

WR2

Helical Isolator

1.59 mm (1/16") Diameter Cable

Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

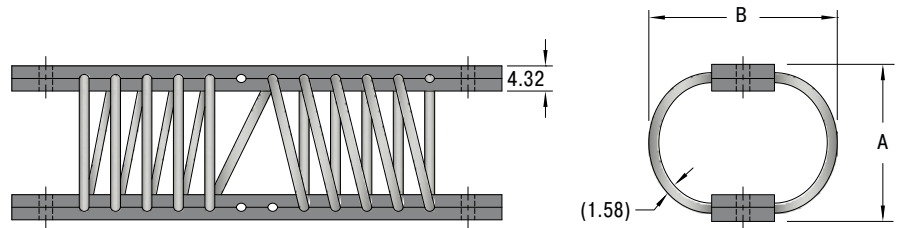
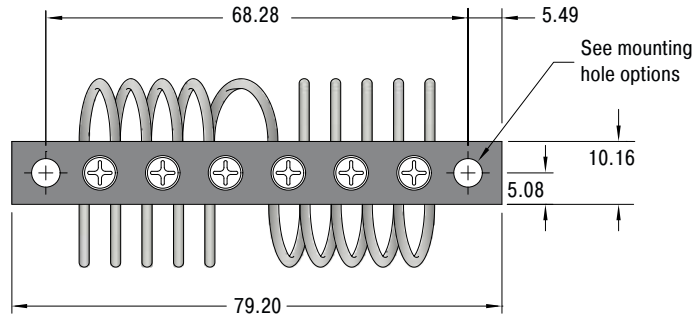
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-12
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.03 kg to Isolator weight for all stainless steel versions

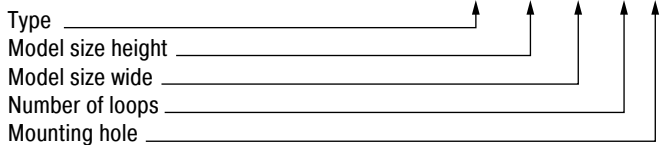
On request

- Special materials, size, mounting holes, finish, etc. available



TYPES	A (+/- 0.8)		B	Compression			Shear/Roll (Average)			Weight kg
	mm	mm		Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR2-018-025-10	17.8	25.4	25.4	17	14	7.6	5.6	10	7.6	0.020
WR2-020-028-10	20.3	27.9	27.9	15	12	10.2	4.9	8.8	10.2	0.023
WR2-025-031-10	25.4	30.5	30.5	8.1	6.5	15.2	1.9	4.7	15.2	0.026
WR2-028-033-10	27.9	33.0	33.0	5.3	4.0	17.8	1.4	4.2	17.8	0.028
WR2-031-036-10	30.5	35.6	35.6	4.2	3.2	18.3	1.1	3.5	18.3	0.031
WR2-033-038-10	33.0	38.1	38.1	3.5	2.5	22.9	0.7	3.2	22.9	0.034

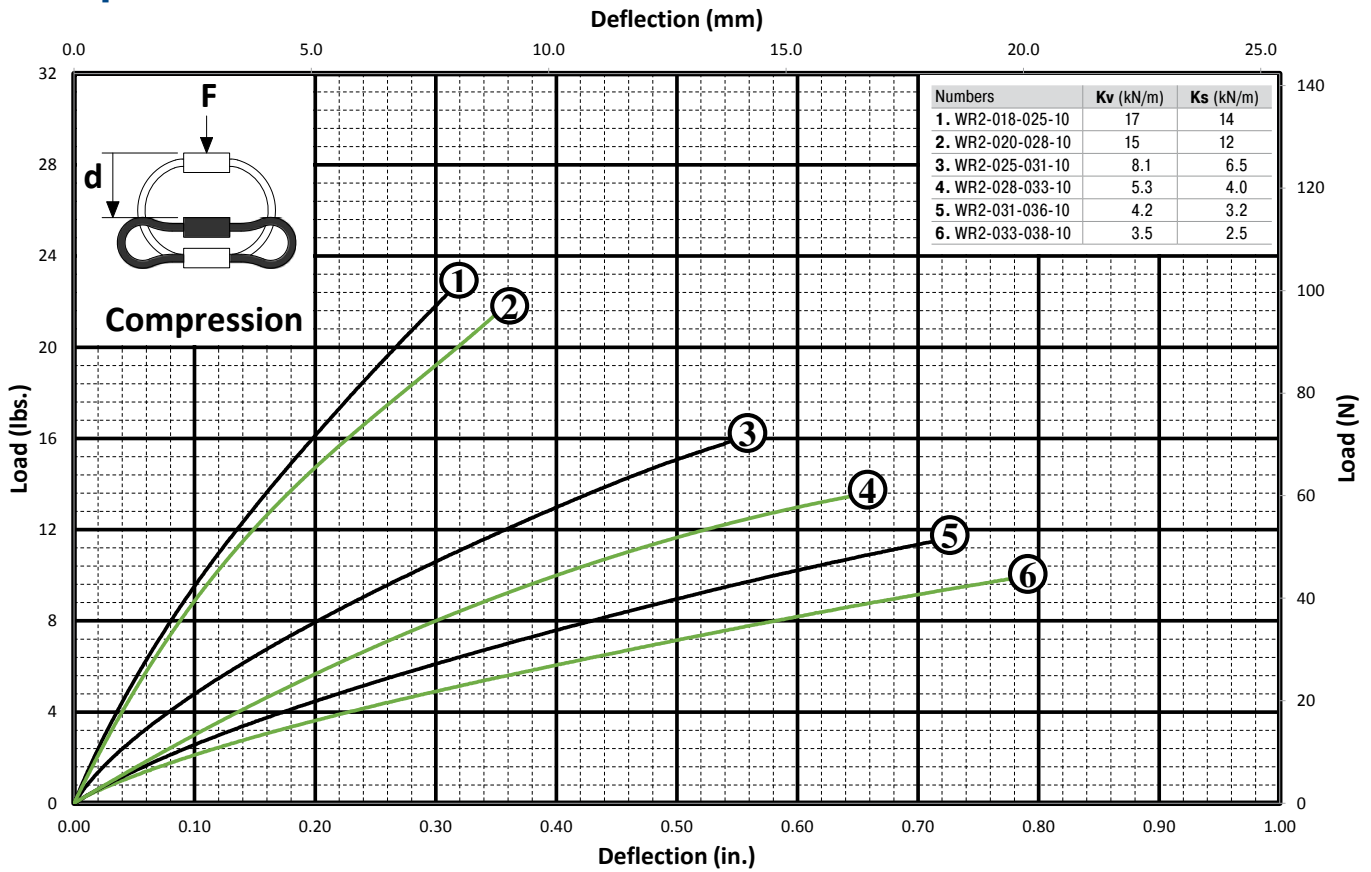
Ordering Example



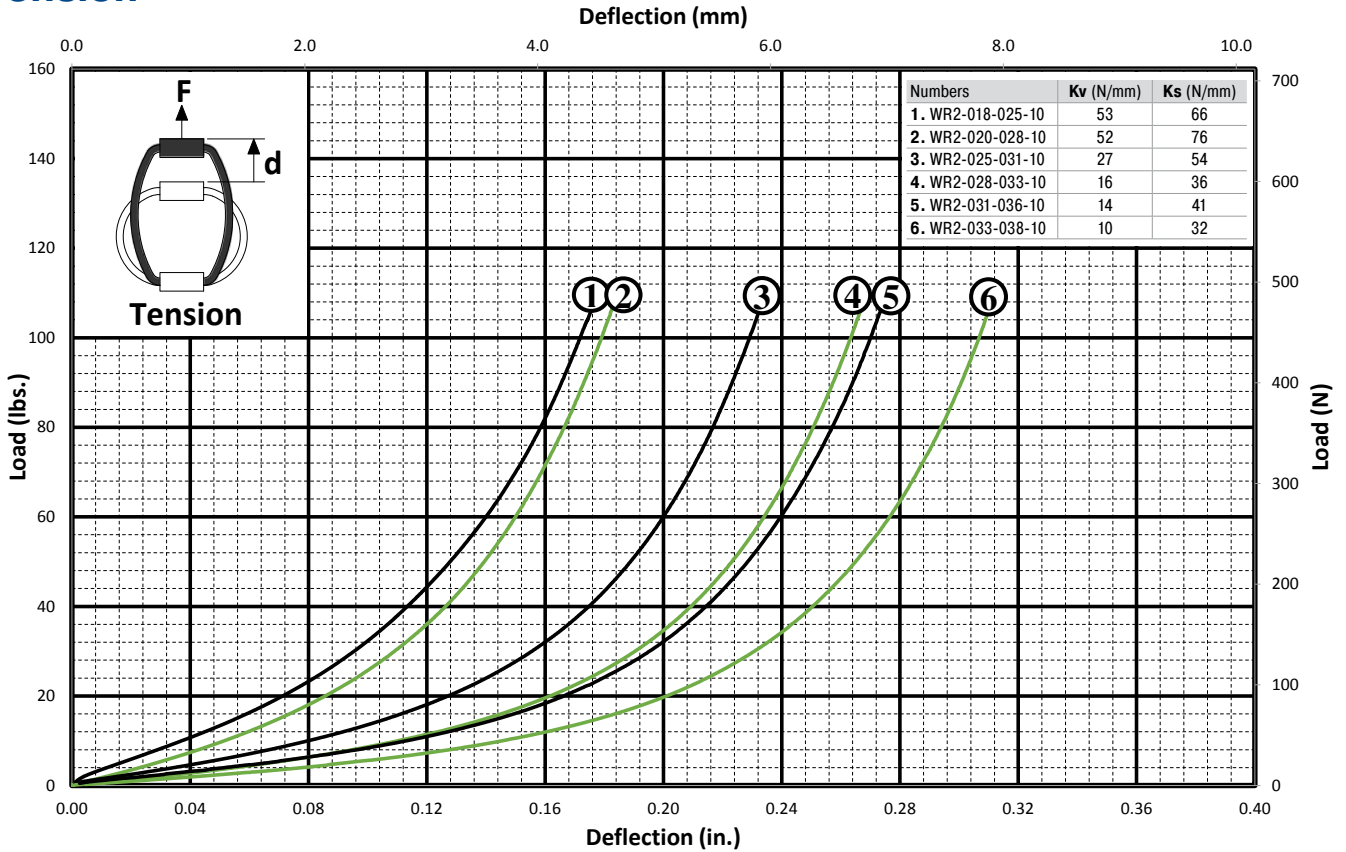
Mounting Hole Options	
<p>A</p>	<p>D</p>
<p>B</p>	<p>E</p>
<p>C</p>	<p>F</p>

Issue 07.2020 – Specifications subject to change

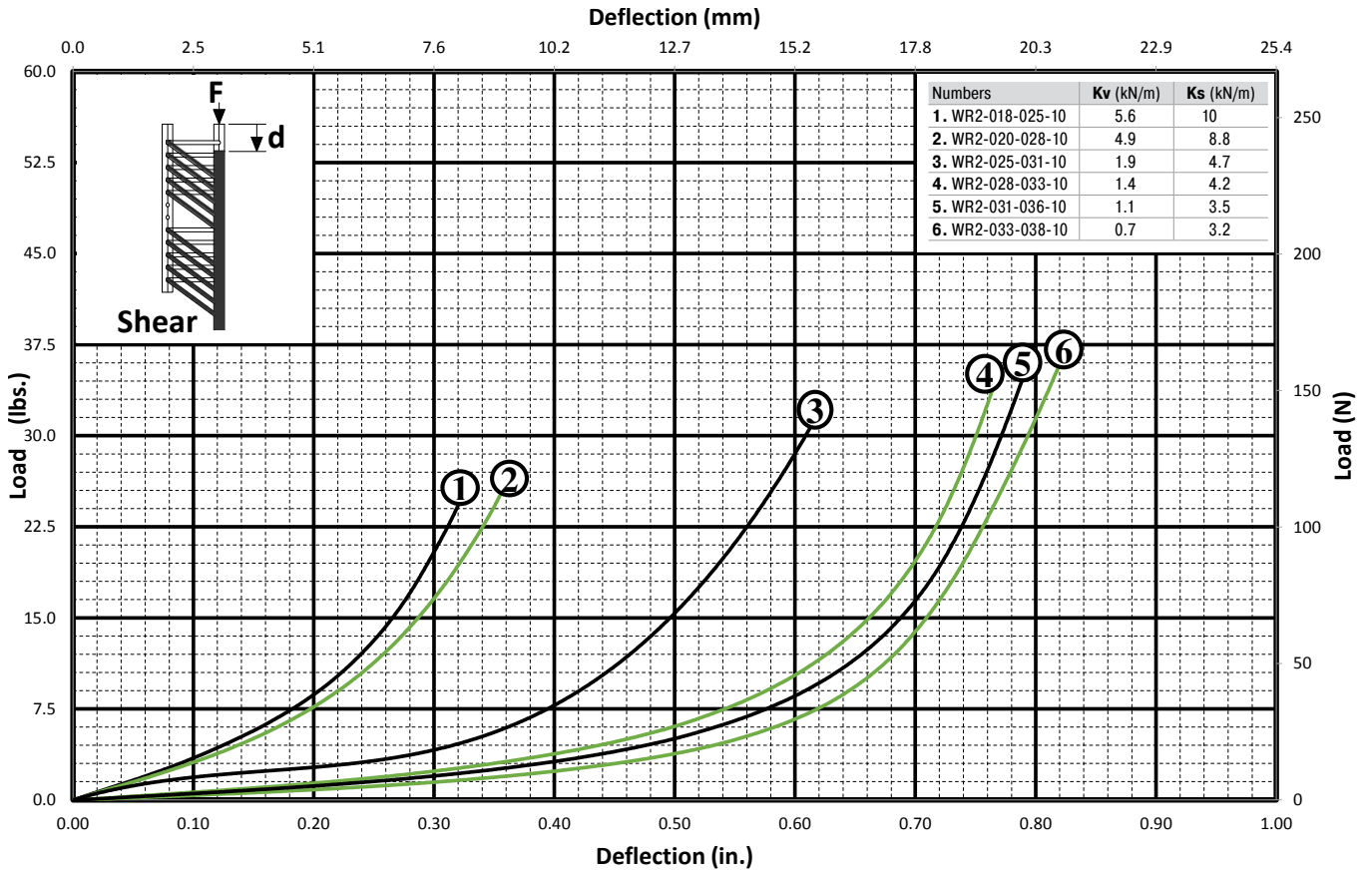
Compression



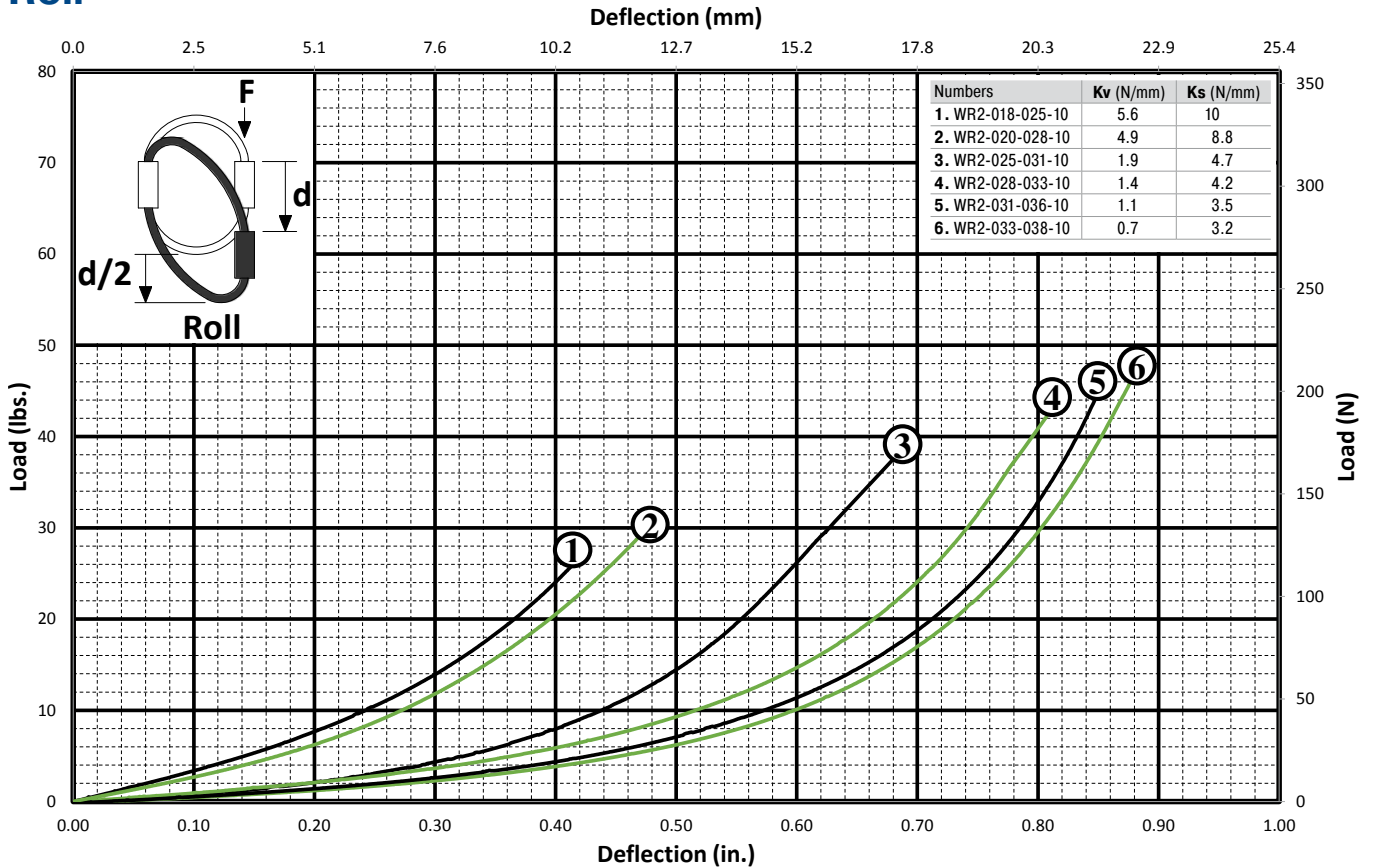
Tension



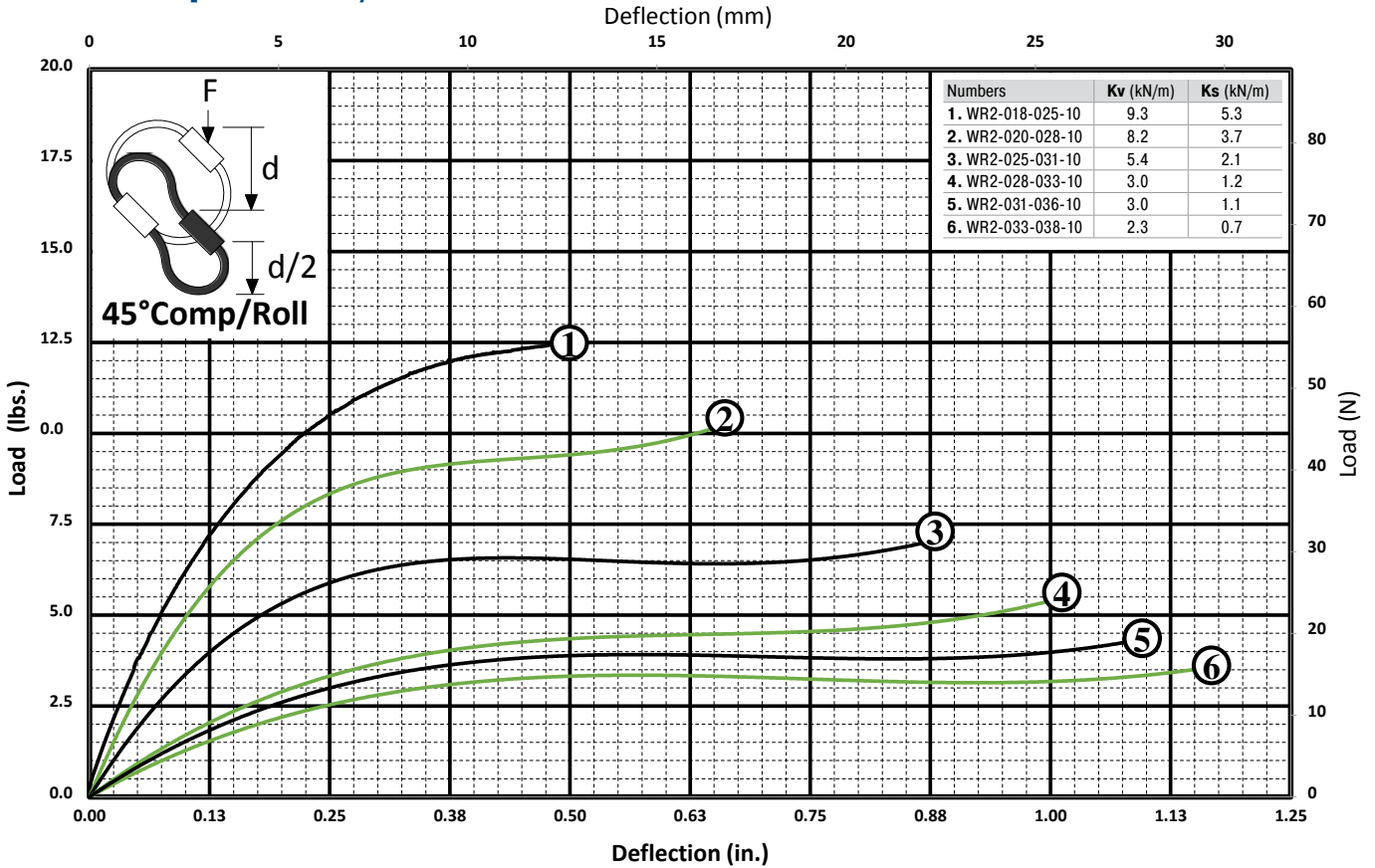
Shear



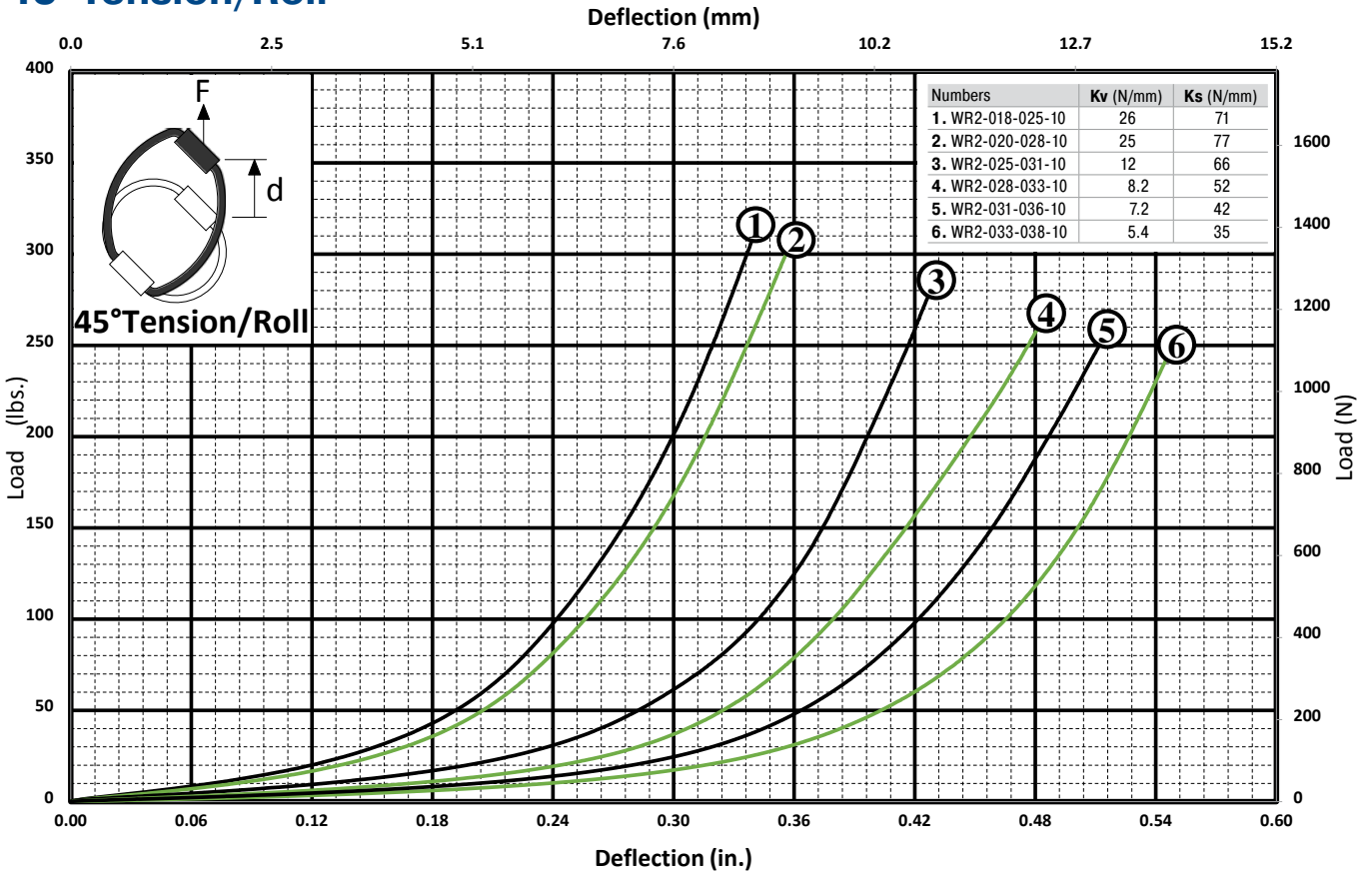
Roll



45° Compression/Roll



45° Tension/Roll



WR3

Helical Isolator

2.38 mm (3/32") Diameter Cable

Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

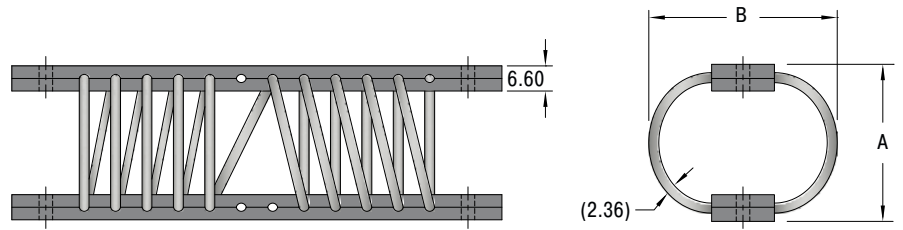
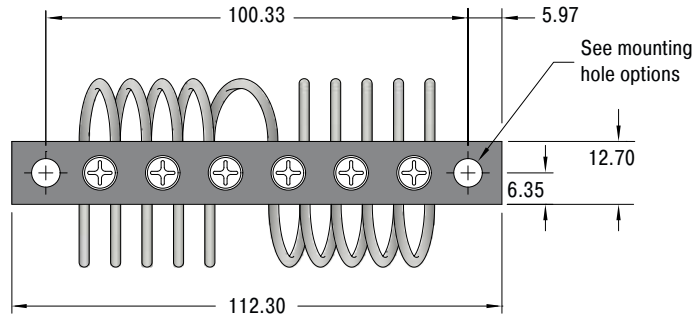
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-26
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.07 kg to Isolator weight for all stainless steel versions

