

DATRON Double Flute End Mill

DATRON double flute end mills are available in special models.
With extra short cutting edge, toric cut, or stepped.
New DATRON products: coated micro-tools for steel machining with extra short flutes.



Gold

Silver

Steel

Copper

Wood

Brass

Plastic

Aluminium

DATRON Double Flute End Mill, 3 mm Shank

Aluminium	Plastic
Brass	Copper
Gold	
2 flutes	Micro Grain
	
DIN 6535 Form HA	



- Micrograin solid carbide end mill
- with double flute and flat bottom
- 30° upcut spiral
- shank without clamping surface DIN 6535-HA

Compared to tools of a standard flute length, the tools with a specially short flute (Article Nos "K") are much more robust and have a longer tool life.

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	DG
00680010	0.1	3.0	40.0	0.2	2
00680020	0.2	3.0	40.0	0.4	2
00680025	0.25	3.0	40.0	0.4	2
0068003	0.3	3.0	40.0	0.9	2
0068004K	0.4	3.0	40.0	0.6	2
0068004	0.4	3.0	40.0	2.5	2
0068604	0.4	3.175	38.0	2.5	2
0068005K	0.5	3.0	40.0	1.0	2
0068005	0.5	3.0	40.0	2.5	2
0068605	0.5	3.175	38.0	3.0	2
0068006K	0.6	3.0	40.0	1.0	2
0068006	0.6	3.0	40.0	3.0	1
0068606	0.6	3.175	40.0	3.0	1
0068008	0.8	3.0	40.0	4.0	1
0068608	0.8	3.175	40.0	5.0	1
0068009	0.9	3.0	40.0	5.0	1
0068609	0.9	3.175	40.0	5.0	1

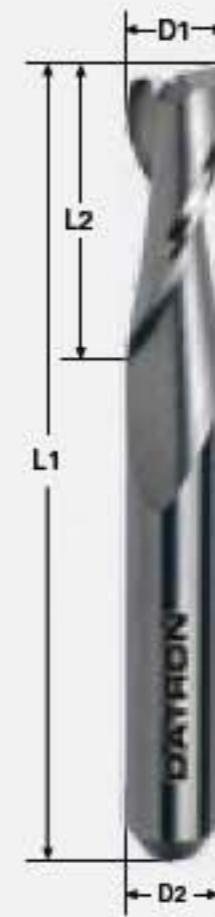
Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	DG
0068010S	1.0	3.0	40.0	2.3	1
0068010K	1.0	3.0	40.0	3.0	1
0068010	1.0	3.0	40.0	5.0	1
0068010L	1.0	3.0	40.0	8.0	2
0068610K	1.0	3.175	40.0	3.0	1
0068610	1.0	3.175	40.0	4.0	1
0068012S	1.2	3.0	38.0	2.3	1
0068012	1.2	3.0	40.0	5.0	1
0068613	1.3	3.175	38.0	5.0	1
0068612	1.2	3.175	40.0	5.0	1
0068015	1.5	3.0	40.0	5.0	1
0068615	1.5	3.175	40.0	6.0	1
0068015S	1.5	3.0	38.0	10.0	2
0068016	1.6	3.0	38.0	6.0	1
0068616	1.6	3.175	38.0	6.0	1
0068617	1.7	3.175	38.0	6.0	1

DG = Discount Group

DATRON Double Flute End Mill, 3 mm Shank

- Micrograin solid carbide end mill
- with double flute and flat bottom
- 30° upcut spiral
- shank without clamping surface DIN 6535-HA

Compared to tools of a standard flute length, the tools with a specially short flute (Article Nos "K") are much more robust and have a longer tool life.



