS-E / stoomontlaten / Type: NR40 / Vorm: C / Blind gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal



Artikelnummer 5723 5724

d1	d2	SW	dk	l1	l2	code	code
mm	mm	mm	mm	mm	mm		
M4X0.5	2.80	2.10	3.50	63.00	8.00	.0405	.0405
M5X0.5	3.50	2.70	4.50	70.00	10.00	.0505	.0505
M6X0.75	4.50	3.40	5.20	80.00	13.00	.0607	.0607
M8X1	6.00	4.90	7.00	90.00	16.00	.0810	.0810
M10X1	7.00	5.50	9.00	90.00	16.00	.1010	.1010
M12X1	9.00	7.00	11.00	100.00	20.00	.1210	.1210
M12X1.5	9.00	7.00	10.50	100.00	20.00	.1215	.1215
M14X1.5	11.00	9.00	12.50	100.00	20.00	.1415	.1415
M16X1.5	12.00	9.00	14.50	100.00	22.00	.1615	.1615
M20X1.5	16.00	12.00	18.50	125.00	25.00	.2015	.2015

HSS-E Machinetap voor gasdraad, Doorlopend

Artikelnummer 5731



Machinetap voor gasdraad / DIN 5156 / DIN 2184-1 / HSS-E / stoomontlaten Type: N / Vorm: B / Doorlopend gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal

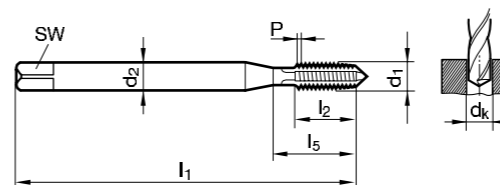
HSS-E Machinetap voor gasdraad, Blind

Artikelnummer 5732



Machinetap voor gasdraad / DIN 5156 / DIN 2184-1 / HSS-E / stoomontlaten Type: NR40 / Vorm: C / Blind gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal



Artikelnummer 5731 5732

d1	P	d2	SW	dk	l1	l2	code	code
mm	mm	mm	mm	mm	mm	mm		
G 1/8	28.00	7.00	5.50	8.80	90.00	18.00	.0973	.0973
G 1/4	19.00	11.00	9.00	11.80	100.00	20.00	.1316	.1316
G 3/8	19.00	12.00	9.00	15.25	100.00	22.00	.1666	.1666
G 1/2	14.00	16.00	12.00	19.00	125.00	25.00	.2096	.2096
G 3/4	14.00	20.00	16.00	24.50	140.00	28.00	.2644	.2644
G 1	11.00	25.00	20.00	30.75	160.00	30.00	.3325	.3325



HSS-E Machinetap voor UNC-draad, Doorlopend

Artikelnummer 5725



Machinetap voor UNC-draad / 2B / DIN 371-376 / DIN 2184-1 / HSS-E stoomontlaten / Type: N / Vorm: B / Doorlopend gat / Snijrichting: rechts

P	Staal	●
M	RVS	●
K	Gietijzer	●
N	Aluminium	●
S	Titanium	●
H	Gehard staal	●

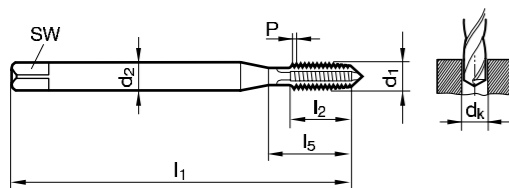
HSS-E Machinetap voor UNC-draad, Blind

Artikelnummer 5726



Machinetap voor UNC-draad / 2B / DIN 371-376 / DIN 2184-1 / HSS-E / stoomontlaten Type: N R40 / Vorm: C / Blind gat / Snijrichting: rechts

P	Staal	○
M	RVS	○
K	Gietijzer	○
N	Aluminium	○
S	Titanium	○
H	Gehard staal	○



Artikelnummer 5725 5726

d1-P	d2	SW	dk	l1	l2	code	code
mm	mm	mm	mm	mm	mm		
NR 4-40	3.50	2.70	2.35	56.00	11.00	.0285	.0285
NR 6-32	4.00	3.00	2.85	5.600	12.00	.0351	.0351
NR 8-32	4.50	3.40	3.50	63.00	12.00	.0417	.0417
NR 10-24	6.00	4.90	3.90	70.00	14.00	.0483	.0483
1/4-20	7.00	5.50	5.10	80.00	16.00	.0635	.0635
5/16-18	8.00	6.20	6.60	90.00	18.00	.0794	.0794
3/8-16	10.00	8.00	8.00	100.00	20.00	.0953	.0953
7/16-14	8.00	6.20	9.40	100.00	22.00	.1111	.1111
1/2-13	9.00	7.00	10.80	110.00	25.00	.1270	.1270
5/8-11	12.00	9.00	13.50	110.00	30.00	.1588	.1588
3/4-10	14.00	11.00	16.50	125.00	33.00	.1905	.1905

HSS-E Machinetap voor UNF-draad, Doorlopend

Artikelnummer 5727



Machinetap voor UNF-draad / 2B / DIN 374 / DIN 2184-1 / HSS-E stoomontlaten / Type: N / Vorm: B / Doorlopend gat / Snijrichting: rechts

P	Staal	○
M	RVS	●
K	Gietijzer	●
N	Aluminium	●
S	Titanium	●
H	Gehard staal	●

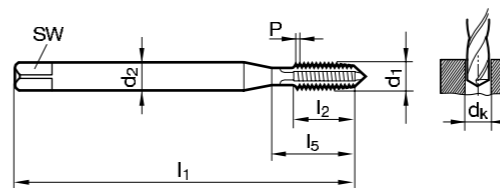
HSS-E Machinetap voor UNF-draad, Blind

Artikelnummer 5728



Machinetap voor UNF-draad / 2B / DIN 374 / DIN 2184-1 / HSS-E stoomontlaten / Type: N R40 / Vorm: C / Blind gat / Snijrichting: rechts

P	Staal	○
M	RVS	○
K	Gietijzer	○
N	Aluminium	○
S	Titanium	○
H	Gehard staal	○



Artikelnummer 5727 5728

d1-P	d2	SW	dk	l1	l2	code	code
mm	mm	mm	mm	mm	mm		
NR 4-48	2.20	2.40	2.40	56.00	10.00	.0285	.0285
NR 6-40	2.50	2.10	2.95	56.00	11.00	.0351	.0351
NR 10-32	3.50	2.70	4.10	63.00	14.00	.0417	.0417
1/4 - 28	4.50	3.40	5.50	80.00	16.00	.0635	.0635
3/8 - 24	7.00	5.50	8.50	90.00	18.00	.0953	.0953
5/8 - 18	12.00	9.00	14.50	110.00	22.00	.1588	.1588

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

Ruimen

Verzinken



HSS-E Machinetap metrisch RVS, Doorlopend

Artikelnummer 4218

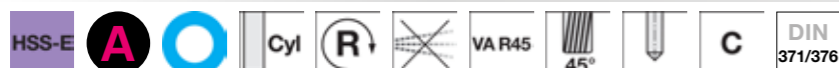


Machinetap voor metrische ISO-draad / 6HX / 3xD / DIN 371-376 / DIN 2184-1 HSS-E / Sirius / Type: VA / Vorm: B / Doorlopend gat / Snijrichting: rechts

P	Staal	●
M	RVS	●
K	Gietijzer	○
N	Aluminium	○
S	Titanium	○
H	Gehard staal	

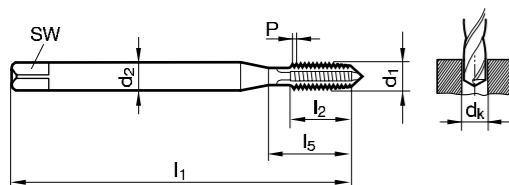
HSS-E Machinetap metrisch RVS, Blind

Artikelnummer 393



Machinetap voor metrische ISO-draad / 6HX / 3xD / DIN 371-376 / DIN 2184-1 HSS-E / TiAlN / Type: VA R45 / Vorm: C / Blind gat / Snijrichting: rechts

