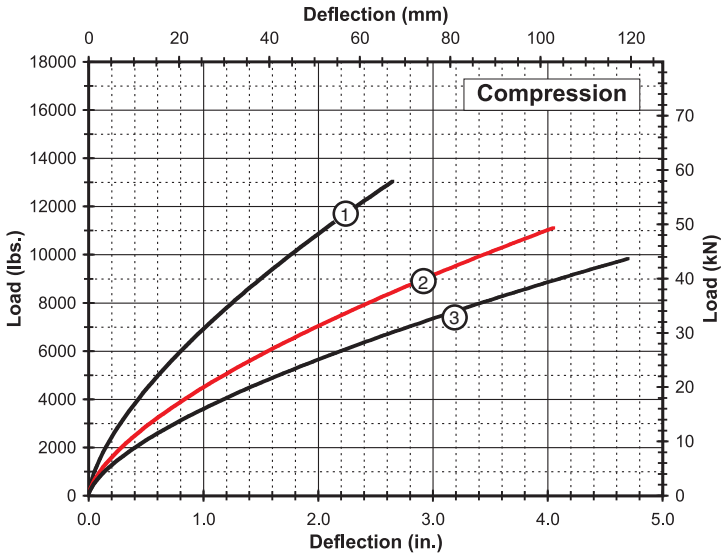
Wire Rope Isolators
WR36 Series

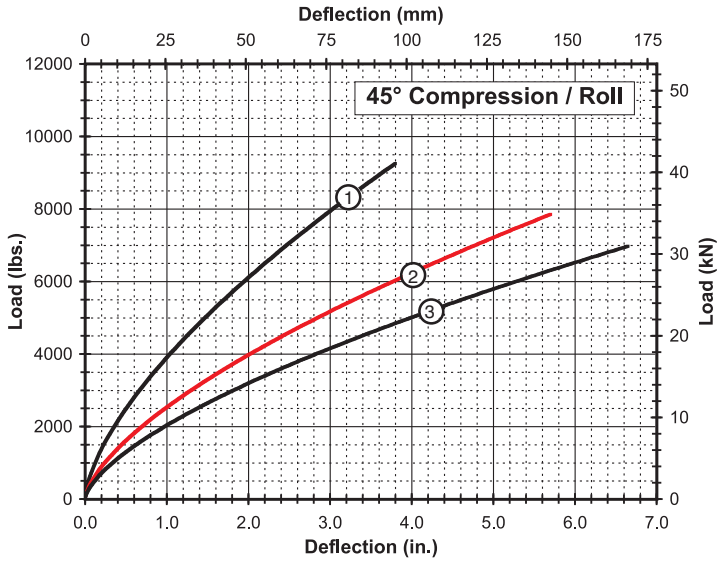
Technical Data

Static
Load vs. Deflection



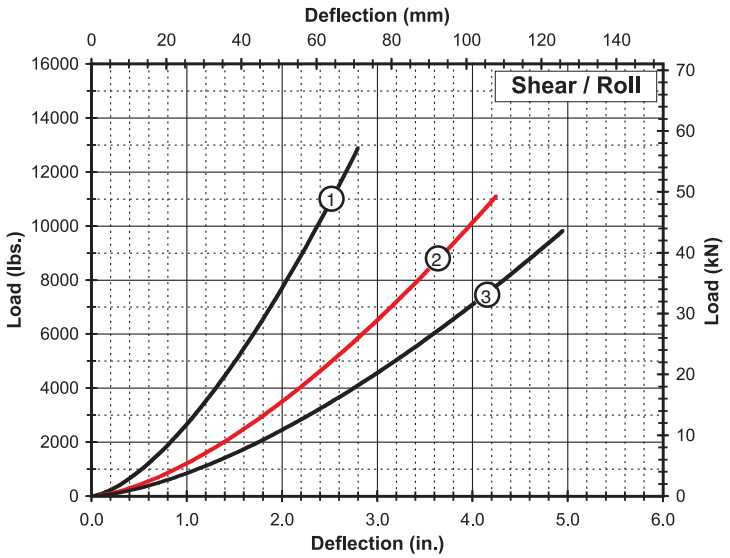
Compression

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	WR36-200-08	3,790 (16,86)	2.65 (67,3)	15,450 (2 706)	5,960 (1 044)
2	WR36-400-08	3,260 (14,50)	4.05 (102,9)	10,130 (1 774)	3,330 (583)
3	WR36-600-08	2,870 (12,77)	4.70 (119,4)	8,080 (1 415)	2,540 (445)



45° Compression/Roll

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	WR36-200-08	2,690 (11,97)	3.80 (96,5)	8,800 (1 541)	2,960 (518)
2	WR36-400-08	2,220 (9,88)	5.70 (144,8)	5,670 (993)	1,670 (292)
3	WR36-600-08	1,790 (7,96)	6.65 (168,9)	4,560 (799)	1,270 (222)



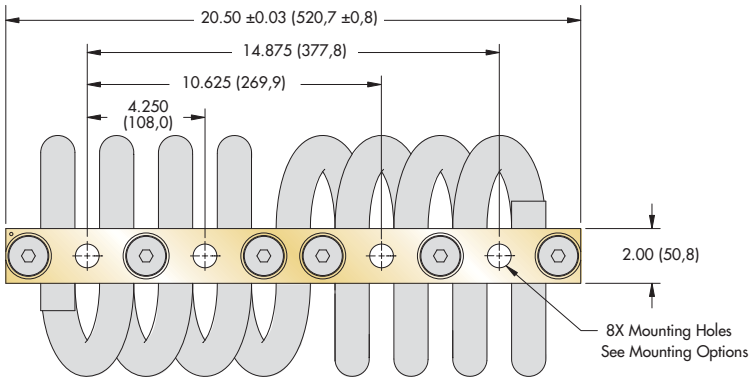
Shear/Roll

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	WR36-200-08	1,420 (6,32)	2.80 (71,1)	3,630 (636)	3,630 (636)
2	WR36-400-08	810 (3,60)	4.25 (108,0)	2,060 (361)	2,060 (361)
3	WR36-600-08	615 (2,74)	4.95 (125,7)	1,570 (275)	1,570 (275)

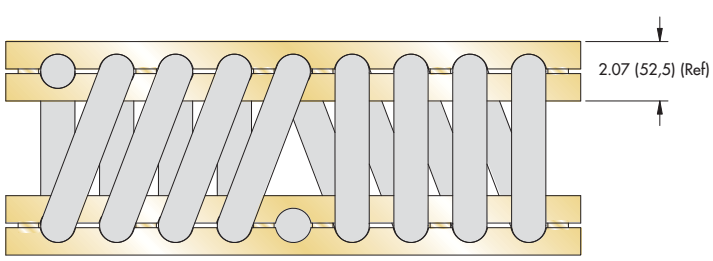
Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Consult ENIDINE for other options. Do not extrapolate curves.

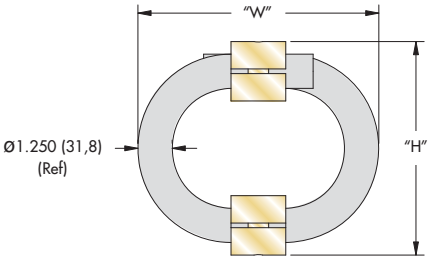
Wire Rope Isolators
WR40 Series

Technical Data



Note: Dimensions are in inches (mm)
Tolerances are ± .010 (± .25mm)





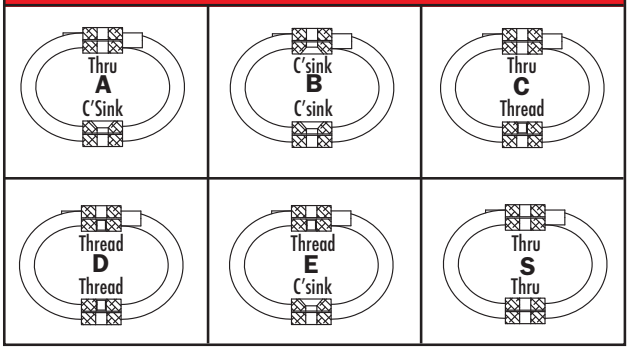
Size	Height "H" in. (mm)		Width (Ref) "W" in. (mm)	Unit Weight Lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
WR40-200	7.00 (178)	± .25 (± 6.35)	8.25 (210)	53 (24,0)	A, B, C, D, E, S	Ø.781 $^{+.005}_{-.015}$ (Ø19.8 $^{+0,13}_{-0,38}$)	3/4-10 UNC (M18 X 2,5)	82° (90°)
WR40-400	8.50 (216)		9.75 (248)	60 (27,2)				

