

Planetary Gearheads

0,3 Nm

For combination with (overview on page 14-15)
DC-Micromotors:
1319, 1331, 1336

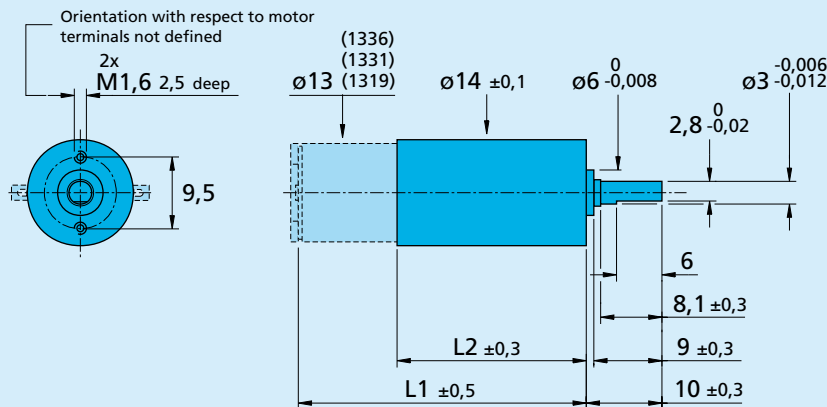
Series 14/1

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Housing material	metal
Geartrain material	all steel
Recommended max. input speed for:	
– continuous operation	5 000 rpm
Backlash, at no-load	≤ 1°
Bearings on output shaft	preloaded ball bearings
Shaft load, max.:	
– radial (6,5 mm from mounting face)	≤ 20 N
– axial	≤ 5 N
Shaft press fit force, max.	≤ 5 N
Shaft play (on bearing output):	
– radial	≤ 0,02 mm
– axial	= 0 mm
Operating temperature range	– 30 ... + 100 °C

Specifications

reduction ratio (nominal)	weight without motor g	length without motor L2 mm	length with motor			output torque		direction of rotation (reversible)	efficiency %
			1319 T L1 mm	1331 T L1 mm	1336 U L1 mm	continuous operation M max. mNm	intermittent operation M max. mNm		
3,71 :1	17	20,9	34,1	45,9	50,9	200	300	=	90
14 :1	20	25,0	38,2	50,0	55,0	300	450	=	80
43 :1	24	29,2	42,4	54,2	59,2	300	450	=	70
66 :1	24	29,2	42,4	54,2	59,2	300	450	=	70
134 :1	27	33,3	46,5	58,3	63,3	300	450	=	60
159 :1	27	33,3	46,5	58,3	63,3	300	450	=	60
246 :1	27	33,3	46,5	58,3	63,3	300	450	=	60
415 :1	30	37,4	50,6	62,4	67,4	300	450	=	55
592 :1	30	37,4	50,6	62,4	67,4	300	450	=	55
989 :1	30	37,4	50,6	62,4	67,4	300	450	=	55
1 526 :1	30	37,4	50,6	62,4	67,4	300	450	=	55
2 608 :1	34	41,5	54,7	66,5	71,5	300	450	=	50
4 365 :1	34	41,5	54,7	66,5	71,5	300	450	=	50
5 647 :1	34	41,5	54,7	66,5	71,5	300	450	=	50

Note: The reduction ratios are rounded, the exact values are available on request.



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