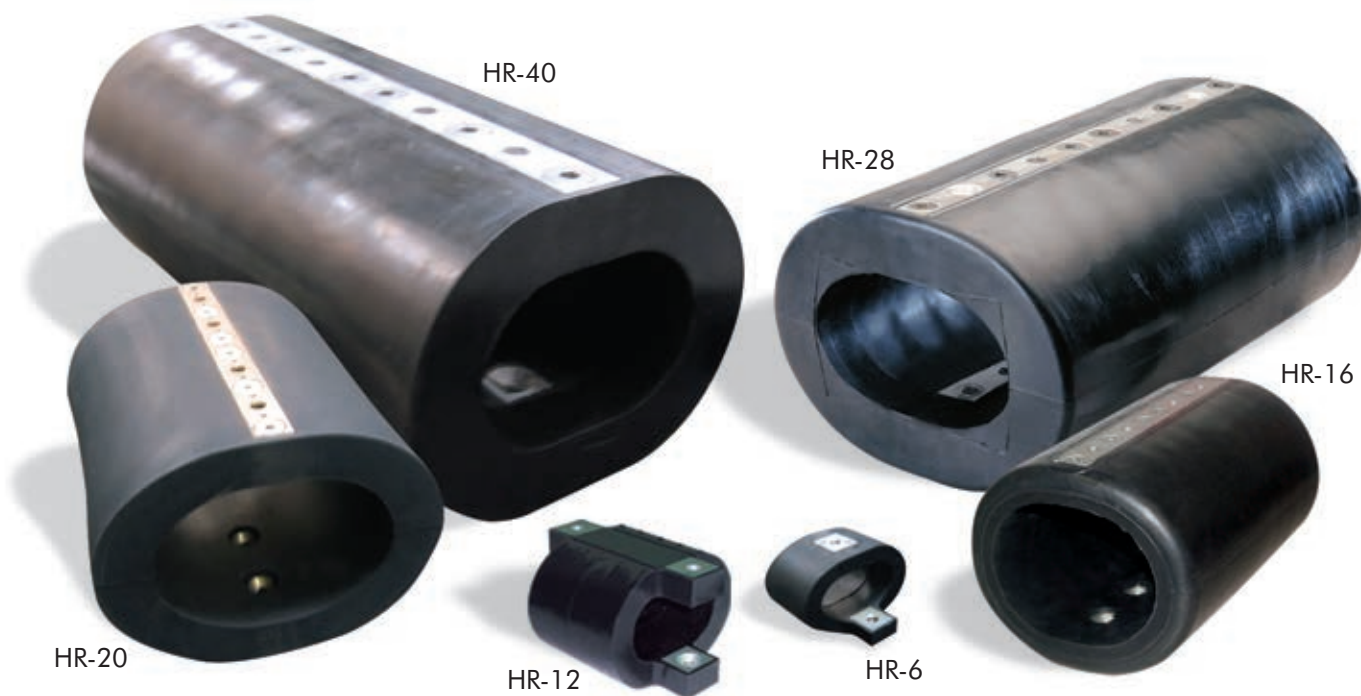
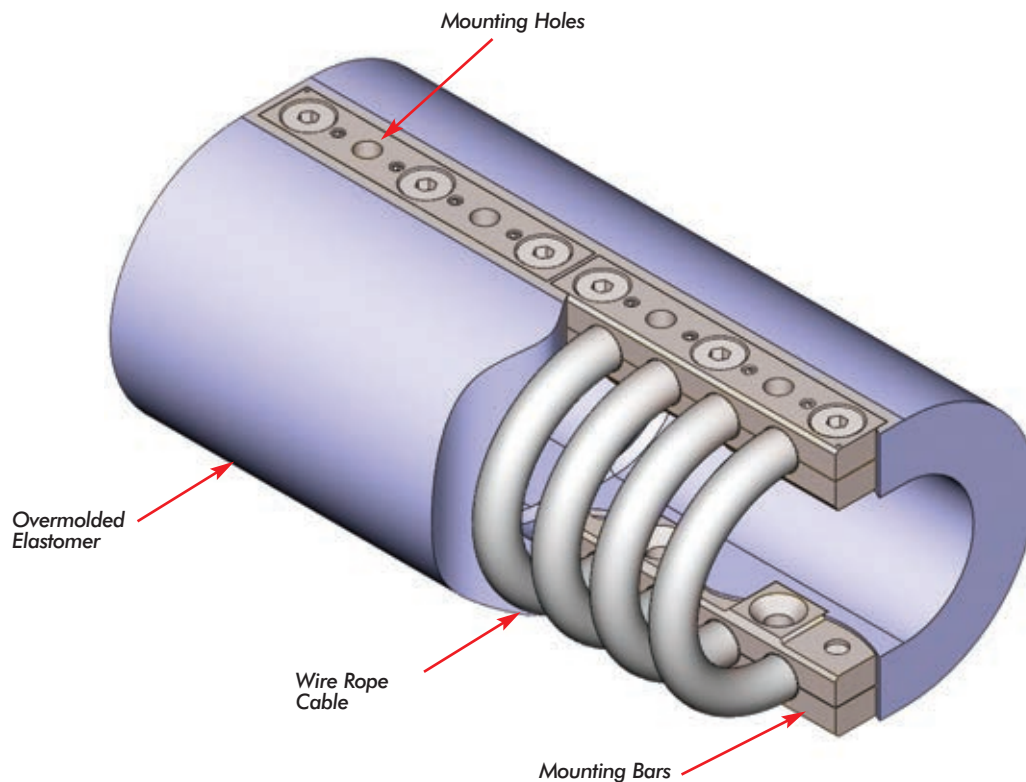




The HERM isolator incorporates the use of a traditional Enidine helical wire rope isolator encased in a proprietary elastomeric compound. The stainless steel cable of the mount provides for a rugged construction, while the elastomer provides additional damping and stiffness. This unique design results in a fail safe mount with a higher stiffness and energy absorption capacity.

The mount is readily scalable and performance easily tuned by varying the wire diameter, loop size, number of loops and elastomeric properties. The HERM isolator has proven particularly strong in low natural frequency "soft deck" applications of 12-16 Hz, reducing output G's to below 15G's. Its sealed nature of construction also provides for easy NBC washdown. Since the mounting size of the HERM isolator is virtually identical to that of standard wire rope isolators used in many shipboard applications, equipment upgrades are both simple and seamless with drop-in replacement capability.

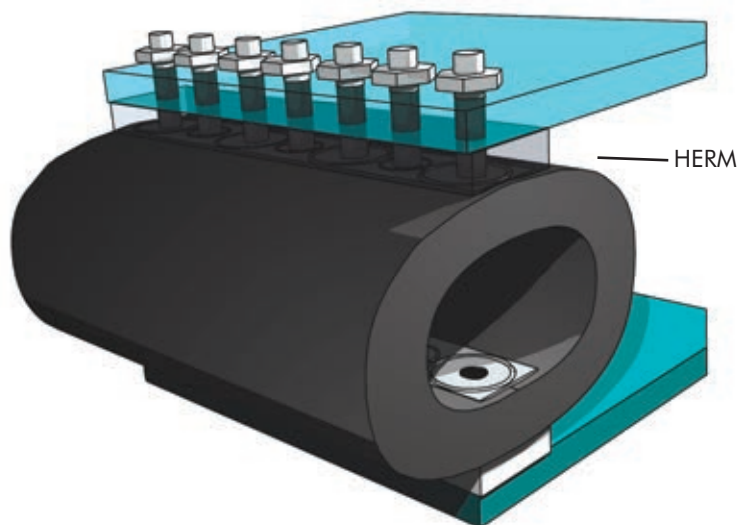


HERM Features:

- Lowest profile design for a 14 Hz deck solution
- A variety of material combinations available
- Mounting identical to traditional Wire Rope Isolators
- Readily "tunable" to meet a wide range of natural frequencies
- Greater load carrying capability

HERM Benefits:

- Easy retrofit on fielded equipment
- Fewer mounts required to support a given load
- Smaller "footprint" than other mounts
- Compatible with NBC wash down requirements
- Improved noise attenuation compared to standard Wire Rope Isolators



Materials and Finishes:

- Standard:** Elastomer: Proprietary Enidine Compound
Wire Rope: 302/304 Stainless Steel
Mount Bars: 6061-T6 Aluminum, Chemical Conversion Coated per MIL-C-5541, Class 1A
Hardware: Alloy Steel per ASTM F835, Zinc Plated (HR16, HR20, HR28 and HR40)
- Optional:** Mount Bars: 6061-T6 Aluminum, Anodized per MIL-A-8625, Type II, Class 1
302/304 Stainless Steel per ASTM A276, Passivated
Hardware: 302/304 Stainless Steel (when stainless steel bars are specified)
- Special:** Consult Enidine

Isolator Options:

- Mounting:** Enidine offers various mounting combinations of thru-hole, countersunk, and threaded bars depending upon the HERM model selected.
Consult Enidine if a preferred mounting configuration is not listed.

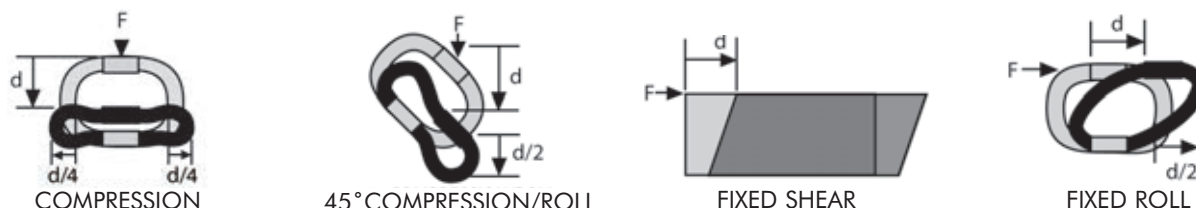
Performance:

Stiffness (Kv or Ks):

HERM's 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 54 to predict system performance.