Model Number Ordering Code

WR40 - 400 - 8 D H M P N R

Feature Options:	*[ ] - None [R] - Bellmouth Mount Bars
Wire Rope Options:	*[ ] - 302/304 Stainless Steel (or Equiv.) [G] - Galvanized Steel [N] - Nylon Coated Stainless Steel
Mount Bar Options:	*[ ] - 6061-T6 AL ALY (or Equiv.) Chem Conv. Coated [Y] - 6061-T6 AL ALY (or Equiv.) Anodized [P] - 302/304 Stainless Steel (or Equiv.) Passivated
Add "M" for Metric	For C'sink and Threaded Options
Threaded Hole Options:	*[ ] - Tapped [H] - Helical Insert, Free Running [L] - Helical Insert, Self Locking
Mounting Options:	See Chart
Number of Loops:	08 (Reduced Number of Loops Available)
Isolator Size:	See Sizing Table

Mounting Options

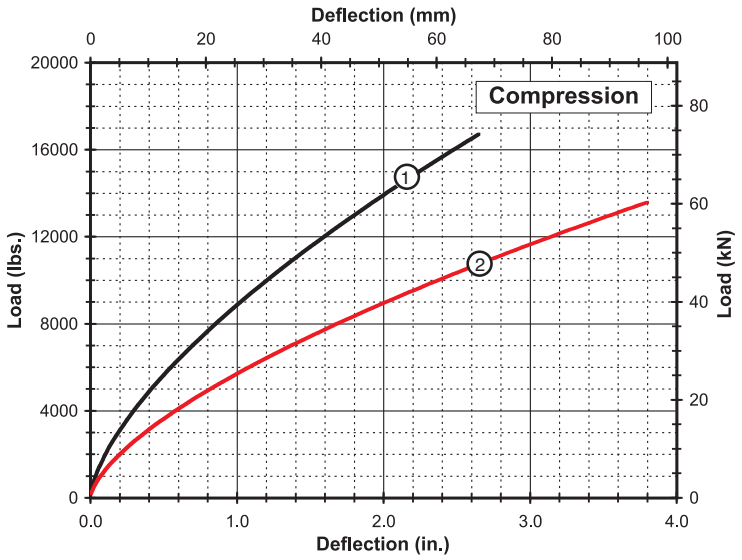


- Maximum recommended torque for threaded bar is 300 ft.-lbs. (300 Nm)
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)

* Standard features. Any non-standard items may require longer lead times. Call for quotation.

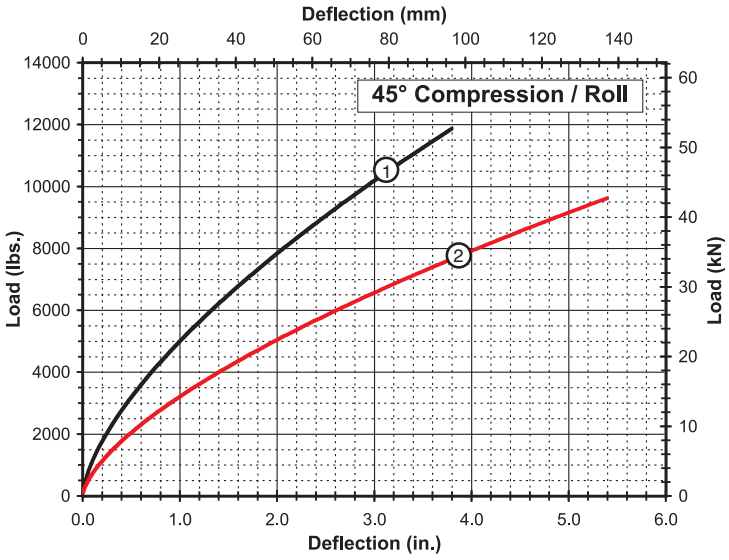
Technical Data

Static
Load vs. Deflection



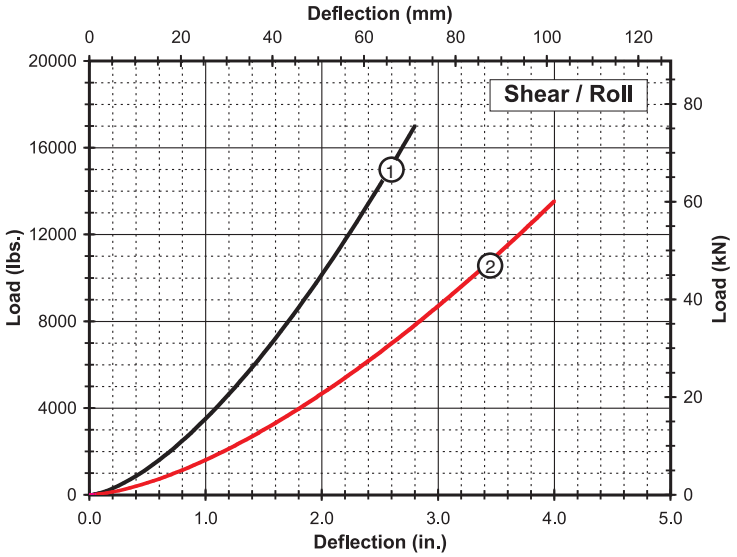
Compression

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	WR40-200-08	4,860 (21,62)	2.65 (67,3)	19,800 (3 468)	7,640 (1 338)
2	WR40-400-08	3,960 (17,61)	3.80 (96,5)	12,770 (2 236)	4,330 (758)



45° Compression/Roll

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	WR40-200-08	3,440 (15,30)	3.80 (96,5)	11,240 (1 968)	3,790 (664)
2	WR40-400-08	2,790 (12,41)	5.40 (137,2)	7,170 (1 256)	2,160 (378)



Shear/Roll

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	WR40-200-08	1,870 (8,32)	2.80 (71,1)	4,790 (839)	4,790 (839)
2	WR40-400-08	1,044 (4,64)	4.00 (101,6)	2,670 (468)	2,670 (468)

Note: Performance provided for full loop models with standard (302/304) stainless steel cable.
Consult ENIDINE for other options. Do not extrapolate curves.

U.S. Patents 6,290,217
6,244,579

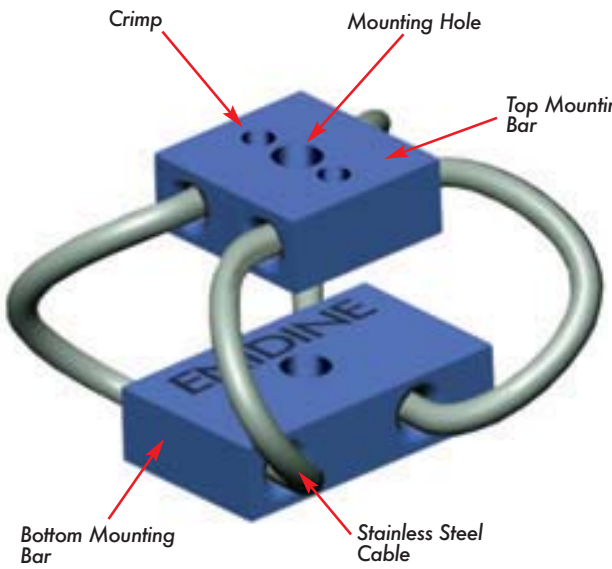
Compact Wire Rope Isolators

For the best in vibration isolation capabilities, choose Enidine's **C**ompact Wire Rope Isolators. Smaller than traditional wire ropes, these unique isolators provide cost-effective, simultaneous shock and vibration attenuation where package space is at a premium.