P	Staal	●
M	RVS	●
K	Gietijzer	○
N	Aluminium	○
S	Titanium	○
H	Gehard staal	



Artikelnummer 4218 393

d1	P	d2	SW	dk	l1	l2	Artikelnummer	
							code	code
M2	0.40	2.80	2.10	1.60	45.00	8.00	.0200	.0200
M3	0.50	3.50	2.70	2.50	56.00	10.00	.0300	.0300
M4	0.70	4.50	3.40	3.30	63.00	12.00	.0400	.0400
M5	0.80	6.00	4.90	4.20	70.00	14.00	.0500	.0500
M6	1.00	6.00	4.90	5.00	80.00	16.00	.0600	.0600
M7	1.25	7.00	5.50	6.00	80.00	16.00	.0700	.0700
M8	1.25	8.00	6.20	6.80	90.00	17.00	.0800	.0800
M9	1.25	9.00	7.00	7.80	90.00	17.00	.0900	.0900
M10	1.50	10.00	8.00	8.50	100.00	20.00	.1000	.1000
M11	1.50	8.00	6.20	9.50	100.00	20.00	.1100	.1100
M12	1.75	9.00	7.00	10.20	110.00	24.00	.1200	.1200
M14	2.00	11.00	9.00	12.00	110.00	26.00	.1400	.1400
M16	2.00	12.00	9.00	14.00	110.00	26.00	.1600	.1600
M18	2.50	14.00	11.00	15.50	125.00	30.00	.1800	.1800
M20	2.50	16.00	12.00	17.50	140.00	32.00	.2000	.2000
M22	2.50	18.00	14.50	19.50	140.00	32.00	.2200	.2200
M24	3.00	18.00	14.50	21.00	160.00	36.00	.2400	.2400
M27	3.00	20.00	16.00	24.00	160.00	36.00	.2700	.2700
M30	3.50	22.00	18.00	26.50	180.00	40.00	.3000	.3000
M33	3.50	25.00	20.00	29.50	180.00	40.00	.3300	.3300
M36	4.00	28.00	22.00	32.00	200.00	50.00	.3600	.3600
M39	4.00	32.00	24.00	35.00	200.00	50.00	.3900	.3900
M42	4.50	32.00	24.00	37.50	200.00	50.00	.4200	.4200

HSS-E Machinetap metrisch Aluminium, Doorlopend

Artikelnummer 5557



Machinetap voor metrische ISO-draad / ISO2/6H / 3xD / DIN 371-376 DIN 2184-1 HSS-E / blank / Type: Al / Vorm: B / Doorlopend gat / Snijrichting: rechts

P	Staal	
M	RVS	
K	Gietijzer	
N	Aluminium	●
S	Titanium	
H	Gehard staal	

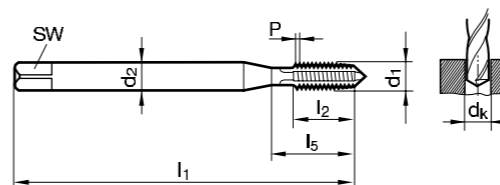
HSS-E Machinetap metrisch Aluminium, Blind

Artikelnummer 5551



Machinetap voor metrische ISO-draad / ISO2/6H / 3xD / DIN 371-376 DIN 2184-1 HSS-E / blank / Type: Al R45 / Vorm: C / Blind gat / Snijrichting: rechts

P	Staal	
M	RVS	
K	Gietijzer	
N	Aluminium	●
S	Titanium	
H	Gehard staal	



Artikelnummer 5557 5551

d1	P	d2	SW	dk	l1	l2	Artikelnummer	
							code	code
M3	0.50	3.50	2.70	2.50	56.00	10.00	.0300	.0300
M4	0.70	4.50	3.40	3.30	63.00	12.00	.0400	.0400
M5	0.80	6.00	4.90	4.20	70.00	14.00	.0500	.0500
M6	1.00	6.00	4.90	5.00	80.00	16.00	.0600	.0600
M8	1.25	8.00	6.20	6.80	90.00	17.00	.0800	.0800
M10	1.50	10.00	8.00	8.50	100.00	20.00	.1000	.1000
M12	1.75	9.00	7.00	10.20	110.00	24.00	.1200	.1200
M16	2.00	12.00	9.00	14.00	110.00	26.00	.1600	.1600
M20	2.50	16.00	12.00	17.50	140.00	32.00	.2000	.2000



HSS Snijraam voor metrische ISO-draad

Artikelnummer 152



- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal

Snijraam voor metrische ISO-draad / 6g / DIN EN 22568 / HSS / blank / ≥M 2.6 Vorm: B
Snijrichting: rechts

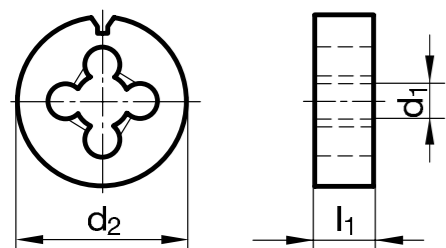
HSS-E Snijraam voor metrische ISO-draad

Artikelnummer 130



- P** Staal ●
- M** RVS ●
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal

Snijraam voor metrische ISO-draad / 6g / Fabrieksnorm / HSS-E / genitreerd
≥M 2.6 Vorm: B / Snijrichting: rechts



Artikelnummer 152 130

d1	P	l1	d2	code	
				152	130
M2	0.40	5.00	16.00	-	.0200
M3	0.50	5.00	20.00	.0300	.0300
M4	0.70	5.00	20.00	.0400	.0400
M5	0.80	7.00	20.00	.0500	.0500
M6	1.00	7.00	20.00	.0600	.0600
M8	1.25	9.00	25.00	.0800	.0800
M10	1.50	11.00	30.00	.1000	.1000
M12	1.75	14.00	38.00	.1200	.1200
M14	2.00	14.00	38.00	.1400	.1400
M16	2.00	18.00	45.00	.1600	.1600
M18	2.50	18.00	45.00	.1800	-
M20	2.50	18.00	45.00	.2000	.2000
M24	3.00	22.00	25.00	.2400	-
M30	3.50	25.00	25.00	.3000	-

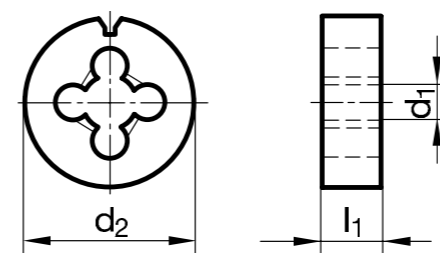
HSS Snijmoer voor metrische ISO-draad

Artikelnummer 139



- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal

Snijraam voor metrische ISO-draad / 6g / DIN 382 / HSS / blank / Snijrichting: rechts



Artikelnummer 139

d1	P	SW	l1	dk	code
M5	0.80	18.00	7.00	4.90	.0500
M6	1.00	18.00	7.00	5.88	.0600
M8	1.25	21.00	9.00	7.87	.0800
M10	1.50	27.00	11.00	9.85	.1000
M12	1.75	36.00	14.00	11.83	.1200
M16	2.00	41.00	18.00	15.82	.1600
M20	2.50	41.00	18.00	19.79	.2000
M24	3.00	50.00	22.00	23.77	.2400



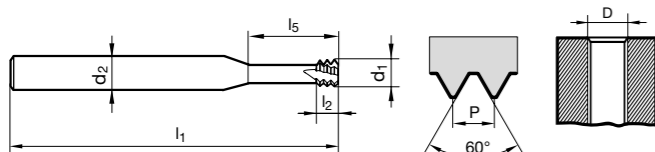
VHM Microdraadfrees voor metrische ISO-draad

Artikelnummer 4226



Microdraadfrees voor metrische ISO-draad / 3xD / Fabrieksnorm / VHM / Sirius
Type: MTM3 SP / Doorlopend, blind gat / Snijrichting: rechts / H = 55 HRC

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ●
- H** Gehard staal ○



Artikelnummer 4226

D	P	d1	d2	l1	l2	Z	code
mm	mm	mm	mm	mm	mm		
M1.6	0.35	1.20	3.00	39.00	1.10	3	.0160
M1.8	0.35	1.40	3.00	39.00	1.10	3	.0180
M2	0.40	1.55	3.00	39.00	1.20	4	.0200
M2.5	0.45	1.95	3.00	39.00	1.40	4	.0250
M3	0.50	2.40	6.00	58.00	1.50	4	.0300
M3.5	0.60	2.80	6.00	58.00	1.80	4	.0350
M4	0.70	3.20	6.00	58.00	2.10	4	.0400
M5	0.80	4.00	6.00	58.00	2.40	4	.0500
M6	1.00	4.80	6.00	58.00	3.00	4	.0600
M8	1.25	5.95	6.00	58.00	3.80	4	.0800
M10	1.50	7.80	8.00	73.00	4.50	4	.1000
M12	1.75	9.00	10.00	84.00	5.30	4	.1200
M16	2.00	11.80	12.00	84.00	6.00	5	.1600

