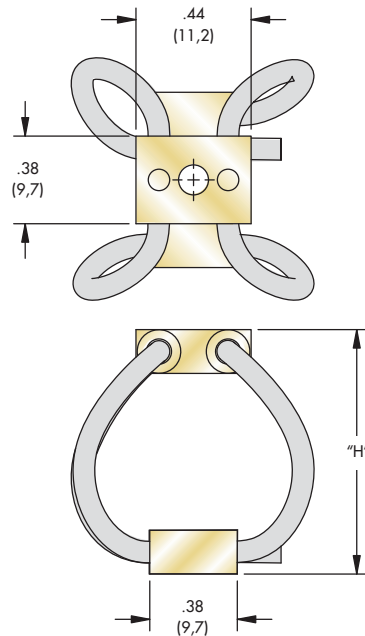


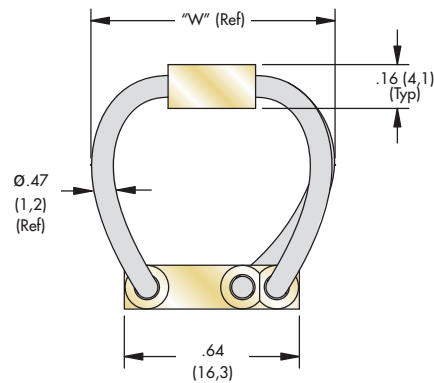
Compact Wire Rope Isolators

CR1 Series

Technical Data



Note: Dimensions are in inches (mm)
Tolerances are $\pm .010$ ($\pm .25$ mm)



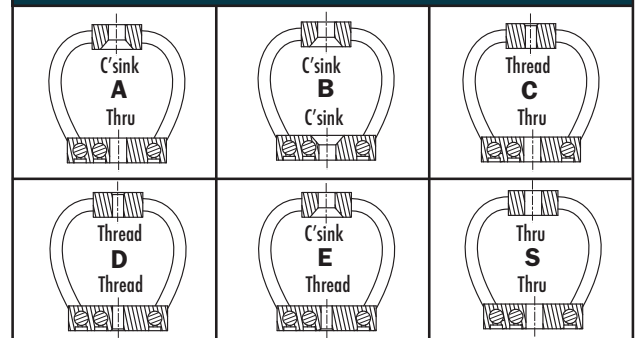
Size	Height "H" in. (mm)	Width (Ref) "W" in. (mm)	Unit Weight Lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
CR1-100	0.66 (17)	$\pm .06$ ($\pm 1,52$)	0.73 (19)	A, B, C, D, E, S	Ø.130 (Ø3,30)	#4-40 UNC (M3 X 0,5)	82° (90°)
CR1-200	0.75 (19)		0.79 (20)				
CR1-300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

Model Number Ordering Code

CR1 - 400 - D M P	
CR1	Isolator Size: See Sizing Table
400	Isolator Size: See Sizing Table
D	Mounting Options: See Chart
M	Add "M" for Metric For C'sink and Threaded Options
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

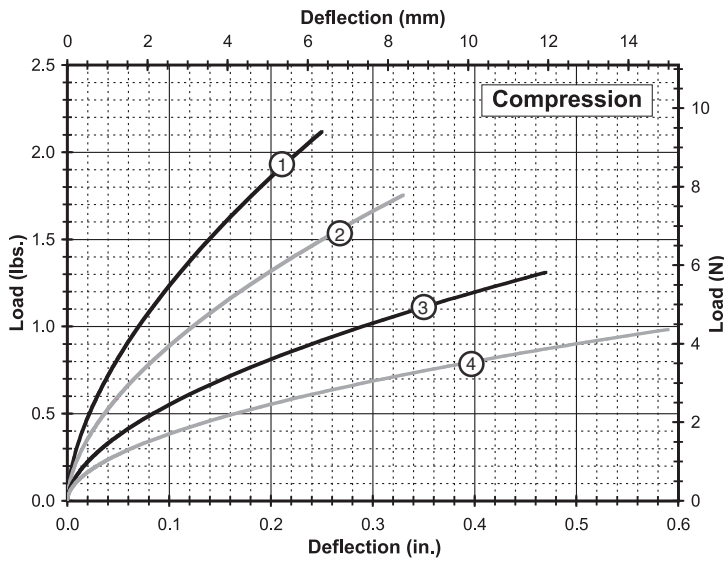
* Standard features. Any non-standard items may require longer lead times. Call for quotation.

