

# Planetary Gearheads

## 60 mNm

For combination with  
DC-Micromotors  
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 rpm	8 000 rpm
Backlash, at no-load	$\leq 3^\circ$	$\leq 3^\circ$
Bearings on output shaft	sintered bearings	ball bearings
Shaft load, max.:		
– radial (4,5 mm from mounting face)	$\leq 0,8$ N	$\leq 5$ N
– axial	$\leq 1$ N	$\leq 3$ N
Shaft press fit force, max.	$\leq 5$ N	$\leq 5$ N
Shaft play		
– radial (4,5 mm from mounting face)	$\leq 0,04$ mm	$\leq 0,06$ mm
– axial	$\leq 0,1$ mm	$\leq 0,05$ mm
Operating temperature range	- 30 ... + 100 °C	- 30 ... + 100 °C

### Specifications

		1	2	3	4	5	6
Number of gear stages							
Continuous torque	mNm	60	60	60	60	60	60
Intermittent torque	mNm	120	120	120	120	120	120
Weight 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...S	25,6	28,3	31,0	33,7	36,4	39,1
	AM0820...-08	23,3	26,0	28,7	31,4	34,1	36,8