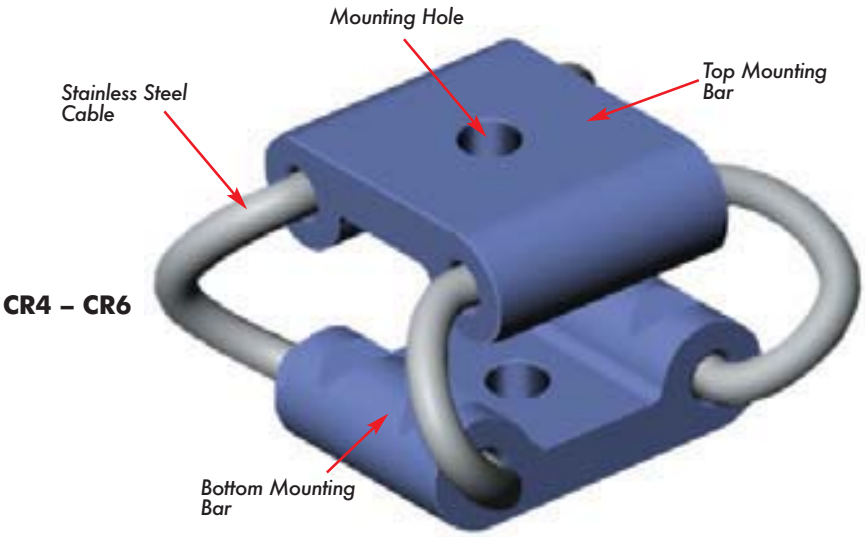
Enidine Compact Wire Rope Isolators feature an easy, single-point installation, which allows them to be installed in virtually any application. Their small size also permits the isolation of individual system components, making them ideal for use in sensitive equipment and electronics. Just as with our standard Enidine Wire Rope Isolators, Enidine Compact Wire Rope Isolators feature a patented, all-metal design and components that ensure maximum reliability, regardless of temperature or substrate requirement, and that can help meet MILSPECS similar to those of our Wire Rope Isolator series. Please refer to our "Compact Wire Rope Isolator Sizing Information" on pages 37-38 for more information.

If your application is outside the standard Compact Wire Rope Isolator product range, please consult the standard Wire Rope Isolator or HERM portions of this catalog. If a standard solution is still not available, Enidine engineers can design an isolator to suit your specifications.

For further information on Enidine Wire Rope, HERM and Compact Wire Rope Isolator products, technical assistance and pricing, please contact Enidine or your nearest authorized distributor. A list of Enidine distributors can be found by visiting our website at www.enidine.com.



CR1 – CR3



CR4 – CR6

Compact Wire Rope Isolators
CR Series

Materials and Finishes:

Standard: Wire Rope: 302/304 Stainless Steel
Mount Bars: 6061-T6 Aluminum, Chemical Conversion Coated per MIL-C-5541, Class 1A
Threads: Tapped

Optional: Mount Bars: 6061-T6 Aluminum, Anodized per MIL-A-8625, Type II, Class 1
302/304 Stainless Steel per ASTM A276, Passivated

Special: Consult Enidine

Isolator Options:

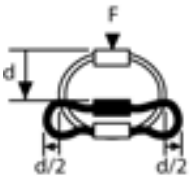
Mounting: Enidine offers a full range of mounting combinations of thru-hole, countersunk, and threaded bars. All configurations are available in either Imperial or Metric styles. Add an "M" after the mounting option for Metric. Some models have reduced mounting options available due to limited fastener installation space. Consult Enidine if a preferred mounting configuration is not listed.

Bellmouth: The bellmouth feature includes mount bars with radii manufactured into the wire rope hole edges. This option is recommended for high fatigue applications. Compact rope models (CR1 – CR6) include this feature as the standard.

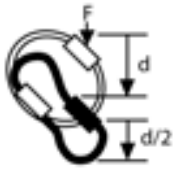
Performance:

Stiffness (Kv or Ks):
Compact wire rope isolators exhibit non-linear stiffness behavior. Small deflections, usually associated with vibration isolation, will have a different spring rate than larger shock deflections. Enidine publishes typical vibration stiffness values (Kv), and average shock stiffness values (Ks) within the catalog. These values can be used with the provided equations listed on Page 38 to predict system performance.

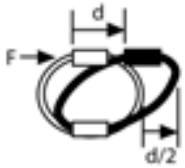
Isolator Axes:
Compact wire rope isolators are multi-axis isolators. The diagram below includes load axis definitions and deflection considerations.



COMPRESSION



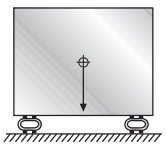
45˚COMPRESSION/ROLL

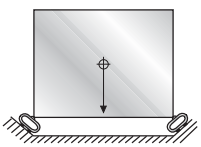


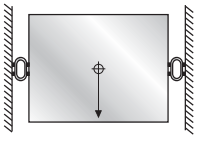
FIXED ROLL/SHEAR

Damping: Typically 5-15%, depending on size and input level. For specific damping considerations, please consult Enidine.

Mounting Orientation:
The diagrams below illustrate typical mounting orientations.


COMPRESSION


45˚COMPRESSION/ROLL


FIXED ROLL/SHEAR

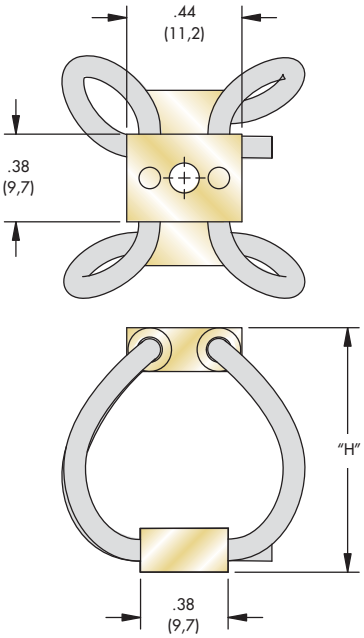
Stabilizers:
Stabilizers are used to control deflections of tall supported masses. Stabilizers are typically recommended when the height equals 2-times the width or depth dimension. In most applications, the quantity of stabilizers required are half as many as the base isolators, and selected one size softer than the base isolators.

APPLICATION WORKSHEET - INPUTS IMPERIAL/METRIC

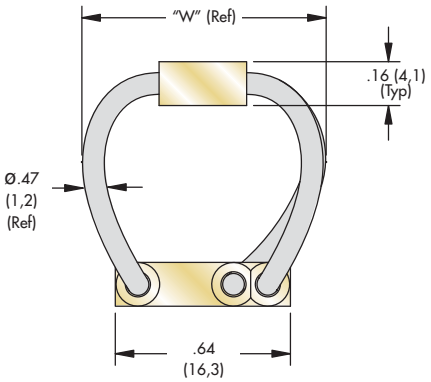
		IMPERIAL	METRIC
PART I: SYSTEM DATA:			
1. Total Supported Load (W_T):	W_T = _____ lbs. W_T = _____ Kg x 9.81 = _____ N		
2. Number of Isolators (n):	n = _____		
3. Static Load per Isolator (W):	$W = \frac{W_T}{n}$	W = _____ lbs.*	W = _____ N*
* Assumes a central CG			
4. Load Axis: Compression Shear or Roll 45° Compression/Roll		Load Axis _____	Load Axis _____
PART II: VIBRATION SIZING:			
1. Input Excitation Frequency	(f_i) = _____ Hz $\left(= \frac{rpm}{60}\right)$		
2. System Response Natural Frequency for 80% isolation:	$f_n = \frac{f_i}{3.0}$ = _____Hz		
3. Maximum Isolator Vibration Stiffness: (K_V)	$K_v = \frac{W(2\pi f_n)^2}{g}$ g = 386 in/sec^2 or 9.81 m/sec^2	K_v = _____ lbs./in.	K_v = _____ N/m
4. Select an isolator by comparing calculated values with technical data for the desired load axis provided in tables for each isolator. a.) Calculated "W" must be less than the isolator's max static load and b.) Isolator's vibration stiffness must be less than the calculated maximum K_V			
PART III: SHOCK SIZING:			
1. Maximum Allowable Transmitted Acceleration:	A_T = _____G's		
2. Shock Input Velocity:	V = _____ in./sec. V = _____ m/sec.		
Free Fall Impact:	$V = \sqrt{2gh}$ g = 386 in./sec.^{2} or 9.81 m/sec.^{2} h = Drop Height (in. or m)		
3. Min. Isolator Response Deflection:	$D_{min} = \frac{V^2}{g(A_T)}$	D_{min} = _____in.	D_{min} = _____m
4. Maximum Isolator Shock Stiffness:	$K_s = \frac{W(V/D_{min})^2}{g}$	K_s = _____lbs./in.	K_s = _____N/m
5. Select an isolator by comparing calculated values with technical data for the desired load axis provided in tables for each isolator. a.) Calculated "W" must be less than the isolator's max static load and b.) Calculated D_{min} must be less than the isolator's max deflection Note: Metric deflections are calculated in meters (m) and technical data is in millimeters (mm). and c.) Isolator's shock stiffness must be less than calculated maximum "K_s"			
6. Check actual deflection using "K_s" from technical data to ensure that the isolator's max deflection is not exceeded.	$D_{actual} = \frac{V}{\sqrt{\frac{K_s(Isolator)g}{W}}}$	D_{actual} = _____in.	D_{actual} = _____m
7. If isolator's max deflection is exceeded, select another isolator and repeat steps 5 and 6.			

