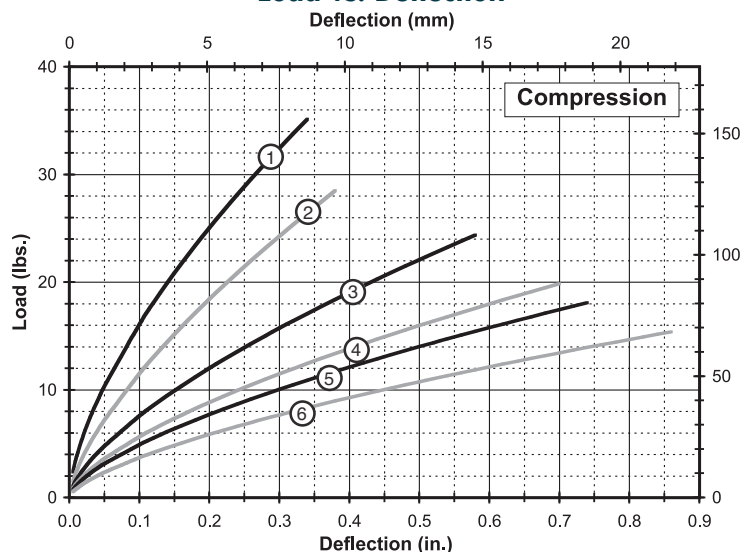
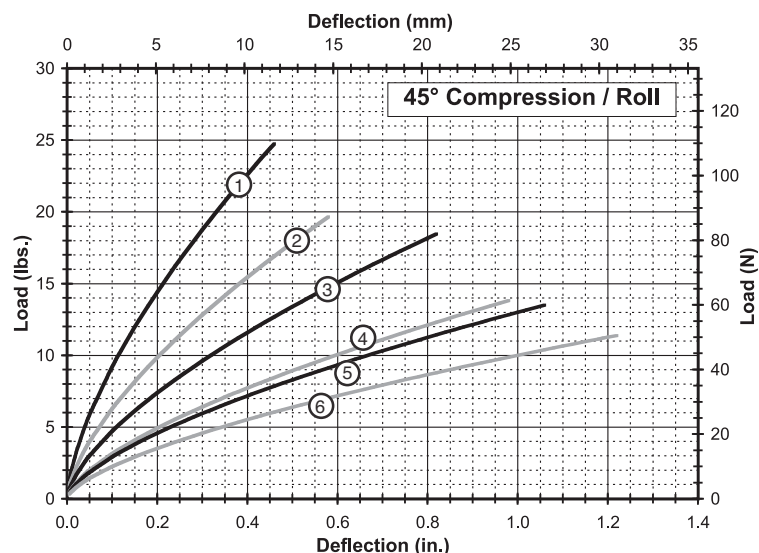


### Static Load vs. Deflection



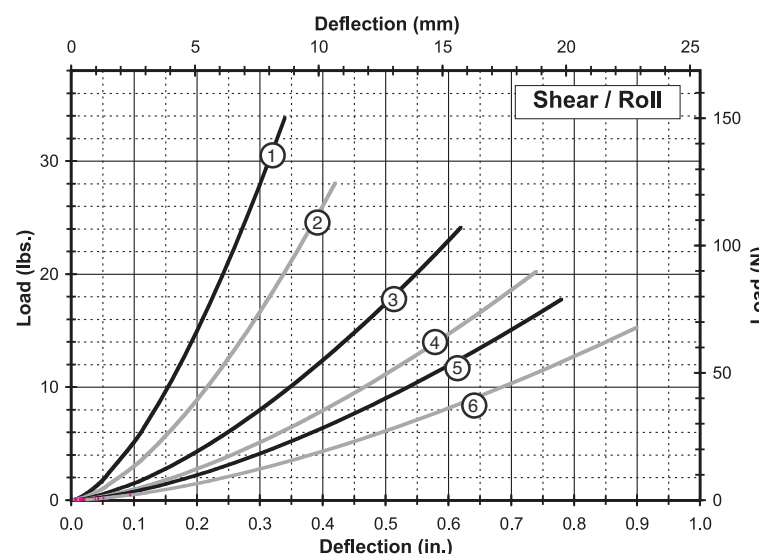
### Compression

| Curve | Model      | Max Static Load<br>lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>lbs./in. (kN/m) | Ks<br>(shock)<br>lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR2-100-10 | 10.5 (47)                   | 0.34 (8,6)                 | 205 (36)                             | 125 (22)                         |
| 2     | WR2-200-10 | 8.0 (36)                    | 0.38 (9,7)                 | 145 (25)                             | 90 (16)                          |
| 3     | WR2-400-10 | 7.0 (31)                    | 0.58 (14,7)                | 95 (17)                              | 50 (8,8)                         |
| 4     | WR2-600-10 | 6.0 (27)                    | 0.70 (17,8)                | 70 (12)                              | 35 (6,1)                         |
| 5     | WR2-700-10 | 5.0 (22)                    | 0.74 (18,8)                | 60 (11)                              | 30 (5,3)                         |
| 6     | WR2-800-10 | 4.5 (20)                    | 0.86 (21,8)                | 45 (7,9)                             | 22 (3,9)                         |



### 45° Compression/Roll

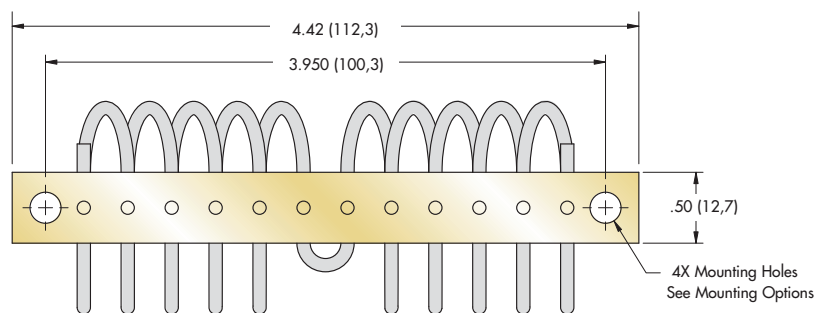
| Curve | Model      | Max Static Load<br>lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>lbs./in. (kN/m) | Ks<br>(shock)<br>lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR2-100-10 | 7.5 (33)                    | 0.46 (11,7)                | 115 (20)                             | 65 (11,4)                        |
| 2     | WR2-200-10 | 5.5 (24)                    | 0.58 (14,7)                | 80 (14)                              | 40 (7,0)                         |
| 3     | WR2-400-10 | 5.5 (24)                    | 0.82 (20,8)                | 60 (11)                              | 27 (4,7)                         |
| 4     | WR2-600-10 | 4.0 (18)                    | 0.98 (24,9)                | 40 (7,0)                             | 17 (3,0)                         |
| 5     | WR2-700-10 | 4.0 (18)                    | 1.06 (26,9)                | 35 (6,1)                             | 15 (2,6)                         |
| 6     | WR2-800-10 | 3.5 (16)                    | 1.22 (31,0)                | 30 (5,3)                             | 11 (1,9)                         |



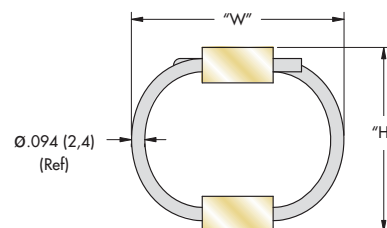
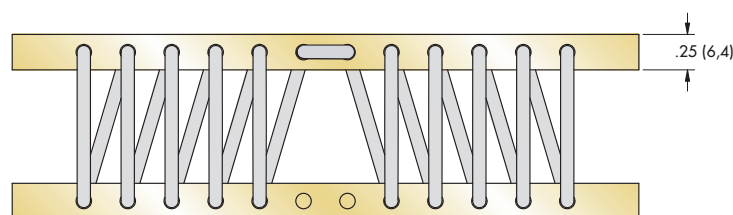
### Shear/Roll

| Curve | Model      | Max Static Load<br>lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>lbs./in. (kN/m) | Ks<br>(shock)<br>lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR2-100-10 | 5.0 (22)                    | 0.34 (8,6)                 | 80 (14)                              | 80 (14)                          |
| 2     | WR2-200-10 | 4.0 (18)                    | 0.42 (10,7)                | 50 (8,8)                             | 50 (8,8)                         |
| 3     | WR2-400-10 | 3.5 (16)                    | 0.62 (15,7)                | 30 (5,3)                             | 30 (5,3)                         |
| 4     | WR2-600-10 | 3.0 (13)                    | 0.74 (18,8)                | 22 (3,9)                             | 22 (3,9)                         |
| 5     | WR2-700-10 | 3.0 (13)                    | 0.78 (19,8)                | 18 (3,2)                             | 18 (3,2)                         |
| 6     | WR2-800-10 | 2.5 (11)                    | 0.90 (22,9)                | 13 (2,3)                             | 13 (2,3)                         |

