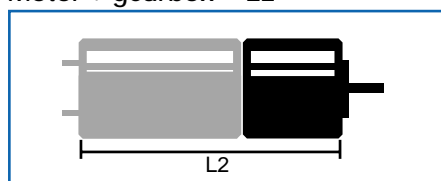


Ratio	...	5.5	22	30.2	88	121	166	352	484	665.5	915
1 No. of gear stages		1	2	2	3	3	3	4	4	4	4
2 Dir. of rotation		=	=	=	=	=	=	=	=	=	=
3 Efficiency		0.85	0.75	0.75	0.65	0.65	0.65	0.55	0.55	0.55	0.55
4 L1 (mm)		14.5	18.6	18.6	22.7	22.7	22.7	26.8	26.8	26.8	26.8
5 Mass (g)		6	9	9	12	12	12	15	15	15	15
6 Available with motor		L2- length with motor (mm)									
13N88 • 1 / • 3		43.1	47.2	47.2	51.3	51.3	51.3	55.4	55.4	55.4	55.4

Availability: see enclosed document at the end of the catalogue

Motor + gearbox = L2



Characteristics		R13 • 0	R13 2R • 0
7 Bearing type		sleeve	ball
8 Max. static torque	Nm (oz-in)	0.5 (71)	0.5 (71)
9 Max. radial force			
at 8 mm from mounting face	N (lb)	5 (1.12)	20 (4.5)
10 Max. axial force	N (lb)	8 (1.8)	10 (2.2)
11 Force for press-fit	N (lb)	300 (23)	100 (23)
12 Average backlash at no-load		1.25°	1.25°
13 Average backlash at 0.25 Nm		2°	2°
14 Radial play	µm	≤ 20	≤ 10
15 Axial play	µm	50 -150	≤ 50
16 Max. recom. input speed	rpm	7500	7500
17 Operating temperature range	°C (°F)	-30 ... +85 (-22...+185)	