Compact Wire Rope Isolators
CR1 Series

Technical Data



Note: Dimensions are in inches (mm)
Tolerances are ± .010 (± .25mm)



Size	Height "H" in. (mm)		Width (Ref) "W" in. (mm)	Unit Weight Lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
CR1-100	0.66 (17)	± .06 (± 1,52)	0.73 (19)	0.11 (3,1)	A, B, C, D, E, S	Ø.130 (Ø3,30)	#4-40 UNC (M3 X 0,5)	82° (90°)
CR1-200	0.75 (19)		0.79 (20)	0.11 (3,1)				
CR1-300	0.90 (23)		0.91 (23)	0.12 (3,4)				
CR1-400	1.04 (26)		1.03 (26)	0.12 (3,4)				

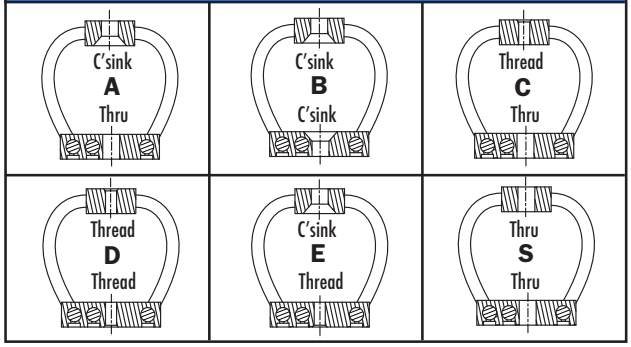
Model Number Ordering Code

CR1 - 400 - D M P

- Mount Bar Options: *[ ] - 6061-T6 AL ALY (or Equiv.) Chem Conv. Coated; [Y] - 6061-T6 AL ALY (or Equiv.) Anodized; [P] - 302/304 Stainless Steel (or Equiv.) Passivated
- Add "M" for Metric — For C'sink and Threaded Options
- Mounting Options: — See Chart
- Isolator Size: — See Sizing Table

* Standard features. Any non-standard items may require longer lead times. Call for quotation.

Mounting Options

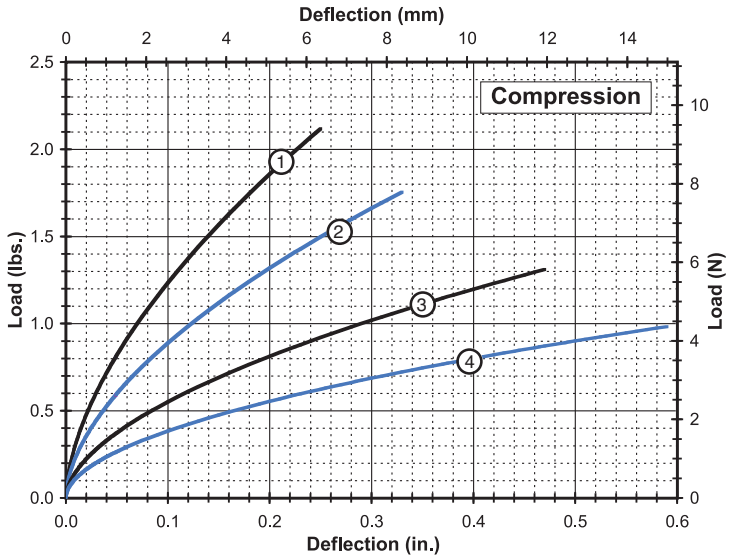


- Maximum recommended torque for tapped aluminum bar is 10 in.-lbs. (1,2 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,290,217

Compact Wire Rope Isolators
CR1 Series

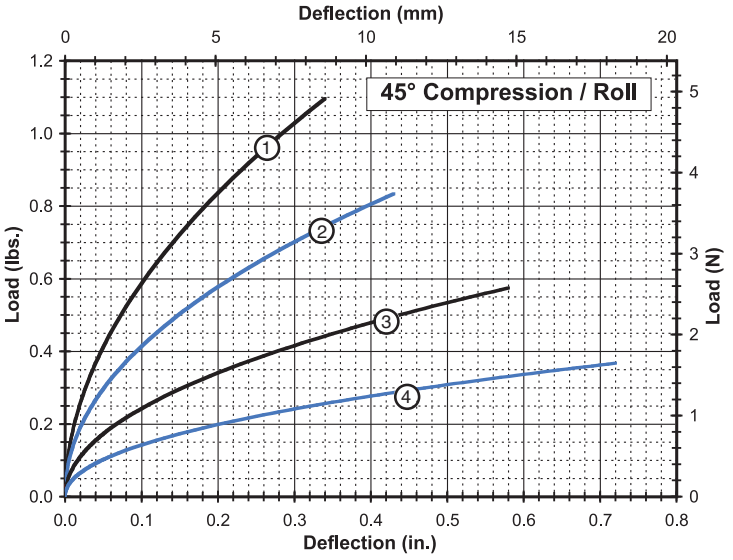
Technical Data

Static
Load vs. Deflection



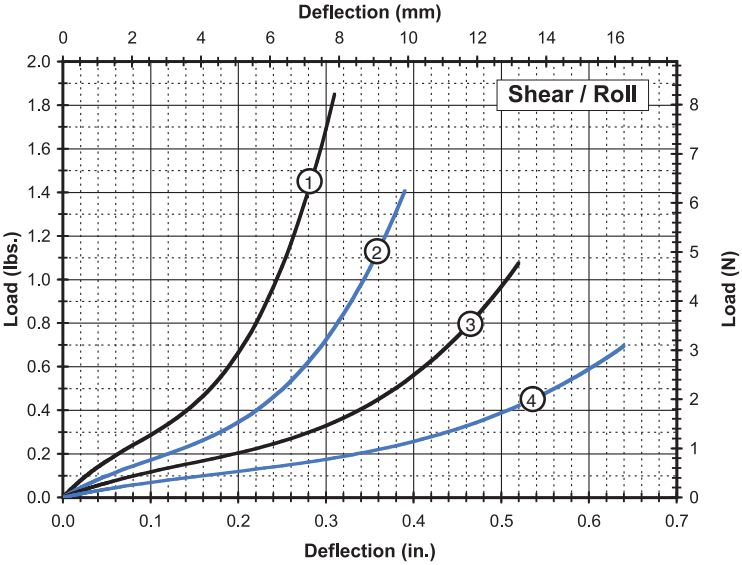
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR1-100	0.75 (3,3)	0.25 (6,4)	22 (3,9)	11 (1,9)
2	CR1-200	0.55 (2,4)	0.33 (8,4)	16 (2,8)	7.0 (1,2)
3	CR1-300	0.40 (1,8)	0.47 (11,9)	10 (1,75)	3.5 (0,61)
4	CR1-400	0.30 (1,3)	0.59 (15,0)	7.5 (1,31)	2.2 (0,39)



