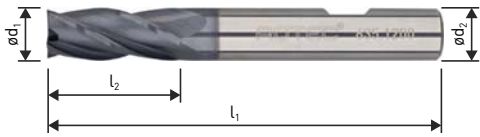


635

Solid carbide square end mills, long, coated, Silver-Line



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

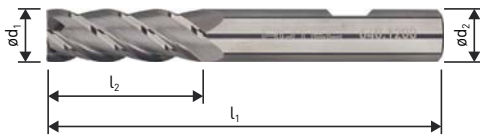


$\varnothing d_1$	l_2	l_1	$\varnothing d_2$	Z	Item nr.	€ / pc
3	12	50	6	4	635.0300	19,79
4	15	50	6	4	635.0400	19,79
5	20	60	6	4	635.0500	26,60
6	20	60	6	4	635.0600	29,03
8	25	70	8	4	635.0800	36,33

$\varnothing d_1$	l_2	l_1	$\varnothing d_2$	Z	Item nr.	€ / pc
10	30	90	10	4	635.1000	52,09
12	30	90	12	4	635.1200	69,34
16	50	110	16	4	635.1600	124,11
20	55	110	20	4	635.2000	182,65

640

Solid carbide end mills 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.

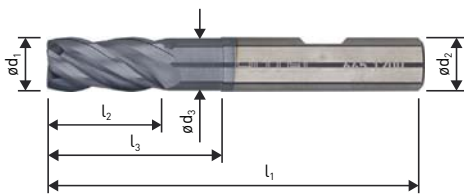


$\varnothing d_1$	l_2	l_1	$\varnothing d_2$	Z	Item nr.	€ / pc
4	15	50	6	4	640.0400	21,72
5	20	60	6	4	640.0500	24,18
6	20	60	6	4	640.0600	26,60
8	25	70	8	4	640.0800	36,33

$\varnothing d_1$	l_2	l_1	$\varnothing d_2$	Z	Item nr.	€ / pc
10	30	90	10	4	640.1000	46,02
12	30	90	12	4	640.1200	69,34
16	50	110	16	4	640.1600	124,11
20	55	110	20	4	640.2000	178,29

645

Solid carbide Vario end mills, Silver-Line



Execution: Solid carbide end mills, cylindrical shank with weldon according to DIN 6535-HB. Special DHC (Double helix cutter) geometry for high performance cutting (HPC) applications. Differential helices (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.



$\varnothing d_1$	l_2	l_3	$\varnothing d_3$	l_1	$\varnothing d_2$	Z	Item nr.	€ / pc
3	11	21	2,6	57	6	4	645.0300	37,44
4	11	21	3,6	57	6	4	645.0400	37,44
5	13	21	4,6	57	6	4	645.0500	37,44
6	13	21	5,5	57	6	4	645.0600	41,02
8	19	27	7,5	63	8	4	645.0800	56,40
10	22	32	9,5	72	10	4	645.1000	71,66

$\varnothing d_1$	l_2	l_3	$\varnothing d_3$	l_1	$\varnothing d_2$	Z	Item nr.	€ / pc
12	26	38	11,5	83	12	4	645.1200	99,98
14	26	42	13,5	83	14	4	645.1400	125,50
16	32	44	15,5	92	16	4	645.1600	151,38
18	32	50	17,5	92	18	4	645.1800	182,29
20	38	54	19,5	104	20	4	645.2000	234,60