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



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

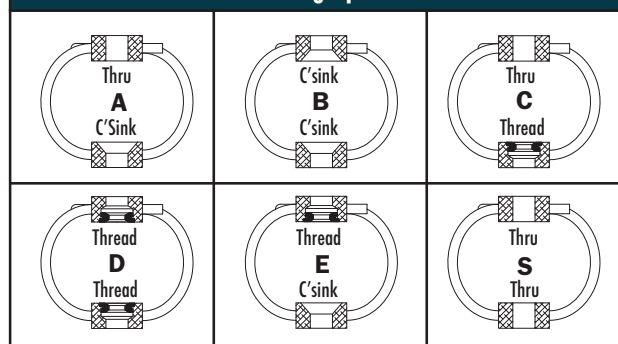


| Size    | Height<br>"H"<br>in. (mm) |                   | Width (Ref)<br>"W"<br>in. (mm) | Unit Weight<br>Lbs.<br>(Kg) | Mounting<br>Options | Thru Hole<br>in.<br>(mm)      | Thread<br>in.<br>(mm)    | C'sink<br>Imperial<br>(Metric) |
|---------|---------------------------|-------------------|--------------------------------|-----------------------------|---------------------|-------------------------------|--------------------------|--------------------------------|
| WR3-100 | 0.90 (23)                 | ± .06<br>(± 1,52) | 1.10 (28)                      | 0.14 (0,06)                 | B, D, E             | Ø.210 ± .005<br>(Ø5,3 ± 0,13) | #10-32 UNF<br>(M5 X 0,8) | 82°<br>(90°)                   |
| WR3-200 | 1.00 (25)                 |                   | 1.20 (30)                      | 0.15 (0,07)                 | A, B, C, D, E, S    |                               |                          |                                |
| WR3-400 | 1.10 (28)                 |                   | 1.30 (33)                      | 0.15 (0,07)                 |                     |                               |                          |                                |
| WR3-600 | 1.30 (33)                 |                   | 1.50 (38)                      | 0.15 (0,07)                 |                     |                               |                          |                                |
| WR3-700 | 1.40 (36)                 |                   | 1.60 (41)                      | 0.16 (0,07)                 |                     |                               |                          |                                |
| WR3-800 | 1.50 (38)                 |                   | 1.70 (43)                      | 0.18 (0,08)                 |                     |                               |                          |                                |

## Model Number Ordering Code

|                                   |                                                                                                                                                                       |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WR3 - 400 - 10 D T M P N R</b> |                                                                                                                                                                       |
| Feature Options:                  | *[ ] - None<br>[ R ] - Bellmouth Mount Bars                                                                                                                           |
| Wire Rope Options:                | *[ ] - 302/304 Stainless Steel (or Equiv.)<br>[ G ] - Galvanized Steel<br>[ N ] - Nylon Coated Stainless Steel                                                        |
| Mount Bar Options:                | *[ ] - 6061-T6 AL ALY (or Equiv.)<br>Chem Conv. Coated<br>[ Y ] - 6061-T6 AL ALY (or Equiv.)<br>Anodized<br>[ P ] - 302/304 Stainless Steel (or Equiv.)<br>Passivated |
| Add "M" for Metric                | For C'sink and Threaded Options                                                                                                                                       |
| Threaded Hole Options:            | *[ ] - Flush Self Clinching Threaded Insert<br>[ H ] - Helical Insert, Free Running<br>[ L ] - Helical Insert, Self Locking<br>[ T ] - Tapped                         |
| Mounting Options:                 | See Chart                                                                                                                                                             |
| Number of Loops:                  | 10 (Reduced Number of Loops Available)                                                                                                                                |
| Isolator Size:                    | See Sizing Table                                                                                                                                                      |

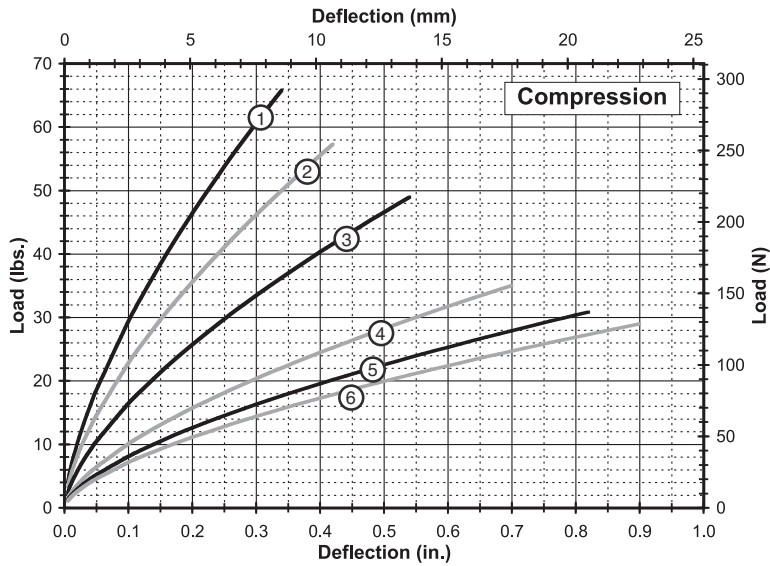
## Mounting Options



- Maximum recommended torque for standard threaded insert is 8 in.-lbs. (0,9 Nm)
- Operating Temperature Range: -150°F to 500°F ( -100°C to 260°C )
- U.S. Patent 5,549,285

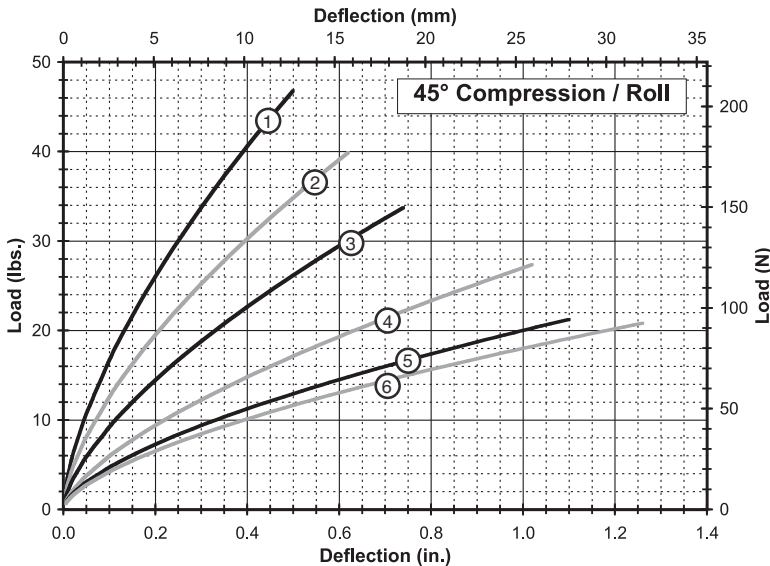
\* Standard features. Any non-standard items may require longer lead times. Call for quotation.

### Static Load vs. Deflection



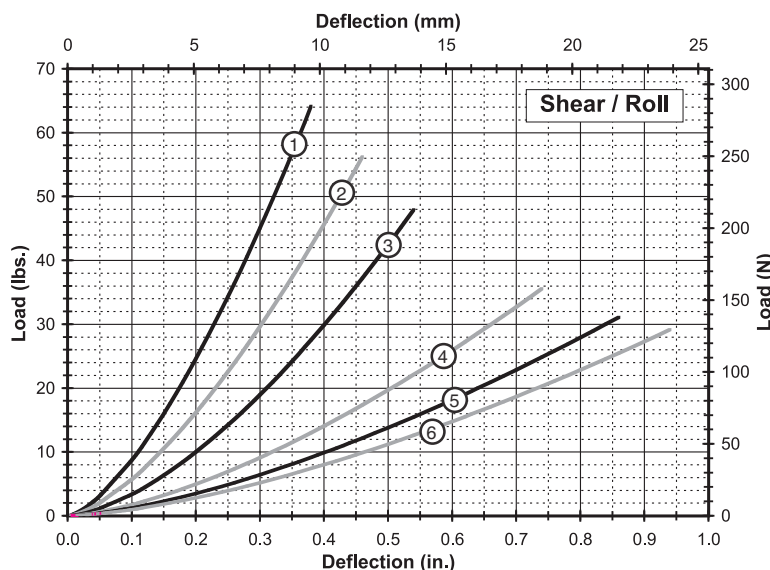
### Compression

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR3-100-10 | 19 (85)                     | 0.34 (8,6)                 | 370 (65)                             | 230 (40)                         |
| 2     | WR3-200-10 | 17 (76)                     | 0.42 (10,7)                | 290 (51)                             | 170 (30)                         |
| 3     | WR3-400-10 | 14 (62)                     | 0.54 (13,7)                | 210 (37)                             | 110 (19)                         |
| 4     | WR3-600-10 | 10 (44)                     | 0.70 (17,8)                | 130 (23)                             | 60 (11)                          |
| 5     | WR3-700-10 | 9 (40)                      | 0.82 (20,8)                | 105 (18)                             | 45 (7,9)                         |
| 6     | WR3-800-10 | 9 (40)                      | 0.90 (22,9)                | 90 (16)                              | 40 (7,0)                         |



