

NEW

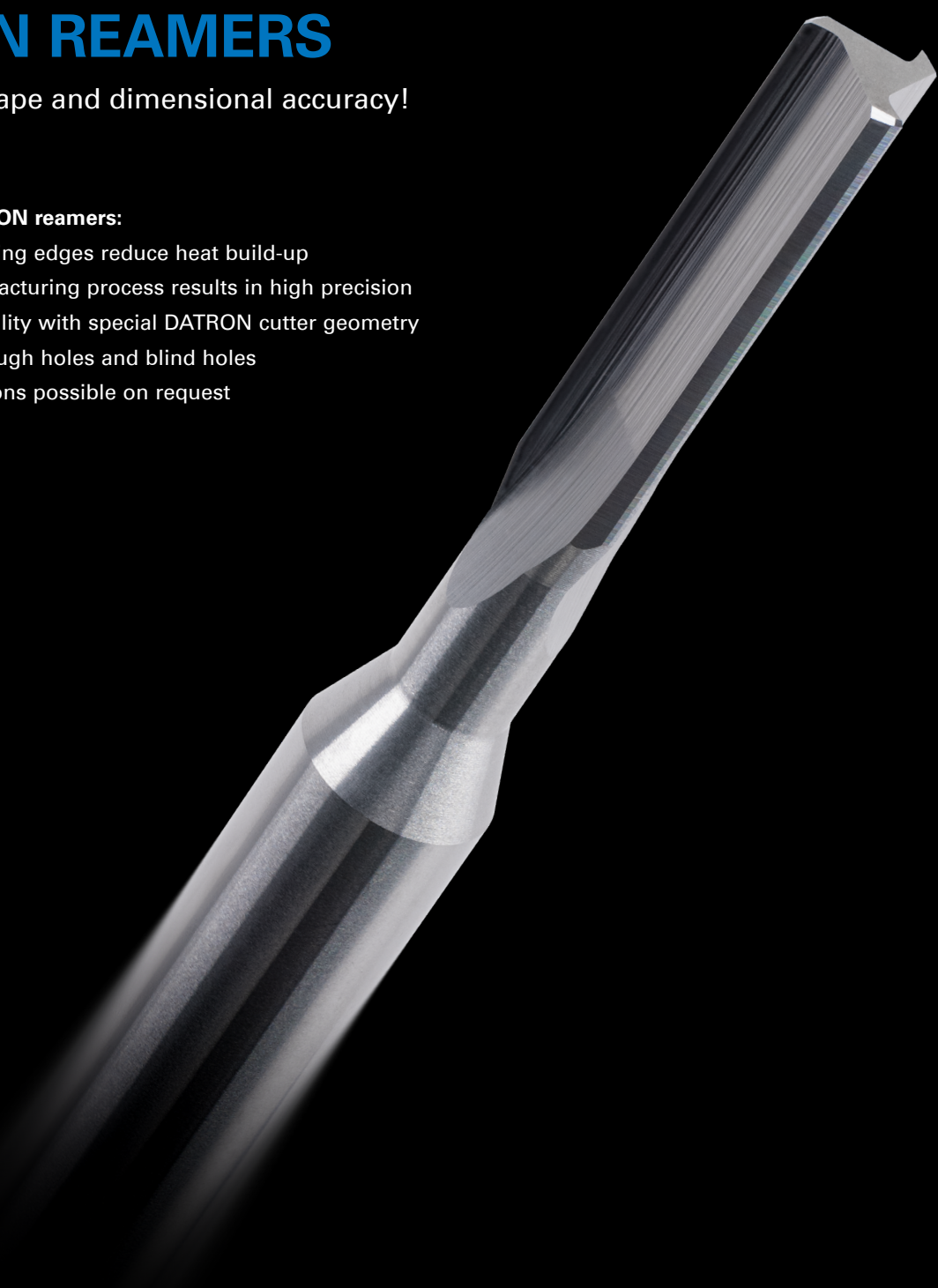
DATRON
Smart Manufacturing Solutions

DATRON REAMERS

Outstanding shape and dimensional accuracy!

