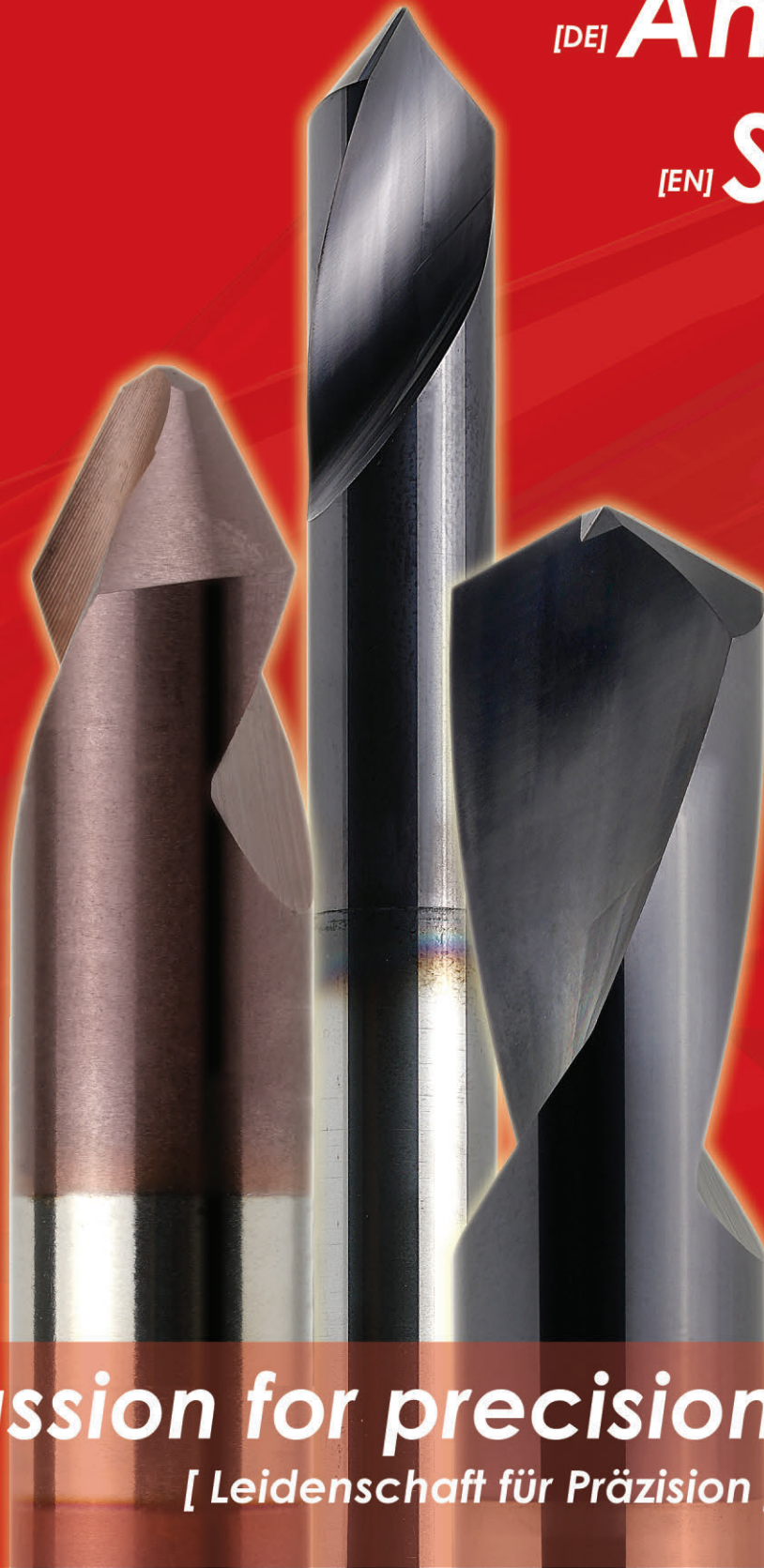




[DE] **Anbohren**
[EN] **Spotting**



passion for precision
[Leidenschaft für Präzision]



Micro-NC-Anbohrer VHM

Carbide Micro NC Spotting Drills

Art.No./Page

		VHM	X Cut	90°	DIN 6535HA	Micro	623 200 Seite B 1
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NC-Anbohrer VHM

Carbide NC Spotting Drills

Art.No./Page

		VHM	blank	ISO 10898	60°	DIN 6535HA	623 480 Seite B 1
		VHM	blank	ISO 10898	90°	DIN 6535HA DIN 6535HB	623 490 Seite B 2
		VHM	blank	ISO 10898	90°	DIN 6535HB	623 491 Seite B 2
		VHM	blank	ISO 10898	90°	DIN 6535HA L lang	623 390 Seite B 2
		VHM	X Cut	ISO 10898	90°	DIN 6535HA DIN 6535HB	623 497 Seite B 3
		VHM	X Cut	ISO 10898	90°	DIN 6535HB	623 492 Seite B 3
		VHM	X Cut	ISO 10898	90°	DIN 6535HA L lang	623 397 Seite B 3
		VHM	blank	ISO 10898	120°	DIN 6535HA DIN 6535HB	623 500 Seite B 4
		VHM	blank	ISO 10898	120°	DIN 6535HB	623 501 Seite B 4
		VHM	blank	ISO 10898	120°	DIN 6535HA L lang	623 580 Seite B 4
		VHM	X Cut	ISO 10898	120°	DIN 6535HA DIN 6535HB	623 507 Seite B 5
		VHM	X Cut	ISO 10898	120°	DIN 6535HB	623 502 Seite B 5
		VHM	X Cut	ISO 10898	120°	DIN 6535HA L lang	623 587 Seite B 5
		VHM	blank	ISO 10898	142°	DIN 6535HA DIN 6535HB	623 511 Seite B 6
		VHM	X Cut	ISO 10898	142°	DIN 6535HA DIN 6535HB	623 512 Seite B 6

NC-Anbohrer HSS-E05

HSS-E05 NC Spotting Drills

Art.No./Page

		HSS E05	blank	ISO 10898	60°	DIN 1835A	123 640 Seite B 7
		HSS E05	blank	ISO 10898	90°	DIN 1835A DIN 1835B	123 370 Seite B 8

●	●	●			○			HSS E05	blank	ISO 10898	90°	DIN 1835B		123 371 Seite B 8
●	●	●			○			HSS E05	blank	ISO 10898	90°	DIN 1835A	L lang	123 390 Seite B 8
●	●	●			○			HSS E05	blank	ISO 10898	90°	DIN 1835A	LH links	123 310 Seite B 9
●	●	●			○			HSS E05	blank	ISO 10898	90°	MK MTS		123 440 Seite B 9
●	●							HSS E05	A Cut	ISO 10898	90°	DIN 1835A	DIN 1835B	123 450 Seite B 10
●	●							HSS E05	A Cut	ISO 10898	90°	DIN 1835B		123 451 Seite B 10
●	●	●			○			HSS E05	X Cut	ISO 10898	90°	DIN 1835A	DIN 1835B	123 590 Seite B 11
●	●	●			○			HSS E05	X Cut	ISO 10898	90°	DIN 6535HB		123 591 Seite B 11
●	●	●			○			HSS E05	X Cut	ISO 10898	90°	DIN 1835A	L lang	123 397 Seite B 11
●	●	●			○			HSS E05	blank	ISO 10898	120°	DIN 1835A	DIN 1835B	123 380 Seite B 12
●	●	●			○			HSS E05	blank	ISO 10898	120°	DIN 1835B		123 381 Seite B 12
●	●	●			○			HSS E05	blank	ISO 10898	120°	DIN 1835A	L lang	123 580 Seite B 12
●	●	●			○			HSS E05	blank	ISO 10898	120°	DIN 1835A	LH links	123 320 Seite B 13
●	●	●			○			HSS E05	blank	ISO 10898	120°	MK MTS		123 470 Seite B 13
●	●							HSS E05	A Cut	ISO 10898	120°	DIN 1835A	DIN 1835B	123 460 Seite B 14
●	●							HSS E05	A Cut	ISO 10898	120°	DIN 1835B		123 461 Seite B 14
●	●	●			○			HSS E05	X Cut	ISO 10898	120°	DIN 1835A	DIN 1835B	123 600 Seite B 15
●	●	●			○			HSS E05	X Cut	ISO 10898	120°	DIN 1835B		123 601 Seite B 15
●	●	●			○			HSS E05	X Cut	ISO 10898	120°	DIN 1835A	L lang	123 587 Seite B 15
●	●	●			○			HSS E05	blank	ISO 10898	142°	DIN 1835A		123 384 Seite B 16
●	●	●			○			HSS E05	X Cut	ISO 10898	142°	DIN 1835A		123 604 Seite B 16