Mounting Options



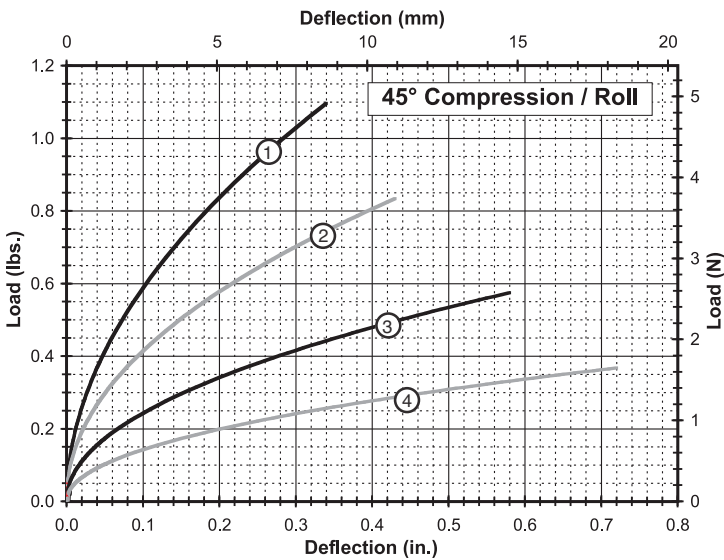
- Maximum recommended torque for tapped aluminum bar is 10 in.-lbs. (1,2 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,290,217

Static Load vs. Deflection



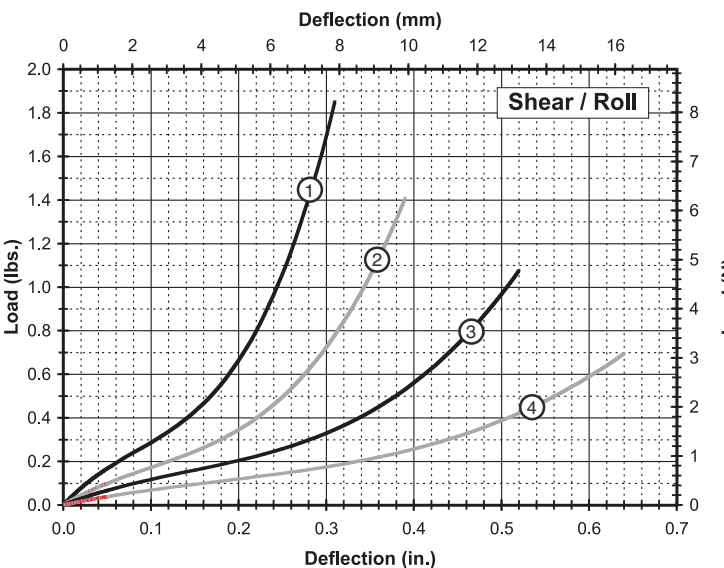
Compression

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

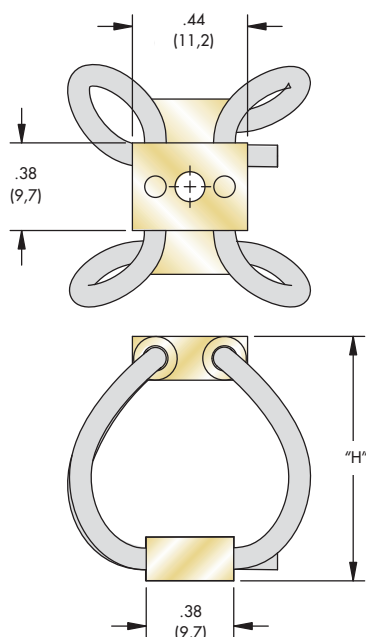
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR1-100	0.35 (1,6)	0.34 (8,6)	12 (2,1)	4.5 (0,79)
2	CR1-200	0.25 (1,1)	0.43 (10,9)	8.5 (1,5)	2.5 (0,44)
3	CR1-300	0.17 (0,76)	0.58 (14,7)	5.0 (0,88)	1.5 (0,26)
4	CR1-400	0.11 (0,49)	0.72 (18,3)	3.0 (0,53)	0.7 (0,12)



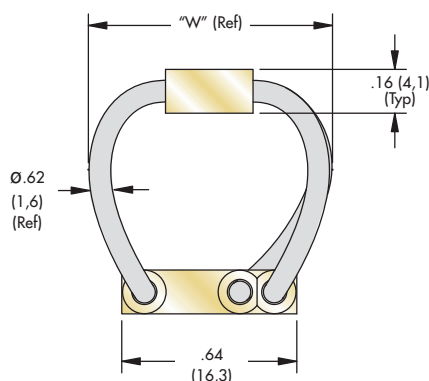
Shear/Roll

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.