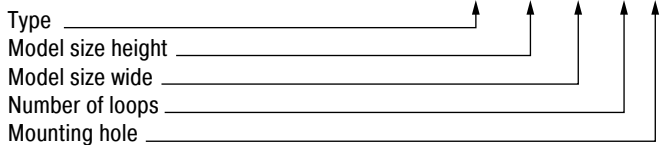
On request

- Special materials, size, mounting holes, finish, etc. available



TYPES	A (+/- 0.8)		Compression			Shear/Roll (Average)			Weight kg
	mm	mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR3-023-028-10	22.9	27.9	73	62	7.6	25	36	7.6	0.068
WR3-025-031-10	25.4	30.5	50	45	10.2	17	30	10.2	0.071
WR3-028-034-10	27.9	33.5	34	30	12.7	9.6	18	12.7	0.074
WR3-033-038-10	33.0	38.1	17	14	17.8	5.1	8.1	17.8	0.077
WR3-036-041-10	35.6	40.6	15	12	20.3	4.2	7.2	20.3	0.079
WR3-038-043-10	38.1	43.2	11	8.8	22.9	3.0	5.4	22.9	0.085

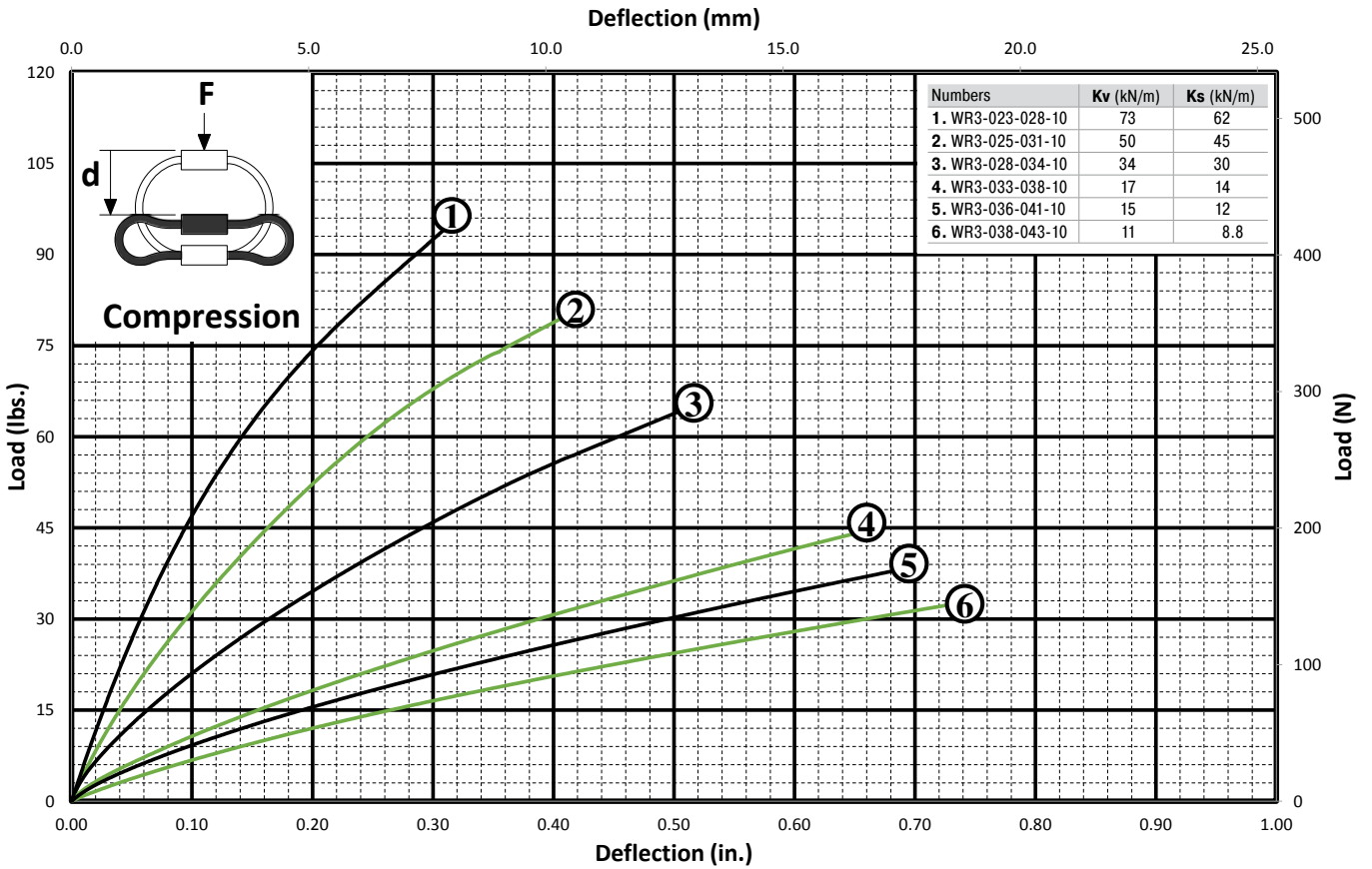
Ordering Example



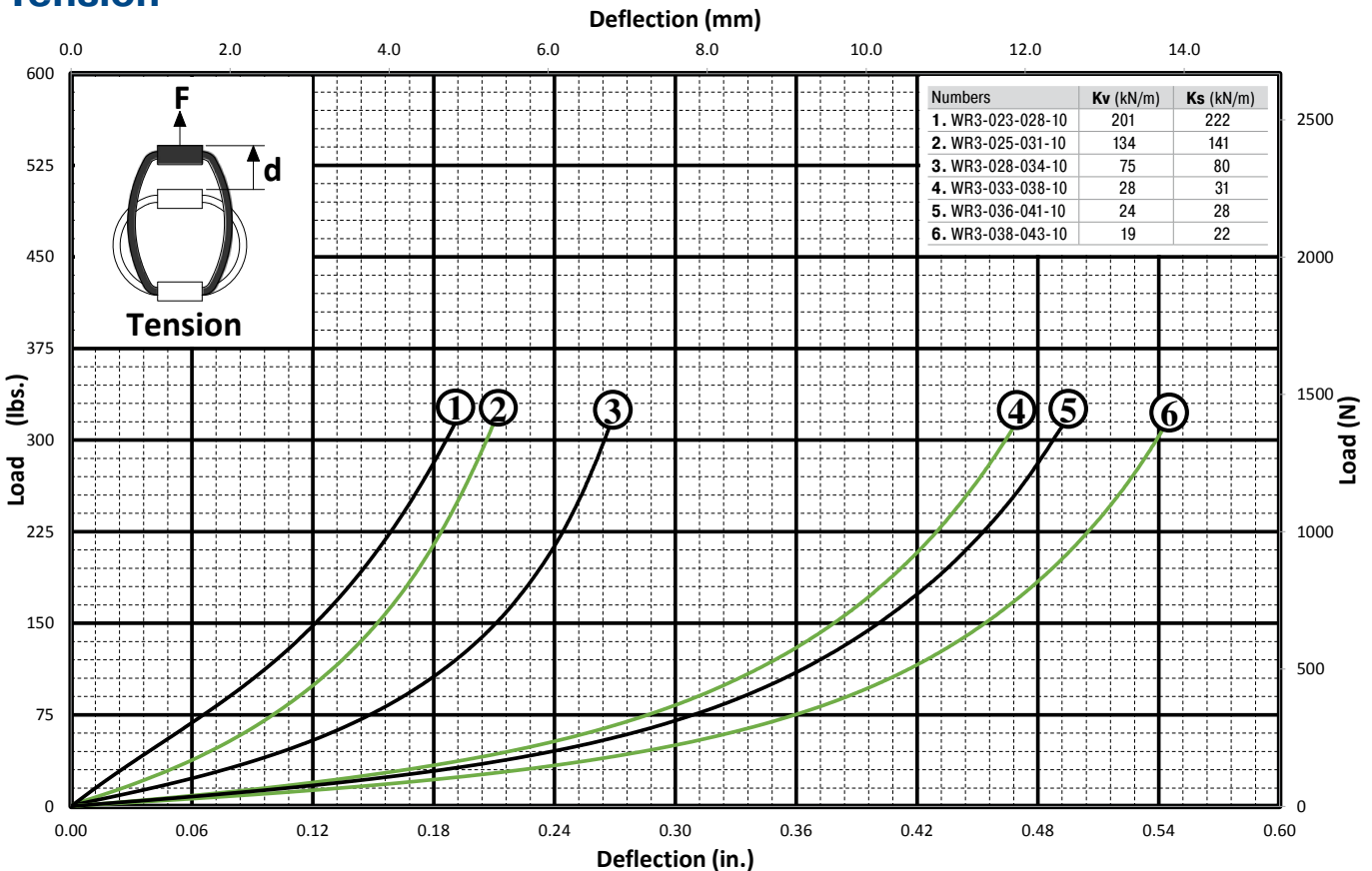
Mounting Hole Options	
<p>A</p>	<p>D</p>
<p>B</p>	<p>E</p>
<p>C</p>	<p>F</p>

Issue 07.2020 – Specifications subject to change

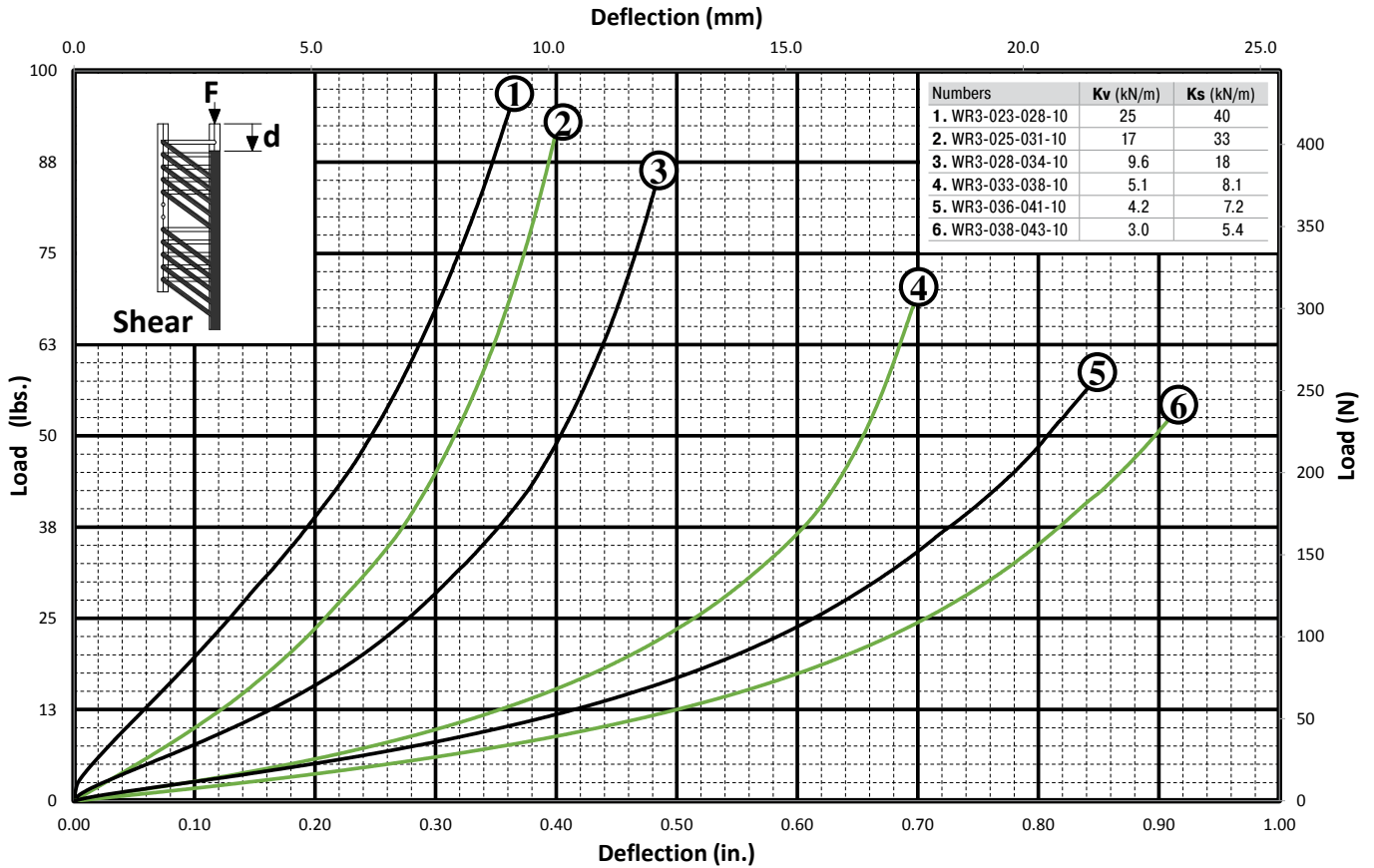
Compression



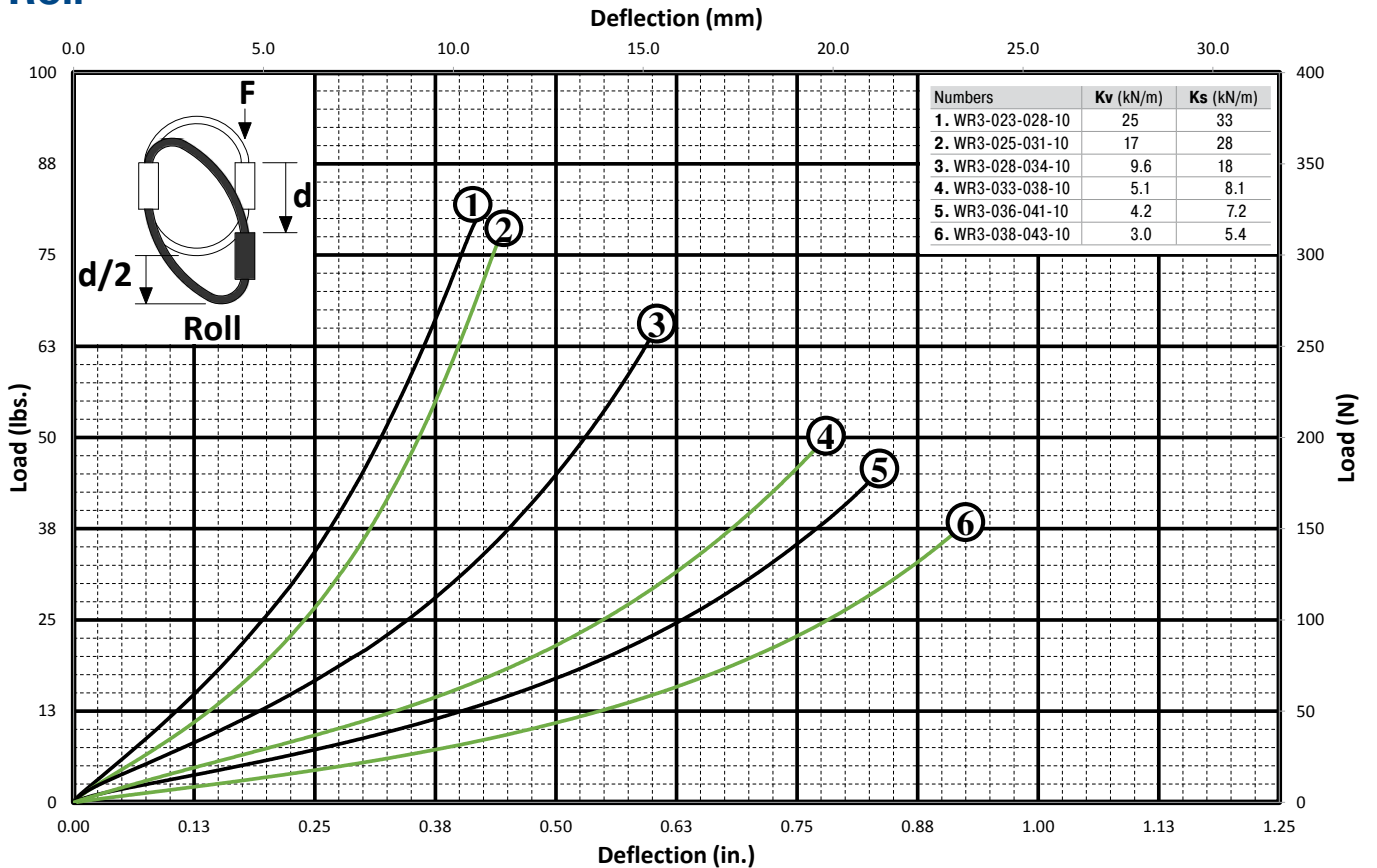
Tension



Shear

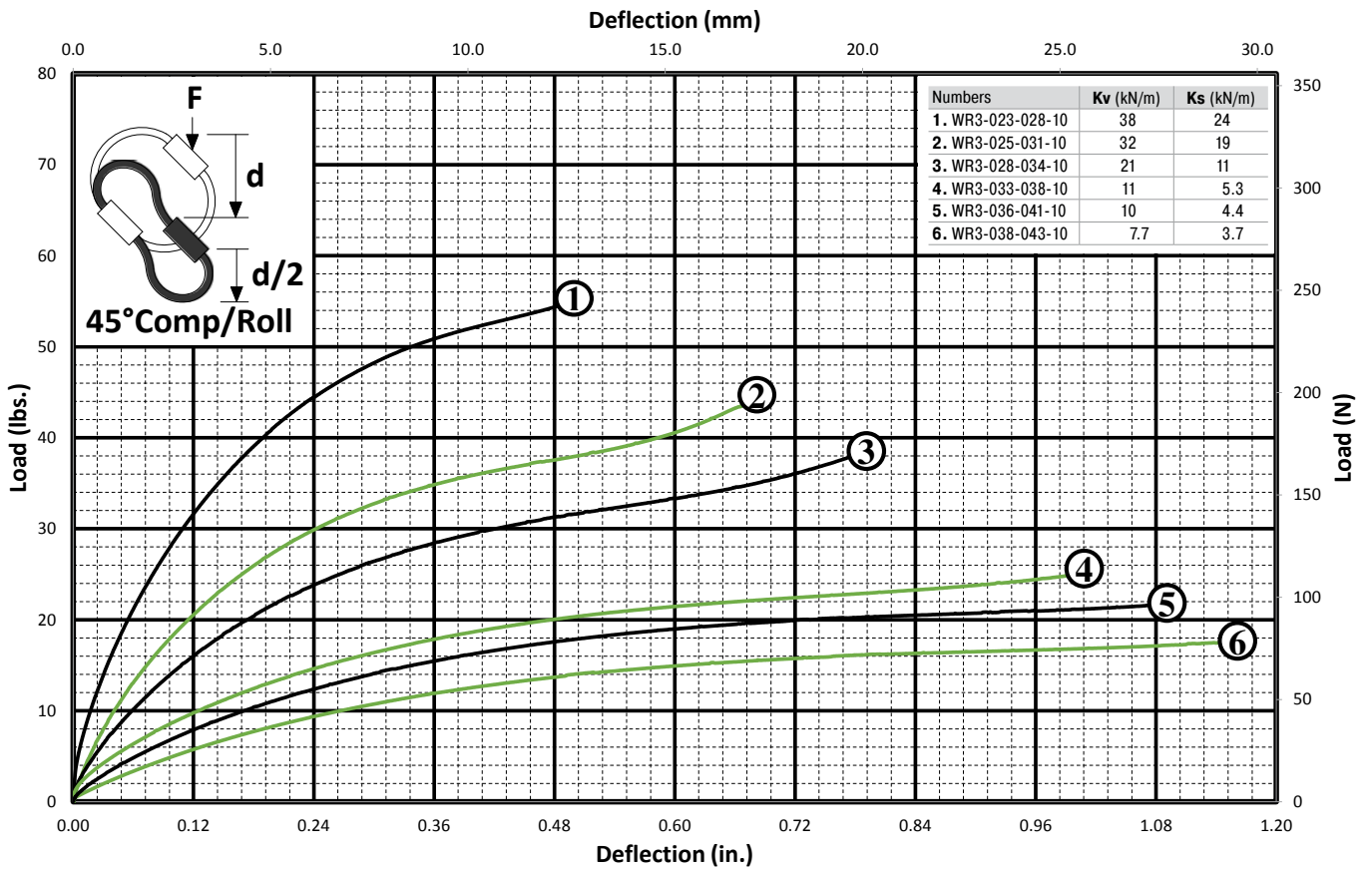


Roll

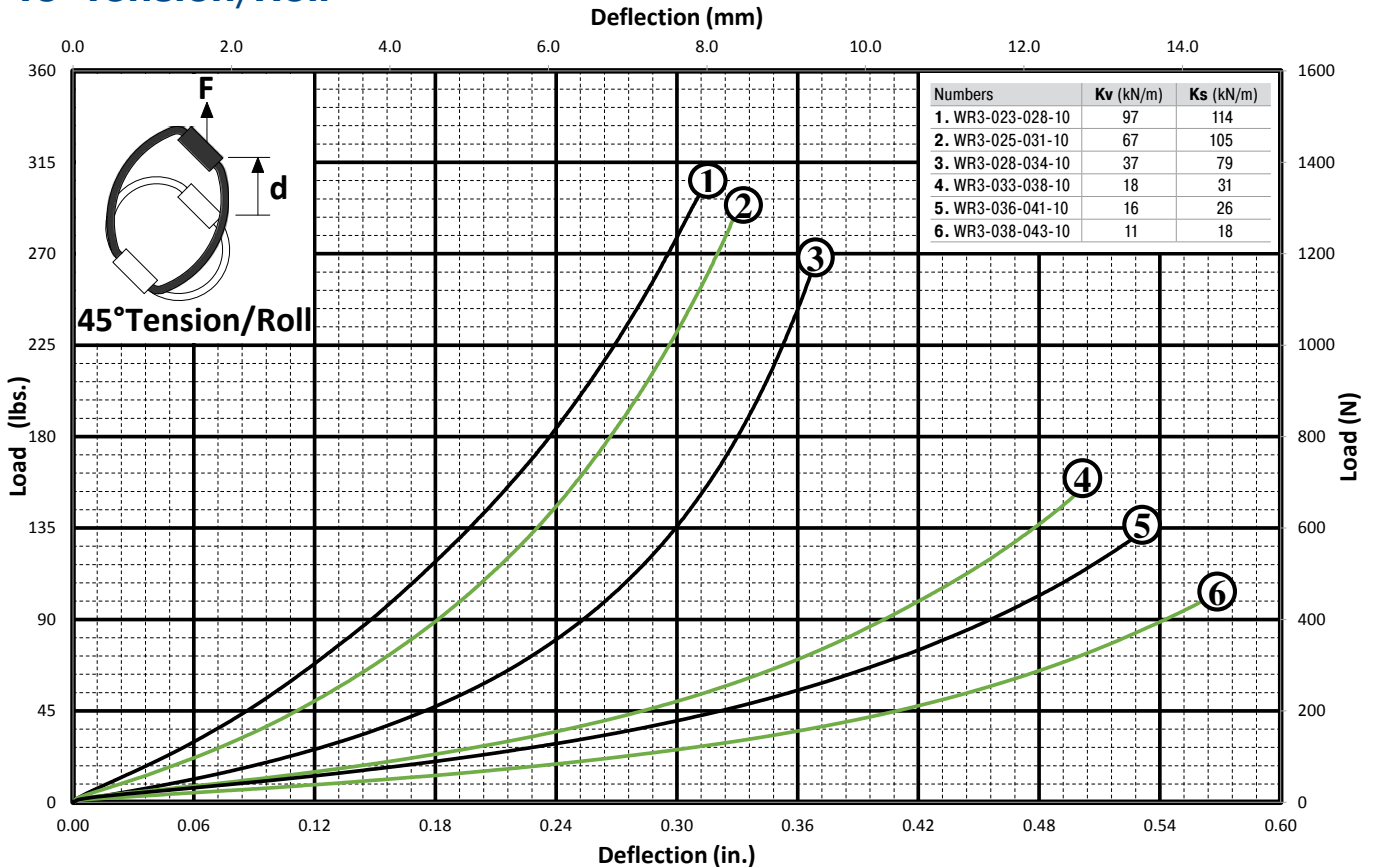


Issue 07.2020 – Specifications subject to change

45° Compression/Roll



45° Tension/Roll



WR4

Helical Isolator

3.18 mm (1/8") Diameter Cable

Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

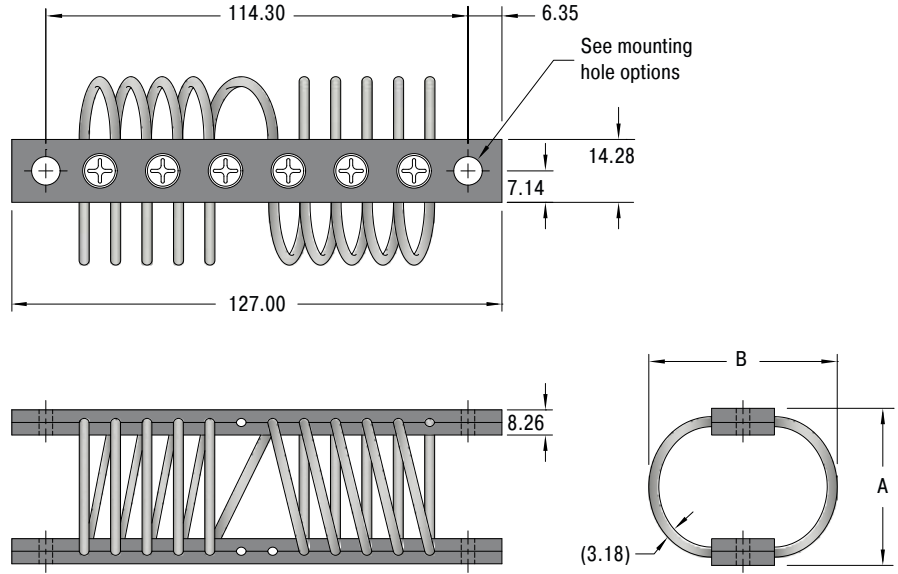
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-42
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.12 kg to Isolator weight for all stainless steel versions

