

Spur Gearheads

Zero Backlash ¹⁾

0,1 Nm

For combination with (overview on page 14-15)
 DC-Micromotors:
 1516, 1524, 1624
 Brushless DC-Servomotors:
 1524, 1536
 DC-Motor-Tacho Combinations:
 1841

Series 15/8, 16/8

	15/8 and 16/8
Housing material	metal
Geartrain material	all steel
Recommended max. input speed for:	
– continuous operation	5 000 rpm
Backlash, when preloaded with the DC-Micromotor ¹⁾	0°
Bearings on output shaft	preloaded ball bearings
Shaft load, max.:	
– radial (6,5 mm from mounting face)	≤ 25 N
– axial	≤ 5 N ²⁾
Shaft press fit force, max.	≤ 5 N ²⁾
Shaft play (on bearing output):	
– radial	≤ 0,02 mm
– axial	= 0 mm ²⁾
Operating temperature range	– 30 ... + 100 °C

Specifications

reduction ratio (nominal)	weight without motor	length without motor L2	length with motor		output torque		direction of rotation (reversible)
			1516 E L1	1524 E 1624 E L1	continuous operation M max. mNm	intermittent operation M max. mNm	
76 :1	24	32,0	34,9	42,9	100	300	=
141 :1	24	32,0	34,9	42,9	100	150	=
262 :1	26	34,1	37,0	45,0	100	300	≠
485 :1	26	34,1	37,0	45,0	100	150	≠
900 :1	28	36,2	39,1	47,1	100	300	=
1 670 :1	28	36,2	39,1	47,1	100	150	=

¹⁾ These gearheads are available preloaded to zero backlash only when factory assembled to motors.

²⁾ Limited by the preloaded ball bearings. A higher axial load negates the preload.

Note: The reduction ratios are rounded, the exact values are available on request. For detailed information on zero backlash gearheads see page 120.