Alu- minium	Plastic
Brass	Copper
Gold	
2 flutes	Micro Grain
 30°	
DIN 6535 Form HA	

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	DG
0068618	1.8	3.175	38.0	6.0	1
0068020K	2.0	3.0	40.0	4.0	1
0068020	2.0	3.0	40.0	9.0	1
0068620K	2.0	3.175	40.0	4.0	1
0068620	2.0	3.175	40.0	8.0	1
0068024K	2.4	3.0	40.0	5.0	1
0068024	2.4	3.0	40.0	8.0	1
0068624K	2.4	3.175	40.0	5.0	1
0068624	2.4	3.175	40.0	8.0	1
0068030K	3.0	3.0	40.0	6.0	1
0068030A	3.0	3.0	40.0	10.0	1
0068030L	3.0	3.0	40.0	12.0	2
0068030X	3.0	3.0	60.0	25.0	2
0068630K	3.0	3.175	40.0	6.0	1
0068630	3.0	3.175	40.0	10.0	1

DG = Discount Group

DATRON Double Flute End Mill, 6 mm Shank

Aluminium	Plastic
Brass	Copper
Gold	
2 flutes	Micro Grain
	
DIN 6535 Form HA	



- Micrograin solid carbide end mill
- with double flute and flat bottom
- 30° upcut spiral
- shank without clamping surface DIN 6535-HA

Compared to tools of a standard flute length, the tools with a specially short flute (Article Nos "K") are much more robust and have a longer tool life.

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	DG
0068430K	3.0	6.0	40.0	6.0	2
0068430	3.0	6.0	50.0	7.0	2
0068430G	3.0	6.0	50.0	11.0	2
0068434K	4.0	6.0	40.0	6.0	2
0068434	4.0	6.0	50.0	8.0	2
0068435K	5.0	6.0	40.0	6.0	2
0068435A	5.0	6.0	50.0	8.0	2
0068435	5.0	6.0	50.0	10.0	2
0068460Y	6.0	6.0	40.0	6.0	2
0068460K	6.0	6.0	50.0	10.0	2
0068460	6.0	6.0	50.0	18.0	2
0068460G	6.0	6.0	60.0	20.0	2
0068460X	6.0	6.0	75.0	30.0	2
0068460W	6.0	6.0	75.0	40.0	2
0068460Z	6.0	6.0	100.0	40.0	2
0068081L	8.0	8.0	60.0	32.0	2
0068081	8.0	8.0	63.0	16.0	2
0068082	8.0	8.0	100.0	40.0	2
0068100	10.0	10.0	40.0	10.0	2
0068100A	10.0	10.0	72.0	25.0	2

DG = Discount Group

DATRON Double Flute End Mill with Edge Radius

- Micrograin solid carbide end mill
- with double flute and flat bottom
- edge radius
- 30° upcut spiral
- shank without clamping surface DIN 6535-HA

This tool has an edge radius, which increases the tool life.
Models with toric cut have a large useable depth.



Alu- minium	Plastic
Brass	Copper
Gold	
2 flutes	Micro Grain
 30°	
DIN 6535 Form HA	

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	R (mm)	DG
0068460S	6.0	6.0	50.0	6.0	0.5	2
0068080K	8.0	8.0	50.0	12.0	1.0	2
0068442	12.0	6.0	50.0	6.0	0.5	2
0068443	14.0	8.0	50.0	6.0	0.5	2
0068444	20.0	8.0	50.0	8.0	0.5	2
0068442S	Regrind service up to 12 mm					
0068443S	Regrind service up to 20 mm					

DG = Discount Group

DATRON Double Flute End Mill with Edge Radius

Aluminium	Plastic
Brass	Copper
Gold	
2 flutes	Micro Grain
	
DIN 6535 Form HA	



- Micrograin solid carbide end mill
- with double flute and flat bottom
- edge radius
- 25° upcut spiral
- shank without clamping surface DIN 6535-HA

This tool has an edge radius, which increases the tool life. Models with toric cut have a large useable depth.

