

C/CB SERIES



0.03 - 1.50"
WIRE ROPE

WIRE ROPE ISOLATORS

APPLICATIONS



HELICAL WIRE ROPE ISOLATORS

The C/CB Series isolators are made up of helical, stranded-wire rope held with rugged metal retaining bars. This design provides excellent shock and vibration isolation in a practically unlimited range of applications – vehicles, shipboard equipment, heavy machinery, aircraft, engines, and electronic gear. All C/CB Series models offer specific response characteristics based on the diameter of the wire rope, the number of strands, the cable loop length, and the number of loops per section. This performance is measurable and predictable for each of the C/CB Series sizes and configurations.

The standard C/CB Series helical wire rope isolators are made of stainless steel wire rope and corrosion-resistant aluminum alloy retainer bars. Other materials including galvanized wire rope and stainless steel

retainer bars are available. The isolators offer three-plane, all-axis isolation that permits use in any attitude – vertically, horizontally and laterally. The large dynamic displacement attenuates heavy shocks, while the inherent damping provided by the sliding friction between the strands of the wire rope enable the C/CB Series to minimize post-shock noise and lower resonant peaks.

The C/CB Series isolators will function in any temperature from -400°F to +700°F. The isolators resist ozone, oil, grease, sand, salt spray and organic solvents – providing permanent solutions to any environmental demand. Once installed, the C/CB Series need little or no maintenance and usually will outlast the protected equipment. Contact VMC for special materials or mounting plates.

FEATURES & BENEFITS

- Wide range of available sizes permits attachment to almost any machinery or enclosure regardless of weight.
- Compact, low profile design and the ability to attenuate heavy shock loads with minimum deflection allows use where space is at a premium.
- Three-plane, all-axis isolation means that the equipment is free to move in any direction – vertically, horizontally and laterally.
- Custom winding, loop count and mounting features are available to meet specific requirements.
- Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

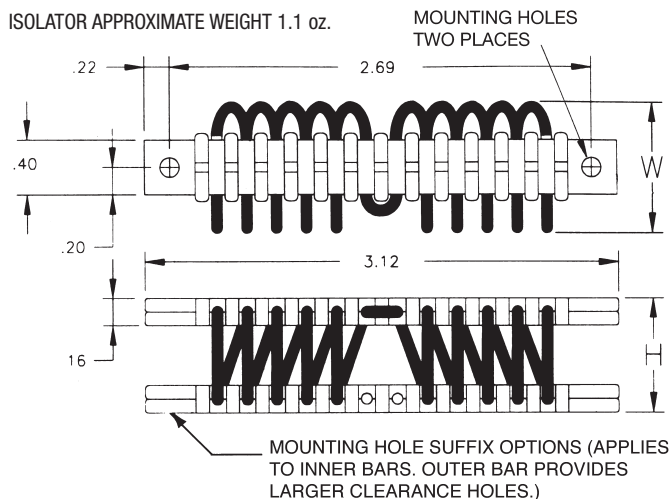
WIRE ROPE ISOLATORS

C/CB SERIES

TECHNICAL

C2 SERIES – 1/16" WIRE ROPE

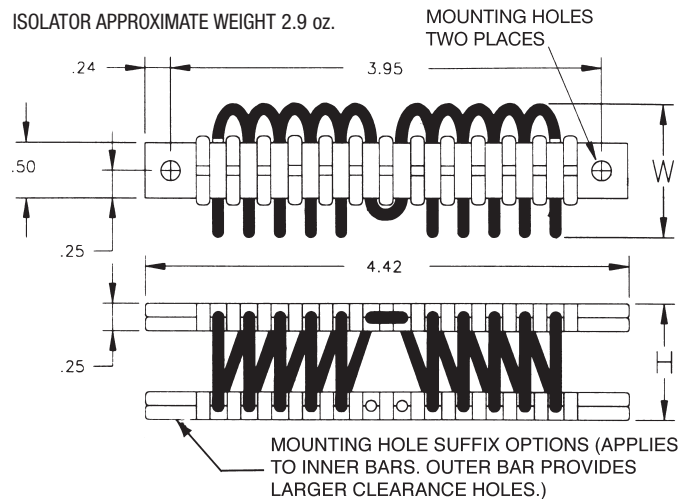
MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
C2-H-310-[]	0.7	1.0	Compression Shear/Roll 45° C/R	165 100 50	225 80 95	0.30 0.35 0.45
C2-H-410-[]	0.8	1.1	Compression Shear/Roll 45° C/R	80 65 35	120 50 65	0.45 0.45 0.50
C2-H-510-[]	1.0	1.2	Compression Shear/Roll 45° C/R	50 45 20	85 30 45	0.50 0.50 0.70
C2-H-610-[]	1.1	1.3	Compression Shear/Roll 45° C/R	35 30 12	60 20 30	0.60 0.60 0.75
C2-H-710-[]	1.2	1.4	Compression Shear/Roll 45° C/R	30 15 10	55 12 20	0.70 0.70 0.80
C2-H-810-[]	1.3	1.5	Compression Shear/Roll 45° C/R	20 12 8	30 10 14	0.80 0.80 0.85



[] BLANK = Ø .177 THRU 4PL
 C2= Ø .177 THRU
 C'SINK Ø .31 X 82° 4PL
 I2= #8-32 INSERTS 4PL
 CI= #8-32 INSERTS 2 PL
 Ø .177 THRU
 C'SINK Ø .31 X 82° 2PL

C3 SERIES – 3/32" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
C3-H-310-[]	.90	1.10	Compression Shear/Roll 45° C/R	340 155 130	480 140 260	0.30 0.40 0.60
C3-H-410-[]	1.00	1.20	Compression Shear/Roll 45° C/R	275 120 100	385 105 200	0.35 0.50 0.70
C3-H-510-[]	1.10	1.30	Compression Shear/Roll 45° C/R	200 90 55	285 75 145	0.40 0.55 0.80
C3-H-610-[]	1.30	1.50	Compression Shear/Roll 45° C/R	100 45 40	155 45 100	0.60 0.70 1.00
C3-H-710-[]	1.40	1.60	Compression Shear/Roll 45° C/R	55 35 30	85 35 65	0.80 0.80 1.20
C3-H-810-[]	1.50	1.70	Compression Shear/Roll 45° C/R	40 25 20	70 30 50	0.90 0.90 1.20