Note: Dimensions are in inches (mm)
Tolerances are $\pm .010$ ($\pm .25$ mm)



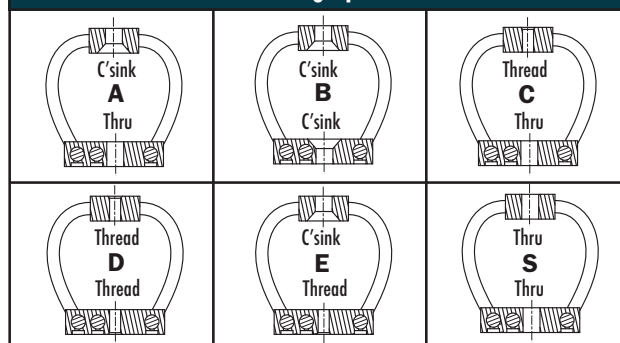
Size	Height "H" in. (mm)	Width (Ref) "W" in. (mm)	Unit Weight Lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
CR2-100	0.64 (16)	$\pm .06$ ($\pm 1,52$)	0.78 (20)	A, B, C, D, E, S	Ø.130 (Ø3.30)	#4-40 UNC (M3 X 0,5)	82° (90°)
CR2-200	0.75 (19)		0.83 (21)				
CR2-300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

Model Number Ordering Code

CR2 - 400 - D M P	
CR2	Isolator Size: See Sizing Table
400	Isolator Size: See Sizing Table
D	Mounting Options: See Chart
M	Add "M" for Metric For C'sink and Threaded Options
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

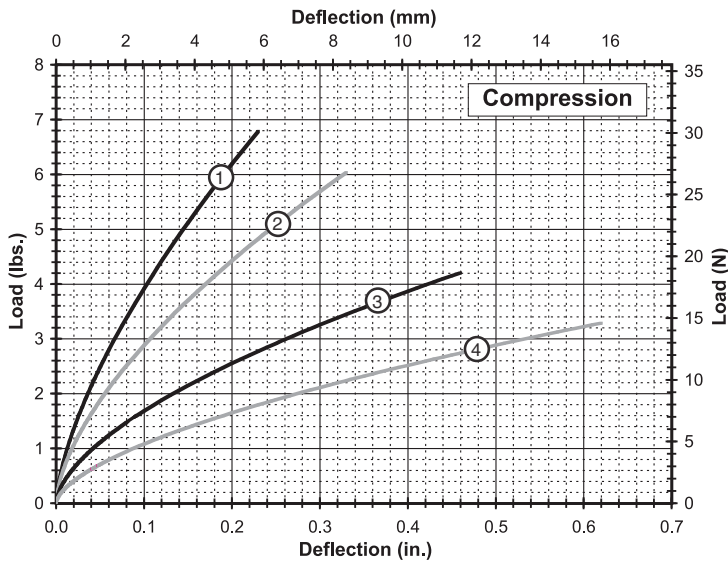
* Standard features. Any non-standard items may require longer lead times. Call for quotation.

Mounting Options



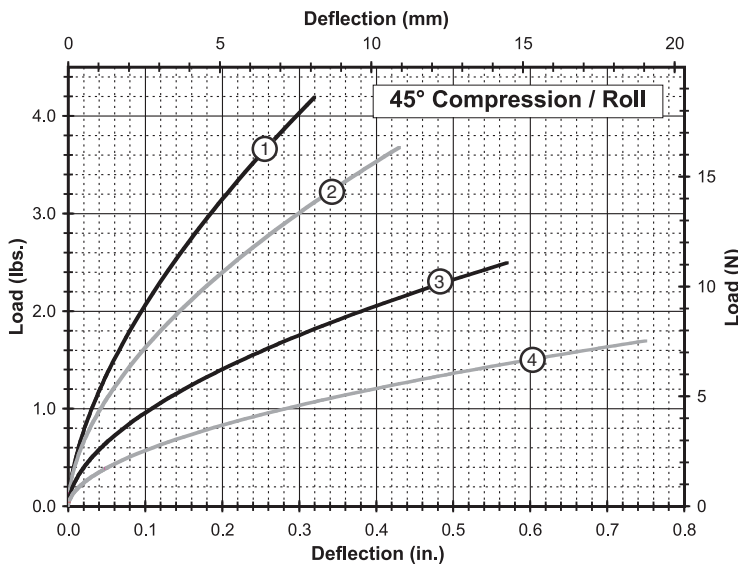
- Maximum recommended torque for tapped aluminum bar is 10 in.-lbs. (1,2 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,290,217

