

Spur Gearheads

0,1 Nm

For combination with
DC-Micromotors

Series 16/5

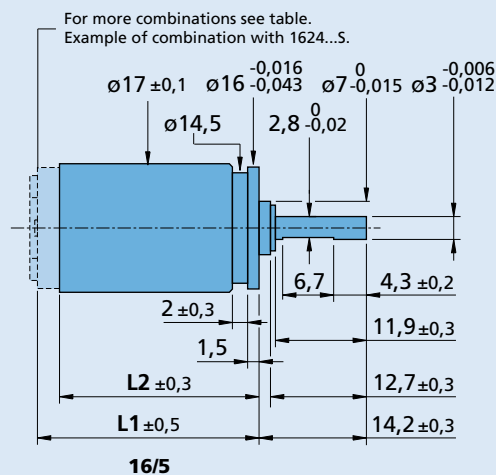
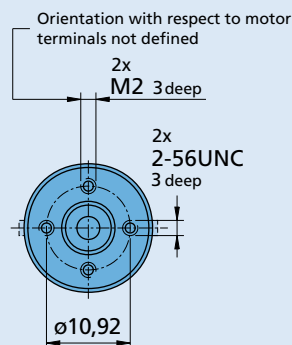
	16/5
Housing material	metal
Geartrain material ¹⁾	plastic/steel
Recommended max. input speed for:	
– continuous operation	5 000 rpm
Backlash, at no-load	≤ 3 °
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (6,5 mm from mounting face)	≤ 25 N
– axial	≤ 5 N
Shaft press fit force, max.	≤ 5 N
Shaft play	
– radial (6,5 mm from mounting face)	≤ 0,02 mm
– axial	= 0 mm
Operating temperature range	- 30 ... + 100 °C

Specifications

	2	3	4	4	5	5	6	6	7	
Number of gear stages										
Continuous torque	mNm	60	60	100	100	100	100	100	100	
Intermittent torque	mNm	150	150	300	150	300	150	300	150	
Weight without motor, ca.	g	17	19	21	21	22	22	24	25	
Efficiency, max.	%	81	73	66	66	59	59	53	48	
Direction of rotation, drive to output		=	≠	=	=	≠	≠	=	≠	
Reduction ratio ²⁾ (rounded)		6,3:1 11,8:1	22:1 41:1	76:1	141:1	262:1	485:1	900:1	1 670:1	3 101:1
L2 [mm] = length without motor		26,2	29,9	32,0	32,0	34,1	34,1	36,2	36,2	38,3
L1 [mm] = length with motor 1624E...S		37,1	40,8	42,9	42,9	45,0	45,0	47,1	47,1	49,2

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

²⁾ The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.



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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
Weight 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 ²⁾ (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

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