[] BLANK = Ø .196 THRU 4PL
 C2= Ø .196 THRU
 C'SINK Ø .39 X 82° 4PL
 I2= #10-32 INSERTS 4PL
 CI= #10-32 INSERTS 2 PL
 Ø .196 THRU
 C'SINK Ø .39 X 82° 2PL

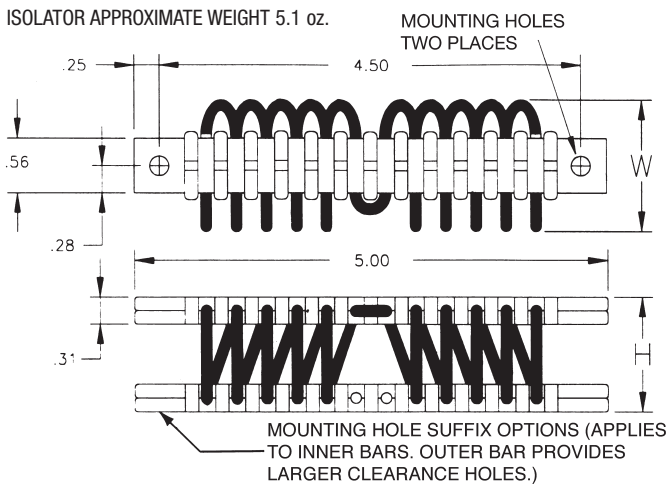
NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

C4 SERIES – 1/8" WIRE ROPE

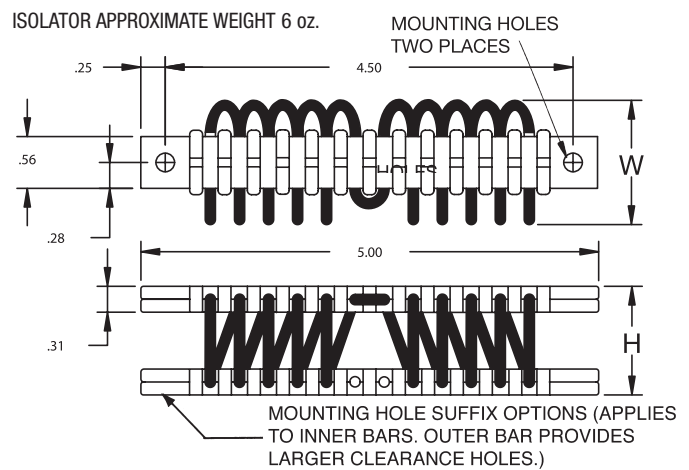
MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H ±.06	W (REF)				
C4-H-310-[]	1.10	1.40	Compression Shear/Roll 45° C/R	600 300 220	800 290 450	0.40 0.50 0.70
C4-H-410-[]	1.20	1.50	Compression Shear/Roll 45° C/R	480 240 185	710 225 370	0.50 0.60 0.80
C4-H-510-[]	1.30	1.60	Compression Shear/Roll 45° C/R	295 145 100	475 115 285	0.60 0.70 0.90
C4-H-610-[]	1.40	1.70	Compression Shear/Roll 45° C/R	255 115 80	405 80 255	0.70 0.80 1.00
C4-H-710-[]	1.50	1.80	Compression Shear/Roll 45° C/R	200 90 65	340 75 190	0.80 0.90 1.10
C4-H-810-[]	1.60	1.90	Compression Shear/Roll 45° C/R	170 85 55	280 55 160	0.90 1.00 1.20

C5 SERIES – 5/32" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H ±.06	W (REF)				
C5-H-310-[]	1.10	1.40	Compression Shear/Roll 45° C/R	1310 650 485	1750 635 985	0.40 0.50 0.70
C5-H-410-[]	1.20	1.50	Compression Shear/Roll 45° C/R	1045 520 400	1550 490 810	0.50 0.60 0.80
C5-H-510-[]	1.30	1.60	Compression Shear/Roll 45° C/R	640 315 220	1035 250 620	0.60 0.70 0.90
C5-H-610-[]	1.40	1.70	Compression Shear/Roll 45° C/R	555 245 140	885 175 415	0.70 0.80 1.00
C5-H-710-[]	1.50	1.80	Compression Shear/Roll 45° C/R	440 200 65	740 175 190	0.80 0.90 1.10
C5-H-810-[]	1.60	1.90	Compression Shear/Roll 45° C/R	365 180 120	610 120 350	0.90 1.00 1.20



- [] BLANK = Ø .257 THRU 4PL
- C2= Ø .257 THRU
C'SINK Ø .52 X 82° 4PL
- I2= #1/4-20 INSERTS 4PL
- CI= #1/4-20 INSERTS 2 PL
Ø .257 THRU
C'SINK Ø .52 X 82° 2PL



- [] BLANK = Ø .257 THRU 4PL
- C2= Ø .257 THRU
C'SINK Ø .52 X 82° 4PL
- I2= #1/4-20 INSERTS 4PL
- CI= #1/4-20 INSERTS 2 PL
Ø .257 THRU
C'SINK Ø .52 X 82° 2PL

NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

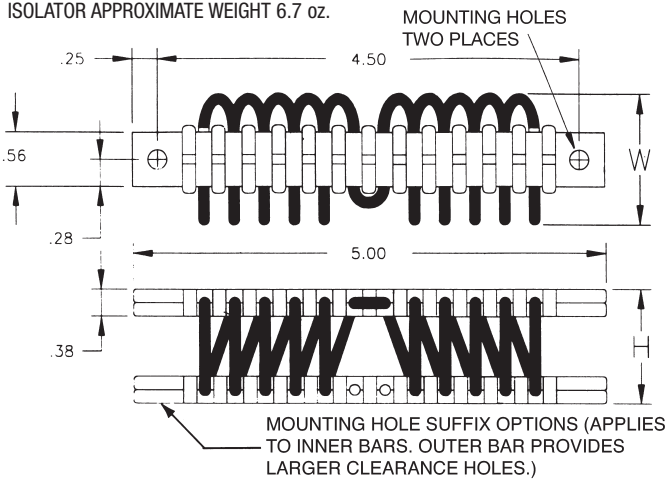
WIRE ROPE ISOLATORS

C/CB SERIES

C6 SERIES – 3/16" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
C6-H-310-[]	1.20	1.40	Compression Shear/Roll 45° C/R	2845 1060 1420	5100 1280 3300	0.35 0.50 0.50
C6-H-410-[]	1.30	1.50	Compression Shear/Roll 45° C/R	1835 800 815	3340 900 1930	0.40 0.55 0.70
C6-H-510-[]	1.40	1.60	Compression Shear/Roll 45° C/R	1510 595 555	2820 620 1440	0.45 0.60 0.90
C6-H-610-[]	1.50	1.70	Compression Shear/Roll 45° C/R	1285 425 440	2520 390 1200	0.50 0.60 1.00
C6-H-710-[]	1.60	1.80	Compression Shear/Roll 45° C/R	1015 290 335	1680 270 920	0.60 0.70 1.20
C6-H-810-[]	1.70	1.90	Compression Shear/Roll 45° C/R	790 175 275	1470 230 780	0.70 0.80 1.30

ISOLATOR APPROXIMATE WEIGHT 6.7 oz.

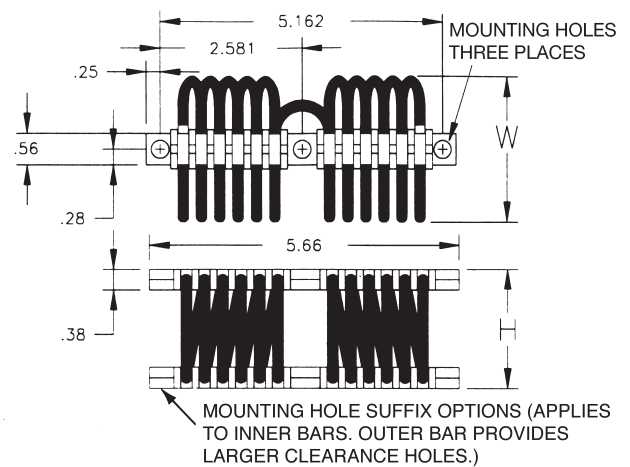


- [] BLANK = Ø .257 THRU 4PL
- C2= Ø .257 THRU
- C'SINK Ø .52 X 82° 4PL
- I2= #1/4-20 INSERTS 4PL
- CI= #1/4-20 INSERTS 2 PL
- Ø .257 THRU
- C'SINK Ø .52 X 82° 2PL

C1260 SERIES – 3/16" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
C1260-13-[]	2.00	2.28	Compression Shear/Roll 45° C/R	340 155 155	555 175 365	1.00 1.00 1.80
C1260-16-[]	2.06	2.50	Compression Shear/Roll 45° C/R	295 125 140	470 140 305	1.10 1.10 1.90
C1260-20-[]	2.13	2.94	Compression Shear/Roll 45° C/R	185 80 100	305 90 220	1.30 1.30 2.10
C1260-39-[]	2.19	3.19	Compression Shear/Roll 45° C/R	150 70 80	245 80 175	1.40 1.40 2.30
C1260-40-[]	2.45	3.45	Compression Shear/Roll 45° C/R	100 50 60	170 70 125	1.60 1.70 2.50
C1260-50-[]	3.20	4.20	Compression Shear/Roll 45° C/R	60 20 30	110 20 55	2.10 2.10 3.00

ISOLATOR APPROXIMATE WEIGHT 8-12 oz.



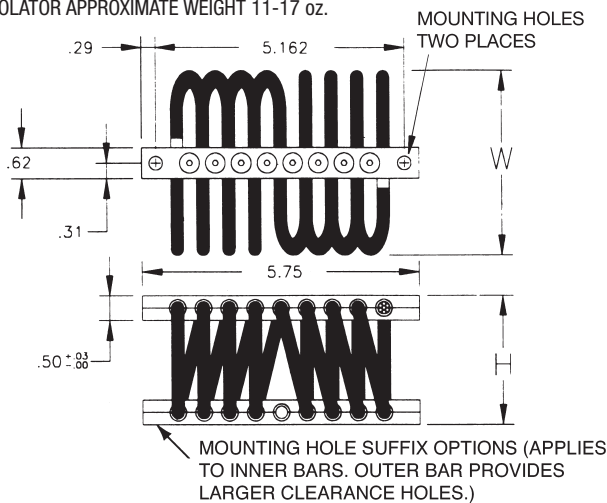
- [] BLANK = Ø .28 THRU 6PL
- C2= Ø .28 THRU
- C'SINK Ø .52 X 82° 6PL
- I2= #1/4-28 INSERTS 6PL
- CI= #1/4-28 INSERTS 3 PL
- Ø .28 THRU
- C'SINK Ø .52 X 82° 3PL

NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

CB1280 SERIES – 1/4" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
CB1280-10-[]	1.90	2.20	Compression Shear/Roll 45° C/R	1180 545 405	1975 480 1040	0.60 0.80 1.40
CB1280-20-[]	2.13	2.50	Compression Shear/Roll 45° C/R	670 310 320	1240 315 755	0.80 1.00 1.60
CB1280-25-[]	2.31	2.80	Compression Shear/Roll 45° C/R	495 215 200	790 220 540	1.00 1.20 1.80
CB1280-30-[]	2.50	3.13	Compression Shear/Roll 45° C/R	360 145 160	680 160 455	1.20 1.40 2.00
CB1280-35-[]	2.50	3.50	Compression Shear/Roll 45° C/R	255 125 135	465 130 375	1.20 1.60 2.20
CB1280-38-[]	2.63	3.75	Compression Shear/Roll 45° C/R	205 110 100	405 115 260	1.40 1.80 2.40
CB1280-40-[]	2.63	3.95	Compression Shear/Roll 45° C/R	165 85 75	270 80 180	1.40 2.00 2.60
CB1280-50-[]	3.25	4.20	Compression Shear/Roll 45° C/R	115 60 50	215 60 135	2.00 2.20 3.20

ISOLATOR APPROXIMATE WEIGHT 11-17 oz.