Static Load vs. Deflection



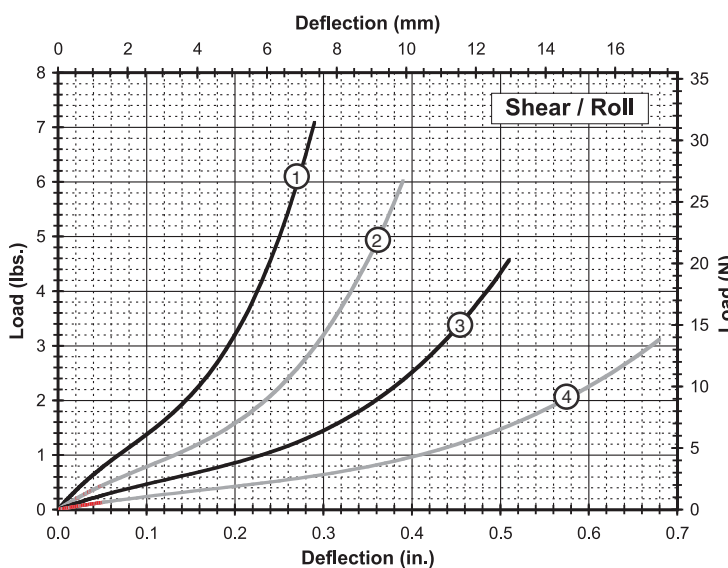
Compression

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

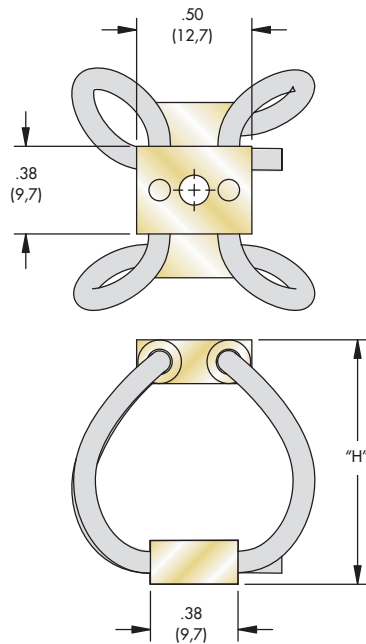
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR2-100	1.3 (5,8)	0.32 (8,1)	35 (6,1)	16 (2,8)
2	CR2-200	1.1 (4,9)	0.43 (10,9)	30 (5,3)	11 (1,9)
3	CR2-300	0.75 (3,3)	0.57 (14,5)	18 (3,2)	6 (1,0)
4	CR2-400	0.50 (2,2)	0.75 (19,1)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



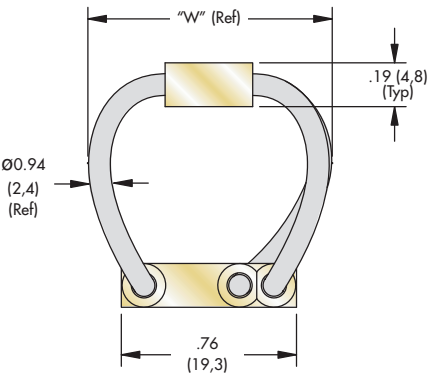
Shear/Roll

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.



Note: Dimensions are in inches (mm)
Tolerances are $\pm .010$ ($\pm .25$ mm)



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)	$\pm .06$ ($\pm 1,52$)	0.88 (22)	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)				
CR3-300	1.06 (27)		1.06 (27)				
CR3-400	1.28 (33)		1.20 (30)				

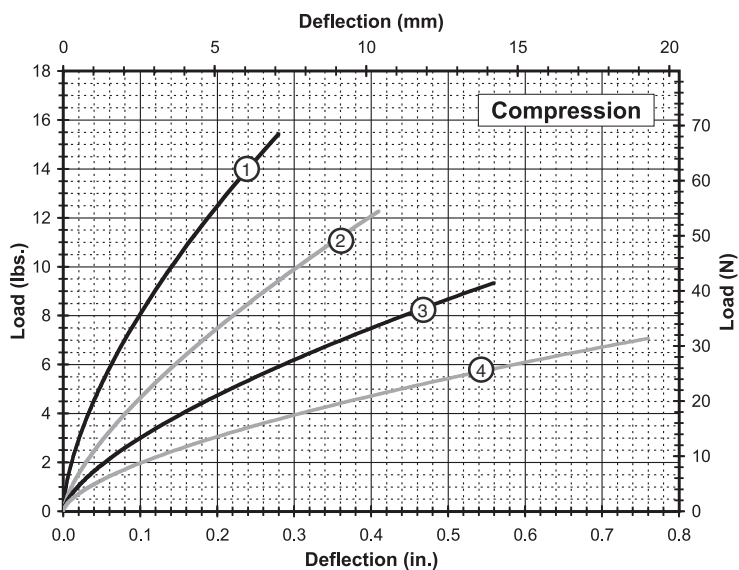
Model Number Ordering Code			
CR3 - 400 - D M P			
	Mount Bar Options:	*[] - 6061-T6 AL ALY (or Equiv.) Chem Conv. Coated	
		[Y] - 6061-T6 AL ALY (or Equiv.) Anodized	
		[P] - 302/304 Stainless Steel (or Equiv.) Passivated	
	Add "M" for Metric	For C'sink and Threaded Options	
	Mounting Options:	See Chart	
	Isolator Size:	See Sizing Table	

