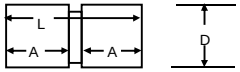
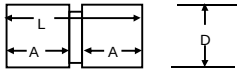
5000 Series (Cantilever) Pivots - Dimensions and Charateristics

lb to N	4.448	in to mm	25.4

Catalog Number	Torsional Spring Rate(2) in - lb / Degree	Load Capacity - Pounds (1) Load At Center of "A" Dimension (see Figure)		Dimensions (Inches) 		
		Vc	Vt	Diameter +0 -0.0005	L +0.003 -0.003	A +0.005 -0.005
5004-400	0.0140	25.5	25.5			
5004-600	0.0017	8.9	13.0	0.1250	0.200	0.095
5004-800	0.0002	0.97	3.7			
5005-400	0.0279	39.5	39.5			
5005-600	0.0035	13.8	20.0	0.1562	0.250	0.120
5005-800	0.0004	1.50	6.0			
5006-400	0.0473	56.0	56.0			
5006-600	0.0057	19.8	28.0	0.1875	0.300	0.142
5006-660	0.0037	12.2	20.2			
5006-800	0.0007	2.1	8.0			
5008-400	0.1141	101.0	101.0			
5008-600	0.0143	35.5	51.0	0.2500	0.400	0.190
5008-800	0.0018	3.7	14.5			
5010-400	0.2234	158.0	158.0			
5010-600	0.0286	55.0	79.0	0.3125	0.500	0.238
5010-800	0.0036	5.8	23.0			
5012-400	0.3840	228.0	228.0			
5012-600	0.0480	80.0	114.0	0.3750	0.600	0.285
5012-800	0.0058	8.4	32.8			
5016-400	0.9080	403.0	403.0			
5016-600	0.1134	141.0	202.0	0.5000	0.800	0.380
5016-800	0.0142	14.6	58.0			
5020-400	1.8500	634.0	634.0			
5020-600	0.2321	222.0	317.0	0.6250	1.000	0.475
5020-800	0.0295	23.0	93.0			
5024-400	3.1800	910.0	910.0			
5024-600	0.3980	318.0	455.0	0.7500	1.200	0.570
5024-800	0.0500	33.0	130.0			
5032-400	7.5200	1620.0	1620.0			
5032-600	0.9390	567.0	815.0	1.0000	1.600	0.770
5032-800	0.1175	60.0	236.0			

Catalog Number	Torsional Spring Rate (2) N - mm / Degree	Load Capacity - N (1) Load At Center of "C" Dimension (see Figure)		Dimensions (mm) 		
		Vc	Vt	Diameter 0 -0.0127	L 0.0762 -0.0762	A 0.127 -0.127
5004-400	1.58	113.4	113.4			
5004-600	0.19	39.6	57.8	3.175	5.08	2.413
5004-800	0.02	4.3	16.5			
5005-400	3.15	175.7	175.7			
5005-600	0.40	61.4	89.0	3.96748	6.35	3.048
5005-800	0.05	6.7	26.7			
5006-400	5.34	249.1	249.1			
5006-600	0.64	88.1	124.6	4.7625	7.62	3.6068
5006-660	0.42	54.3	89.9			
5006-800	0.08	9.3	35.6			
5008-400	12.89	449.3	449.3			
5008-600	1.62	157.9	226.9	6.35	10.16	4.826
5008-800	0.20	16.5	64.5			
5010-400	25.24	702.8	702.8			
5010-600	3.23	244.7	351.4	7.9375	12.7	6.0452
5010-800	0.41	25.8	102.3			
5012-400	43.39	1014.2	1014.2			
5012-600	5.42	355.9	507.1	9.525	15.24	7.239
5012-800	0.66	37.4	145.9			
5016-400	102.59	1792.6	1792.6			
5016-600	12.81	627.2	898.5	12.7	20.32	9.652
5016-800	1.60	64.9	258.0			
5020-400	209.02	2820.2	2820.2			
5020-600	26.22	987.5	1410.1	15.875	25.4	12.065
5020-800	3.33	102.3	413.7			
5024-400	359.29	4047.9	4047.9			
5024-600	44.97	1414.5	2023.9	19.05	30.48	14.478
5024-800	5.65	146.8	578.3			
5032-400	849.64	7206.1	7206.1			
5032-600	106.09	2522.1	3625.3	25.4	40.64	19.558
5032-800	13.28	266.9	1049.8			

(1) Pounds/Newtons at zero deflection based on pure radial load. Performance of pivot is a function of number of cycles, angular travel, and radial load.
Must use **Cycle Life Curves** for selection of proper pivot. **When the load is applied directly through a single spring, multiply capacity by .707**
(2) At Zero Load. Torsional Spring Rate may change with radial load

