

# Spur Gearheads

0,02 Nm

For combination with:  
DC-Micromotors: 1516, 1524

## Series 15/1

	15/1
Housing material	plastic
Geartrain material	all metal
Recommended max. input speed for:	
- continuous operation	5000 rpm
Backlash, at no-load	≤ 5°
Bearings on output shaft	brass sleeve bearings
Shaft load, max.:	
- radial (on bearing output)	≤ 2 N
- axial	≤ 1 N
Shaft press fit force, max.	≤ 5 N
Shaft play (on bearing output):	
- radial	≤ 0,03 mm
- axial	= 0,25 mm
Operating temperature range	- 30 ... + 65 °C

### Specifications

reduction ratio (nominal)	weight without motor g	length without motor L2 mm	length with motor		output torque		direction of rotation (reversible)	efficiency %
			1516 E L1 mm	1524 E L1 mm	continuous operation M max. mNm	intermittent operation M max. mNm		
11,8 :1	3	17,4	23,5	31,5	5	50	=	81
22 :1	4	17,0	24,5	32,5	10	50	≠	73
41 :1	4	17,0	24,5	32,5	15	50	≠	73
76 :1	4	18,1	25,6	33,6	15	50	=	66
141 :1	4	18,1	25,6	33,6	15	50	=	66
262 :1	5	19,7	27,2	35,2	15	50	≠	59
485 :1	5	19,7	27,2	35,2	15	50	≠	59
900 :1	5	21,2	28,7	36,7	20	50	=	53
1 670 :1	5	21,2	28,7	36,7	20	50	=	53
3 101 :1	5	22,8	30,3	38,3	20	50	≠	48
5 752 :1	6	22,8	30,3	38,3	20	50	≠	48