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

Mounting Options		

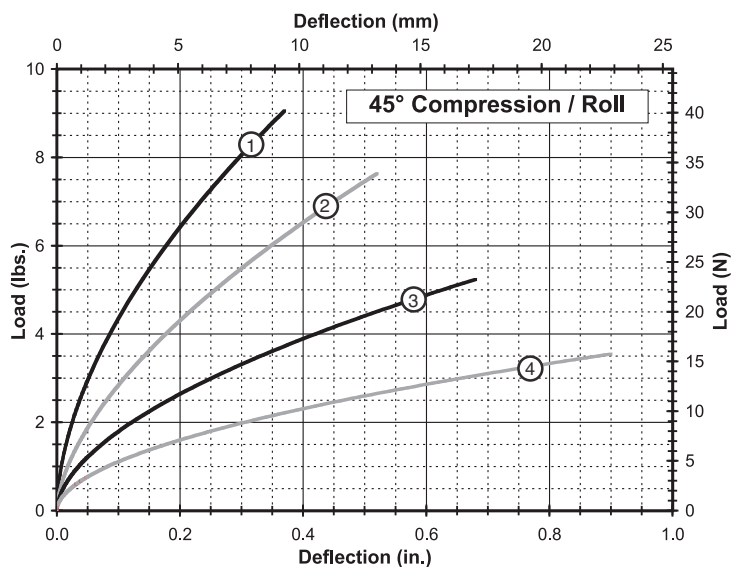
- Maximum recommended torque for tapped aluminum bar is 13 in.-lbs. (1,5 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,290,217

Static Load vs. Deflection



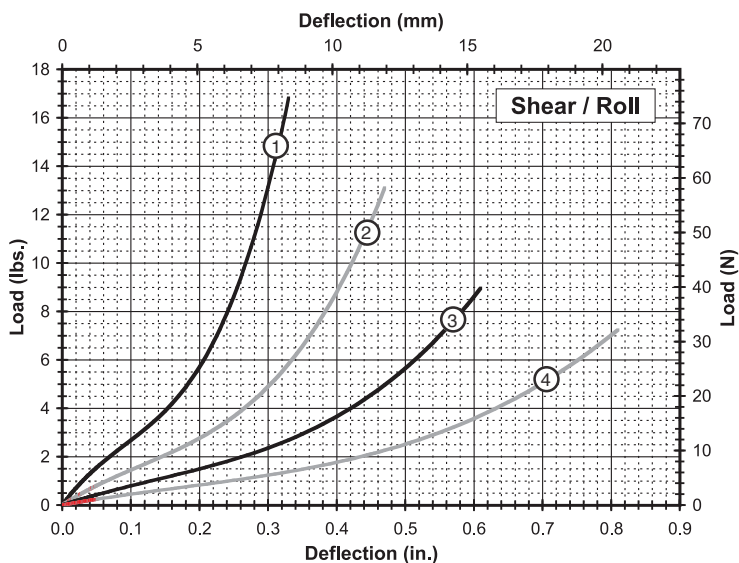
Compression

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

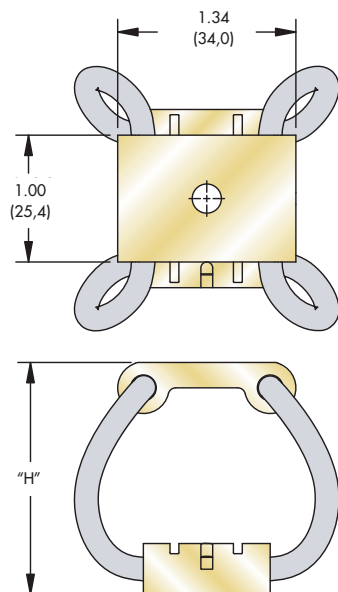
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR3-100	2.7 (12)	0.37 (9,4)	80 (14)	30 (5,3)
2	CR3-200	2.3 (10)	0.52 (13,2)	50 (8,8)	18 (3,2)
3	CR3-300	1.5 (6,7)	0.68 (17,3)	33 (5,8)	10 (1,8)
4	CR3-400	1.0 (4,4)	0.90 (22,9)	20 (3,5)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



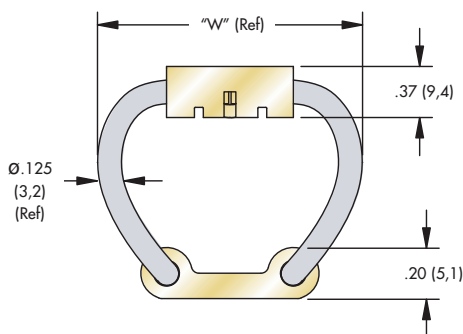
Shear/Roll

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.



Note: Dimensions are in inches (mm)
Tolerances are $\pm .010$ ($\pm .25$ mm)



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)	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