Art. No.	D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	CT	R (mm)	DG
00781043	3.0	3.0	2.7	50.0	4.0	14.0	x	0.3	2
00781063	3.0	3.0	2.7	50.0	4.0	14.0	x	1.0	2
00781044	4.0	4.0	3.7	50.0	5.0	16.0	x	0.4	2
00781064	4.0	4.0	3.7	50.0	5.0	16.0	x	1.0	2
00781045	5.0	5.0	4.6	54.0	6.0	18.0	x	0.5	2
00781065	5.0	5.0	4.6	54.0	6.0	18.0	x	1.0	2
0068460F	6.0	6.0	5.8	50.0	7.0	21.0		1.0	2
00781046	6.0	6.0	5.5	58.0	7.0	21.0	x	0.5	2
00781066	6.0	6.0	5.5	58.0	7.0	21.0	x	1.0	2
0068080	8.0	8.0	7.8	60.0	9.0	23.0		1.0	2
00781048	8.0	8.0	7.4	63.0	9.0	27.0	x	0.5	2
00781068	8.0	8.0	7.4	63.0	9.0	27.0	x	1.0	2
00781050	10.0	10.0	9.2	72.0	11.0	32.0	x	0.5	2
00781070	10.0	10.0	9.2	72.0	11.0	32.0	x	1.0	2

DG = Discount Group CT = Alcrona Coating

DATRON Double Flute End Mill, Stepped

- Micrograin solid carbide end mill
- with double flute and flat bottom
- 30° upcut spiral
- shank without clamping surface DIN 6535-HA

With stepped double flute end mills, the cutting edge diameter is considerably larger than the shaft diameter. This tool is ideally suited for milling over. With high feed rates and low infeed, large surfaces can be milled over in a short time. Due to the sharp-edged corners, it is also possible to perform contour machining.



Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	DG
0078806	6.0	6.0	60.0	10.0	2
0068441	8.0	6.0	50.0	10.0	2
0078808	8.0	8.0	60.0	10.0	2
0078808R	8.0	8.0	60.0	12.0	2
0068440	10.0	6.0	50.0	10.0	2
0078810	10.0	10.0	50.0	10.0	2
0078810L	10.0	10.0	70.0	35.0	2
0068083	10.0	10.0	100.0	40.0	2
0068442G	12.0	6.0	50.0	6.0	2
0078812A	12.0	10.0	50.0	10.0	2
0078812	12.0	12.0	50.0	10.0	2
0078812L	12.0	12.0	50.0	20.0	2
0078812B	12.0	12.0	70.0	30.0	2
0068442A	14.0	6.0	50.0	6.0	2

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	DG
0068443G	14.0	8.0	50.0	6.0	2
0078814A	14.0	10.0	50.0	10.0	2
0078814	14.0	12.0	50.0	10.0	2
0078816A	16.0	10.0	50.0	10.0	2
0078816B	16.0	10.0	50.0	6.0	2
0078816C	16.0	10.0	125.0	10.0	2
0078816	16.0	12.0	50.0	10.0	2
0078818A	18.0	10.0	50.0	10.0	2
0078818B	18.0	10.0	125.0	10.0	2
0078818	18.0	12.0	50.0	10.0	2
0068444G	20.0	8.0	50.0	8.0	2
0078820A	20.0	10.0	50.0	10.0	2
0078820	20.0	12.0	50.0	10.0	2

DG = Discount Group

DATRON Double Flute End Mill with Toric Cut

Aluminium	Plastic
Brass	Copper
Gold	
2 flutes	Micro Grain
	
DIN 6535 Form HA	



- Micrograin solid carbide end mill
- with two flutes and flat bottom
- 30° upcut spiral
- shank without clamping surface DIN 6535-HA
- toric cut

The shank's toric cut permits deeper machining.