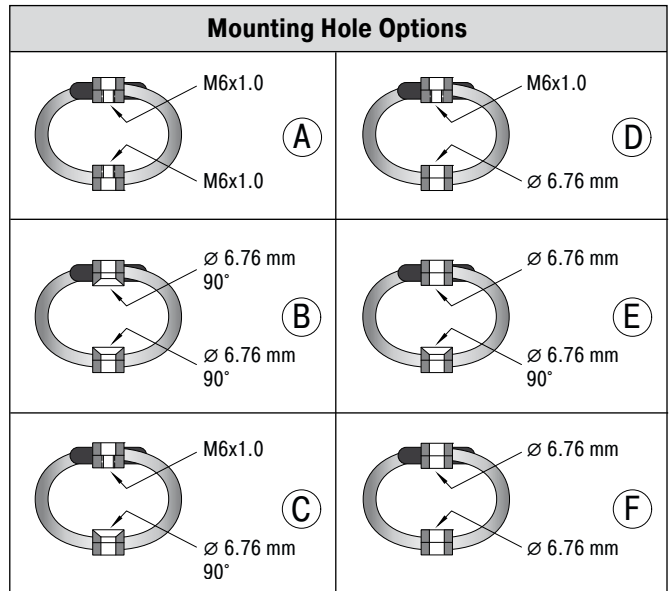
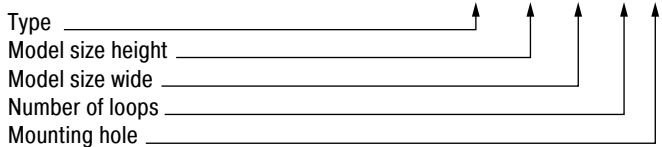
On request

- Special materials, size, mounting holes, finish, etc. available



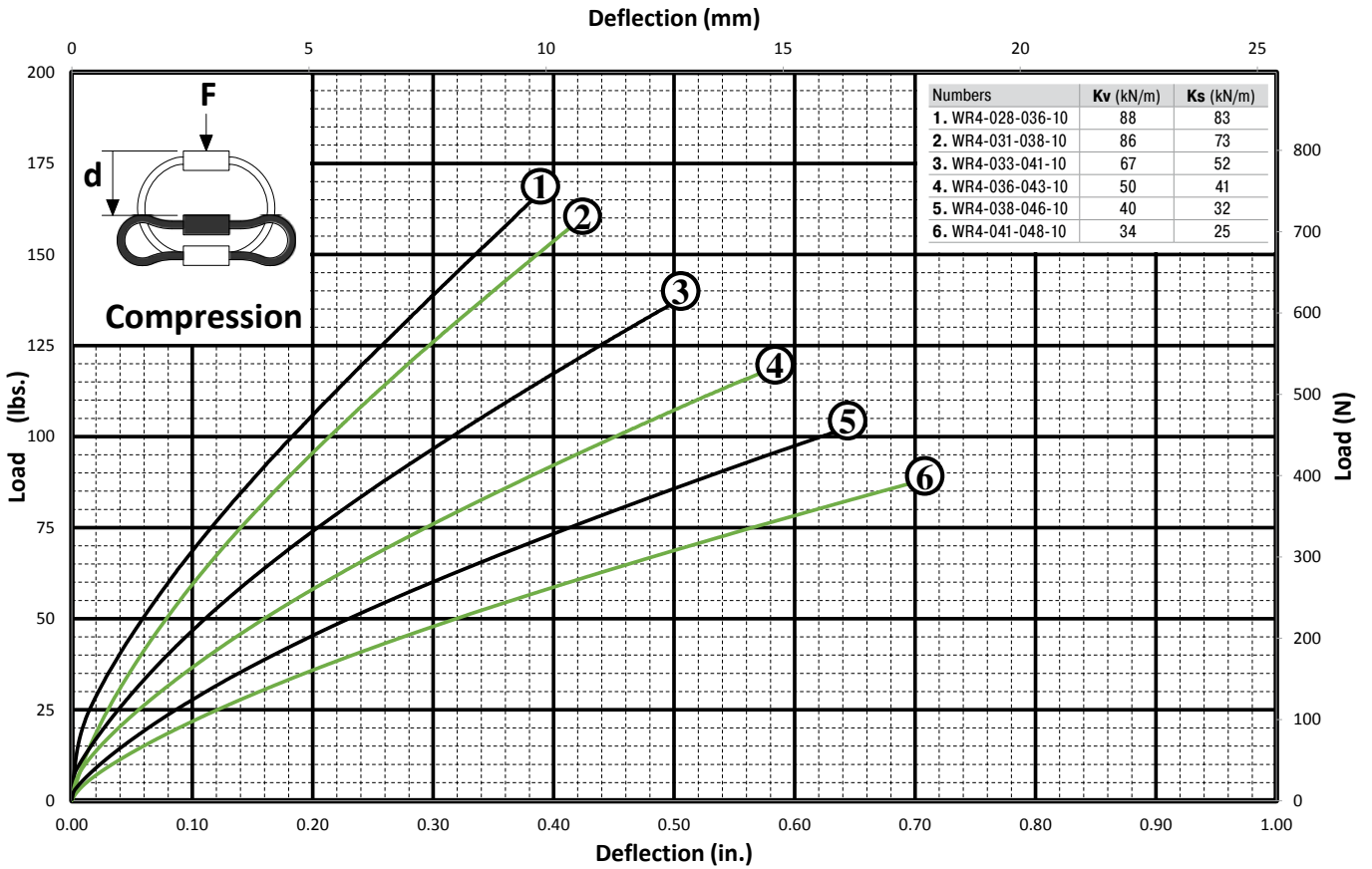
TYPES	A (+/- 0.8)		Compression			Shear/Roll (Average)			Weight kg
	mm	mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR4-028-036-10	27.9	35.6	88	83	8.9	31	37	8.9	0.114
WR4-031-038-10	30.5	38.1	86	73	11.4	26	34	11.4	0.116
WR4-033-041-10	33.0	40.6	67	52	14.0	21	29	14.0	0.119
WR4-036-043-10	35.6	43.2	50	41	16.5	15	22	16.5	0.122
WR4-038-046-10	38.1	45.7	40	32	19.1	13	20	19.1	0.125
WR4-041-048-10	40.6	48.2	34	25	21.6	9.5	15	21.6	0.128

Ordering Example

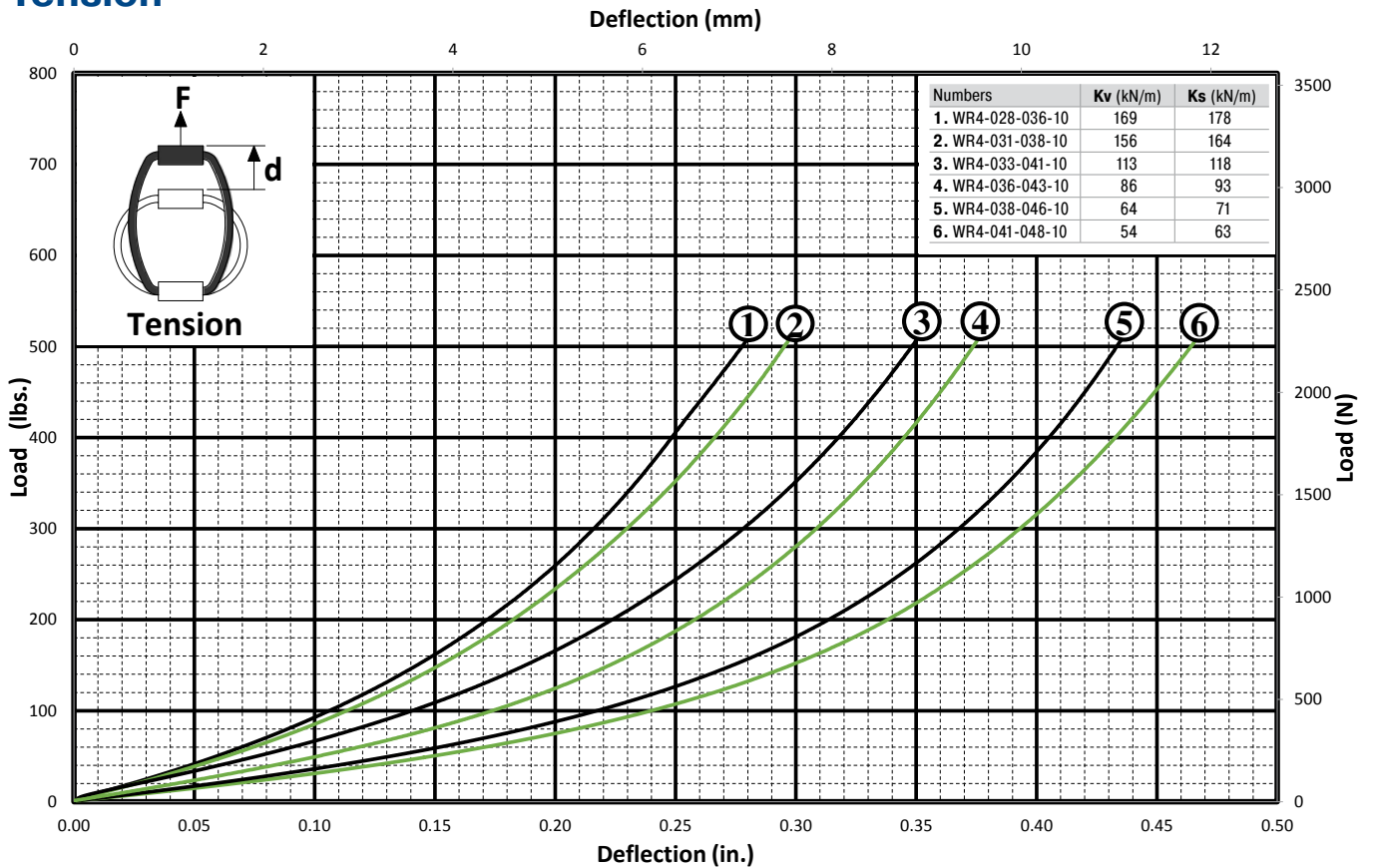


Issue 07.2020 – Specifications subject to change

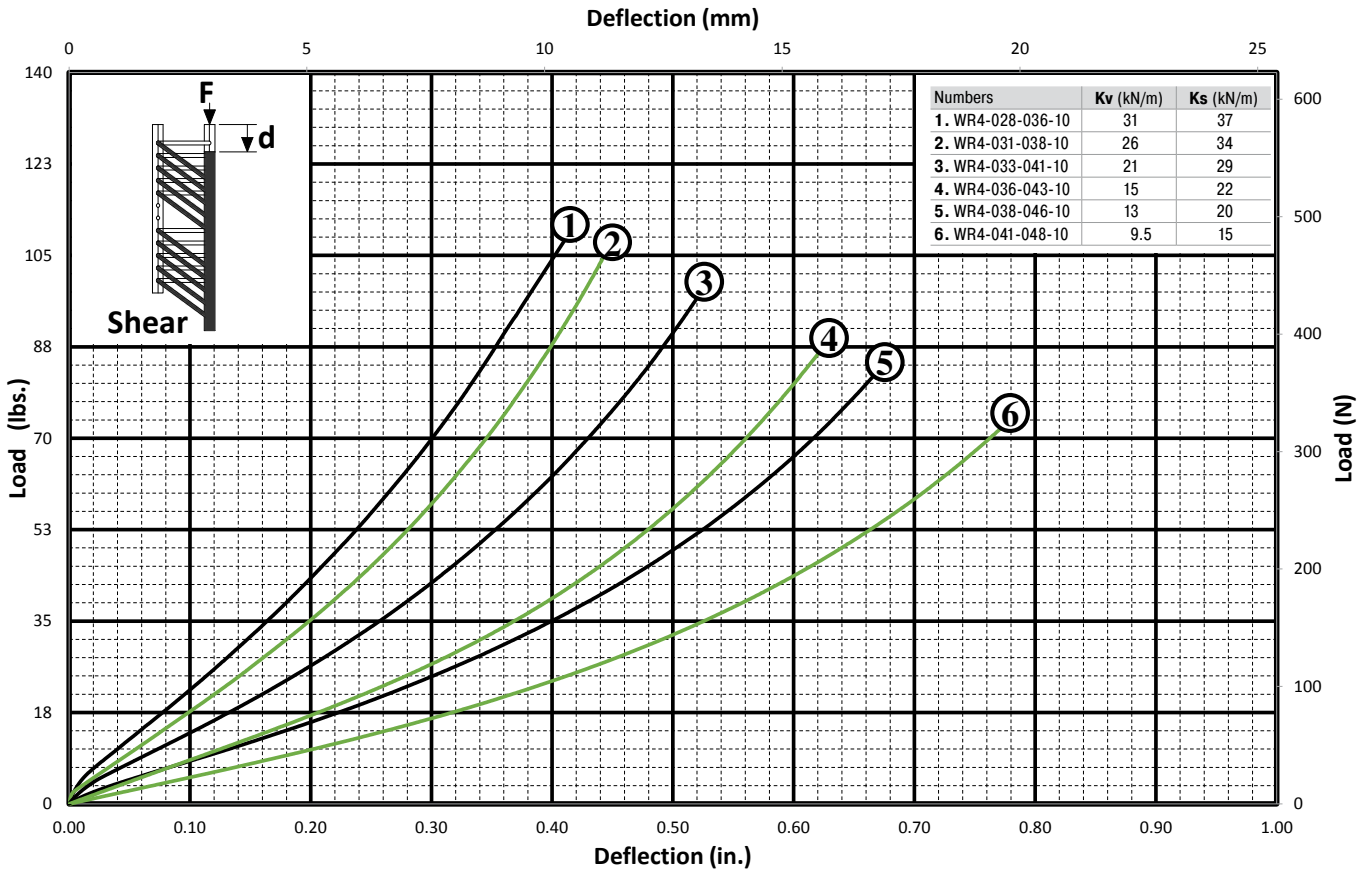
Compression



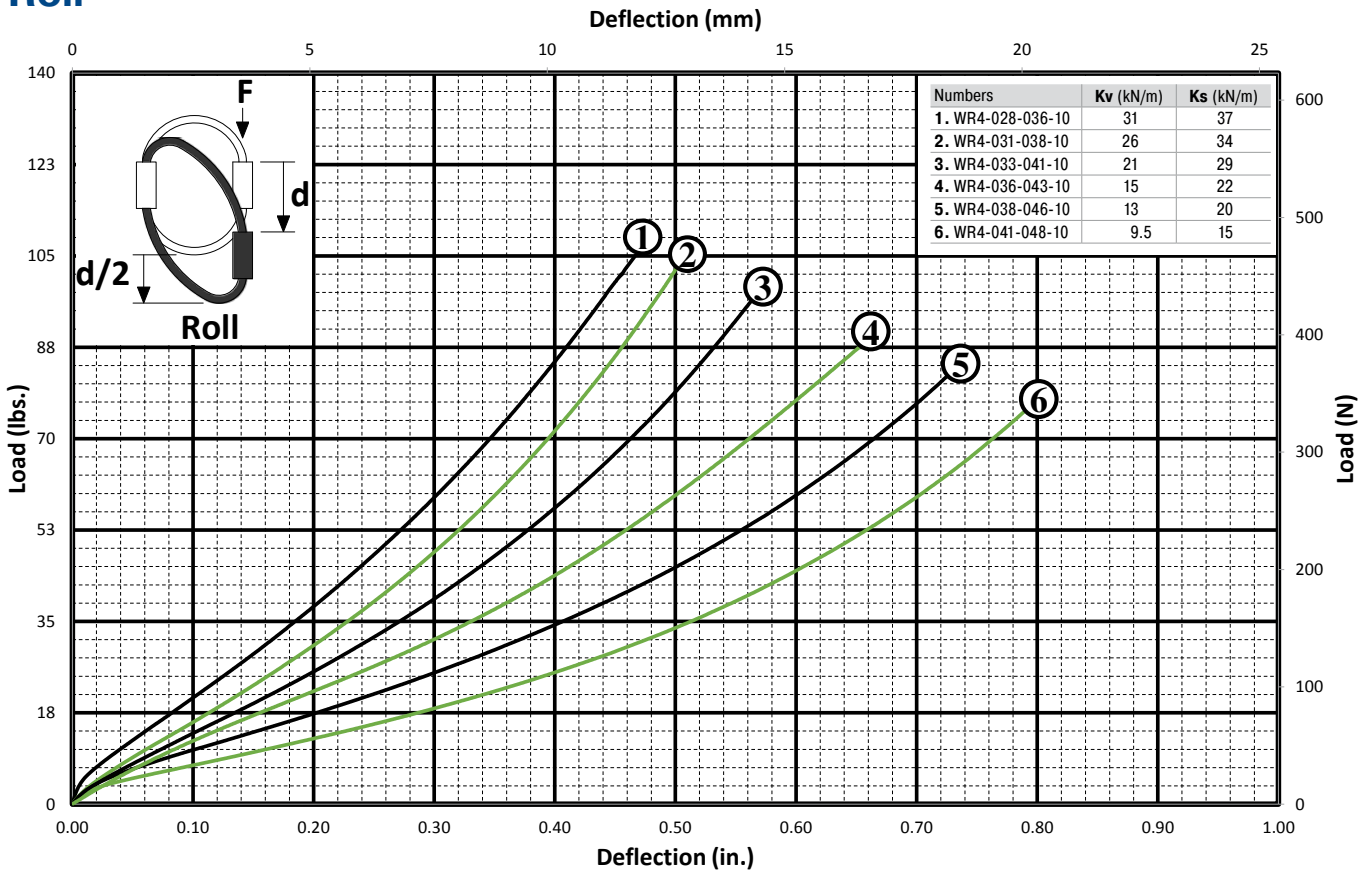
Tension



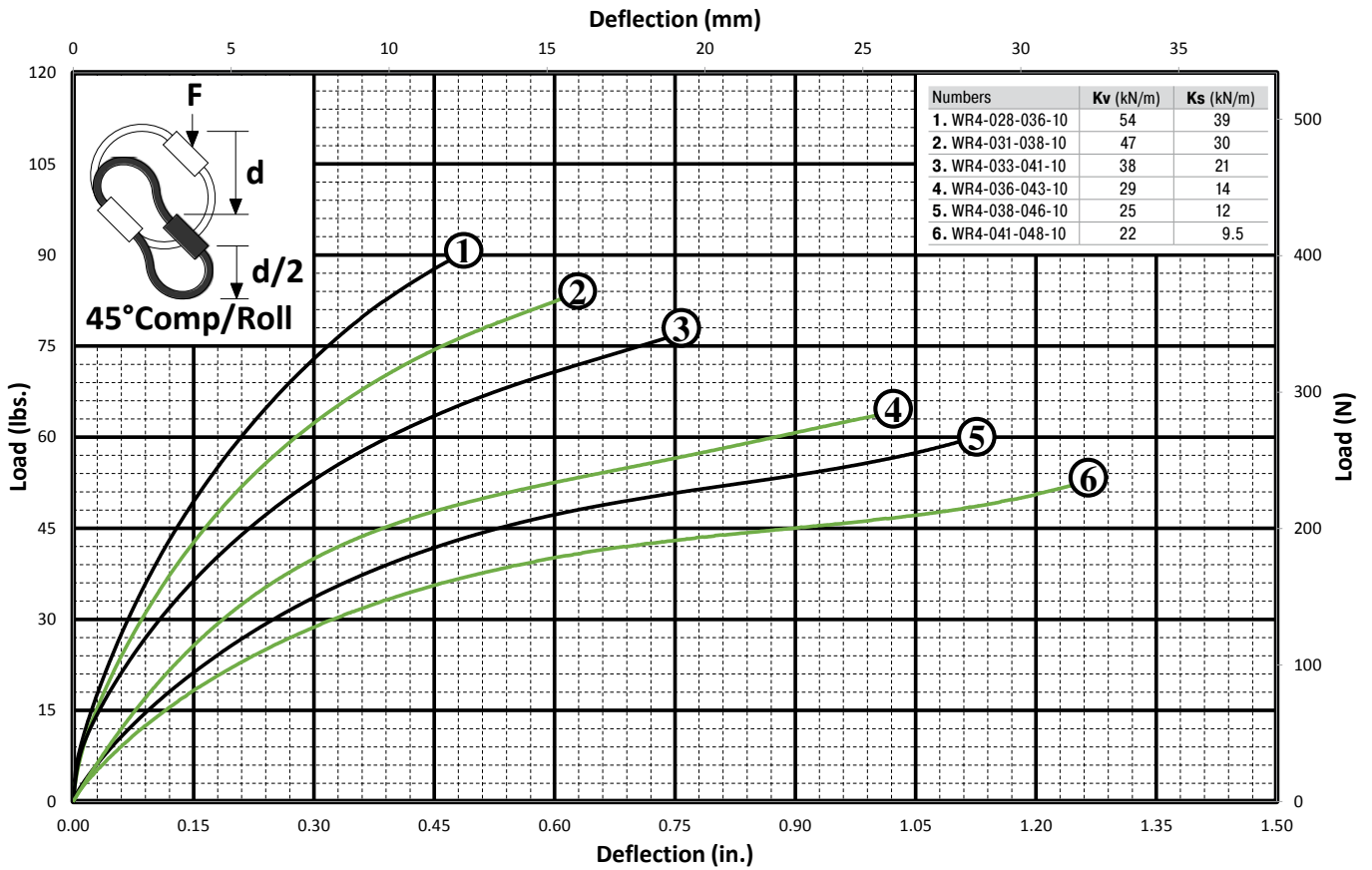
Shear



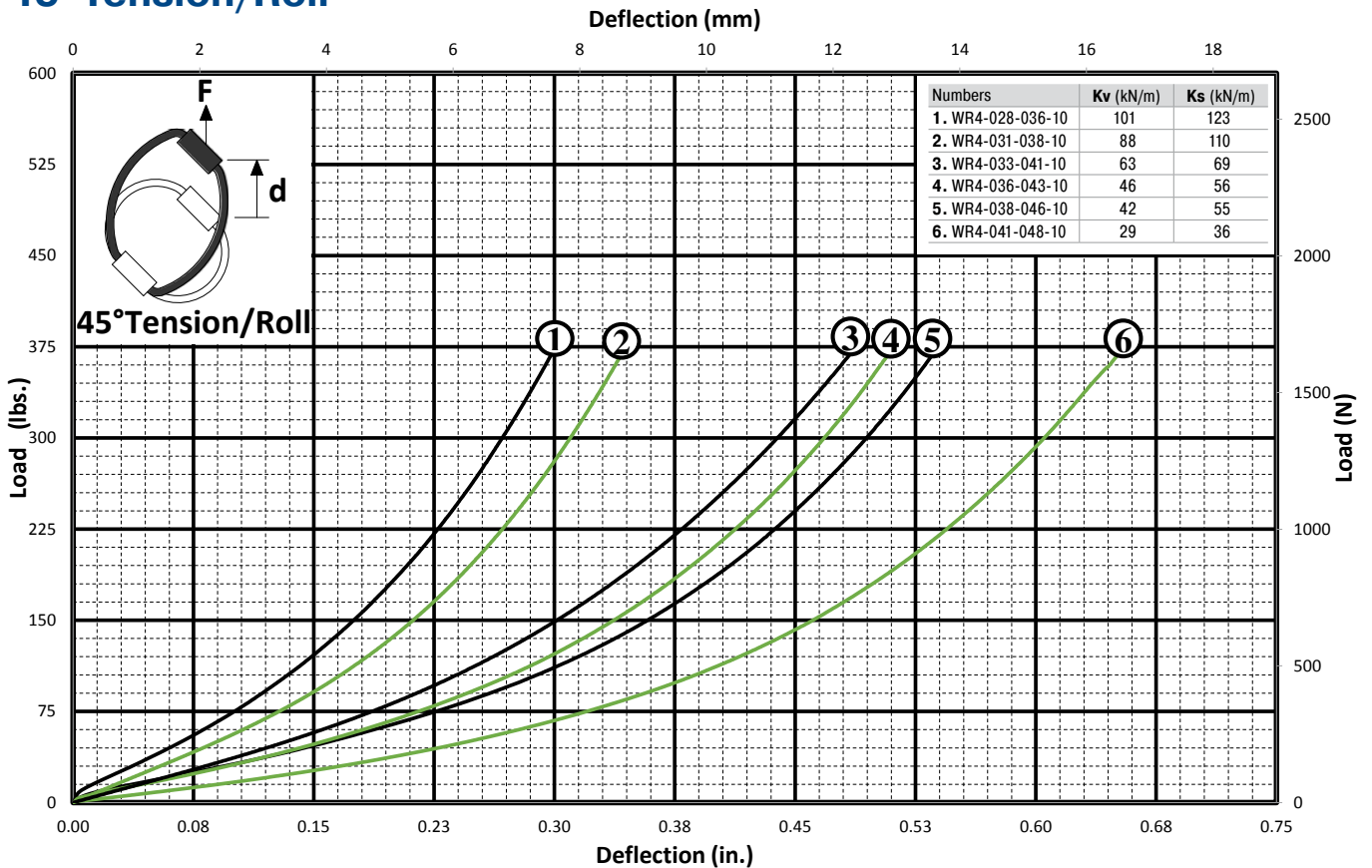
Roll



45° Compression/Roll



45° Tension/Roll



Product also available in stainless steel



WR5

Helical Isolator

3.97 mm (5/32") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

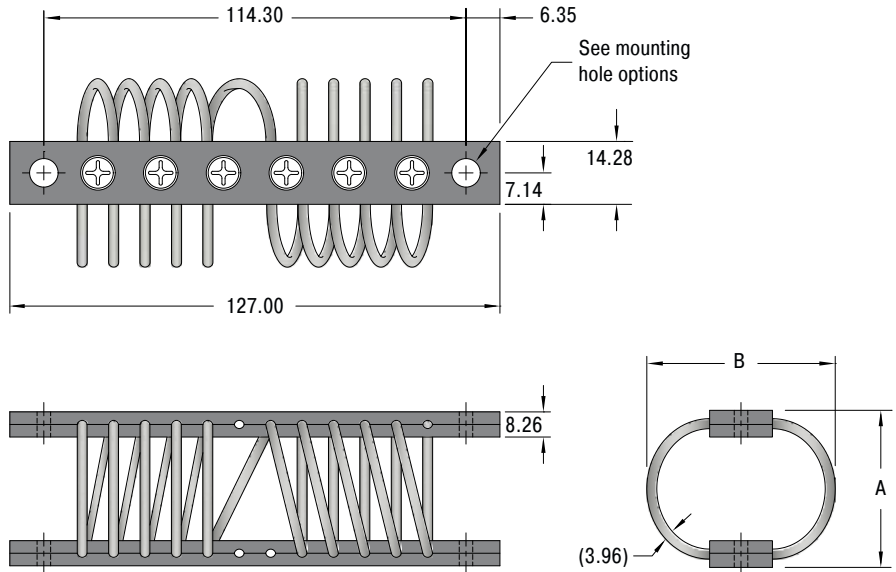
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-42
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.11 kg to Isolator weight for all stainless steel versions