### 45° Compression/Roll

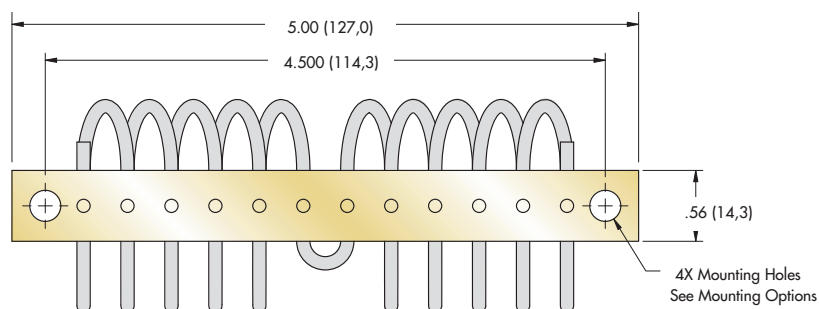
| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR3-100-10 | 14 (62)                     | 0.50 (12,7)                | 215 (38)                             | 115 (20)                         |
| 2     | WR3-200-10 | 12 (53)                     | 0.62 (15,7)                | 160 (28)                             | 80 (14)                          |
| 3     | WR3-400-10 | 10 (44)                     | 0.74 (18,8)                | 120 (21)                             | 55 (9,6)                         |
| 4     | WR3-600-10 | 8 (36)                      | 1.02 (25,9)                | 75 (13)                              | 32 (5,6)                         |
| 5     | WR3-700-10 | 7 (31)                      | 1.10 (27,9)                | 60 (11)                              | 25 (4,4)                         |
| 6     | WR3-800-10 | 6 (27)                      | 1.26 (32,0)                | 55 (9,6)                             | 20 (3,5)                         |



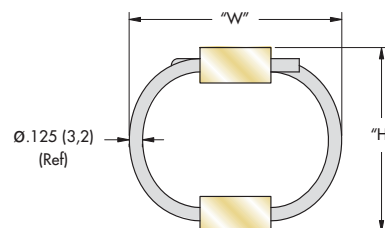
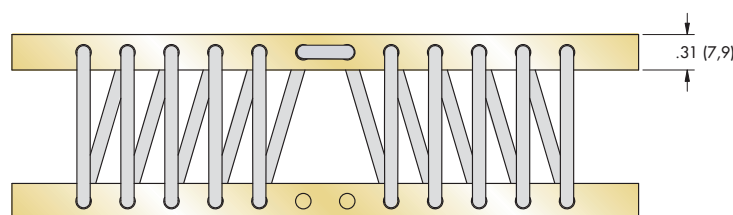
### Shear/Roll

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR3-100-10 | 10 (44)                     | 0.38 (9,7)                 | 135 (24)                             | 135 (24)                         |
| 2     | WR3-200-10 | 9 (40)                      | 0.46 (11,7)                | 100 (18)                             | 100 (18)                         |
| 3     | WR3-400-10 | 7 (31)                      | 0.54 (13,7)                | 70 (12)                              | 70 (12)                          |
| 4     | WR3-600-10 | 6 (27)                      | 0.74 (18,8)                | 40 (7,0)                             | 40 (7,0)                         |
| 5     | WR3-700-10 | 5 (22)                      | 0.86 (21,8)                | 30 (5,3)                             | 30 (5,3)                         |
| 6     | WR3-800-10 | 4 (18)                      | 0.94 (23,9)                | 25 (4,4)                             | 25 (4,4)                         |

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



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

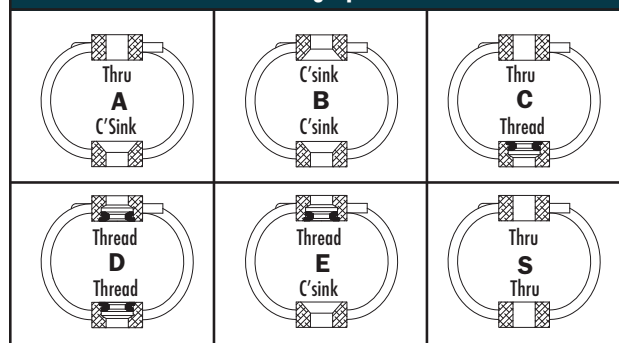


| Size    | Height<br>"H"<br>in. (mm) |                   | Width (Ref)<br>"W"<br>in. (mm) | Unit Weight<br>Lbs.<br>(Kg) | Mounting<br>Options | Thru Hole<br>in.<br>(mm)      | Thread<br>in.<br>(mm)    | C'sink<br>Imperial<br>(Metric) |
|---------|---------------------------|-------------------|--------------------------------|-----------------------------|---------------------|-------------------------------|--------------------------|--------------------------------|
| WR4-100 | 1.10 (28)                 | ± .06<br>(± 1,52) | 1.40 (36)                      | 0.26 (0,12)                 | B, D, E             | Ø.272 ± .005<br>(Ø6,9 ± 0,13) | 1/4-20 UNC<br>(M6 X 1,0) | 82°<br>(90°)                   |
| WR4-200 | 1.20 (30)                 |                   | 1.50 (38)                      | 0.26 (0,12)                 |                     |                               |                          |                                |
| WR4-400 | 1.30 (33)                 |                   | 1.60 (41)                      | 0.29 (0,13)                 | A, B, C, D, E, S    |                               |                          |                                |
| WR4-500 | 1.40 (36)                 |                   | 1.70 (43)                      | 0.29 (0,13)                 |                     |                               |                          |                                |
| WR4-600 | 1.50 (38)                 |                   | 1.80 (46)                      | 0.29 (0,13)                 |                     |                               |                          |                                |
| WR4-700 | 1.60 (41)                 |                   | 1.90 (48)                      | 0.30 (0,14)                 |                     |                               |                          |                                |
| WR4-800 | 1.70 (43)                 |                   | 2.00 (51)                      | 0.30 (0,14)                 |                     |                               |                          |                                |

## Model Number Ordering Code

|                                   |                        |                                                                                                                                                                       |
|-----------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WR4 - 400 - 10 D T M P N R</b> | Feature Options:       | *[ ] - None<br>[ R ] - Bellmouth Mount Bars                                                                                                                           |
|                                   | Wire Rope Options:     | *[ ] - 302/304 Stainless Steel (or Equiv.)<br>[ G ] - Galvanized Steel<br>[ N ] - Nylon Coated Stainless Steel                                                        |
|                                   | Mount Bar Options:     | *[ ] - 6061-T6 AL ALY (or Equiv.)<br>Chem Conv. Coated<br>[ Y ] - 6061-T6 AL ALY (or Equiv.)<br>Anodized<br>[ P ] - 302/304 Stainless Steel (or Equiv.)<br>Passivated |
|                                   | Add "M" for Metric     | For C'sink and Threaded Options                                                                                                                                       |
|                                   | Threaded Hole Options: | *[ ] - Flush Self Clinching Threaded Insert<br>[ H ] - Helical Insert, Free Running<br>[ L ] - Helical Insert, Self Locking<br>[ T ] - Tapped                         |
|                                   | Mounting Options:      | See Chart                                                                                                                                                             |
|                                   | Number of Loops:       | 10 (Reduced Number of Loops Available)                                                                                                                                |
|                                   | Isolator Size:         | See Sizing Table                                                                                                                                                      |

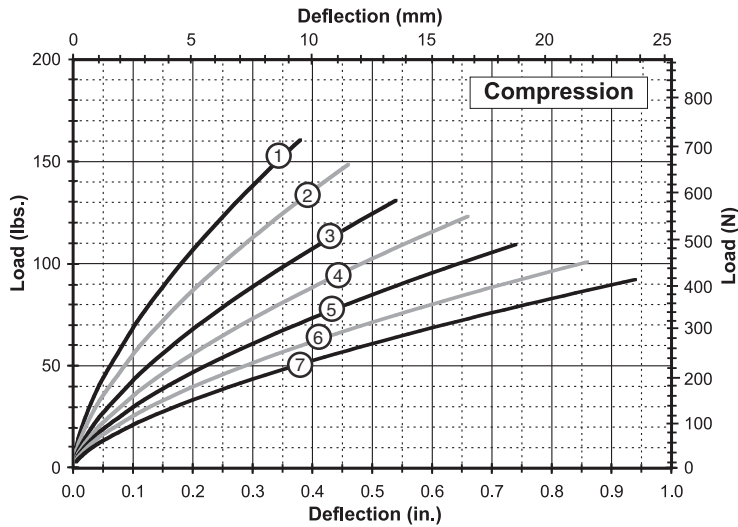
## Mounting Options



- Maximum recommended torque for standard threaded insert is 36 in.-lbs. (3,7 Nm)
- Operating Temperature Range: -150°F to 500°F ( -100°C to 260°C )
- U.S. Patent 5,549,285

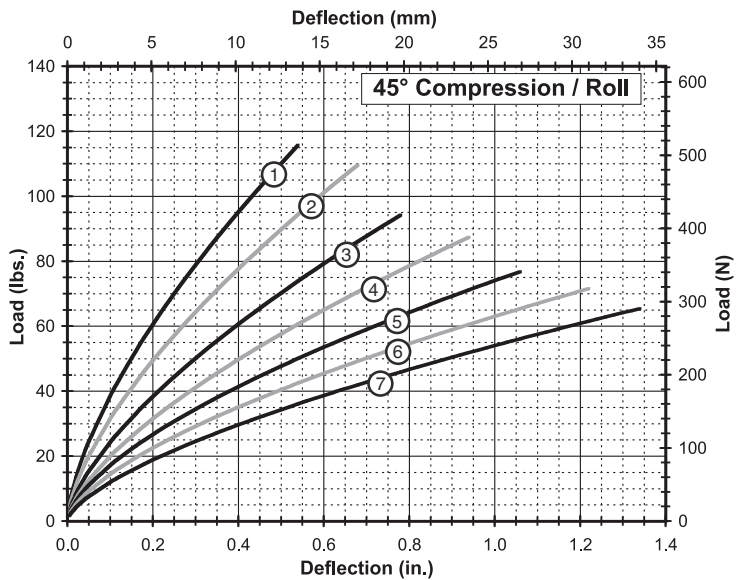
\* Standard features. Any non-standard items may require longer lead times. Call for quotation.