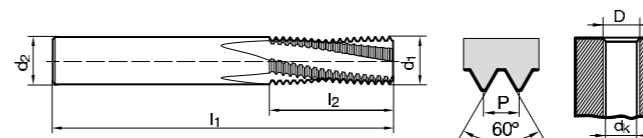
VHM Schroefdraadfrees voor metrische ISO-draad

Artikelnummer 5547



Schroefdraadfrees voor metrische ISO-draad / 2xD / Fabrieksnorm / VHM / Sirius
Type: TM SP / Doorlopend, blind gat / Snijrichting: rechts
zonder verzinkfase / <55 HRC

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ●
- H** Gehard staal ○



Artikelnummer 5547

D	P	d1	d2	l1	l2	Z	code
mm	mm	mm	mm	mm	mm		
M6	1.00	4.80	6.00	54.00	13.50	3	.0600
M8	1.25	6.40	8.00	62.00	18.10	3	.0800
M10	1.50	7.95	10.00	74.00	21.80	3	.1000
M12	1.75	9.95	10.00	74.00	25.40	4	.1200
M14	2.00	11.20	12.00	90.00	31.00	4	.1400
M16	2.00	12.80	14.00	90.00	35.00	4	.1600
M20	2.50	14.95	16.00	102.00	41.30	4	.2000

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

Ruimen

Verzinken



Draadtapset universeel, doorlopend

Artikelnummer **5695**



Draadtapset / Ø-Bereik M5-M12 / Fabrieksnorm / DIN 371/376
HSS-E / stoomontlaten / Type: N / Vorm: B / Doorlopend gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal



Artikelnummer **5695**

Bereik	Aantal	code
M5 - M12	Set	.1000

Draadtapset universeel, blind

Artikelnummer **5697**



Draadtapset / Ø-Bereik M5-M12 / Fabrieksnorm / DIN 371/376
HSS-E / stoomontlaten / Type: N / Vorm: C / Blind gat / Snijrichting: rechts

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal



Artikelnummer **5697**

Bereik	Aantal	code
M5 - M12	Set	.1000

Draadtapset universeel, doorlopend, met voorboormaten

Artikelnummer **5696**



Draadtapset in cassette / Ø-Bereik M3-M12 / Fabrieksnorm
DIN 371/376 / HSS-E / stoomontlaten / Type: N / Vorm: B
Doorlopend gat / Snijrichting: rechts / inclusief voorboormaten

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal



Artikelnummer **5696**

Bereik	Aantal	code
M3 - M12	Set	.1000

Draadtapset universeel, blind, met voorboormaten

Artikelnummer **5698**



Draadtapset in cassette / Ø-Bereik M3-M12 / Fabrieksnorm
DIN 371/376 HSS-E / stoomontlaten / Type: N / Vorm: C / Blind gat
Snijrichting: rechts inclusief voorboormaten

- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium
- S** Titanium
- H** Gehard staal



Artikelnummer **5698**

Bereik	Aantal	code
M3 - M12	Set	.1000



3451 3452 3458 3460 3428 3431 3346 3347 19995

19997 19989 19991 19993 19987 19983 19985 19979 19977



Materiaal	M42	M42	M42	M42	M42	M42	M42	M42	VHM
DIN Norm.	DIN 327	DIN 844K	DIN 327	DIN 844L	DIN 844K	DIN 844L	DIN 844K	DIN 844L	
Snijkanten	2	2	3	3	4-6	4-6	4-6	4-6	2
Coating									
Pagina	56	57	58	59	60	61	62	63	64

Materiaal	VHM	VHM	VHM	VHM	VHM	VHM	VHM	VHM	VHM
DIN Norm.									
Snijkanten	2	2	2	3	3	3	3	4	4
Coating		F	F		F	F	F	F	F
Pagina	64	65	65	66	66	67	67	68	68

Staal <600N/mm ²	●	●	●	●	●	●	●	●	
Staal <800N/mm ²	●	●	●	●	●	●	●	●	
Staal <1200N/mm ²	●	●	●	●	●	●	●	●	
Staal <1600N/mm ²	●	●	●	●	●	●	●	●	
RVS	○	○	○	○	○	○	○	○	
Gietijzer	●	●	●	●	●	●	●	●	
Aluminium	●	●	●	●	●	●	●	●	●
Titanium									
Gehard staal									

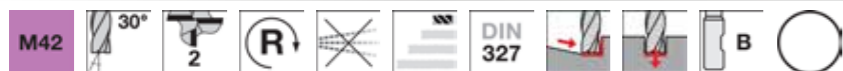
Staal <600N/mm ²		●	●		●	●	●	●	●
Staal <800N/mm ²		●	●		●	●	●	●	●
Staal <1200N/mm ²		●	●		●	●	●	●	●
Staal <1600N/mm ²		●	●		●	●	●	●	●
RVS		●	●	○	●	●	●	●	●
Gietijzer		●	●		●	●	●	●	●
Aluminium	●	○	○	●	○	○	○	○	○
Titanium		●	●	○	●	●	●	●	●
Gehard staal								○	○

● Optimaal geschikt
○ Beperkt geschikt

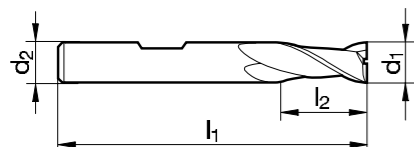


M42 schachtfrees (2 snijkanten)

Artikelnummer 3451



Langgatfrees (2 snijkanten) / e8 / DIN327 / M42 / blank / Type: N / Vorm: D
Snijrichting: rechts / centrumsnede



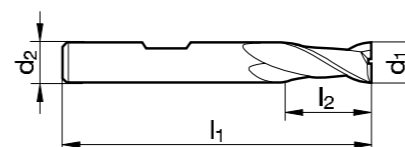
- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal

M42 schachtfrees (2 snijkanten)

Artikelnummer 3452



Langgatfrees (2 snijkanten) / e8 / DIN844K / M42 / blank / Type: N / Vorm: B
Snijrichting: rechts / centrumsnede



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal

Artikelnummer 3451

d1	d2	l1	l2	Z	code
					code
1.00	6.00	47.00	2.00	2	.0100
1.50	6.00	47.00	3.00	2	.0150
2.00	6.00	48.00	4.00	2	.0200
2.50	6.00	49.00	5.00	2	.0250
3.00	6.00	49.00	5.00	2	.0300
3.50	6.00	50.00	6.00	2	.0350
4.00	6.00	51.00	7.00	2	.0400
4.50	6.00	51.00	7.00	2	.0450
5.00	6.00	52.00	8.00	2	.0500
5.50	6.00	52.00	8.00	2	.0550
6.00	6.00	52.00	8.00	2	.0600
6.50	10.00	60.00	10.00	2	.0650
7.00	10.00	60.00	10.00	2	.0700
7.50	10.00	60.00	10.00	2	.0750
8.00	10.00	61.00	11.00	2	.0800
8.50	10.00	61.00	11.00	2	.0850
9.00	10.00	61.00	11.00	2	.0900
9.50	10.00	61.00	11.00	2	.0950
10.00	10.00	63.00	13.00	2	.1000
10.50	12.00	70.00	13.00	2	.1050
11.00	12.00	70.00	13.00	2	.1100
11.50	12.00	70.00	16.00	2	.1150
12.00	12.00	73.00	16.00	2	.1200
13.00	12.00	73.00	16.00	2	.1300
14.00	12.00	73.00	16.00	2	.1400
15.00	12.00	73.00	16.00	2	.1500
16.00	16.00	79.00	19.00	2	.1600
17.00	16.00	79.00	19.00	2	.1700
18.00	16.00	79.00	19.00	2	.1800
19.00	16.00	79.00	19.00	2	.1900
20.00	20.00	88.00	22.00	2	.2000
22.00	20.00	88.00	22.00	2	.2200
24.00	20.00	102.00	26.00	2	.2400
25.00	20.00	102.00	26.00	2	.2500

Artikelnummer 3452

d1	d2	l1	l2	Z	code
					code
3.00	6.00	52.00	8.00	2	.0300
3.50	6.00	54.00	10.00	2	.0350
4.00	6.00	55.00	11.00	2	.0400
4.50	6.00	55.00	11.00	2	.0450
5.00	6.00	57.00	13.00	2	.0500
5.50	6.00	57.00	13.00	2	.0550
6.00	6.00	57.00	13.00	2	.0600
7.00	10.00	66.00	16.00	2	.0700
8.00	10.00	69.00	19.00	2	.0800
10.00	10.00	72.00	22.00	2	.1000
11.00	12.00	79.00	22.00	2	.1100
12.00	12.00	83.00	26.00	2	.1200
13.00	12.00	83.00	26.00	2	.1300
14.00	12.00	83.00	26.00	2	.1400
15.00	12.00	83.00	26.00	2	.1500
16.00	16.00	92.00	26.00	2	.1600
18.00	16.00	92.00	32.00	2	.1800
19.00	16.00	92.00	32.00	2	.1900
20.00	20.00	104.00	38.00	2	.2000