45° Compression/Roll

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR1-100	0.35 (1,6)	0.34 (8,6)	12 (2,1)	4,5 (0,79)
2	CR1-200	0.25 (1,1)	0.43 (10,9)	8.5 (1,5)	2.5 (0,44)
3	CR1-300	0.17 (0,76)	0.58 (14,7)	5.0 (0,88)	1,5 (0,26)
4	CR1-400	0.11 (0,49)	0.72 (18,3)	3.0 (0,53)	0.7 (0,12)



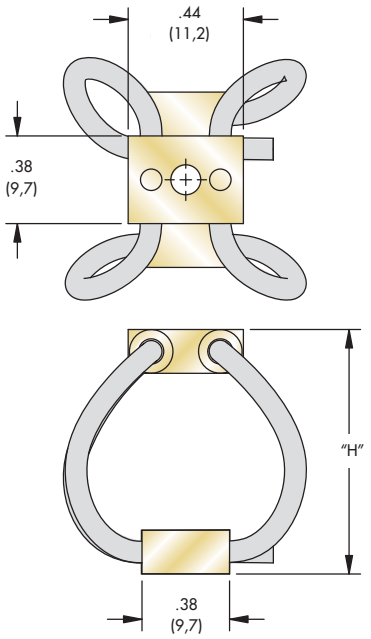
Shear/Roll

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR1-100	0.25 (1,1)	0.31 (7,9)	4.0 (0,70)	4.0 (0,70)
2	CR1-200	0.20 (0,89)	0.39 (9,9)	2.5 (0,44)	2.5 (0,44)
3	CR1-300	0.16 (0,71)	0.52 (13,2)	1.5 (0,26)	1.5 (0,26)
4	CR1-400	0.12 (0,53)	0.64 (16,3)	0.8 (0,13)	0.8 (0,13)

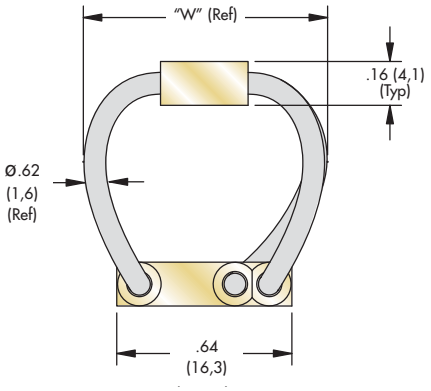
Note: Do not extrapolate plotted curves.

Compact Wire Rope Isolators
CR2 Series

Technical Data



Note: Dimensions are in inches (mm)
Tolerances are ± .010 (± .25mm)



Size	Height "H" in. (mm)		Width (Ref) "W" in. (mm)	Unit Weight Lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
CR2-100	0.64 (16)	± .06 (± 1,52)	0.78 (20)	0.13 (3,7)	A, B, C, D, E, S	Ø.130 (Ø3.30)	#4-40 UNC (M3 X 0,5)	82° (90°)
CR2-200	0.75 (19)		0.83 (21)	0.14 (4,0)				
CR2-300	0.89 (23)		0.94 (24)	0.15 (4,3)				
CR2-400	1.07 (27)		1.06 (27)	0.16 (4,5)				

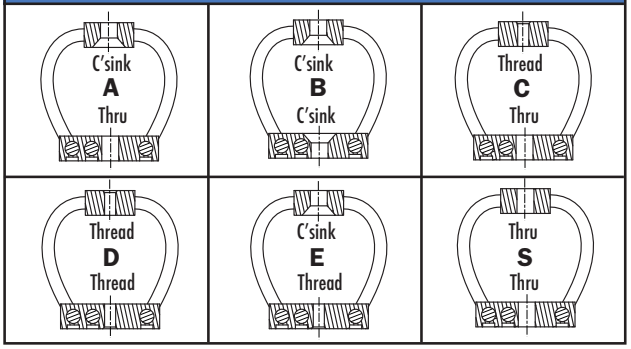
Model Number Ordering Code

CR2 - 400 - D M P

- Mount Bar Options: *[ ] - 6061-T6 AL ALY (or Equiv.) Chem Conv. Coated; [Y] - 6061-T6 AL ALY (or Equiv.) Anodized; [P] - 302/304 Stainless Steel (or Equiv.) Passivated
- Add "M" for Metric — For C'sink and Threaded Options
- Mounting Options: — See Chart
- Isolator Size: — See Sizing Table

* Standard features. Any non-standard items may require longer lead times. Call for quotation.

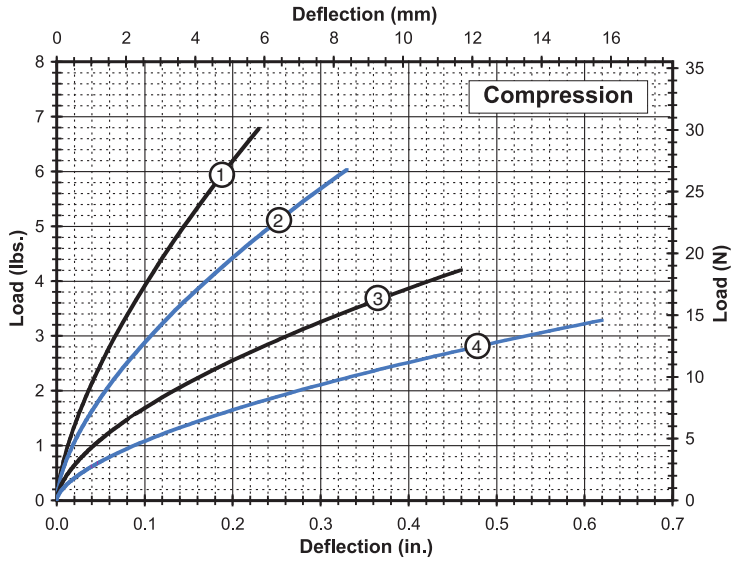
Mounting Options



- Maximum recommended torque for tapped aluminum bar is 10 in.-lbs. (1,2 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,290,217

