

Planetary Gearheads

0,3 Nm

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

Series 16/7

	16/7
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)	≤ 30 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 18	23	28	33	38	43
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	17,0	21,2	25,3	29,4	33,5	37,6
L1 [mm] = length with motor						
1516T...SR	32,8	37,0	41,1	45,2	49,3	53,4
1524T...SR	40,8	45,0	49,1	53,2	57,3	61,4
1624T...S	40,8	45,0	49,1	53,2	57,3	61,4
1717T...SR	34,0	38,2	42,3	46,4	50,5	54,6
1724T...SR	41,0	45,2	49,3	53,4	57,5	61,6
1727U...C	44,2	48,4	52,5	56,6	60,7	64,8
1741U...CXR	58,2	62,4	66,5	70,6	74,7	78,8
1524U...BSL	41,2	45,4	49,5	53,6	57,7	61,8
1536U...BSL	53,6	57,8	61,9	66,0	70,1	74,2
1628T...B	45,0	49,2	53,3	57,4	61,5	65,6
AM1524...-55	33,4	37,6	41,7	45,8	49,9	54,0

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