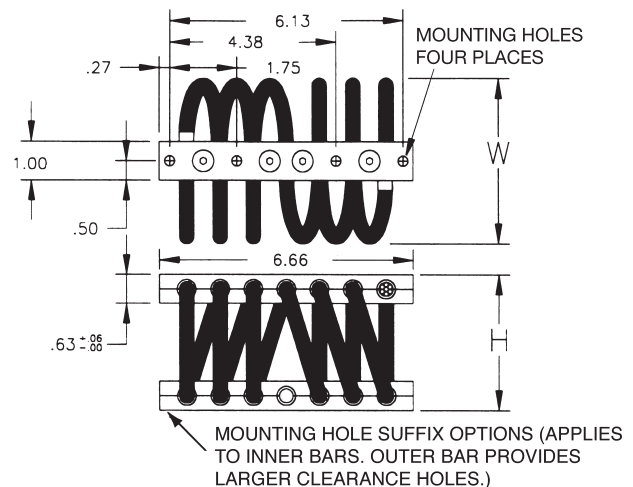


- [] BLANK = Ø .28 THRU 4PL
- C2= Ø .28 THRU
C'SINK Ø .52 X 82° 4PL
- I2= #1/4-28 INSERTS 4PL
- CI= #1/4-28 INSERTS 2 PL
Ø .28 THRU
C'SINK Ø .52 X 82° 2PL

CB1300 SERIES – 3/8" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
CB1300-15-[]	2.80	3.31	Compression Shear/Roll 45° C/R	1310 555 625	3395 550 1860	1.00 1.20 1.60
CB1300-20-[]	2.90	3.50	Compression Shear/Roll 45° C/R	1005 420 470	2445 445 1555	1.20 1.40 2.00
CB1300-30-[]	3.00	4.13	Compression Shear/Roll 45° C/R	655 300 310	1315 345 1010	1.40 1.60 2.40
CB1300-25-[]	3.25	4.25	Compression Shear/Roll 45° C/R	520 235 240	1030 270 815	1.60 1.80 2.80
CB1300-35-[]	3.50	4.25	Compression Shear/Roll 45° C/R	415 175 190	775 215 545	1.80 2.00 3.20
CB1300-40-[]	4.13	4.75	Compression Shear/Roll 45° C/R	300 130 125	600 140 420	2.20 2.40 4.00
CB1300-50-[]	4.25	5.50	Compression Shear/Roll 45° C/R	200 100 85	355 110 300	2.40 2.60 4.40

ISOLATOR APPROXIMATE WEIGHT 1.5-2.5 lbs.



- [] BLANK = Ø .28 THRU 8PL
- C2= Ø .28 THRU
C'SINK Ø .52 X 82° 8PL
- I2= #1/4-28 INSERTS 8PL
- CI= #1/4-28 INSERTS 4 PL
Ø .28 THRU
C'SINK Ø .52 X 82° 4PL

NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

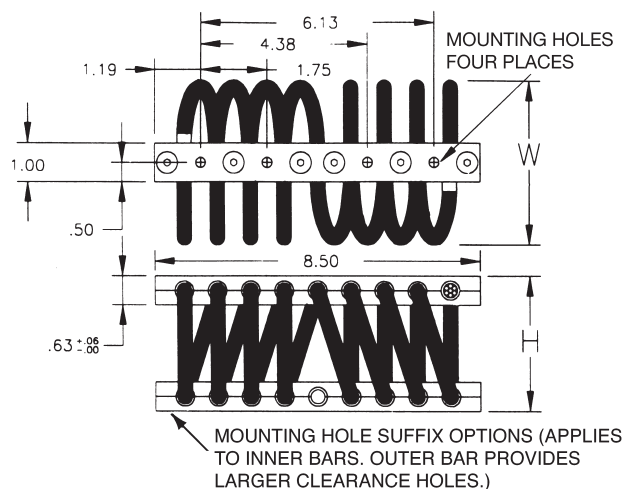
WIRE ROPE ISOLATORS

C/CB SERIES

CB1380 SERIES – 3/8" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
CB1380-15-[]	2.80	3.31	Compression Shear/Roll 45° C/R	1745 740 835	4525 735 2480	1.00 1.20 1.60
CB1380-20-[]	2.90	3.50	Compression Shear/Roll 45° C/R	1340 560 625	3260 595 2075	1.20 1.40 2.00
CB1380-30-[]	3.00	4.13	Compression Shear/Roll 45° C/R	875 400 410	1750 460 1345	1.40 1.60 2.40
CB1380-25-[]	3.25	4.25	Compression Shear/Roll 45° C/R	690 310 315	1370 360 1085	1.60 1.80 2.80
CB1380-35-[]	3.50	4.25	Compression Shear/Roll 45° C/R	555 235 250	1030 285 725	1.80 2.00 3.20
CB1380-40-[]	4.13	4.75	Compression Shear/Roll 45° C/R	400 175 165	800 185 560	2.20 2.40 4.00
CB1380-50-[]	4.25	5.50	Compression Shear/Roll 45° C/R	265 135 115	475 145 400	2.40 2.60 4.40

ISOLATOR APPROXIMATE WEIGHT 2.2-3.2 lbs.