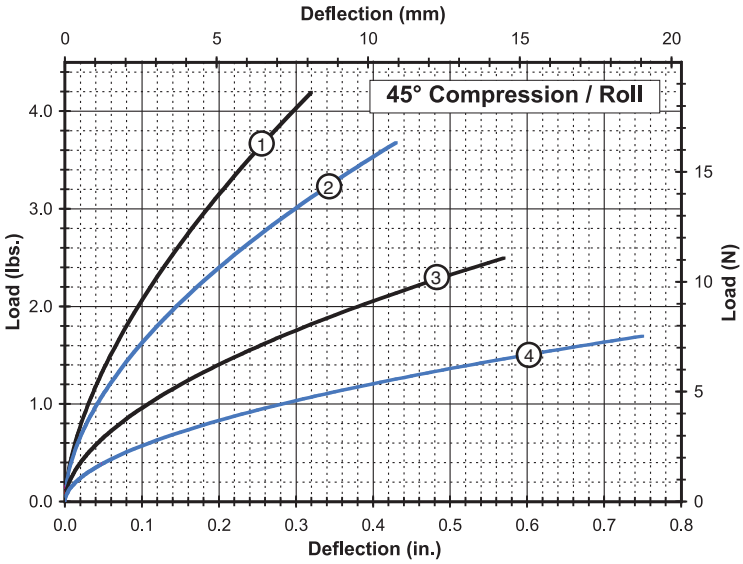
Technical Data

Static
Load vs. Deflection



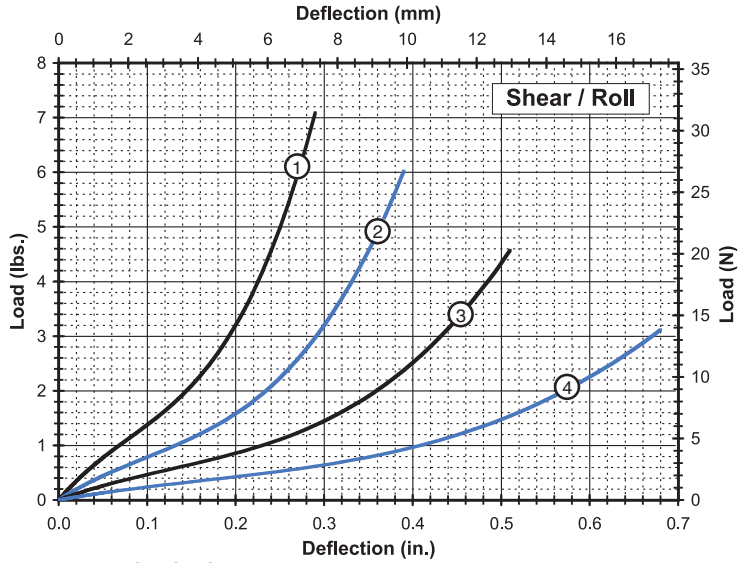
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR2-100	2.6 (12)	0.23 (5,8)	65 (11)	35 (6,1)
2	CR2-200	2.1 (9,3)	0.33 (8,4)	50 (8,8)	23 (4,0)
3	CR2-300	1.5 (6,7)	0.46 (11,7)	30 (5,3)	11 (1,9)
4	CR2-400	1.1 (4,9)	0.62 (15,7)	20 (3,5)	7 (1,2)



45° Compression/Roll

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR2-100	1.3 (5,8)	0.32 (8,1)	35 (6,1)	16 (2,8)
2	CR2-200	1.1 (4,9)	0.43 (10,9)	30 (5,3)	11 (1,9)
3	CR2-300	0.75 (3,3)	0.57 (14,5)	18 (3,2)	6 (1,0)
4	CR2-400	0.50 (2,2)	0.75 (19,1)	11 (1,9)	3 (0,51)



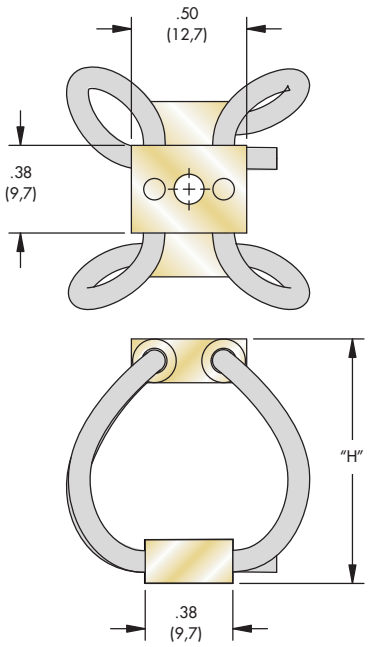
Shear/Roll

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR2-100	1.3 (5,6)	0.29 (7,4)	17 (3,0)	17 (3,0)
2	CR2-200	0.90 (4,0)	0.39 (9,9)	10 (1,8)	10 (1,8)
3	CR2-300	0.65 (2,9)	0.51 (13,0)	6 (1,1)	6 (1,1)
4	CR2-400	0.45 (2,0)	0.68 (17,3)	3 (0,53)	3 (0,53)

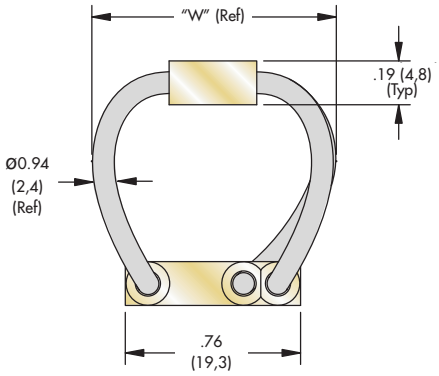
Note: Do not extrapolate plotted curves.

Compact Wire Rope Isolators
CR3 Series

Technical Data



Note: Dimensions are in inches (mm)
Tolerances are ± .010 (± .25mm)



Size	Height "H" in. (mm)		Width (Ref) "W" in. (mm)	Unit Weight Lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
CR3-100	0.75 (19)	± .06 (± 1,52)	0.88 (22)	0.20 (5,7)	A, B, C, D, E, S	Ø.130 (Ø3,30)	#4-40 UNC (M3 X 0,5)	82° (90°)
CR3-200	0.90 (23)		0.95 (24)	0.22 (6,2)				
CR3-300	1.06 (27)		1.06 (27)	0.24 (6,8)				
CR3-400	1.28 (33)		1.20 (30)	0.26 (7,4)				

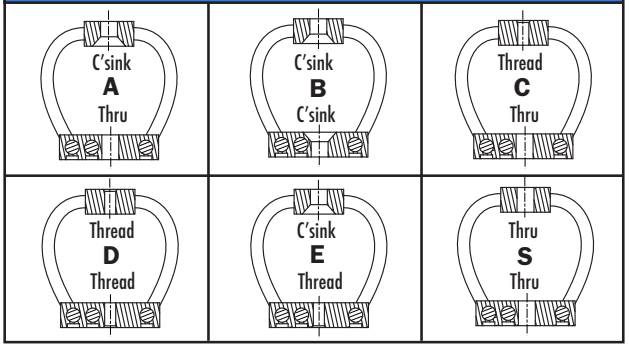
Model Number Ordering Code

CR3 - 400 - D M P

- Mount Bar Options: *[ ] - 6061-T6 AL ALY (or Equiv.) Chem Conv. Coated; [Y] - 6061-T6 AL ALY (or Equiv.) Anodized; [P] - 302/304 Stainless Steel (or Equiv.) Passivated
- Add "M" for Metric — For C'sink and Threaded Options
- Mounting Options: — See Chart
- Isolator Size: — See Sizing Table

* Standard features. Any non-standard items may require longer lead times. Call for quotation.

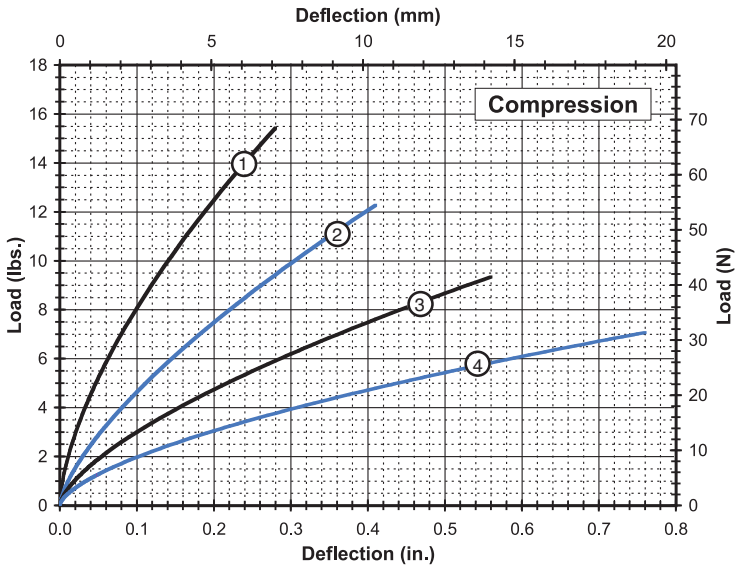
Mounting Options



- Maximum recommended torque for tapped aluminum bar is 13 in.-lbs. (1,5 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,290,217

