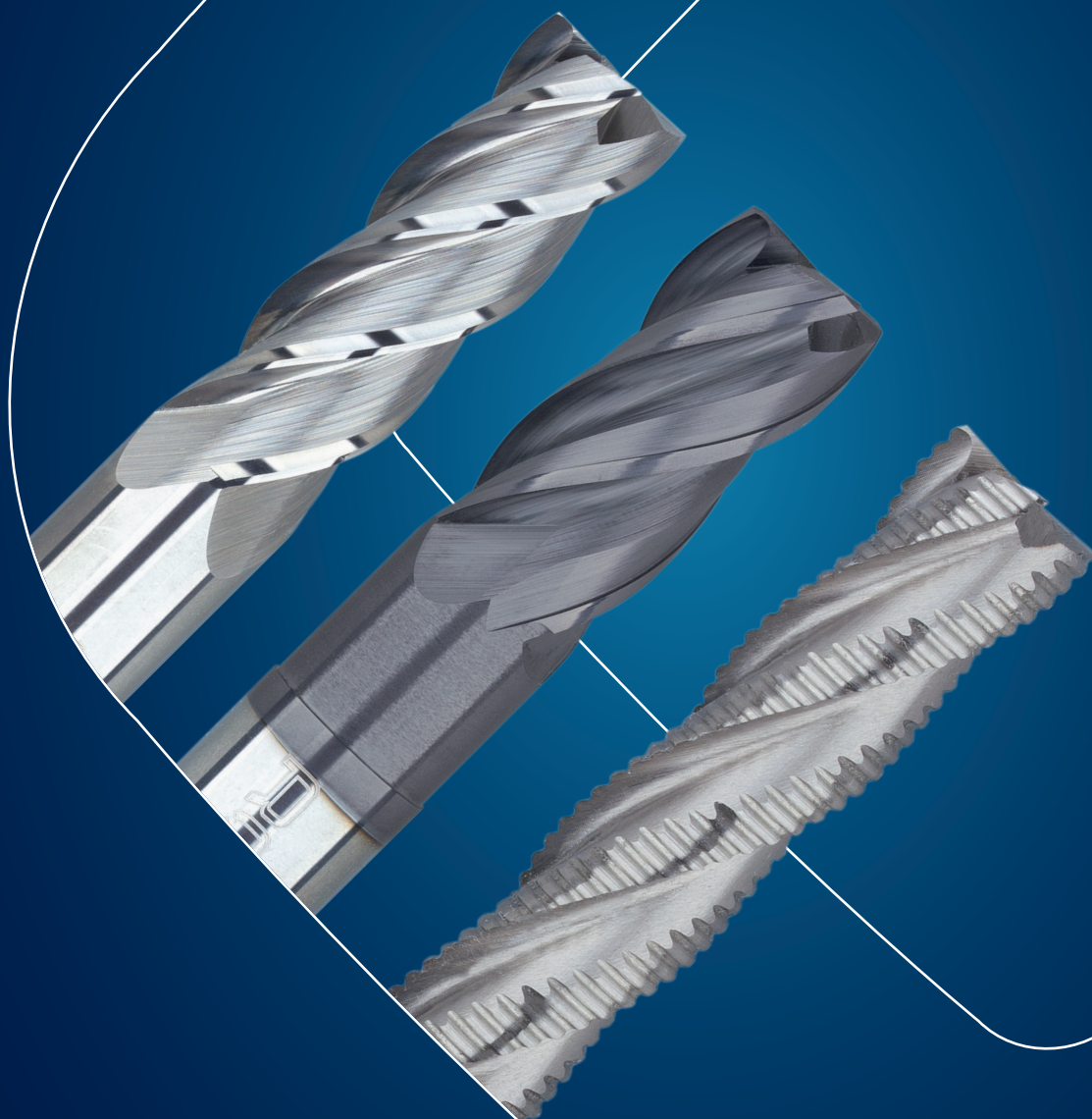


ROTEC®

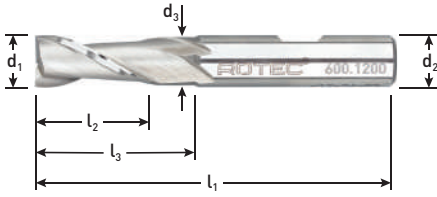


End mills

600/

HSS-E Slotting end mill, short, weldon

Execution: Short model according to DIN 327, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.



