

# Planetary Gearheads

## 7 Nm

For combination with  
DC-Micromotors  
Brushless DC-Motors

### Series 32/3 S

	32/3 S
Housing material	metal
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)	≤ 200 N
– axial	≤ 200 N
Shaft press fit force, max.	≤ 250 N
Shaft play	
– radial (10 mm from mounting face)	≤ 0,03 mm
– axial	≤ 0,15 mm
Operating temperature range	- 20 ... + 125 °C

#### Specifications

	2	3	4	5	5
Number of gear stages					
Continuous torque	Nm 7	7	7	7	7
Intermittent torque	Nm 10	10	10	10	10
Weight without motor, ca.	g 190	230	260	290	300
Efficiency, max.	% 80	70	60	55	55
Direction of rotation, drive to output	=	=	=	=	=
Reduction ratio <sup>1)</sup> (rounded)	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	41,6	49,4	57,2	65,0	65,0
L1 [mm] = length with motor					
3242G...CR	83,6	91,4	99,2	107,0	107,0
3257G...CR	98,6	106,4	114,2	122,0	122,0
3557K...CS	98,6	106,4	114,2	122,0	122,0
3242G...BX4	85,8	93,6	101,4	109,2	109,2
3268G...BX4	111,8	119,6	127,4	135,2	135,2
3564K...B	105,6	113,4	121,2	129,0	129,0

<sup>1)</sup> The reduction ratios are rounded, the exact values are available on request or at [www.faulhaber.com](http://www.faulhaber.com).

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