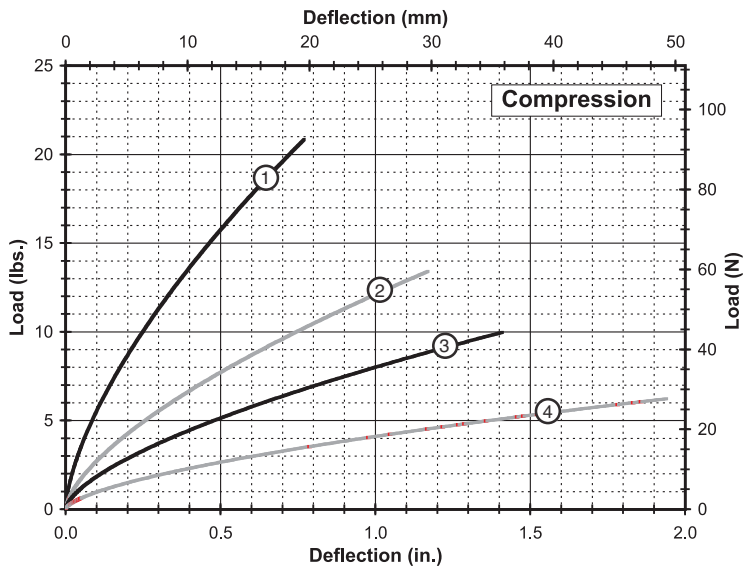
* Standard features. Any non-standard items may require longer lead times. Call for quotation.

Mounting Options

Thru A C'sink	C'sink B C'sink	Thru C Thread
Thread D Thread	Thread E C'sink	Thru S Thru

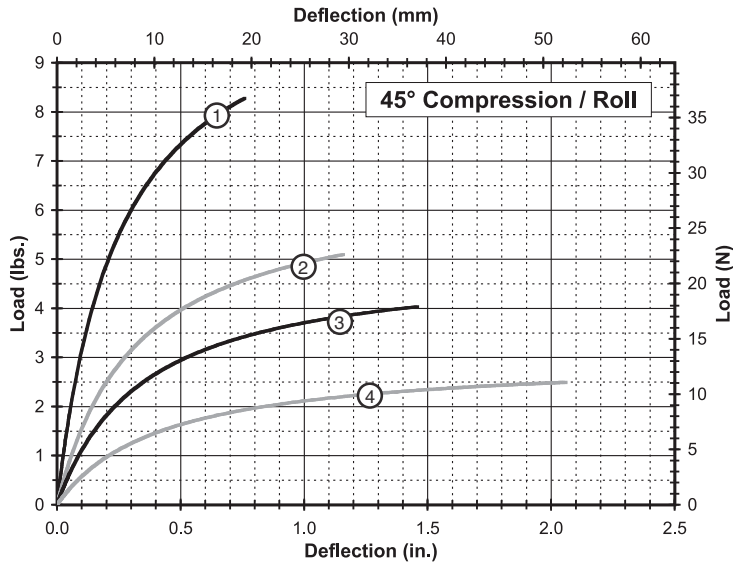
- Maximum recommended torque for tapped aluminum bar is 40 in.-lbs. (7,5 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,244,579

Static Load vs. Deflection



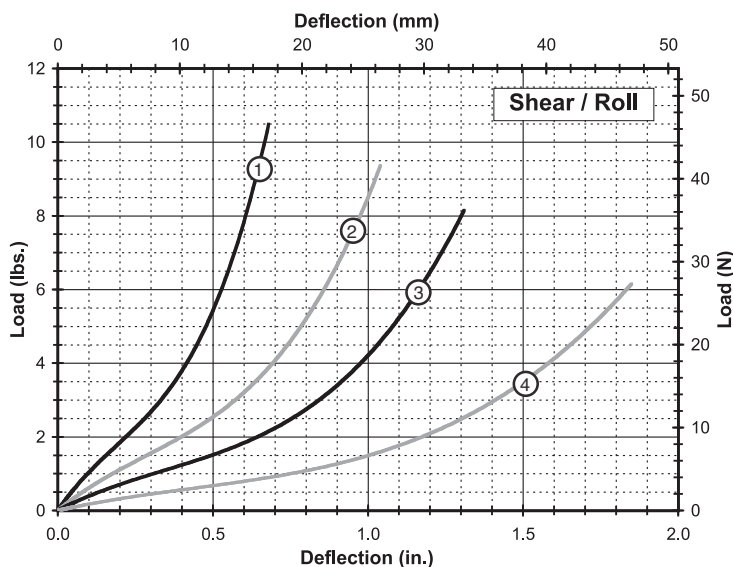
Compression

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

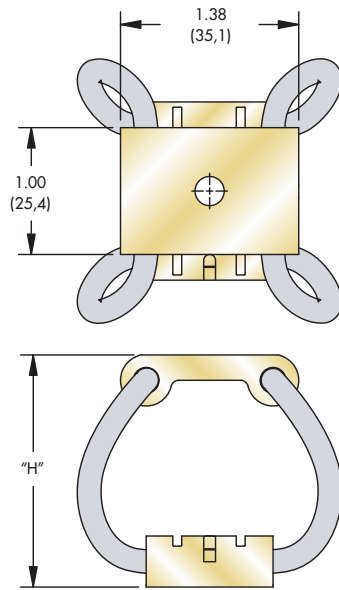
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR4-100	2.5 (11)	0.76 (19,3)	37 (6,4)	16 (2,8)
2	CR4-200	1.5 (6,7)	1.16 (29,5)	18 (3,1)	6 (1,1)
3	CR4-300	1.2 (5,3)	1.46 (37,1)	13 (2,2)	4 (0,70)
4	CR4-400	0.80 (3,6)	2.06 (52,3)	6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



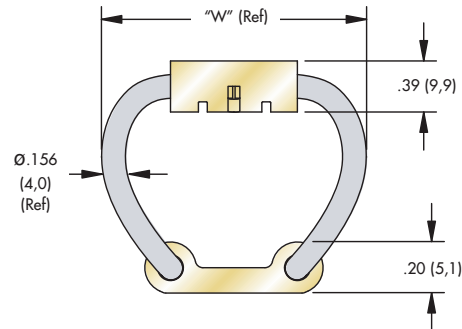
Shear/Roll

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.