DIN 327	DIN 1835-B	HSS E	N TYPE	30° HELIX		Z=2
-------------------	----------------------	-----------------	------------------	---------------------	--	------------

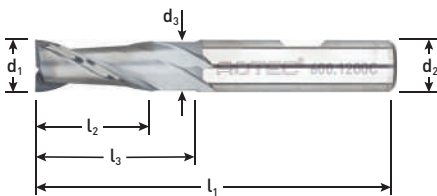
d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€/PU
1	3			48	6	2	1	600.0100	22,37
1,5	3			48	6	2	1	600.0150	22,37
2	4			48	6	2	1	600.0200	18,68
2,5	5			49	6	2	1	600.0250	19,73
3	5			49	6	2	1	600.0300	17,92
3,5	6			50	6	2	1	600.0350	17,93
4	7			51	6	2	1	600.0400	17,92
4,5	8			52	6	2	1	600.0450	19,73
5	8			52	6	2	1	600.0500	17,92
5,5	8			52	6	2	1	600.0550	19,90
6	8	16	5,5	52	6	2	1	600.0600	17,92
6,5	10			54	8	2	1	600.0650	25,85
7	10			54	8	2	1	600.0700	22,05
7,5	11			55	8	2	1	600.0750	22,05
8	11	19	7,5	55	8	2	1	600.0800	21,46
8,5	11			61	10	2	1	600.0850	25,70
9	11			61	10	2	1	600.0900	25,12
9,5	13			63	10	2	1	600.0950	26,94
10	13	23	9	63	10	2	1	600.1000	24,03

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€/PU
11	13			70	12	2	1	600.1100	36,14
12	16	28	11	73	12	2	1	600.1200	27,58
13	16			73	12	2	1	600.1300	41,04
14	16			73	12	2	1	600.1400	33,50
15	19			79	16	2	1	600.1500	41,04
16	19	31	15	79	16	2	1	600.1600	37,36
17	19			79	16	2	1	600.1700	63,99
18	19			79	16	2	1	600.1800	46,67
19	22			88	20	2	1	600.1900	76,85
20	22	38	19	88	20	2	1	600.2000	56,96
21	22			88	20	2	1	600.2100	71,70
22	22			88	20	2	1	600.2200	63,67
24	26			102	25	2	1	600.2400	82,97
25	26	46	24	102	25	2	1	600.2500	82,97
28	26			102	25	2	1	600.2800	129,32
30	26			102	25	2	1	600.3000	150,62
32	32	52	31	112	32	2	1	600.3200	179,89
36	32			112	32	2	1	600.3600	222,25
40	38	60	39	130	40	2	1	600.4000	323,74

600/

HSS-E Slotting end mill, short, weldon, coated

Execution: Short model according to DIN 327, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B, with ALCRONA-PRO® coating.



DIN 327	DIN 1835-B	HSS E	N TYPE	30° HELIX		Z=2	
-------------------	----------------------	-----------------	------------------	---------------------	--	------------	--

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€/PU
2	4			48	6	2	1	600.0200C	34,74
3	5			49	6	2	1	600.0300C	31,84
4	7			51	6	2	1	600.0400C	31,84
5	8			52	6	2	1	600.0500C	31,84
6	8	16	5,5	52	6	2	1	600.0600C	32,01
7	10			54	8	2	1	600.0700C	39,47
8	11	19	7,5	55	8	2	1	600.0800C	36,14
9	11			61	10	2	1	600.0900C	42,54
10	13	23	9	63	10	2	1	600.1000C	39,64

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€/PU
12	16	28	11	73	12	2	1	600.1200C	47,58
14	16			73	12	2	1	600.1400C	61,33
15	19			79	16	2	1	600.1500C	70,71
16	19	31	15	79	16	2	1	600.1600C	71,93
18	19			79	16	2	1	600.1800C	83,26
20	22	38	19	88	20	2	1	600.2000C	88,62
25	26	46	24	102	25	2	1	600.2500C	150,72
30	26			102	25	2	1	600.3000C	213,07

HSS-E Slotting end mill set, in plastic case



Execution: Short model with 2 flutes according to DIN 327, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.

Description	Type	Coating	Content	pcs/PU	Item no.	€ / PU
6 pc set HSS-E slotting end mills	600	-	1x ø4, 5, 6, 8, 10 and 12mm	1	600.9412	119,98
10 pc set HSS-E slotting end mills	600	-	1x ø4, 5, 6, 8, 10, 12, 14, 16, 18 and 20mm	1	600.9420	273,73
6 pc set HSS-E slotting end mills	600C	AlCroNa PRO	1x ø4, 5, 6, 8, 10 and 12mm	1	600.9412C	199,19
10 pc set HSS-E slotting end mills	600C	AlCroNa PRO	1x ø4, 5, 6, 8, 10, 12, 14, 16, 18 and 20mm	1	600.9420C	464,76

602

HSS-E Slotting end mill, long, weldon

Execution: Long model according to DIN 844, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.