DuoMag Doppelseitige Anbohrer

DuoMag Double Sided Spotting Drills

Art.No./Page

● ● ●		HSS E05	X Cut	60°	2 ENDS		124 607 Seite B 17
● ● ●		HSS E05	X Cut	60°	2 ENDS	OAL 100	124 617 Seite B 17
● ● ●		HSS E05	X Cut	60°	2 ENDS	OAL 150	124 627 Seite B 17
● ● ●		HSS E05	X Cut	90°	2 ENDS		124 907 Seite B 18
● ● ●		HSS E05	X Cut	90°	2 ENDS	OAL 100	124 917 Seite B 18
● ● ●		HSS E05	X Cut	90°	2 ENDS	OAL 150	124 927 Seite B 18
● ● ● ○ ○		VHM	X Cut	90° 118°	2 ENDS		624 907 Seite B 19

623 200**Micro-NC-Anbohrer VHM+X.Cut 90°
Carbide Micro NC Spotting Drills+X.Cut 90°**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Hohe Rundlaufgenauigkeit
- Verstärkter Schaft Ø3 h6
- Senkwinkel 90°
- Oberfläche X.Cut beschichtet

- High precision point geometry
- Easy penetration and high accuracy
- High concentricity
- Reinforced shank Ø3 h6
- Point angle 90°
- With X.Cut coating



VHM	X Cut
90°	DIN 6535HA
Micro	

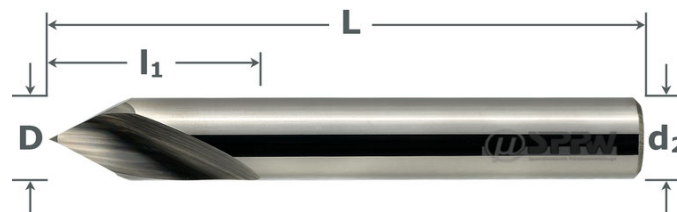
B

ØD	Ød2	L	l1	Art. No.	Stk/pce	Art. No.	Stk/pce
0.01	h6				Euro	0.01	h6
0,3	3	39	0,9	6232000030	33,40	6232000090	26,20
0,4	3	39	1,2	6232000040	30,00	6232000100	26,20
0,5	3	39	1,5	6232000050	27,60	6232000120	26,20
0,6	3	39	1,8	6232000060	26,20	6232000150	26,20
0,7	3	39	2,1	6232000070	26,20	6232000200	26,20
0,8	3	39	2,4	6232000080	26,20	6232000250	26,20

623 480**NC-Anbohrer VHM 60°
Carbide NC Spotting Drills 60°**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Hohe Rundlaufgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 60°
- Oberfläche blank

- High precision point geometry
- Easy penetration and high accuracy
- High concentricity
- Straight shank in tolerance h6
- Point angle 60°
- Bright finish



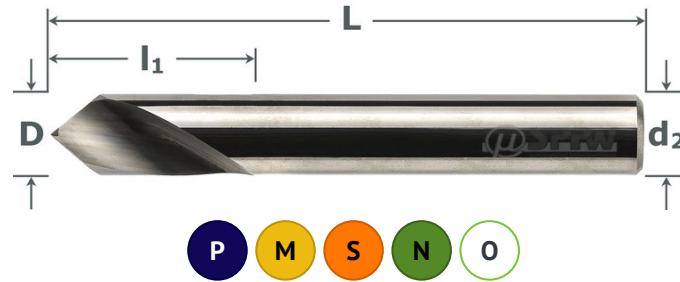
VHM	blank
ISO 10898	60°
DIN 6535HA	

ØD	Ød2	L	l1	Art. No.	Stk/pce	Art. No.	Stk/pce
h6	h6				Euro	h6	h6
2	2	40	8	6234800200	9,40	6234800800	20,20
3	3	50	10	6234800300	10,50	6234801000	28,10
4	4	50	12	6234800400	11,70	6234801200	38,00
5	5	50	15	6234800500	12,80	6234801600	60,20
6	6	50	18	6234800600	14,60		

623 490**NC-Anbohrer VHM 90°
Carbide NC Spotting Drills 90°**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Hohe Rundlaufgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 90°
- Oberfläche blank

- High precision point geometry
- Easy penetration and high accuracy
- High concentricity
- Straight shank in tolerance h6
- Point angle 90°
- Bright finish



VHM	blank
ISO 10898	90°
DIN 6535HA	DIN 6535HB

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	40	8	6234900200	9,40	8	8	60	23	6234900800	20,20
3	3	50	10	6234900300	10,50	10	10	70	24	6234901000	28,10
4	4	50	12	6234900400	11,70	12	12	70	24	6234901200	38,00
5	5	50	15	6234900500	12,80	16	16	80	26	6234901600	60,20
6	6	50	18	6234900600	14,60	20	20	100	35	6234902000	111,50

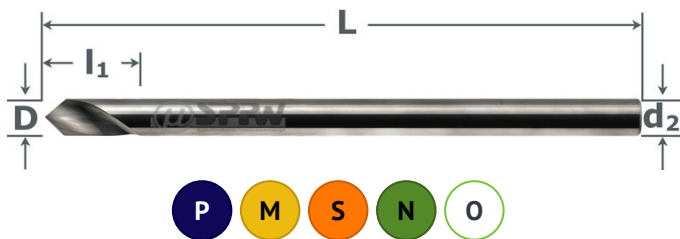
623491 - Schaft DIN 6535 HB | Weldon Shank

ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro
6	6	50	18	HB	6234910600	15,90	12	12	70	24	HB	6234911200	39,70
8	8	60	23	HB	6234910800	21,70	16	16	80	26	HB	6234911600	63,30
10	10	70	24	HB	6234911000	29,80	20	20	100	35	HB	6234912000	120,30

623 390**NC-Anbohrer VHM 90° Lang
Carbide NC Spotting Drills 90° Long Series**

- Formgenauer Präzisionsanschliff
- Lange Version für Zugangsprobleme
- Hohe Rundlauf- und Formgenauigkeit
- Glatter Zylinderschaft Toleranz h6
- Senkwinkel 90°
- Oberfläche blank

- High precision point geometry
- Long version for access problems
- High concentricity
- Straight shank in tolerance h6
- Point angle 90°
- Bright finish