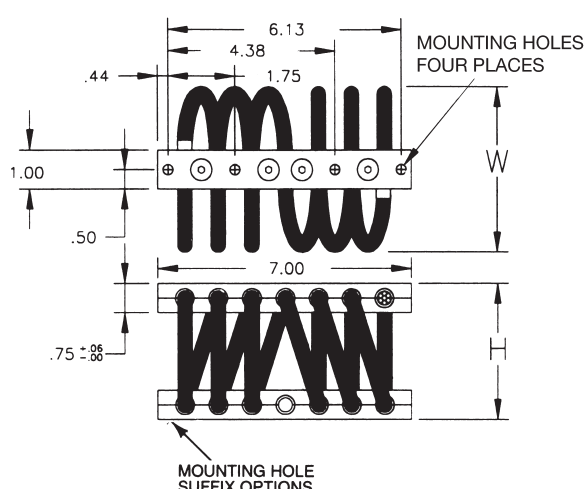


- [] BLANK = Ø .28 THRU 8PL
- C2= Ø .28 THRU
C'SINK Ø .52 X 82° 8PL
- I2= #1/4-28 INSERTS 8PL
- CI= #1/4-28 INSERTS 4 PL
Ø .28 THRU
C'SINK Ø .52 X 82° 4PL

CB61400 SERIES – 1/2" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
CB61400-15-[]	3.25	4.00	Compression Shear/Roll 45° C/R	1990 810 1075	4895 1105 3265	1.40 1.60 2.40
CB61400-17-[]	3.50	4.13	Compression Shear/Roll 45° C/R	1570 650 840	3750 805 2625	1.60 1.80 2.80
CB61400-20-[]	3.75	4.75	Compression Shear/Roll 45° C/R	1025 555 580	2740 555 1835	2.00 2.00 3.20
CB61400-30-[]	4.25	5.25	Compression Shear/Roll 45° C/R	680 315 395	1690 420 940	2.40 2.40 3.60
CB61400-40-[]	4.90	5.65	Compression Shear/Roll 45° C/R	500 240 300	1275 320 860	2.80 2.80 4.00
CB61400-50-[]	5.40	6.13	Compression Shear/Roll 45° C/R	375 195 185	940 285 565	3.20 3.20 4.40
CB61400-60-[]	6.10	7.10	Compression Shear/Roll 45° C/R	200 110 125	395 125 270	4.00 3.60 5.20

ISOLATOR APPROXIMATE WEIGHT 2.9-4.6 lbs.



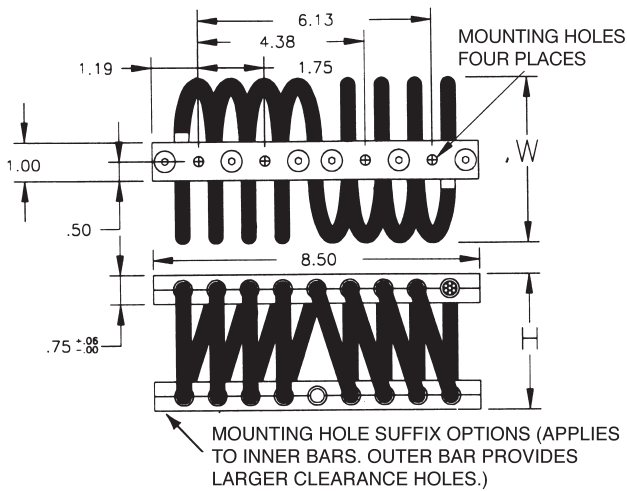
- [] BLANK = Ø .328 THRU 8PL
- C2= Ø .328 THRU
C'SINK Ø .66 X 82° 8PL
- I2= #1/4-28 INSERTS 8PL
- CI= #1/4-28 INSERTS 4PL
Ø .328 THRU
C'SINK Ø .66 X 82° 4PL

NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

CB1400 SERIES – 1/2" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
CB1400-15-[]	3.25	4.00	Compression Shear/Roll 45° C/R	2650 1080 1435	6525 1475 4350	1.40 1.60 2.40
CB1400-17-[]	3.50	4.13	Compression Shear/Roll 45° C/R	2090 865 1120	5000 1075 3500	1.60 1.80 2.80
CB1400-20-[]	3.75	4.75	Compression Shear/Roll 45° C/R	1365 740 775	3650 740 2445	2.00 2.00 3.20
CB1400-30-[]	4.25	5.25	Compression Shear/Roll 45° C/R	905 420 525	2250 560 1250	2.40 2.40 3.60
CB1400-40-[]	4.90	5.65	Compression Shear/Roll 45° C/R	665 320 400	1700 425 1145	2.80 2.80 4.00
CB1400-50-[]	5.40	6.13	Compression Shear/Roll 45° C/R	500 260 245	1250 380 750	3.20 3.20 4.40
CB1400-60-[]	6.10	7.10	Compression Shear/Roll 45° C/R	265 145 165	525 165 360	4.00 3.60 5.20

ISOLATOR APPROXIMATE WEIGHT 3.8-6.1 lbs.

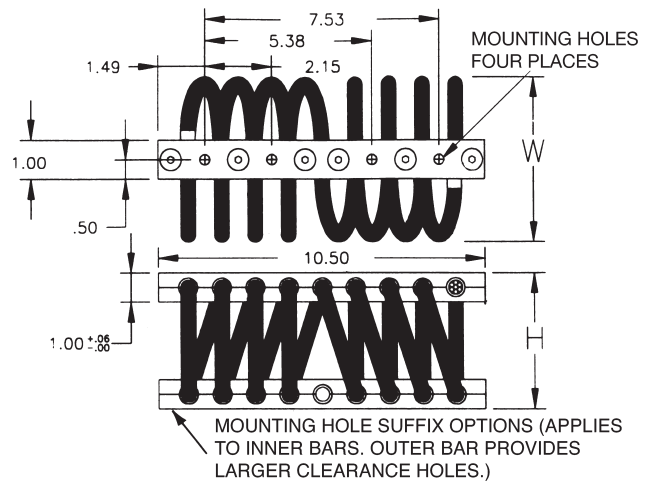


- [] BLANK = Ø .328 THRU 8PL
- C2= Ø .328 THRU
C'SINK Ø .66 X 82° 8PL
- I2= #1/4-28 INSERTS 8PL
- CI= #1/4-28 INSERTS 4 PL
Ø .328 THRU
C'SINK Ø .66 X 82° 4PL