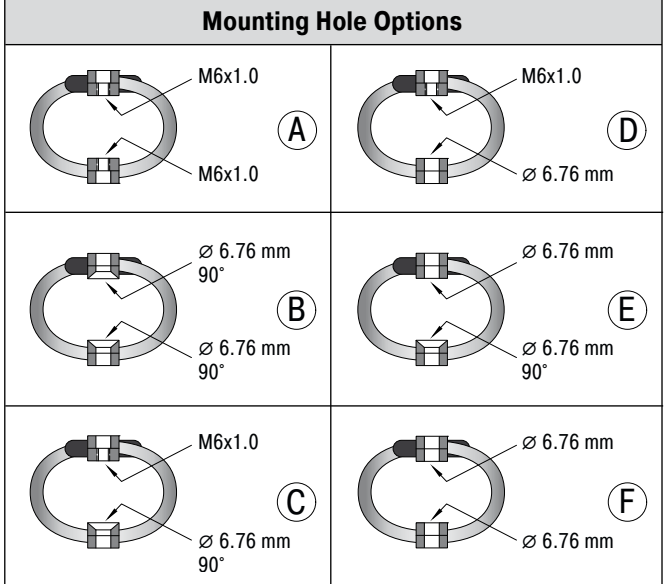
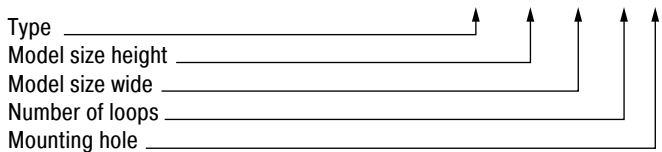
On request

Special materials, size, mounting holes, finish, etc. available



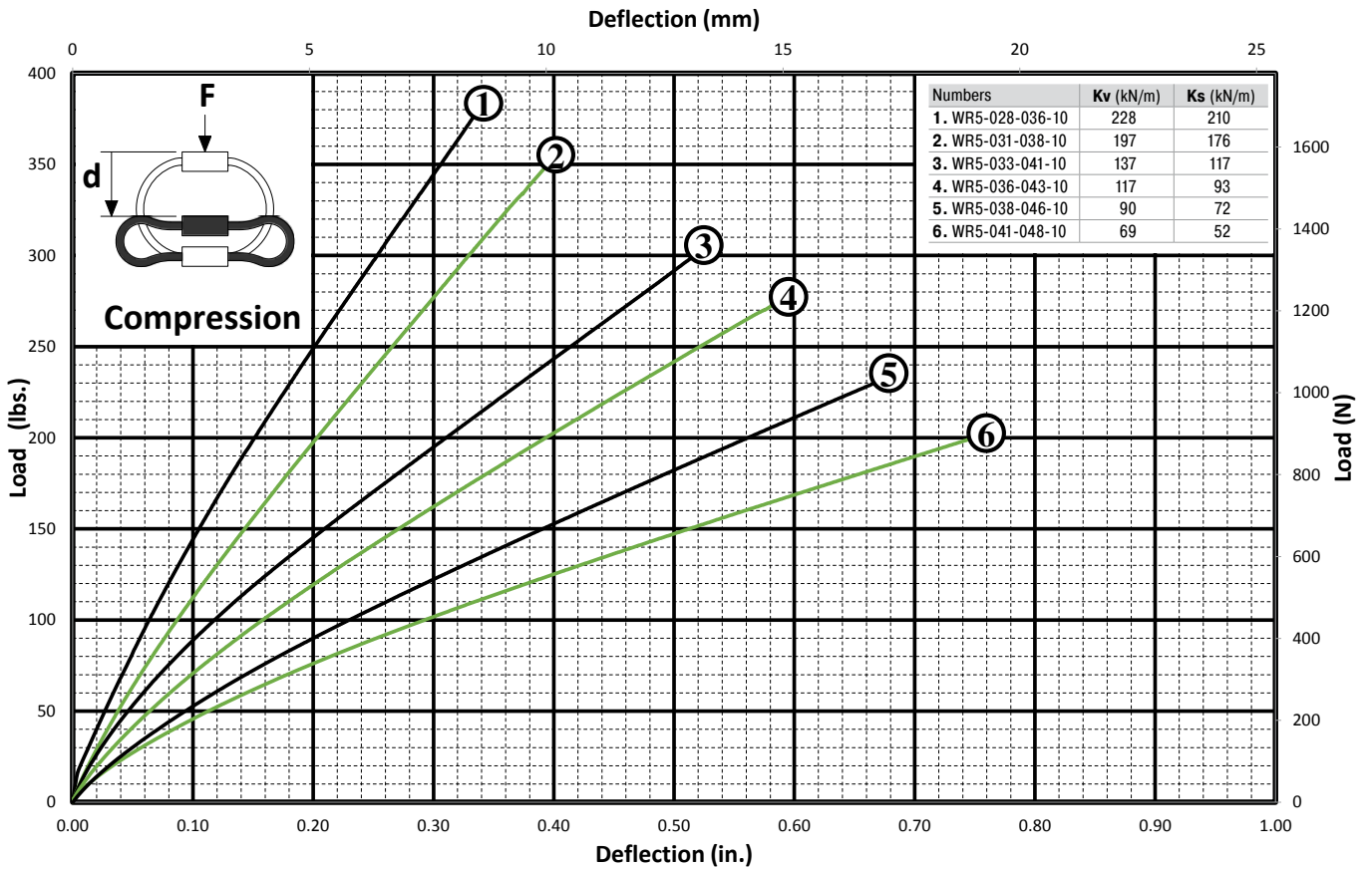
TYPES	A (+/- 0.8)		Compression			Shear/Roll (Average)			Weight kg
	mm	mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR5-028-036-10	27.9	35.6	228	210	8.9	81	96	8.9	0.131
WR5-031-038-10	30.5	38.1	197	176	11.4	62	75	11.4	0.136
WR5-033-041-10	33.0	40.6	137	117	14.0	43	51	14.0	0.148
WR5-036-043-10	35.6	43.2	117	93	16.5	33	43	16.5	0.148
WR5-038-046-10	38.1	45.7	90	72	19.1	22	35	19.1	0.153
WR5-041-048-10	40.6	48.2	69	52	21.6	19	27	21.6	0.153

Ordering Example

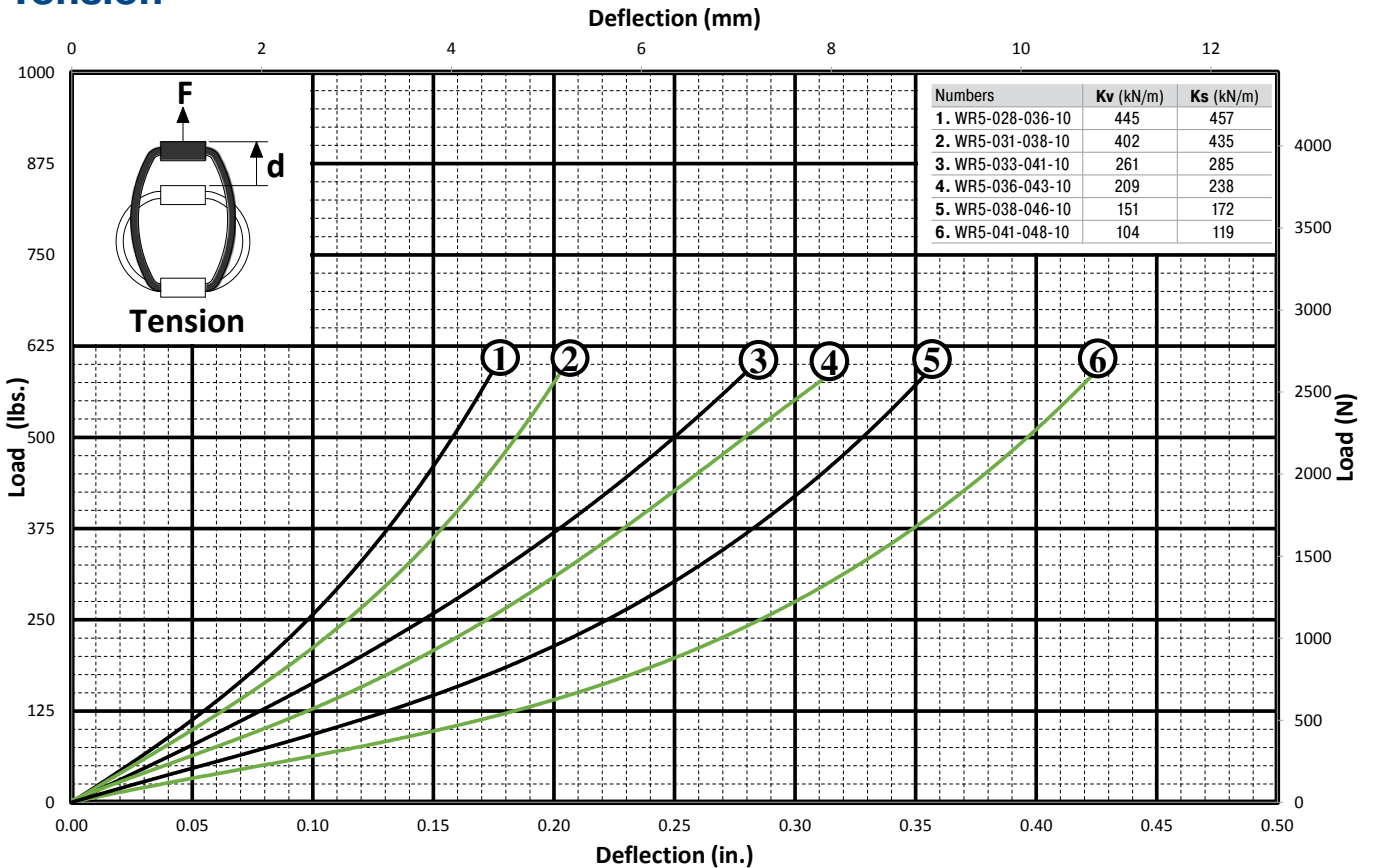


Issue 07.2020 – Specifications subject to change

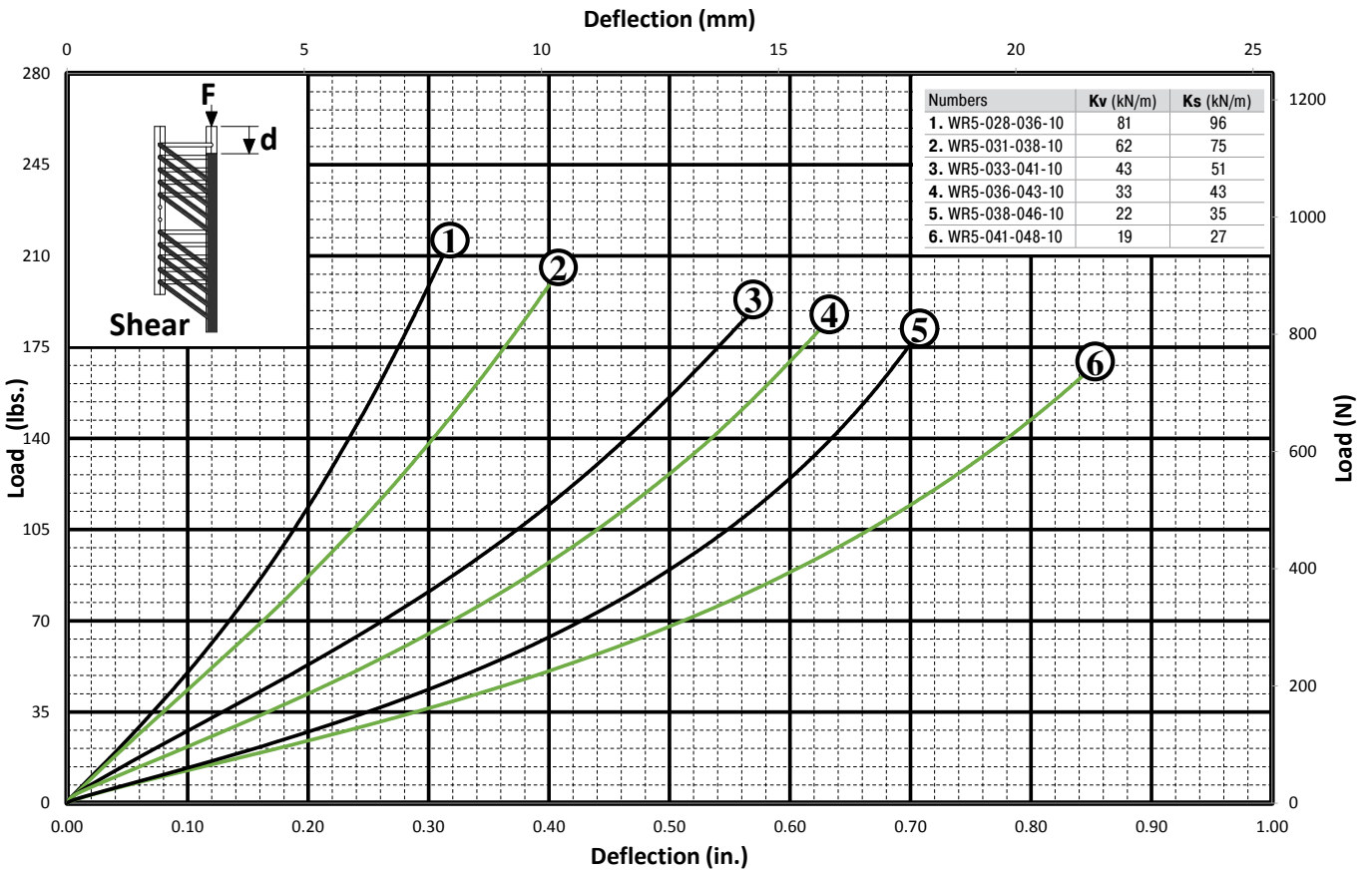
Compression



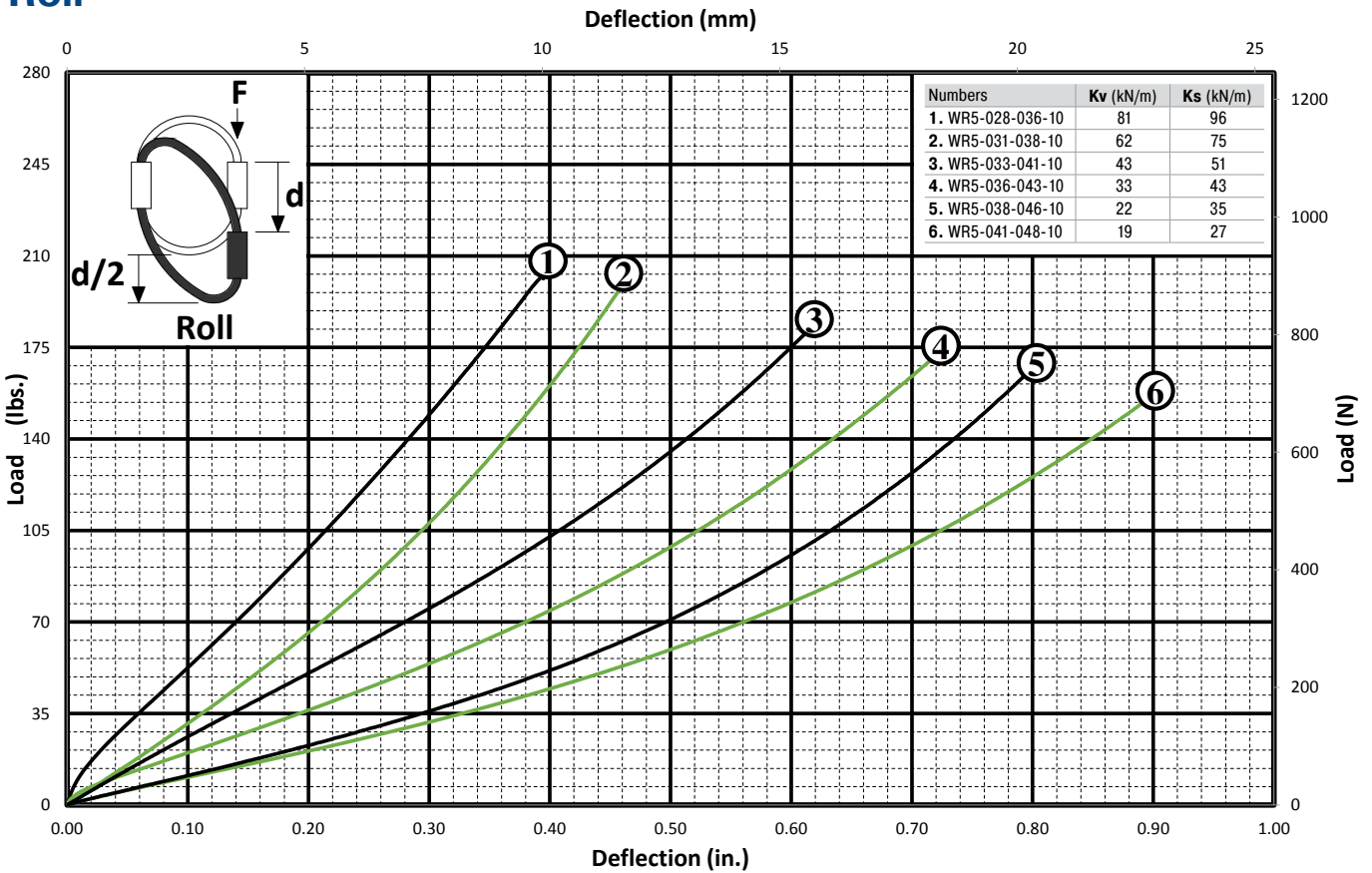
Tension



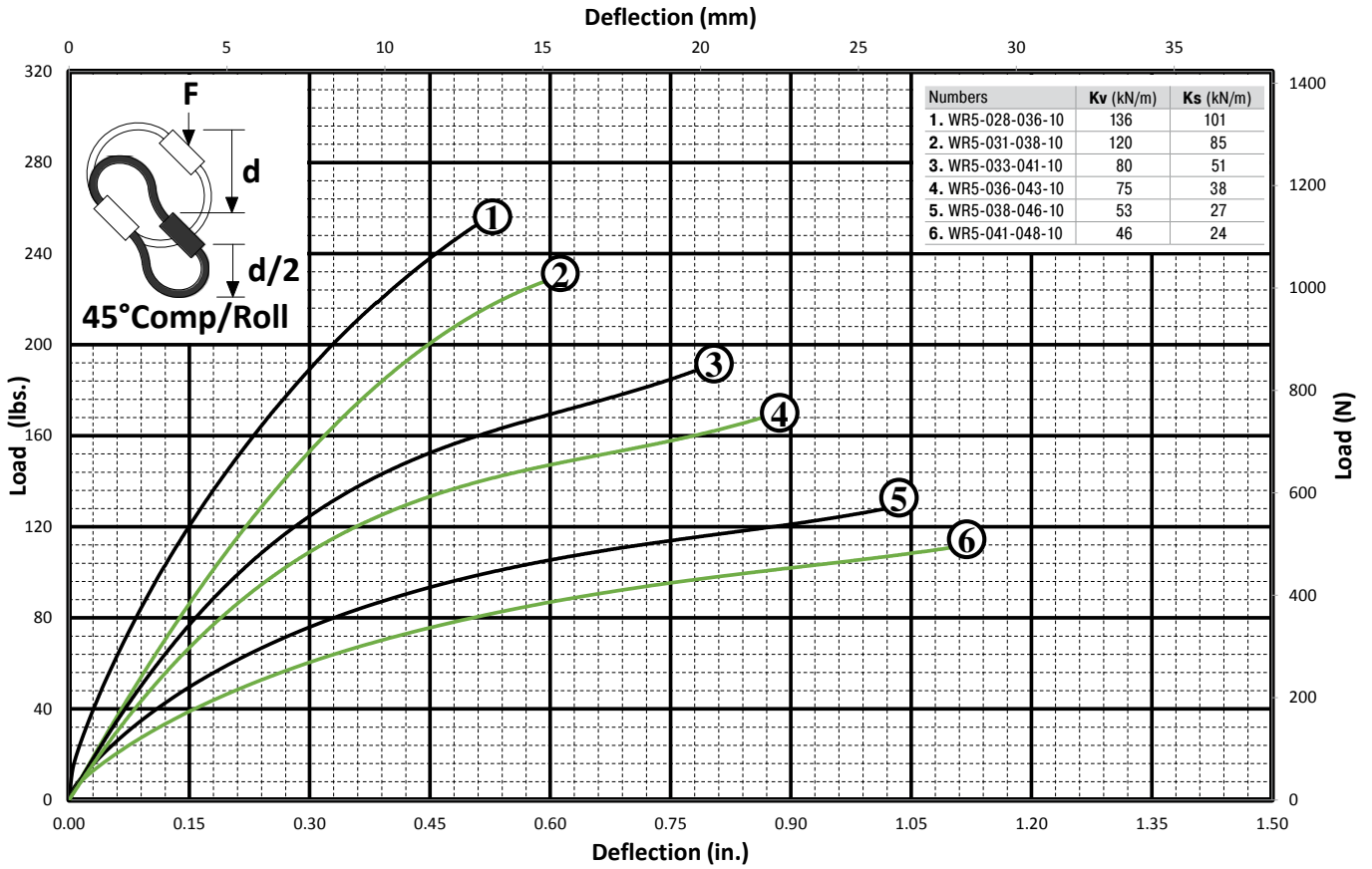
Shear



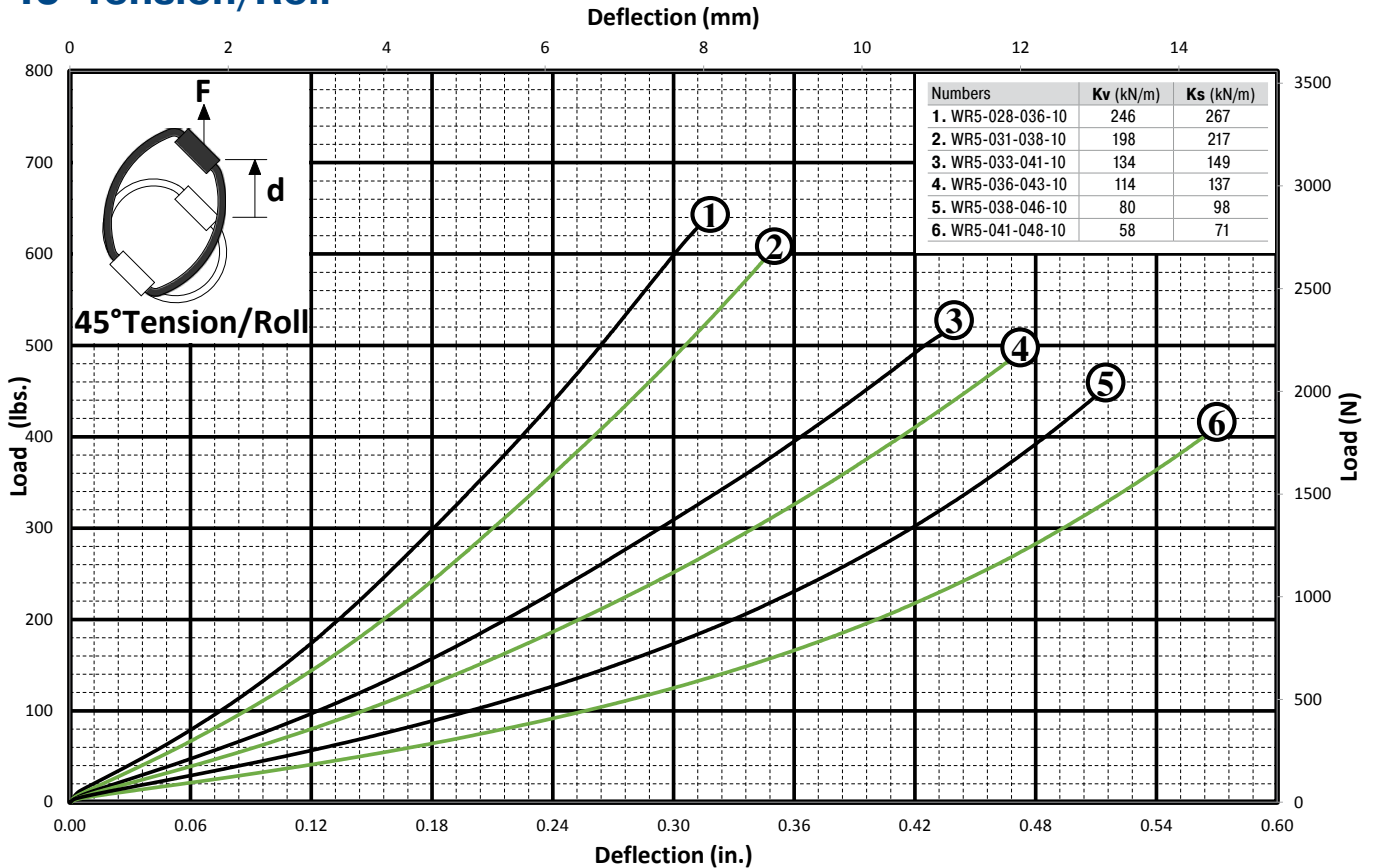
Roll



45° Compression/Roll



45° Tension/Roll



Product also available in stainless steel



WR6A

Helical Isolator

4.76 mm (3/16") Diameter Cable

Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

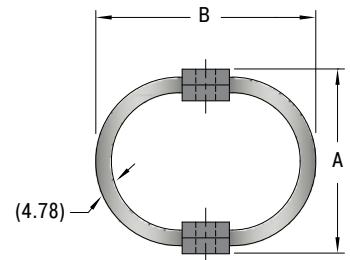
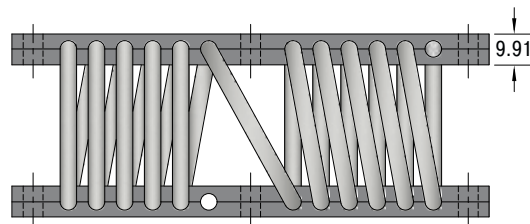
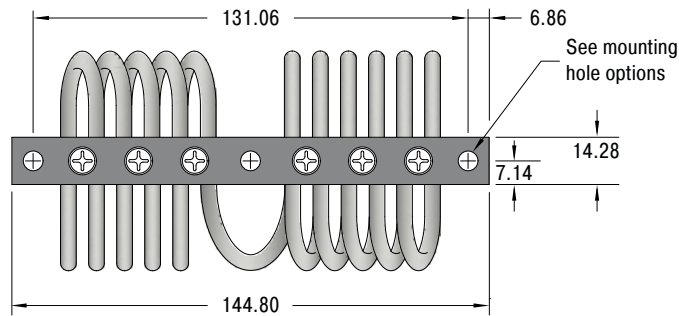
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-28
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.15 kg to Isolator weight for all stainless steel versions