Isolator Axes:

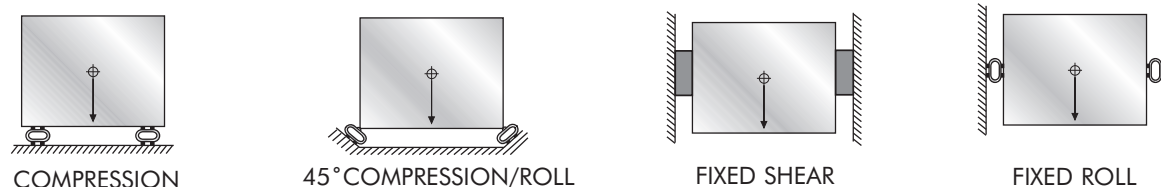
HERM are multi-axis isolators. The diagram below includes load axis definitions and deflection considerations.



Damping: Typically 15-25%, depending on the application. For specific damping considerations, consult Enidine.

Mounting Orientation:

The diagrams below illustrate typical mounting orientations.

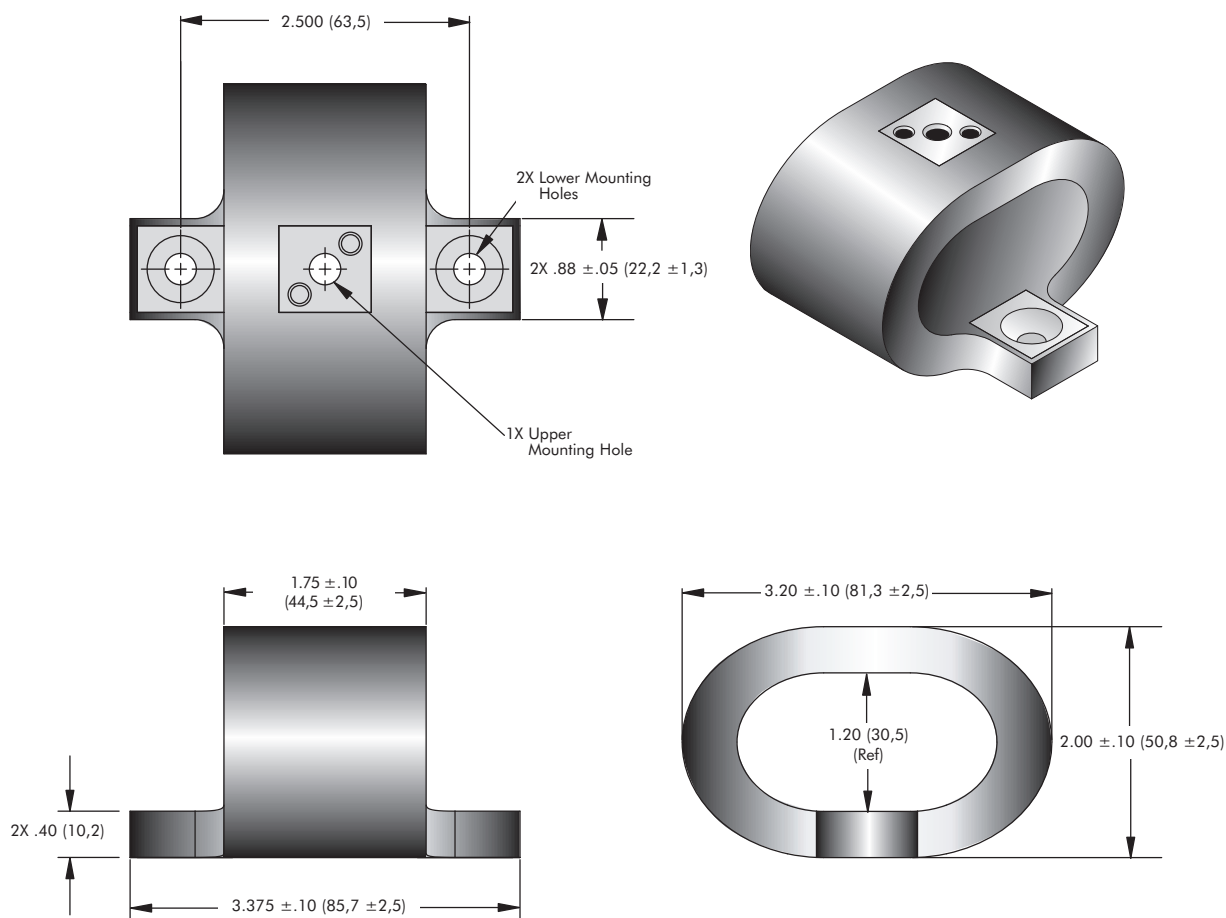


Stabilizers:

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.

For complete wire rope isolator product sizing please visit www.enisize.com online or feel free to use the data sheet below and send it to Enidine by fax at 716.662.1909 or email to industrialsales@enidine.com.

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 = _____ 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 $\left(= \frac{\text{rpm}}{60} \right)$	
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 = $\frac{W (2 f_n)^2}{g}$ 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} = $\sqrt{\frac{V}{K_s(\text{Isolator})g}}$	D _{actual} = _____ in. D _{actual} = _____ m
7. If isolator's max deflection is exceeded, select another isolator and repeat steps 5 and 6.		



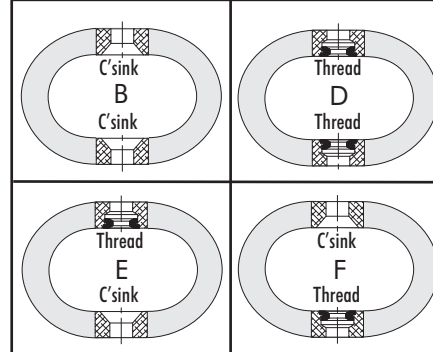
Note: Dimensions are in inches (mm) Tolerances are $\pm .010$ ($\pm .25\text{mm}$)

Size	Unit Weight lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
HR6-600	0.4 (0,2)	B, D, E, F	Ø.272 (Ø6,9)	#1/4-20 UNC (M6 X 1,0)	82° (90°)
HR6-400	0.4 (0,2)				
HR6-200	0.4 (0,2)				

Model Number Ordering Code

HR6 - 200 - B L M	
HR6	Isolator Model: See Sizing Table
200	Size: See Sizing Table
B	Mounting Options: See Chart
L	Threaded Hole Options: [L] - Helical, Locking, Dry Film Lubricated [H] - Helical, Free Running
M	Add "M" for Metric All Mounting Options

Mounting Options

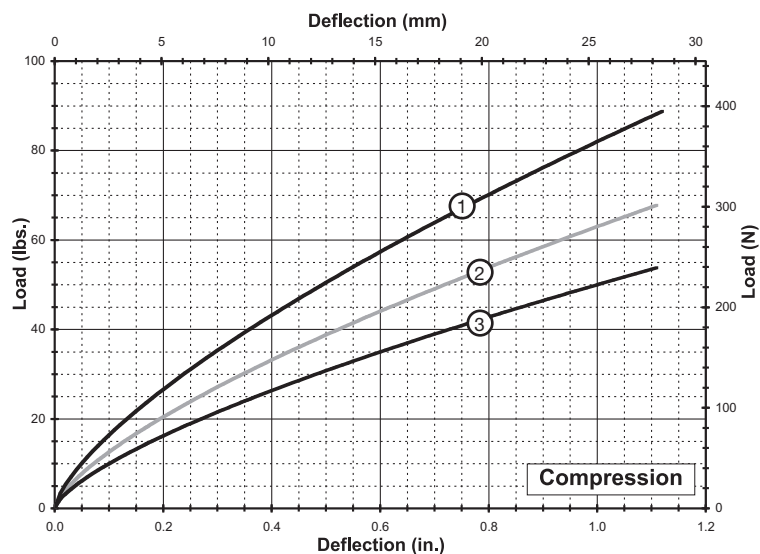


Wire Rope Special Options

Optional materials for the wire rope and mount bars are available upon request. Possibilities include galvanized rope, bell mouth mount bars or stainless steel rope and mount bars. Please contact Enidine to discuss in more detail. Minimum purchase quantities may apply. See page 53.

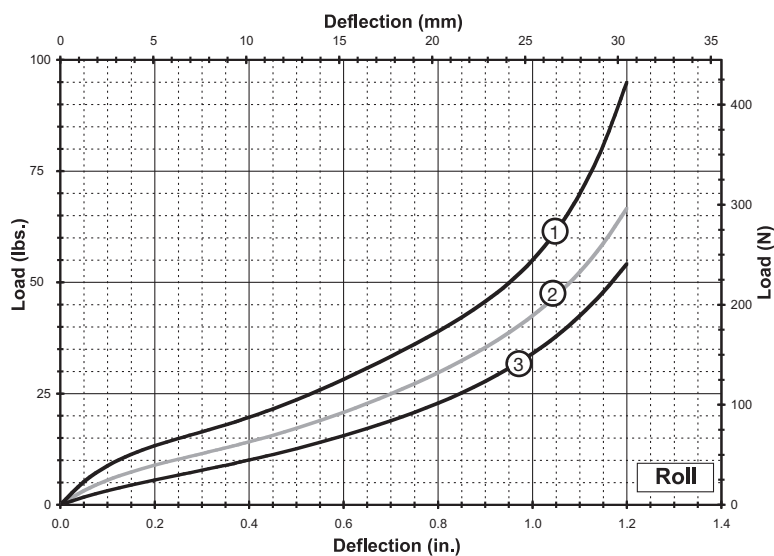
- Meets environmental requirements of MIL-M-17185A