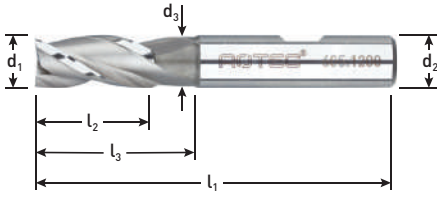


DIN 844	DIN 1835-B	HSS E	N TYPE	30° HELIX	 Z=2
-------------------	----------------------	-----------------	------------------	---------------------	--

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
2,5	56	8	6	2	1	602.0250	27,23
3	56	8	6	2	1	602.0300	27,23
4	63	11	6	2	1	602.0400	27,23
5	68	13	6	2	1	602.0500	27,23
6	68	13	6	2	1	602.0600	27,23
8	88	19	10	2	1	602.0800	29,46
10	95	22	10	2	1	602.1000	31,16
12	110	26	12	2	1	602.1200	37,22

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
14	110	26	12	2	1	602.1400	50,62
16	123	32	16	2	1	602.1600	54,74
18	123	32	16	2	1	602.1800	65,66
20	141	38	20	2	1	602.2000	81,07
22	141	38	20	2	1	602.2200	111,40
24	166	45	25	2	1	602.2400	143,94
25	166	45	25	2	1	602.2500	143,94

Execution: Short model according to DIN 844, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.



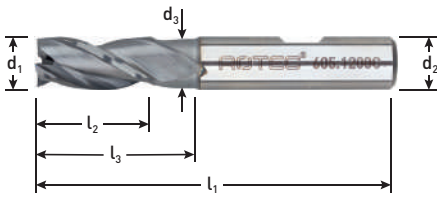
DIN 844	DIN 1835-B	HSS E	N TYPE	30° HELIX		Z=3
-------------------	----------------------	-----------------	------------------	---------------------	---	------------

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
1,5	7			51	6	3	1	605.0150	22,22
2	7			51	6	3	1	605.0200	20,99
2,5	8			52	6	3	1	605.0250	22,22
3	8			52	6	3	1	605.0300	20,17
3,5	10			54	6	3	1	605.0350	22,22
4	11			55	6	3	1	605.0400	20,17
4,5	13			57	6	3	1	605.0450	22,22
5	13			57	6	3	1	605.0500	20,17
5,5	13			57	6	3	1	605.0550	22,38
6	13	21	5,5	57	6	3	1	605.0600	20,17
6,5	16			60	8	3	1	605.0650	29,10
7	16			60	8	3	1	605.0700	24,81

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
8	19	33	7,5	69	8	3	1	605.0800	24,15
9	19			69	10	3	1	605.0900	28,25
10	22	32	9	72	10	3	1	605.1000	27,03
12	26	38	11	83	12	3	1	605.1200	31,02
14	26			83	12	3	1	605.1400	37,69
15	32			92	16	3	1	605.1500	46,18
16	32	44	15	92	16	3	1	605.1600	42,07
18	32			92	16	3	1	605.1800	52,51
20	38	54	19	104	20	3	1	605.2000	64,07
22	38			104	20	3	1	605.2200	71,63
24	45			121	25	3	1	605.2400	93,36
25	45	65	24	121	25	3	1	605.2500	93,36

HSS-E Universal end mill, short, weldon, coated

Execution: Short model according to DIN 844, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B, with ALCRONA-PRO® coating.



DIN 844	DIN 1835-B	HSS E	N TYPE	30° HELIX		
-------------------	----------------------	-----------------	------------------	---------------------	---	---

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
1,5	7			51	6	3	1	605.0150C	35,67
2	7			51	6	3	1	605.0200C	34,74
2,5	8			52	6	3	1	605.0250C	35,67
3	8			52	6	3	1	605.0300C	31,84
4	11			55	6	3	1	605.0400C	31,84
5	13			57	6	3	1	605.0500C	31,84
6	13	21	5,5	57	6	3	1	605.0600C	32,01
8	19	33	7,5	69	8	3	1	605.0800C	36,14

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
10	22	32	9	72	10	3	1	605.1000C	39,64
12	26	38	11	83	12	3	1	605.1200C	47,58
14	26			83	12	3	1	605.1400C	61,33
16	32	44	15	92	16	3	1	605.1600C	65,22
18	32			92	16	3	1	605.1800C	83,26
20	38	54	19	104	20	3	1	605.2000C	88,62
25	45	65	24	121	25	3	1	605.2500C	150,72

HSS-E Universal end mill set, in plastic case



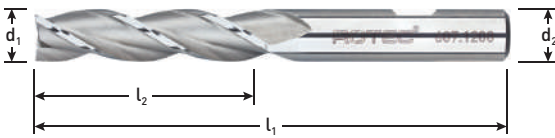
Execution: Short model with 3 flutes according to DIN 844, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.