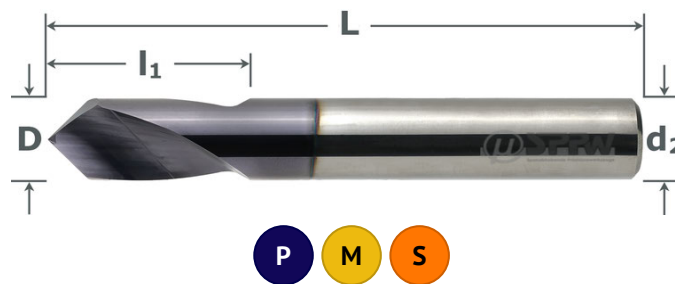
VHM	blank
ISO 10898	90°
DIN 6535HA	L lang

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
4	4	100	12	6233900400	32,60	10	10	170	25	6233901000	80,70
5	5	120	15	6233900500	43,70	12	12	170	30	6233901200	113,00
6	6	140	20	6233900600	48,90	16	16	200	35	6233901600	206,40
8	8	140	25	6233900800	63,20	20	20	200	40	6233902000	284,20

623 497**NC-Anbohrer VHM+X.Cut 90°
Carbide NC Spotting Drills+X.Cut 90°**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Hohe Rundlaufgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 90°
- Oberfläche X.Cut beschichtet

- High precision point geometry
- Easy penetration and high accuracy
- High concentricity
- Straight shank in tolerance h6
- Point angle 90°
- With X.Cut coating



VHM	X Cut
ISO 10898	90°
DIN 6535HA	DIN 6535HB

B

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	40	8	6234970200	11,60	8	8	60	23	6234970800	25,60
3	3	50	10	6234970300	12,40	10	10	70	24	6234971000	35,20
4	4	50	12	6234970400	13,60	12	12	70	24	6234971200	46,50
5	5	50	15	6234970500	16,60	16	16	80	26	6234971600	73,70
6	6	50	18	6234970600	19,30	20	20	100	35	6234972000	132,50

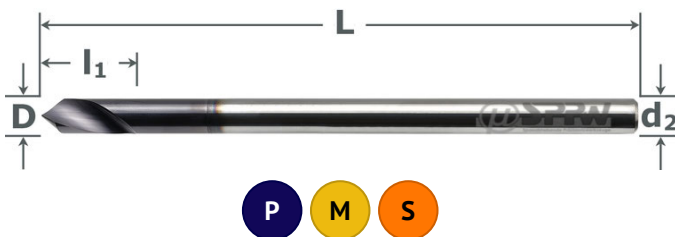
623492 - Schaft DIN 6535 HB | Weldon Shank

ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro
6	6	50	18	HB	6234920600	20,70	12	12	70	24	HB	6234921200	48,20
8	8	60	23	HB	6234920800	27,00	16	16	80	26	HB	6234921600	75,70
10	10	70	24	HB	6234921000	36,90	20	20	100	35	HB	6234922000	134,70

623 397**NC-Anbohrer VHM+X.Cut 90° Lang
Carbide NC Spotting Drills+X.Cut 90° Long Series**

- Formgenauer Präzisionsanschliff
- Lange Version für Zugangsprobleme
- Hohe Rundlauf- und Formgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 90°
- Oberfläche X.Cut beschichtet

- High precision point geometry
- Long version for access problems
- High concentricity
- Straight shank in tolerance h6
- Point angle 90°
- With X.Cut coating



VHM	X Cut
ISO 10898	90°
DIN 6535HA	L lang

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
4	4	100	12	6233970400	38,50	10	10	170	25	6233971000	95,70
5	5	120	15	6233970500	45,80	12	12	170	30	6233971200	124,80
6	6	140	20	6233970600	55,00	16	16	200	35	6233971600	223,70
8	8	140	25	6233970800	71,60	20	20	200	40	6233972000	309,30

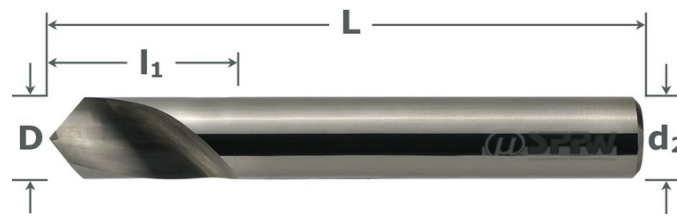
623 500

NC-Anbohrer VHM 120° Carbide NC Spotting Drills 120°



- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 120°
- Oberfläche blank

- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 120°
- Bright finish



VHM	blank
ISO 10898	120°
DIN 6535HA	DIN 6535HB

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	40	8	6235000200	9,40	8	8	60	23	6235000800	20,20
3	3	50	10	6235000300	10,50	10	10	70	24	6235001000	28,10
4	4	50	12	6235000400	11,70	12	12	70	24	6235001200	38,00
5	5	50	15	6235000500	12,80	16	16	80	26	6235001600	60,20
6	6	50	18	6235000600	14,60	20	20	100	35	6235002000	111,50

623501 - Schaft DIN 6535 HB | Weldon Shank

ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro
6	6	50	18	HB	6235010600	15,90	12	12	70	24	HB	6235011200	39,70
8	8	60	23	HB	6235010800	21,70	16	16	80	26	HB	6235011600	63,30
10	10	70	24	HB	6235011000	29,80	20	20	100	35	HB	6235012000	120,30

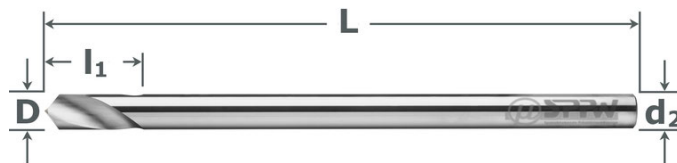
623 580

NC-Anbohrer VHM 120° Lang Carbide NC Spotting Drills 120° Long Series



- Formgenauer Präzisionsanschliff
- Lange Version für Zugangsprobleme
- Hohe Rundlauf- und Formgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 120°
- Oberfläche blank

- High precision point geometry
- Long version for access problems
- High concentricity
- Straight shank in tolerance h6
- Point angle 120°
- Bright finish



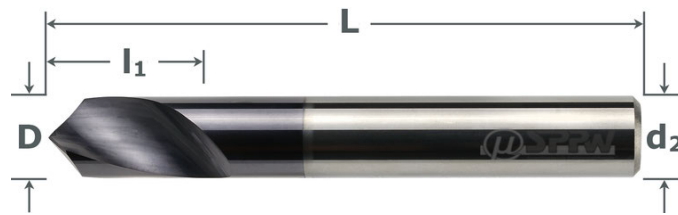
VHM	blank
ISO 10898	120°
DIN 6535HA	L lang

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
4	4	100	12	6235800400	39,00	8	8	140	25	6235800800	69,20
5	5	120	15	6235800500	46,40	10	10	170	25	6235801000	87,50
6	6	140	20	6235800600	56,40	12	12	170	30	6235801200	113,00

623 507**NC-Anbohrer VHM+X.Cut 120°
Carbide NC Spotting Drills+X.Cut 120°**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Hohe Rundlaufgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 120°
- Oberfläche X.Cut beschichtet

- High precision point geometry
- Easy penetration and high accuracy
- High concentricity
- Straight shank in tolerance h6
- Point angle 120°
- With X.Cut coating



VHM	X Cut
ISO 10898	120°
DIN 6535HA	DIN 6535HB

B

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	40	8	6235070200	11,60
3	3	50	10	6235070300	12,40
4	4	50	12	6235070400	13,60
5	5	50	15	6235070500	16,60
6	6	50	18	6235070600	19,30

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
8	8	60	23	6235070800	25,60
10	10	70	24	6235071000	35,20
12	12	70	24	6235071200	46,50
16	16	80	26	6235071600	73,70
20	20	100	35	6235072000	132,50

623502 - Schaft DIN 6535 HB | Weldon Shank

ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro
6	6	50	18	HB	6235020600	20,70
8	8	60	23	HB	6235020800	27,00
10	10	70	24	HB	6235021000	36,90

ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro
12	12	70	24	HB	6235021200	48,20
16	16	80	26	HB	6235021600	75,70
20	20	100	35	HB	6235022000	134,70

623 587**NC-Anbohrer VHM+X.Cut 120° Lang
Carbide NC Spotting Drills+X.Cut 120° Long Series**

- Formgenauer Präzisionsanschliff
- Lange Version für Zugangsprobleme
- Hohe Rundlauf- und Formgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 120°
- Oberfläche X.Cut beschichtet

- High precision point geometry
- Long version for access problems
- High concentricity
- Straight shank in tolerance h6
- Point angle 120°
- With X.Cut coating



VHM	X Cut
ISO 10898	120°
DIN 6535HA	L lang

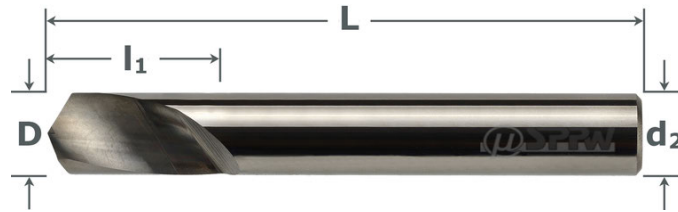
ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
4	4	100	12	6235870400	42,70
5	5	120	15	6235870500	50,60
6	6	140	20	6235870600	61,70

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
8	8	140	25	6235870800	76,30
10	10	170	25	6235871000	96,40
12	12	170	30	6235871200	124,80

623 511**NC-Anbohrer VHM 142° Spannfläche
Carbide NC Spotting Drills 142° Flat****B**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Hohe Rundlaufgenauigkeit
- Ab Ø6 Schaft DIN 6535 HB
- 142° Spitze für HPC-Bohrer
- Oberfläche blank

- High precision point geometry
- Easy penetration and high accuracy
- High concentricity
- Ø6 and up shank DIN 6535 HB
- 142° point - spotting for HPC drills
- Bright finish



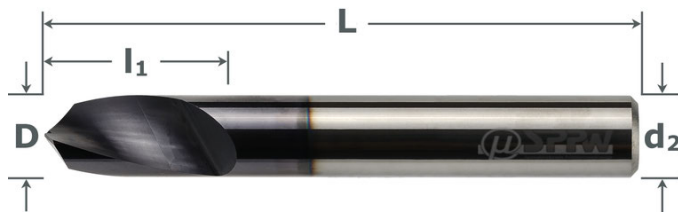
VHM	blank
ISO 10898	142°
DIN 6535HA	DIN 6535HB

ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro
3	3	50	10	HA	6235110300	10,50	10	10	70	24	HB	6235111000	29,80
4	4	50	12	HA	6235110400	11,70	12	12	70	24	HB	6235111200	39,70
5	5	50	15	HA	6235110500	12,80	16	16	80	26	HB	6235111600	63,30
6	6	50	18	HB	6235110600	15,90	20	20	100	35	HB	6235112000	120,30
8	8	60	23	HB	6235110800	21,70							

623 512**NC-Anbohrer VHM+X.Cut 142° Spannfläche
Carbide NC Spotting Drills+X.Cut 142° Flat**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Hohe Rundlaufgenauigkeit
- Ab Ø6 Schaft DIN 6535 HB
- 142° Spitze für HPC-Bohrer
- Oberfläche X.Cut beschichtet

- High precision point geometry
- Easy penetration and high accuracy
- High concentricity
- Ø6 and up shank DIN 6535 HB
- 142° point for HPC drills
- Bright finish or with X.Cut coating



VHM	X Cut
ISO 10898	142°
DIN 6535HA	DIN 6535HB

ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Schaft	Art. No.	Stk/pce Euro
3	3	50	10	HA	6235120300	12,40	10	10	70	24	HB	6235121000	36,90
4	4	50	12	HA	6235120400	13,60	12	12	70	24	HB	6235121200	48,20
5	5	50	15	HA	6235120500	16,60	16	16	80	26	HB	6235121600	74,40
6	6	50	18	HB	6235120600	20,70	20	20	100	35	HB	6235122000	134,70
8	8	60	23	HB	6235120800	27,00							

123 640

NC-Anbohrer HSS-E05 60° HSS-E05 NC Spotting Drills 60°



- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 60°
- Oberfläche blank

- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 60°
- Bright finish



HSS E05	blank
ISO 10898	60°
DIN 1835A	

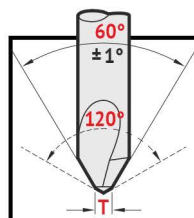
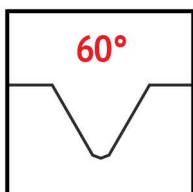


B

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
4	4	52	12	1236400400	32,80
5	5	60	15	1236400500	33,20
6	6	66	20	1236400600	33,80
8	8	79	25	1236400800	34,80

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
10	10	89	25	1236401000	35,80
12	12	102	30	1236401200	40,30
16	16	115	35	1236401600	96,60
20	20	131	40	1236402000	101,30

— INFO —



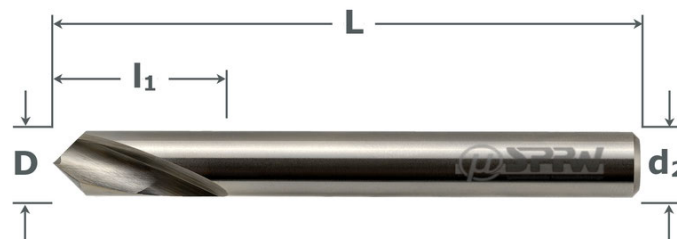
NC-Anbohrer mit Senkwinkel 60° haben eine verstärkte Spitze mit Spitzenwinkel 120°. Sie sind daher deutlich stabiler!

NC spot drills with sinking angle 60° have a reinforced tip with point angle 120°. They are therefore significantly more stable!

123 370**NC-Anbohrer HSS-E05 90°
HSS-E05 NC Spotting Drills 90°****B**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 90°
- Oberfläche blank

- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 90°
- Bright finish



HSS E05	blank
ISO 10898	90°
DIN 1835A	DIN 1835B

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	49	8	1233700200	9,50
3	3	50	10	1233700300	6,90
4	4	52	12	1233700400	5,40
5	5	60	15	1233700500	5,70
6	6	66	20	1233700600	6,20
8	8	79	25	1233700800	7,40
10	10	89	25	1233701000	9,20

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1233701200	12,70
14	14	115	35	1233701400	21,60
16	16	115	35	1233701600	22,70
18	18	130	40	1233701800	34,00
20	20	131	40	1233702000	34,90
25	25	138	45	1233702500	65,70

123371 - Schaft DIN 1835 B | Weldon Shank

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
6	6	66	20	1233710600	6,70
8	8	79	25	1233710800	7,90
10	10	89	25	1233711000	9,90

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1233711200	13,70
16	16	115	35	1233711600	23,40
20	20	131	40	1233712000	37,60

123 390**NC-Anbohrer HSS-E05 90° Lang
HSS-E05 NC Spotting Drills 90° Long Series**

- Formgenauer Präzisionsanschliff
- Lange Version für Zugangsprobleme
- Hohe Rundlauf- und Formgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 90°
- Oberfläche blank

- High precision point geometry
- Long version for access problems
- High concentricity
- Straight shank in tolerance h6
- Point angle 90°
- Bright finish



HSS E05	blank
ISO 10898	90°
DIN 1835A	L lang

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
1	1	50	6	1233900100	37,40
2	2	60	8	1233900200	34,90
3	3	80	10	1233900300	32,00
4	4	100	12	1233900400	27,90
5	5	120	15	1233900500	27,90
6	6	140	20	1233900600	27,90

