

Planetary Gearheads

3,5 Nm

For combination with
DC-Micromotors
Brushless DC-Motors

Series 26/1 S

	26/1 S
Housing material	steel
Geartrain material	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

		2	3	4	5
Number of gear stages					
Continuous torque	Nm	3,5	3,5	3,5	3,5
Intermittent torque	Nm	4,5	4,5	4,5	4,5
Mass without motor, ca.	g	116	139	162	185
Efficiency, max.	%	80	70	60	55
Direction of rotation, drive to output		=	=	=	=
Reduction ratio ¹⁾ (rounded)		9,7:1 14:1 23:1	43:1 66:1 86:1	134:1 159:1 246:1	415:1 592:1 989:1 1 526:1
L2 [mm] = length without motor		36,4	44,4	52,4	60,5
L1 [mm] = length with motor					
2342S...CR		78,4	86,4	94,4	102,5
2642W...CR		78,4	86,4	94,4	102,5
2642W...CXR		78,4	86,4	94,4	102,5
2657W...CR		93,4	101,4	109,4	117,5
2657W...CXR		93,4	101,4	109,4	117,5
2444S...B		80,4	88,4	96,4	104,5

¹⁾ The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.

Note: The gearheads as S-type have all steel gears and heavy duty lubricant for extended lifetime performance.