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

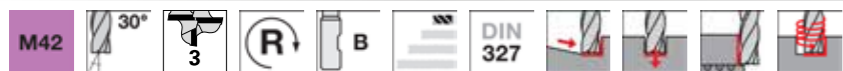
Ruimen

Verzinken



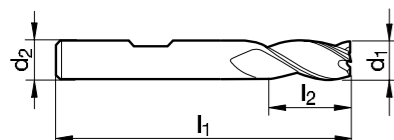
M42 schachtfrees (3 snijkanten)

Artikelnummer 3458



Langgatfrees (3 snijkanten) / e8 / DIN327 M42 / blank / Type: N / Vorm: D
Snijrichting: rechts / centrumsnede

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal

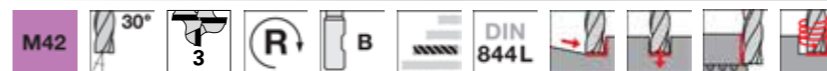


Artikelnummer 3458

d1	d2	l1	l2	Z	code
					code
3.00	6.00	49.00	5.00	3	.0300
4.00	6.00	51.00	7.00	3	.0400
5.00	6.00	52.00	8.00	3	.0500
6.00	6.00	52.00	8.00	3	.0600
7.00	10.00	60.00	10.00	3	.0700
8.00	10.00	61.00	11.00	3	.0800
10.00	10.00	63.00	13.00	3	.1000
12.00	12.00	73.00	16.00	3	.1200
14.00	12.00	73.00	16.00	3	.1400
16.00	16.00	79.00	19.00	3	.1600
18.00	16.00	79.00	19.00	3	.1800
20.00	20.00	88.00	22.00	3	.2000
22.00	20.00	88.00	22.00	3	.2200
25.00	20.00	102.00	26.00	3	.2500
30.00	20.00	102.00	26.00	3	.3000

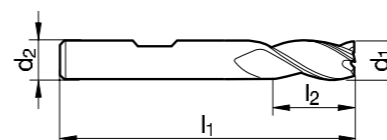
M42 schachtfrees (3 snijkanten)

Artikelnummer 3460



Langgatfrees (3 snijkanten) / e8 / DIN844K / M42 / blank / Type: N / Vorm: B
Snijrichting: rechts / centrumsnede

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal



Artikelnummer 3460

d1	d2	l1	l2	Z	code
					code
3.00	6.00	56.00	12.00	3	.0300
4.00	6.00	63.00	19.00	3	.0400
5.00	6.00	68.00	24.00	3	.0500
6.00	6.00	68.00	24.00	3	.0600
8.00	10.00	88.00	38.00	3	.0800
10.00	10.00	95.00	45.00	3	.1000
12.00	12.00	110.00	53.00	3	.1200
14.00	12.00	110.00	53.00	3	.1400
16.00	16.00	123.00	63.00	3	.1600
18.00	16.00	123.00	63.00	3	.1800
20.00	20.00	141.00	75.00	3	.2000

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

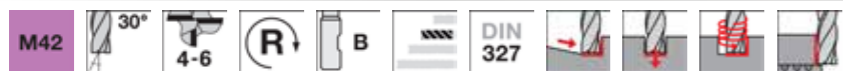
Ruimen

Verzinken



M42 schachtfrees (4 snijkanten)

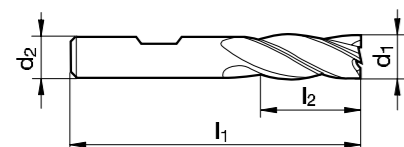
Artikelnummer 3428



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal



Schachtfrees (4 snijkanten) / js12 / DIN 844K / M42 / blank / Type: N / Vorm: B
Snijrichting: rechts / centrumsnede



Artikelnummer 3428

d1	d2	l1	l2	Z	code
mm		mm	mm		
2.00	6.00	51.00	7.00	4	.0200
2.50	6.00	52.00	8.00	4	.0250
3.00	6.00	52.00	8.00	4	.0300
3.50	6.00	54.00	10.00	4	.0350
4.00	6.00	55.00	11.00	4	.0400
4.50	6.00	55.00	11.00	4	.0450
5.00	6.00	57.00	13.00	4	.0500
5.50	6.00	57.00	13.00	4	.0550
6.00	6.00	57.00	13.00	4	.0600
6.50	10.00	66.00	16.00	4	.0650
7.00	10.00	66.00	16.00	4	.0700
7.50	10.00	66.00	16.00	4	.0750
8.00	10.00	69.00	19.00	4	.0800
8.50	10.00	69.00	19.00	4	.0850
9.00	10.00	69.00	19.00	4	.0900
9.50	10.00	69.00	19.00	4	.0950
10.00	10.00	72.00	22.00	4	.1000
11.00	12.00	79.00	22.00	4	.1100
12.00	12.00	83.00	26.00	4	.1200
13.00	12.00	83.00	26.00	4	.1300
14.00	12.00	83.00	26.00	4	.1400
15.00	12.00	83.00	26.00	4	.1500
16.00	16.00	92.00	32.00	4	.1600
18.00	16.00	92.00	32.00	4	.1800
20.00	20.00	104.00	38.00	4	.2000
22.00	20.00	104.00	38.00	6	.2200
24.00	20.00	121.00	45.00	6	.2400
25.00	20.00	121.00	45.00	6	.2500
26.00	25.00	121.00	45.00	6	.2600
28.00	25.00	121.00	45.00	6	.2800
30.00	25.00	121.00	45.00	6	.3000
32.00	32.00	133.00	53.00	6	.3200

M42 schachtfrees (4/6 snijkanten)

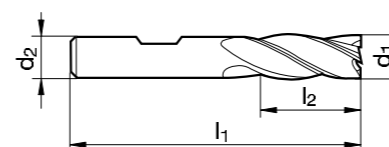
Artikelnummer 3431



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal



Schachtfrees (4/6 snijkanten) / js12 / DIN 844L / M42 / blank / Type: N
Vorm: B / Snijrichting: rechts / centrumsnede



Artikelnummer 3431

d1	d2	l1	l2	Z	code
mm		mm	mm		
3.00	6.00	56.00	12.00	4	.0300
4.00	6.00	63.00	19.00	4	.0400
5.00	6.00	68.00	24.00	4	.0500
6.00	6.00	68.00	24.00	4	.0600
7.00	10.00	80.00	30.00	4	.0700
8.00	10.00	88.00	38.00	4	.0800
9.00	10.00	88.00	38.00	4	.0900
10.00	10.00	95.00	45.00	4	.1000
11.00	12.00	102.00	45.00	4	.1100
12.00	12.00	110.00	53.00	4	.1200
14.00	12.00	110.00	53.00	4	.1400
15.00	12.00	110.00	53.00	4	.1500
16.00	16.00	123.00	63.00	4	.1600
18.00	16.00	123.00	63.00	4	.1800
20.00	20.00	141.00	75.00	4	.2000
25.00	25.00	166.00	90.00	6	.2500
30.00	25.00	166.00	90.00	6	.3000
32.00	32.00	186.00	106.00	6	.3200
40.00	40.00	217.00	125.00	6	.4000

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

Ruimen

Verzinken



M42 Ruwrees

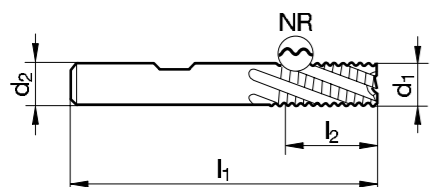
Artikelnummer 3346



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal



Ruwrees / js12 / DIN 844K / M42 / blank / Type: NR / Vorm: B
Snijrichting: rechts / centrumsnede