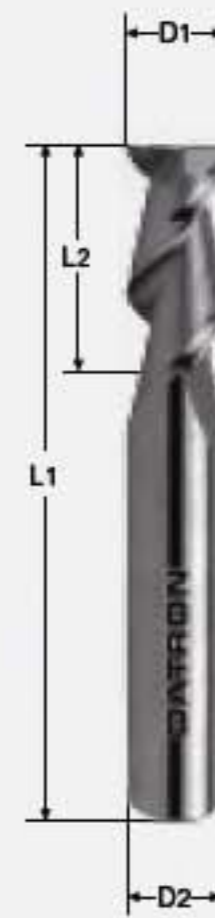
Art. No.	D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	DG
00781005	0.5	3.0	0.45	40.0	0.75	4.0	2
00781006	0.6	3.0	0.55	40.0	0.90	4.0	2
00781007	0.7	3.0	0.65	40.0	1.05	4.0	2
00781008	0.8	3.0	0.75	40.0	1.20	6.0	2
00781009	0.9	3.0	0.85	40.0	1.30	6.0	2
00781010	1.0	3.0	0.95	40.0	1.50	6.0	2
00781011	1.0	3.0	0.95	40.0	1.50	9.0	2
00781012	1.2	3.0	1.15	40.0	1.80	9.0	2
00781015	1.5	3.0	1.45	40.0	2.2	9.0	2
00781020	2.0	3.0	1.95	40.0	3.0	12.0	2
00781034	4.0	6.0	3.80	50.0	8.0	16.0	2
00781035	6.0	6.0	5.60	125.0	20	105.0	for Rigid Foam 2
00781036	6.0	6.0	5.70	60.0	20.0	33.0	2
00781001	10.0	10.0	9.40	125.0	20.0	105.0	for Rigid Foam 2

DG = Discount Group

DATRON Double Flute End Mill, Contour Milling

- Micrograin solid carbide end mill
- with two flutes and flat bottom
- 45° upcut spiral
- shank without clamping surface DIN 6535-HA

Thanks to the 45° upcut spiral these tools are specially suited for the machining of contours.



Alu-minium	Plastic
Brass	Copper
Gold	
2 flutes	Micro Grain
45°	
DIN 6535 Form HA	

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	DG
0068033	3.0	6.0	57.0	8.0	2
0068034	4.0	6.0	57.0	11.0	2
0068035	5.0	6.0	57.0	13.0	2
0068036	6.0	6.0	57.0	13.0	2
0068040	8.0	8.0	60.0	20.0	2
0068041	8.0	8.0	60.0	25.0	2
0068042	10.0	10.0	70.0	25.0	2
0068043	12.0	12.0	70.0	25.0	2

DG = Discount Group

DATRON Double Flute End Mill, HSC+

Alu- minium	Plastic
Brass	Copper
2 flutes	Micro Grain
 15°	
DIN 6535 Form HA	



- Micrograin solid carbide end mill
- with double flute and flat bottom
- 15° upcut spiral
- shank without clamping surface DIN 6535-HA

The special feature of this mill is the steep upcut angle. The chips are removed very quickly from the work piece. In many cases this results in extremely high feed rates.

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	DG DG
0068815A	1.5	3.0	40.0	6.0	2
0068815	1.5	3.175	40.0	6.0	2
0068866	1.9	6.0	50.0	6.0	2
0068820A	2.0	3.0	40.0	6.0	2
0068820	2.0	3.175	40.0	6.0	2
0068862K	2.0	6.0	50.0	4.0	2
0068862	2.0	6.0	50.0	6.0	2
0068824	2.4	3.175	40.0	8.0	2
0068867	2.4	6.0	50.0	5.0	2