Static Load vs. Deflection



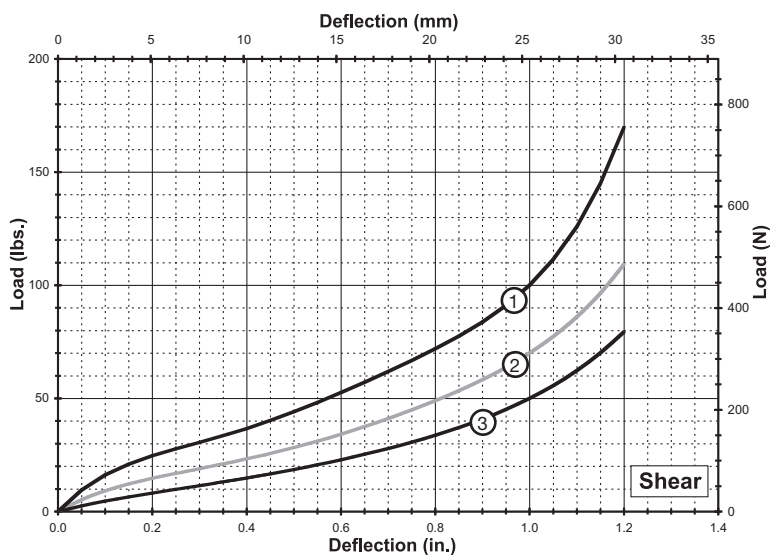
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR6-600	24 (107)	1.12 (28,4)	215 (38)	140 (25)
2	HR6-400	18 (80)	1.12 (28,4)	165 (29)	110 (19)
3	HR6-200	14 (62)	1.12 (28,4)	130 (23)	85 (15)



Roll

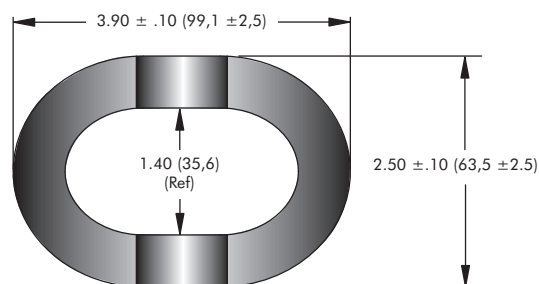
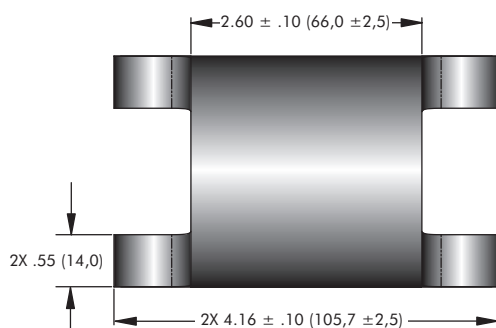
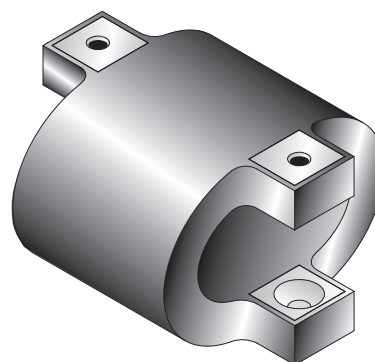
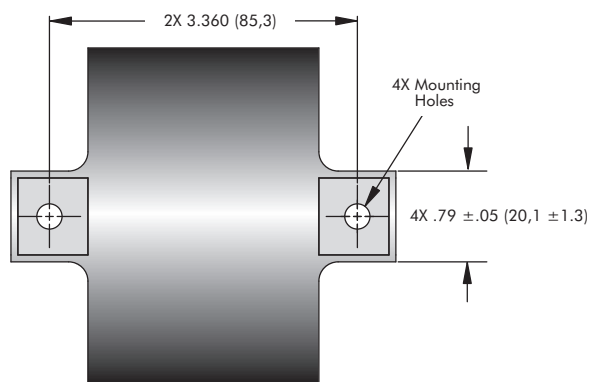
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR6-600	18 (80)	1.20 (30,5)	115 (20)	83 (15)
2	HR6-400	13 (58)	1.20 (30,5)	73 (13)	63 (11)
3	HR6-200	9 (40)	1.20 (30,5)	40 (7)	48 (9)



Shear

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR6-600	34 (151)	1.20 (30,5)	210 (37)	150 (26)
2	HR6-400	20 (89)	1.20 (30,5)	120 (21)	100 (18)
3	HR6-200	13 (58)	1.20 (30,5)	60 (11)	70 (12)

Note: Do not extrapolate plotted curves.



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

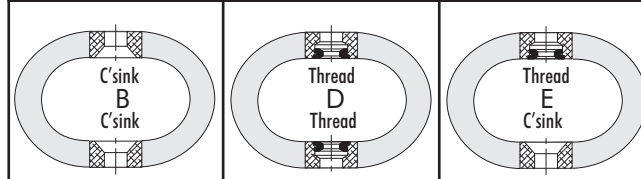
Size	Unit Weight lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
HR8-600	0.8 (0,4)	B, D, E	$\varnothing 272 \pm .005$ (6,9 $\pm$ 0,13)	#1/4-20 UNC (M6 X 1,0)	82° (90°)
HR8-400	0.8 (0,4)				
HR8-200	0.8 (0,4)				

Model Number Ordering Code

HR8 -200 - B L M

- Add "M" for Metric All Mounting Options
- Threaded Hole Options: [L] - Helical, Locking, Dry Film Lubricated
[H] - Helical, Free Running
- Mounting Options: See Chart
- Isolator Model: See Sizing Table

Mounting Options

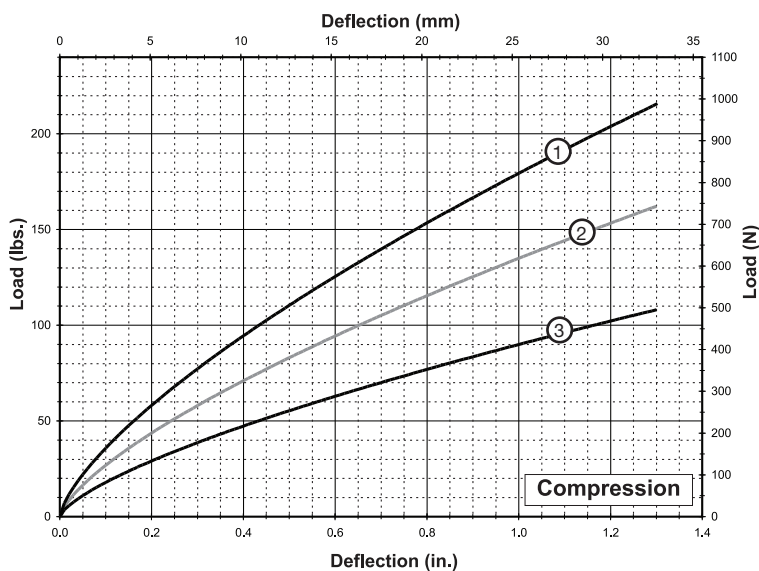


- Meets environmental requirements of MIL-M-17185A

Wire Rope Special Options

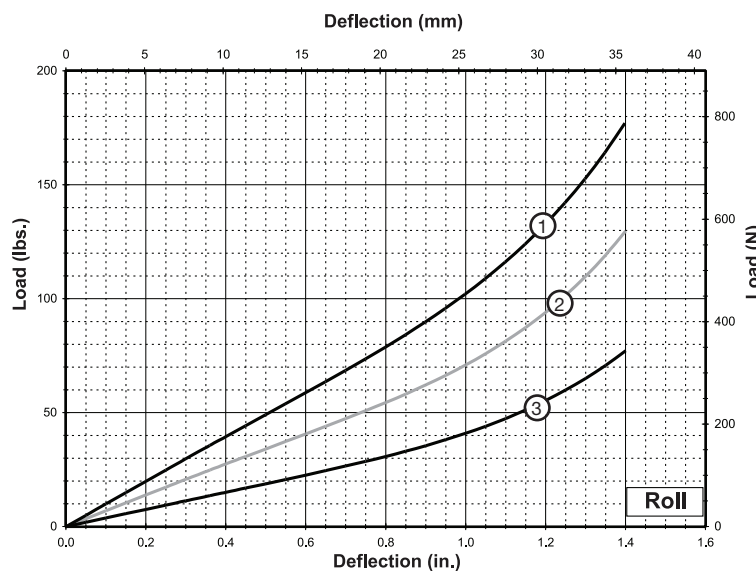
Optional materials for the wire rope and mount bars are available upon request. Possibilities include galvanized rope, bell mouth mount bars or stainless steel rope and mount bars. Please contact Enidine to discuss in more detail. Minimum purchase quantities may apply. See page 53.

Static Load vs. Deflection



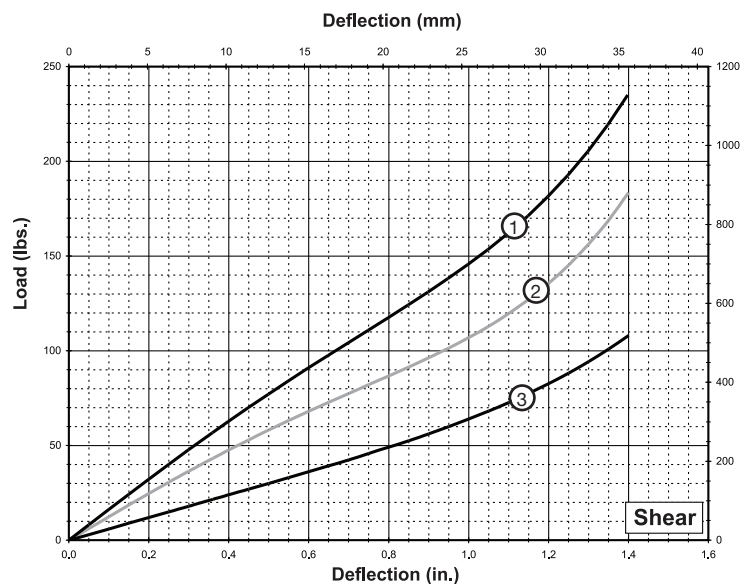
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR8-600	60 (267)	1.30 (33,1)	480 (84)	301 (53)
2	HR8-400	43 (191)	1.30 (33,1)	350 (61)	220 (39)
3	HR8-200	30 (133)	1.30 (33,1)	233 (41)	147 (26)