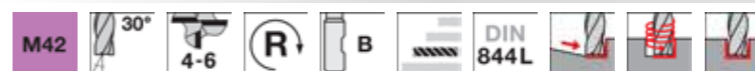


Artikelnummer 3346

d1	d2	l1	l2	Z	code
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6.00	6.00	57.00	13.00	4	.0600
7.00	10.00	66.00	16.00	4	.0700
8.00	10.00	69.00	19.00	4	.0800
9.00	10.00	69.00	19.00	4	.0900
10.00	10.00	72.00	22.00	4	.1000
11.00	12.00	79.00	22.00	4	.1100
12.00	12.00	83.00	26.00	4	.1200
14.00	12.00	83.00	26.00	4	.1400
15.00	12.00	83.00	26.00	4	.1500
16.00	16.00	92.00	32.00	4	.1600
18.00	16.00	92.00	32.00	4	.1800
20.00	20.00	104.00	38.00	4	.2000
22.00	20.00	104.00	38.00	4	.2200
24.00	20.00	121.00	45.00	4	.2400
25.00	20.00	121.00	45.00	4	.2500
26.00	25.00	121.00	45.00	4	.2600
28.00	25.00	121.00	45.00	4	.2800
30.00	25.00	121.00	45.00	4	.3000
32.00	32.00	133.00	53.00	4	.3200
36.00	32.00	133.00	53.00	6	.3600
40.00	40.00	155.00	63.00	6	.4000

M42 Ruwrees

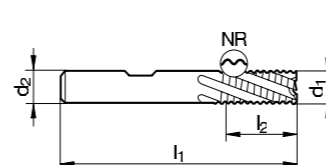
Artikelnummer 3347



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium
- H** Gehard staal



Ruwrees / js12 / DIN 844L / M42 / blank / Type: NR / Vorm: B
Snijrichting: rechts / centrumsnede



Artikelnummer 3347

d1	d2	l1	l2	Z	code
mm		mm	mm		
6.00	6.00	68.00	24.00	4	.0600
7.00	10.00	80.00	30.00	4	.0700
8.00	10.00	88.00	38.00	4	.0800
9.00	10.00	88.00	38.00	4	.0900
10.00	10.00	95.00	45.00	4	.1000
12.00	12.00	110.00	53.00	4	.1200
14.00	12.00	110.00	53.00	4	.1400
16.00	16.00	123.00	63.00	4	.1600
18.00	16.00	123.00	63.00	4	.1800
20.00	20.00	141.00	75.00	4	.2000
22.00	20.00	141.00	75.00	4	.2200
25.00	20.00	166.00	90.00	4	.2500
28.00	25.00	166.00	90.00	4	.2800
32.00	32.00	186.00	106.00	4	.3200
36.00	32.00	186.00	106.00	6	.3600

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

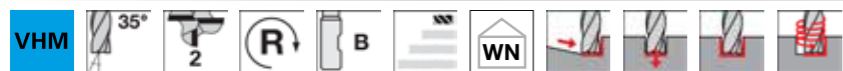
Ruimen

Verzinken

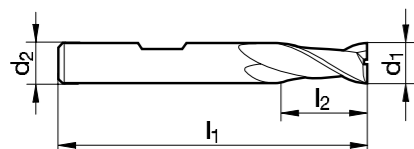


VHM Aluminium langgatfrees (2 snijkanten)

Artikelnummer 19995



Aluminium langgatfrees (2 snijkanten) / e8 / Fabrieksnorm / VHM / blank / Type: W
Snijrichting: rechts / centrumsnede



- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium ●
- S** Titanium
- H** Gehard staal

Artikelnummer 19995

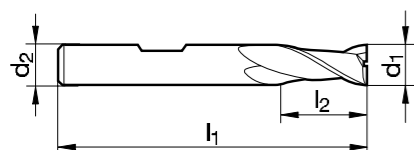
d1 e8	d2 h6	I1	I2	I3	Z	code
mm	mm	mm	mm	mm		
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5.00	6.00	50.00	6.00	12.90	2	.0500
6.00	6.00	50.00	7.00	14.00	2	.0600
8.00	8.00	58.00	9.00	22.00	2	.0800
10.00	10.00	66.00	11.00	26.00	2	.1000
12.00	12.00	73.00	12.00	28.00	2	.1200
14.00	14.00	75.00	14.00	30.00	2	.1400
16.00	16.00	82.00	16.00	34.00	2	.1600
18.00	18.00	84.00	18.00	36.00	2	.1800
20.00	20.00	92.00	20.00	42.00	2	.2000

VHM Aluminium langgatfrees XL (2 snijkanten)

Artikelnummer 19997



Aluminium langgatfrees XL (2 snijkanten) / e8 / Fabrieksnorm / VHM / blank / Type: W
W Snijrichting: rechts / centrumsnede



- P** Staal
- M** RVS
- K** Gietijzer
- N** Aluminium ●
- S** Titanium
- H** Gehard staal

Artikelnummer 19997

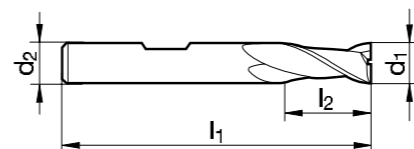
d1 e8	d2 h6	I1	I2	I3	Z	code
mm	mm	mm	mm	mm		
4.00	6.00	57.00	11.00	16.40	2	.0400
5.00	6.00	57.00	13.00	19.90	2	.0500
6.00	6.00	57.00	13.00	21.00	2	.0600
8.00	8.00	63.00	19.00	28.00	2	.0800
10.00	10.00	72.00	22.00	33.00	2	.1000
12.00	12.00	83.00	26.00	40.00	2	.1200
14.00	14.00	83.00	26.00	41.00	2	.1400
16.00	16.00	92.00	32.00	49.00	2	.1600
18.00	18.00	92.00	32.00	50.00	2	.1800
20.00	20.00	104.00	38.00	58.00	2	.2000

VHM langgatfrees (2 snijkanten)

Artikelnummer 19989



Langgatfrees (2 snijkanten) / e8 / Fabrieksnorm / VHM / Fire / Type: N
Snijrichting: rechts / centrumsnede



- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ●
- H** Gehard staal

Artikelnummer 19989

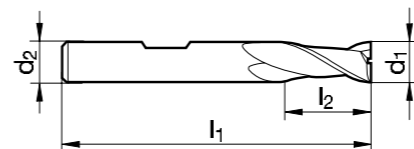
d1	d2	I1	I2	I3	Z	code
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5.00	6.00	50.00	13.00	19.90	2	.0500
6.00	6.00	50.00	13.00	20.00	2	.0600
7.00	8.00	60.00	16.00	23.00	2	.0700
8.00	8.00	60.00	19.00	27.00	2	.0800
9.00	10.00	70.00	19.00	29.00	2	.0900
10.00	10.00	70.00	22.00	30.00	2	.1000
11.00	12.00	75.00	22.00	29.00	2	.1100
12.00	12.00	75.00	26.00	39.00	2	.1200
14.00	14.00	75.00	26.00	40.00	2	.1400
16.00	16.00	75.00	26.00	43.00	2	.1600
18.00	18.00	100.00	32.00	52.00	2	.1800
20.00	20.00	100.00	32.00	50.00	2	.2000

VHM langgatfrees XL (2 snijkanten)

Artikelnummer 19991



Langgatfrees XL (2 snijkanten) / e8 / Fabrieksnorm / VHM / Fire / Type: N
Snijrichting: rechts / centrumsnede



- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ●
- H** Gehard staal

Artikelnummer 19991

d1	d2	I1	I2	I3	Z	code
mm	mm	mm	mm	mm		
6.00	6.00	75.00	30.00	39.00	2	.0600
8.00	8.00	75.00	30.00	39.00	2	.0800
10.00	10.00	100.00	40.00	60.00	2	.1000
12.00	12.00	100.00	45.00	55.00	2	.1200
14.00	14.00	100.00	45.00	55.00	2	.1400
16.00	16.00	100.00	45.00	62.00	2	.1600
18.00	18.00	100.00	45.00	63.00	2	.1800
20.00	20.00	100.00	45.00	62.00	2	.2000

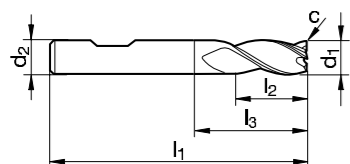


VHM Spiebaanfrees (3 snijkanten)

Artikelnummer 19993



Spiebaanfrees (3 snijkanten) / e8 / Fabrieksnorm / VHM / blank / Type: W
Snijrichting: rechts / centrumsnede



- P** Staal
- M** RVS ○
- K** Gietijzer
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal

Artikelnummer 19993

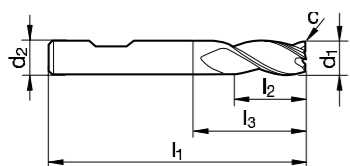
d1	d2	l1	l2	l3	Z	code
mm	mm	mm	mm	mm		
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4.00	6.00	57.00	11.00	14.90	3	.0400
5.00	6.00	57.00	13.00	18.40	3	.0500
6.00	6.00	57.00	13.00	21.00	3	.0600
8.00	8.00	63.00	19.00	27.00	3	.0800
10.00	10.00	72.00	22.00	32.00	3	.1000
12.00	12.00	83.00	26.00	38.00	3	.1200
14.00	14.00	83.00	26.00	38.00	3	.1400
16.00	16.00	92.00	32.00	44.00	3	.1600
20.00	20.00	104.00	38.00	54.00	3	.2000

VHM Spiebaanfrees (3 snijkanten)

Artikelnummer 19987



Spiebaanfrees (3 snijkanten) / e8 / Fabrieksnorm / VHM / FIRE / Type: NH
Snijrichting: rechts / centrumsnede



- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ●
- H** Gehard staal

Artikelnummer 19987

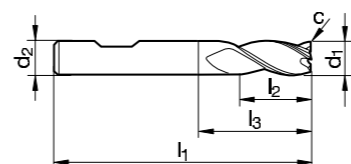
d1	d2	l1	l2	l3	Z	code
mm	mm	mm	mm	mm		
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4.00	6.00	57.00	11.00	14.90	3	.0500
5.00	6.00	57.00	13.00	18.40	3	.0600
6.00	6.00	57.00	13.00	21.00	3	.0800
8.00	8.00	63.00	19.00	27.00	3	.1000
10.00	10.00	72.00	22.00	32.00	3	.1200
12.00	12.00	83.00	26.00	38.00	3	.1400
14.00	14.00	83.00	26.00	38.00	3	.1600
16.00	16.00	92.00	32.00	44.00	3	.1800
20.00	20.00	104.00	38.00	54.00	3	.2000

VHM Spiebaanfrees (3 snijkanten)

Artikelnummer 19983



Spiebaanfrees (3 snijkanten) / e8 / Fabrieksnorm / VHM / FIRE / Type: N
Snijrichting: rechts / centrumsnede



- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ●
- H** Gehard staal

Artikelnummer 19983

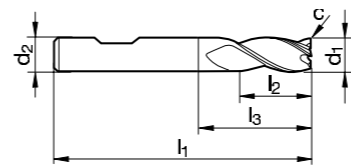
d1	d2	l1	l2	l3	Z	code
mm	mm	mm	mm	mm		
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4.00	6.00	57.00	11.00	14.90	3	.0400
5.00	6.00	57.00	13.00	18.40	3	.0500
6.00	6.00	57.00	13.00	21.00	3	.0600
8.00	8.00	63.00	19.00	27.00	3	.0800
10.00	10.00	72.00	22.00	32.00	3	.1000
12.00	12.00	83.00	26.00	38.00	3	.1200
14.00	14.00	83.00	26.00	38.00	3	.1400
16.00	16.00	92.00	32.00	44.00	3	.1600
20.00	20.00	104.00	38.00	54.00	3	.2000

VHM Spiebaanfrees XL (3 snijkanten)

Artikelnummer 19985



Spiebaanfrees XL (3 snijkanten) / e8 / Fabrieksnorm / VHM / FIRE / Type: N
Snijrichting: rechts / centrumsnede



- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ●
- H** Gehard staal

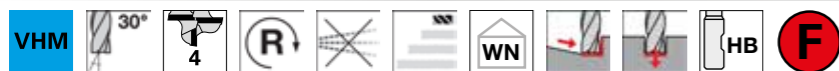
Artikelnummer 19985

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4.00	6.00	63.00	19.00	24.40	3	.0400
5.00	6.00	68.00	24.00	30.90	3	.0500
6.00	6.00	72.00	24.00	36.00	3	.0600
8.00	8.00	88.00	38.00	52.00	3	.0800
10.00	10.00	95.00	45.00	55.00	3	.1000
12.00	12.00	110.00	53.00	65.00	3	.1200
14.00	14.00	110.00	53.00	65.00	3	.1400
16.00	16.00	125.00	63.00	80.00	3	.1600
20.00	20.00	141.00	75.00	95.00	3	.2000



VHM Schachtfrees (4 snijkanten)

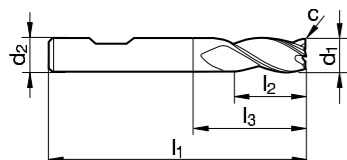
Artikelnummer 19979



- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ●
- H** Gehard staal ○



Schachtfrees (4 snijkanten) / e8 / Fabrieksnorm / VHM / FIRE / Type: N
Snijrichting: rechts / centrumsnede



Artikelnummer 19979

d1	d2	l1	l2	l3	Z	code
mm	mm	mm	mm	mm		
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7.00	7.00	60.00	16.00	23.00	4	.0700
8.00	8.00	68.00	22.00	32.00	4	.0800
9.00	9.00	72.00	22.00	31.40	4	.0900
10.00	10.00	72.00	25.00	32.00	4	.1000
11.00	11.00	83.00	26.00	37.00	4	.1100
12.00	12.00	83.00	28.00	38.00	4	.1200
14.00	14.00	83.00	28.00	38.00	4	.1400
16.00	16.00	92.00	35.00	44.00	4	.1600
18.00	18.00	92.00	35.00	44.00	4	.1800
20.00	20.00	104.00	40.00	54.00	4	.2000

VHM Schachtfrees XL (4 snijkanten)

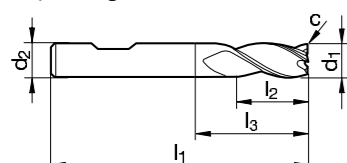
Artikelnummer 19977



- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ●
- H** Gehard staal ○



Schachtfrees XL (4 snijkanten) / e8 / Fabrieksnorm / VHM / FIRE / Type: N
Snijrichting: rechts / centrumsnede



Artikelnummer 19977

d1	d2	l1	l2	l3	Z	code
mm	mm	mm	mm	mm		
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4.00	6.00	63.00	19.00	23.90	4	.0400
5.00	6.00	68.00	24.00	29.90	4	.0500
6.00	6.00	68.00	24.00	32.00	4	.0600
8.00	8.00	88.00	38.00	52.00	4	.0800
10.00	10.00	95.00	45.00	55.00	4	.1000
12.00	12.00	110.00	53.00	65.00	4	.1200
14.00	14.00	110.00	53.00	65.00	4	.1400
16.00	16.00	125.00	63.00	77.00	4	.1600
18.00	18.00	125.00	63.00	77.00	4	.1800
20.00	20.00	141.00	75.00	91.00	4	.2000

468	405	496							
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HSS-E	HSS-E	HSS-E							
DIN 212-3	DIN 208	DIN 212-1							
	MK	Cyl							
70	71	72							

●	●	●							
●	●	●							
●	●	●							
●	●	●							
○	○	○							
●	●	●							
●	●	●							
●	●	●							
○	○	○							

Materiaal
DIN Norm.
Opname
Pagina

- Staal <600N/mm²
- Staal <800N/mm²
- Staal <1200N/mm²
- Staal <1600N/mm²
- RVS
- Gietijzer
- Aluminium
- Titanium
- Gehard staal

- Optimaal geschikt
- Beperkt geschikt



HSS-E Machineruimer

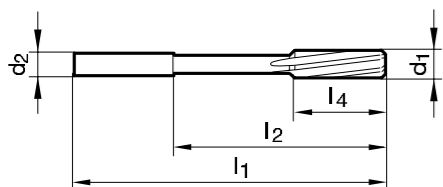
Artikelnummer 468



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ●
- H** Gehard staal



Machineruimers / Tolerantie: H7 / DIN 212-2 / HSS-E / blank / Vorm: B
Snijrichting: rechts

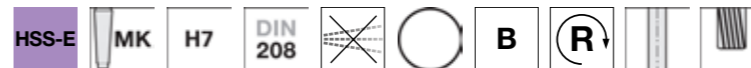


Artikelnummer 468

d1 e8	d2 h9	l1	l2	l4	Z	code
						code
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5.00	5.00	86.00	58.00	23.00	6	.0500
5.50	5.60	93.00	57.00	26.00	6	.0550
6.00	5.60	93.00	57.00	26.00	6	.0600
6.50	6.30	101.00	65.00	28.00	6	.0650
7.00	7.10	109.00	73.00	31.00	6	.0700
7.50	7.10	109.00	73.00	31.00	6	.0750
8.00	8.00	117.00	81.00	33.00	6	.0800
8.50	8.00	117.00	81.00	33.00	6	.0850
9.00	9.00	125.00	85.00	36.00	6	.0900
9.50	9.00	125.00	85.00	36.00	6	.0950
10.00	10.00	133.00	93.00	38.00	6	.1000
11.00	10.00	142.00	102.00	41.00	6	.1100
12.00	10.00	151.00	111.00	41.00	6	.1200
13.00	10.00	151.00	111.00	44.00	6	.1300
14.00	12.50	160.00	115.00	47.00	8	.1400
15.00	12.50	162.00	117.00	50.00	8	.1500
16.00	12.50	170.00	125.00	52.00	8	.1600
17.00	14.00	175.00	130.00	54.00	8	.1700
18.00	14.00	182.00	137.00	56.00	8	.1800
19.00	16.00	189.00	141.00	58.00	8	.1900
20.00	16.00	195.00	147.00	60.00	8	.2000

