

NEW

Planetary Gearheads

0,35 Nm

For combination with
DC-Micromotors
Brushless DC-Motors
Stepper Motors

Series 15/10

	15/10	15/10K
Housing material	stainless steel	stainless steel
Geartrain material	steel	steel
Recommended max. input speed for:		
- continuous operation	6 000 rpm	6 000 rpm
Backlash, at no-load	≤ 1,5 °	≤ 1,5 °
Bearings on output shaft	sintered bearings	ball bearings, preloaded
Shaft load, max.:		
- radial (6,5 mm from mounting face)	≤ 4 N	≤ 30 N
- axial	≤ 3 N	≤ 5 N
Shaft press fit force, max.	≤ 100 N	≤ 25 N
Shaft play		
- radial (6,5 mm from mounting face)	≤ 0,03 mm	≤ 0,03 mm
- axial	≤ 0,1 mm	= 0 mm
Operating temperature range	- 30 ... + 100 °C	- 30 ... + 100 °C

Specifications

		1	2	3	4	5
Number of gear stages						
Continuous torque	mNm	350	350	350	350	350
Intermittent torque	mNm	500	500	500	500	500
Mass without motor, ca.	g	19	23	27	31	35
Efficiency, max.	%	90	80	70	60	50
Direction of rotation, drive to output		=	=	=	=	=
Reduction ratio ¹⁾ (rounded)		3,33:1 4,5:1	11:1 15:1 20:1	37:1 44:1 50:1 68:1 81:1 91:1	123:1 148:1 167:1 178:1 200:1 240:1 270:1 304:1 365:1	412:1 494:1 593:1 667:1 750:1 800:1 900:1 1 013:1 1 367:1
L2 [mm] = length without motor		17,1	21,3	25,4	29,5	33,6
L1 [mm] = length with motor						
1516T...SR		32,9	37,1	41,2	45,3	49,4
1524T...SR		40,9	45,1	49,2	53,3	57,4
1624T...S		40,9	45,1	49,2	53,3	57,4
1717T...SR		34,1	38,3	42,4	46,5	50,6
1724T...SR		41,1	45,3	49,4	53,5	57,6
1727U...C		44,3	48,5	52,6	56,7	60,8
1741U...CXR		58,3	62,5	66,6	70,7	74,8
1524U...BSL		41,3	45,5	49,6	53,7	57,8
1536U...BSL		53,7	57,9	62,0	66,1	70,2
1628T...B		45,1	49,3	53,4	57,5	61,6
AM1524...-55		33,5	37,7	41,8	45,9	50,0

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