### Static Load vs. Deflection



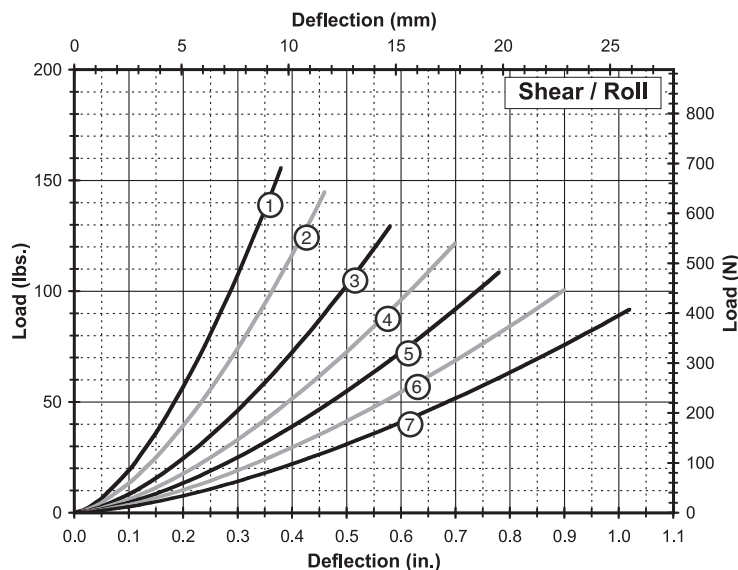
### Compression

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR4-100-10 | 48 (213)                    | 0.38 (9,7)                 | 880 (154)                            | 520 (91)                         |
| 2     | WR4-200-10 | 44 (194)                    | 0.46 (11,7)                | 710 (124)                            | 390 (68)                         |
| 3     | WR4-400-10 | 37 (166)                    | 0.54 (13,7)                | 540 (95)                             | 290 (51)                         |
| 4     | WR4-500-10 | 35 (156)                    | 0.66 (16,8)                | 445 (78)                             | 220 (39)                         |
| 5     | WR4-600-10 | 32 (142)                    | 0.74 (18,8)                | 380 (67)                             | 180 (32)                         |
| 6     | WR4-700-10 | 30 (133)                    | 0.86 (21,8)                | 325 (57)                             | 140 (25)                         |
| 7     | WR4-800-10 | 26 (117)                    | 0.94 (23,9)                | 265 (46)                             | 120 (21)                         |



### 45° Compression/Roll

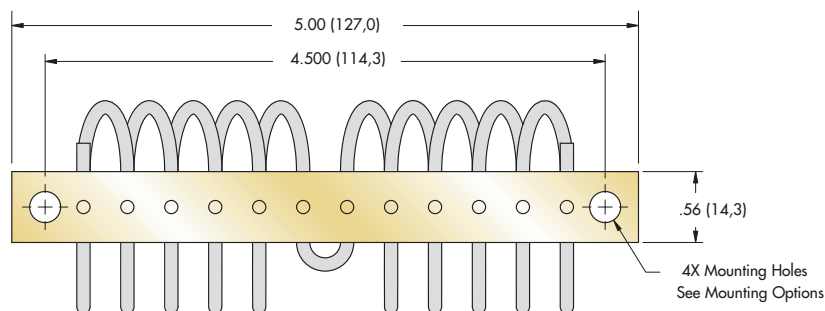
| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR4-100-10 | 33 (149)                    | 0.54 (13,7)                | 490 (86)                             | 260 (46)                         |
| 2     | WR4-200-10 | 31 (138)                    | 0.68 (17,3)                | 400 (70)                             | 200 (35)                         |
| 3     | WR4-400-10 | 27 (118)                    | 0.78 (19,8)                | 305 (53)                             | 145 (25)                         |
| 4     | WR4-500-10 | 25 (111)                    | 0.94 (23,9)                | 250 (44)                             | 115 (20)                         |
| 5     | WR4-600-10 | 23 (102)                    | 1.06 (26,9)                | 220 (39)                             | 90 (16)                          |
| 6     | WR4-700-10 | 21 (94)                     | 1.22 (31,0)                | 185 (32)                             | 70 (12)                          |
| 7     | WR4-800-10 | 19 (84)                     | 1.34 (34,0)                | 150 (26)                             | 60 (11)                          |



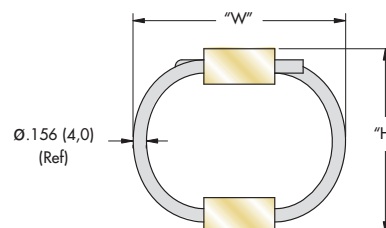
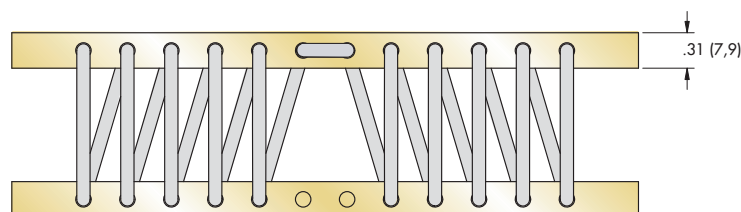
### Shear/Roll

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR4-100-10 | 25 (111)                    | 0.38 (9,7)                 | 320 (56)                             | 320 (56)                         |
| 2     | WR4-200-10 | 22 (98)                     | 0.46 (11,7)                | 245 (43)                             | 245 (43)                         |
| 3     | WR4-400-10 | 21 (93)                     | 0.58 (14,7)                | 175 (31)                             | 175 (31)                         |
| 4     | WR4-500-10 | 19 (85)                     | 0.70 (17,8)                | 140 (25)                             | 140 (25)                         |
| 5     | WR4-600-10 | 18 (80)                     | 0.78 (19,8)                | 110 (19)                             | 110 (19)                         |
| 6     | WR4-700-10 | 16 (71)                     | 0.90 (22,9)                | 90 (16)                              | 90 (16)                          |
| 7     | WR4-800-10 | 14 (62)                     | 1.02 (25,9)                | 70 (12)                              | 70 (12)                          |

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



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

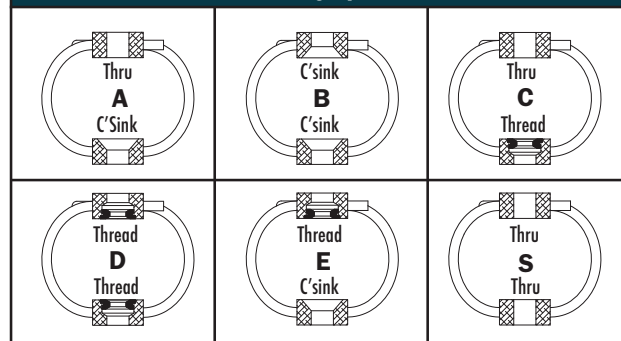


| Size    | Height<br>"H"<br>in. (mm) | Width (Ref)<br>"W"<br>in. (mm) | Unit Weight<br>Lbs.<br>(Kg) | Mounting<br>Options | Thru Hole<br>in.<br>(mm) | Thread<br>in.<br>(mm)         | C'sink<br>Imperial<br>(Metric) |              |
|---------|---------------------------|--------------------------------|-----------------------------|---------------------|--------------------------|-------------------------------|--------------------------------|--------------|
| WR5-200 | 1.20 (30)                 | ± .06<br>(± 1,52)              | 1.60 (41)                   | 0.33 (0,15)         | B, D, E                  | Ø.272 ± .005<br>(Ø6,9 ± 0,13) | 1/4-20 UNC<br>(M6 X 1,0)       | 82°<br>(90°) |
| WR5-400 | 1.30 (33)                 |                                | 1.70 (43)                   | 0.33 (0,15)         |                          |                               |                                |              |
| WR5-600 | 1.50 (38)                 |                                | 1.90 (48)                   | 0.35 (0,16)         |                          |                               |                                |              |
| WR5-800 | 1.80 (46)                 |                                | 2.10 (53)                   | 0.38 (0,17)         |                          |                               |                                |              |
| WR5-900 | 2.10 (53)                 |                                | 2.50 (64)                   | 0.39 (0,18)         |                          |                               |                                |              |
|         |                           | ± .13<br>(± 3,30)              |                             |                     | A, B, C, D, E, S         |                               |                                |              |

