

Planetary Gearheads

0,3 Nm

For combination with
DC-Micromotors

Series 14/1

	14/1
Housing material	metal
Geartrain material	steel
Recommended max. input speed for:	
– continuous operation	5 000 rpm
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.	≤ 5 N
Shaft play	
– radial (6,5 mm from mounting face)	≤ 0,02 mm
– axial	= 0 mm
Operating temperature range	- 30 ... + 100 °C

Specifications

	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
Weight 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 ¹⁾ (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	45,9	50,0	54,2	58,3	62,4	66,5
1336U...C	50,9	55,0	59,2	63,3	67,4	71,5

¹⁾ The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.

