



PAYLOAD DATA

Stroke Length	Maximum Load (lbs)	Maximum Moments (in-lbs)	Maximum Deflection	
			P1	P2
1 [25.4 mm]	40 [18.2 kg]	240 [27.1 Nm]	.001 [.03 mm]	.001 [.03 mm]
2 [50.8 mm]	40 [18.2 kg]	205 [23.2 Nm]	.001 [.03 mm]	.001 [.03 mm]
3 [76.2 mm]	40 [18.2 kg]	176 [19.9 Nm]	.003 [.07 mm]	.002 [.05 mm]
4 [101.6 mm]	40 [18.2 kg]	155 [17.5 Nm]	.004 [.10 mm]	.003 [.07 mm]
5 [127.0 mm]	40 [18.2 kg]	137 [15.5 Nm]	.007 [.17 mm]	.006 [.15 mm]
6 [152.4 mm]	40 [18.2 kg]	120 [12.5 Nm]	.009 [.22 mm]	.007 [.17 mm]
7 [XXX mm]	40 [18.2 kg]	110 [12.5 Nm]	.012 [.30 mm]	.010 [.25 mm]
8 [XXX mm]	40 [18.2 kg]	100 [11.3 Nm]	.016 [.40 mm]	.013 [.33 mm]
9 [XXX mm]	40 [18.2 kg]	93 [10.5 Nm]	.019 [.50 mm]	.016 [.40 mm]
10 [XXX mm]	40 [18.2 kg]	86 [9.7 Nm]	.022 [.55 mm]	.018 [.45 mm]
11 [XXX mm]	40 [18.2 kg]	80 [9 Nm]	.024 [.60 mm]	.020 [.50 mm]
12 [XXX mm]	40 [18.2 kg]	75 [8.5 Nm]	.025 [.63 mm]	.021 [.53 mm]

Unless noted, all tolerances are as indicated here:



All Dowel Holes are SF (Slip Fit) Locational Tolerance $\pm .0005"$ [.013mm]



Metric Threads Course Pitch

Imperial: 0.00 = $\pm .01$
Inch 0.000 = $\pm .005$
0.0000 = $\pm .0005$

Metric: [0.] = $\pm .25$
[0.0] = $\pm .13$
[0.00] = $\pm .013$