## Model Number Ordering Code

|                                   |                                                                                                                                                                       |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WR5 - 400 - 10 D T M P N R</b> |                                                                                                                                                                       |
| Feature Options:                  | *[ ] - None<br>[ R ] - Bellmouth Mount Bars                                                                                                                           |
| Wire Rope Options:                | *[ ] - 302/304 Stainless Steel (or Equiv.)<br>[ G ] - Galvanized Steel<br>[ N ] - Nylon Coated Stainless Steel                                                        |
| Mount Bar Options:                | *[ ] - 6061-T6 AL ALY (or Equiv.)<br>Chem Conv. Coated<br>[ Y ] - 6061-T6 AL ALY (or Equiv.)<br>Anodized<br>[ P ] - 302/304 Stainless Steel (or Equiv.)<br>Passivated |
| Add "M" for Metric                | For C'sink and Threaded Options                                                                                                                                       |
| Threaded Hole Options:            | *[ ] - Flush Self Clinching Threaded Insert<br>[ H ] - Helical Insert, Free Running<br>[ L ] - Helical Insert, Self Locking<br>[ T ] - Tapped                         |
| Mounting Options:                 | See Chart                                                                                                                                                             |
| Number of Loops:                  | 10 (Reduced Number of Loops Available)                                                                                                                                |
| Isolator Size:                    | See Sizing Table                                                                                                                                                      |

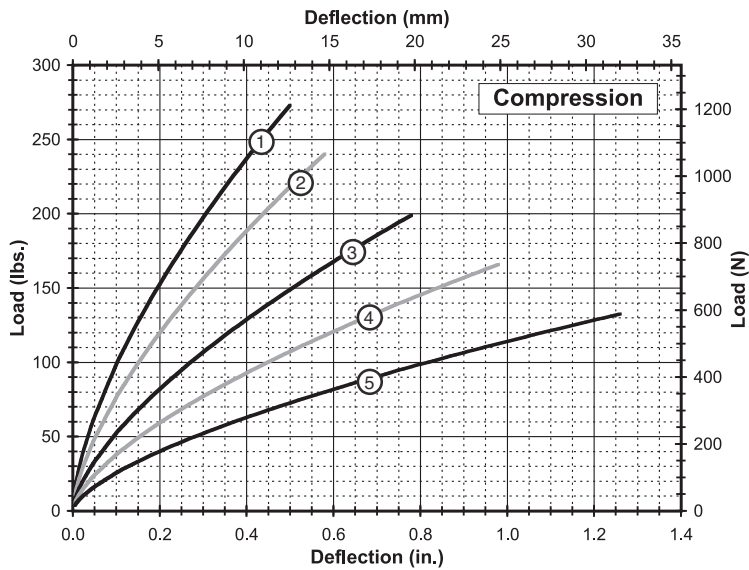
## Mounting Options



- Maximum recommended torque for standard threaded insert is 38 in.-lbs. (4,3 Nm)
- Operating Temperature Range: -150°F to 500°F ( -100°C to 260°C )
- U.S. Patent 5,549,285

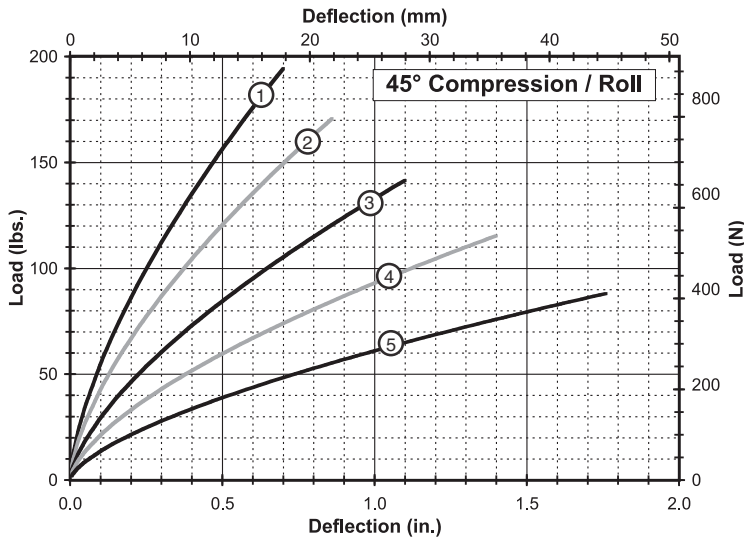
\* Standard features. Any non-standard items may require longer lead times. Call for quotation.

#### Static Load vs. Deflection



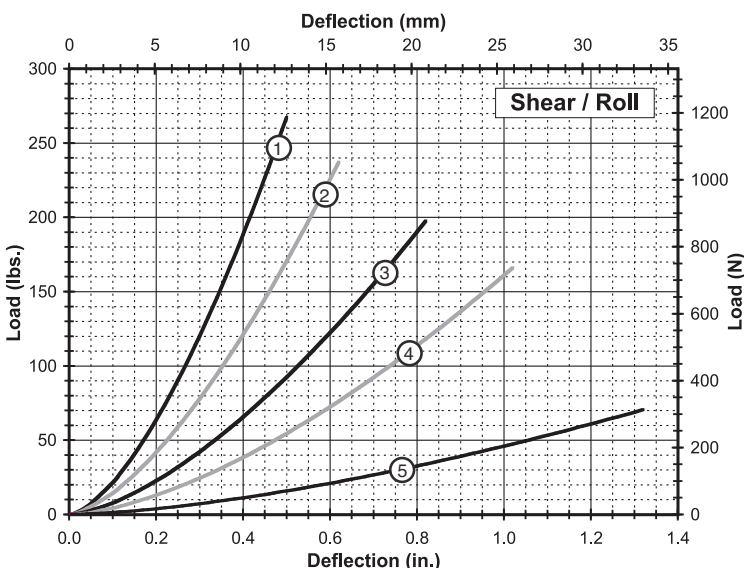
#### Compression

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR5-200-10 | 82 (364)                    | 0.50 (12,7)                | 1,270 (222)                          | 670 (117)                        |
| 2     | WR5-400-10 | 69 (309)                    | 0.58 (14,7)                | 970 (170)                            | 500 (88)                         |
| 3     | WR5-600-10 | 58 (257)                    | 0.78 (19,8)                | 660 (116)                            | 310 (54)                         |
| 4     | WR5-800-10 | 48 (216)                    | 0.98 (24,9)                | 480 (84)                             | 210 (37)                         |
| 5     | WR5-900-10 | 39 (172)                    | 1.26 (32,0)                | 330 (58)                             | 130 (23)                         |



#### 45° Compression/Roll

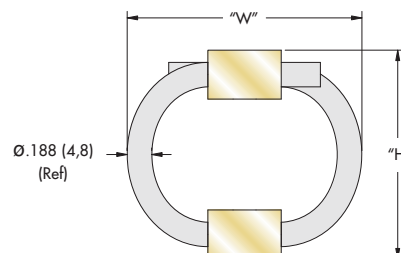
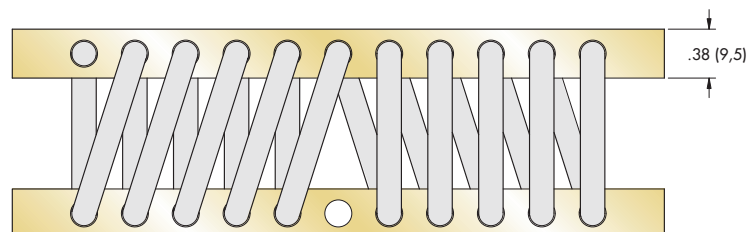
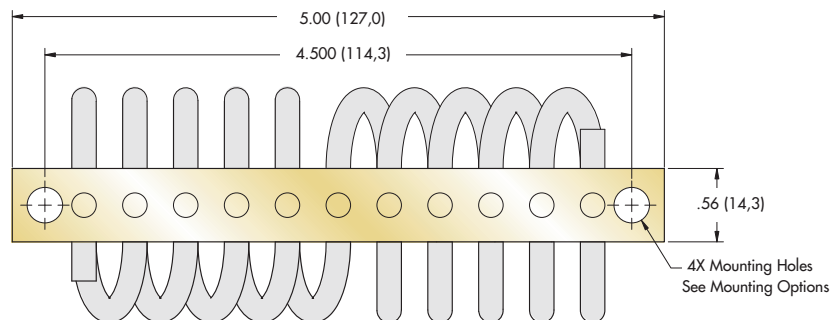
| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR5-200-10 | 57 (254)                    | 0.70 (17,8)                | 700 (123)                            | 340 (60)                         |
| 2     | WR5-400-10 | 49 (218)                    | 0.86 (21,8)                | 550 (96)                             | 240 (42)                         |
| 3     | WR5-600-10 | 41 (182)                    | 1.10 (27,9)                | 375 (66)                             | 160 (28)                         |
| 4     | WR5-800-10 | 34 (151)                    | 1.40 (35,6)                | 275 (48)                             | 100 (18)                         |
| 5     | WR5-900-10 | 26 (115)                    | 1.76 (44,7)                | 175 (31)                             | 60 (11)                          |



