

BENEFIT FROM THE ADVANTAGES OF DATRON'S BALANCED SINGLE FLUTE END MILLS

Reduced costs and increased efficiency

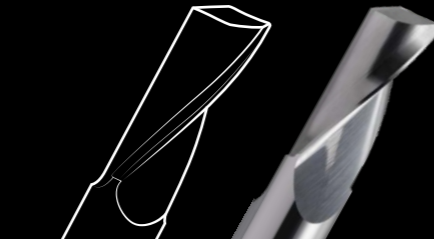


	Standard End Mill	DATRON End Mill	
Material removal rate*			
End mill diameter	8.00	8.00	mm
Number of flutes	1	1	z
Cutting speed	603	855	m/min
Speed	24,000	34,000	1/min
Tooth feed	0.16	0.18	mm
Feed speed	3840	6120	mm/min
Cutting depth	1.50	2.00	mm
Cutting width	8.00	8.00	mm
Material removal rate	46.08	97.92	cm ³ /min

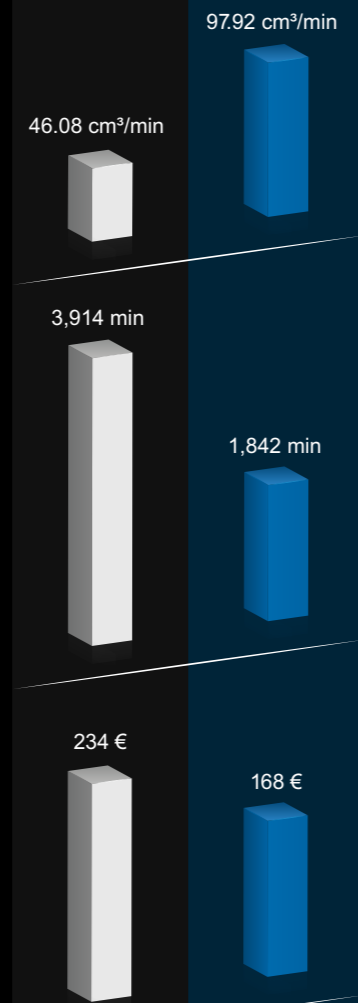
	Standard End Mill	DATRON End Mill	
Total running time*			
Total number of units/component	560	560	pcs.
Machining volumes/piece	322	322	cm ³
Total volume	180,320	180,320	cm ³
Machining time/piece	6.99	3.29	min
Total running time	3.914	1.842	min

	Standard End Mill	DATRON End Mill	
Tool Costs*			
Durability of the tool	438	492	min
Tool requirements	9	4	pcs
Cost per tool	26	42	€
Tool Costs	234	168	€

* Data collection through testing with DATRON CNC milling machines under laboratory conditions



Standard End Mill	DATRON End Mill
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Tools Consultancy: +46 (0)40-536616 / +46-(0)40-536615



Or by Fax: +46 (0)40-536610

Please take into account our "Safety requirements when operating the machine". They can be requested from DATRON or viewed online at www.safety.datron.de.

The information in this brochure includes current descriptions and/or performance features that may change due to the ongoing development of our products. Descriptions and performance features are only binding if expressly agreed on in writing upon conclusion of the contract.

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DATRON
Smart Manufacturing Solutions

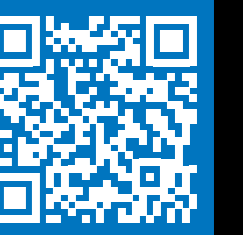
THE 4-IN-1 SINGLE FLUTE END MILL

Balanced. Wiper flat. Twice polished.

- + Extended spindle life
- + Excellent surfaces
- + Reduced machining cycles
- + Lower tool cost



Our standard of work in video



Due to the polished chip space and the polished flute in conjunction with a counter-balanced cut, our new-balanced single flute end mill allows even higher infeed and feed rates compared to standard single flute end mills.

Thus you save valuable working time and simultaneously benefit from lower production costs.

YOUR PRODUCT ADVANTAGES AT A GLANCE

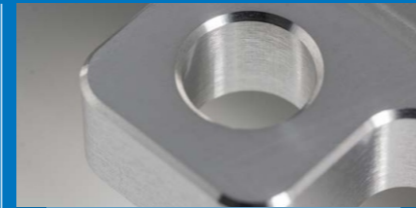
Wiper flat for excellent floor surfaces

Optimised and polished chip channel for fast and efficient chip removal

Polished end mill for excellent surface quality

Patented balanced tool tip for maximum smoothness and low-vibration work

DRILLING



Special nose cut allows dipping into solid materials and high Z-feeds during helix machining.

