

# Planetary Gearheads

## 0,3 Nm

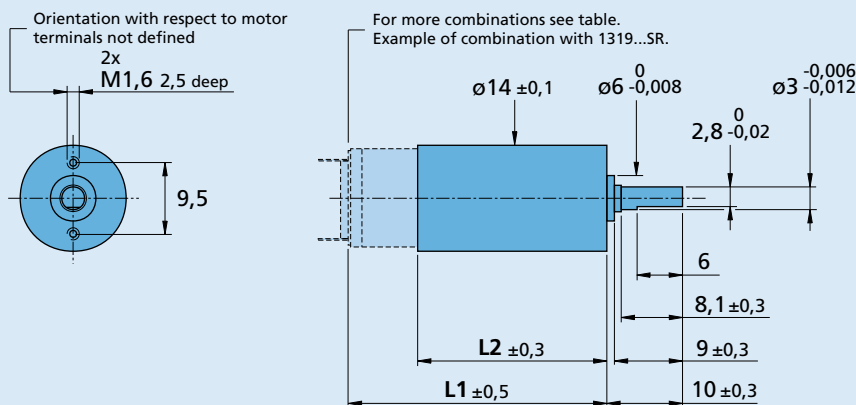
For combination with  
DC-Micromotors

### Series 14/1

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Housing material	metal
Geartrain material	steel
Recommended max. input speed for:	
– continuous operation	5 000 min <sup>-1</sup>
Backlash, at no-load	≤ 1 °
Bearings on output shaft	ball bearings, preloaded
Shaft load, max.:	
– radial (6,5 mm from mounting face)	≤ 20 N
– axial	≤ 5 N
Shaft press fit force, max.	≤ 15 N
Shaft play	
– radial (6,5 mm from mounting face)	≤ 0,04 mm
– axial	= 0 mm
Operating temperature range	- 30 ... + 100 °C

Technical data		1	2	3	4	5	6
Number of gear stages							
Continuous torque	mNm	200	300	300	300	300	300
Intermittent torque	mNm	300	450	450	450	450	450
Mass without motor, ca.	g	17	20	24	27	30	34
Efficiency, max.	%	90	80	70	60	55	50
Direction of rotation, drive to output		=	=	=	=	=	=
Reduction ratio <sup>1)</sup> (rounded)		3,71:1	9,7:1 14:1	43:1 66:1	94:1 112:1 134:1 159:1 190:1 246:1	415:1 592:1 989:1 1 526:1	2 608:1 4 365:1 5 647:1
L2 [mm] = length without motor		20,9	25,0	29,2	33,3	37,4	41,5
L1 [mm] = length with motor							
	1319T...SR	34,1	38,2	42,4	46,5	50,6	54,7
	1331T...SR	46,1	50,2	54,4	58,5	62,6	66,7
	1336U...CXR	50,9	55,0	59,2	63,3	67,4	71,5

<sup>1)</sup> The reduction ratios are rounded, the exact values are available on request or at [www.faulhaber.com](http://www.faulhaber.com).



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