

# Planetary Gearheads

## 3,5 Nm

For combination with  
DC-Micromotors  
Brushless DC-Motors

### Series 26/1

	26/1
Housing material	steel
Geartrain material <sup>1)</sup>	plastic/steel
Recommended max. input speed for:	
– continuous operation	4 000 rpm
Backlash, at no-load	≤ 1 °
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (10 mm from mounting face)	≤ 150 N
– axial	≤ 100 N
Shaft press fit force, max.	≤ 150 N
Shaft play	
– radial (10 mm from mounting face)	≤ 0,03 mm
– axial	≤ 0,1 mm
Operating temperature range	- 30 ... + 100 °C

### Specifications

	1	2	3	3	4	4	5
Number of gear stages							
Continuous torque	Nm 1,1	0,3	1	1,5	2,5	3,5	3,5
Intermittent torque	Nm 2,3	0,4	1,2	1,8	3,5	4,5	4,5
Weight without motor, ca.	g 93	116	139	139	162	162	185
Efficiency, max.	% 88	80	70	70	60	60	55
Direction of rotation, drive to output	=	=	=	=	=	=	=
Reduction ratio <sup>2)</sup> (rounded)	3,71:1	14:1	43:1	66:1	134:1	159:1 246:1	415:1 592:1 989:1 1 526:1
L2 [mm] = length without motor	28,4	36,4	44,4	44,4	52,4	52,4	60,5
L1 [mm] = length with motor	2342S...CR 70,4	2642W...CR 78,4	2642W...CXR 86,4	2657W...CR 86,4	2657W...CXR 94,4	2232S...BSL 94,4	2248S...BSL 94,4
	2444S...B 72,4						

<sup>1)</sup> Gearheads with ratios < 14:1 have all steel gears.

<sup>2)</sup> The reduction ratios are rounded, the exact values are available on request or at [www.faulhaber.com](http://www.faulhaber.com).

