

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 min ⁻¹	6 000 min ⁻¹
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)	≤ 0,05 mm	≤ 0,03 mm
– axial	≤ 0,1 mm	= 0 mm
Operating temperature range	- 30 ... + 100 °C	- 30 ... + 100 °C

Technical data

	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...CXR 44,3	48,5	52,6	56,7	60,8
	1741U...CXR 58,3	62,5	66,6	70,7	74,8
	1628T...B 45,1	49,3	53,4	57,5	61,6
	1645U...BHS 62,5	66,7	70,8	74,9	79,0
	1660U...BHS/BHT 77,5	81,7	85,8	89,9	94,0
	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.

