

# Planetary Gearheads

## 4,5 Nm

For combination with  
DC-Micromotors  
Brushless DC-Motors

### Series 32A

	32A
Housing material	metal
Geartrain material	steel
Recommended max. input speed for:	
– continuous operation	3 000 min <sup>-1</sup>
Backlash, at no-load	≤ 2 °
Bearings on output shaft	ball bearings
Shaft load, max.:	
– radial (10 mm from mounting face)	≤ 100 N
– axial	≤ 30 N
Shaft press fit force, max.	≤ 120 N
Shaft play	
– radial (10 mm from mounting face)	≤ 0,1 mm
– axial	≤ 0,3 mm
Operating temperature range	- 25 ... + 80 °C

Technical data					
Number of gear stages		1	2	3	4
Continuous torque	Nm	0,75	2,25	4,5	4,5
Intermittent torque	Nm	1	3	6	6
Mass without motor, ca.	g	150	195	240	290
Efficiency, max.	%	88	85	75	65
Direction of rotation, drive to output		=	=	=	=
Reduction ratio <sup>1)</sup> (rounded)		4:1 7:1	14:1 19:1 25:1 29:1 46:1	68:1 93:1 124:1 169:1 236:1 308:1	344:1 626:1 1 140:1 2 076:1
L2 [mm] = length without motor		37,8	47,3	56,8	66,4
L1 [mm] = length with motor					
2642W...CR/CXR		79,8	89,3	98,8	108,4
2657W...CR/CXR		94,8	104,3	113,8	123,4
2668W...CR		105,8	115,3	124,8	134,4
3242G...CR		79,8	89,3	98,8	108,4
3257G...CR		94,8	104,3	113,8	123,4
3272G...CR		109,8	119,3	128,8	138,4
2264W...BP4		101,8	111,3	120,8	130,4
3242G...BX4		82,0	91,5	101,0	110,6
3268G...BX4		108,0	117,5	127,0	136,6
3274G...BP4		111,8	121,3	130,8	140,4
4221G...BXTH		59,8	69,3	78,8	88,4
4221G...BXTR		59,0	68,5	78,0	87,6

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