Roll

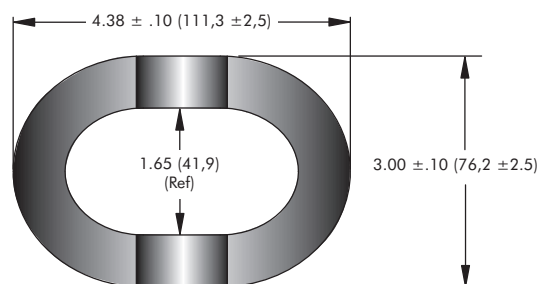
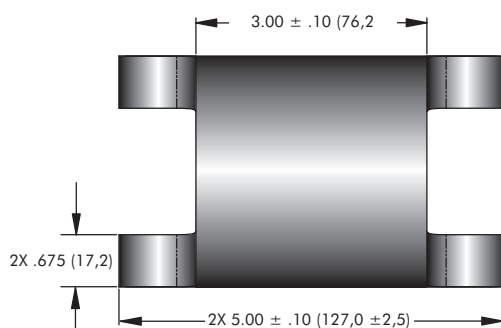
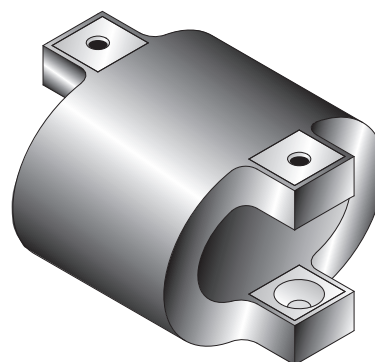
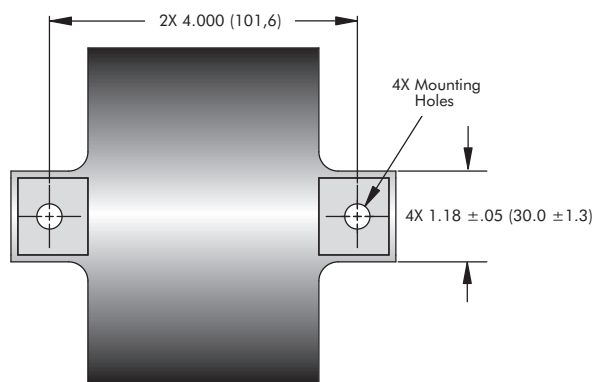
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR8-600	40 (178)	1.40 (35,6)	130 (23)	155 (28)
2	HR8-400	27 (120)	1.40 (35,6)	91 (16)	108 (19)
3	HR8-200	15 (67)	1.40 (35,6)	49 (9)	62 (11)



Shear

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR8-600	68 (302)	1.40 (35,6)	227 (40)	246 (43)
2	HR8-400	48 (214)	1.40 (35,6)	162 (28)	171 (30)
3	HR8-200	24 (107)	1.40 (35,6)	78 (14)	98 (17)

Note: Do not extrapolate plotted curves.



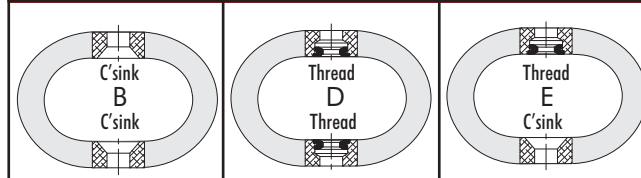
Note: Dimensions are in inches (mm) Tolerances are $\pm .010$ ($\pm .25$ mm)

Size	Unit Weight lbs. (Kg)	Mounting Options	Thru Hole in. (mm)	Thread in. (mm)	C'sink Imperial (Metric)
HR12-600	1.8 (0,8)	B, D, E	$\varnothing 328 \pm .005$ ($\varnothing 9,0 \pm 0,13$)	#5/16-18 UNC (M8 X 1,25)	82° (90°)
HR12-400	1.8 (0,8)				
HR12-200	1.8 (0,8)				

Model Number Ordering Code

HR12-200	B	L	M	
				Add "M" for Metric All Mounting Options
				Threaded Hole Options: [L] - Helical, Locking, Dry Film Lubricated [H] - Helical, Free Running
				Mounting Options: See Chart
				Isolator Model: See Sizing Table

Mounting Options

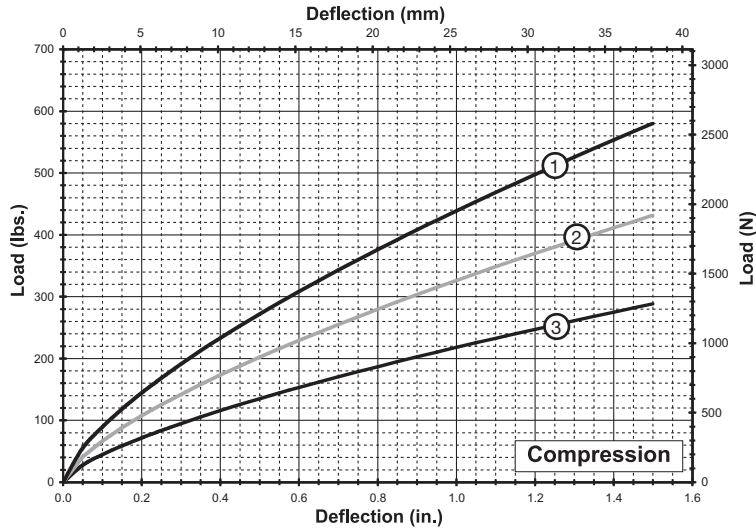


• Meets environmental requirements of MIL-M-17185A

Wire Rope Special Options

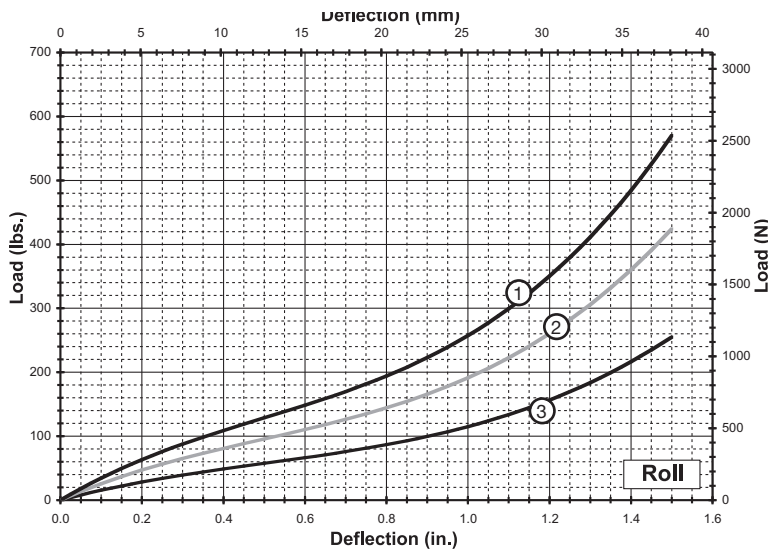
Optional materials for the wire rope and mount bars are available upon request. Possibilities include galvanized rope, bell mouth mount bars or stainless steel rope and mount bars. Please contact Enidine to discuss in more detail. Minimum purchase quantities may apply. See page 53.

Static Load vs. Deflection



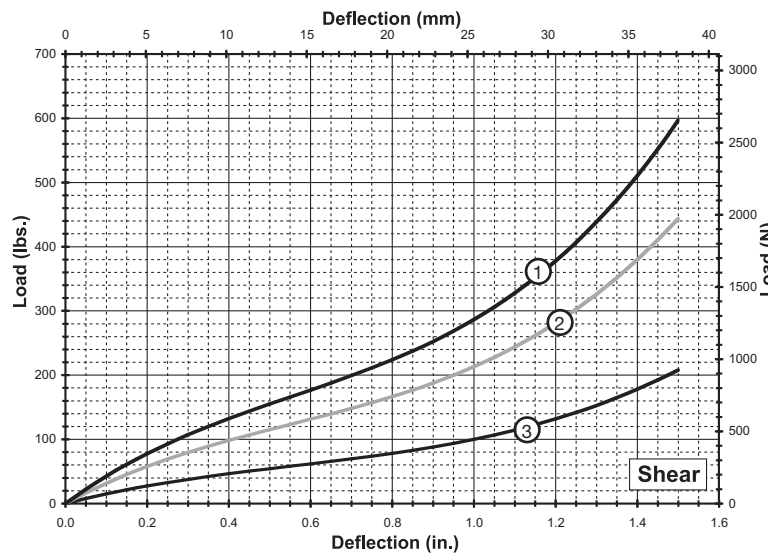
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR12-600	155 (689)	1.50 (38,1)	1,165 (204)	690 (121)
2	HR12-400	115 (512)	1.50 (38,1)	865 (151)	510 (89)
3	HR12-200	80 (356)	1.50 (38,1)	580 (102)	340 (60)



Roll

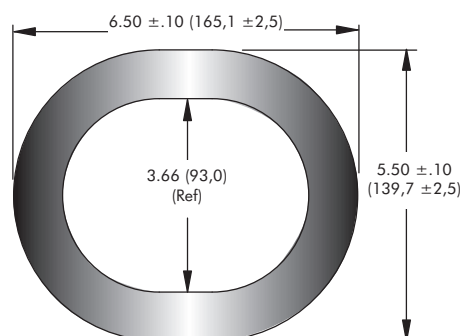
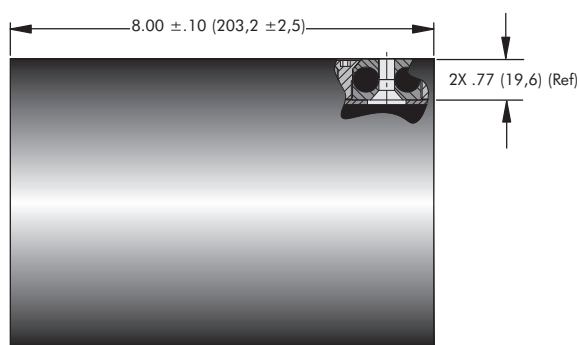
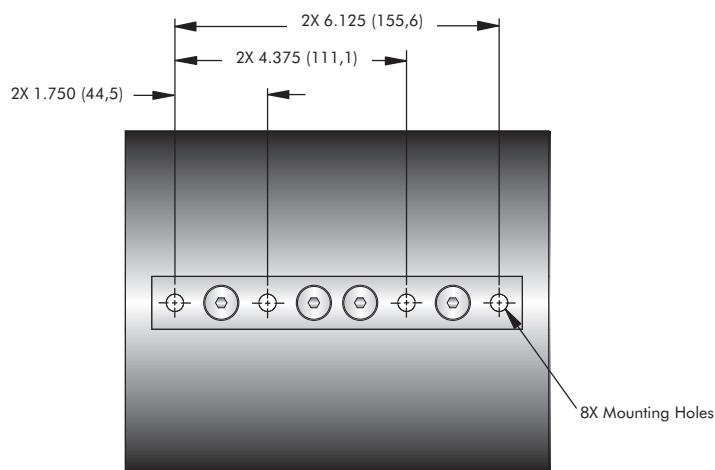
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR12-600	120 (534)	1.50 (38,1)	450 (79)	430 (75)
2	HR12-400	90 (400)	1.50 (38,1)	335 (59)	325 (57)
3	HR12-200	55 (245)	1.50 (38,1)	200 (35)	195 (34)



Shear

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR12-600	145 (645)	1.50 (38,1)	555 (97)	480 (84)
2	HR12-400	105 (467)	1.50 (38,1)	410 (72)	360 (63)
3	HR12-200	50 (222)	1.50 (38,1)	195 (34)	170 (30)

Note: Do not extrapolate plotted curves.