HSS-E Machineruimer (MK opname)

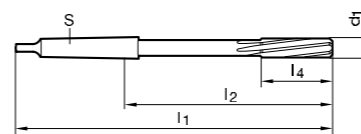
Artikelnummer 405



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ●
- H** Gehard staal



Machineruimers / Tolerantie: H7 / DIN 212-2 / HSS-E / blank / Vorm: B
Snijrichting: rechts



Artikelnummer 405

d1 e8	S	l1	l2	l4	Z	code
						code
3.00	1	115.00	49.50	15.00	6	.0300
4.00	1	125.00	59.50	19.00	6	.0400
5.00	1	133.00	67.50	23.00	6	.0500
6.00	1	138.00	72.50	26.00	6	.0600
7.00	1	150.00	84.50	31.00	6	.0700
8.00	1	156.00	90.50	33.00	6	.0800
9.00	1	162.00	96.50	36.00	6	.0900
10.00	1	168.00	102.50	38.00	6	.1000
11.00	1	175.00	109.50	41.00	6	.1100
12.00	1	182.00	116.50	44.00	6	.1200
13.00	1	182.00	116.50	44.00	6	.1300
14.00	1	189.00	123.50	47.00	8	.1400
15.00	2	204.00	124.00	50.00	8	.1500
16.00	2	210.00	130.00	52.00	8	.1600
17.00	2	214.00	134.00	54.00	8	.1700
18.00	2	219.00	139.00	56.00	8	.1800
19.00	2	223.00	143.00	58.00	8	.1900
20.00	2	228.00	148.00	60.00	8	.2000
21.00	2	232.00	152.00	62.00	8	.2100
22.00	2	237.00	157.00	64.00	8	.2200
23.00	2	241.00	161.00	66.00	8	.2300
24.00	3	268.00	169.00	68.00	8	.2400
25.00	3	268.00	168.00	68.00	8	.2500
26.00	3	273.00	174.00	70.00	8	.2600
27.00	3	277.00	178.00	71.00	10	.2700
28.00	3	277.00	178.00	71.00	10	.2800
29.00	3	281.00	182.00	73.00	10	.2900
30.00	3	281.00	182.00	73.00	10	.3000
31.00	3	285.00	186.00	75.00	10	.3100
32.00	4	317.00	193.00	77.00	10	.3200
33.00	4	317.00	193.00	77.00	10	.3300
34.00	4	321.00	197.00	78.00	10	.3400
35.00	4	321.00	197.00	78.00	10	.3500
36.00	4	325.00	201.00	79.00	10	.3600
37.00	4	325.00	201.00	79.00	10	.3700
38.00	4	329.00	205.00	81.00	10	.3800
40.00	4	329.00	205.00	81.00	10	.4000
42.00	4	333.00	209.00	82.00	12	.4200
44.00	4	336.00	212.00	83.00	12	.4400
45.00	4	336.00	212.00	83.00	12	.4500
46.00	4	340.00	216.00	84.00	12	.4600
47.00	4	340.00	216.00	84.00	12	.4700
48.00	4	344.00	220.00	86.00	12	.4800
50.00	4	344.00	220.00	86.00	12	.5000



HSS-E Precisie Machineruimer

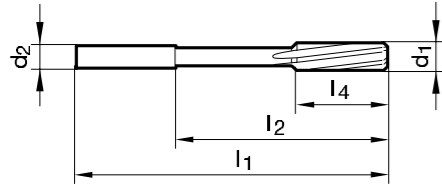
Artikelnummer 496



- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ●
- H** Gehard staal ●



Machineruimers / Tolerantie: +0,004/+0,005 / DIN 212-1 / HSS-E / blank / Vorm: B
Snijrichting: rechts **(tussenliggende maten op aanvraag)**



Artikelnummer 496

d1	d2 h9	l1	l2	l4	code
mm	mm	mm	mm	mm	
0.950 - 1.060	1.00	34.00	15.00	5.50	.0095 - .0106
1.070 - 1.180	1.10	36.00	15.50	6.50	.0107 - .0118
1.190 - 1.320	1.20	38.00	16.50	7.50	.0119 - .0132
1.330 - 1.410	1.40	40.00	18.00	8.00	.0133 - .0141
1.420 - 1.500	1.50	40.00	18.00	8.00	.0142 - .0150
1.510 - 1.700	1.60	43.00	20.00	9.00	.0151 - .0170
1.710 - 1.900	1.80	46.00	22.00	10.00	.0171 - .0190
1.910 - 1.990	2.00	49.00	24.00	11.00	.0191 - .0199
2.000 - 2.090	2.00	49.00	24.00	11.00	.0200 - .0209
2.100 - 2.120	2.00	49.00	24.00	11.00	.0210 - .0212
2.130 - 2.360	2.20	53.00	25.00	12.00	.0213 - .0236
2.370 - 2.490	2.50	57.00	29.00	14.00	.0237 - .0249
2.500 - 2.590	2.50	57.00	29.00	14.00	.0250 - .0259
2.600 - 2.650	2.80	57.00	29.00	14.00	.0260 - .0265
2.660 - 2.800	2.80	61.00	33.00	15.00	.0266 - .0280
2.810 - 3.000	3.00	61.00	33.00	15.00	.0281 - .0300
3.010 - 3.350	3.20	65.00	37.00	16.00	.0301 - .0335
3.360 - 3.750	3.50	70.00	42.00	18.00	.0336 - .0375
3.760 - 4.250	4.00	75.00	47.00	19.00	.0376 - .0425
4.260 - 4.750	4.50	80.00	52.00	21.00	.0426 - .0475
4.760 - 5.300	5.00	86.00	58.00	23.00	.0476 - .0530
5.310 - 6.000	5.60	93.00	57.00	26.00	.0531 - .0600
6.010 - 6.700	6.30	101.00	65.00	28.00	.0601 - .0670
6.710 - 7.500	7.10	109.00	73.00	31.00	.0671 - .0750
7.510 - 8.500	8.00	117.00	81.00	33.00	.0751 - .0850
8.510 - 9.500	9.00	125.00	85.00	36.00	.0851 - .0950
9.510 - 10.600	10.00	133.00	93.00	38.00	.0951 - .1060
10.610 - 11.800	10.00	142.00	102.00	41.00	.1061 - .1180
11.810 - 12.050	10.00	151.00	111.00	44.00	.1181 - .1205

476	327	5500	5501	Diverse			
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Materiaal	HSS	HSS	HSCO	HSCO			
DIN Norm.	DIN 335	DIN 335	DIN 335	DIN 335			
Tophoek	90°	90°	90°	90°			
Coating		S	A	A			
Pagina	74	75	76	77	78 - 79		

- Staal <600N/mm²
- Staal <800N/mm²
- Staal <1200N/mm²
- Staal <1600N/mm²
- RVS
- Gietijzer
- Aluminium
- Titanium
- Gehard staal

- Optimaal geschikt
- Beperkt geschikt



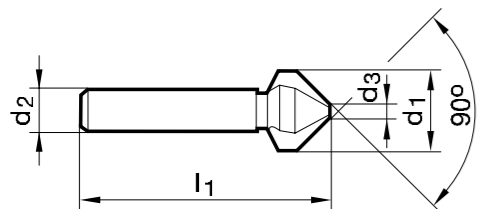
HSS Verzinkboor 90

Artikelnummer 476



Verzinkboor 90° / DIN 335 / HSS / Blank / Vorm: C
Snijrichting: rechts

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ●
- S** Titanium ○
- H** Gehard staal



