



# Spur Gearheads

## 0,1 Nm

For combination with  
DC-Micromotors

### Series 16/5

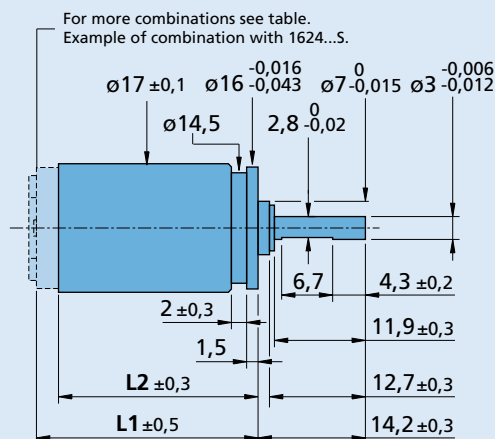
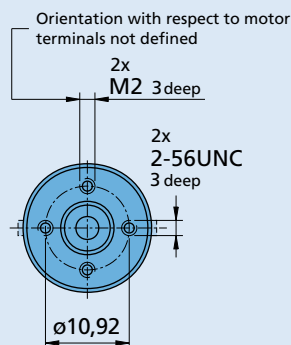
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Housing material	metal
Geartrain material <sup>1)</sup>	plastic/steel
Recommended max. input speed for:	
– continuous operation	5 000 rpm
Backlash, at no-load	≤ 3 °
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (6,5 mm from mounting face)	≤ 25 N
– axial	≤ 5 N
Shaft press fit force, max.	≤ 5 N
Shaft play	
– radial (6,5 mm from mounting face)	≤ 0,03 mm
– axial	= 0 mm
Operating temperature range	- 30 ... + 100 °C

### Specifications

	7	8	8	9	9	10	10
Number of gear stages							
Continuous torque	mNm 100	100	100	100	100	100	100
Intermittent torque	mNm 150	300	150	300	150	300	150
Mass without motor, ca.	g 25	26	26	28	28	30	30
Efficiency, max.	% 48	43	43	39	39	35	35
Direction of rotation, drive to output	≠	=	=	≠	≠	=	=
Reduction ratio <sup>2)</sup> (rounded)	5 752:1	10 683:1	19 813:1	36 796:1	68 245:1	126 741:1	235 067:1
L2 [mm] = length without motor	38,3	40,4	40,4	42,5	42,5	44,6	44,6
L1 [mm] = length with motor 1624E...S	49,2	51,3	51,3	53,4	53,4	55,5	55,5

<sup>1)</sup> Gearheads with ratios < 3 101:1 have all steel gears.

<sup>2)</sup> The reduction ratios are rounded, the exact values are available on request or at [www.faulhaber.com](http://www.faulhaber.com).



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