

# Planetary Gearheads

## 25 mNm

For combination with  
DC-Micromotors  
Brushless DC-Motors  
Stepper Motors

### Series 06/1

	06/1	06/1K
Housing material	steel	steel
Geartrain material	steel	steel
Recommended max. input speed for:		
– continuous operation	8 000 min <sup>-1</sup>	8 000 min <sup>-1</sup>
Backlash, at no-load	≤ 3 °	≤ 3 °
Bearings on output shaft	sintered bearings	ball bearings
Shaft load, max.:		
– radial (3,5 mm from mounting face)	≤ 0,5 N	≤ 5 N
– axial	≤ 0,5 N	≤ 3 N
Shaft press fit force, max.	≤ 3,5 N	≤ 5 N
Shaft play		
– radial (3,5 mm from mounting face)	≤ 0,06 mm	≤ 0,06 mm
– axial	≤ 0,1 mm	≤ 0,05 mm
Operating temperature range	- 30 ... + 100 °C	- 30 ... + 100 °C

Technical data							
Number of gear stages		1	2	3	4	5	6
Continuous torque	mNm	25	25	25	25	25	25
Intermittent torque	mNm	35	35	35	35	35	35
Mass without motor, ca.	g	2	2,8	3,4	4	4,4	5
Efficiency, max.	%	90	80	70	60	55	48
Direction of rotation, drive to output		=	=	=	=	=	=
Reduction ratio (exact)		4:1	16:1	64:1	256:1	1 024:1	4 096:1
L2 [mm] = length without motor		9,2	11,9	14,6	17,3	20,0	22,7
L1 [mm] = length with motor	0615C...S	24,2	26,9	29,6	32,3	35,0	37,7
	0515C...B	23,8	26,5	29,2	31,9	34,6	37,3
	0620C...B	29,2	31,9	34,6	37,3	40,0	42,7
	DM0620...35	18,7	21,4	24,1	26,8	29,5	32,2