On request

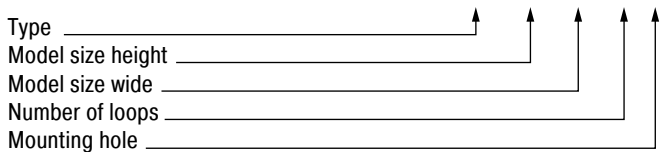
Special materials, size, mounting holes, finish, etc. available



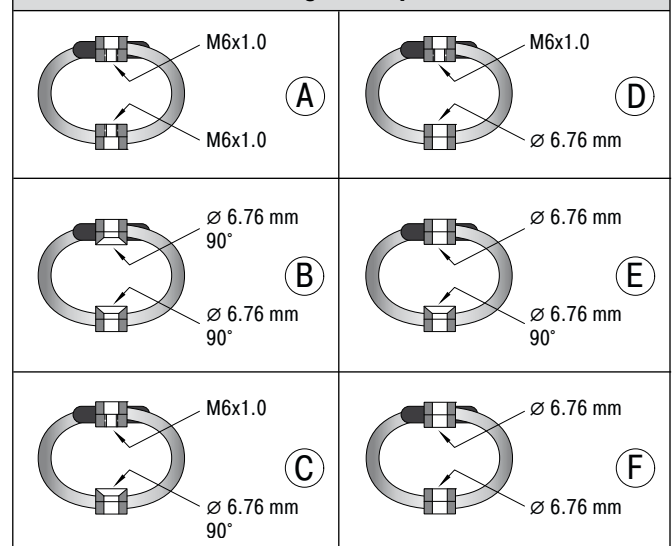
Performance

TYPES	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR6A-051-058-11	50.8	57.9	81	58	25.4	27	29	25.4	0.244
WR6A-052-064-11	52.3	63.5	66	48	26.7	18	25	26.7	0.253
WR6A-054-075-11	54.1	74.7	45	32	27.9	13	18	27.9	0.267
WR6A-056-081-11	55.6	81.0	32	23	29.2	11	15	29.2	0.289
WR6A-062-088-11	62.2	87.6	29	19	40.6	6.7	11	40.6	0.301
WR6A-081-107-11	81.3	106.7	15	8.6	55.9	3.2	6.0	55.9	0.363

Ordering Example

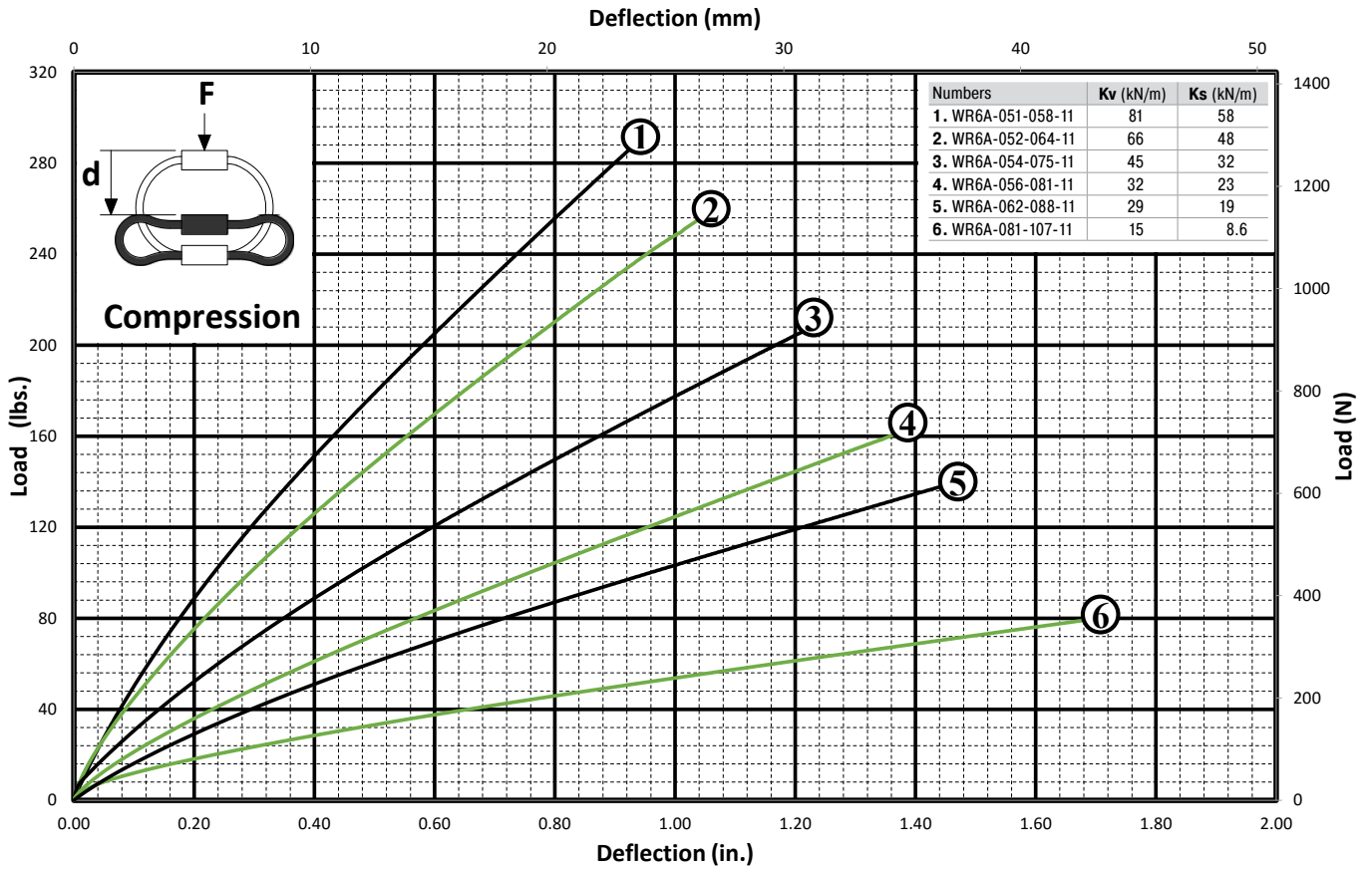


Mounting Hole Options

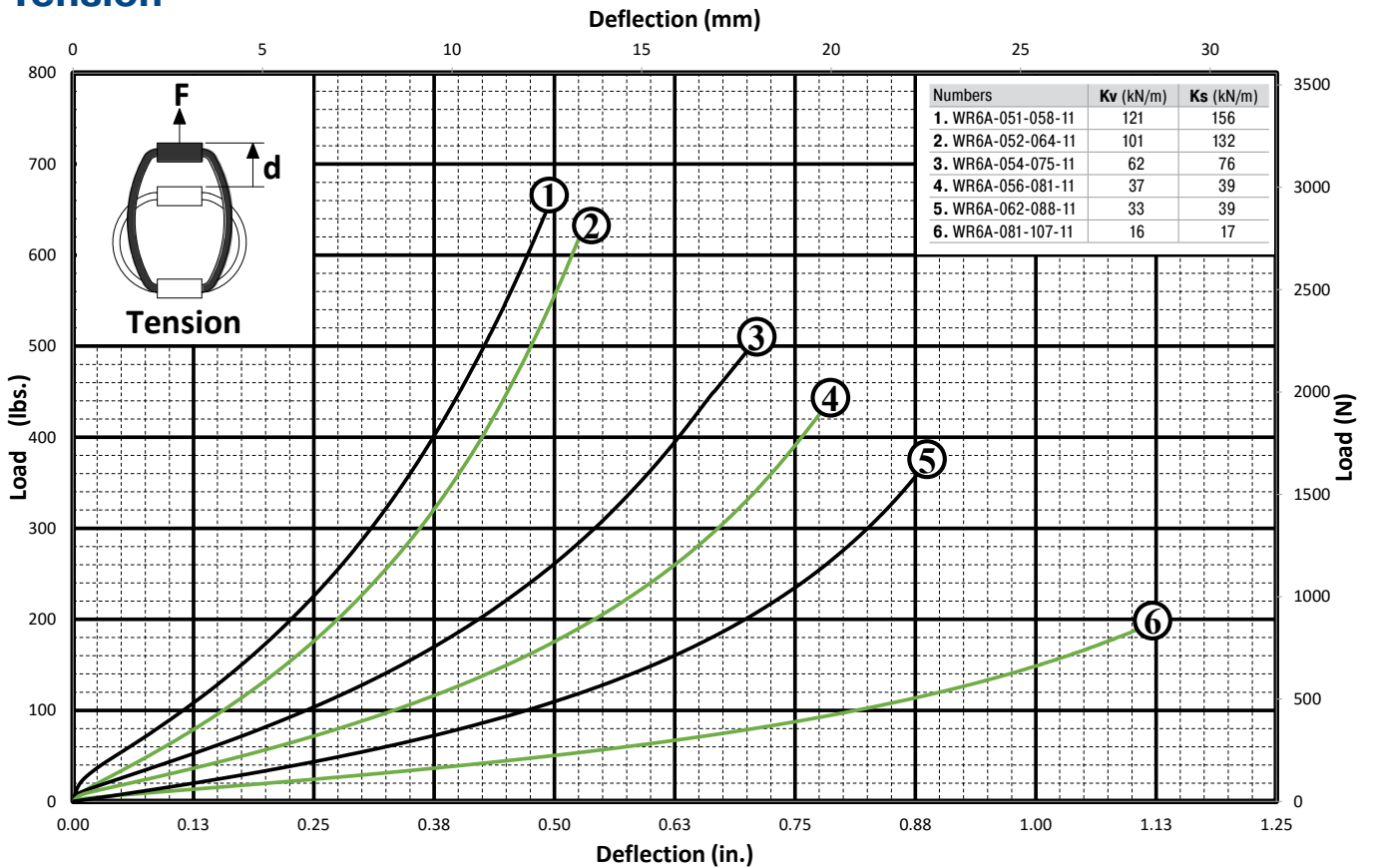


Issue 07.2020 – Specifications subject to change

Compression

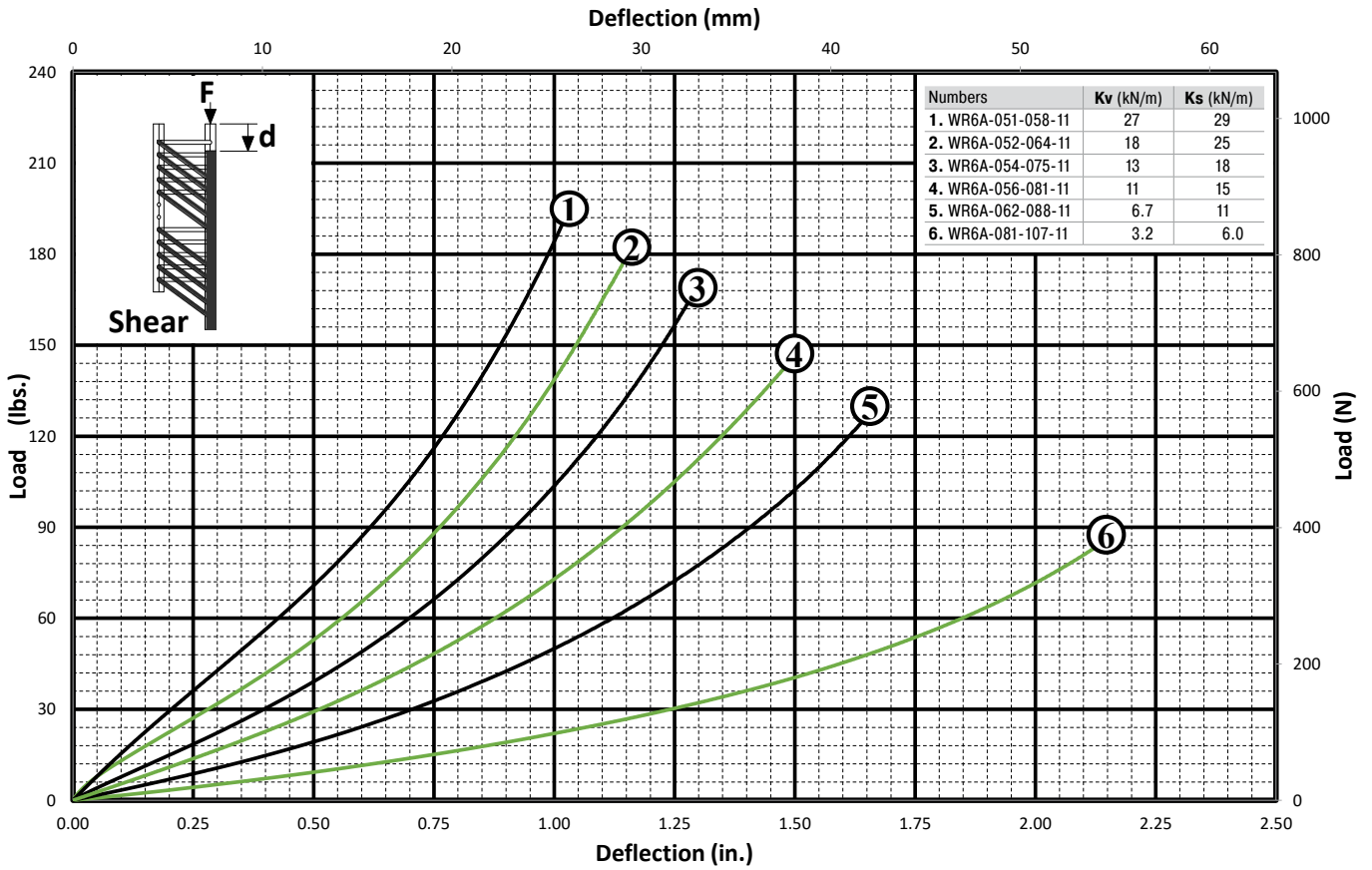


Tension

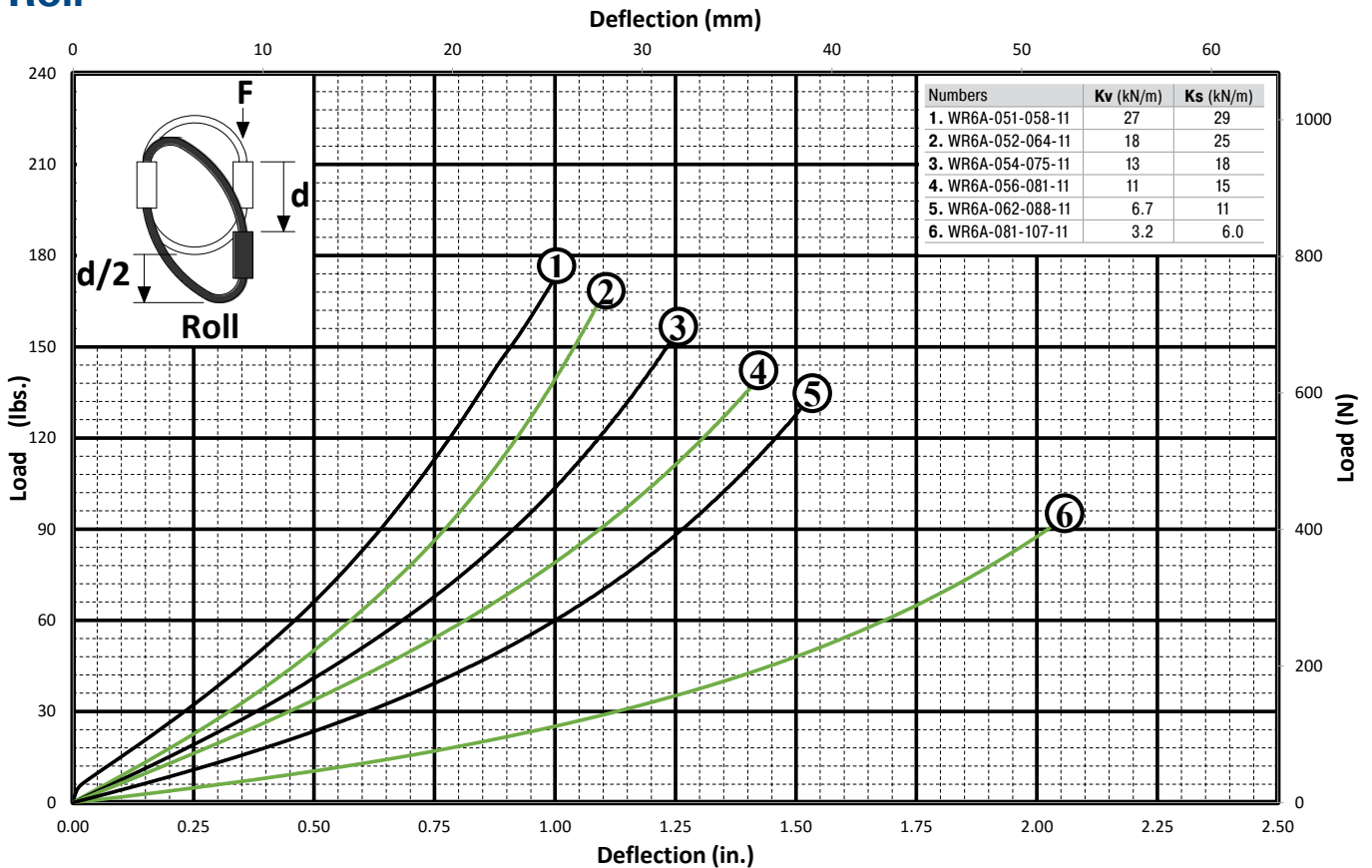


Issue 07.2020 – Specifications subject to change

Shear

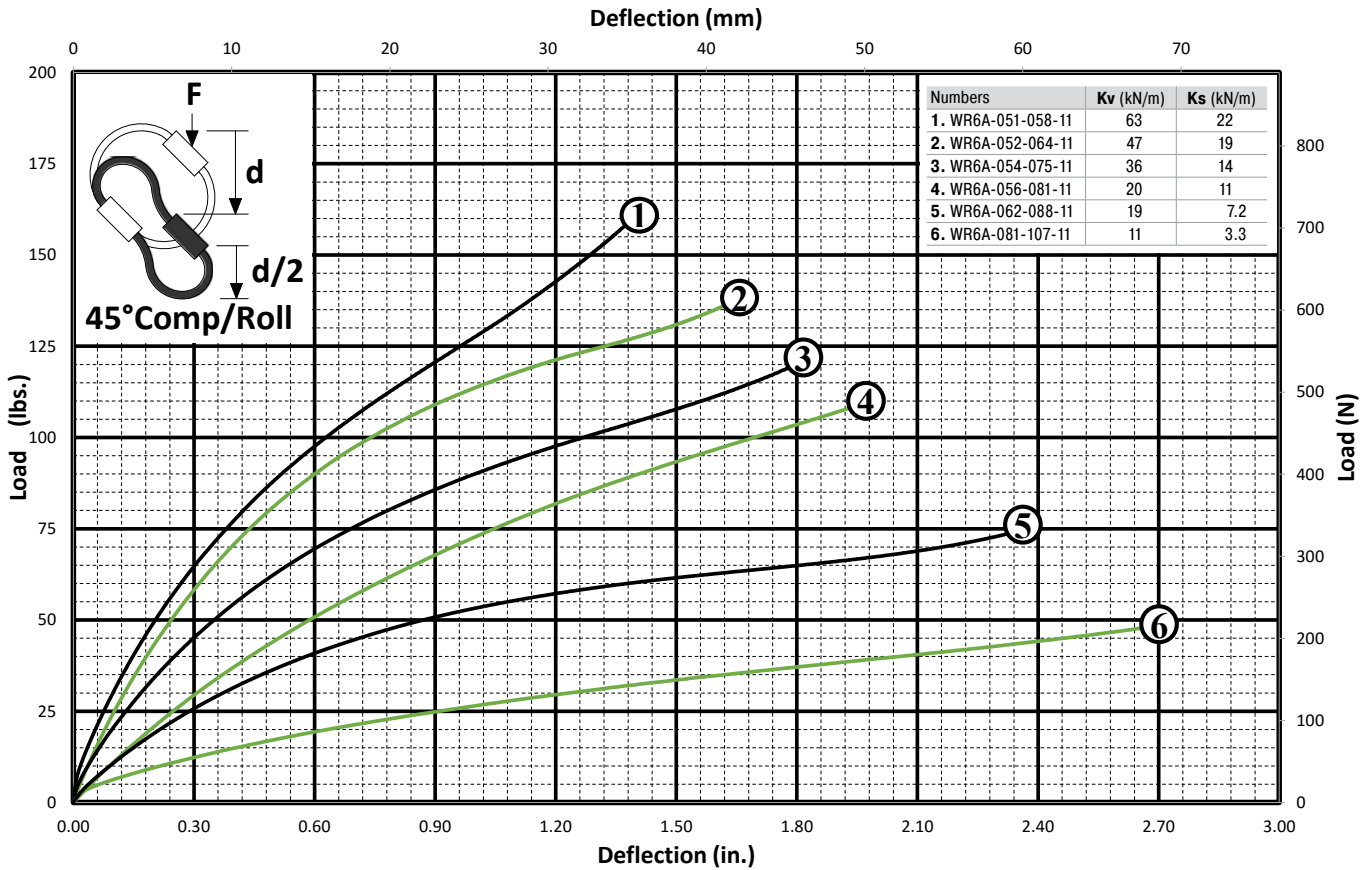


Roll

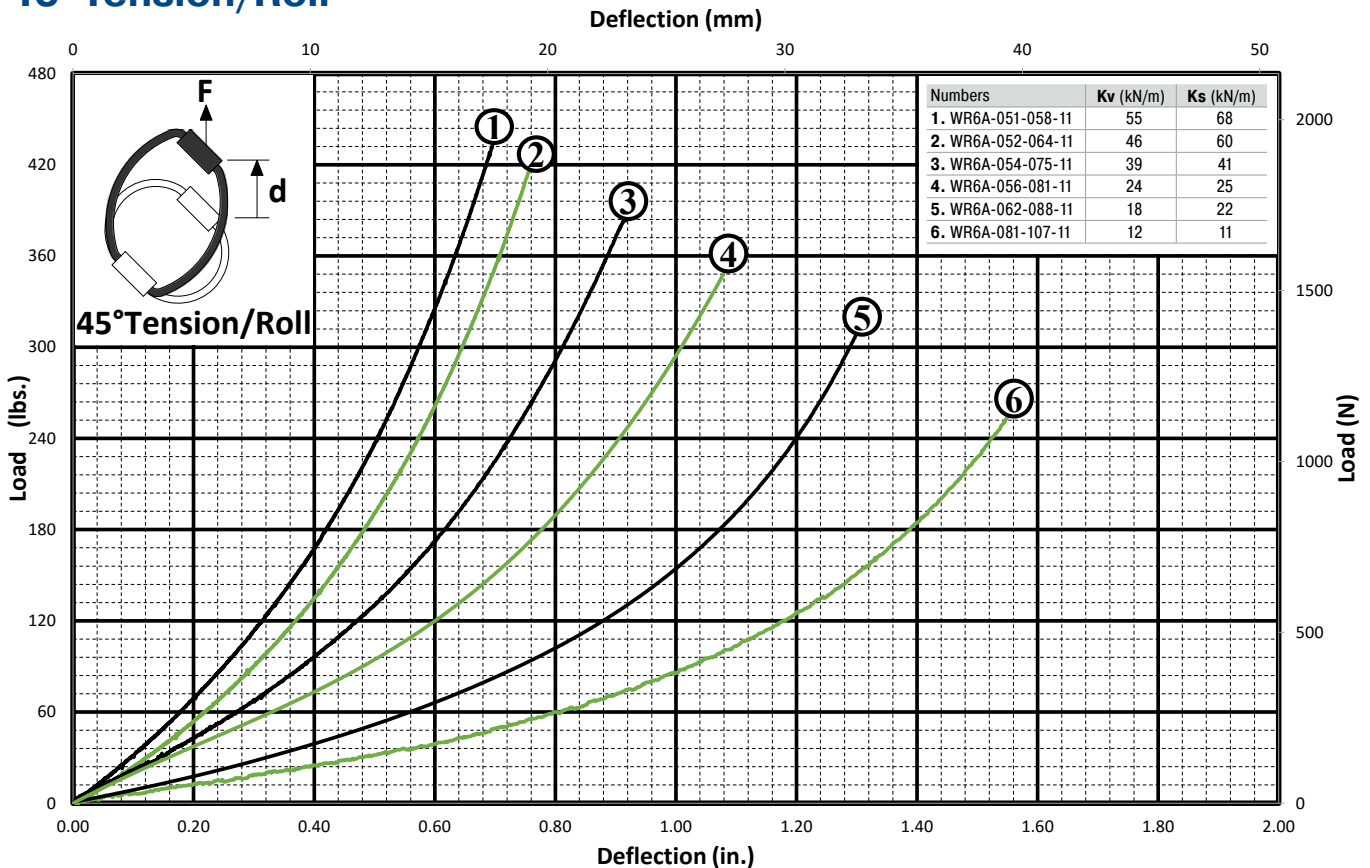


Issue 07.2020 – Specifications subject to change

45° Compression/Roll



45° Tension/Roll



Issue 07.2020 – Specifications subject to change

Product also available in stainless steel



WR6

Helical Isolator

4.76 mm (3/16") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

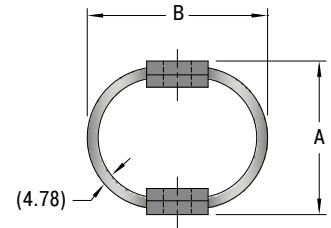
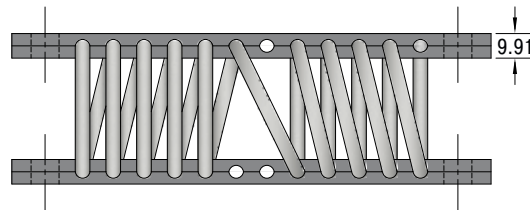
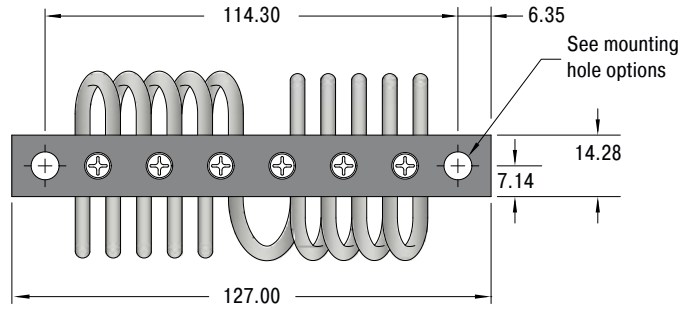
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-28
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.12 kg to Isolator weight for all stainless steel versions

