

scale 1:1
dimensions in mm

BA16 • 0 ...

Ratio¹⁾ ... 22.5 40.5 67.5 121.5 202.5 243 364.5 607.5 1093.5 1822.5 3280.5

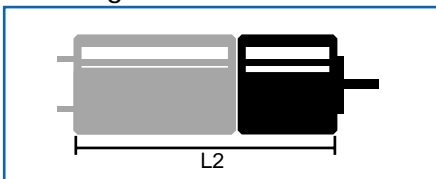
1 No. of gear stages	3	3	4	4	5	5	5	6	6	7	7
2 Dir. of rotation	=	=	≠	≠	=	=	=	≠	≠	=	=
3 Efficiency	0.72	0.72	0.65	0.65	0.59	0.59	0.59	0.53	0.53	0.48	0.48
4 L1 (mm)	26.7	26.7	29.2	29.2	31.7	31.7	31.7	34.2	34.2	36.7	36.7
5 Mass (g)	12	12	13	13	14	14	14	15	15	16	16
6 Available with motor	L2- length with motor (mm)										
16C18 • 67	44.4	44.4	46.9	46.9	49.4	49.4	49.4	51.9	51.9	54.4	54.4
16N28 • 235	50.9	50.9	53.4	53.4	55.9	55.9	55.9	58.4	58.4	60.9	60.9
17N78 • 5	52.1	52.1	54.6	54.6	57.1	57.1	57.1	59.6	59.6	62.1	62.1
P110 • 8	45.7	45.7	48.2	48.2	50.7	50.7	50.7	53.2	53.2	55.7	55.7

Also available: 17S78 • 5 / 18G88 • 5

Availability: see enclosed document at the end of the catalogue

1) ratios 5467 and 9841 available on request

Motor + gearbox = L2



Characteristics

BA16 • 0 BA16 2R • 0

		sleeve bearings	ball bearings
7 Bearing type		sleeve bearings	ball bearings
8 Max. static torque	Nm (oz-in)	0.4 (57)	0.4 (57)
9 Max. radial force at 5 mm from mounting face	N (lb)	5 (1.1)	15 (3.3)
10 Max. axial force	N (lb)	5 (1.1)	10 (2.2)
11 Force for press-fit	N (lb)	200 (44)	200 (44)
12 Average backlash at no-load		1.5°	1.5°
13 Average backlash at 0,1 Nm		3°	3°
14 Radial play	µm	≤ 30	≤ 10
15 Axial play	µm	≤ 150	≤ 100
16 Max. recom. input speed	rpm	8000	8000
17 Operating temperature range	°C (°F)	-30 ... +65 (-22...+150)	