#### Shear/Roll

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR5-200-10 | 40 (178)                    | 0.50 (12,7)                | 415 (73)                             | 415 (73)                         |
| 2     | WR5-400-10 | 35 (156)                    | 0.62 (15,7)                | 300 (53)                             | 300 (53)                         |
| 3     | WR5-600-10 | 30 (133)                    | 0.82 (20,8)                | 190 (33)                             | 190 (33)                         |
| 4     | WR5-800-10 | 25 (111)                    | 1.02 (25,9)                | 130 (23)                             | 130 (23)                         |
| 5     | WR5-900-10 | 9 (40)                      | 1.32 (33,5)                | 45 (7,9)                             | 45 (7,9)                         |

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

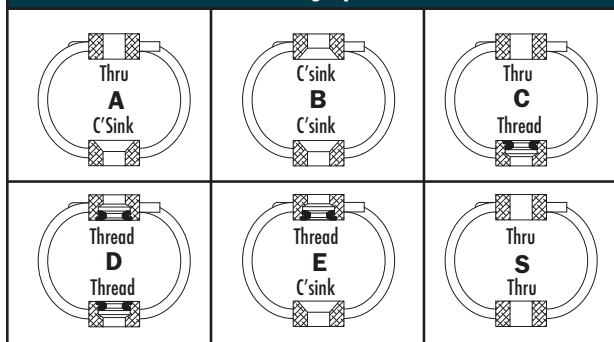


| Size    | Height<br>"H"<br>in. (mm) |                   | Width (Ref)<br>"W"<br>in. (mm) | Unit Weight<br>Lbs.<br>(Kg) | Mounting<br>Options | Thru Hole<br>in.<br>(mm)      | Thread<br>in.<br>(mm)    | C'sink<br>Imperial<br>(Metric) |
|---------|---------------------------|-------------------|--------------------------------|-----------------------------|---------------------|-------------------------------|--------------------------|--------------------------------|
| WR6-200 | 1.20 (30)                 | ± .06<br>(± 1,52) | 1.40 (36)                      | 0.42 (0,19)                 | D                   | Ø.272 ± .005<br>(Ø6,9 ± 0,13) | 1/4-20 UNC<br>(M6 X 1,0) | 82°<br>(90°)                   |
| WR6-300 | 1.30 (33)                 |                   | 1.50 (38)                      | 0.43 (0,20)                 | B, D, E             |                               |                          |                                |
| WR6-400 | 1.40 (36)                 |                   | 1.60 (41)                      | 0.46 (0,21)                 |                     |                               |                          |                                |
| WR6-500 | 1.50 (38)                 |                   | 1.70 (43)                      | 0.47 (0,21)                 | A, B, C, D, E, S    |                               |                          |                                |
| WR6-600 | 1.60 (41)                 |                   | 1.80 (46)                      | 0.49 (0,22)                 |                     |                               |                          |                                |
| WR6-700 | 1.70 (43)                 |                   | 1.90 (48)                      | 0.54 (0,25)                 |                     |                               |                          |                                |
| WR6-800 | 2.00 (51)                 | 2.30 (58)         | 0.57 (0,26)                    |                             |                     |                               |                          |                                |
| WR6-850 | 2.13 (54)                 | 2.94 (75)         | 0.59 (0,27)                    |                             |                     |                               |                          |                                |
| WR6-900 | 2.45 (62)                 | 3.45 (88)         | 0.61 (0,28)                    |                             |                     |                               |                          |                                |
| WR6-950 | 3.20 (81)                 | ± .13<br>(± 3,30) | 4.20 (107)                     | 0.63 (0,29)                 |                     |                               |                          |                                |

#### Model Number Ordering Code

|                                   |                                                                                                                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WR6 - 400 - 10 D T M P N R</b> |                                                                                                                                                                        |
| Feature Options:                  | * [ ] - None<br>[ R ] - Bellmouth Mount Bars                                                                                                                           |
| Wire Rope Options:                | * [ ] - 302/304 Stainless Steel (or Equiv.)<br>[ G ] - Galvanized Steel<br>[ N ] - Nylon Coated Stainless Steel                                                        |
| Mount Bar Options:                | * [ ] - 6061-T6 AL ALY (or Equiv.)<br>Chem Conv. Coated<br>[ Y ] - 6061-T6 AL ALY (or Equiv.)<br>Anodized<br>[ P ] - 302/304 Stainless Steel (or Equiv.)<br>Passivated |
| Add "M" for Metric                | For C'sink and Threaded Options                                                                                                                                        |
| Threaded Hole Options:            | * [ ] - Flush Self Clinging Threaded Insert<br>[ H ] - Helical Insert, Free Running<br>[ L ] - Helical Insert, Self Locking<br>[ T ] - Tapped                          |
| Mounting Options:                 | See Chart                                                                                                                                                              |
| Number of Loops:                  | 10 (Reduced Number of Loops Available)                                                                                                                                 |
| Isolator Size:                    | See Sizing Table                                                                                                                                                       |

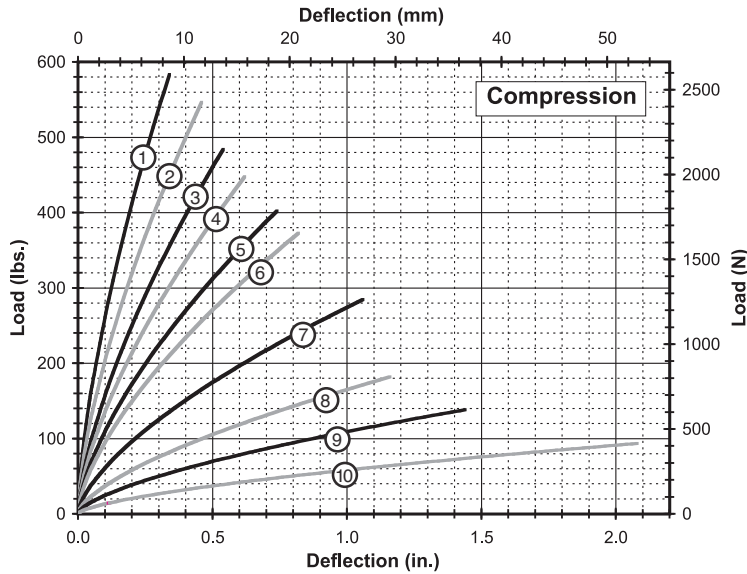
#### Mounting Options



- Maximum recommended torque for standard threaded insert is 38 in.-lbs. (4,3 Nm)
- Operating Temperature Range: -150°F to 500°F ( -100°C to 260°C )
- U.S. Patent 5,549,285

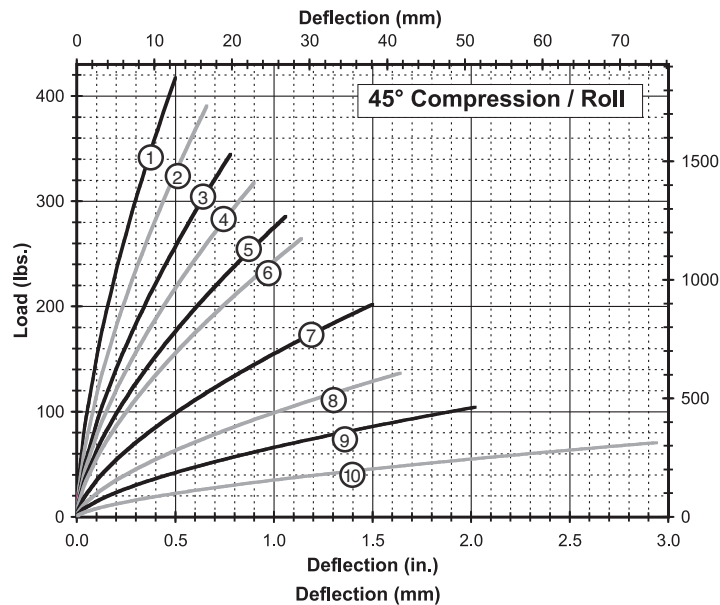
\* Standard features. Any non-standard items may require longer lead times. Call for quotation.