On request

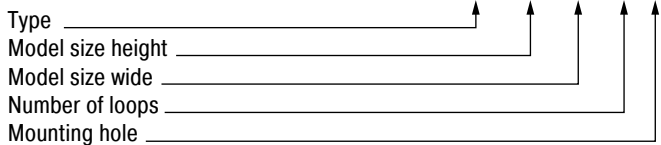
Special materials, size, mounting holes, finish, etc. available



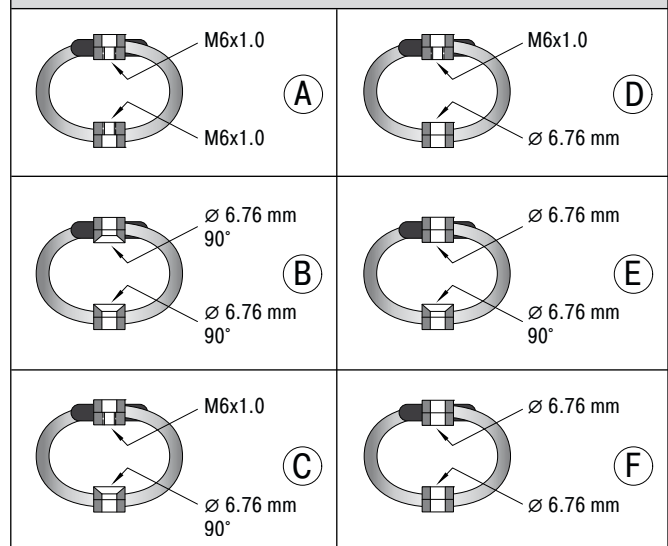
Performance

TYPES	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR6-031-036-10	30.5	35.6	336	319	10.2	110	138	10.2	0.167
WR6-033-038-10	33.0	38.1	278	248	11.4	100	123	11.4	0.170
WR6-036-041-10	35.6	40.6	251	223	12.7	73	90	12.7	0.176
WR6-038-043-10	38.1	43.2	219	187	15.2	63	82	15.2	0.182
WR6-041-046-10	40.6	45.7	168	138	17.8	51	65	17.8	0.187
WR6-043-048-10	43.2	48.2	129	103	20.3	39	54	20.3	0.193
WR6-048-053-10	48.2	53.3	89	67	25.4	28	35	25.4	0.210
WR6-051-058-10	51.0	58.4	75	57	27.9	21	30	27.9	0.221

Ordering Example

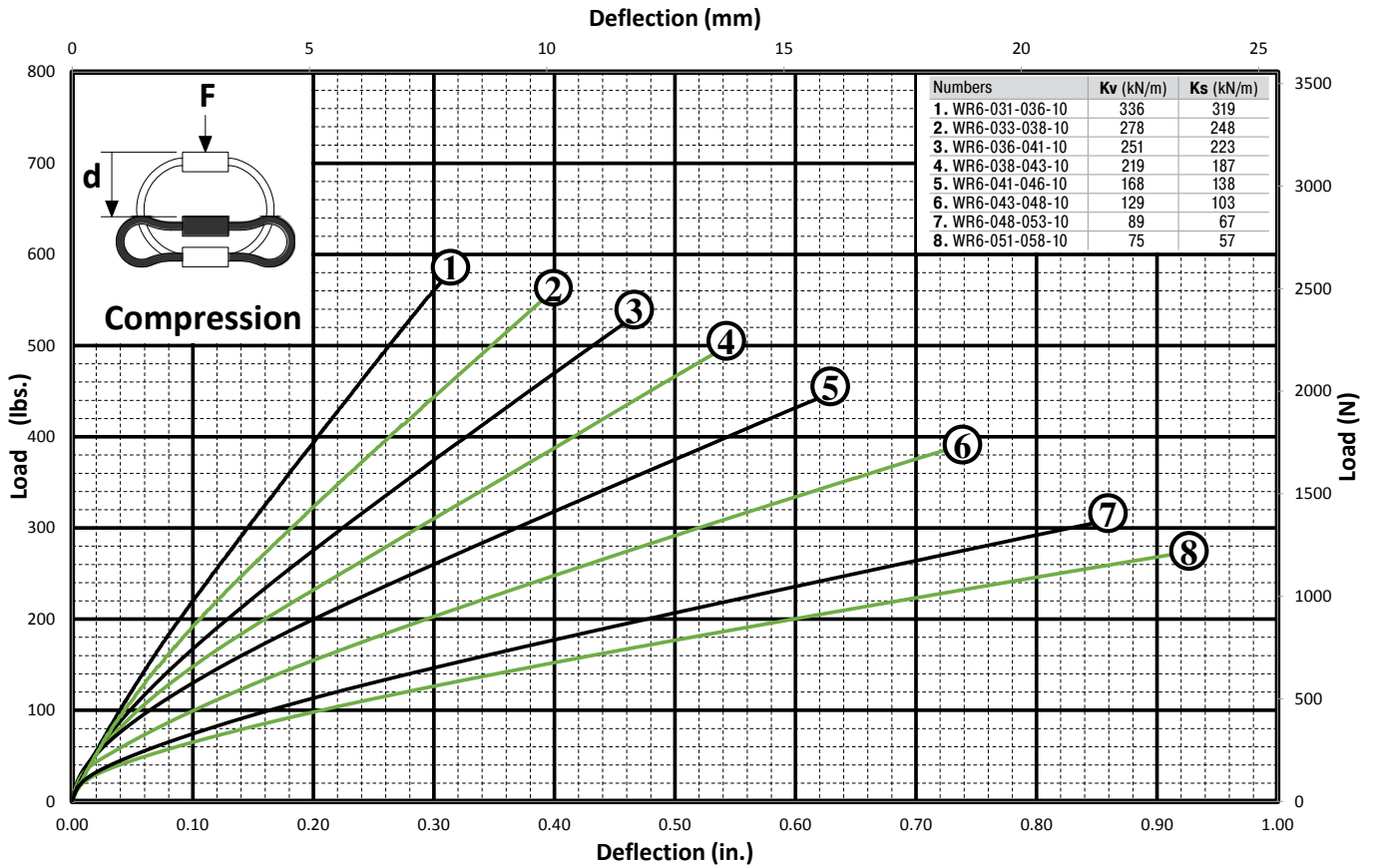


Mounting Hole Options

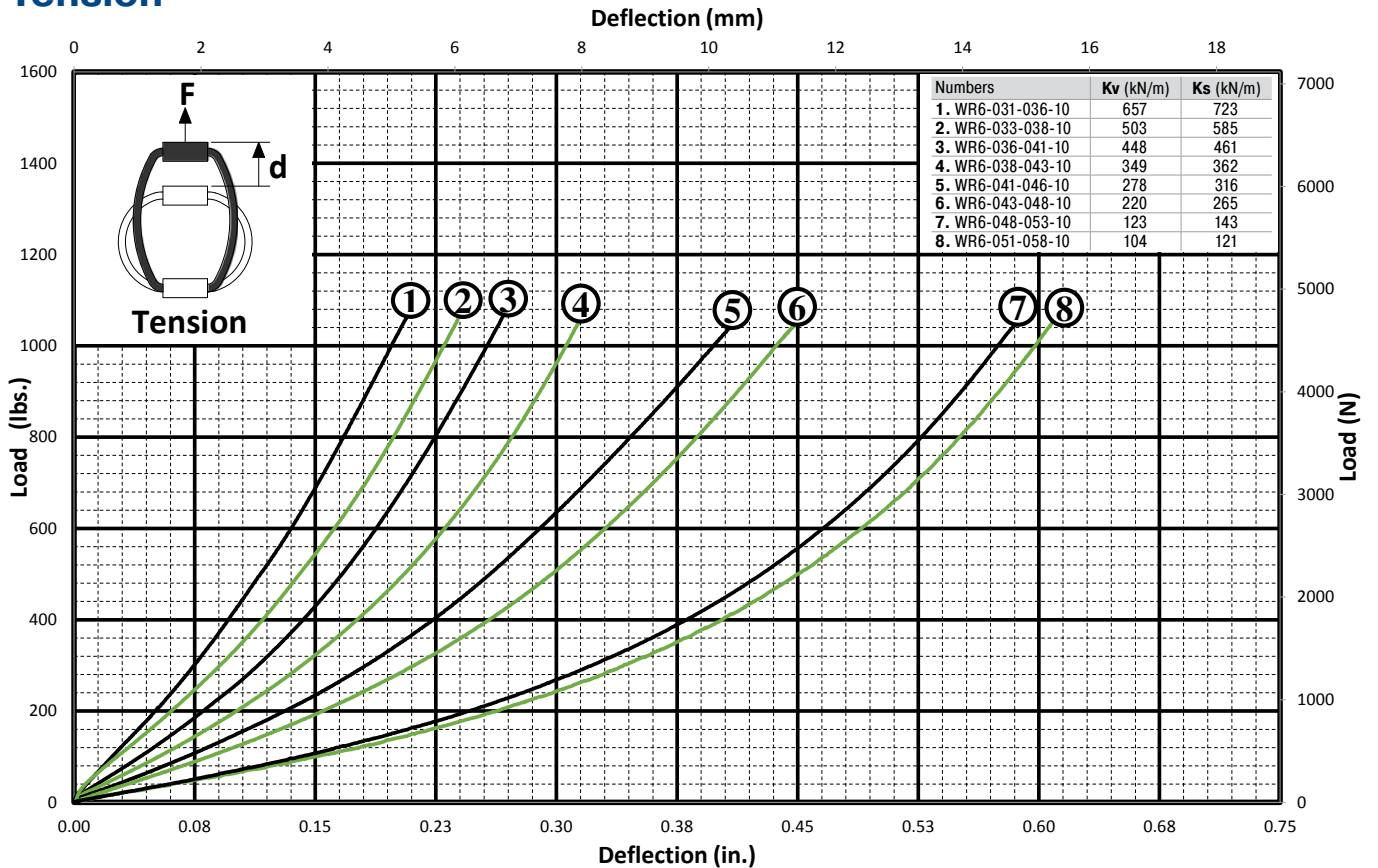


Issue 07.2020 – Specifications subject to change

Compression



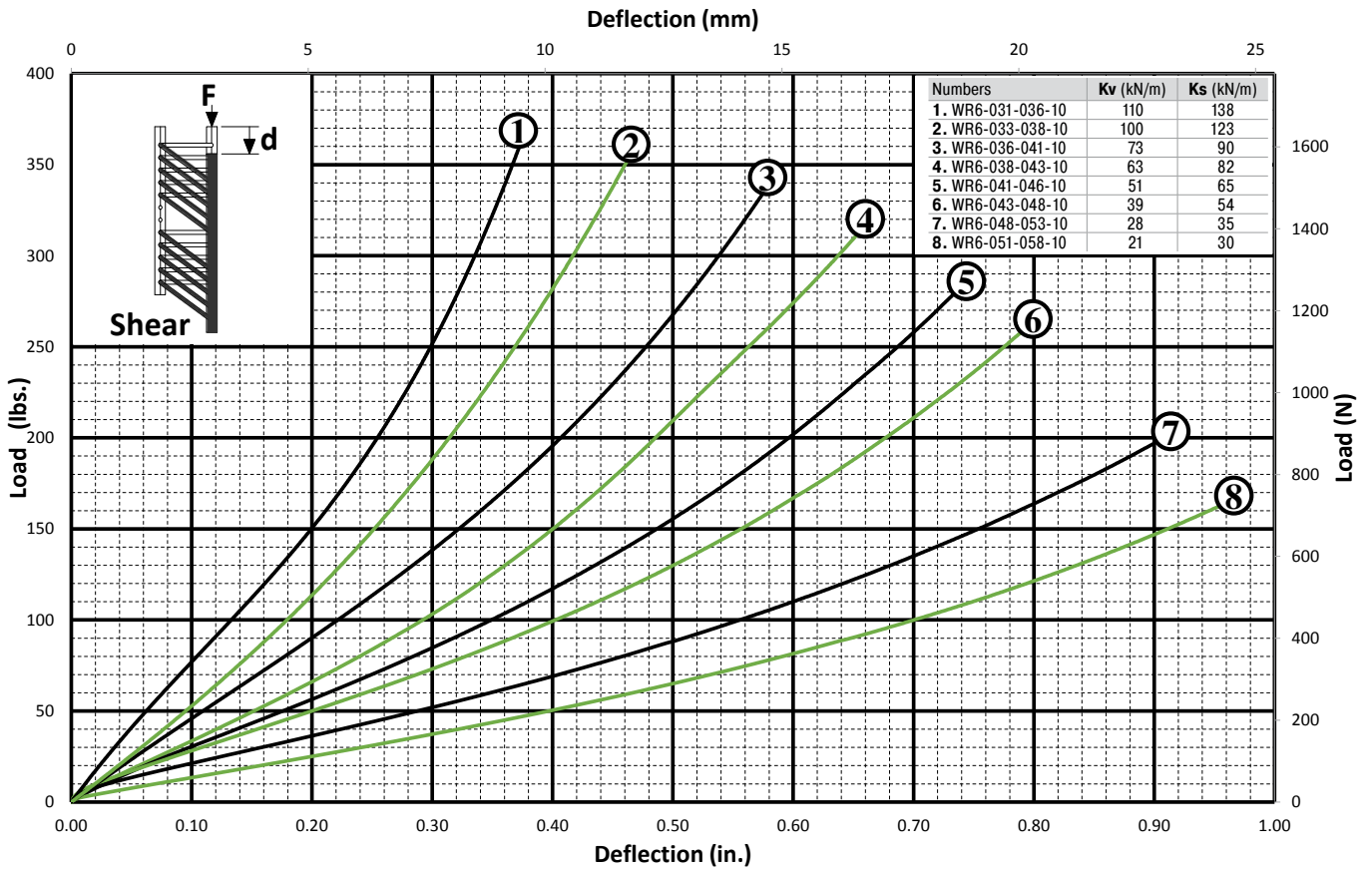
Tension



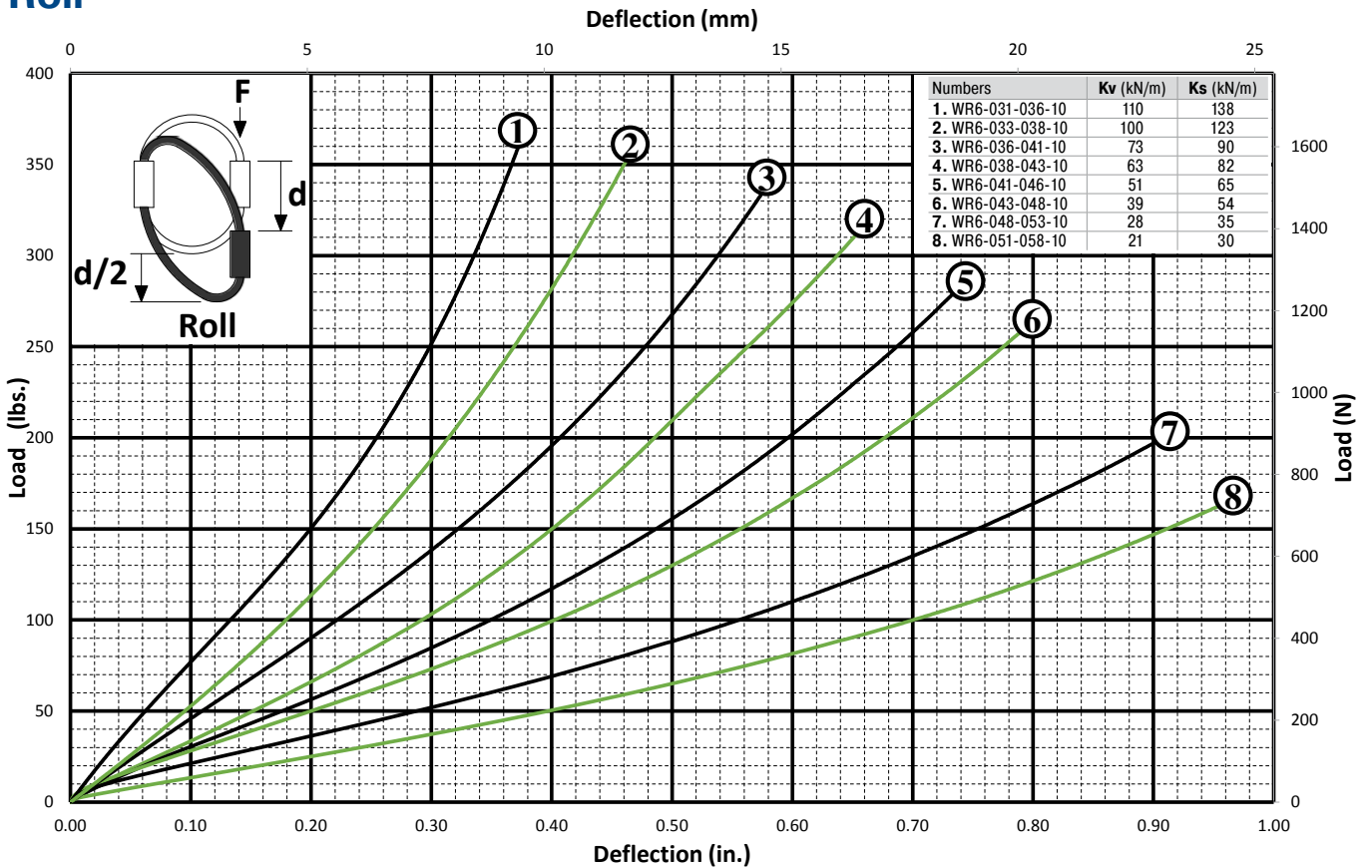
Issue 07.2020 – Specifications subject to change

Helical Isolator, 4.76 mm (3/16") Diameter Cable

Shear

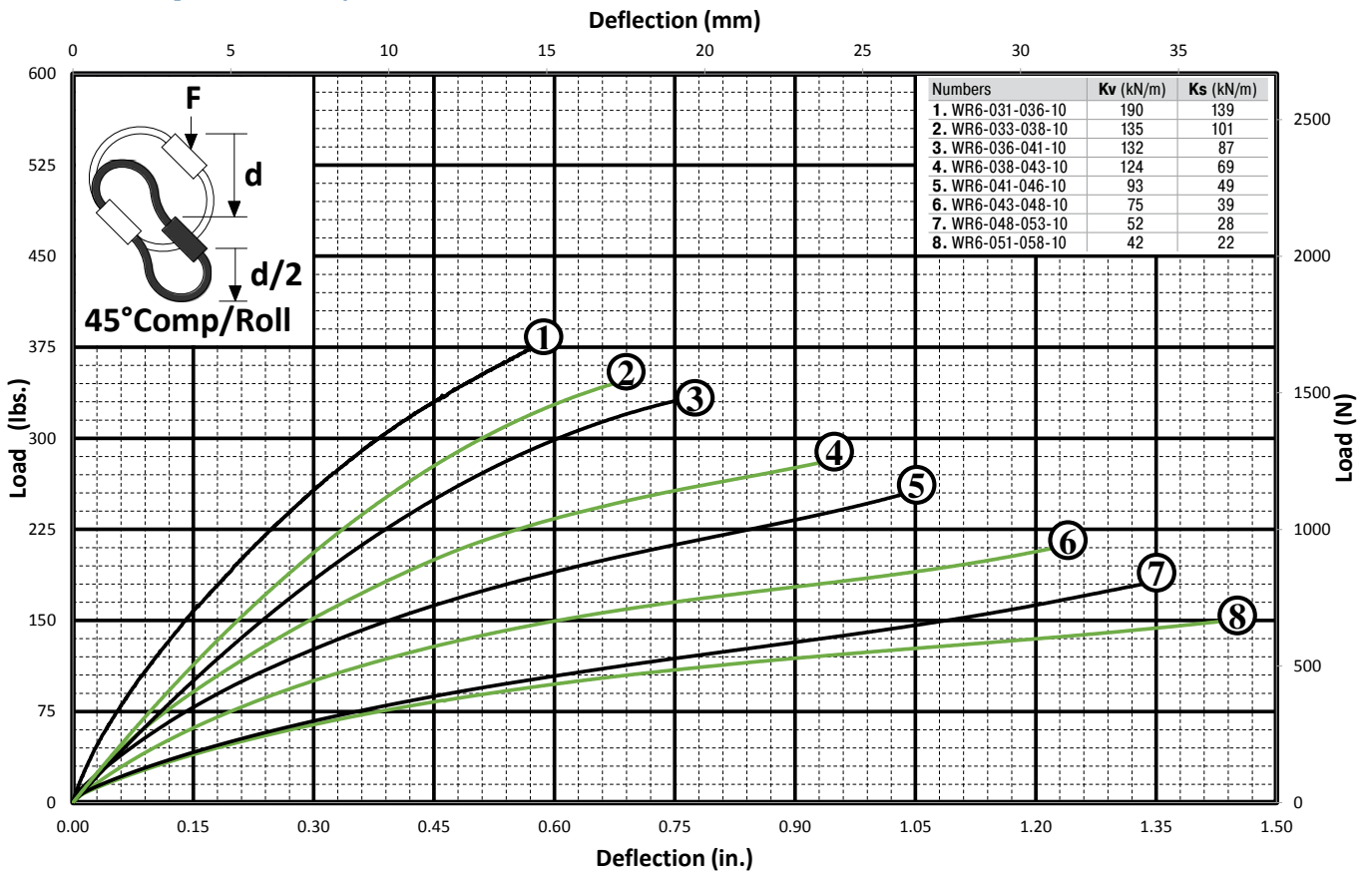


Roll

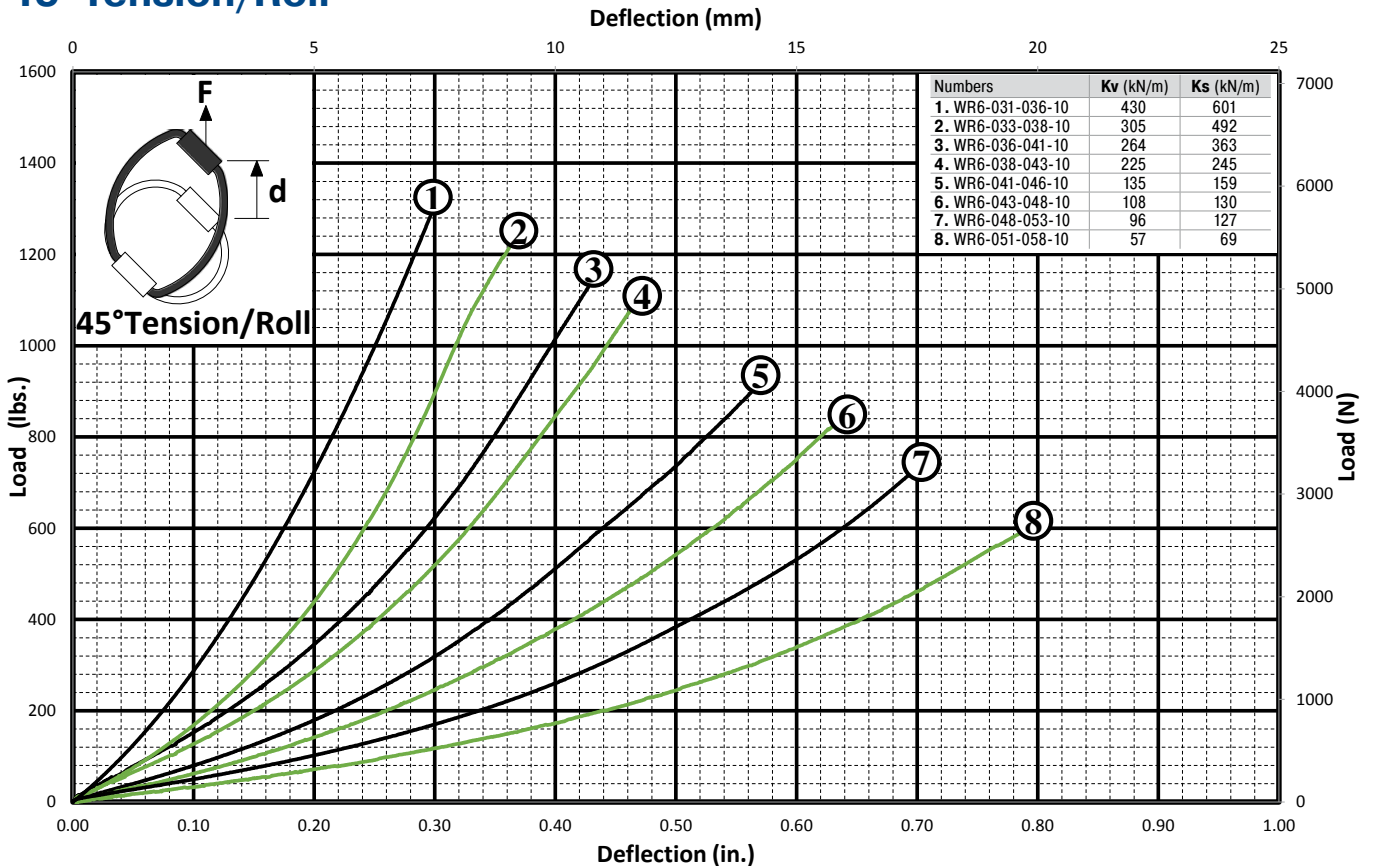


Issue 07.2020 – Specifications subject to change

45° Compression/Roll



45° Tension/Roll



Issue 07.2020 – Specifications subject to change

Product also available in stainless steel



WR8

Helical Isolator

6.35 mm (1/4") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

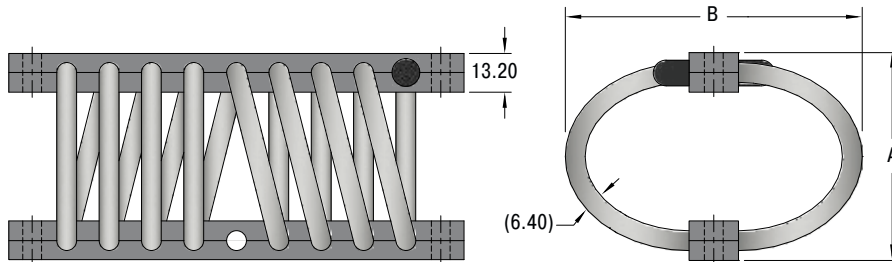
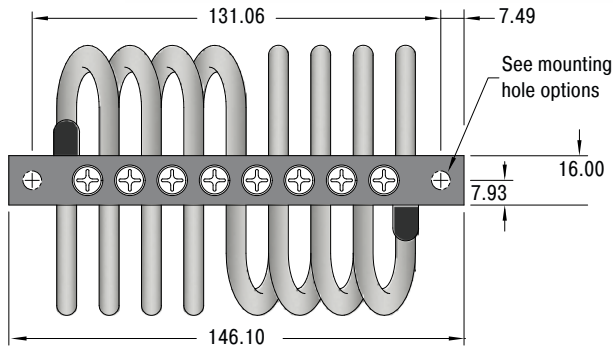
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.20 kg to Isolator weight for all stainless steel versions