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

Size	Unit Weight lbs. (Kg)	Mounting Option	Thru Hole in. (mm)	C'sink Imperial
HR16-606	8.8 (4,0)	B	$\begin{matrix} +.005 \\ \text{Ø}328 \\ -.015 \end{matrix}$	82°
HR16-406	7.5 (3,4)		$\begin{matrix} + 0,13 \\ (\text{Ø}8,3 \\ - 0,38) \end{matrix}$	
HR16-206	6.0 (2,7)			

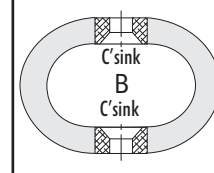
Model Number Ordering Code

HR16 - 206 - B

Mounting Option: See Chart

Isolator Model: See Sizing Table

Mounting Option



Wire Rope Special Options

Optional materials for the wire rope and mount bars are available upon request. Possibilities include galvanized rope, bell mouth mount bars or stainless steel rope and mount bars. Please contact Enidine to discuss in more detail. Minimum purchase quantities may apply. See page 53.

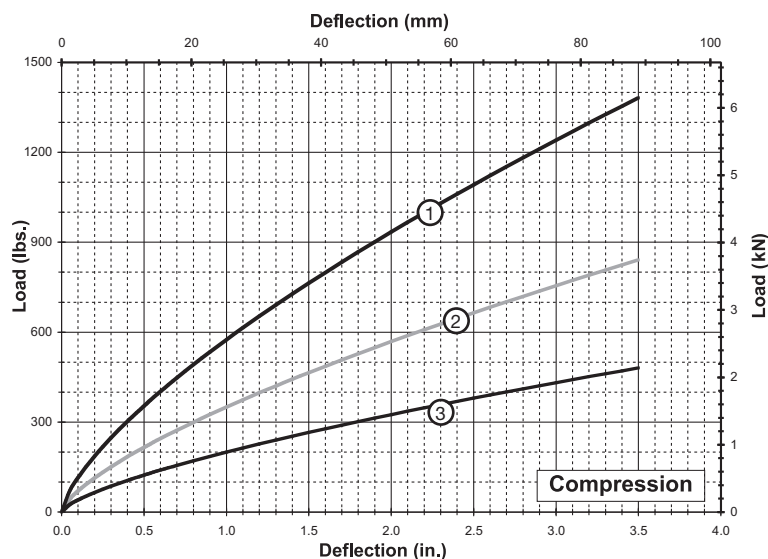
• Meets environmental requirements of MIL-M-17185A

HERM (High Energy Rope Mounts)

HR16, 8.0 Series

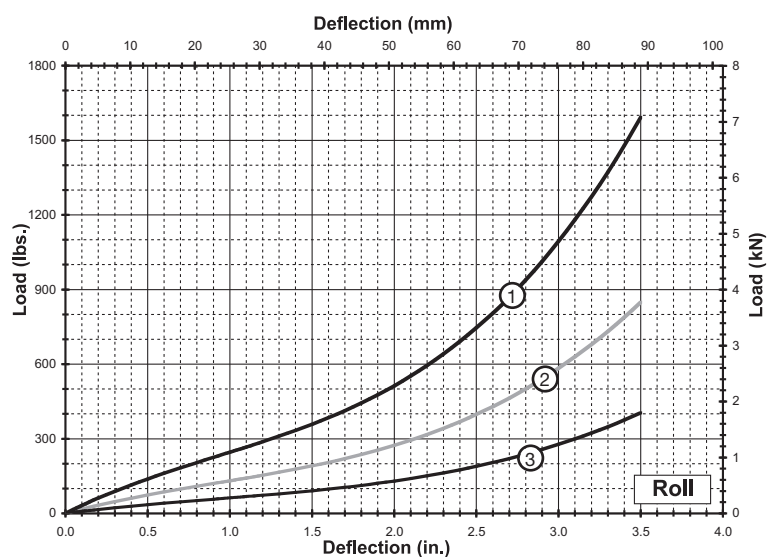
Technical Data

Static Load vs. Deflection



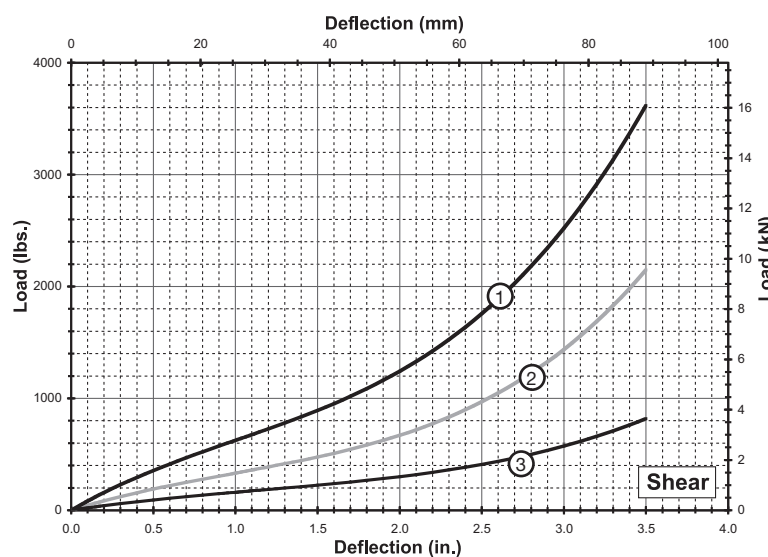
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR16-606	365 (1 624)	3.50 (88,9)	1,490 (261)	700 (123)
2	HR16-406	225 (1 001)	3.50 (88,9)	910 (159)	425 (74)
3	HR16-206	125 (556)	3.50 (88,9)	520 (91)	245 (43)



Roll

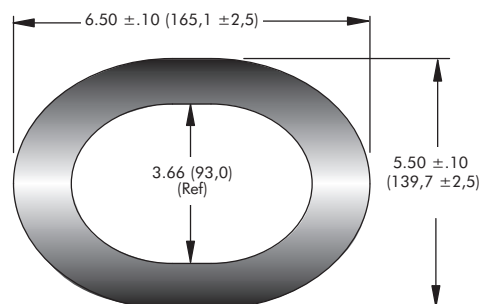
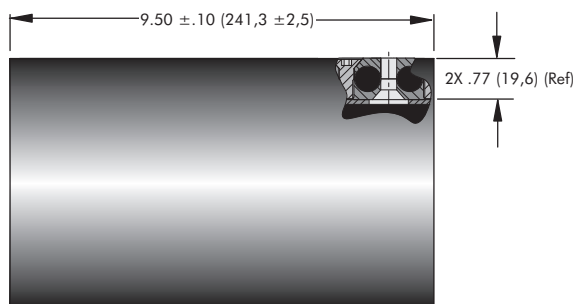
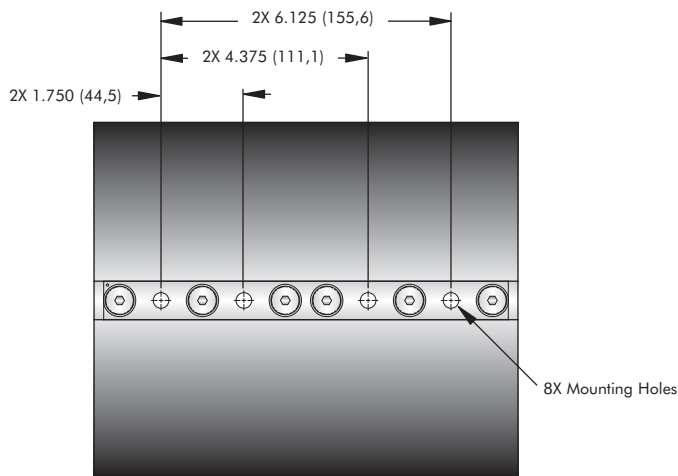
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR16-606	255 (1 134)	3.50 (88,9)	415 (73)	475 (83)
2	HR16-406	135 (601)	3.50 (88,9)	220 (39)	250 (44)
3	HR16-206	65 (289)	3.50 (88,9)	105 (18)	120 (21)



Shear

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR16-606	650 (2 891)	3.50 (88,9)	1,065 (187)	1,115 (195)
2	HR16-406	345 (1 535)	3.50 (88,9)	565 (99)	690 (121)
3	HR16-206	165 (734)	3.50 (88,9)	275 (48)	255 (45)

Note: Do not extrapolate plotted curves.



