

DATRON Three, Four, Six, Eight and Twelve Flute End Mill

Whether with three, four, six, eight or twelve cutting edges – all DATRON tools developed for Steel machining have a stable cutting geometry and heavy-duty coatings.



Copper

Brass

Steel

DATRON Triple Flute End Mill



- Micrograin solid carbide end mill
- with three flutes
- 30° upcut spiral
- shank without clamping surface DIN 6535-HA

This SC end mill has a very short flute length and a special coating, which results in a very long tool life.

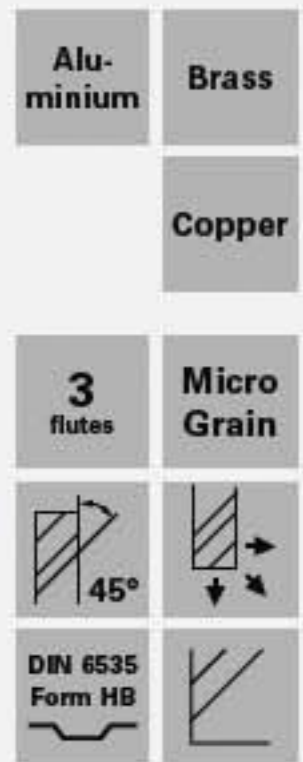
Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0068551	1.75	3.0	40.0	3.0	x	2
0068552	2.0	6.0	50.0	6.0	x	2
0068553	3.0	6.0	50.0	6.0	x	2
0068554	4.0	6.0	50.0	8.0	x	2
0068555	5.0	6.0	50.0	10.0	x	2
0068556	6.0	6.0	50.0	10.0	x	2

DG = Discount Group CT = X.CEED Coating

DATRON Triple Flute End Mill with Toric Cut

- Micrograin solid carbide end mill
- with three flutes and flat bottom
- 45° upcut spiral
- shank with clamping surface DIN 6535-HB
- centre cut with one long flute

Thanks to the toric cut these tools are specially suited for the machining without interfering contour.



Art. No.	D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	DG
0068033A	3.0	6.0	2.8	58.0	8.0	12.00	2
0068034A	4.0	6.0	3.8	58.0	11.0	16.00	2
0068035A	5.0	6.0	4.8	58.0	13.0	19.00	2
0068036A	6.0	6.0	5.7	58.0	13.0	19.00	2
0068040A	8.0	8.0	7.8	63.0	19.0	27.00	2
0068042A	10.0	10.0	9.8	72.0	22.0	32.00	2
0068043A	12.0	12.0	11.8	83.0	26.0	38.00	2

DG = Discount Group

DATRON Four Flute End Mill, short version



- Micrograin solid carbide end mill
- with four flutes
- 30° upcut spiral
- shank with clamping surface DIN 6535-HB
- centre cut

This SC end mill has a very short flute length and a special coating, which results in a very long tool life.

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078402	2.0	6.0	50.0	7.0	x	2
00784025	2.5	6.0	50.0	8.0	x	2
0078403	3.0	6.0	58.0	8.0	x	2
00784035	3.5	6.0	58.0	10.0	x	2
0078404	4.0	6.0	58.0	11.0	x	2
00784045	4.5	6.0	58.0	11.0	x	2
0078405	5.0	6.0	58.0	13.0	x	2
00784055	5.5	6.0	58.0	13.0	x	2
0078406	6.0	6.0	58.0	13.0	x	2
00784065	6.5	8.0	63.0	16.0	x	2

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078407	7.0	8.0	63.0	16.0	x	2
0078408	8.0	8.0	63.0	18.0	x	2
0078409	9.0	10.0	72.0	19.0	x	2
0078410	10.0	10.0	72.0	22.0	x	2
0078412	12.0	12.0	83.0	26.0	x	2
0078414	14.0	14.0	83.0	26.0	x	2
0078416	16.0	16.0	92.0	32.0	x	2
0078418	18.0	18.0	92.0	32.0	x	2
0078420	20.0	20.0	104.0	38.0	x	2

DG = Discount Group CT = Alcrona Coating

DATRON DATRON Four Flute End Mill, long version

- Micrograin solid carbide end mill
- with four flutes
- 30° upcut spiral
- shank with clamping surface DIN 6535-HB
- centre cut with two long front side flutes

Thanks to the long flute length thick materials can be very well machined. As a standard, these tools are supplied with an Alcrona coating.



Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078403A	3.0	6.0	57.0	19.0	x	2
0078404A	4.0	6.0	57.0	19.0	x	2
0078404B	4.0	6.0	75.0	25.0	x	2
0078405A	5.0	6.0	75.0	30.0	x	2
0078406A	6.0	6.0	75.0	30.0	x	2
0078406B	6.0	6.0	100.0	40.0	x	2
0078408A	8.0	8.0	75.0	30.0	x	2
0078410A	10.0	10.0	75.0	30.0	x	2
0078410B	10.0	10.0	100.0	40.0	x	2

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078412A	12.0	12.0	100.0	45.0	x	2
0078412B	12.0	12.0	150.0	65.0	x	2
0078414A	14.0	14.0	100.0	45.0	x	2
0078416A	16.0	16.0	100.0	45.0	x	2
0078416B	16.0	16.0	150.0	65.0	x	2
0078418A	18.0	18.0	100.0	45.0	x	2
0078420A	20.0	20.0	100.0	45.0	x	2
0078420B	20.0	20.0	150.0	65.0	x	2

DG = Discount Group CT = Alcrona Coating

DATRON Four Flute End Mill with Edge Radius



- Micrograin solid carbide end mill
- with four flutes
- 30° upcut spiral
- edge radius
- shank without clamping surface DIN 6535-HA
- centre cut
- toric cut

The special characteristics of this end mill are the rounded edges and the standard toric cut. These tools have a special X.CEED coating.

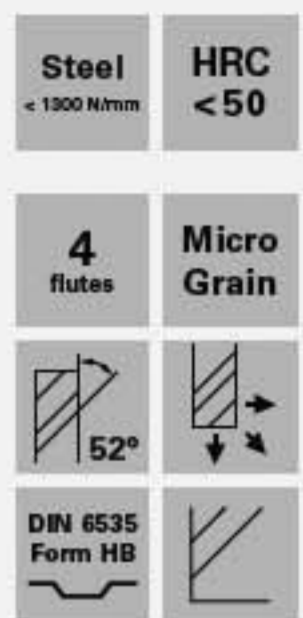
Art. No.	D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	R (mm)	CT	DG
0078620	2.0	6.0	1.8	50.0	4.0	12.0	0.2	x	2
0078623	3.0	6.0	2.7	50.0	4.0	14.0	0.3	x	2
0078624	4.0	6.0	3.7	50.0	5.0	16.0	0.4	x	2
0078625	5.0	6.0	4.6	54.0	6.0	18.0	0.5	x	2
0078625A	5.0	6.0	4.6	54.0	6.0	18.0	1.0	x	2
0078626	6.0	6.0	5.5	57.0	7.0	21.0	0.5	x	2
0078626A	6.0	6.0	5.5	57.0	7.0	21.0	1.0	x	2
0078628	8.0	8.0	7.4	63.0	9.0	27.0	0.5	x	2
0078628A	8.0	8.0	7.4	63.0	9.0	27.0	1.0	x	2
0078630	10.0	10.0	9.2	72.0	11.0	32.0	0.5	x	2
0078630A	10.0	10.0	9.2	72.0	11.0	32.0	1.0	x	2

DG = Discount Group CT = X.CEED Coating

DATRON Four Flute End Mill, Contour Milling

- Micrograin solid carbide end mill
- with four flutes
- 52° upcut spiral
- special chip space cavities
- radial under cut
- shank with clamping surface DIN 6535-HB
- centre cut

This SC end mill has a very short flute length and a X.CEED coating, which results in a very long tool life.

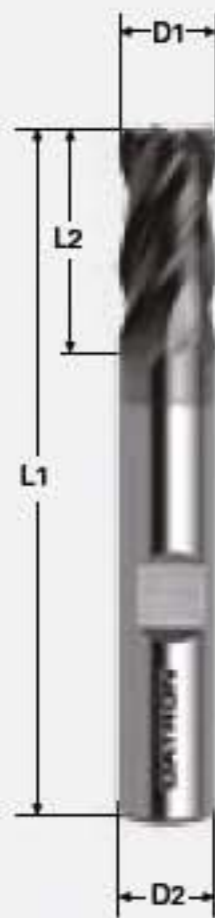


Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078424	4.0	6.0	54.0	8.0	x	2
0078424A	4.0	6.0	57.0	11.0	x	2
0078425	5.0	6.0	54.0	9.0	x	2
0078425A	5.0	6.0	57.0	13.0	x	2
0078426	6.0	6.0	54.0	10.0	x	2
0078426A	6.0	6.0	57.0	13.0	x	2
0078428	8.0	8.0	58.0	12.0	x	2
0078428A	8.0	8.0	63.0	19.0	x	2
0078430	10.0	10.0	66.0	14.0	x	2
0078430A	10.0	10.0	72.0	22.0	x	2

