

Planetary Gearheads

1 Nm

For combination with
DC-Micromotors
Brushless DC-Motors

Series 22F

	22F
Housing material	steel
Geartrain material	metal
Recommended max. input speed for:	
– continuous operation	6 000 rpm
Backlash, at no-load	≤ 3,5 °
Bearings on output shaft	ball bearings
Shaft load, max.:	
– radial (10 mm from mounting face)	≤ 70 N
– axial	≤ 100 N
Shaft press fit force, max.	≤ 100 N
Shaft play	
– radial (10 mm from mounting face)	≤ 0,06 mm
– axial	≤ 0,2 mm
Operating temperature range	- 30 ... + 100 °C

Specifications

	1	2	3	4
Number of gear stages				
Continuous torque	mNm 400	600	900	1 000
Intermittent torque	mNm 600	900	1 350	1 500
Weight without motor, ca.	g 41	57	75	90
Efficiency, max.	% 80	75	70	60
Direction of rotation, drive to output	=	=	=	=
Reduction ratio ¹⁾ (rounded)	4:1	14:1 16:1 19:1 25:1	51:1 59:1 68:1 71:1 93:1 100:1 107:1 130:1 169:1	189:1 218:1 252:1 264:1 292:1 305:1 344:1
L2 [mm] = length without motor	26,6	34,8	42,9	51,1
L1 [mm] = length with motor	2224U...SR 50,8	2232U...SR 59,0	2237S...CXR 67,1	2342S...CR 75,3
	2237S...CXR 63,6	2342S...CR 71,8	2232S...BX4(S) 79,9	2250S...BX4(S) 88,1
	2232S...BX4(S) 68,6	2250S...BX4(S) 76,8		93,1
				84,9
				84,9
				102,9

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