Advantages of DATRON reamers:

- Tools with 3 cutting edges reduce heat build-up
- Improved manufacturing process results in high precision
- High surface quality with special DATRON cutter geometry
- Suitable for through holes and blind holes
- Special dimensions possible on request



DATRON Reamers Standard Version

Item no.	Nominal D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)
0068103E	3H7	6	2.5	50	6	10
0068104E	4H7	6	3.3	50	8	12
0068105E	5H7	6	4.2	50	10	16
0068106E	6H7	6	5	55	12	21
0068108E	8H7	8	6.7	60	16	26
0068110E	10H7	10	8.3	65	20	31
0068112E	12H7	12	10	70	24	36

DATRON Reamers Long Version

Item no.	Nominal D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)
0068103L	3H7	6	2.5	50	9	16
0068104L	4H7	6	3.3	55	12	21
0068105L	5H7	6	4.2	60	16	26
0068106L	6H7	6	5	65	21	31
0068108L	8H7	8	6.7	75	26	41
0068110L	10H7	10	8.3	85	31	51
0068112L	12H7	12	10	105	36	71

DATRON Reamers (DATRON neo Version)

Item no.	Nominal D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)
0068103N	3H7	8	2.5	50	6	10
0068104N	4H7	8	3.3	50	8	12
0068105N	5H7	8	4.2	50	10	16
0068106N	6H7	8	5	55	12	21
0068108E	8H7	8	6.7	60	16	26



Aluminium



Copper



Brass



Bronze



We look forward to assisting you:
+49 (0)6151-1419-480



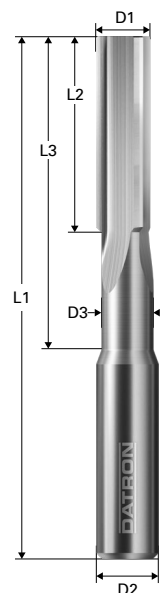
or order directly
by email: tools@datron.de
by telephone: +49 (0)6151-1419-111
by fax: +49 (0)6151-1419-39

Cutting data

Item no.	D1 (mm)	Speed (rpm)	Vf (mm/min)	Vc (m/min)	fz (mm)	Core hole
0068103E	3	12000	1000	113.1	0.028	2.9
0068104E	4	9000	1000	113.1	0.037	3.9
0068105E	5	7100	1000	111.5	0.047	4.9
0068106E	6	6000	1000	113.1	0.056	5.9
0068108E	8	4500	850	113.1	0.063	7.9
0068110E	10	3600	700	113.1	0.065	9.9
0068112E	12	3000	600	113.1	0.067	11.9

Item no.	D1 (mm)	Speed (rpm)	Vf (mm/min)	Vc (m/min)	fz (mm)	Core hole
0068103L	3	12000	900	113.1	0.025	2.9
0068104L	4	9000	900	113.1	0.033	3.9
0068105L	5	7000	900	110.0	0.043	4.9
0068106L	6	6000	900	113.1	0.050	5.9
0068108L	8	4500	750	113.1	0.056	7.9
0068110L	10	3500	550	110.0	0.052	9.9
0068112L	12	3000	450	113.1	0.050	11.9

Item no.	D1 (mm)	Speed (rpm)	Vf (mm/min)	Vc (m/min)	fz (mm)	Core hole
0068103N	3	12000	1000	113.1	0.028	2.9
0068104N	4	9000	1000	113.1	0.037	3.9
0068105N	5	7000	1000	110.0	0.048	4.9
0068106N	6	6000	1000	113.1	0.056	5.9
0068108E	8	4500	850	113.1	0.063	7.9



D1

Flute diameter

D2

Shank diameter

D3

Shank toric diameter

L1

Total length

L2

Flute length

L3

Usable length

Vf

Cutting speed

Vc

Cutting speed

fz

Tooth feed