6000 Series (Double Ended) Pivots - Dimensions and Characteristics

lb to N	4.44821628	in to mm	25.4

Catalog Number	Torsional Spring Rate (2) in - lb / Degree	Load Capacity - Pounds (1) Load At Center of "C" Dimension (see Figure)		Dimensions (Inches)			
		Vc	Vt	Diameter +0 -0.0005	L +0.003 -0.003	B +0.005 -0.005	C +0.005 -0.015
6004-400	0.0140	28.0	28.0				
6004-600	0.0017	17.7	25.0	0.1250	0.200	0.045	0.085
6004-800	0.0002	2.20	4.7				
6005-400	0.0279	44.0	44.0				
6005-600	0.0035	27.6	39.0	0.1562	0.250	0.057	0.110
6005-800	0.0004	3.50	7.4				
6006-400	0.0473	63.0	63.0				
6006-600	0.0057	39.6	56.0	0.1875	0.300	0.067	0.130
6006-800	0.0007	4.9	9.0				
6008-400	0.1141	113.0	113.0				
6008-600	0.0143	70.7	100.0	0.2500	0.400	0.090	0.175
6008-800	0.0018	8.5	19.0				
6010-400	0.2234	176.0	176.0				
6010-600	0.0286	110.0	156.0	0.3125	0.500	0.112	0.220
6010-800	0.0036	14.0	29.0				
6012-400	0.3840	253.0	253.0				
6012-600	0.0480	159.0	225.0	0.3750	0.600	0.135	0.265
6012-800	0.0058	19.8	42.0				
6016-400	0.9080	450.0	450.0				
6016-600	0.1134	283.0	400.0	0.5000	0.800	0.180	0.355
6016-800	0.0142	35.4	75.0				
6020-400	1.8500	703.0	703.0				
6020-600	0.2321	442.0	625.0	0.6250	1.000	0.225	0.445
6020-800	0.0295	55.0	117.0				
6024-400	3.1800	1013.0	1013.0				
6024-600	0.3980	636.0	900.0	0.7500	1.200	0.270	0.535
6024-800	0.0500	78.0	169.0				
6032-400	7.5200	1800.0	1800.0				
6032-600	0.9390	1131.0	1600.0	1.0000	1.600	0.370	0.735
6032-800	0.1175	141.0	300.0				

Catalog Number	Torsional Spring Rate (2) N - mm / Degree	Load Capacity - N (1) Load At Center of "C" Dimension (see Figure)		Dimensions (mm)			
		Vc	Vt	Diameter 0 -0.0127	L 0.0762 -0.0762	B 0.127 -0.127	C 0.127 -0.381
6004-400	1.58	124.6	124.6				
6004-600	0.19	78.7	111.2	3.175	5.08	1.143	2.159
6004-800	0.02	9.8	20.9				
6005-400	3.15	195.7	195.7				
6005-600	0.40	122.8	173.5	3.96748	6.35	1.4478	2.794
6005-800	0.05	15.6	32.9				
6006-400	5.34	280.2	280.2				
6006-600	0.64	176.1	249.1	4.7625	7.62	1.7018	3.302
6006-800	0.08	21.8	40.0				
6008-400	12.89	502.6	502.6				
6008-600	1.62	314.5	444.8	6.35	10.16	2.286	4.445
6008-800	0.20	37.8	84.5				
6010-400	25.24	782.9	782.9				
6010-600	3.23	489.3	693.9	7.9375	12.7	2.8448	5.588
6010-800	0.41	62.3	129.0				
6012-400	43.39	1125.4	1125.4				
6012-600	5.42	707.3	1000.8	9.525	15.24	3.429	6.731
6012-800	0.66	88.1	186.8				
6016-400	102.59	2001.7	2001.7				
6016-600	12.81	1258.8	1779.3	12.7	20.32	4.572	9.017
6016-800	1.60	157.5	333.6				
6020-400	209.02	3127.1	3127.1				
6020-600	26.22	1966.1	2780.1	15.875	25.4	5.715	11.303
6020-800	3.33	244.7	520.4				
6024-400	359.29	4506.0	4506.0				
6024-600	44.97	2829.1	4003.4	19.05	30.48	6.858	13.589
6024-800	5.65	347.0	751.7				
6032-400	849.64	8006.8	8006.8				
6032-600	106.09	5030.9	7117.1	25.4	40.64	9.398	18.669
6032-800	13.28	627.2	1334.5				

(1) Pounds/Newtons at zero deflection based on pure radial load. Performance of pivot is a function of number of cycles, angular travel, and radial load.

Must use **Cycle Life Curves** for selection of proper pivot. **When the load is applied directly through a single spring, multiply capacity by .707**

(2) At Zero Load. Torsional Spring Rate may change with radial load