CB1500 SERIES – 5/8" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
CB1500-12-[]	3.50	4.00	Compression Shear/Roll 45° C/R	5375 2735 3290	12625 2950 9100	1.20 1.20 1.80
CB1500-15-[]	3.90	4.40	Compression Shear/Roll 45° C/R	3655 1870 2265	8095 2100 5525	1.40 1.40 2.20
CB1500-20-[]	4.30	5.30	Compression Shear/Roll 45° C/R	2585 1250 1595	5525 1350 3775	1.80 1.80 2.80
CB1500-30-[]	4.70	6.00	Compression Shear/Roll 45° C/R	1610 800 995	3425 1060 2425	2.20 2.20 3.20
CB1500-40-[]	5.00	6.50	Compression Shear/Roll 45° C/R	1155 560 620	2450 750 1675	2.40 2.40 3.60
CB1500-50-[]	5.30	7.00	Compression Shear/Roll 45° C/R	795 410 440	1700 550 1275	3.20 3.20 4.40

ISOLATOR APPROXIMATE WEIGHT 5.9-10.6 lbs.



- [] BLANK = Ø .41 THRU 8PL
- C2= Ø .41 THRU
C'SINK Ø .81 X 82° 8PL
- I2= #3/8-24 INSERTS 8PL
- CI= #3/8-24 INSERTS 4 PL
Ø .41 THRU
C'SINK Ø .81 X 82° 4PL

NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

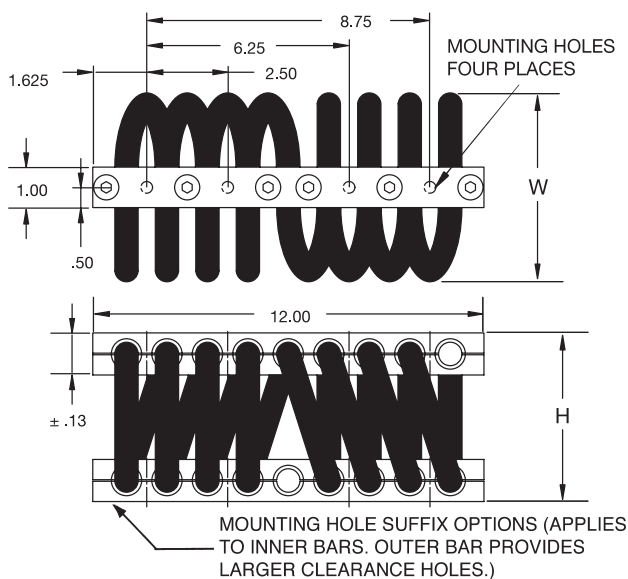
WIRE ROPE ISOLATORS

C/CB SERIES

CB1600 SERIES – 1" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.25	W (REF)				
CB1600-12-[]	4.00	4.25	Compression Shear/Roll 45° C/R	10900 4950 5700	25200 5500 14700	1.20 1.20 1.70
CB1600-17-[]	4.40	4.65	Compression Shear/Roll 45° C/R	7250 3375 4500	16800 3750 10500	1.40 1.40 2.10
CB1600-20-[]	4.80	5.55	Compression Shear/Roll 45° C/R	5100 2250 2700	11760 2500 7500	1.80 1.80 2.70
CB1600-30-[]	5.20	6.25	Compression Shear/Roll 45° C/R	2600 1580 2100	7800 1750 4800	2.20 2.20 3.10
CB1600-40-[]	5.50	6.75	Compression Shear/Roll 45° C/R	2100 1000 1500	5050 1125 3300	2.40 2.40 3.50
CB1600-70-[]	6.50	8.50	Compression Shear/Roll 45° C/R	700 330 610	1350 380 1280	3.20 3.20 4.40

ISOLATOR APPROXIMATE WEIGHT 12-20 lbs.

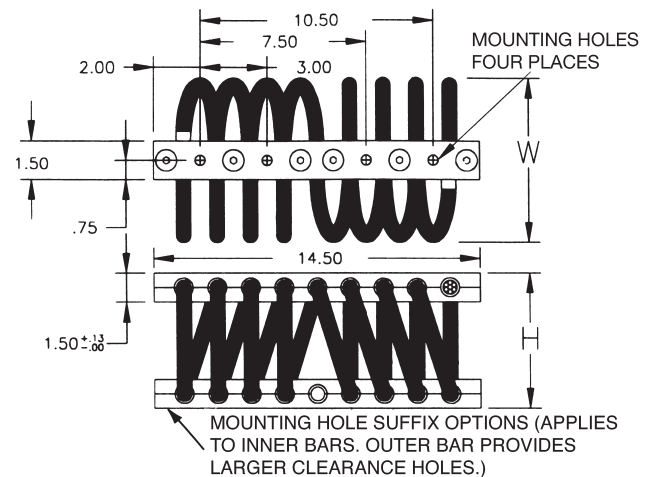


- [] BLANK = Ø .41 THRU 8PL
- C2= Ø .41 THRU
C'SINK Ø .80 X 82° 8PL
- T2= #3/8-24 TAPS 8PL
- CT= #3/8-24 TAPS 4 PL
Ø .41 THRU
C'SINK Ø .80 X 82° 4PL

CB1700 SERIES – 7/8" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
CB1700-15-[]	5.25	5.50	Compression Shear/Roll 45° C/R	7565 3890 4495	20000 3750 14250	2.00 2.00 2.40
CB1700-17-[]	6.00	6.50	Compression Shear/Roll 45° C/R	5815 2795 3140	14000 2675 8750	2.40 2.40 3.20
CB1700-20-[]	6.25	7.00	Compression Shear/Roll 45° C/R	3695 1775 2035	8500 1550 5500	2.80 2.80 3.60
CB1700-30-[]	7.50	8.25	Compression Shear/Roll 45° C/R	1925 900 1140	4750 815 3250	3.60 3.60 4.80
CB1700-40-[]	8.50	9.25	Compression Shear/Roll 45° C/R	1285 545 675	3650 600 1900	4.00 4.00 6.40

ISOLATOR APPROXIMATE WEIGHT 18-30 lbs.