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
8	8	140	25	1233900800	34,90
10	10	170	25	1233901000	36,90
12	12	170	30	1233901200	46,40
16	16	200	35	1233901600	73,60
20	20	200	40	1233902000	91,30

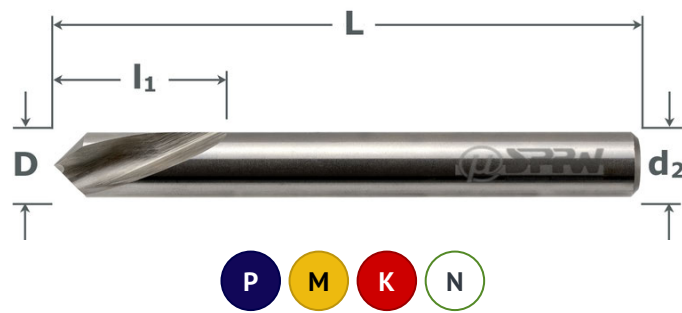
123 310

NC-Anbohrer HSS-E05 90° Links HSS-E05 NC Spotting Drills 90° Left Hand



- Formgenauer Präzisionsanschliff
- Hohe Rundlauf- und Formgenauigkeit
- Linksschneidend für Drehmaschinen
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 90°
- Oberfläche blank

- High precision point geometry
- High concentricity and high accuracy
- Left hand cutting, especially for lathes
- Straight shank in tolerance h6
- Point angle 90°
- Bright finish



HSS E05	blank
ISO 10898	90°
DIN 1835A	LH links

B

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
3	3	50	10	1233100300	32,60	8	8	79	25	1233100800	34,80
4	4	52	12	1233100400	32,80	10	10	89	25	1233101000	35,80
5	5	60	15	1233100500	33,20	12	12	102	30	1233101200	40,30
6	6	66	20	1233100600	33,80	16	16	115	35	1233101600	96,60

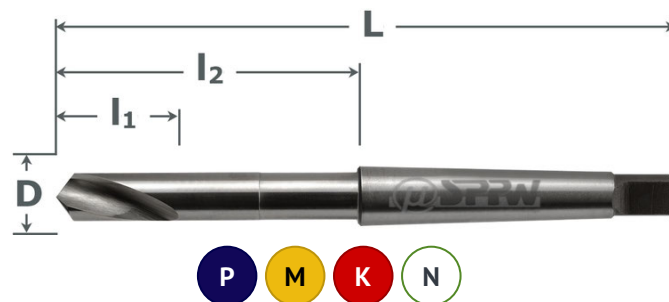
123 440

NC-Anbohrer HSS-E05 90° mit MK-Schaft HSS-E05 NC Spotting Drills 90° with Morse Taper Shank



- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Ausführung mit MK-Schaft
- Senkwinkel 90°
- Oberfläche blank

- High precision point geometry
- Easy penetration and high accuracy
- Morse Taper Shank
- Point angle 90°
- Bright finish



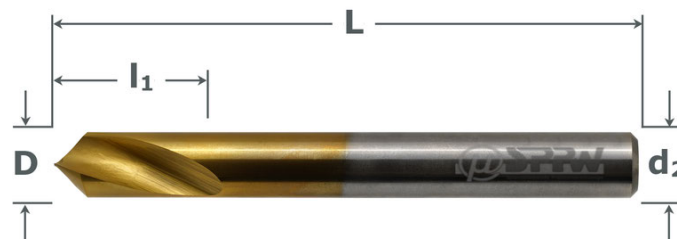
HSS E05	blank
ISO 10898	90°
MK MTS	

ØD h10	MK Nr.	L	l1	l2	Art. No.	Stk/pce Euro	ØD h10	MK Nr.	L	l1	l2	Art. No.	Stk/pce Euro
10	1	130	25	64	1234401000	71,40	20	2	148	40	68	1234402000	86,70
12	1	130	30	64	1234401200	76,50	25	3	171	45	72	1234402500	112,30
16	2	148	35	68	1234401600	81,70							

123 450**NC-Anbohrer HSS-E05+A.Cut 90°
HSS-E05 NC Spotting Drills+A.Cut 90°****B**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 90°
- Oberfläche A.Cut beschichtet

- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 90°
- With A.Cut coating



HSS E05	A Cut
ISO 10898	90°
DIN 1835A	DIN 1835B

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	49	8	1234500200	10,70
3	3	50	10	1234500300	8,00
4	4	52	12	1234500400	6,90
5	5	60	15	1234500500	7,70
6	6	66	20	1234500600	8,20
8	8	79	25	1234500800	10,30
10	10	89	25	1234501000	13,70

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1234501200	18,90
14	14	115	35	1234501400	28,20
16	16	115	35	1234501600	29,20
18	18	130	40	1234501800	44,20
20	20	131	40	1234502000	45,50
25	25	138	45	1234502500	78,10

123451 - Schaft DIN 1835 B | Weldon Shank

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
6	6	66	20	1234510600	9,20
8	8	79	25	1234510800	11,40
10	10	89	25	1234511000	14,60

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1234511200	19,80
16	16	115	35	1234511600	30,80
20	20	131	40	1234512000	47,20

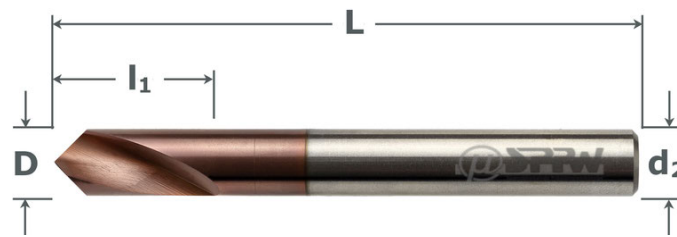
— INFO —**HSS-E NC-Anbohrer - Oberflächenbehandlungen
HSS-E Spotting Drills - Surface Treatments**

blank	Ohne Beschichtung Without coating	
A Cut	Titan-Nitrid (2.300 HV) Titanium Nitride (2300 HV)	
X Cut	Titan-Aluminium-Nitrid (3.500 HV) Titanium-Aluminum-Nitride (3500 HV)	

123 590**NC-Anbohrer HSS-E05+X.Cut 90°
HSS-E05 NC Spotting Drills+X.Cut 90°**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 90°
- Oberfläche X5.Cut beschichtet

- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 90°
- With X5.Cut coating



HSS E05	X Cut
ISO 10898	90°
DIN 1835A	DIN 1835B

B

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	49	8	1235900200	11,70
3	3	50	10	1235900300	9,40
4	4	52	12	1235900400	7,70
5	5	60	15	1235900500	8,20
6	6	66	20	1235900600	9,10
8	8	79	25	1235900800	10,90
10	10	89	25	1235901000	13,90

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1235901200	19,20
14	14	115	35	1235901400	27,90
16	16	115	35	1235901600	30,30
18	18	130	40	1235901800	43,80
20	20	131	40	1235902000	43,80
25	25	138	45	1235902500	74,30

123591 - Schaft DIN 1835 B | Weldon Shank

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
6	6	66	20	1235910600	9,70
8	8	79	25	1235910800	11,40
10	10	89	25	1235911000	14,60

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1235911200	19,80
16	16	115	35	1235911600	30,80
20	20	131	40	1235912000	47,20

123 397**NC-Anbohrer HSS-E05+X.Cut 90° Lang
HSS-E05 NC Spotting Drills+X.Cut 90° Long Series**

- Formgenauer Präzisionsanschliff
- Lange Version für Zugangsprobleme
- Hohe Rundlauf- und Formgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 90°
- Oberfläche X.Cut beschichtet