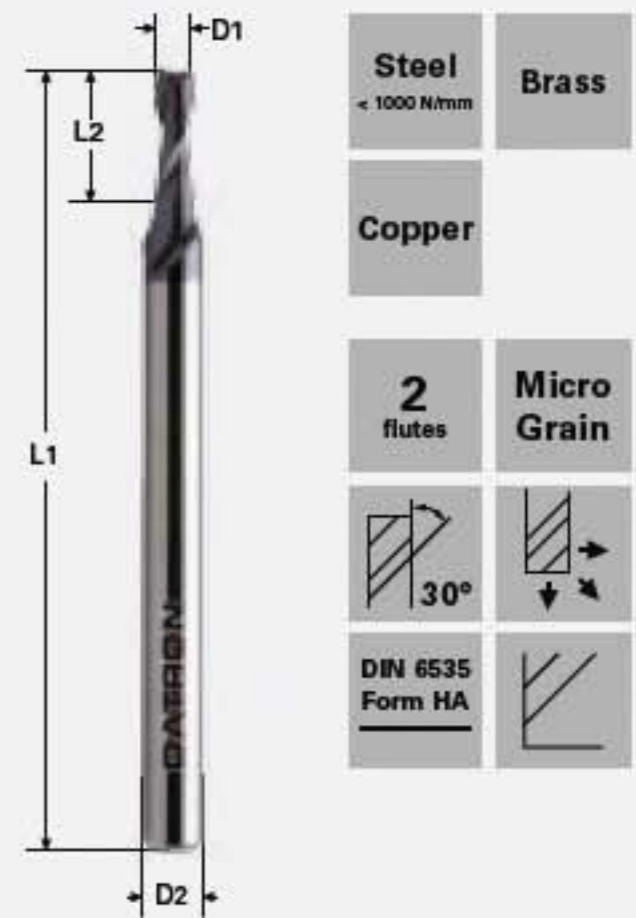
Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	DG DG
0068830A	3.0	3.0	40.0	10.0	2
0068830K	3.0	3.175	40.0	6.0	2
0068830	3.0	3.175	40.0	10.0	2
0068863K	3.0	6.0	50.0	6.0	2
0068863	3.0	6.0	50.0	10.0	2
0068864	4.0	6.0	50.0	8.0	2
0068865	5.0	6.0	50.0	10.0	2
0068860K	6.0	6.0	50.0	7.0	2
0068860	6.0	6.0	50.0	12.0	2

DG = Discount Group

DATRON Double Flute End Mill for Steel Machining

- Micrograin solid carbide end mill
- with double flute and flat bottom
- 30° upcut spiral
- shank without clamping surface DIN 6535-HA

The cutting geometry of these micro tools is designed for Steel machining. In combination with the standard X.CEED coating, these tools have a high tool life and provide excellent surface quality.



Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078009K	0.9	3.0	38.0	1.8	x	2
0078010K	1.0	3.0	38.0	2.0	x	2
0078011K	1.1	3.0	38.0	2.2	x	2
0078012K	1.2	3.0	38.0	2.4	x	2
0078013K	1.3	3.0	38.0	2.6	x	2
0078014K	1.4	3.0	38.0	2.8	x	2
0078015K	1.5	3.0	38.0	3.0	x	2
0078016K	1.6	3.0	38.0	3.2	x	2
0078017K	1.7	3.0	38.0	3.4	x	2
0078018K	1.8	3.0	38.0	3.6	x	2
0078019K	1.9	3.0	38.0	4.0	x	2
0078020K	2.0	3.0	38.0	6.0	x	2
0078025K	2.5	3.0	38.0	7.0	x	2

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078009S	0.9	3.0	38.0	1.1	x	2
0078010S	1.0	3.0	38.0	1.2	x	2
0078011S	1.1	3.0	38.0	1.2	x	2
0078012S	1.2	3.0	38.0	1.2	x	2
0078013S	1.3	3.0	38.0	1.2	x	2
0078014S	1.4	3.0	38.0	1.4	x	2
0078015S	1.5	3.0	38.0	1.4	x	2
0078016S	1.6	3.0	38.0	1.4	x	2
0078017S	1.7	3.0	38.0	1.4	x	2
0078018S	1.8	3.0	38.0	1.5	x	2
0078019S	1.9	3.0	38.0	1.5	x	2
0078020S	2.0	3.0	38.0	1.8	x	2
0078025S	2.5	3.0	38.0	2.0	x	2

DG = Discount Group CT = X.CEED Coating