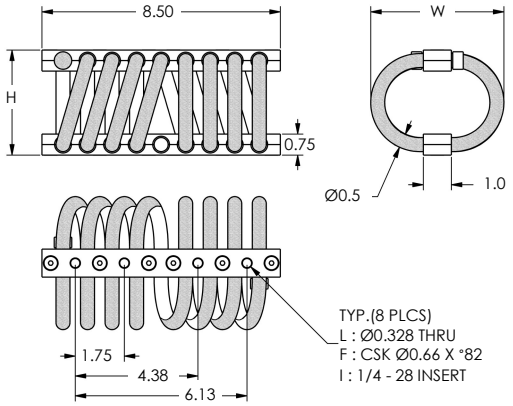
CA10008 Series

Shock Tech
SAFER WORLD GROUP
Better Partner. Better Value.™

TELEPHONE: 845-368-8600
FAX: 845-369-8799
EMAIL: info@shocktech.com



Mounting Hole Description & Suffix	
II	Threaded inserts in both bars
IF	Threaded insert in one bar, countersunk hole in other
FF	Countersunk hole in both bars
IL	Threaded insert in one bar and through hole in other
LL	Through hole in both bars
LF	Countersunk hole in one bar and through hole in the other

Table 1: Mounting Holes

Part Number	Dimensions (in)		Load Mode	Shock Isolation			Vibration Isolation	
	H	W		Average Stiffness (lbs/in)	Max Dynamic Load (lbs)	Max Dynamic Deflect. (in.)	Max Static Load (lbs)	Max Static Deflect. (in.)
CA10008-01	2.95	3.60	45 Degrees	1000	1800	1.80	450	0.20
			Compression	2167	2600	1.20	440	0.12
			Shear/Roll	1700	1700	1.00	330	0.20
CA10008-05	3.25	4.00	45 Degrees	762	1600	2.10	450	0.30
			Compression	1600	2400	1.50	440	0.16
			Shear/Roll	1208	1450	1.20	240	0.30
CA10008-02	3.50	4.13	45 Degrees	568	1420	2.50	480	0.40
			Compression	1294	2200	1.70	480	0.20
			Shear/Roll	962	1250	1.30	280	0.40
CA10008-03	3.75	4.75	45 Degrees	436	1220	2.80	440	0.50
			Compression	1105	2100	1.90	400	0.25
			Shear/Roll	667	1000	1.50	300	0.50
CA10008-06	4.25	5.25	45 Degrees	303	1000	3.30	340	0.60
			Compression	672	1580	2.35	310	0.30
			Shear/Roll	500	900	1.80	250	0.60
CA10008-04	4.30	5.90	45 Degrees	282	960	3.40	300	0.60
			Compression	625	1500	2.40	240	0.30
			Shear/Roll	350	700	2.00	190	0.60
CA10008-07	4.90	5.65	45 Degrees	215	860	4.00	290	0.70
			Compression	431	1250	2.90	240	0.35
			Shear/Roll	304	700	2.30	150	0.70
CA10008-08	5.40	6.13	45 Degrees	191	860	4.50	280	0.80
			Compression	337	1180	3.50	240	0.40
			Shear/Roll	230	600	2.60	140	0.80
CA10008-09	6.10	7.10	45 Degrees	129	670	5.20	260	1.0
			Compression	239	980	4.10	200	0.5
			Shear/Roll	200	600	3.00	130	1.0

Table 2: Values for Dimensions in Drawing & Performance Characteristics

Materials:

– Cable: Stainless Steel [Standard] Or Galvanized Iron [Optional]

– Retainer Bars: Aluminum Alloy Chromate treated per MIL-C-5541

Operating Temperature:

– -290°F to 570°F

Natural Frequency:

– 7 to 20 Hz

Transmissibility at Resonance:

– 3.5 Max

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To Order:

Select Part Number from Table 2 and add suffix for mounting holes from Table 1

Ex: CA01010-01FF

1 Loop; Threaded insert in both bars

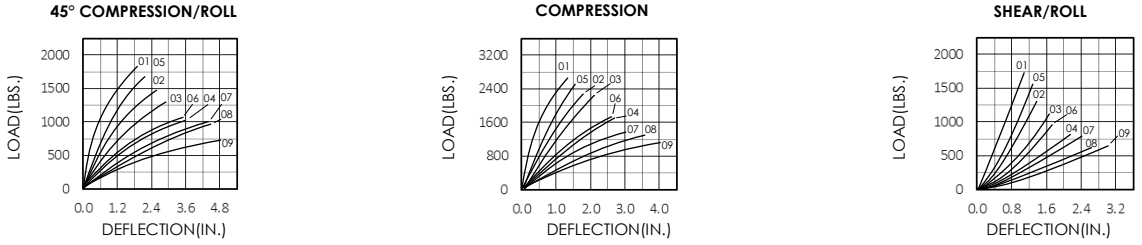

Figure 1: Load Vs. Deflection in each Load Mode