

# Spur Gearheads

Zero Backlash

## 15 mNm

For combination with  
DC-Micromotors  
Brushless DC-Motors  
Stepper Motors

### Series 08/3

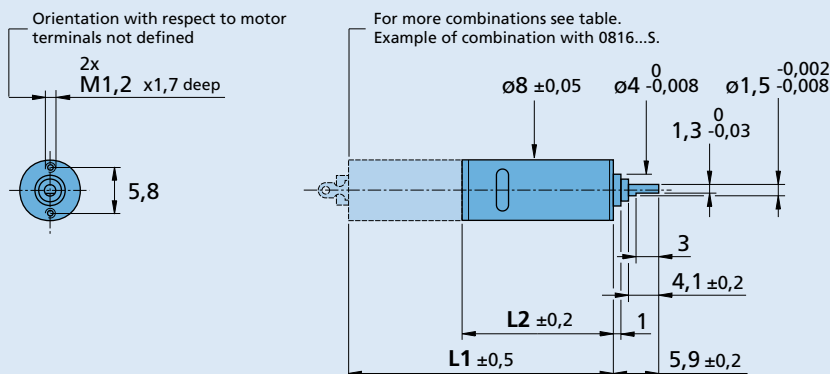
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Housing material	metal
Geartrain material	metal
Recommended max. input speed for:	
– continuous operation	8 000 rpm
Backlash, at no-load	0 °
Bearings on output shaft	ball bearings
Shaft load, max.:	
– radial (4,5 mm from mounting face)	≤ 5 N
– axial	≤ 3 N
Shaft press fit force, max.	≤ 5 N
Shaft play	
– radial (4,5 mm from mounting face)	≤ 0,06 mm
– axial	≤ 0,05 mm
Operating temperature range	- 30 ... + 100 °C

### Specifications

	6	7	8	9
Number of gear stages				
Continuous torque	mNm 15	15	15	15
Intermittent torque	mNm 25	25	25	25
Mass without motor, ca.	g 4,5	4,9	5,3	5,7
Efficiency, max.	-	-	-	-
Direction of rotation, drive to output	=	≠	=	≠
Reduction ratio <sup>1)</sup> (rounded)	120:1	279:1	650:1	1 518:1
L2 [mm] = length without motor	18,8	20,6	22,4	24,2
L1 [mm] = length with motor				
0816D...SR	34,7	36,5	38,3	40,1
0824D...B	42,9	44,7	46,5	48,3
AM0820...-12	32,6	34,4	36,2	38,0

<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:** These gearheads are available only with motors mounted.



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