Description	Type	Coating	Content	pcs/PU	Item no.	€ / PU
6 pc set HSS-E universal end mills	605	-	1x ø4, 5, 6, 8, 10 and 12mm	1	605.9412	136,64
10 pc set HSS-E universal end mills	605	-	1x ø4, 5, 6, 8, 10, 12, 14, 16, 18 and 20mm	1	605.9420	313,66
6 pc set HSS-E universal end mills	605C	AlCroNa PRO	1x ø4, 5, 6, 8, 10 and 12mm	1	605.9412C	201,98
10 pc set HSS-E universal end mills	605C	AlCroNa PRO	1x ø4, 5, 6, 8, 10, 12, 14, 16, 18 and 20mm	1	605.9420C	470,49

607

HSS-E Universal end mill, long, weldon

Execution: Long model according to DIN 844, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.

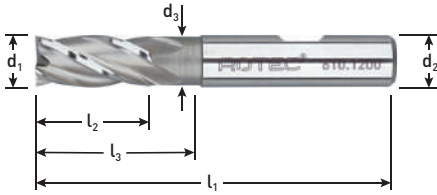


DIN 844	DIN 1835-B	HSS E	N TYPE	30° HELIX	 Z=3
-------------------	----------------------	-----------------	------------------	---------------------	--

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
2	54	10	6	3	1	607.0200	23,78
3	56	12	6	3	1	607.0300	23,78
4	63	19	6	3	1	607.0400	23,78
5	68	24	6	3	1	607.0500	23,78
6	68	24	6	3	1	607.0600	23,78
7	74	30	8	3	1	607.0700	32,07
8	82	38	8	3	1	607.0800	29,46
9	88	38	10	3	1	607.0900	36,85

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
10	95	45	10	3	1	607.1000	31,16
11	102	45	12	3	1	607.1100	41,03
12	110	53	12	3	1	607.1200	37,22
14	110	53	12	3	1	607.1400	50,62
16	123	63	16	3	1	607.1600	54,74
18	123	63	16	3	1	607.1800	65,66
20	141	75	20	3	1	607.2000	81,07

Execution: Short model according to DIN 844, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.



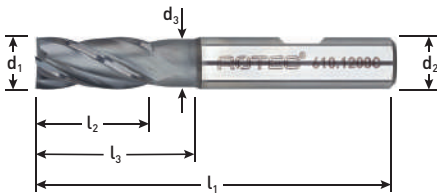
DIN 844	DIN 1835-B	HSS E	N TYPE	30° HELIX		Z≥4
-------------------	----------------------	-----------------	------------------	---------------------	---	------------

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€/PU
2	7			51	6	4	1	610.0200	22,75
3	8			52	6	4	1	610.0300	20,99
4	11			55	6	4	1	610.0400	20,99
5	13			57	6	4	1	610.0500	20,99
6	13	21	5,5	57	6	4	1	610.0600	21,37
7	16			60	8	4	1	610.0700	27,71
8	19	33	7,5	69	8	4	1	610.0800	26,21
9	19			69	10	4	1	610.0900	30,81
10	22	32	9	72	10	4	1	610.1000	29,46
11	22			79	12	4	1	610.1100	42,07
12	26	38	11	83	12	4	1	610.1200	33,40
13	26			83	12	4	1	610.1300	49,97
14	26			83	12	4	1	610.1400	41,50
15	32			92	16	4	1	610.1500	49,42

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€/PU
16	32	44	15	92	16	4	1	610.1600	46,34
17	32			92	16	4	1	610.1700	76,31
18	32			92	16	4	1	610.1800	58,20
19	38			104	20	4	1	610.1900	96,28
20	38	54	19	104	20	4	1	610.2000	70,06
22	38			104	20	5	1	610.2200	80,28
24	45			121	25	5	1	610.2400	102,32
25	45	65	24	121	25	5	1	610.2500	102,32
26	45			121	25	6	1	610.2600	120,88
28	45			121	25	6	1	610.2800	167,41
30	45			121	25	6	1	610.3000	189,92
32	53	73	31	133	32	6	1	610.3200	212,00
36	53			133	32	6	1	610.3600	271,21
40	63	85	39	155	40	6	1	610.4000	388,48

HSS-E End mill, short, weldon, coated

Execution: Short model according to DIN 844, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B, with ALCRONA-PRO® coating.



