

# Planetary Gearheads

## 0,55 Nm

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

### Series 17/1

	17/1	17/1 K
Housing material	stainless steel	stainless steel
Geartrain material	steel	steel
Recommended max. input speed for:		
– continuous operation	8 000 min <sup>-1</sup>	8 000 min <sup>-1</sup>
Backlash, at no-load	≤ 2 °	≤ 2 °
Bearings on output shaft	sintered bearings	ball bearings, preloaded
Shaft load, max.:		
– radial (6,5 mm from mounting face)	≤ 5 N	≤ 75 N
– axial	≤ 3 N	≤ 12 N
Shaft press fit force, max.	≤ 100 N	≤ 35 N
Shaft play		
– radial (6,5 mm from mounting face)	≤ 0,06 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 550	550	550	550	550
Intermittent torque	mNm 800	800	800	800	800
Mass without motor, ca.	g 28	35	42	49	56
Efficiency, max.	% 90	80	70	60	50
Direction of rotation, drive to output	=	=	=	=	=
Reduction ratio <sup>1)</sup> (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	18,6	23,7	28,8	33,9	39,1
L1 [mm] = length with motor					
1624T...S	42,4	47,5	52,6	57,7	62,9
1717T...SR	35,6	40,7	45,8	50,9	56,1
1724T...SR	42,6	47,7	52,8	57,9	63,1
1727U...CXR	45,8	50,9	56,0	61,1	66,3
1741U...CXR	59,8	64,9	70,0	75,1	80,3
1628T...B	46,6	51,7	56,8	61,9	67,1
1645U...BHS	64,0	69,1	74,2	79,3	84,5
1660U...BHS/BHT	79,0	84,1	89,2	94,3	99,5
AM1524...55	35,0	40,1	45,2	50,3	55,5

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

