

Spur Gearheads

0,05 Nm

For combination with:
 DC-Micromotors: 1319, 1331, 1516, 1524
 1616, 1624,
 DC-Motor-Tacho Combinations: 1841

Series 15/6, 16/6

	15/6 and 16/6
Housing material	metal
Geartrain material	steel ¹⁾
Recommended max. input speed for:	
- continuous operation	5000 rpm
Backlash, at no-load	≤ 3°
Bearings on output shaft	sintered sleeve bearings
Shaft load, max.:	
- radial (6,5 mm from mounting face)	≤ 4 N
- axial	≤ 5 N
Shaft press fit force, max.	≤ 30 N
Shaft play (on bearing output):	
- radial	≤ 0,03 mm
- axial	= 0,20 mm
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)	efficiency
			1319 E	1331E	1516 E 1616 E	1524 E 1624 E	continuous operation	intermittent operation		
	g	mm	L1 mm	L1 mm	L1 mm	L1 mm	M max. mNm	M max. mNm		%
6,3 :1	17	26,2	32,3	44,5	29,1	37,1	30	100	=	81
11,8 :1	17	26,2	32,3	44,5	29,1	37,1	30	100	=	81
22 :1	18	29,9	36,0	48,2	32,8	40,8	30	100	≠	73
41 :1	18	29,9	36,0	48,2	32,8	40,8	30	100	≠	73
76 :1	19	32,0	38,1	50,3	34,9	42,9	50	150	=	66
141 :1	19	32,0	38,1	50,3	34,9	42,9	50	150	=	66
262 :1	20	34,1	40,2	52,4	37,0	45,0	50	150	≠	59
485 :1	20	34,1	40,2	52,4	37,0	45,0	50	150	≠	59
900 :1	21	36,2	42,3	54,5	39,1	47,1	50	150	=	53
1 670 :1	21	36,2	42,3	54,5	39,1	47,1	50	150	=	53
3 101 :1	22	38,3	44,4	56,6	41,2	49,2	50	150	≠	48
5 752 :1	22	38,3	44,4	56,6	41,2	49,2	50	150	≠	48
10 683 :1	23	40,4	46,5	58,7	43,3	51,3	50	150	=	43
19 813 :1	23	40,4	46,5	58,7	43,3	51,3	50	150	=	43
36 796 :1	24	42,5	48,6	60,8	45,4	53,4	50	150	≠	39
68 245 :1	24	42,5	48,6	60,8	45,4	53,4	50	150	≠	39
126 741 :1	24	44,6	50,7	62,9	47,5	55,5	50	150	=	35
235 067 :1	24	44,6	50,7	62,9	47,5	55,5	50	150	=	35

1) Gearheads with ratio ≥ 3101:1 have plastic gears in the input stage.

For extended life performance, the gearheads are available with all steel gears and heavy duty lubricant: type 15/6 S and 16/6 S.