DIN 844	DIN 1835-B	HSS E	N TYPE	30° HELIX		Z≥4	
-------------------	----------------------	-----------------	------------------	---------------------	---	------------	---

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€/PU
2	7			51	6	4	1	610.0200C	41,30
3	8			52	6	4	1	610.0300C	37,22
4	11			55	6	4	1	610.0400C	37,22
5	13			57	6	4	1	610.0500C	37,22
6	13	21	5,5	57	6	4	1	610.0600C	37,50
8	19	33	7,5	69	8	4	1	610.0800C	41,30
10	22	32	9	72	10	4	1	610.1000C	43,94

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€/PU
12	26	38	11	83	12	4	1	610.1200C	48,67
14	26			83	12	4	1	610.1400C	67,23
16	32	44	15	92	16	4	1	610.1600C	70,44
18	32			92	16	4	1	610.1800C	91,03
20	38	54	19	104	20	4	1	610.2000C	97,06
25	45	65	24	121	25	5	1	610.2500C	155,70
30	45			121	25	6	1	610.3000C	225,93

HSS-E End mill set, in plastic case



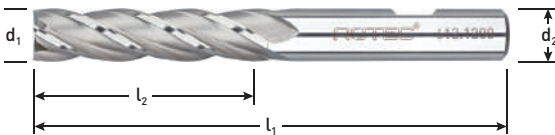
Execution: Short model with 4 flutes according to DIN 844, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.

Description	Type	Coating	Content	pcs/PU	Item no.	€ / PU
6 pc set HSS-E end mills	610	-	1x ø4, 5, 6, 8, 10 and 12mm	1	610.9412	141,42
10 pc set HSS-E end mills	610	-	1x ø4, 5, 6, 8, 10, 12, 14, 16, 18 and 20mm	1	610.9420	331,52
6 pc set HSS-E end mills	610C	AlCroNa PRO	1x ø4, 5, 6, 8, 10 and 12mm	1	610.9412C	220,22
10 pc set HSS-E end mills	610C	AlCroNa PRO	1x ø4, 5, 6, 8, 10, 12, 14, 16, 18 and 20mm	1	610.9420C	505,39

612

HSS-E End mill, long, weldon

Execution: Long model according to DIN 844, type N, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.

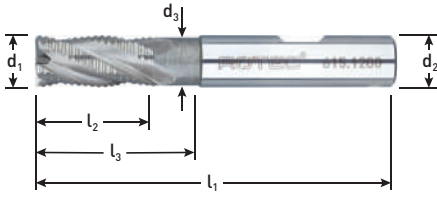


DIN 844	DIN 1835-B	HSS E	N TYPE	30° HELIX	 Z≥4
-------------------	----------------------	-----------------	------------------	---------------------	--

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
2	54	10	6	4	1	612.0200	25,16
3	56	12	6	4	1	612.0300	25,16
4	63	19	6	4	1	612.0400	25,16
5	68	24	6	4	1	612.0500	25,16
6	68	24	6	4	1	612.0600	25,16
7	74	30	8	4	1	612.0700	34,30
8	82	38	8	4	1	612.0800	31,81
9	88	38	10	4	1	612.0900	39,09
10	95	45	10	4	1	612.1000	34,30
11	102	45	12	4	1	612.1100	42,90
12	110	53	12	4	1	612.1200	39,75

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
14	110	53	12	4	1	612.1400	53,90
16	123	63	16	4	1	612.1600	58,56
18	123	63	16	4	1	612.1800	70,97
20	141	75	20	4	1	612.2000	86,27
22	141	75	20	5	1	612.2200	116,24
25	166	90	25	6	1	612.2500	148,58
30	166	90	25	6	1	612.3000	228,68
32	186	106	32	6	1	612.3200	274,48
36	186	106	32	6	1	612.3600	296,23
40	217	125	40	6	1	612.4000	538,61

Execution: Short model according to DIN 844, fine pitched roughing profile type HR, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.



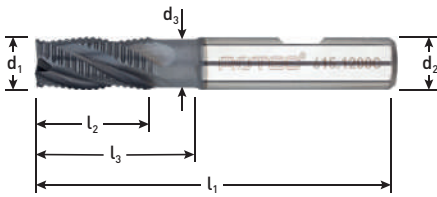
DIN 844	DIN 1835-B	HSS E	HR TYPE	30° HELIX	 Z≥4
-------------------	----------------------	-----------------	-------------------	---------------------	--

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
4	11			55	6	4	1	615.0400	42,18
5	13			57	6	4	1	615.0500	42,18
6	13	21	5,5	57	6	4	1	615.0600	35,65
7	16			60	8	4	1	615.0700	47,02
8	19	33	7,5	63	8	4	1	615.0800	40,65
9	19			69	10	4	1	615.0900	52,87
10	22	32	9	72	10	4	1	615.1000	41,70
11	22			79	12	4	1	615.1100	59,76
12	26	38	11	83	12	4	1	615.1200	47,02
13	26			83	12	4	1	615.1300	69,21
14	26			83	12	4	1	615.1400	55,98
15	32			92	16	4	1	615.1500	84,68