### Static Load vs. Deflection



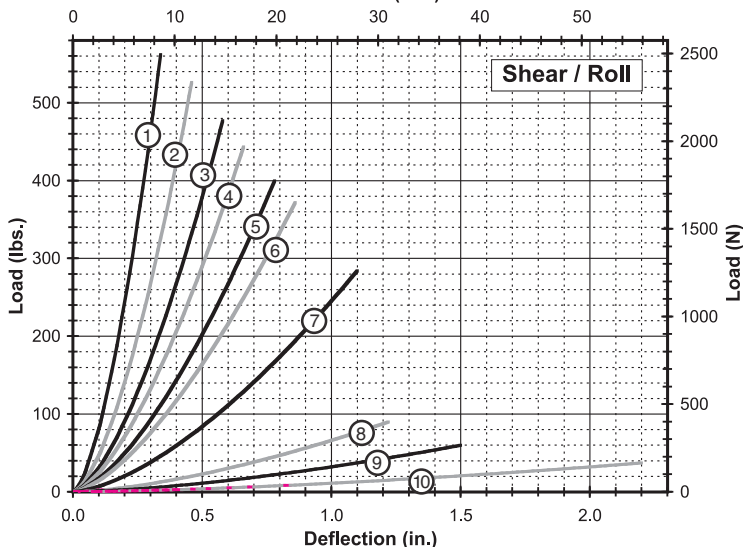
### Compression

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR6-200-10 | 165 (734)                   | 0.34 (8,6)                 | 3,300 (578)                          | 2,070 (363)                      |
| 2     | WR6-300-10 | 160 (712)                   | 0.46 (11,7)                | 2,600 (455)                          | 1,440 (252)                      |
| 3     | WR6-400-10 | 135 (601)                   | 0.54 (13,7)                | 1,980 (347)                          | 1,080 (189)                      |
| 4     | WR6-500-10 | 130 (578)                   | 0.62 (15,7)                | 1,720 (301)                          | 870 (152)                        |
| 5     | WR6-600-10 | 115 (512)                   | 0.74 (18,8)                | 1,395 (244)                          | 670 (117)                        |
| 6     | WR6-700-10 | 110 (489)                   | 0.82 (20,8)                | 1,210 (212)                          | 550 (96)                         |
| 7     | WR6-800-10 | 82 (365)                    | 1.06 (26,9)                | 775 (136)                            | 330 (58)                         |
| 8     | WR6-850-10 | 53 (236)                    | 1.16 (29,5)                | 470 (82)                             | 190 (33)                         |
| 9     | WR6-900-10 | 40 (178)                    | 1.44 (36,6)                | 310 (54)                             | 120 (21)                         |
| 10    | WR6-950-10 | 27 (120)                    | 2.08 (52,8)                | 165 (29)                             | 55 (10)                          |



### 45° Compression/Roll

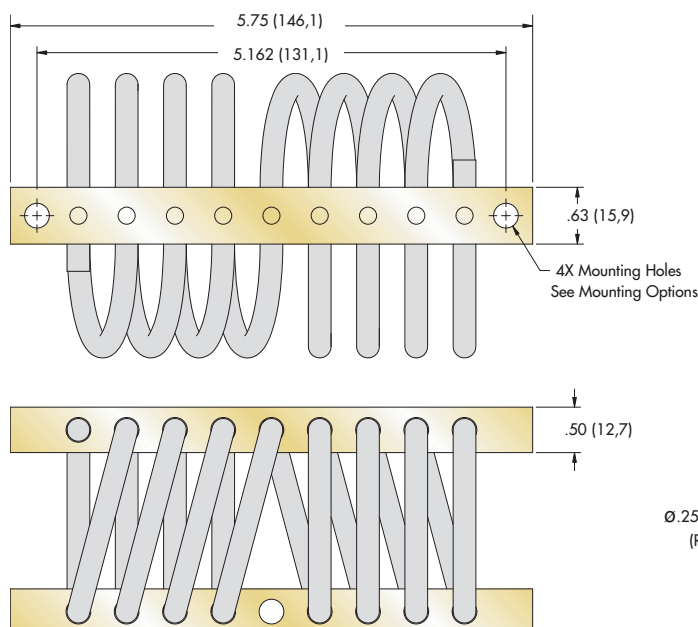
| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR6-200-10 | 120 (534)                   | 0.50 (12,7)                | 1,945 (341)                          | 1,020 (179)                      |
| 2     | WR6-300-10 | 115 (512)                   | 0.66 (16,8)                | 1,475 (258)                          | 720 (126)                        |
| 3     | WR6-400-10 | 97 (432)                    | 0.78 (19,8)                | 1,125 (197)                          | 530 (93)                         |
| 4     | WR6-500-10 | 92 (409)                    | 0.90 (22,9)                | 985 (172)                            | 430 (75)                         |
| 5     | WR6-600-10 | 84 (373)                    | 1.06 (26,9)                | 805 (141)                            | 330 (58)                         |
| 6     | WR6-700-10 | 79 (350)                    | 1.14 (29,0)                | 705 (123)                            | 280 (49)                         |
| 7     | WR6-800-10 | 58 (260)                    | 1.50 (38,1)                | 440 (77)                             | 160 (28)                         |
| 8     | WR6-850-10 | 40 (177)                    | 1.64 (41,7)                | 280 (49)                             | 100 (18)                         |
| 9     | WR6-900-10 | 31 (136)                    | 2.02 (51,3)                | 190 (33)                             | 65 (11)                          |
| 10    | WR6-950-10 | 21 (91)                     | 2.94 (74,7)                | 100 (18)                             | 30 (5,3)                         |



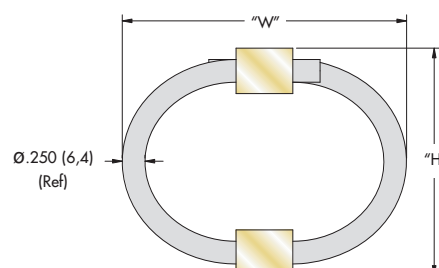
### Shear/Roll

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR6-200-10 | 80 (356)                    | 0.34 (8,6)                 | 1,280 (224)                          | 1,280 (224)                      |
| 2     | WR6-300-10 | 80 (356)                    | 0.46 (11,7)                | 890 (156)                            | 890 (156)                        |
| 3     | WR6-400-10 | 75 (334)                    | 0.58 (14,7)                | 640 (112)                            | 640 (112)                        |
| 4     | WR6-500-10 | 70 (311)                    | 0.66 (16,8)                | 530 (93)                             | 530 (93)                         |
| 5     | WR6-600-10 | 65 (289)                    | 0.78 (19,8)                | 400 (70)                             | 400 (70)                         |
| 6     | WR6-700-10 | 60 (267)                    | 0.86 (21,8)                | 340 (60)                             | 340 (60)                         |
| 7     | WR6-800-10 | 45 (200)                    | 1.10 (27,9)                | 200 (35)                             | 200 (35)                         |
| 8     | WR6-850-10 | 13 (58)                     | 1.22 (31,0)                | 60 (11)                              | 60 (11)                          |
| 9     | WR6-900-10 | 9 (40)                      | 1.50 (38,1)                | 30 (5,3)                             | 30 (5,3)                         |
| 10    | WR6-950-10 | 5 (22)                      | 2.20 (55,9)                | 13 (2,3)                             | 13 (2,3)                         |

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



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

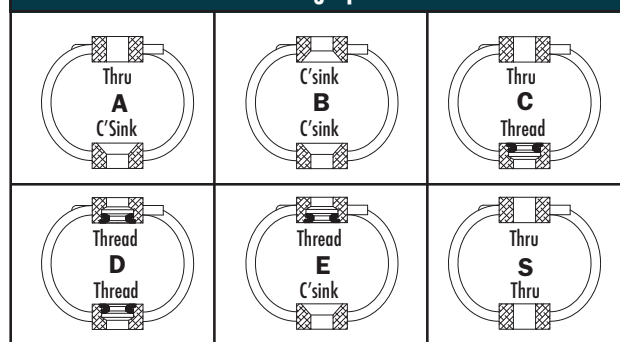


| Size    | Height<br>"H"<br>in. (mm) | Width (Ref)<br>"W"<br>in. (mm) | Unit Weight<br>Lbs.<br>(Kg) | Mounting<br>Options | Thru Hole<br>in.<br>(mm)                                     | Thread<br>in.<br>(mm)    | C'sink<br>Imperial<br>(Metric) |
|---------|---------------------------|--------------------------------|-----------------------------|---------------------|--------------------------------------------------------------|--------------------------|--------------------------------|
| WR8-200 | 1.90 (48)                 | $\pm .10$<br>( $\pm 2,54$ )    | 2.20 (56)                   | A, B, C, D, E, S    | $\varnothing.272 \pm .005$<br>( $\varnothing 6,9 \pm 0,13$ ) | 1/4-28 UNF<br>(M6 X 1,0) | 82°<br>(90°)                   |
| WR8-400 | 2.13 (54)                 |                                | 2.50 (64)                   |                     |                                                              |                          |                                |
| WR8-500 | 2.31 (59)                 |                                | 2.80 (71)                   |                     |                                                              |                          |                                |
| WR8-600 | 2.50 (64)                 |                                | 3.13 (80)                   |                     |                                                              |                          |                                |
| WR8-700 | 2.50 (64)                 | $\pm .15$<br>( $\pm 3,81$ )    | 3.50 (89)                   |                     |                                                              |                          |                                |
| WR8-800 | 2.63 (67)                 |                                | 3.75 (95)                   |                     |                                                              |                          |                                |
| WR8-850 | 2.63 (67)                 |                                | 3.95 (100)                  |                     |                                                              |                          |                                |
| WR8-900 | 3.25 (83)                 |                                | 4.25 (108)                  |                     |                                                              |                          |                                |