Note: Dimensions are in inches (mm)
Tolerances are $\pm .010$ ($\pm .25$ mm)



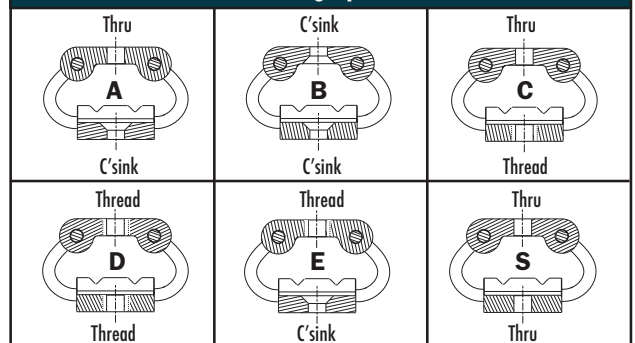
Size	Height "H" in. (mm)	Width (Ref) "W" in. (mm)	Unit Weight Lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
CR5-100	1.60 (41)	1.89 (48)	1.6 (45)	A, B, C, D, E, S	Ø.230 (Ø7,00)	#10-32 UNF (M6 X 1,0)	82° (90°)
CR5-200	2.09 (53)	2.13 (54)	1.7 (48)				
CR5-300	2.36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

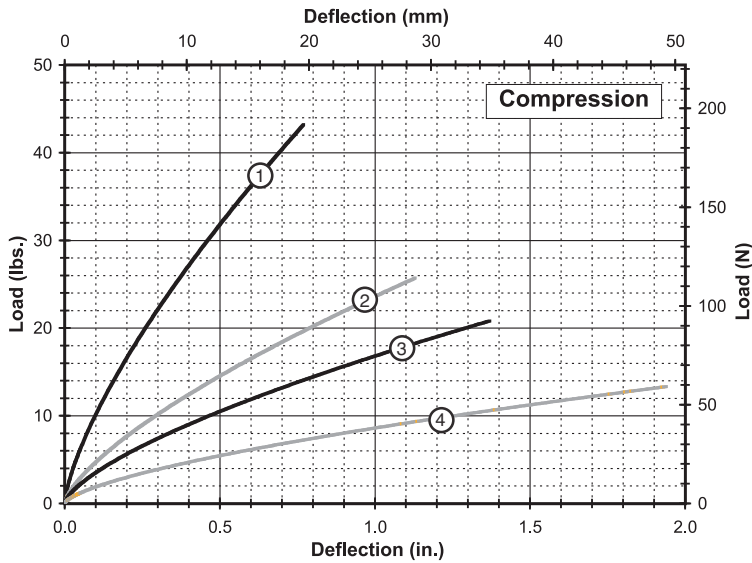
* Standard features. Any non-standard items may require longer lead times. Call for quotation.

Mounting Options



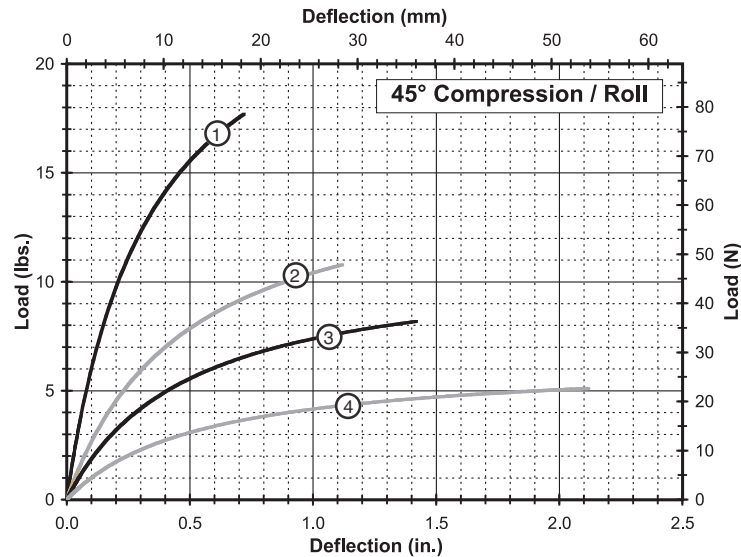
- Maximum recommended torque for tapped aluminum bar is 40 in.-lbs. (7,5 Nm)
- Wire Rope Material: Stranded 300 series stainless steel
- Operating Temperature Range: -150°F to 500°F (-100°C to 260°C)
- U.S. Patent 6,244,579

Static Load vs. Deflection



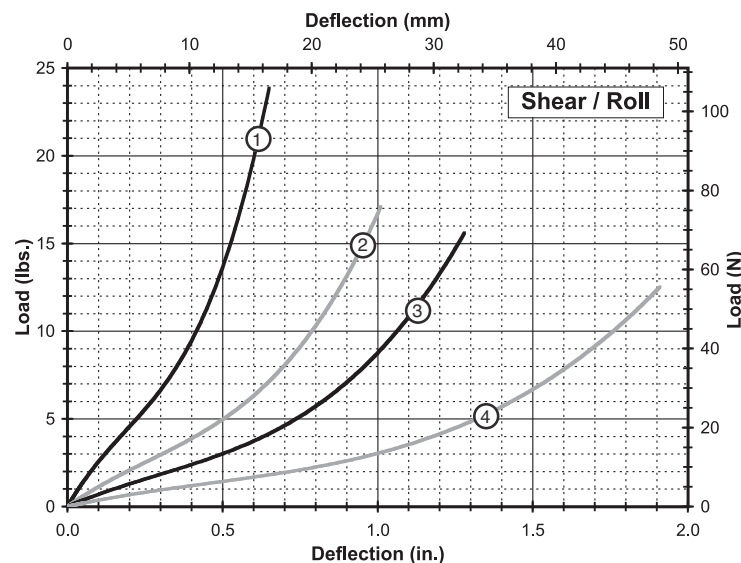
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR5-100	18 (80)	0.77 (19,6)	125 (22)	65 (11)
2	CR5-200	8.5 (38)	1.13 (28,7)	60 (11)	25 (4,4)
3	CR5-300	6.0 (27)	1.37 (34,8)	45 (7,9)	18 (3,2)
4	CR5-400	3.5 (16)	1.94 (49,3)	25 (4,4)	8 (1,4)



45° Compression/Roll

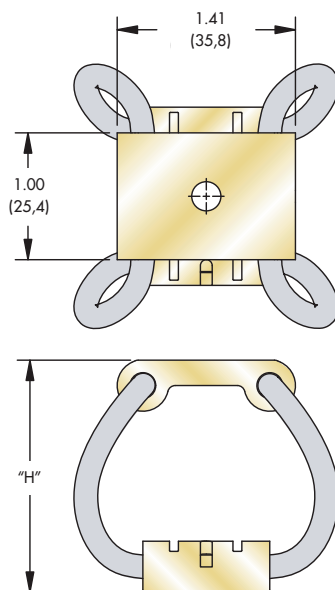
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR5-100	5.5 (24)	0.72 (18,3)	70 (12)	35 (6,1)
2	CR5-200	3.0 (13)	1.12 (28,4)	30 (5,3)	13 (2,3)
3	CR5-300	2.5 (11)	1.42 (36,1)	20 (3,6)	8 (1,4)
4	CR5-400	1.5 (6,7)	2.12 (53,8)	11 (1,9)	4 (0,70)



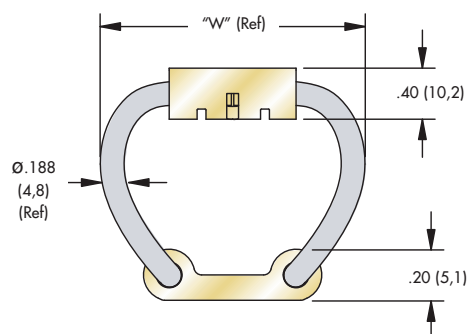
Shear/Roll

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	CR5-100	4.5 (20)	0.65 (16,5)	25 (4,4)	25 (4,4)
2	CR5-200	3.0 (13)	1.01 (25,7)	12 (2,1)	12 (2,1)
3	CR5-300	2.5 (11)	1.28 (32,5)	8 (1,4)	8 (1,4)
4	CR5-400	1.5 (6,7)	1.91 (48,5)	4 (0,70)	4 (0,70)

Note: Do not extrapolate plotted curves.



Note: Dimensions are in inches (mm)
Tolerances are $\pm .010$ ($\pm .25$ mm)



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)
CR6-100	1.83 (47)	$\pm .06$ ($\pm 1,52$)	2.11 (54)	A, B, C, D, E, S	Ø.230 (Ø7,00)	#10-32 UNF (M6 X 1,0)	82° (90°)
CR6-200	2.15 (55)		2.31 (59)				
CR6-300	2.51 (64)		2.50 (64)				
CR6-400	3.09 (79)		2.86 (73)				

Model Number Ordering Code

CR6 - 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

Thru A C'sink	C'sink B C'sink	Thru C Thread
Thread D Thread	Thread E C'sink	Thru S Thru

- 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