

# 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 rpm
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

### Specifications

		1	2	3	4
Number of gear stages					
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	79,8	89,3	98,8	108,4
	2642W...CXR	79,8	89,3	98,8	108,4
	2657W...CR	94,8	104,3	113,8	123,4
	2657W...CXR	94,8	104,3	113,8	123,4
	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
	3242G...BX4	82,0	91,5	101,0	110,6
	3268G...BX4	108,0	117,5	127,0	136,6

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