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

Size	Unit Weight lbs. (Kg)	Mounting Option	Thru Hole in. (mm)	C'sink Imperial
HR16-600	10.5 (4,8)	B	$\emptyset.328^{+.005}_{-.015}$	82°
HR16-400	9.0 (4,1)		$\emptyset.328^{+.013}_{-.038}$	
HR16-200	7.5 (3,4)			

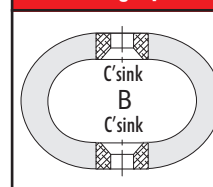
Model Number Ordering Code

HR16 -200 - B

Mounting Option: See Chart

Isolator Model: See Sizing Table

Mounting Option

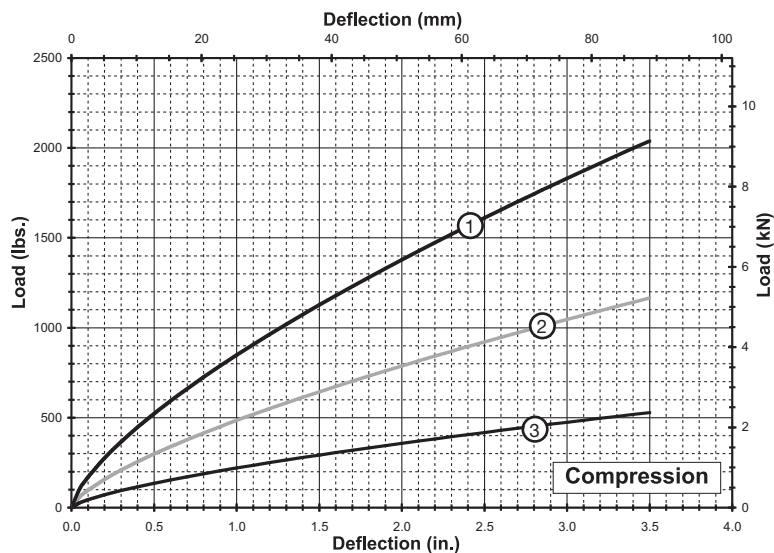


Wire Rope Special Options

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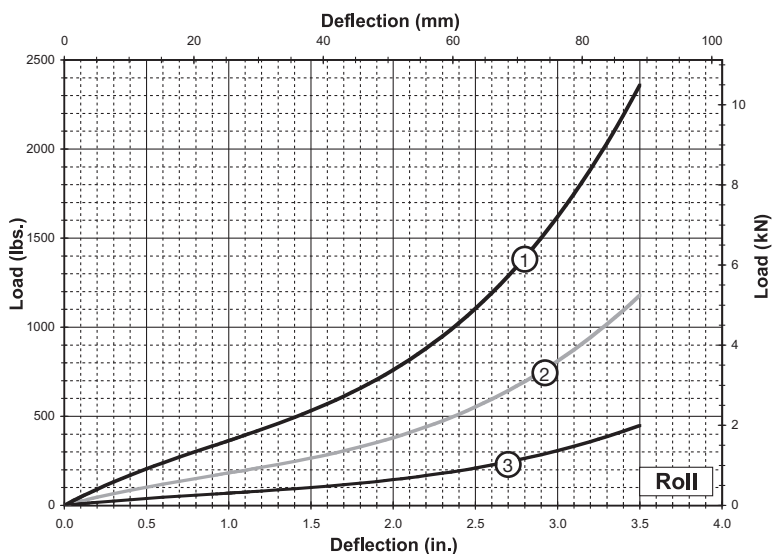
• Meets environmental requirements of MIL-M-17185A

Static Load vs. Deflection



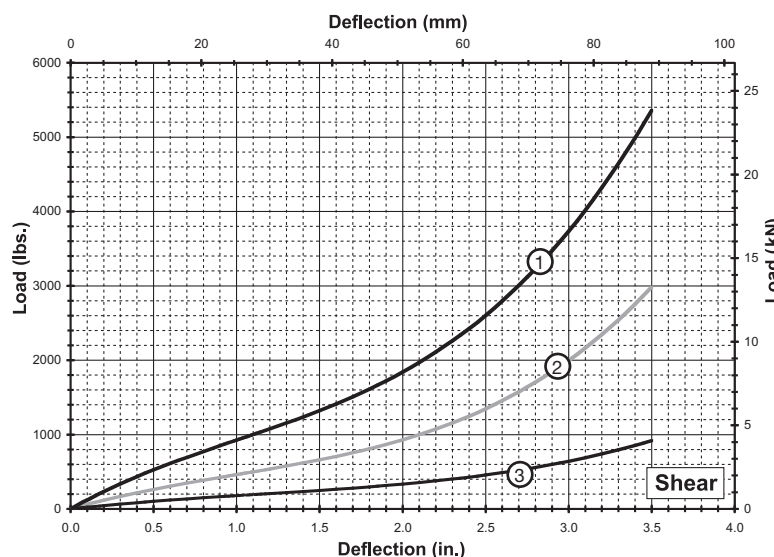
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR16-600	545 (2 424)	3.50 (88,9)	2,220 (389)	1,035 (181)
2	HR16-400	310 (1 379)	3.50 (88,9)	1,260 (221)	590 (103)
3	HR16-200	140 (623)	3.50 (88,9)	570 (100)	270 (47)



Roll

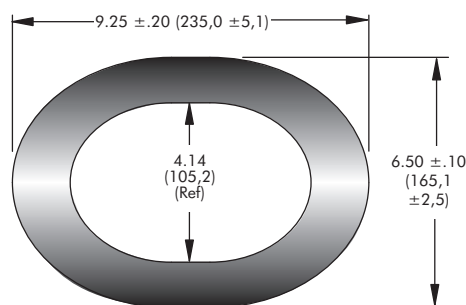
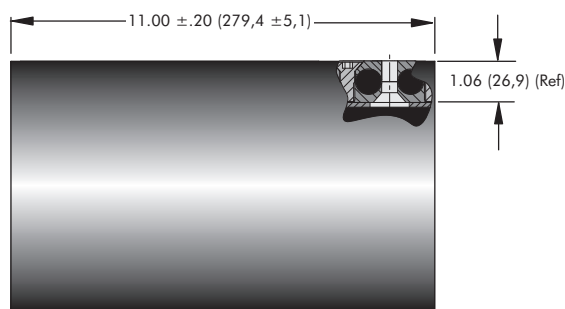
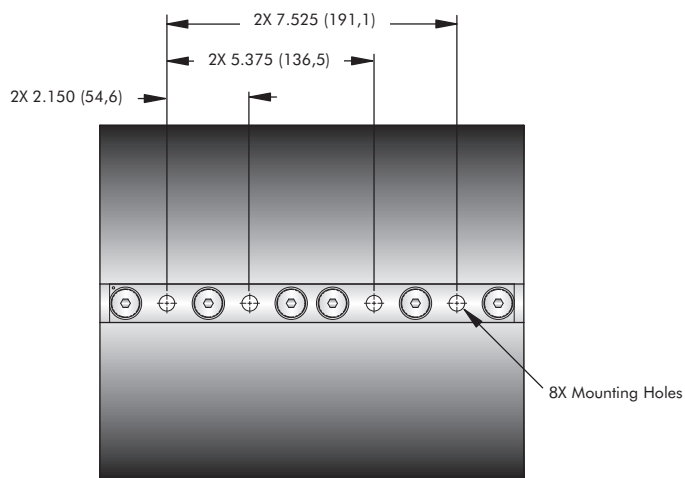
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR16-600	375 (1 668)	3.50 (88,9)	615 (108)	700 (123)
2	HR16-400	185 (823)	3.50 (88,9)	305 (53)	350 (61)
3	HR16-200	70 (311)	3.50 (88,9)	115 (20)	135 (24)



Shear

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR16-600	960 (4 270)	3.50 (88,9)	1,575 (276)	1,655 (290)
2	HR16-400	480 (2 135)	3.50 (88,9)	790 (138)	870 (152)
3	HR16-200	185 (823)	3.50 (88,9)	305 (53)	295 (52)

Note: Do not extrapolate plotted curves.



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

Size	Unit Weight lbs. (Kg)	Mounting Option	Thru Hole in. (mm)	C'sink Imperial
HR20-600	21 (9,5)	B	$\begin{matrix} +.005 \\ \text{Ø} .406 \\ -.015 \\ (+0,13 \\ \text{Ø} 10,3 -0,38) \end{matrix}$	82°
HR20-400	18 (8,2)			
HR20-200	14 (6,4)			

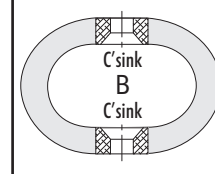
Model Number Ordering Code

HR20 -200 - B

Mounting Option: See Chart

Isolator Model: See Sizing Table

Mounting Option

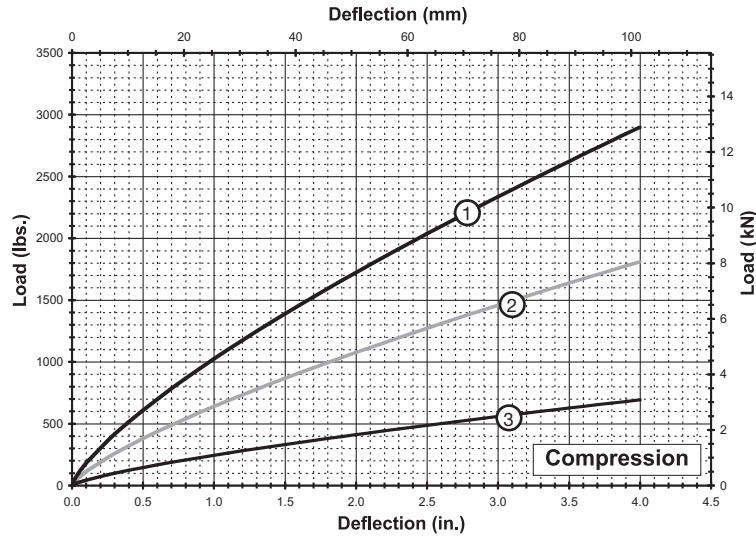


Wire Rope Special Options

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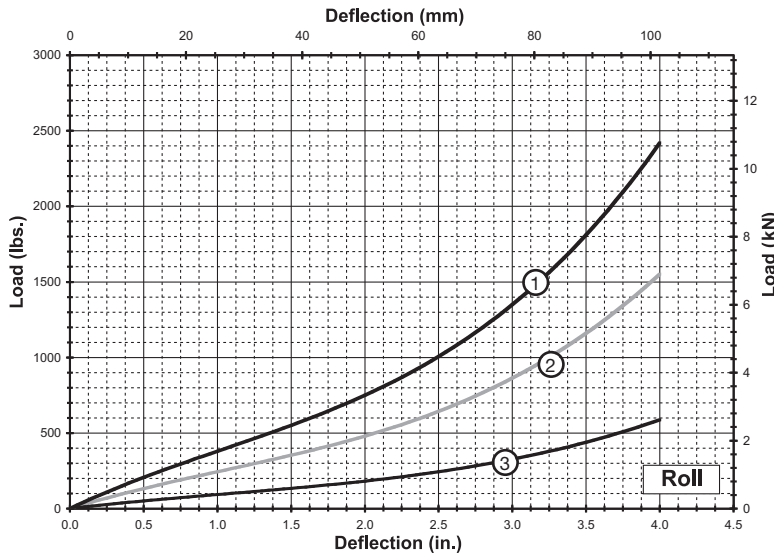
- Meets environmental requirements of MIL-M-17185A