Artikelnummer 476

d1	d2	d3	l1	Z	code
mm	mm	mm	mm		
5.00	4.00	1.50	40.00	3	.0500
6.30	5.00	1.50	45.00	3	.0630
8.00	6.00	2.00	50.00	3	.0800
8.30	6.00	2.00	50.00	3	.0830
9.40	6.00	2.20	50.00	3	.0940
10.00	6.00	2.50	50.00	3	.1000
10.40	6.00	2.50	50.00	3	.1040
11.50	8.00	2.80	56.00	3	.1150
12.40	8.00	2.80	56.00	3	.1240
13.40	8.00	2.90	56.00	3	.1340
15.00	10.00	3.20	63.00	3	.1500
16.50	10.00	3.20	63.00	3	.1650
20.50	10.00	3.50	63.00	3	.2050
25.00	10.00	3.80	67.00	3	.2500
30.00	12.00	4.20	71.00	3	.3000
31.00	12.00	4.20	71.00	3	.3100

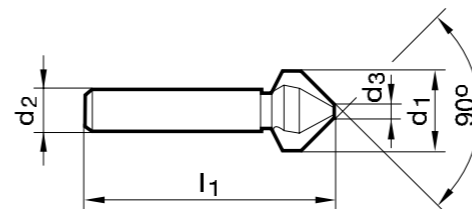
HSS Verzinkboor 90, TiN gecoat

Artikelnummer 327



Verzinkboor 90° / DIN 335 / HSS / TiN / Vorm: C
Snijrichting: rechts

- P** Staal ●
- M** RVS ○
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ○
- H** Gehard staal



Artikelnummer 327

d1	d2	d3	l1	Z	code
mm	mm	mm	mm		
5.00	4.00	1.50	40.00	3	.0500
6.30	5.00	1.50	45.00	3	.0630
8.00	6.00	2.00	50.00	3	.0800
8.30	6.00	2.00	50.00	3	.0830
9.40	6.00	2.20	50.00	3	.0940
10.00	6.00	2.50	50.00	3	.1000
10.40	6.00	2.50	50.00	3	.1040
11.50	8.00	2.80	56.00	3	.1150
12.40	8.00	2.80	56.00	3	.1240
13.40	8.00	2.90	56.00	3	.1340
15.00	10.00	3.20	63.00	3	.1500
16.50	10.00	3.20	63.00	3	.1650
20.50	10.00	3.50	63.00	3	.2050
25.00	10.00	3.80	67.00	3	.2500
30.00	12.00	4.20	71.00	3	.3000
31.00	12.00	4.20	71.00	3	.3100

Boren

Draadsnijden

Frezen

Ruimen

Verzinken

Boren

Draadsnijden

Frezen

Ruimen

Verzinken



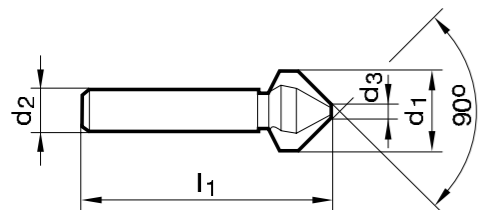
HSCO SpyroTec Verzinker 90°

Artikelnummer 5500



Spyrotec Verzinker 90° / DIN 335 / HSCO / TiAlN / Vorm: C / Snijrichting: rechts
3 ongelijke, convexe snijkanten / duidelijk verminderde voedingskracht nodig

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ●
- H** Gehard staal



Artikelnummer 5500

d1	d2	d3	l1	Z	code
mm	mm	mm	mm		
6.30	5.00	1.50	45.00	3	.0630
8.00	6.00	2.00	50.00	3	.0800
8.30	6.00	2.00	50.00	3	.0830
10.00	6.00	2.50	50.00	3	.1000
10.40	6.00	2.50	50.00	3	.1040
11.50	8.00	2.80	56.00	3	.1150
12.40	10.00	2.80	56.00	3	.1240
13.40	10.00	3.20	60.00	3	.1340
15.00	10.00	3.20	60.00	3	.1500
16.50	10.00	3.50	60.00	3	.1650
19.00	10.00	3.50	63.00	3	.1900
20.50	10.00	3.80	63.00	3	.2050
23.00	10.00	3.80	67.00	3	.2300
25.00	10.00	3.80	67.00	3	.2500
31.00	12.00	4.20	71.00	3	.3100
40.00	12.00	10.00	75.00	3	.4000

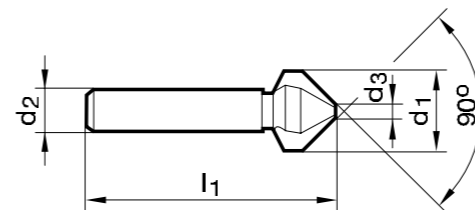
HSCO SpyroTec Verzinker 90° (3-vlaks schacht)

Artikelnummer 5501



Spyrotec Verzinker 90° / DIN 335 / HSCO / TiAlN / Vorm: C / Snijrichting: rechts
3 ongelijke, convexe snijkanten / duidelijk verminderde voedingskracht nodig

- P** Staal ●
- M** RVS ●
- K** Gietijzer ●
- N** Aluminium ○
- S** Titanium ●
- H** Gehard staal



Artikelnummer 5501

d1	d2	d3	l1	Z	code
mm	mm	mm	mm		
6.30	5.00	1.50	45.00	3	.0630
8.00	6.00	2.00	50.00	3	.0800
8.30	6.00	2.00	50.00	3	.0830
10.00	6.00	2.50	50.00	3	.1000
10.40	6.00	2.50	50.00	3	.1040
11.50	8.00	2.80	56.00	3	.1150
12.40	10.00	2.80	56.00	3	.1240
13.40	10.00	3.20	60.00	3	.1340
15.00	10.00	3.20	60.00	3	.1500
16.50	10.00	3.50	60.00	3	.1650
19.00	10.00	3.50	63.00	3	.1900
20.50	10.00	3.80	63.00	3	.2050
23.00	10.00	3.80	67.00	3	.2300
25.00	10.00	3.80	67.00	3	.2500
31.00	12.00	4.20	71.00	3	.3100
40.00	12.00	10.00	75.00	3	.4000



HSS Verzinkerset 90°

Artikelnummer 498



Verzinkborensset 90° / Ø-Bereik: 6,30-20,50 / DIN 335 / HSS / blank
Vorm: C / Snijrichting: rechts

Set in cassette, bestaande uit artikelnr. 476
nominale Ø: 6,3 / 8,3 / 10,4 / 12,4 / 16,5 en 20,5 mm

P	Staal	●
M	RVS	○
K	Gietijzer	●
N	Aluminium	●
S	Titanium	○
H	Gehard staal	○

Artikelnummer 498

Bereik	Aantal	code
6.3 - 20.5	Set	.2050

HSCO SpyroTec Verzinkerset 90°, TiAlN, cyl. schacht

Artikelnummer 5538



Spyrotec Verzinkerset 90° / Ø-Bereik: 6,3 - 20,5 / DIN 335 / HSCO / TiAlN
Vorm: C / Snijrichting: rechts / samengesteld uit 5500

- cilindrische schacht
- trillingsarme snijomstandigheden
- voor ronde en kerfvrije verzinkingen
- duidelijk verminderde voedingskracht nodig
- universele toepassingen

P	Staal	●
M	RVS	●
K	Gietijzer	●
N	Aluminium	○
S	Titanium	●
H	Gehard staal	○

Artikelnummer 5538

Bereik	Aantal	code
6.3 - 20.5	Set	.2050

HSS Verzinkerset 90°

Artikelnummer 499



Verzinkborensset 90° / Ø-Bereik: 6,30-20,50 / DIN 335 / HSS / TiN
Vorm: C / Snijrichting: rechts

Set in cassette, bestaande uit artikelnr. 327
nominale Ø: 6,30 / 8,30 / 10,40 / 12,40 / 16,50 / 20,50 mm

P	Staal	●
M	RVS	○
K	Gietijzer	●
N	Aluminium	○
S	Titanium	○
H	Gehard staal	○

Artikelnummer 499

Bereik	Aantal	code
6.3 - 20.5	Set	.2050

HSCO SpyroTec Verzinkerset 90°, TiAlN, 3-vlaks schacht

Artikelnummer 5539



Spyrotec Verzinkerset 90° / Ø-Bereik: 6,3 - 20,5 / DIN 335 / HSCO / TiAlN
Vorm: C / Snijrichting: rechts / samengesteld uit 5501
3-vlaks schacht voorkomt wegglijden in de boorhouder

- 3 ongelijke, convexe snijkanten
- trillingsarme snijomstandigheden
- voor ronde en kerfvrije verzinkingen
- duidelijk verminderde voedingskracht nodig

P	Staal	●
M	RVS	●
K	Gietijzer	●
N	Aluminium	○
S	Titanium	●
H	Gehard staal	○

Artikelnummer 5539

Bereik	Aantal	code
6.3 - 20.5	Set	.2050



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UW DEALER: