

# Planetary Gearheads

## 60 mNm

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

### Series 08/1

	08/1	08/1K
Housing material	metal	metal
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 (4,5 mm from mounting face)	≤ 0,8 N	≤ 5 N
– axial	≤ 1 N	≤ 3 N
Shaft press fit force, max.	≤ 5 N	≤ 5 N
Shaft play		
– radial (4,5 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	60	60	60	60	60	60
Intermittent torque	mNm	120	120	120	120	120	120
Mass without motor, ca.	g	2,9	3,8	4,6	5,4	6,3	7,1
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		9,6	12,3	15,0	17,7	20,4	23,1
L1 [mm] = length with motor	0816P...SR	25,5	28,2	30,9	33,6	36,3	39,0
	0824P...B	33,7	36,4	39,1	41,8	44,5	47,2
	AM0820...08	23,4	26,1	28,8	31,5	34,2	36,9

