



Bevel gearboxes LMA
Summary – Drive components

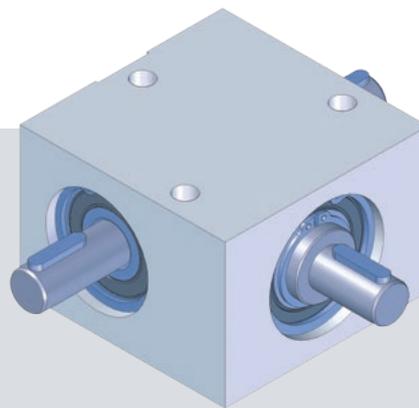
4.5 Bevel gearboxes LMA

Drive components

The light-construction bevel gearboxes LMA are suitable for the most varied applications in general mechanical engineering and jigmaking.

Bevel gearbox LMA

- for general mechanical engineering
- lightweight series
- max. 1000 min⁻¹
- Lubrication: Semi-fluid grease (lifelong lubrication)



n	LMA12		LMA24		LMA60		LMA120		LMA240	
	P	M	P	M	P	M	P	M	P	M
1000	0.083	0.79	0.204	1.95	0.513	4.90	1.026	9.80	2.084	19.90
800	0.067	0.80	0.164	1.96	0.438	5.23	0.842	10.05	1.795	21.43
600	0.050	0.80	0.124	1.98	0.362	5.76	0.723	11.51	1.422	22.63
400	0.034	0.81	0.084	2.00	0.276	6.59	0.552	13.17	0.964	23.02
200	0.017	0.83	0.043	2.03	0.144	6.89	0.297	14.18	0.496	23.69
100	0.009	0.84	0.022	2.07	0.073	6.98	0.150	14.34	0.255	24.39
80	0.007	0.85	0.017	2.08	0.059	7.01	0.120	14.38	0.206	24.62
60	0.005	0.85	0.013	2.10	0.044	7.05	0.091	14.45	0.157	24.91
40	0.004	0.89	0.009	2.25	0.032	7.57	0.064	15.36	0.112	26.74
20	0.002	1.08	0.007	3.13	0.022	10.51	0.043	20.39	0.075	35.96
10	0.001	1.30	0.005	4.34	0.015	14.60	0.028	27.08	0.047	45.00

Basics:

n = drive rpm (min⁻¹)
P = drive power (kW)
M = driving torque (Nm)

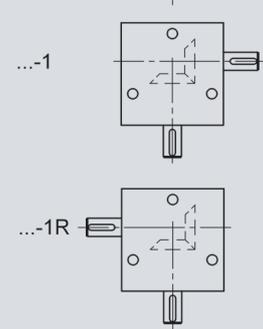
Life:

6000 h impact-free operation

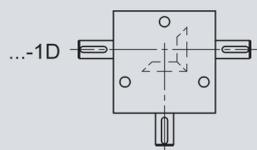
Housing material

- Aluminium

Shaft according to direction of rotation



through shaft



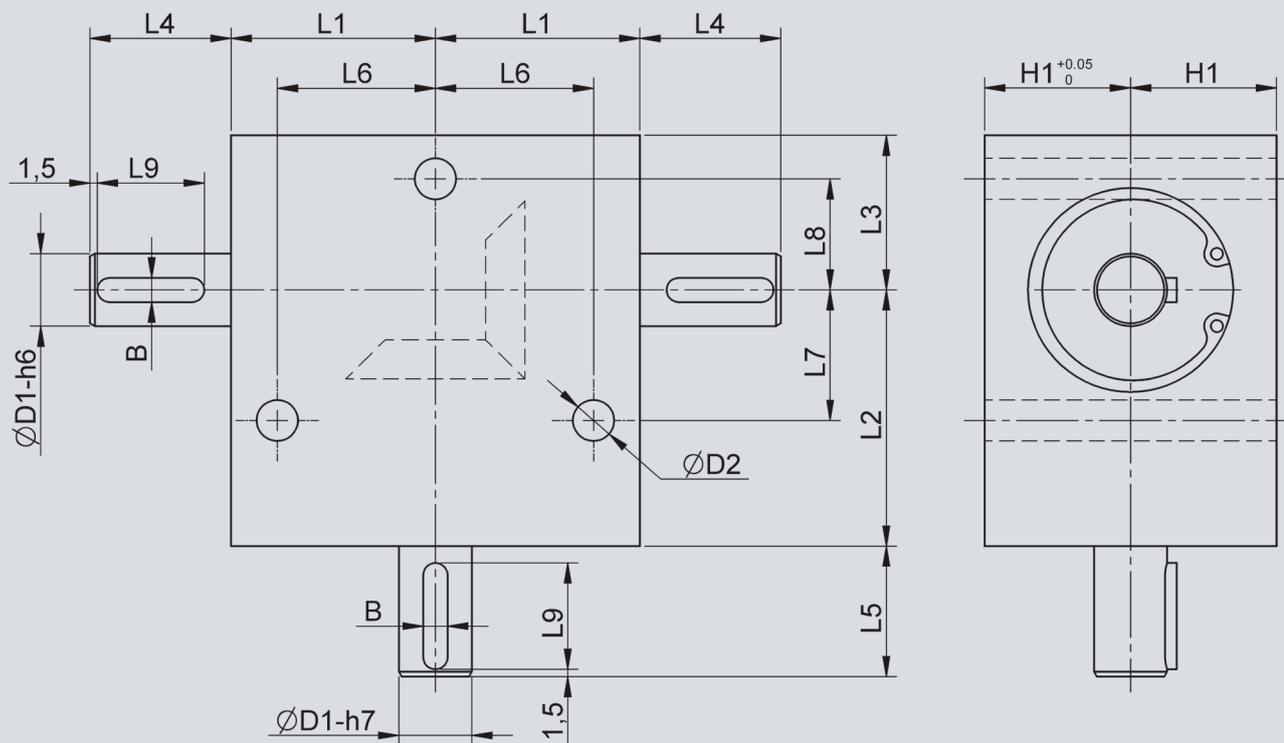
Ordering example

Type
Size
Ratio i
Continuous shaft

LMA 60 - 1 D

4.5 Bevel gearboxes LMA

Drive components



	i	B	D1	D2	H1	L1	L2	L3	L4	L5	L6	L7	L8	L9
LMA12-1	1:1	-	6	5.5	16	20	25.0	17.5	20	17	16.0	17	-	-
LMA12-1R	1:1	-	6	5.5	16	20	25.0	17.5	20	17	16.0	17	-	-
LMA12-1D	1:1	-	6	5.5	16	20	25.0	17.5	20	17	16.0	17	-	-
LMA24-1	1:1	2	8	7.0	21	29	37.0	22.0	17	16	23.0	20	-	12
LMA24-1R	1:1	2	8	7.0	21	29	37.0	22.0	17	16	23.0	20	-	12
LMA24-1D	1:1	2	8	7.0	21	29	37.0	22.0	17	16	23.0	20	-	12
LMA60-1	1:1	3	10	8.5	25	35	43.5	27.5	21	19	27.5	23	-	14
LMA60-1R	1:1	3	10	8.5	25	35	43.5	27.5	21	19	27.5	23	-	14
LMA60-1D	1:1	3	10	8.5	25	35	43.5	27.5	21	19	27.5	23	-	14
LMA120-1	1:1	5	15	8.5	30	42	53.0	32.0	29	27	32.5	27	23	22
LMA120-1R	1:1	5	15	8.5	30	42	53.0	32.0	29	27	32.5	27	23	22
LMA120-1D	1:1	5	15	8.5	30	42	53.0	32.0	29	27	32.5	27	23	22
LMA240-1	1:1	5	17	10.5	35	50	64.0	37.5	31	29	40.0	32	28	22
LMA240-1R	1:1	5	17	10.5	35	50	64.0	37.5	31	29	40.0	32	28	22
LMA240-1D	1:1	5	17	10.5	35	50	64.0	37.5	31	29	40.0	32	28	22

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