On request

Special materials, size, mounting holes, finish, etc. available

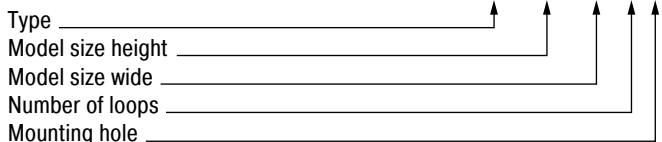


Performance

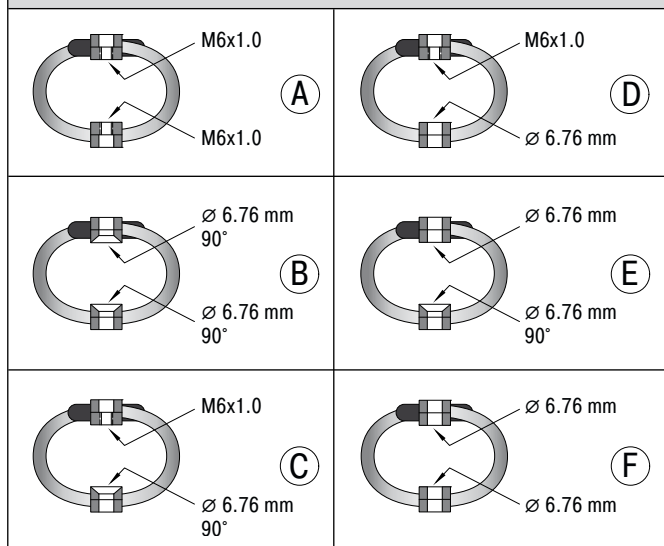
TYPES	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR8-048-056-8	48.4	55.9	222	168	17.8	69	76	17.8	0.318
WR8-054-064-8	54.1	63.5	163	121	22.9	67	55	22.9	0.346
WR8-059-071-8	58.7	71.1	116	78	27.9	42	39	27.9	0.358
WR8-062-080-8	62.2	79.5	77	53	31.8	31	28	31.8	0.389
WR8-065-089-8	64.8	88.9	51	37	34.3	22	19	34.3	0.426
WR8-066-095-8	66.0	95.3	50	36	35.6	18	18	35.6	0.443
WR8-069-100-8	68.6	100.3	37	25	38.1	15	14	38.1	0.454
WR8-083-108-8	82.6	108.0	27	17	52.1	9.3	9.3	52.1	0.494

Ordering Example

WR8-048-056-8-A

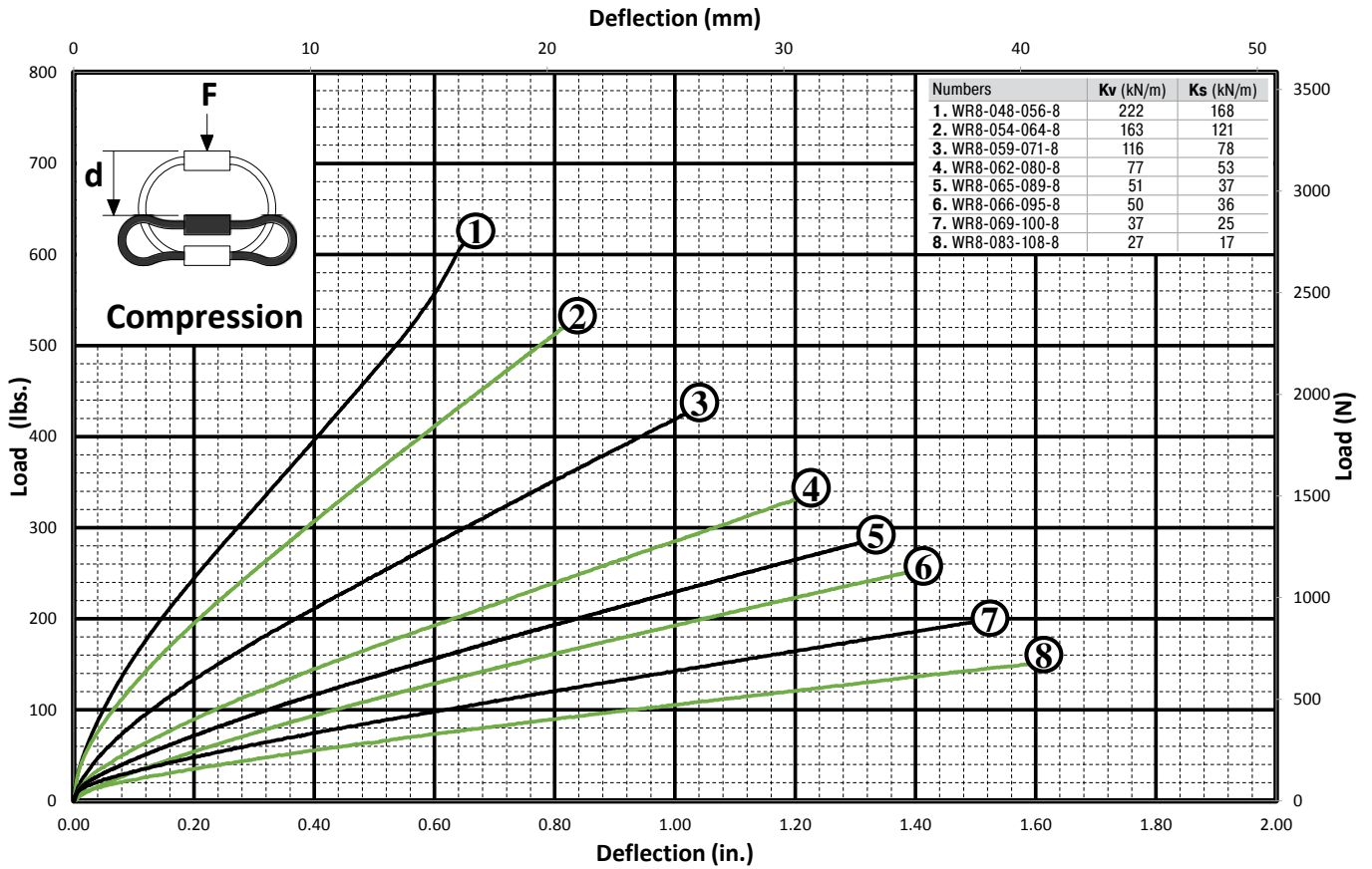


Mounting Hole Options

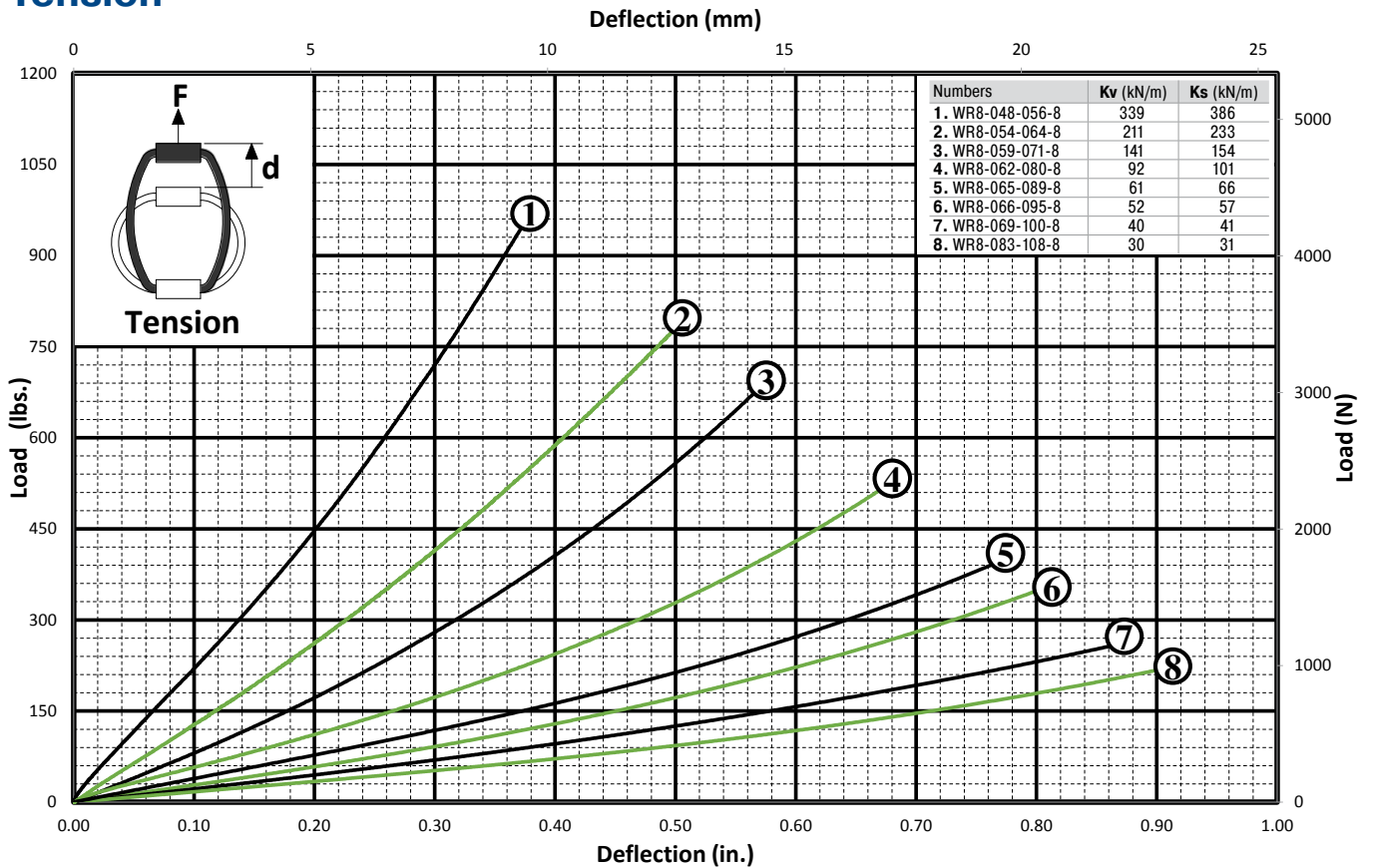


Issue 07.2020 – Specifications subject to change

Compression

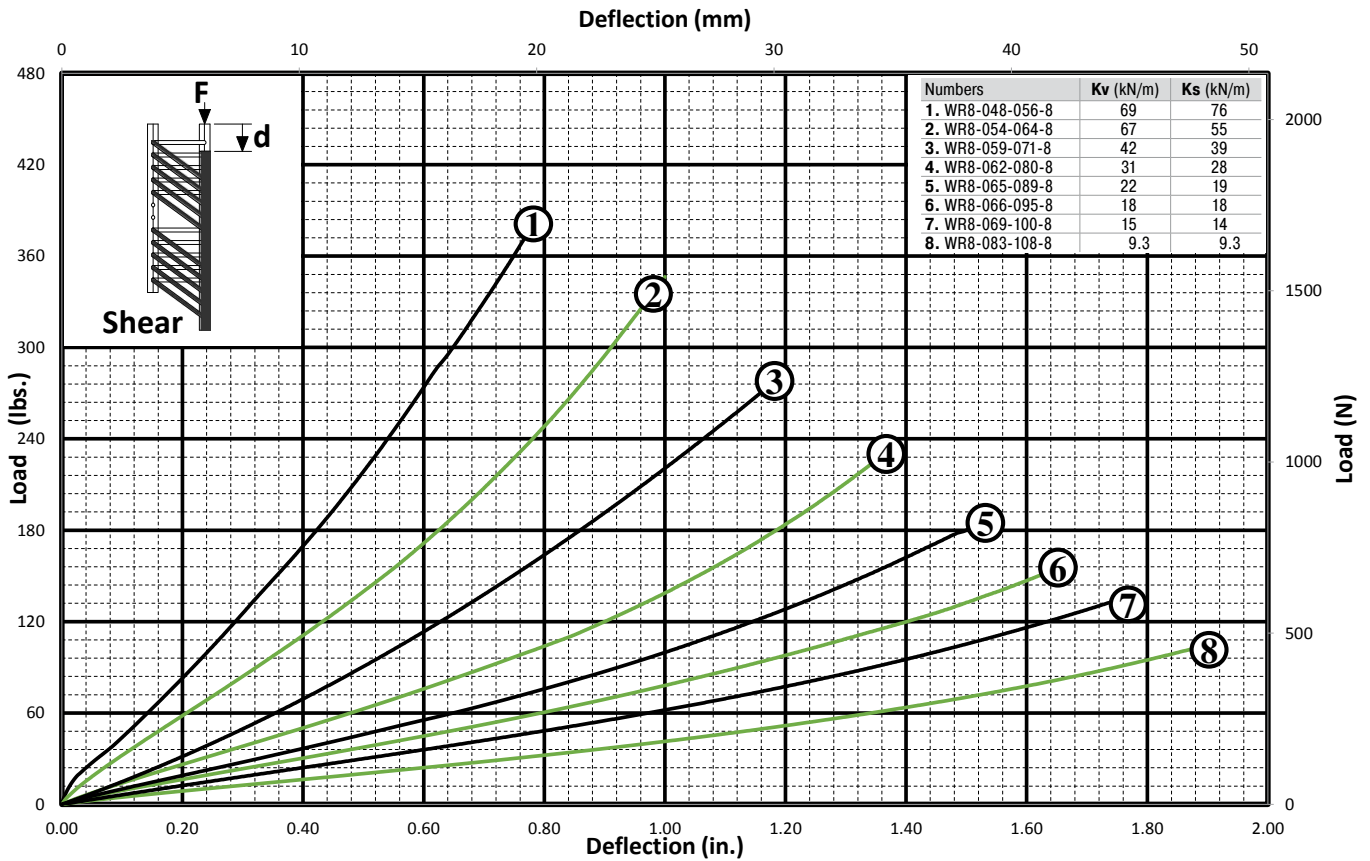


Tension

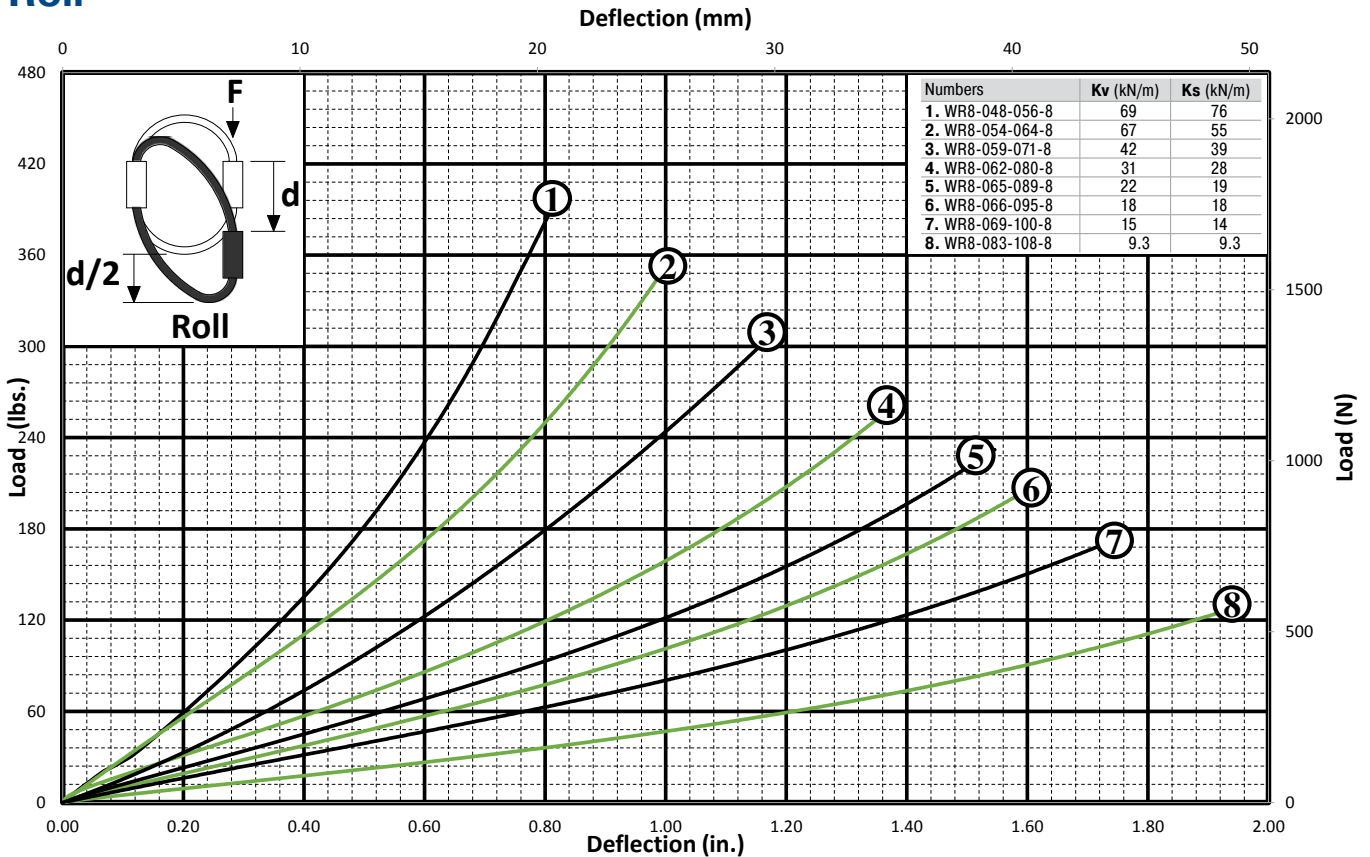


Issue 07.2020 – Specifications subject to change

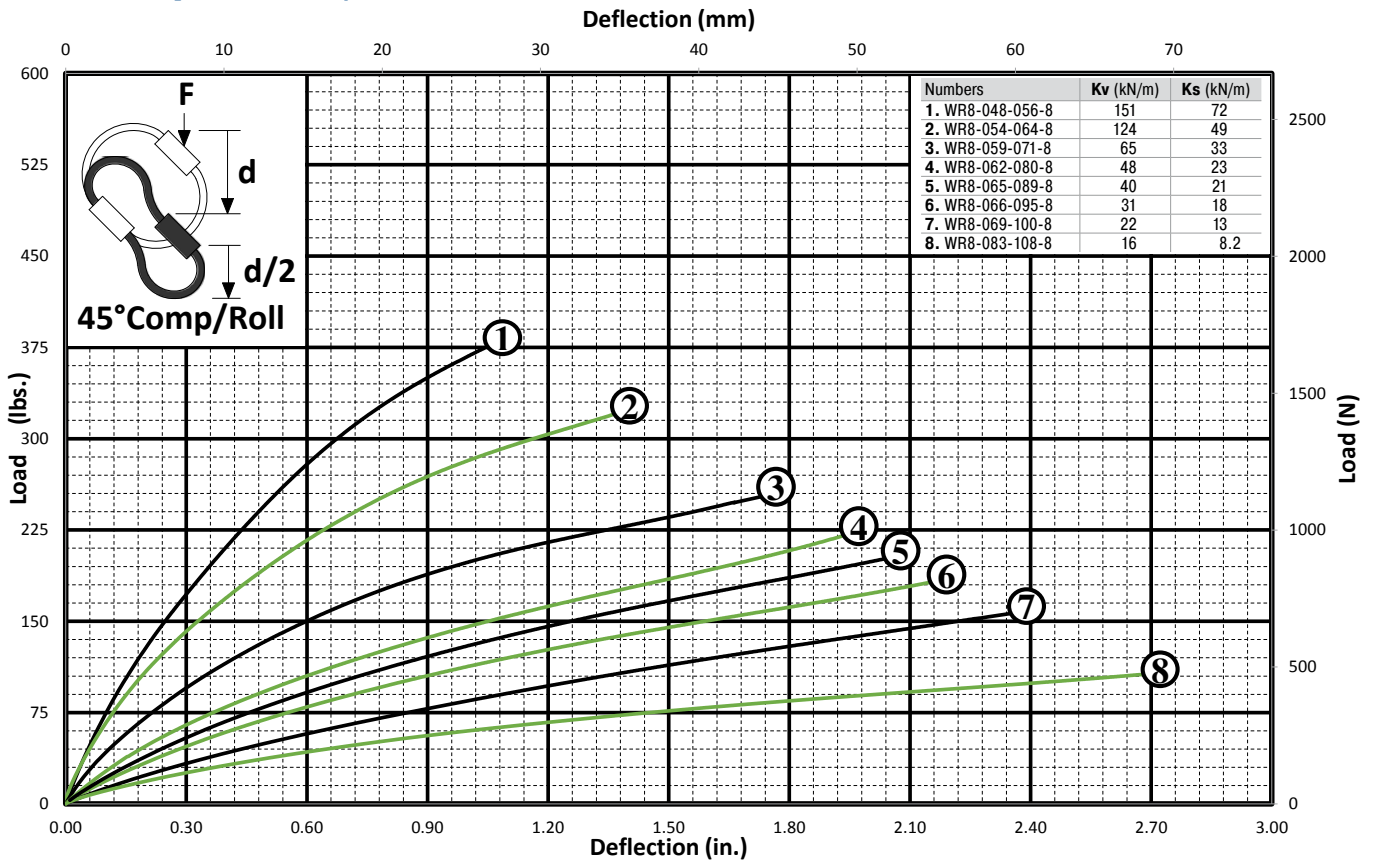
Shear



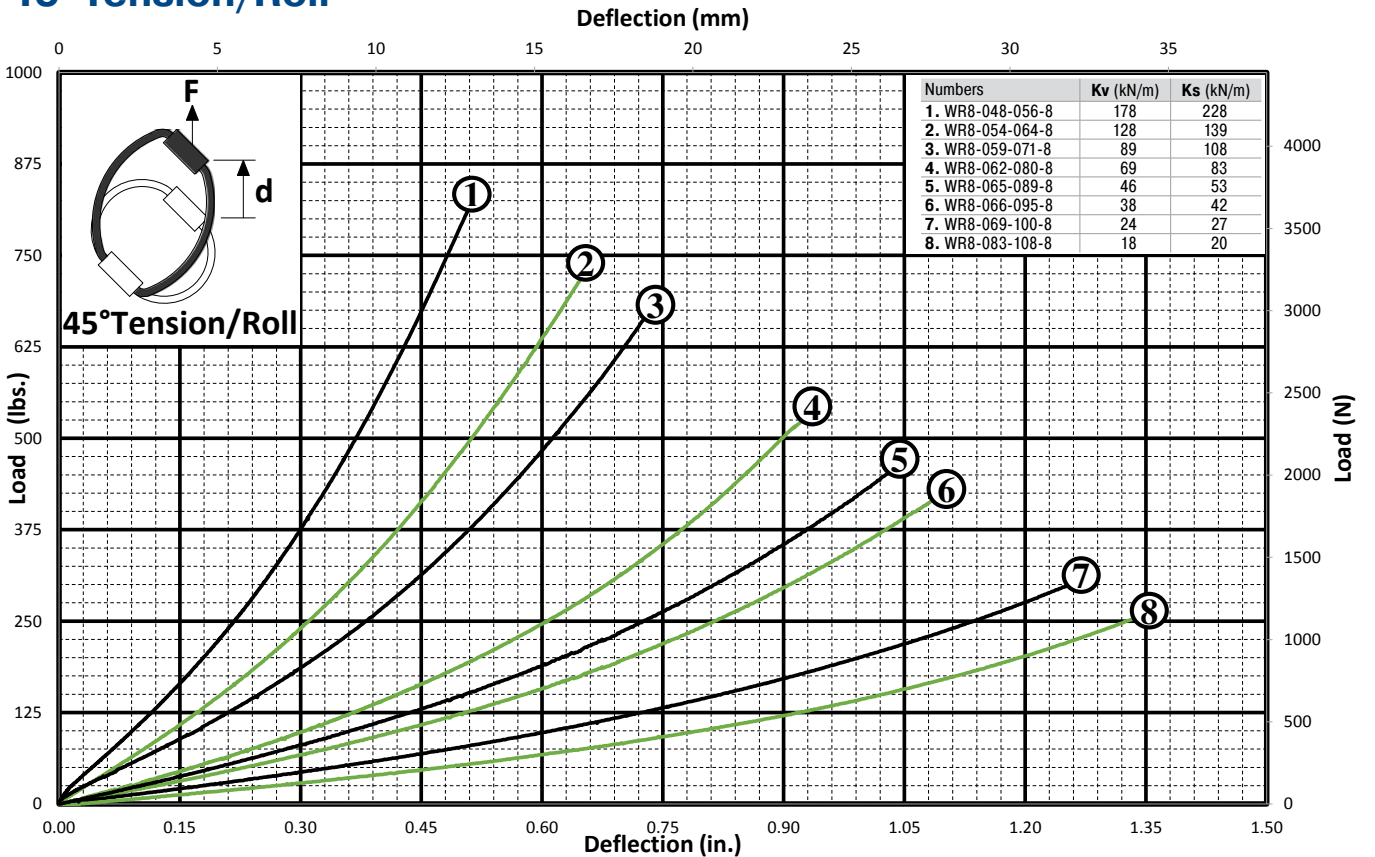
Roll



45° Compression/Roll



45° Tension/Roll



Issue 07.2020 – Specifications subject to change

Product also available in stainless steel



WR10

Helical Isolator

7.94 mm (5/16") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

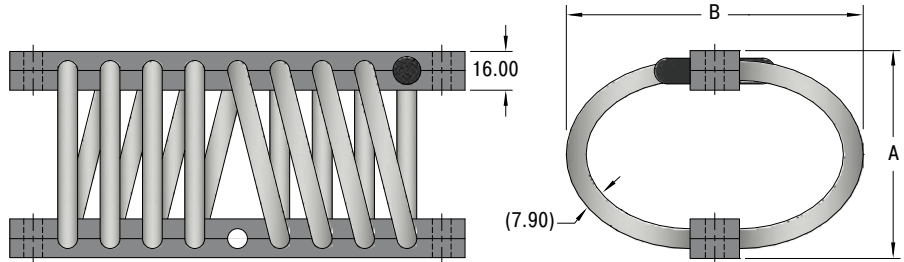
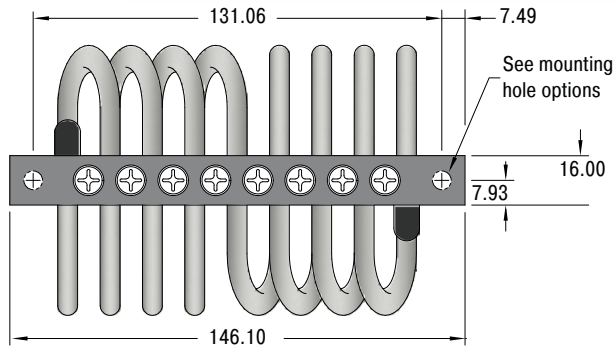
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.26 kg to Isolator weight for all stainless steel versions