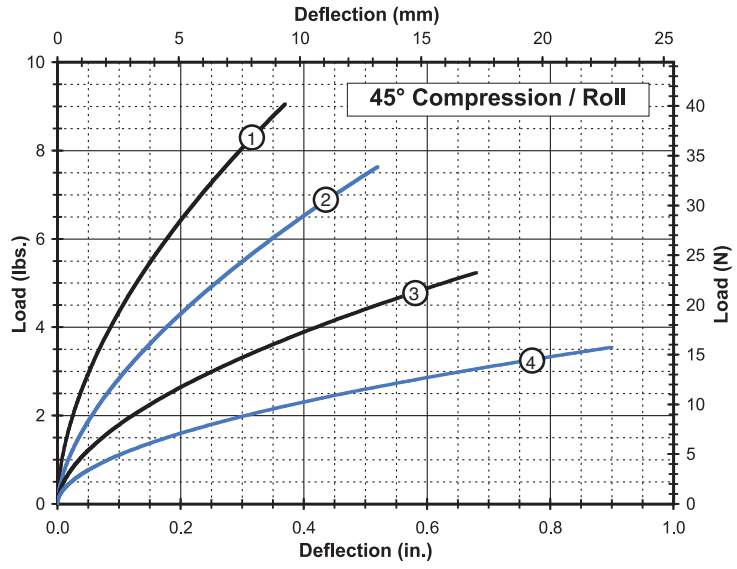
Technical Data

Static
Load vs. Deflection



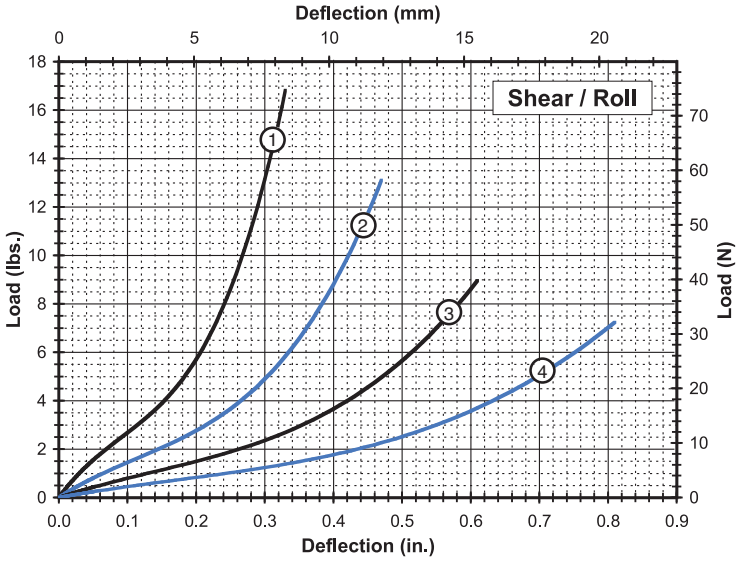
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR3-100	6.5 (29)	0.28 (7,1)	135 (24)	68 (12)
2	CR3-200	5.0 (22)	0.41 (10,4)	70 (12)	35 (6,1)
3	CR3-300	4.0 (18)	0.56 (14,2)	48 (8,4)	20 (3,5)
4	CR3-400	2.5 (11)	0.76 (19,3)	33 (5,8)	11 (1,9)



45° Compression/Roll

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR3-100	2.7 (12)	0.37 (9,4)	80 (14)	30 (5,3)
2	CR3-200	2.3 (10)	0.52 (13,2)	50 (8,8)	18 (3,2)
3	CR3-300	1.5 (6,7)	0.68 (17,3)	33 (5,8)	10 (1,8)
4	CR3-400	1.0 (4,4)	0.90 (22,9)	20 (3,5)	5 (0,91)



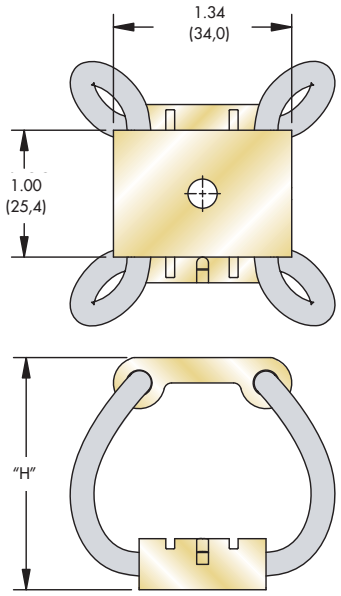
Shear/Roll

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR3-100	2.7 (12)	0.33 (8,4)	35 (6,1)	35 (6,1)
2	CR3-200	1.9 (8,5)	0.47 (11,9)	20 (3,5)	20 (3,5)
3	CR3-300	1.4 (6,2)	0.61 (15,5)	10 (1,8)	10 (1,8)
4	CR3-400	1.0 (4,4)	0.81 (20,6)	6 (1,1)	6 (1,1)

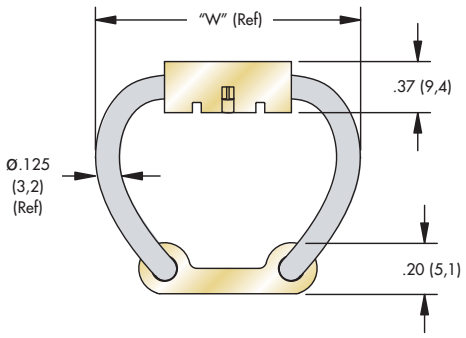
Note: Do not extrapolate plotted curves.

Compact Wire Rope Isolators
CR4 Series

Technical Data



Note: Dimensions are in inches (mm)
Tolerances are ± .010 (± .25mm)



Size	Height "H" in. (mm)		Width (Ref) "W" in. (mm)	Unit Weight Lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
CR4-100	1.66 (42)	± .06 (± 1,52)	1.87 (47)	1.4 (40)	A, B, C, D, E, S	Ø.230 (Ø7,00)	#10-32 UNF (M6 X 1,0)	82° (90°)
CR4-200	2.10 (53)		2.12 (54)	1.4 (40)				
CR4-300	2.37 (60)		2.34 (59)	1.5 (43)				
CR4-400	2.96 (75)		2.67 (68)	1.7 (48)				

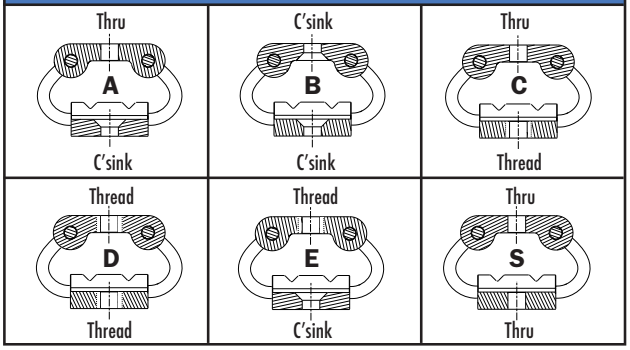
Model Number Ordering Code

CR4 - 400 - D M P

- Mount Bar Options: *[ ] - 6061-T6 AL ALY (or Equiv.) Chem Conv. Coated; [Y] - 6061-T6 AL ALY (or Equiv.) Anodized; [P] - 302/304 Stainless Steel (or Equiv.) Passivated
- Add "M" for Metric — All Mounting Options
- Mounting Options: — See Chart
- Isolator Size: — See Sizing Table

* Standard features. Any non-standard items may require longer lead times. Call for quotation.

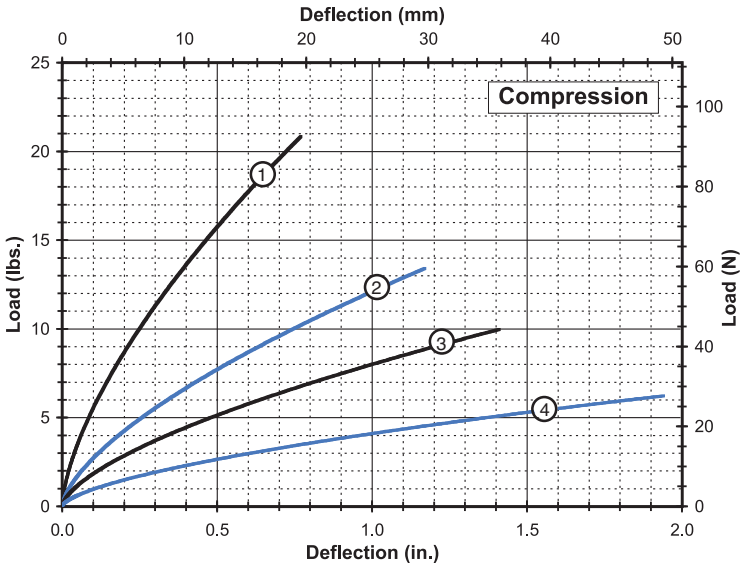
Mounting Options



- Maximum recommended torque for tapped aluminum bar is 40 in.-lbs. (7,5 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,244,579