## Model Number Ordering Code

|                                  |                        |                                                                                                                                                                       |
|----------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WR8 - 400 - 8 D T M P N R</b> | Feature Options:       | *[ ] - None<br>[ R ] - Bellmouth Mount Bars                                                                                                                           |
|                                  | Wire Rope Options:     | *[ ] - 302/304 Stainless Steel (or Equiv.)<br>[ G ] - Galvanized Steel<br>[ N ] - Nylon Coated Stainless Steel                                                        |
|                                  | Mount Bar Options:     | *[ ] - 6061-T6 AL ALY (or Equiv.)<br>Chem Conv. Coated<br>[ Y ] - 6061-T6 AL ALY (or Equiv.)<br>Anodized<br>[ P ] - 302/304 Stainless Steel (or Equiv.)<br>Passivated |
|                                  | Add "M" for Metric     | For C'sink and Threaded Options                                                                                                                                       |
|                                  | Threaded Hole Options: | *[ ] - Flush Self Clinching Threaded Insert<br>[ H ] - Helical Insert, Free Running<br>[ L ] - Helical Insert, Self Locking<br>[ T ] - Tapped                         |
|                                  | Mounting Options:      | See Chart                                                                                                                                                             |
|                                  | Number of Loops:       | 08 (Reduced Number of Loops Available)                                                                                                                                |
|                                  | Isolator Size:         | See Sizing Table                                                                                                                                                      |

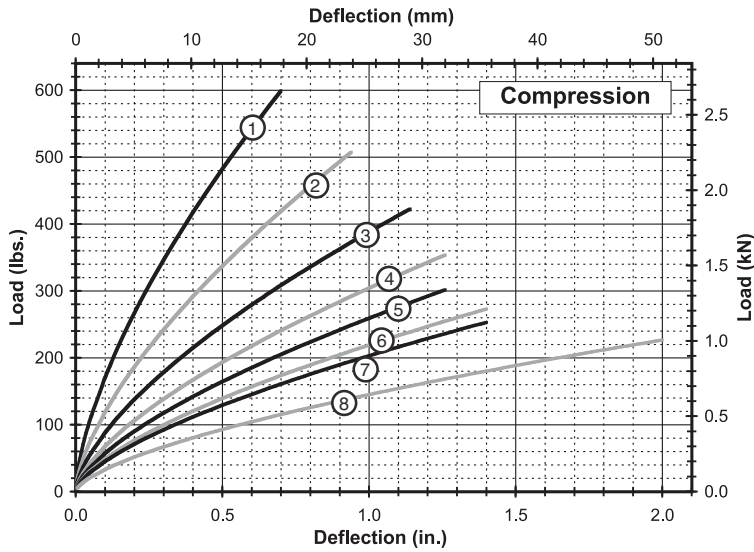
## Mounting Options



- Maximum recommended torque for standard threaded insert is 38 in.-lbs. (4,3 Nm)
- Operating Temperature Range: -150°F to 500°F ( -100°C to 260°C )
- U.S. Patent 5,549,285

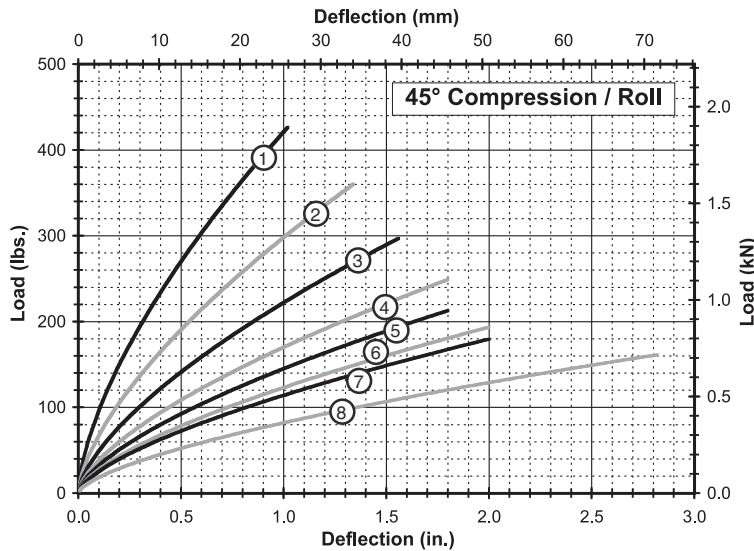
\* Standard features. Any non-standard items may require longer lead times. Call for quotation.

### Static Load vs. Deflection



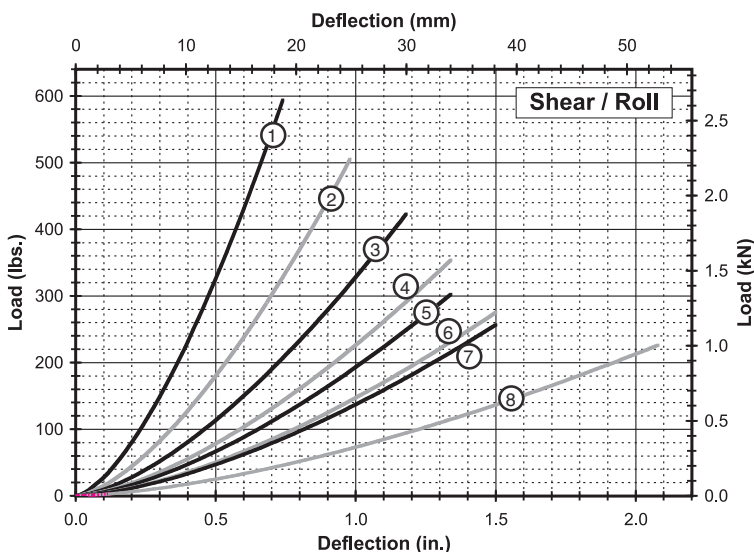
### Compression

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR8-200-08 | 175 (778)                   | 0.70 (17,8)                | 2,180 (382)                          | 1,040 (182)                      |
| 2     | WR8-400-08 | 150 (667)                   | 0.94 (23,9)                | 1,520 (266)                          | 660 (116)                        |
| 3     | WR8-500-08 | 125 (556)                   | 1.14 (29,0)                | 1,120 (196)                          | 450 (79)                         |
| 4     | WR8-600-08 | 100 (445)                   | 1.26 (32,0)                | 860 (151)                            | 340 (60)                         |
| 5     | WR8-700-08 | 87 (386)                    | 1.26 (32,0)                | 725 (127)                            | 290 (51)                         |
| 6     | WR8-800-08 | 79 (351)                    | 1.40 (35,6)                | 620 (109)                            | 240 (42)                         |
| 7     | WR8-850-08 | 73 (325)                    | 1.40 (35,6)                | 570 (100)                            | 220 (39)                         |
| 8     | WR8-900-08 | 67 (297)                    | 2.00 (50,8)                | 420 (74)                             | 140 (25)                         |



### 45° Compression/Roll

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR8-200-08 | 125 (556)                   | 1.02 (25,9)                | 1,230 (215)                          | 510 (89)                         |
| 2     | WR8-400-08 | 105 (467)                   | 1.34 (34,0)                | 860 (151)                            | 330 (58)                         |
| 3     | WR8-500-08 | 88 (390)                    | 1.56 (39,6)                | 625 (109)                            | 230 (40)                         |
| 4     | WR8-600-08 | 72 (321)                    | 1.80 (45,7)                | 490 (86)                             | 170 (30)                         |
| 5     | WR8-700-08 | 61 (273)                    | 1.80 (45,7)                | 410 (72)                             | 140 (25)                         |
| 6     | WR8-800-08 | 56 (248)                    | 2.00 (50,8)                | 350 (61)                             | 120 (21)                         |
| 7     | WR8-850-08 | 51 (229)                    | 2.00 (50,8)                | 320 (56)                             | 110 (19)                         |
| 8     | WR8-900-08 | 47 (209)                    | 2.82 (71,6)                | 235 (41)                             | 70 (12)                          |



### Shear/Roll

| Curve | Model      | Max Static Load<br>Lbs. (N) | Max Deflection<br>in. (mm) | Kv<br>(vibration)<br>Lbs./in. (kN/m) | Ks<br>(shock)<br>Lbs./in. (kN/m) |
|-------|------------|-----------------------------|----------------------------|--------------------------------------|----------------------------------|
| 1     | WR8-200-08 | 95 (423)                    | 0.74 (18,8)                | 630 (110)                            | 630 (110)                        |
| 2     | WR8-400-08 | 80 (356)                    | 0.98 (24,9)                | 410 (72)                             | 410 (72)                         |
| 3     | WR8-500-08 | 70 (311)                    | 1.18 (30,0)                | 280 (49)                             | 280 (49)                         |
| 4     | WR8-600-08 | 55 (245)                    | 1.34 (34,0)                | 210 (37)                             | 210 (37)                         |
| 5     | WR8-700-08 | 50 (222)                    | 1.34 (34,0)                | 180 (32)                             | 180 (32)                         |
| 6     | WR8-800-08 | 45 (200)                    | 1.50 (38,1)                | 140 (25)                             | 140 (25)                         |
| 7     | WR8-850-08 | 40 (178)                    | 1.50 (38,1)                | 130 (23)                             | 130 (23)                         |
| 8     | WR8-900-08 | 35 (156)                    | 2.08 (52,8)                | 90 (16)                              | 90 (16)                          |

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