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078432	12.0	12.0	73.0	16.0	x	2
0078432A	12.0	12.0	83.0	26.0	x	2
0078434	14.0	14.0	75.0	18.0	x	2
0078434A	14.0	14.0	83.0	26.0	x	2
0078436	16.0	16.0	82.0	22.0	x	2
0078436A	16.0	16.0	92.0	32.0	x	2
0078438	18.0	18.0	84.0	24.0	x	2
0078438A	18.0	18.0	92.0	32.0	x	2
0078440	20.0	20.0	92.0	26.0	x	2
0078440A	20.0	20.0	104.0	38.0	x	2

DG = Discount Group CT = X.CEED Coating

DATRON Four Flute End Mill, Pitch 35°/38°, Short Version



- Micrograin solid carbide end mill
- with four flutes
- 35°/38° upcut spiral
- shank with clamping surface DIN 6535-HB
- centre cut with two long front side flutes

Due to its different helical pitch, this milling tool runs extremely smoothly and chips are removed very quickly. As standard these tools are supplied with an Alcrona coating.

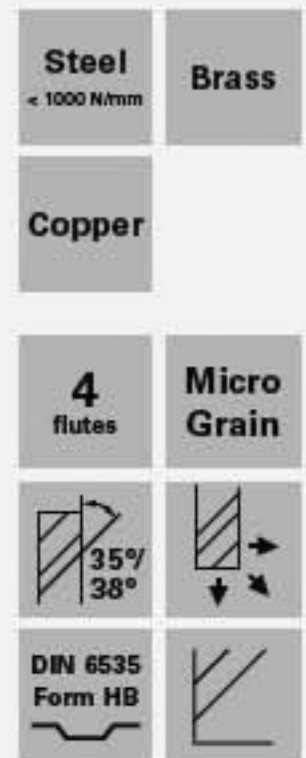
Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078456	6.0	6.0	54.0	10.0	x	2
0078458	8.0	8.0	58.0	12.0	x	2
0078460	10.0	10.0	66.0	14.0	x	2
0078460B	12.0	12.0	73.0	16.0	x	2

DG = Discount Group CT = Alcrona Coating

DATRON Four Flute End Mill, Pitch 35°/38°, Long Version

- Micrograin solid carbide end mill
- with four flutes
- 35°/38° upcut spiral
- shank with clamping surface DIN 6535-HB
- centre cut with two long front side flutes

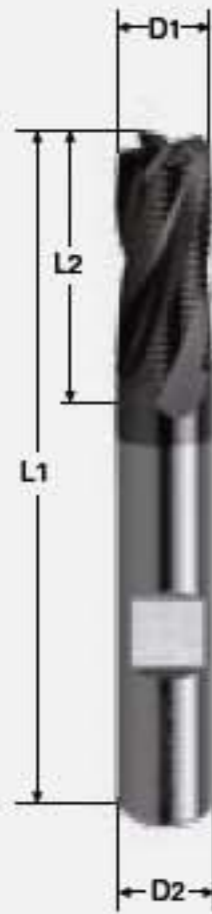
Due to its different helical pitch, this milling tool runs extremely smoothly and chips are removed very quickly. As standard these tools are supplied with an Aldura coating.



Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078456A	6.0	6.0	57.0	13.0	x	2
0078458A	8.0	8.0	63.0	19.0	x	2
0078460A	10.0	10.0	72.0	22.0	x	2
0078460C	12.0	12.0	83.0	26.0	x	2

DG = Discount Group CT = Alcrona Coating

DATRON Four Flute End Mill, Roughing Mill, Short Version



- Micrograin solid carbide end mill
- with four flutes
- 25° upcut spiral
- shank with clamping surface DIN 6535-HB
- centre cut with two long front side flutes

Thanks to a new coating and its special cutting geometry this tool is optimally suited for rough machining.

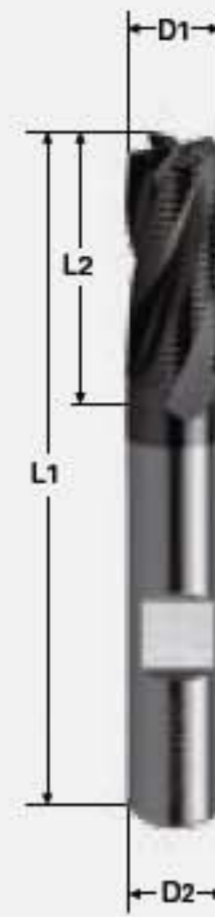
Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078474	4.0	6.0	54.0	8.0	x	2
0078475	5.0	6.0	54.0	8.0	x	2
0078476	6.0	6.0	54.0	8.0	x	2
0078478	8.0	8.0	58.0	11.0	x	2
0078480	10.0	10.0	66.0	13.0	x	2
0078482	12.0	12.0	73.0	16.0	x	2

DG = Discount Group CT = X.CEED Coating

DATRON Four Flute End Mill, Roughing Mill, Long Version

- Micrograin solid carbide end mill
- with four flutes
- 25° upcut spiral
- shank with clamping surface DIN 6535-HB
- centre cut with two long front side flutes



Thanks to a new coating and its special cutting geometry this tool is optimally suited for rough machining.



Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	CT	DG
0078474A	4.0	6.0	57.0	8.0	x	2
0078475A	5.0	6.0	57.0	10.0	x	2
0078476A	6.0	6.0	57.0	13.0	x	2
0078478A	8.0	8.0	63.0	19.0	x	2
0078480A	10.0	10.0	72.0	22.0	x	2
0078482A	12.0	12.0	83.0	26.0	x	2

DG = Discount Group CT = X.CEED Coating

DATRON Six Flute End Mill

Steel < 1900 N/mm	HRC < 68
6 flutes	Micro Grain
 50°	
DIN 6535 Form HA	



- Micrograin solid carbide end mill
- with six flutes
- 50° upcut spiral
- radial under cut
- shank without clamping surface DIN 6535-HA
- without centre cut
- partly with edge radius

This end mill has a very short flute length and a special coating, which results in a very long tool life.

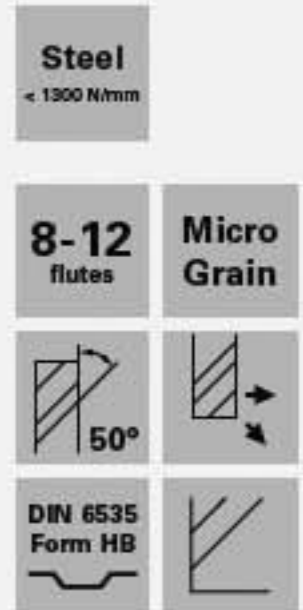
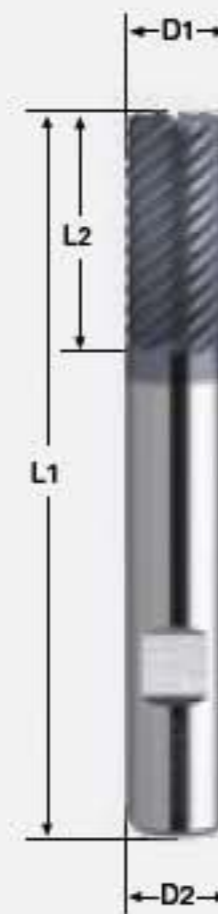
Art. No.	D1 (mm)	D2 (mm)	R (mm)	L1 (mm)	L2 (mm)	CT	DG
0078605	5.0	6.0		57.0	13.0	x	2
0078606	6.0	6.0		57.0	13.0	x	2
0078606A	6.0	6.0	1.0	57.0	13.0	x	2
0078608	8.0	8.0		63.0	16.0	x	2
0078608A	8.0	8.0	1.0	63.0	16.0	x	2
0078610	10.0	10.0		72.0	19.0	x	2
0078610A	10.0	10.0	1.5	72.0	19.0	x	2
0078612	12.0	12.0		83.0	22.0	x	2
0078612A	12.0	12.0	1.5	83.0	22.0	x	2
0078614	14.0	14.0		83.0	22.0	x	2

DG = Discount Group CT = X.CEED Coating

DATRON Eight up to Twelve Flute End Mill, Short Version

- Micrograin solid carbide end mill
- with eight up to twelve flutes
- 50° upcut spiral
- shank with clamping surface DIN 6535-HB

Thanks to the X.CEED coating, the big helix angle and the large number of flutes an extremely high surface quality of the work piece can be achieved.



Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	F	CT	DG
0078646	6.0	6.0	57.0	13.0	8	x	2
0078648	8.0	8.0	63.0	19.0	10	x	2
0078650	10.0	10.0	72.0	22.0	12	x	2
0078652	12.0	12.0	83.0	26.0	12	x	2

DG = Discount Group

CT = X.CEED Coating

F = Number of Flutes

DATRON Eight up to Twelve Flute End Mill, Long Version

Steel
 < 1300 N/mm

8-12
 flutes **Micro Grain**



DIN 6535
 Form HB



- Micrograin solid carbide end mill
- with eight up to twelve flutes
- 50° upcut spiral
- shank with clamping surface DIN 6535-HB

Thanks to the X.CEED coating, the big helix angle and the large number of flutes an extremely high surface quality of the work piece can be achieved.

Art. No.	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	F	CT	DG
0078646A	6.0	6.0	62.0	18.0	8	x	2
0078648A	8.0	8.0	68.0	24.0	10	x	2
0078650A	10.0	10.0	80.0	30.0	12	x	2
0078652A	12.0	12.0	93.0	36.0	12	x	2

DG = Discount Group

CT = X.CEED Coating

F = Number of Flutes