WALL SURFACE



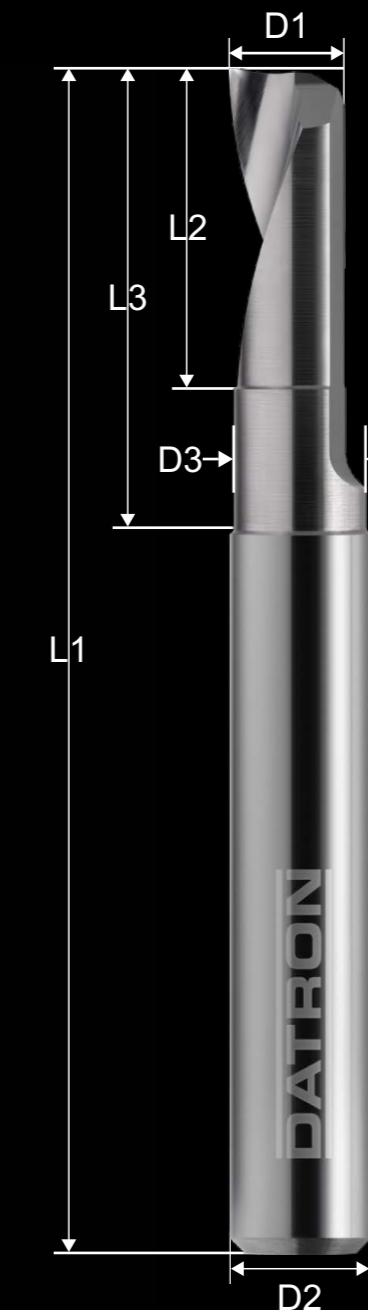
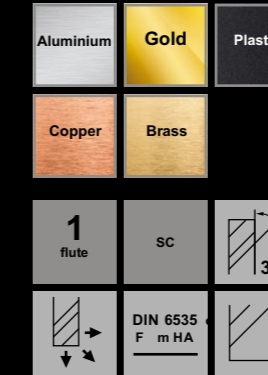
Polished chip channel and optimised balanced cut to achieve optimal results on the wall surface.

FLOOR AREA



The new nose geometry allows an optimal floor surface with low roughness values.

A SOLUTION WITH MORE THAN 30 VARIANTS



Art. No.	D1	D2	D3	L1	L2	L3
950006 8803A	3	6	x	40	5	5
950006 8803K	3	6	x	45	9	9
950006 8803E	3	6	2.8	50	9	13
950006 8803L	3	6	2.8	50	9	16
950006 8803X	3	6	x	50	13	13
950006 8804A	4	6	x	40	5	5
950006 8804K	4	6	x	45	9	9
950006 8804E	4	6	3.7	50	9	16
950006 8804L	4	6	3.7	55	9	21
950006 8804X	4	6	x	50	16	16
950006 8805A	5	6	x	40	7	7
950006 8805K	5	6	x	45	11	11
950006 8805E	5	6	4.6	55	11	21
950006 8805L	5	6	4.6	60	11	26
950006 8805X	5	6	x	50	16	16
950006 8806A	6	6	x	40	7	7
950006 8806K	6	6	x	45	13	13
950006 8806E	6	6	5.5	60	13	26
950006 8806L	6	6	5.5	65	13	31
950006 8806X	6	6	x	55	21	21
950006 8808A	8	8	x	45	9	9
950006 8808K	8	8	x	50	17	17
950006 8808E	8	8	7.4	65	17	31
950006 8808L	8	8	7.4	75	17	41
950006 8808X	8	8	x	60	26	26
950006 8810A	10	10	x	45	11	11
950006 8810K	10	10	x	55	21	21
950006 8810E	10	10	9.2	75	21	41
950006 8810L	10	10	9.2	85	21	51
950006 8810X	10	10	x	65	32	32
950006 8812A	12	12	x	50	14	14
950006 8812K	12	12	x	60	26	26
950006 8812E	12	12	11	85	26	51
950006 8812L	12	12	11	95	26	61
950006 8812X	12	12	x	70	36	36

Patented multi-talent: Indispensable for your cost-effective production

- + The patented balanced tool tip reduces vibrations, thus protects the spindle of your milling machine
- + High balancing quality for maximum speed
- + Best possible surface roughness (<1Rz) thanks to optimal nose geometry
- + Polished chip chamber for fast chip removal and lower spindle load
- + Polished flute for long durability and fewer tool changes
- + Innovative grinding technology for excellent machining results in full and partial cuts