- [] BLANK = Ø .53 THRU 8PL
- C2= Ø .53 THRU
C'SINK Ø .99 X 82° 8PL
- T2= #1/2-13 TAPS 8PL
- CT= #1/2-13 TAPS 4 PL
Ø .53 THRU
C'SINK Ø .99 X 82° 4PL

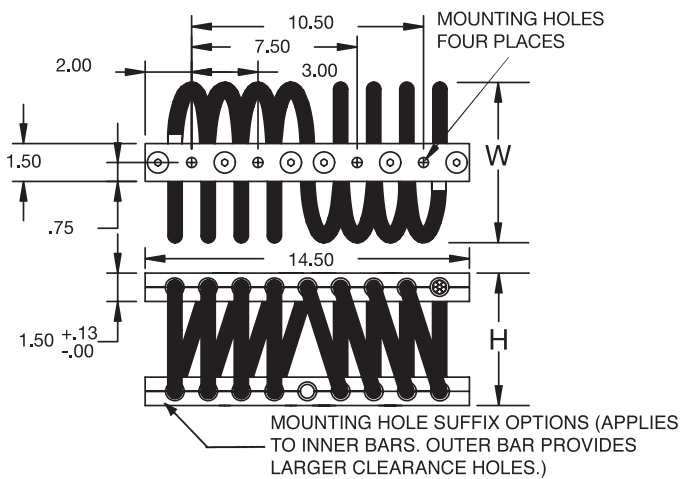
*INSERTS ARE NOT AVAILABLE FOR THE LARGER SERIES ISOLATORS, CONSULT FACTORY IF INSERTS ARE REQUIRED.

NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

CB1800 SERIES – 1" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.25	W (REF)				
CB1800-15-[]	5.25	5.50	Compression Shear/Roll 45° C/R	12100 6220 7190	32000 6000 22800	2.00 2.00 2.40
CB1800-17-[]	6.00	6.50	Compression Shear/Roll 45° C/R	9300 4470 5020	22400 4280 14000	2.40 2.40 3.20
CB1800-20-[]	6.25	7.00	Compression Shear/Roll 45° C/R	5910 2840 3250	13600 2480 8800	2.80 2.80 3.60
CB1800-30-[]	7.50	8.25	Compression Shear/Roll 45° C/R	3080 1440 1820	7600 1300 5200	3.60 3.60 4.80
CB1800-40-[]	8.50	9.25	Compression Shear/Roll 45° C/R	2050 870 1080	5840 960 3040	4.00 4.00 6.40

ISOLATOR APPROXIMATE WEIGHT 25-40 lbs.



[] BLANK = Ø .53 THRU 8PL

C2= Ø .53 THRU
C'SINK Ø .98 X 82° 8PL

T2= #1/2-13 TAP 8PL

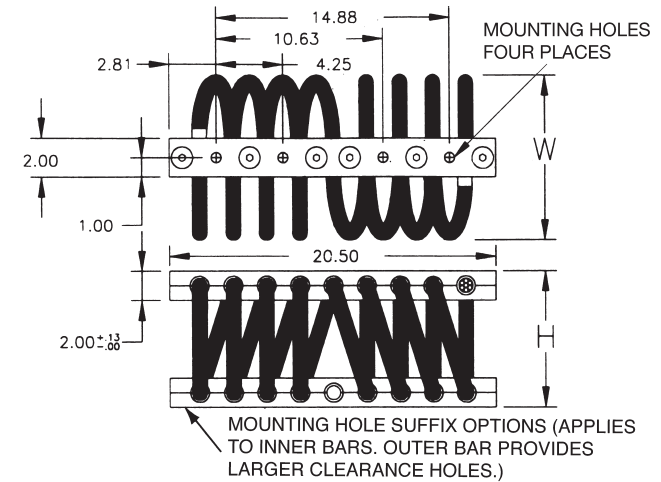
CT= #1/2-13 TAP 4PL
Ø .53 THRU
C'SINK Ø .98 X 82° 4PL

*INSERTS ARE NOT AVAILABLE FOR THE LARGER SERIES ISOLATORS, CONSULT FACTORY IF INSERTS ARE REQUIRED.

CB1900 SERIES – 1 1/8" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
CB1900-10-[]	7.00	8.00	Compression Shear/Roll 45° C/R	5565 2620 3545	10500 2375 7250	2.00 2.00 2.40
CB1900-12-[]	8.50	9.50	Compression Shear/Roll 45° C/R	3180 1650 1840	7250 1785 4625	3.20 3.20 4.00
CB1900-15-[]	9.25	10.25	Compression Shear/Roll 45° C/R	2190 1125 1130	5000 1375 3375	4.00 4.00 6.40

ISOLATOR APPROXIMATE WEIGHT 32-50 lbs.



[] BLANK = Ø .78 THRU 8PL

C2= Ø .78 THRU
C'SINK Ø 1.44 X 82° 8PL

T2= #3/4-10 TAP 8PL

CT= #3/4-10 TAP 4PL
Ø .78 THRU
C'SINK Ø 1.44 X 82° 4PL

*INSERTS ARE NOT AVAILABLE FOR THE LARGER SERIES ISOLATORS, CONSULT FACTORY IF INSERTS ARE REQUIRED.

NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

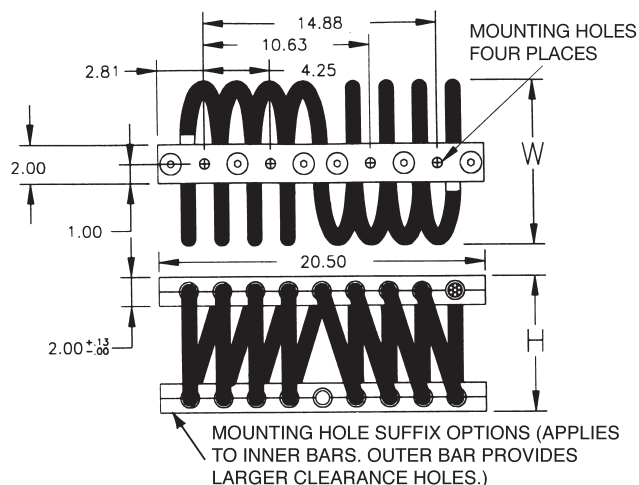
WIRE ROPE ISOLATORS

C/CB SERIES

CB2000 SERIES – 1 1/4" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.06	W (REF)				
CB2000-10-[]	7.00	8.25	Compression Shear/Roll 45° C/R	10000 5100 4500	18600 5000 12000	2.00 2.20 3.20
CB2000-12-[]	8.50	9.75	Compression Shear/Roll 45° C/R	5900 2900 3200	12000 3000 8000	3.20 3.20 4.00

ISOLATOR APPROXIMATE WEIGHT 48-57 lbs.



[] BLANK = Ø .78 THRU 8PL

C2= Ø .78 THRU
C'SINK Ø 1.44 X 82° 8PL

I2= #3/4-10 TAP 8PL

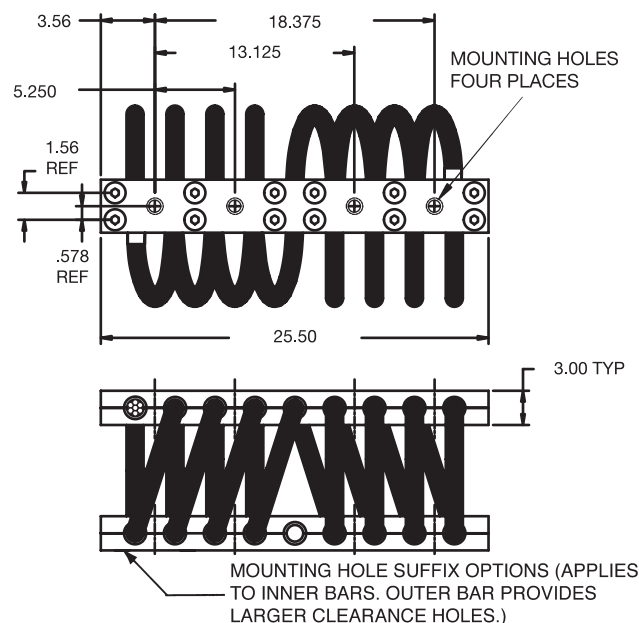
CT= #3/4-10 TAP 4PL
Ø .788 THRU
C'SINK Ø 1.44 X 82° 4PL

*INSERTS ARE NOT AVAILABLE FOR THE LARGER SERIES ISOLATORS, CONSULT FACTORY IF INSERTS ARE REQUIRED.

CB2200 SERIES – 1 1/2" WIRE ROPE

MODEL #	NOMINAL DIMENSIONS		LOAD MODE	SHOCK AVERAGE K lbs./in.	VIBRATION AVERAGE K lbs./in.	MAX. RATED DYNAMIC TRAVEL in.
	H±.25	W (REF)				
CB2200-10-[]	10.50	12.00	Compression Shear/Roll 45° C/R			Consult Engineering
CB2200-20-[]	13.00	15.00	Compression Shear/Roll 45° C/R			Consult Engineering
CB2200-30-[]	15.00	18.00	Compression Shear/Roll 45° C/R			Consult Engineering

ISOLATOR APPROXIMATE WEIGHT 60-80 lbs.



[] BLANK = Ø .95 THRU 8PL

C2= Ø .95 THRU
C'SINK Ø 1.77 X 82° 8PL

I2= #7/8-9 TAP 8PL

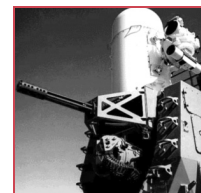
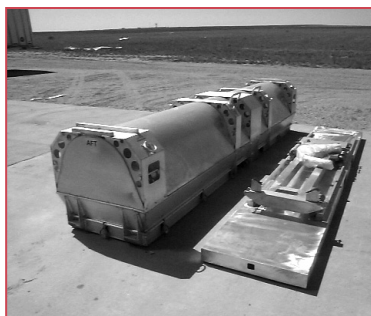
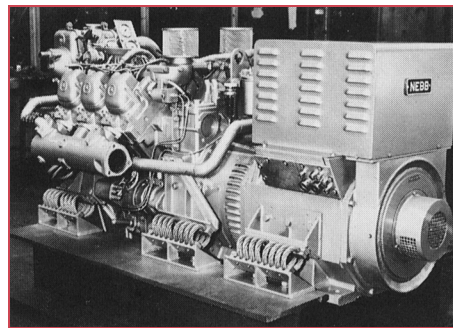
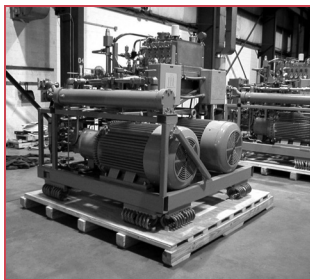
CT= #7/8-9 TAP 4PL
Ø .95 THRU
C'SINK Ø 1.77 X 82° 4PL

*INSERTS ARE NOT AVAILABLE FOR THE LARGER SERIES ISOLATORS, CONSULT FACTORY IF INSERTS ARE REQUIRED.

NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.

APPLICATIONS

- Aerospace and avionics equipment
- Engine gensets
- Floating floors
- Closed circuit television/camera mounts
- Heavy rotating machinery
- Transport systems
- Transit cases
- Any area with minimal space available
- Military ordnance systems
- Marine and naval equipment



NOTE: Special cable materials (galvanized steel and other stainless steel alloys), special bar materials (stainless steel, titanium, finish platings) and special mounting configurations (inserts, thread types, clearance holes) to name just a few, are available upon request.