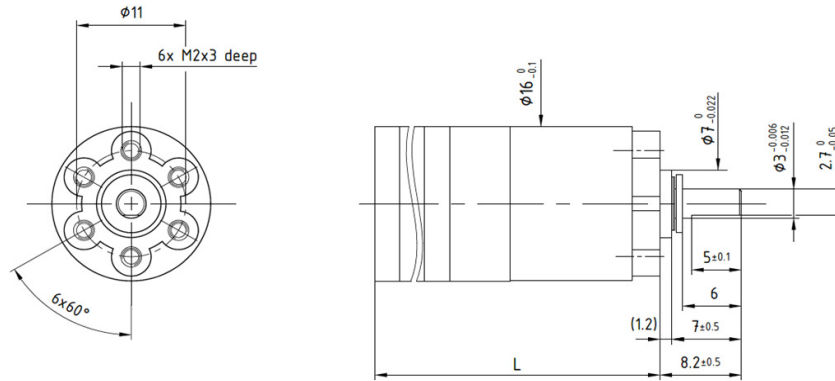


BA16

Gearbox with Spur Gears and Planetary Output

∅ 16mm

0.2 Nm



Dimensions in mm

Ratio	****	22.5	40.5	67.5	121.5	202.5	243	364.5	607.8	1093.5	1822.5	3280.5
1	Number of Gear Stages	3	3	4	4	5	5	5	6	6	7	7
2	Direction of Rotation	=	=	≠	≠	=	=	=	≠	≠	=	=
3	Efficiency	0.72	0.72	0.65	0.65	0.59	0.59	0.59	0.53	0.53	0.48	0.48
4	L (mm)	26.7	26.7	29.2	29.2	31.7	31.7	31.7	34.2	34.2	36.7	36.7
5	Weight g (oz)	12 (0.423)	12 (0.423)	13 (0.458)	13 (0.458)	14 (0.493)	14 (0.493)	15 (0.529)	15 (0.529)	15 (0.529)	16 (0.564)	16 (0.564)
6	Available with Motor - L2 = Length with motor (mm)											
	16C18	45.4	45.4	47.9	47.9	51.4	51.4	51.4	52.9	52.9	55.4	55.4
	16N28/78	54.7	54.7	57.2	57.2	59.7	59.7	59.7	62.2	62.2	64.7	64.7
	16G88	54.7	54.7	57.2	57.2	59.7	59.7	59.7	62.2	62.2	64.7	64.7
	17S78	48.4	48.4	50.9	50.9	53.4	53.4	53.4	55.9	55.9	58.4	58.4
	17N78	52.6	52.6	55.1	55.1	57.6	57.6	57.6	60.1	60.1	62.6	62.6
	P110	45.7	45.7	48.2	48.2	50.7	50.7	50.7	53.2	53.2	55.7	55.7
	16DCP/17DCT	52.7	52.7	55.2	55.2	57.7	57.7	57.7	60.2	60.2	62.7	62.7

Characteristics		BA16 · 0 ·	BA16 2R · 0 ·
7	Shaft Bearings	Sleeve	Ball Bearing
8	Maximum Static Torque	Nm (oz-in)	0.4 (57)
9	Maximum Radial Force		
	@ 8mm from mounting face	N (lb)	5 (1.1)
10	Maximum Axial Force	N (lb)	10 (2.2)
11	Maximum Press Fit Force	N (lb)	200 (44)
12	Average Backlash @ no-load		1.5°
13	Average Backlash @ 0.3 Nm		3°
	Shaft Play:		
14	-radial	µm	≤ 30
15	-axial	µm	≤ 150
16	Maximum Recommended Input Speed	rpm	8000
17	Operating Temperature Range:	°C (°F)	-30 to +65 (-22 to +150)

Motor + gearbox = L2