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
16	32	44	15	92	16	4	1	615.1600	60,99
18	32			92	16	4	1	615.1800	73,14
20	38	54	19	104	20	4	1	615.2000	89,71
22	38			104	20	4	1	615.2200	113,50
25	45	65	24	121	25	5	1	615.2500	142,42
26	45			121	25	6	1	615.2600	168,56
28	45			121	25	6	1	615.2800	168,56
30	45			121	25	6	1	615.3000	195,11
32	53	73	31	133	32	6	1	615.3200	206,66
36	53			133	32	6	1	615.3600	264,14
40	63	85	39	155	40	6	1	615.4000	387,44

HSS-E Roughing end mill, short, weldon, coated

Execution: Short model according to DIN 844, fine pitched roughing profile type HR, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B, with ALCRONA-PRO® coating.



DIN 844	DIN 1835-B	HSS E	HR TYPE	30° HELIX	 Z≥4	 ALCrN
-------------------	----------------------	-----------------	-------------------	---------------------	--	--

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
4	11			55	6	4	1	615.0400C	48,84
5	13			57	6	4	1	615.0500C	48,84
6	13	21	5,5	57	6	4	1	615.0600C	44,41
8	19	33	7,5	63	8	4	1	615.0800C	48,67
10	22	32	9	72	10	4	1	615.1000C	49,16
12	26	38	11	83	12	4	1	615.1200C	55,87

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
14	26			83	12	4	1	615.1400C	79,01
16	32	44	15	92	16	4	1	615.1600C	84,80
18	32			92	16	4	1	615.1800C	101,03
20	38	54	19	104	20	4	1	615.2000C	119,98
25	45	65	24	121	25	5	1	615.2500C	175,26
32	53	73	31	133	32	6	1	615.3200C	289,43

HSS-E Roughing end mill set, in plastic case

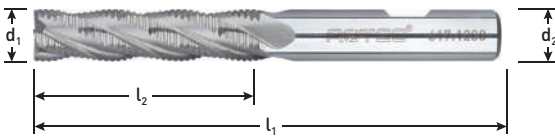


Execution: Short model with 4 flutes according to DIN 844, fine pitched roughing profile type HR, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.

Description	Type	Coating	Content	pcs/PU	Item no.	€ / PU
6 pc set HSS-E roughing end mills	615	-	1x ø4, 5, 6, 8, 10 and 12mm	1	615.9412	224,88
10 pc set HSS-E roughing end mills	615	-	1x ø4, 5, 6, 8, 10, 12, 14, 16, 18 and 20mm	1	615.9420	470,61
6 pc set HSS-E roughing end mills	615C	ALCroNa PRO	1x ø4, 5, 6, 8, 10 and 12mm	1	615.9412C	264,29
10 pc set HSS-E roughing end mills	615C	ALCroNa PRO	1x ø4, 5, 6, 8, 10, 12, 14, 16, 18 and 20mm	1	615.9420C	599,28

617 HSS-E Roughing end mill, long, weldon

Execution: Long model according to DIN 844, fine pitched roughing profile type HR, 30° helix angle, cylindrical shank with weldon according to DIN 1835-B.



DIN
844
DIN
1835-B
HSS
E
HR
TYPE
30°
HELIX
 Z≥4

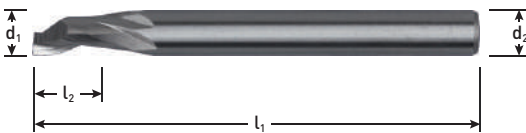
d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
6	68	24	6	4	1	617.0600	54,08
8	88	38	8	4	1	617.0800	57,18
10	95	45	10	4	1	617.1000	64,25
12	110	53	12	4	1	617.1200	74,59
16	123	63	16	4	1	617.1600	97,77
18	123	63	16	4	1	617.1800	118,46

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
20	141	75	20	4	1	617.2000	129,53
22	141	75	20	5	1	617.2200	146,24
25	166	90	25	5	1	617.2500	169,82
28	166	90	25	6	1	617.2800	247,99
30	166	90	25	6	1	617.3000	317,20

618 HSS-E Single fluted end mill

Execution: Single fluted end mills with cylindrical shank according to DIN 1835-A. Higher (sharper) cutting angle specifically for aluminium and plastics.

Application: Typically used in the plastic and aluminium working industry, for example for routing key-holes in aluminium door and window profiles.