Static Load vs. Deflection



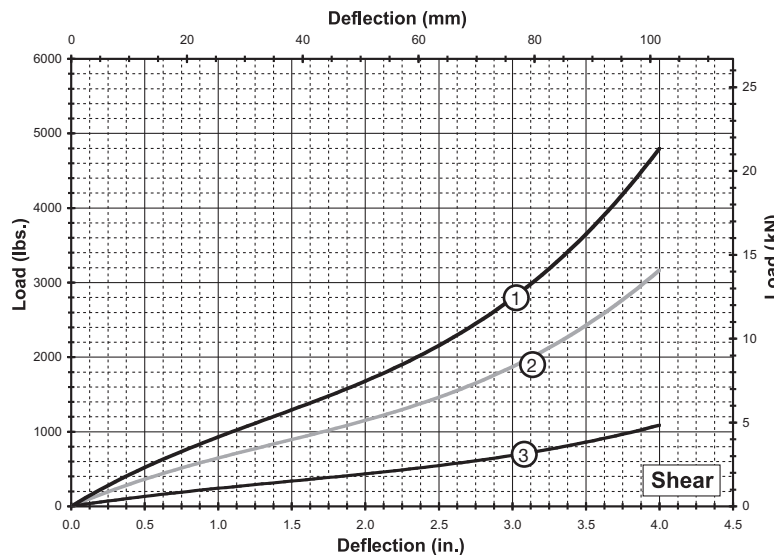
Compression

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR20-600	700 (3 114)	4.00 (101,6)	2,370 (415)	1,245 (218)
2	HR20-400	435 (1 935)	4.00 (101,6)	1,480 (259)	777 (136)
3	HR20-200	165 (734)	4.00 (101,6)	565 (99)	295 (52)



Roll

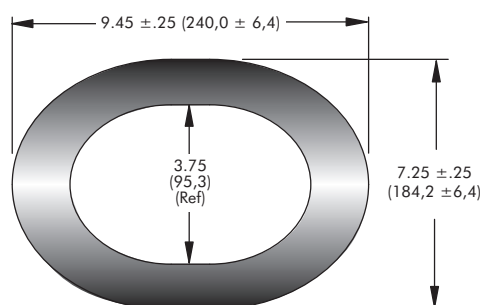
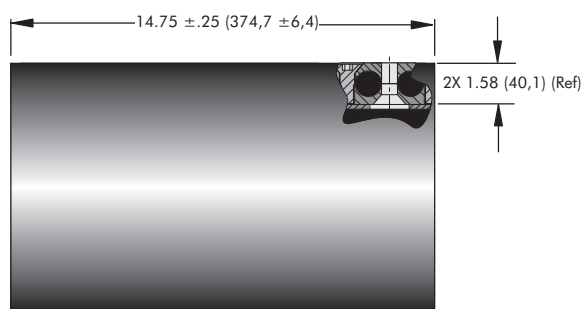
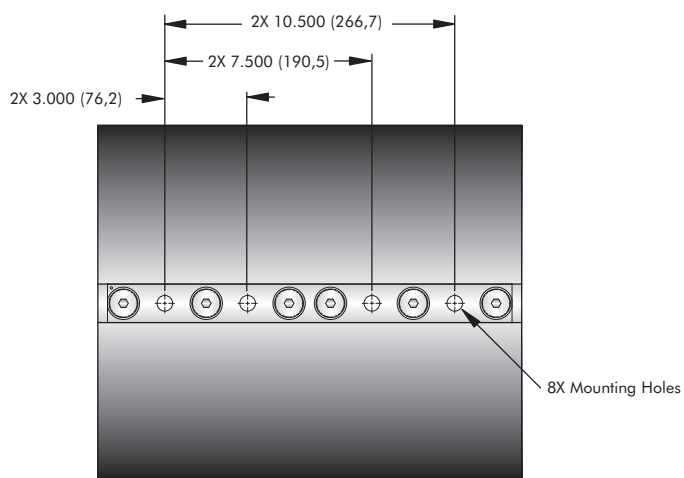
Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR20-600	360 (1 601)	4.00 (101,6)	590 (103)	675 (118)
2	HR20-400	230 (1 023)	4.00 (101,6)	380 (67)	435 (76)
3	HR20-200	90 (400)	4.00 (101,6)	145 (25)	165 (29)



Shear

Curve	Model	Max Static Load Lbs. (N)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR20-600	925 (4 115)	4.00 (101,6)	1,515 (265)	1,440 (252)
2	HR20-400	645 (2 869)	4.00 (101,6)	1,060 (186)	970 (170)
3	HR20-200	230 (1 023)	4.00 (101,6)	380 (67)	355 (62)

Note: Do not extrapolate plotted curves.



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

Size	Unit Weight lbs. (Kg)	Mounting Option	Thru Hole in. (mm)	C'sink Imperial
HR28-600	50 (23)	B	$\begin{matrix} +.005 \\ \text{Ø}531 \\ -.015 \\ (\text{Ø}13,5 \\ +0,13 \\ -0,38) \end{matrix}$	82°
HR28-400	40 (18)			
HR28-200	30 (14)			

Model Number Ordering Code

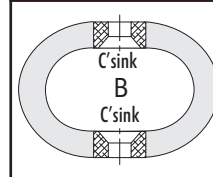
HR28 - 200 - B

Mounting Option: See Chart
Isolator Model: See Sizing Table

Wire Rope Special Options

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Mounting Option

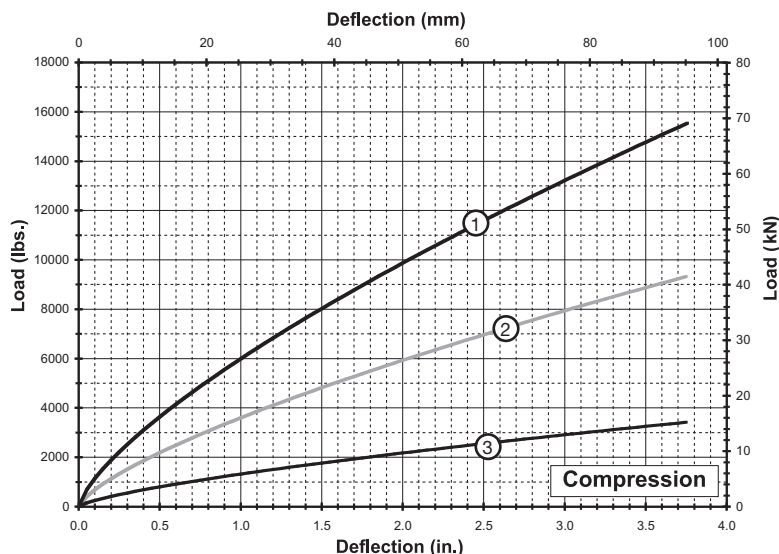


HERM (High Energy Rope Mount)

HR28 Series

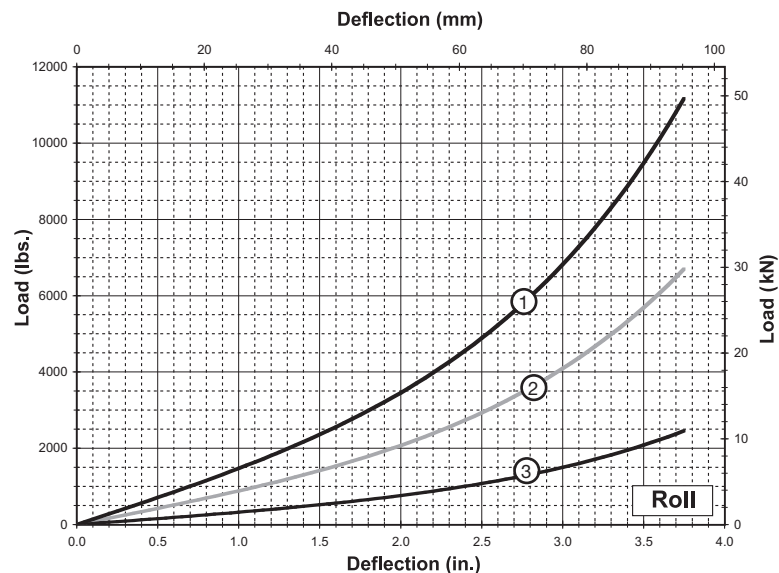
Technical Data

Static



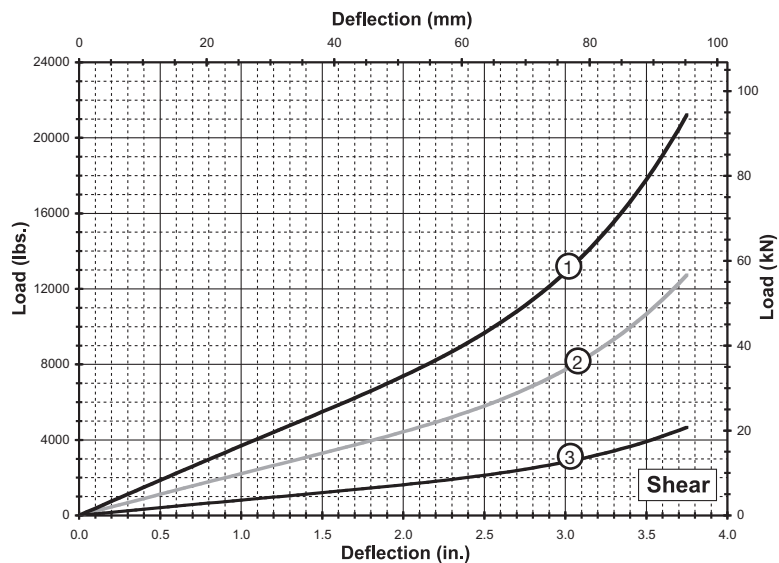
Compression

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR28-600	4,000 (17,79)	3.75 (95,3)	14,865 (2 603)	7,230 (1 266)
2	HR28-400	2,375 (10,56)	3.75 (95,3)	8,920 (1 562)	4,335 (759)
3	HR28-200	870 (3,87)	3.75 (95,3)	3,270 (573)	1,590 (278)