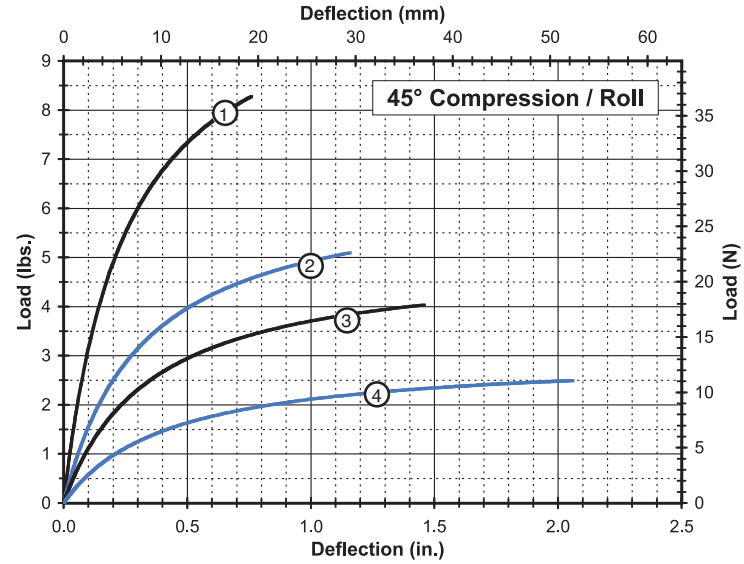
Technical Data

Static
Load vs. Deflection



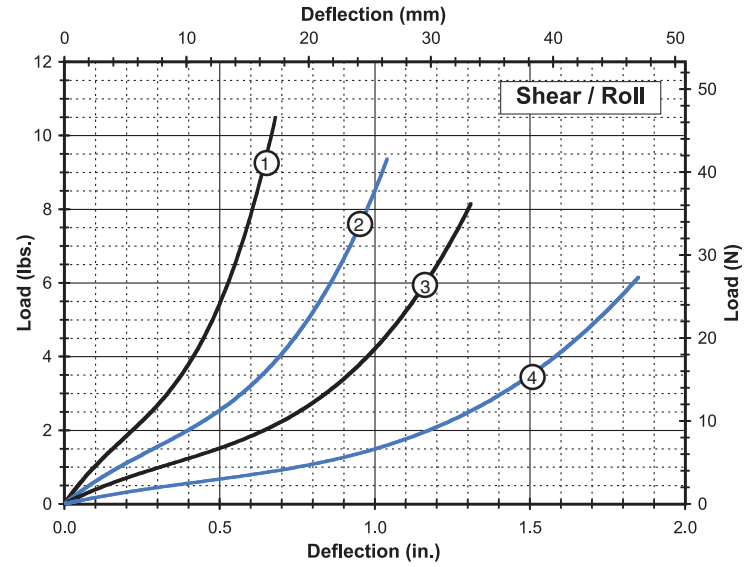
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR4-100	5.5 (24)	0.77 (19,6)	70 (12)	33 (5,8)
2	CR4-200	4.0 (18)	1.17 (29,7)	35 (6,0)	14 (2,5)
3	CR4-300	3.0 (13)	1.41(35,8)	25 (4,4)	9 (1,6)
4	CR4-400	1.5 (6.7)	1.94 (49,3)	12 (2,2)	4 (0,70)



45° Compression/Roll

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR4-100	2.5 (11)	0.76 (19,3)	37 (6,4)	16 (2,8)
2	CR4-200	1.5 (6,7)	1.16 (29,5)	18 (3,1)	6 (1,1)
3	CR4-300	1.2 (5,3)	1.46 (37,1)	13 (2,2)	4 (0,70)
4	CR4-400	0.80 (3,6)	2.06 (52,3)	6 (1,1)	2 (0,35)



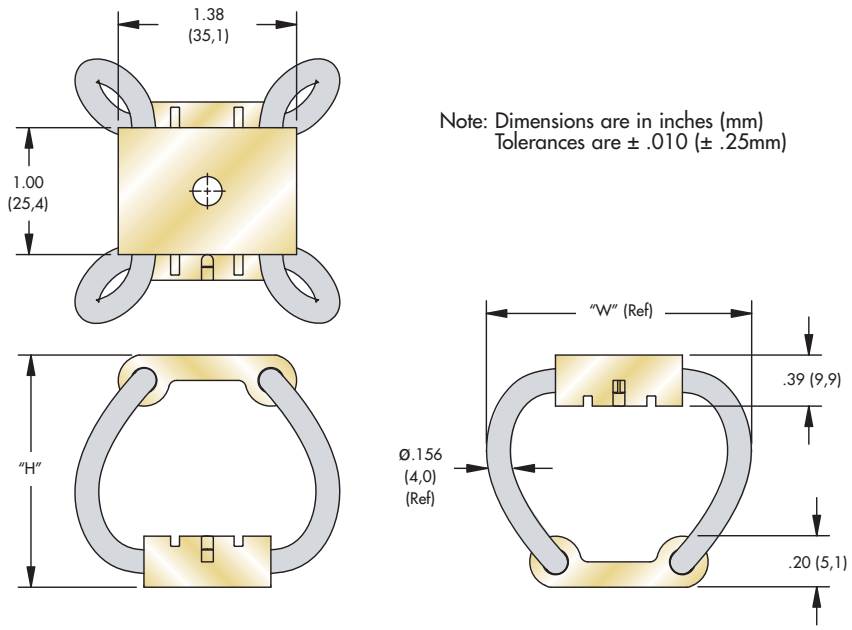
Shear/Roll

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR4-100	1.9 (8,5)	0.68 (17,3)	11 (1,9)	11 (1,9)
2	CR4-200	1.6 (7,1)	1.04 (26,4)	6 (1,1)	6 (1,1)
3	CR4-300	1.2 (5,3)	1.31 (33,3)	4 (0,70)	4 (0,70)
4	CR4-400	0.75 (3,3)	1.85 (47,0)	2 (0,35)	2 (0,35)

Note: Do not extrapolate plotted curves.

Compact Wire Rope Isolators
CR5 Series

Technical Data



Note: Dimensions are in inches (mm)
Tolerances are ± .010 (± .25mm)

Size	Height "H" in. (mm)		Width (Ref) "W" in. (mm)	Unit Weight Lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
CR5-100	1.60 (41)	± .06 (± 1,52)	1.89 (48)	1.6 (45)	A, B, C, D, E, S	Ø.230 (Ø7,00)	#10-32 UNF (M6 X 1,0)	82° (90°)
CR5-200	2.09 (53)		2.13 (54)	1.7 (48)				
CR5-300	2.36 (60)		2.32 (59)	1.8 (51)				
CR5-400	2.99 (76)		2.64 (67)	2.0 (57)				

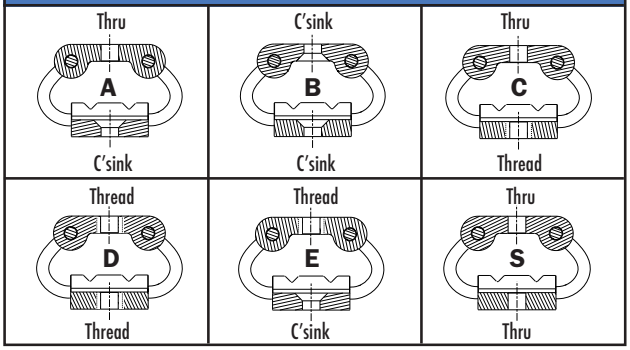
Model Number Ordering Code

CR5 - 400 - D M P

- Mount Bar Options: *[ ] - 6061-T6 AL ALY (or Equiv.) Chem Conv. Coated; [Y] - 6061-T6 AL ALY (or Equiv.) Anodized; [P] - 302/304 Stainless Steel (or Equiv.) Passivated
- Add "M" for Metric — All Mounting Options
- Mounting Options: — See Chart
- Isolator Size: — See Sizing Table

* Standard features. Any non-standard items may require longer lead times. Call for quotation.

Mounting Options



- Maximum recommended torque for tapped aluminum bar is 40 in.-lbs. (7,5 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,244,579