DIN
1835-A
HSS
E
W
TYPE
30°
HELIX

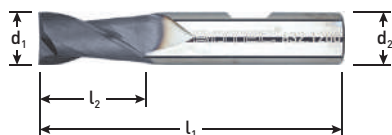
d ₁	l ₁	l ₂	d ₂	pcs/PU	Item no.	€ / PU
4,0	60	12	8,0	1	618.0402	33,09
5,0	60	12	8,0	1	618.0503	35,98
5,0	80	18/35	8,0	1	618.0510	48,95
6,0	60	14	8,0	1	618.0602	38,46
6,0	90	16	8,0	1	618.0603	50,94

d ₁	l ₁	l ₂	d ₂	pcs/PU	Item no.	€ / PU
8,0	80	14	8,0	1	618.0802	35,41
8,0	100	14/68	8,0	1	618.0804	67,58
10,0	80	14	8,0	1	618.1002	48,11
10,0	80	14	10,0	1	618.1004	48,11

632

Solid carbide slotting end mill, SILVER-LINE

Execution: Solid carbide slotting end mills, short model, cylindrical shank with weldon according to DIN 6535-HB, with TiAlN-coating.



DIN 6535-HB	VHM UF	N TYPE	30° HELIX		
				Z=2	TiAlN

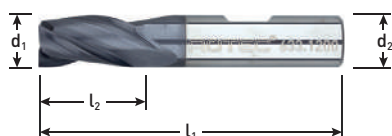
d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
1	50	5	6	2	1	632.0100	25,99
2	50	6	6	2	1	632.0200	25,99
3	50	6	6	2	1	632.0300	25,99
4	50	8	6	2	1	632.0400	25,99
5	50	8	6	2	1	632.0500	25,99
6	50	16	6	2	1	632.0600	29,22

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
8	60	20	8	2	1	632.0800	42,29
10	70	22	10	2	1	632.1000	58,62
12	70	22	12	2	1	632.1200	76,71
16	75	25	16	2	1	632.1600	128,01
20	100	32	20	2	1	632.2000	213,25

633

Solid carbide universal end mill, SILVER-LINE

Execution: Solid carbide universal end mills, short model, cylindrical shank with weldon according to DIN 6535-HB, with TiAlN-coating.



DIN 6535-HB	VHM UF	N TYPE	30° HELIX		
				Z=3	TiAlN

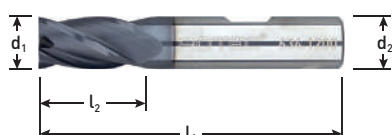
d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
1	50	5	6	3	1	633.0100	25,99
2	50	6	6	3	1	633.0200	25,99
3	50	6	6	3	1	633.0300	25,99
4	50	8	6	3	1	633.0400	25,99
5	50	8	6	3	1	633.0500	25,99
6	50	16	6	3	1	633.0600	29,22

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
8	60	20	8	3	1	633.0800	42,29
10	70	22	10	3	1	633.1000	58,62
12	70	22	12	3	1	633.1200	76,71
16	75	25	16	3	1	633.1600	128,01
20	100	32	20	3	1	633.2000	213,25

634

Solid carbide square end mill, short, coated, SILVER-LINE

Execution: Solid carbide square end mills, short model, cylindrical shank with weldon according to DIN 6535-HB, with TiAlN-coating.



DIN 6535-HB	VHM UF	N TYPE	30° HELIX		
				Z=4	TiAlN

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
1	50	5	6	4	1	634.0100	28,88
2	50	7	6	4	1	634.0200	28,88
3	50	8	6	4	1	634.0300	28,88
4	50	11	6	4	1	634.0400	28,88
5	50	13	6	4	1	634.0500	28,88
6	50	16	6	4	1	634.0600	32,47

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
8	60	20	8	4	1	634.0800	47,01
10	70	22	10	4	1	634.1000	65,13
12	70	22	12	4	1	634.1200	85,23
16	75	25	16	4	1	634.1600	142,24
20	100	32	20	4	1	634.2000	236,93

Solid carbide end mill set, in plastic case



Execution: Solid carbide square end mills, short model with 4 flutes, cylindrical shank with weldon according to DIN 6535-HB, with TiAlN-coating.

Description	Type	Coating	Content	pcs/PU	Item no.	€ / PU
6 pc set solid carbide end mills	634	TiAlN	1x ø4, 5, 6, 8, 10 and 12mm	1	634.9412	281,34

635

Solid carbide square end mill, long, coated, SILVER-LINE

Execution: Solid carbide square end mills, long model, cylindrical shank with weldon according to DIN 6535-HB, with TiAlN-coating.