Roll

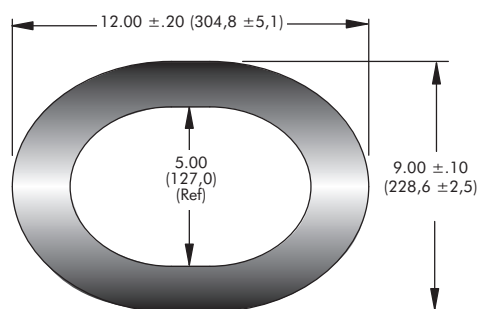
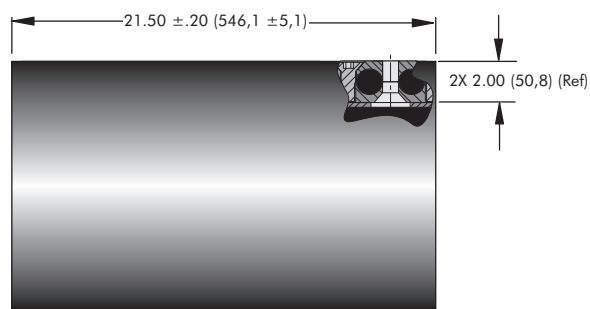
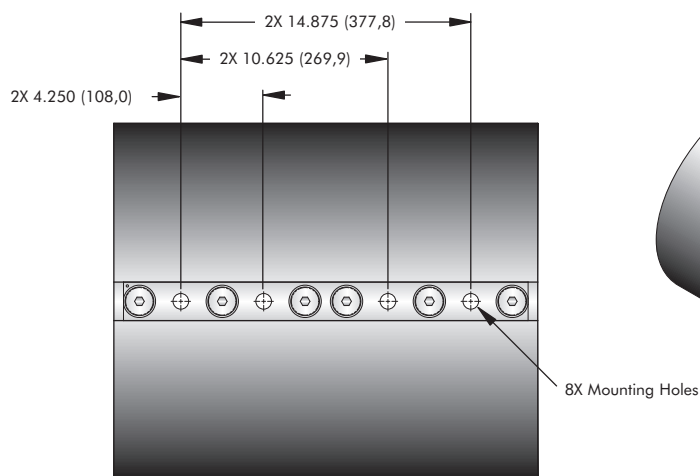
Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR28-600	1,110 (4,94)	3.75 (95,3)	1,820 (319)	3,135 (549)
2	HR28-400	670 (2,98)	3.75 (95,3)	1,095 (192)	1,880 (329)
3	HR28-200	245 (1,09)	3.75 (95,3)	400 (70)	690 (121)



Shear

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR28-600	2,980 (13,26)	3.75 (95,3)	4,875 (854)	6,315 (1 106)
2	HR28-400	1,790 (7,96)	3.75 (95,3)	2,925 (512)	3,790 (664)
3	HR28-200	655 (2,91)	3.75 (95,3)	1,070 (187)	1,395 (244)

Note: Do not extrapolate plotted curves.



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

Size	Unit Weight lbs. (Kg)	Mounting Option	Thru Hole in. (mm)	C'sink Imperial
HR40-600	100 (45)	B	0.781 +.005 -.015	82°
HR40-400	83 (38)			
HR40-200	67 (30)		(Ø19,8 +0,13 -0,38)	

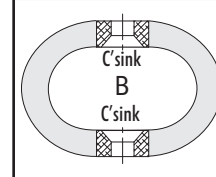
Model Number Ordering Code

HR40 - 200 - B

Mounting Option: See Chart

Isolator Model: See Sizing Table

Mounting Option

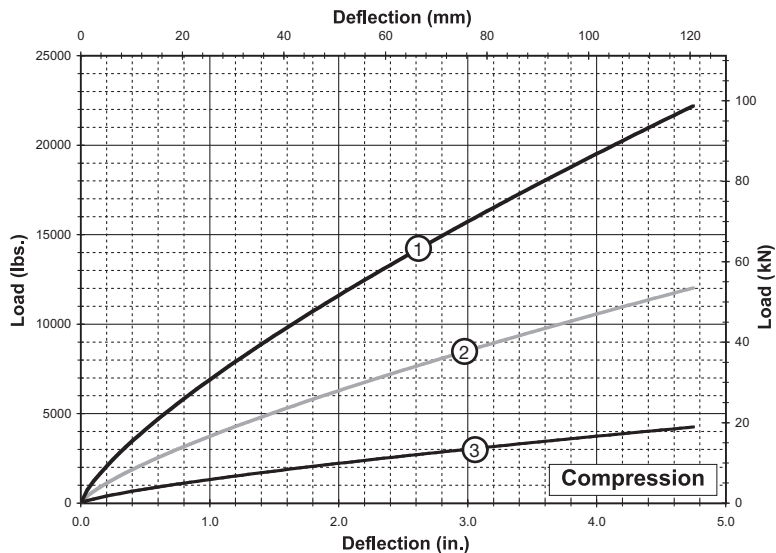


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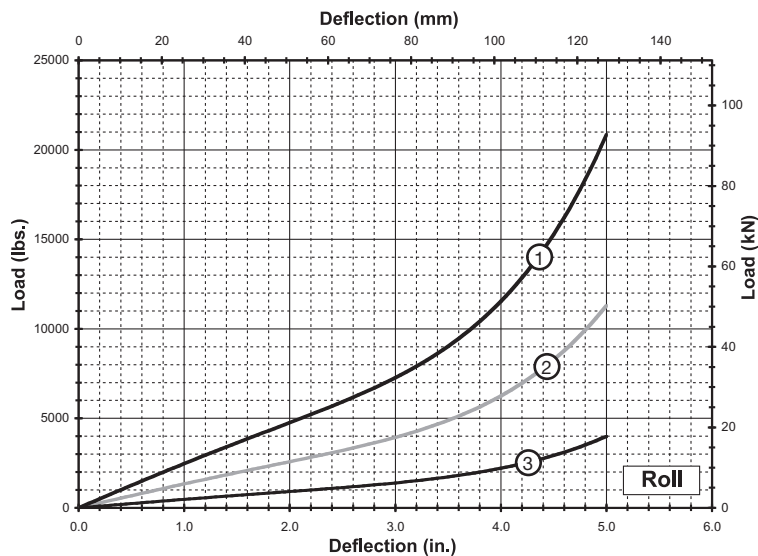
• Meets environmental requirements of MIL-M-17185A

Static Load vs. Deflection



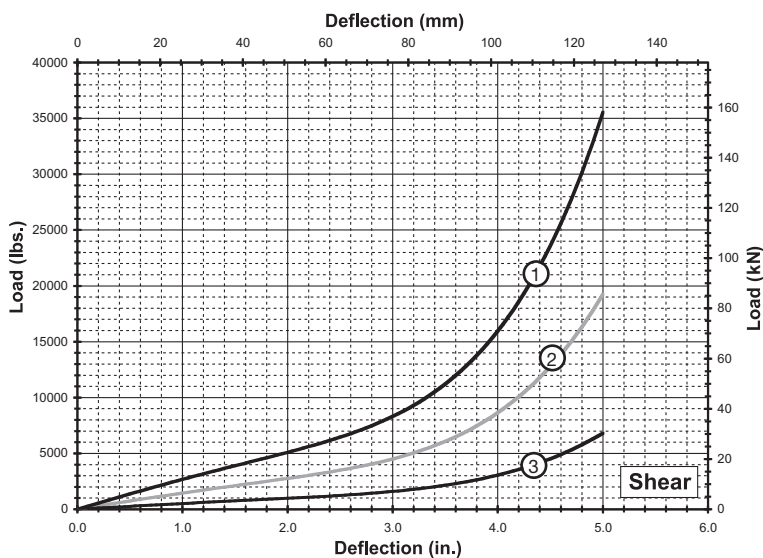
Compression

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR40-600	5,350 (23,80)	4.75 (120,7)	15,950 (2 793)	8,010 (1 403)
2	HR40-400	2,900 (12,90)	4.75 (120,7)	8,640 (1 513)	4,340 (760)
3	HR40-200	1,025 (4,56)	4.75 (120,7)	3,055 (535)	1,535 (269)



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	HR40-600	2,000 (8,90)	5.00 (127)	3,275 (574)	4,330 (758)
2	HR40-400	1,085 (4,83)	5.00 (127)	1,775 (311)	2,440 (427)
3	HR40-200	385 (1,71)	5.00 (127)	630 (110)	850 (149)



Shear

Curve	Model	Max Static Load Lbs. (kN)	Max Deflection in. (mm)	Kv (vibration) Lbs./in. (kN/m)	Ks (shock) Lbs./in. (kN/m)
1	HR40-600	2,190 (9,74)	5.00 (127)	3,585 (628)	5,780 (1 012)
2	HR40-400	1,190 (5,29)	5.00 (127)	1,945 (341)	3,145 (551)
3	HR40-200	420 (1,87)	5.00 (127)	685 (120)	1,080 (189)

Note: Do not extrapolate plotted curves.