

NEEW

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



DATRON Reamers Standard Version

Item no.	D1 (mm)	D1-actual (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Tolerance range (µ)
0068103E	3	3.005	6	2.5	50	6	10	+10/-0
0068104E	4	4.006	6	3.3	50	8	12	+12/-0
0068105E	5	5.006	6	4.2	50	10	16	+12/-0
0068106E	6	6.006	6	5	55	12	21	+12/-0
0068108E	8	8.008	8	6.7	60	16	26	+15/-0
0068110E	10	10.008	10	8.3	65	20	31	+15/-0
0068112E	12	12.009	12	10	70	24	36	+18/-0

DATRON Reamers Long Version

Item no.	D1 (mm)	D1-actual (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Tolerance range (µ)
0068103L	3	3.005	6	2.5	50	9	16	+10/-0
0068104L	4	4.006	6	3.3	55	12	21	+12/-0
0068105L	5	5.006	6	4.2	60	16	26	+12/-0
0068106L	6	6.006	6	5	65	21	31	+12/-0
0068108L	8	8.008	8	6.7	75	26	41	+15/-0
0068110L	10	10.008	10	8.3	85	31	51	+15/-0
0068112L	12	12.009	12	10	105	36	71	+18/-0

DATRON Reamers (DATRON neo Version)

Item no.	D1 (mm)	D1-actual (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	Tolerance range (µ)
0068103N	3	3.005	8	2.5	50	6	10	+10/-0
0068104N	4	4.006	8	3.3	50	8	12	+12/-0
0068105N	5	5.006	8	4.2	50	10	16	+12/-0
0068106N	6	6.006	8	5	55	12	21	+12/-0
0068108E	8	8.008	8	6.7	60	16	26	+15/-0



Aluminium



Copper



Brass



Bronze



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



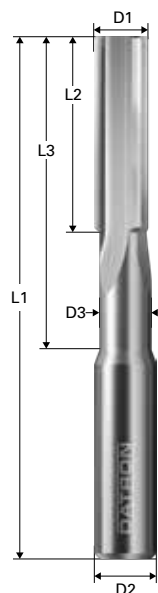
or order directly
by email: tools@datron.de
by telephone: +49 (0)6151-1419-111
by fax: +49 (0)6151-1419-39

Cutting data

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

Item no.	D1 (mm)	Speed (rpm)	Vf (mm/min)	Vc (m/min)	fz (mm)
0068103L	3	12000	900	113.1	0.025
0068104E	4	9000	900	113.1	0.033
0068105E	5	7100	900	110.0	0.043
0068106E	6	6000	900	113.1	0.050
0068108E	8	4500	750	113.1	0.056
0068110E	10	3500	550	110.0	0.052
0068112E	12	3000	450	113.1	0.050

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



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