- High precision point geometry
- Long version for access problems
- High concentricity
- Straight shank in tolerance h6
- Point angle 90°
- With X.Cut coating



HSS E05	X Cut
ISO 10898	90°
DIN 1835A	L lang

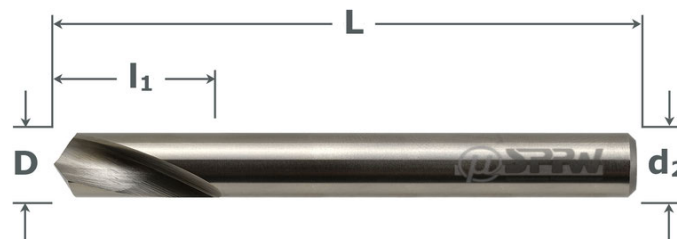
ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
1	1	50	6	1233970100	43,60
2	2	60	8	1233970200	40,50
3	3	80	10	1233970300	37,60
4	4	100	12	1233970400	33,50
5	5	120	15	1233970500	33,80
6	6	140	20	1233970600	34,90

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
8	8	140	25	1233970800	42,20
10	10	170	25	1233971000	44,90
12	12	170	30	1233971200	55,80
16	16	200	35	1233971600	87,10
20	20	200	40	1233972000	110,30

123 380**NC-Anbohrer HSS-E05 120°
HSS-E05 NC Spotting Drills 120°**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft Toleranz h6
- Senkwinkel 120°
- Oberfläche blank

- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 120°
- Bright finish



HSS E05	blank
ISO 10898	120°
DIN 1835A	DIN 1835B

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	49	8	1233800200	9,50
3	3	50	10	1233800300	6,90
4	4	52	12	1233800400	5,40
5	5	60	15	1233800500	5,50
6	6	66	20	1233800600	6,20
8	8	79	25	1233800800	7,00
10	10	89	25	1233801000	9,20

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1233801200	12,70
14	14	115	35	1233801400	21,60
16	16	115	35	1233801600	22,70
18	18	130	40	1233801800	34,00
20	20	131	40	1233802000	34,90
25	25	138	45	1233802500	65,70

123381 - Schaft DIN 1835 B | Weldon Shank

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
6	6	66	20	1233810600	6,70
8	8	79	25	1233810800	7,90
10	10	89	25	1233811000	9,90

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1233811200	13,70
16	16	115	35	1233811600	23,40
20	20	131	40	1233812000	37,60

123 580**NC-Anbohrer HSS-E05 120° Lang
HSS-E05 NC Spotting Drills 120° Long Series**

- Formgenauer Präzisionsanschliff
- Lange Version für Zugangsprobleme
- Hohe Rundlauf- und Formgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 120°
- Oberfläche blank

- High precision point geometry
- Long version for access problems
- High concentricity
- Straight shank in tolerance h6
- Point angle 120°
- Bright finish



HSS E05	blank
ISO 10898	120°
DIN 1835A	L lang

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
1	1	50	6	1235800100	37,40
2	2	60	8	1235800200	34,90
3	3	80	10	1235800300	32,00
4	4	100	12	1235800400	27,90
5	5	120	15	1235800500	30,40
6	6	140	20	1235800600	27,90

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
8	8	140	25	1235800800	34,90
10	10	170	25	1235801000	36,90
12	12	170	30	1235801200	46,40
16	16	200	35	1235801600	73,60
20	20	200	40	1235802000	91,30

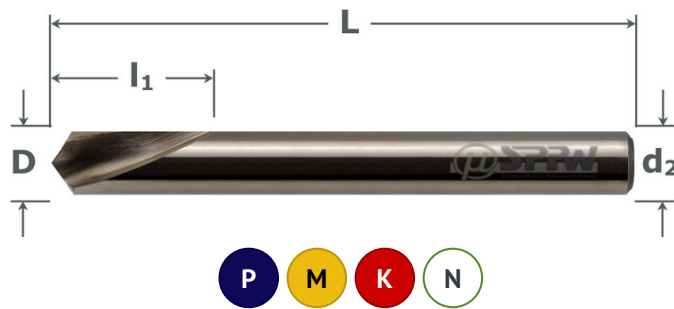
123 320

NC-Anbohrer HSS-E05 120° Links HSS-E05 NC Spotting Drills 120° Left Hand



- Formgenauer Präzisionsanschliff
- Hohe Rundlauf- und Formgenauigkeit
- Linksschneidend für Drehmaschinen
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 120°
- Oberfläche blank

- High precision point geometry
- High concentricity and high accuracy
- Left hand cutting for lathes
- Straight shank in tolerance h6
- Point angle 120°
- Bright finish



HSS E05	blank
ISO 10898	120°
DIN 1835A	LH links

B

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
3	3	50	10	1233200300	33,20	6	6	66	20	1233200600	34,20
4	4	52	12	1233200400	33,20	8	8	79	25	1233200800	35,20
5	5	60	15	1233200500	33,70	10	10	89	25	1233201000	36,20

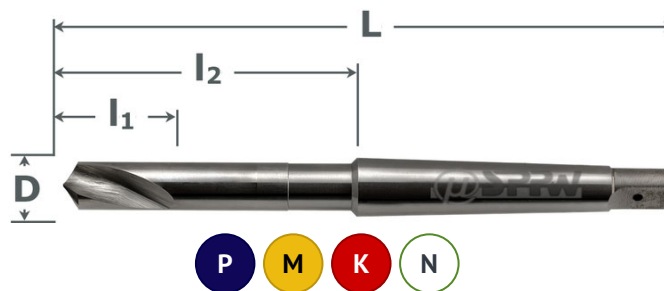
123 470

NC-Anbohrer HSS-E05 120° mit MK-Schaft HSS-E05 NC Spotting Drills 120° with Morse Taper Shank



- Präziser Sonderanschliff
- Hohe Rundlauf- und Formgenauigkeit
- Ausführung mit MK-Schaft
- Senkwinkel 120°
- Oberfläche blank

- High precision special point geometry
- High concentricity and high accuracy
- Morse Taper Shank
- Point angle 120°
- Bright finish

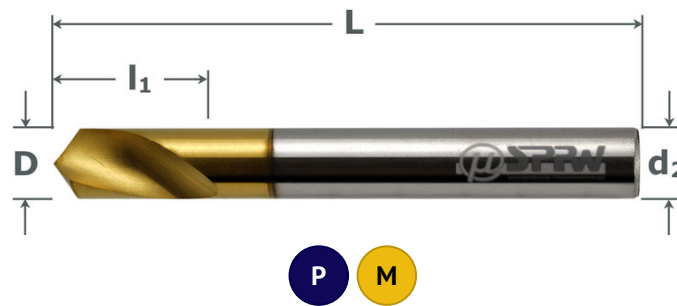


HSS E05	blank
ISO 10898	120°
MK MTS	

ØD h10	MK Nr.	L	l1	l2	Art. No.	Stk/pce Euro	ØD h10	MK Nr.	L	l1	l2	Art. No.	Stk/pce Euro
12	1	130	30	64	1234701200	87,20	20	2	148	40	68	1234702000	124,50
16	2	148	35	68	1234701600	105,90	25	3	171	45	72	1234702500	174,40

123 460**NC-Anbohrer HSS-E05+A.Cut 120°
HSS-E05 NC Spotting Drills+A.Cut 120°****B**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft Toleranz h6
- Senkwinkel 120°
- Oberfläche A.Cut beschichtet
- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 120°
- With A.Cut coating



HSS E05	A Cut
ISO 10898	120°
DIN 1835A	DIN 1835B

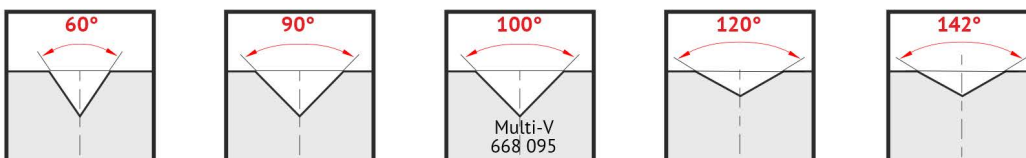
ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	49	8	1234600200	10,70
3	3	50	10	1234600300	8,00
4	4	52	12	1234600400	6,90
5	5	60	15	1234600500	7,30
6	6	66	20	1234600600	8,20
8	8	79	25	1234600800	10,30
10	10	89	25	1234601000	13,70

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1234601200	18,90
14	14	115	35	1234601400	28,20
16	16	115	35	1234601600	29,20
18	18	130	40	1234601800	44,20
20	20	131	40	1234602000	45,50
25	25	138	45	1234602500	78,10

123461 - Schaft DIN 1835 B | Weldon Shank

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
6	6	66	20	1234610600	9,20
8	8	79	25	1234610800	11,40
10	10	89	25	1234611000	14,60

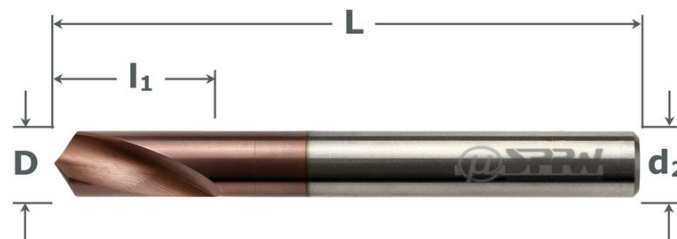
ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1234611200	19,80
16	16	115	35	1234611600	30,80
20	20	131	40	1234612000	47,20

— INFO —**NC-Anbohrer Spitzenwinkel | Spotting Drill Point Angles**

- Abweichende Winkel und Ausführungen auf Anfrage
- Different angles and configurations on request

123 600**NC-Anbohrer HSS-E05+X.Cut 120°
HSS-E05 NC Spotting Drills+X.Cut 120°**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft Toleranz h6
- Senkwinkel 120°
- Oberfläche X5.Cut beschichtet
- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 120°
- With X5.Cut coating



HSS E05	X Cut
ISO 10898	120°
DIN 1835A	DIN 1835B

B

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
2	2	49	8	1236000200	11,90
3	3	50	10	1236000300	9,40
4	4	52	12	1236000400	7,70
5	5	60	15	1236000500	8,00
6	6	66	20	1236000600	8,90
8	8	79	25	1236000800	10,90
10	10	89	25	1236001000	13,90

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1236001200	19,20
14	14	115	35	1236001400	27,90
16	16	115	35	1236001600	30,30
18	18	130	40	1236001800	43,80
20	20	131	40	1236002000	43,80
25	25	138	45	1236002500	74,30

123601 - Schaft DIN 1835 B | Weldon Shank

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
6	6	66	20	1236010600	9,70
8	8	79	25	1236010800	11,40
10	10	89	25	1236011000	14,60

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
12	12	102	30	1236011200	19,80
16	16	115	35	1236011600	30,80
20	20	131	40	1236012000	47,20

123 587**NC-Anbohrer HSS-E05+X.Cut 120° Lang
HSS-E05 NC Spotting Drills+X.Cut 120° Long Series**

- Formgenauer Präzisionsanschliff
- Lange Version für Zugangsprobleme
- Hohe Rundlauf- und Formgenauigkeit
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 120°
- Oberfläche X5.Cut beschichtet
- High precision point geometry
- Long version for access problems
- High concentricity
- Straight shank in tolerance h6
- Point angle 120°
- With X5.Cut coating



HSS E05	X Cut
ISO 10898	120°
DIN 1835A	L lang

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
1	1	50	6	1235870100	43,60
2	2	60	8	1235870200	40,50
3	3	80	10	1235870300	37,80
4	4	100	12	1235870400	33,50
5	5	120	15	1235870500	33,80
6	6	140	20	1235870600	34,90

ØD h6	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
8	8	140	25	1235870800	42,20
10	10	170	25	1235871000	44,90
12	12	170	30	1235871200	55,80
16	16	200	35	1235871600	87,10
20	20	200	40	1235872000	110,30

123 384**NC-Anbohrer HSS-E05 142°
HSS-E05 NC Spotting Drills 142°****B**

- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 142°
- Oberfläche blank

- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 142°
- Bright finish



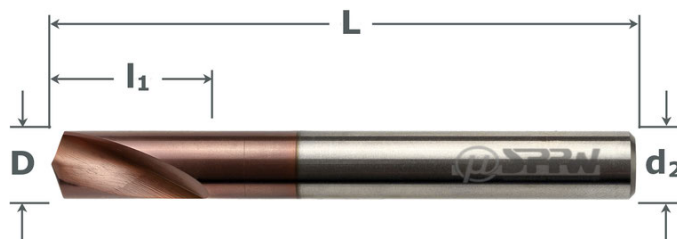
HSS E05	blank
ISO 10898	142°
DIN 1835A	

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
3	3	50	10	1233840300	7,70	10	10	89	25	1233841000	9,70
4	4	52	12	1233840400	6,10	12	12	102	30	1233841200	13,00
5	5	60	15	1233840500	6,30	16	16	115	35	1233841600	23,70
6	6	66	20	1233840600	6,80	20	20	131	40	1233842000	35,30
8	8	79	25	1233840800	7,80						

123 604**NC-Anbohrer HSS-E05+X.Cut 142°
HSS-E05 NC Spotting Drills+X.Cut 142°**

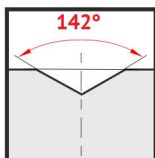
- Formgenauer Präzisionsanschliff
- Optimiertes Eindringverhalten
- Glatter Zylinderschaft mit Toleranz h6
- Senkwinkel 142°
- Oberfläche X5.Cut

- High precision point geometry
- Easy penetration and high accuracy
- Straight shank in tolerance h6
- Point angle 142°
- With X5.Cut coating



HSS E05	X Cut
ISO 10898	142°
DIN 1835A	

ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro	ØD h7	Ød2 h6	L	l1	Art. No.	Stk/pce Euro
3	3	50	10	1236040300	10,30	10	10	89	25	1236041000	14,60
4	4	52	12	1236040400	8,50	12	12	102	30	1236041200	19,40
5	5	60	15	1236040500	8,90	16	16	115	35	1236041600	31,50
6	6	66	20	1236040600	9,70	20	20	131	40	1236042000	46,40
8	8	79	25	1236040800	11,80						

— INFO —

Senkwinkel 142° zum Anbohren bei Hochleistungsbohrern aus VHM mit 140° Spitzenwinkel.

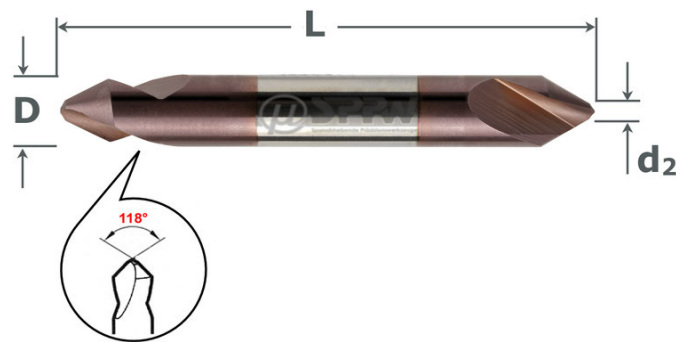
142° spotting angle allows pilot drilling for carbide high performance drills 140° point angle.

