

Planetary Gearheads

4,5 Nm

For combination with
DC-Micromotors
Brushless DC-Motors

Series 30/1 S

	30/1 S
Housing material	metal
Geartrain material	steel
Recommended max. input speed for:	
– continuous operation	4 000 min ⁻¹
Backlash, at no-load	≤ 1 °
Bearings on output shaft	ball bearings
Shaft load, max.:	
– radial (15 mm from mounting face)	≤ 150 N
– axial	≤ 150 N
Shaft press fit force, max.	≤ 200 N
Shaft play	
– radial (15 mm from mounting face)	≤ 0,03 mm
– axial	≤ 0,15 mm
Operating temperature range	- 30 ... + 100 °C

Technical data

Number of gear stages		2	3	4	5
Continuous torque	Nm	4,5	4,5	4,5	4,5
Intermittent torque	Nm	6	6	6	6
Mass without motor, ca.	g	139	171	203	235
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 ²⁾		35,1	43,1	51,2	59,2
L1 [mm] = length with motor		77,1	85,1	93,2	101,2
2342S...CR		77,1	85,1	93,2	101,2
2642W...CR		77,1	85,1	93,2	101,2
2642W...CXR		92,1	100,1	108,2	116,2
2657W...CR		92,1	100,1	108,2	116,2
2657W...CXR		103,1	111,1	119,2	127,2
2668W...CR		99,1	107,1	115,2	123,2
2264W...BP4		79,1	87,1	95,2	103,2
2444S...B		92,5	100,5	108,6	116,6
3056K...B		100,5	108,5	116,6	124,6
3564K...B					

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

²⁾ L2 + 1,4 mm, in combination with 3056K...B and 3564K...B.

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

