

# Planetary Gearheads

## 4,5 Nm

Low noise

For combination with  
DC-Micromotors  
Brushless DC-Motors

### Series 32ALN

	32ALN
Housing material	metal
Geartrain material	plastic/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	- 15 ... + 65 °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	125	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
2657W...CR		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

<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:** Motor option - 3888 is required for combination with 2642W...CR, 2657W...CR, 2668W...CR, 3242G...CR, 3257G...CR and 3272G...CR.