Duo MAG 60

NC-Anbohrer HSS-E05+X.Cut DuoMag Doppelseitig 60° HSS-E05 NC Spotting Drills+X.Cut DuoMag Double 60°



- Anbohren und Zentrieren
- Sonderanschliff mit verstärkter Spitze
- Spitzenwinkel 118°, Senkwinkel 60°
- Doppelseitig: 1 DuoMag = 2 Anbohrer
- Oberfläche X5.Cut beschichtet
- Spotting and centering
- Special geometry, reinforced point
- Point 118°, chamfering angle 60°
- Double: 1 DuoMag = 2 spotting drills
- With X5.Cut coating



HSS E05	X Cut
60°	2 ENDS

B



124607 - kurz | short

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
3	0,5	40	60°	1246070300	9,50
4	1	45	60°	1246070400	10,90
6	2	55	60°	1246070600	12,20
8	2,5	65	60°	1246070800	13,60

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
10	3	75	60°	1246071000	17,00
12	3,5	85	60°	1246071200	21,80
16	4	90	60°	1246071600	38,10
20	5	100	60°	1246072000	53,10

124617 - OAL:100

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
3	0,5	100	60°	1246170300	18,40
4	1	100	60°	1246170400	21,10
6	2	100	60°	1246170600	23,10

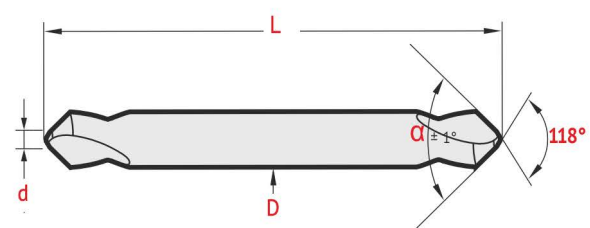
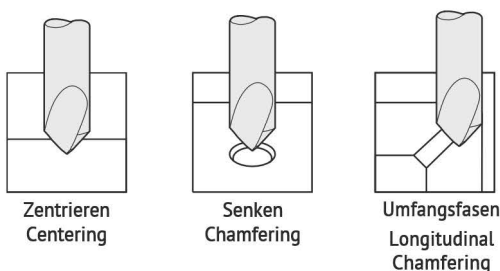
ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
8	2,5	100	60°	1246170800	24,50
10	3	100	60°	1246171000	29,90
12	3,5	100	60°	1246171200	35,40

124627 - OAL:150

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
8	2,5	150	60°	1246270800	35,40
10	3	150	60°	1246271000	40,80
12	3,5	150	60°	1246271200	43,50

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
16	4	150	60°	1246271600	61,20
20	5	150	60°	1246272000	87,10

— INFO —



Duo MAG 90

NC-Anbohrer HSS-E05+X.Cut DuoMag Doppelseitig 90° HSS-E05 NC Spotting Drills+X.Cut DuoMag Double 90°



B

- Anbohren und Zentrieren
- Sonderanschiff mit verstärkter Spitze
- Spitzenwinkel 118°, Senkwinkel 90°
- Doppelseitig: 1 DuoMag = 2 Anbohrer
- Oberfläche X5.Cut beschichtet
- Spotting and centering
- Special geometry, reinforced point
- Point 118°, chamfering angle 90°
- Double: 1 DuoMag = 2 spotting drills
- With X5.Cut coating



HSS E05	X Cut
90°	2 ENDS



124907 - kurz | short

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
3	0,5	40	90°	1249070300	9,50
4	1	45	90°	1249070400	10,90
6	2	55	90°	1249070600	12,20
8	2,5	65	90°	1249070800	13,60

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
10	3	75	90°	1249071000	17,00
12	3,5	85	90°	1249071200	21,80
16	4	90	90°	1249071600	38,10
20	5	100	90°	1249072000	53,10

124917 - OAL:100

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
3	0,5	100	90°	1249170300	18,70
4	1	100	90°	1249170400	21,60
6	2	100	90°	1249170600	23,60

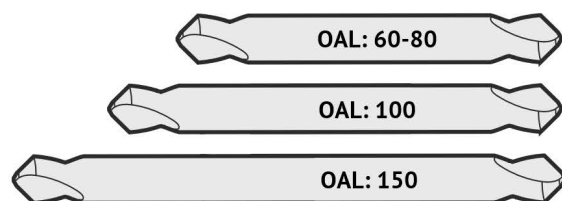
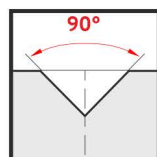
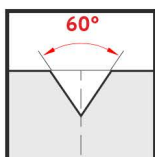
ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
8	2,5	100	90°	1249170800	25,00
10	3	100	90°	1249171000	30,60
12	3,5	100	90°	1249171200	36,20

124927 - OAL:150

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
8	2,5	150	90°	1249270800	36,20
10	3	150	90°	1249271000	41,70
12	3,5	150	90°	1249271200	44,50

ØD h7	Ød2 ±0,2	L ±1	a ±1°	Art. No.	Stk/pce Euro
16	4	150	90°	1249271600	62,60
20	5	150	90°	1249272000	89,00

— INFO —

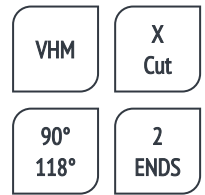


624 907

DuoMag NC-Anbohrer VHM+X.Cut Doppelseitig 90° DuoMag Carbide NC Spotting Drills X.Cut Double 90°



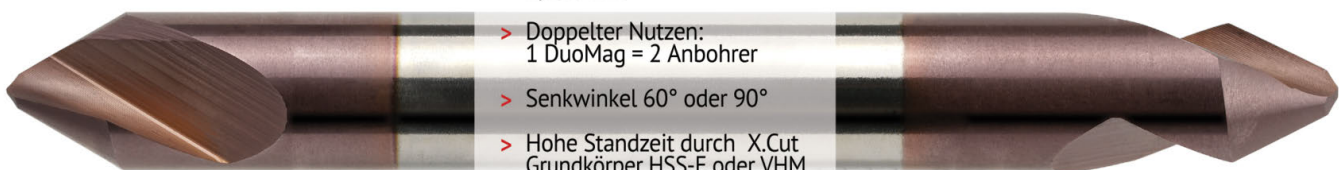
- Anbohren und Zentrieren
- Sonderanschliff mit verstärkter Spitze
- Spitzenwinkel 118°, Senkwinkel 90°
- Doppelseitig: 1 DuoMag = 2 Anbohrer
- Oberfläche X.Cut beschichtet
- Spotting and centering
- Special geometry, reinforced point
- Point angle 118°, chamfer angle 90°
- Double: 1 DuoMag = 2 spotting drills
- With X.Cut coating

**B**

ØD h6	Ød	L	a	Art. No.	Stk/pce Euro	ØD h6	Ød	L	a	Art. No.	Stk/pce Euro
3	0,5	40	90°	6249070300	43,10	8	2,5	65	90°	6249070800	86,10
4	1	45	90°	6249070400	49,20	10	3	75	90°	6249071000	89,80
6	2	55	90°	6249070600	55,30	12	3,5	85	90°	6249071200	129,10

INFO

1 DuoMag = 2 Anbohrer



- > Besonders stabile, verstärkte Spitze 118°
- > Doppelter Nutzen: 1 DuoMag = 2 Anbohrer
- > Senkwinkel 60° oder 90°
- > Hohe Standzeit durch X.Cut Grundkörper HSS-E oder VHM
- > Verschiedene Ausführungen: Kurz, Lang oder Überlang