DIN 6535-HB	VHM UF	N TYPE	30° HELIX	 Z=4	 TiAlN
-----------------------	------------------	------------------	---------------------	--	--

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
3	50	12	6	4	1	635.0300	26,63
4	50	15	6	4	1	635.0400	26,63
5	60	20	6	4	1	635.0500	35,76
6	60	20	6	4	1	635.0600	39,04
8	70	25	8	4	1	635.0800	48,79

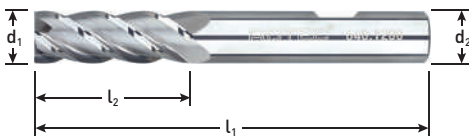
d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
10	90	30	10	4	1	635.1000	70,03
12	90	30	12	4	1	635.1200	93,24
16	110	50	16	4	1	635.1600	166,88
20	110	55	20	4	1	635.2000	245,55

640

Solid carbide end mill for non-ferrous metals, SILVER-LINE

Execution: Solid carbide end mills, cylindrical shank with weldon according to DIN 6535-HB. Special polished cutting geometry and an optimized helix angle (39°) for non-ferrous metals.

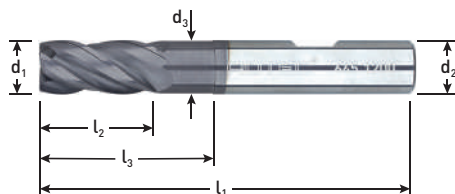
Application: Specific cutting geometry for non-ferrous metals such as aluminium and copper. The optimized helix angle ensures a smooth cut and a good chip evacuation.



DIN 6535-HB	VHM UF	W TYPE	39° HELIX	 Z=4
-----------------------	------------------	------------------	---------------------	--

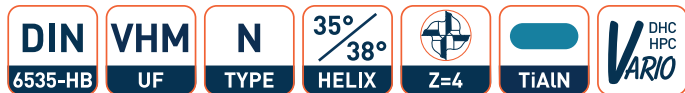
d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
4	62	8	6	4	1	640.0400	29,22
5	62	15	6	4	1	640.0500	32,47
6	62	18	6	4	1	640.0600	35,76
8	68	24	8	4	1	640.0800	48,79

d ₁	l ₁	l ₂	d ₂	Z	pcs/PU	Item no.	€ / PU
10	80	30	10	4	1	640.1000	61,84
12	93	36	12	4	1	640.1200	93,24
16	108	48	16	4	1	640.1600	166,88
20	126	60	20	4	1	640.2000	239,67



Execution: Solid carbide end mills, cylindrical shank with weldon according DIN 6535-HB. Special DHC (Double helix cutter) geometry for high performance cutting (HPC) applications. Differential helixes (2 flutes with 35° and 2 flutes with 38°) and a TiAlN-coating for more tool life.

Application: The double helix design ensures a smooth and nearly vibration free cut allowing machining at very high metal removal rates and yet realising an excellent surface finish on the machined workpieces.



d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
3	11	21	2,6	57	6	4	1	645.0300	52,98
4	11	21	3,6	57	6	4	1	645.0400	52,98
5	13	21	4,6	57	6	4	1	645.0500	52,98
6	13	21	5,5	57	6	4	1	645.0600	58,08
8	19	27	7,5	63	8	4	1	645.0800	79,82
10	22	32	9,5	72	10	4	1	645.1000	101,42

d ₁	l ₂	l ₃	d ₃	l ₁	d ₂	Z	pcs/PU	Item no.	€ / PU
12	26	38	11,5	83	12	4	1	645.1200	141,55
14	26	42	13,5	83	14	4	1	645.1400	177,62
16	32	44	15,5	92	16	4	1	645.1600	214,26
18	32	50	17,5	92	18	4	1	645.1800	257,96
20	38	54	19,5	104	20	4	1	645.2000	331,99

Solid carbide end mill set 'VARIO', in plastic case



Execution: Solid carbide square end mills, 4 flutes, cylindrical shank with weldon according DIN 6535-HB. Special DHC (Double helix cutter) geometry for high performance cutting (HPC) applications. Differential helixes (2 flutes with 35° and 2 flutes with 38°) and a TiAlN-coating for more tool life.

Application: The double helix design ensures a smooth and nearly vibration free cut allowing machining at very high metal removal rates and yet realising an excellent surface finish on the machined workpieces.

Description	Type	Coating	Content	pcs/PU	Item no.	€ / PU
4 pc set solid carbide end mills 'VARIO'	645	TiAlN	1x ø6, 8, 10 and 12mm	1	645.9612	366,09
6 pc set solid carbide end mills 'VARIO'	645	TiAlN	1x ø4, 5, 6, 8, 10 and 12mm	1	645.9412	468,96