On request

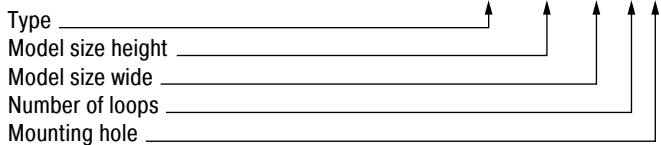
Special materials, size, mounting holes, finish, etc. available



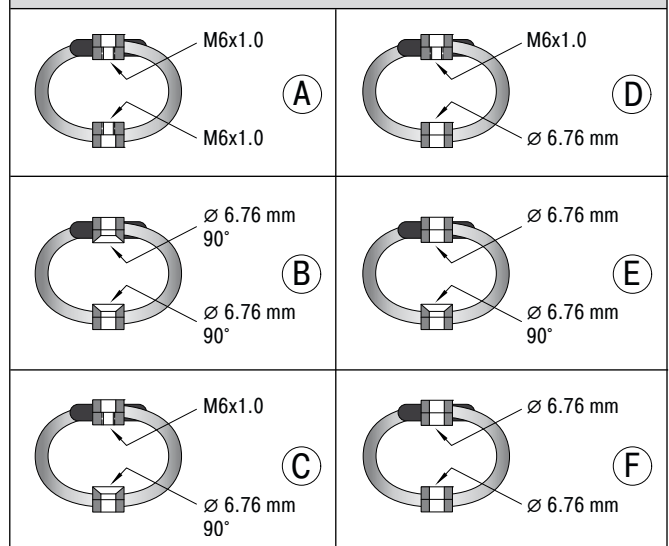
Performance

TYPES	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR10-055-059-8	54.6	59.2	432	328	17.8	128	173	17.8	0.486
WR10-061-067-8	60.5	66.8	335	214	24.1	96	105	24.1	0.495
WR10-065-074-8	65.0	74.4	189	141	29.2	77	87	29.2	0.522
WR10-069-083-8	68.6	82.8	168	115	31.8	51	62	31.8	0.568
WR10-071-092-8	71.1	92.2	114	81	34.3	38	41	34.3	0.608
WR10-072-099-8	72.4	98.6	95	68	35.6	36	38	35.6	0.631
WR10-075-104-8	74.9	103.6	83	59	38.1	29	31	38.1	0.654
WR10-089-111-8	88.9	111.3	61	39	52.1	18	21	52.1	0.717

Ordering Example

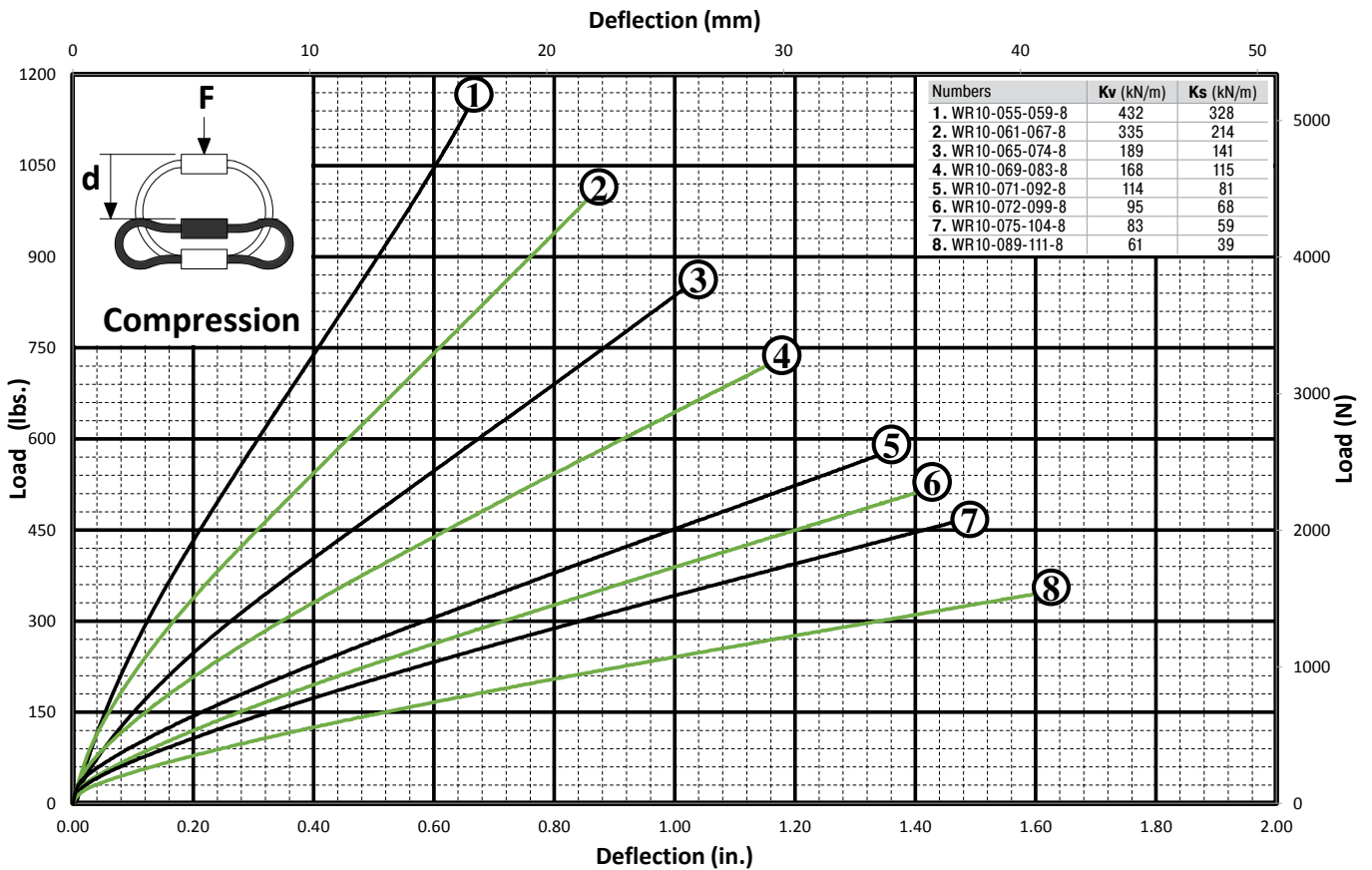


Mounting Hole Options

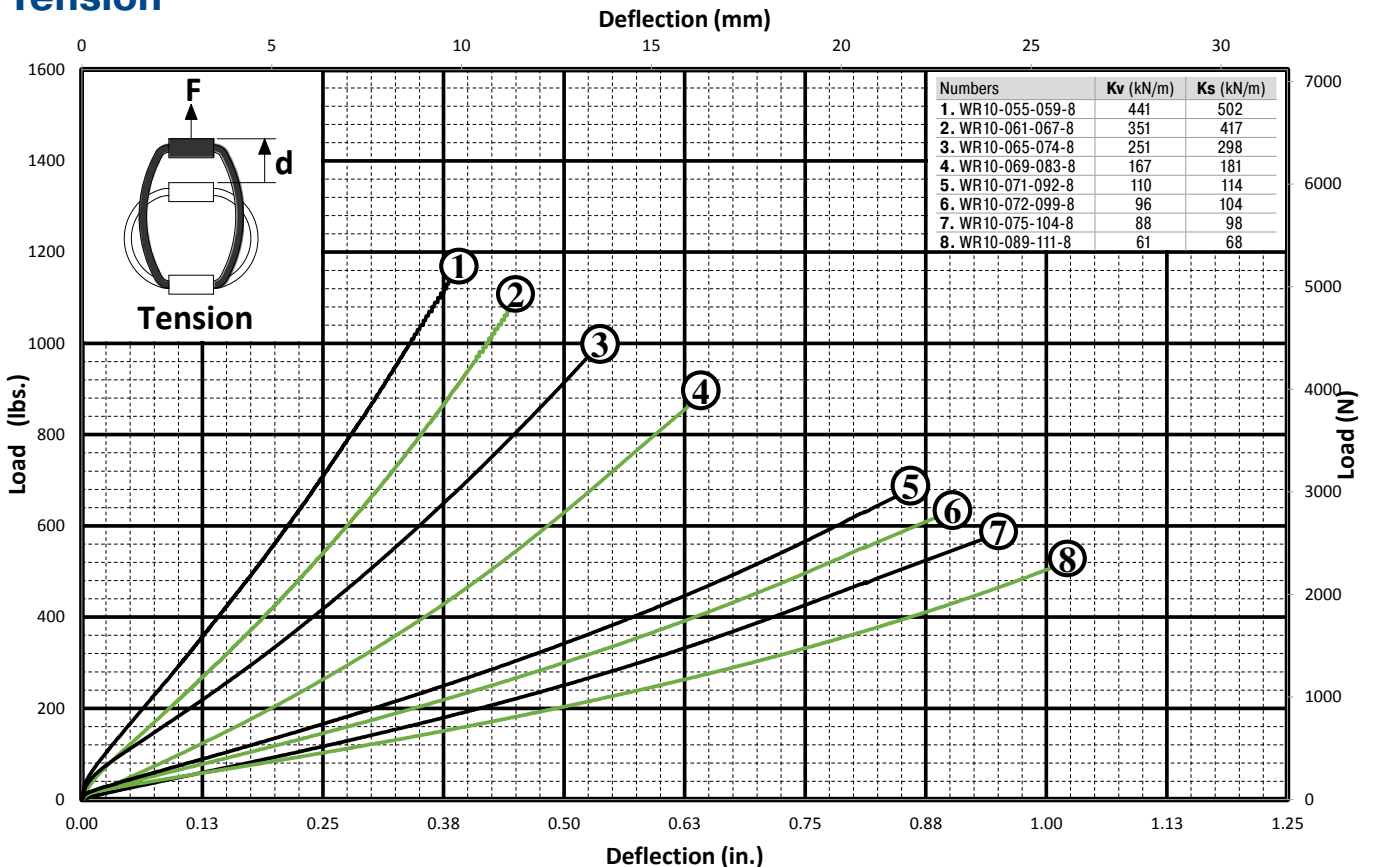


Issue 07.2020 – Specifications subject to change

Compression

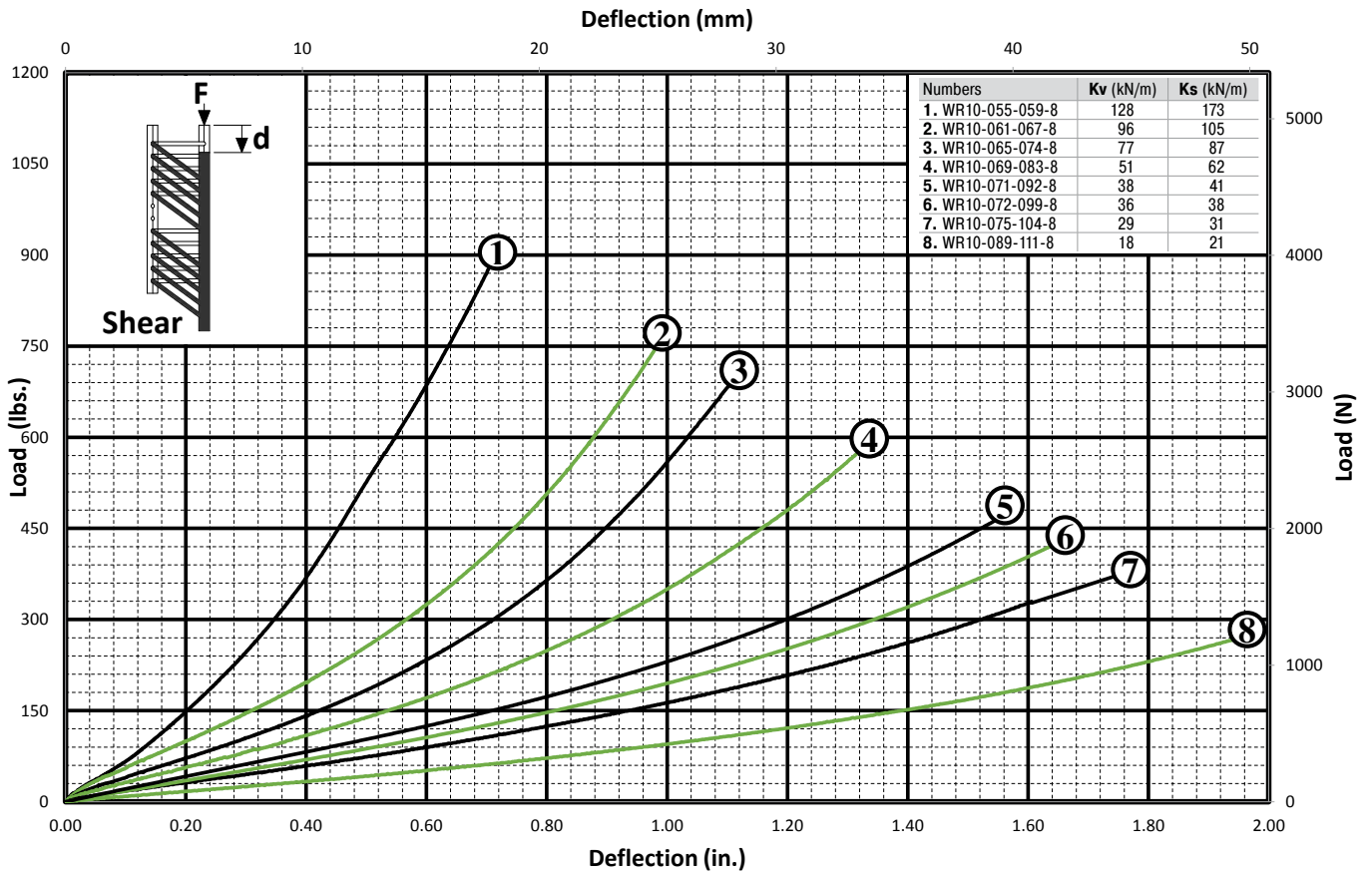


Tension

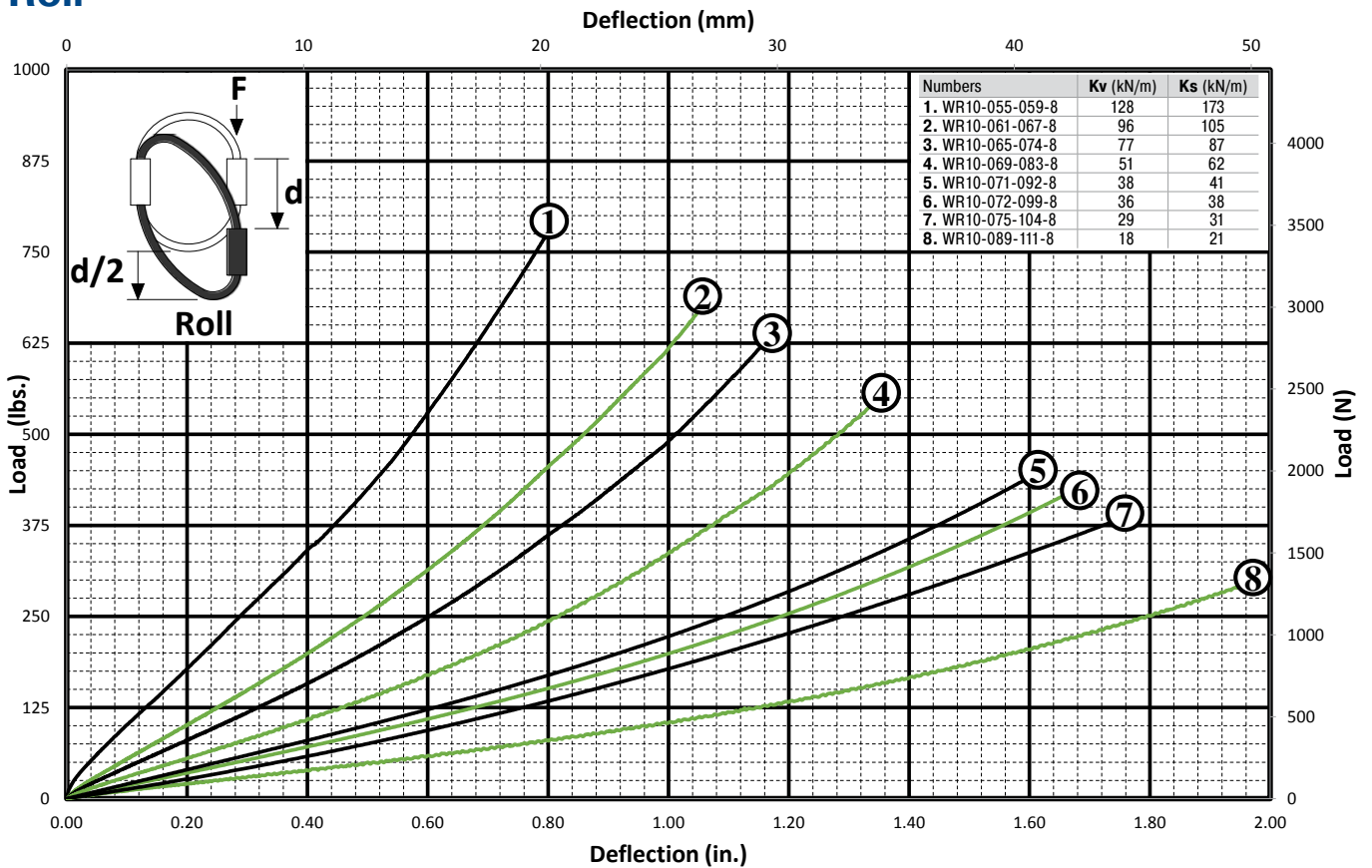


Issue 07.2020 – Specifications subject to change

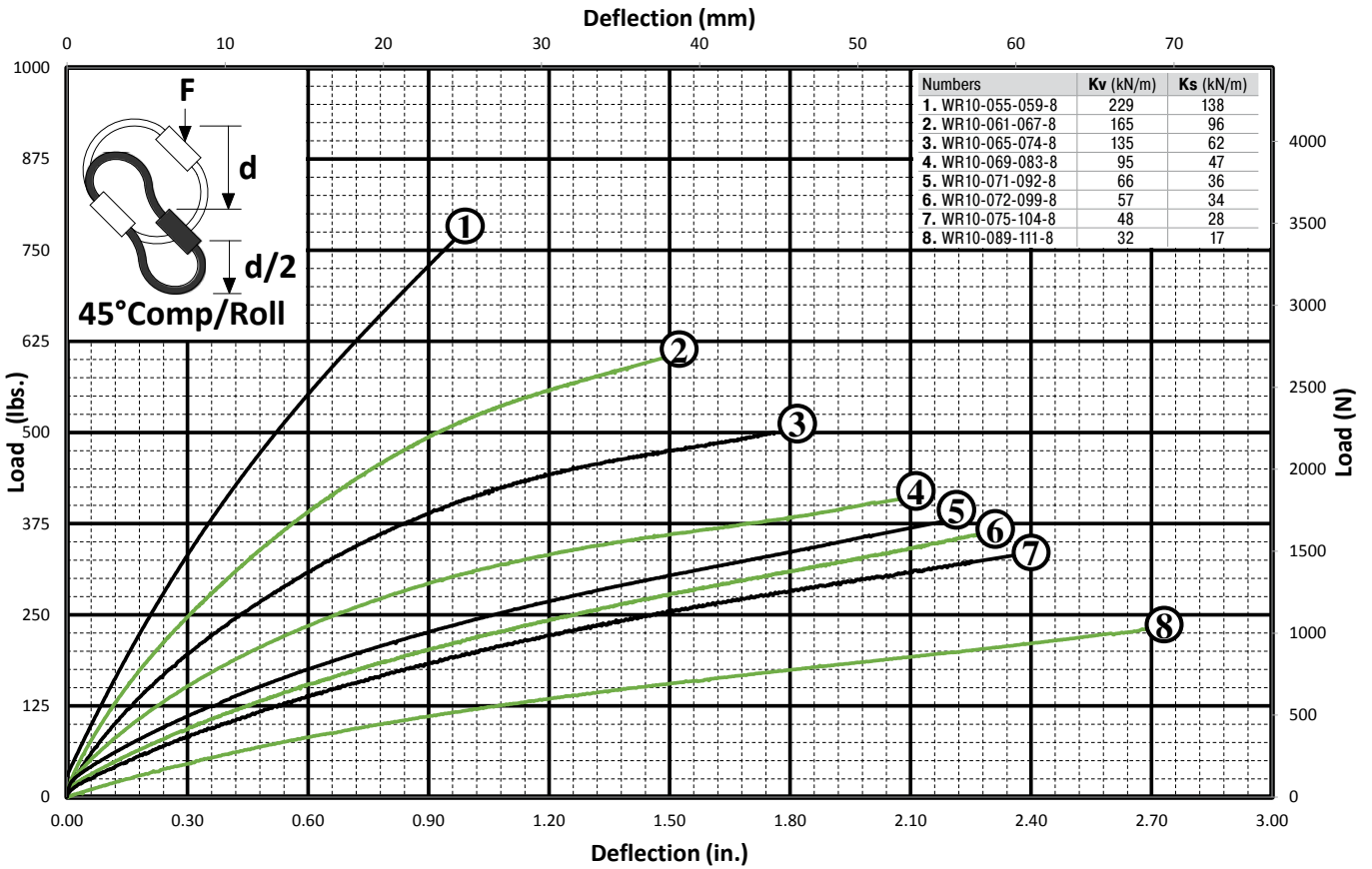
Shear



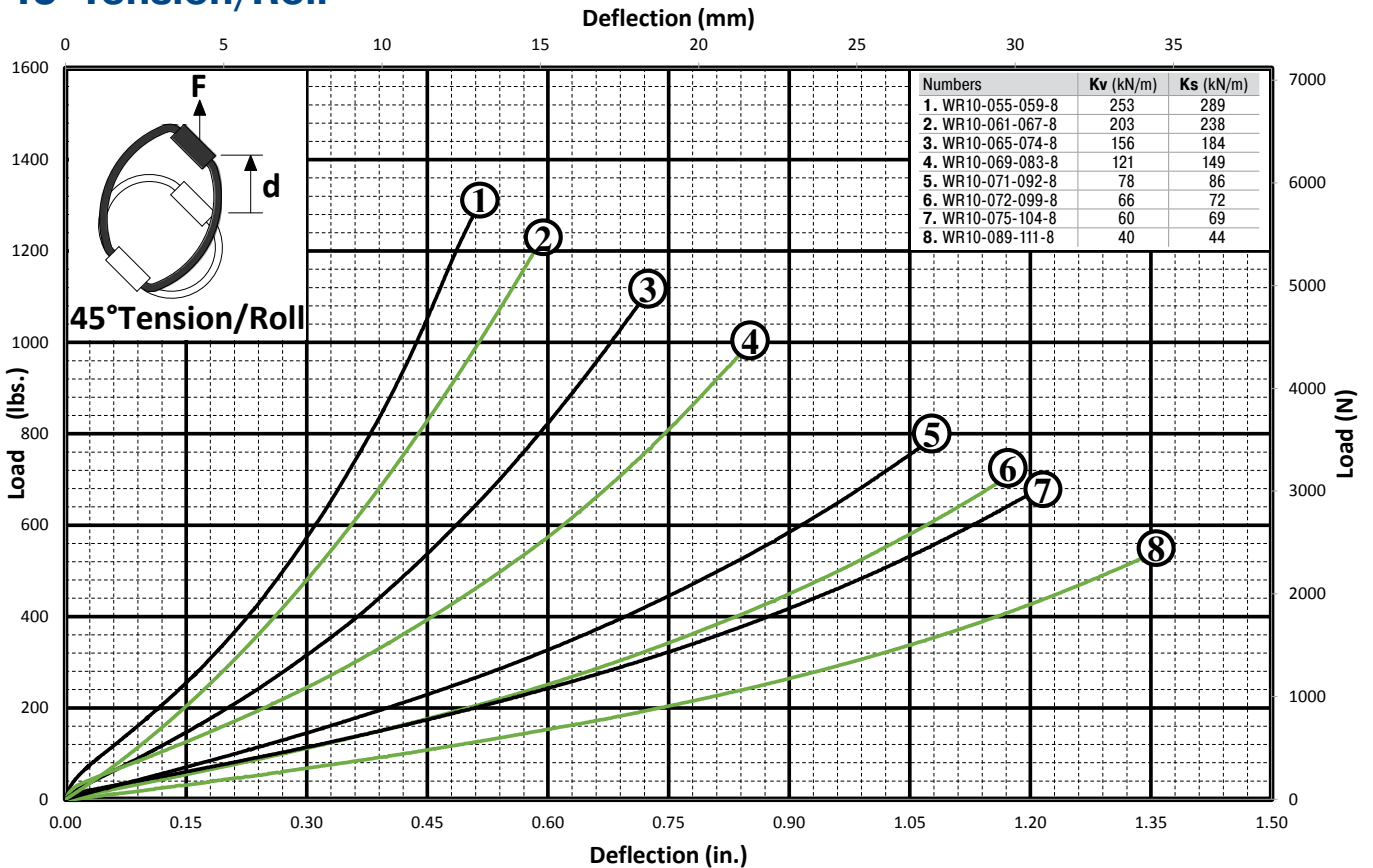
Roll



45° Compression/Roll



45° Tension/Roll



Issue 07.2020 – Specifications subject to change

Product also available in stainless steel



WR12A

Helical Isolator

9.53 mm (3/8") Diameter Cable

Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

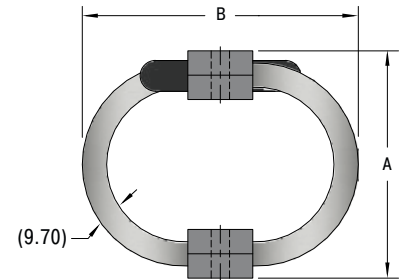
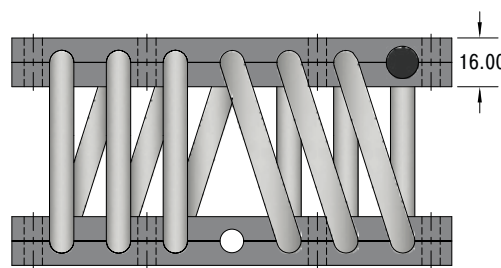
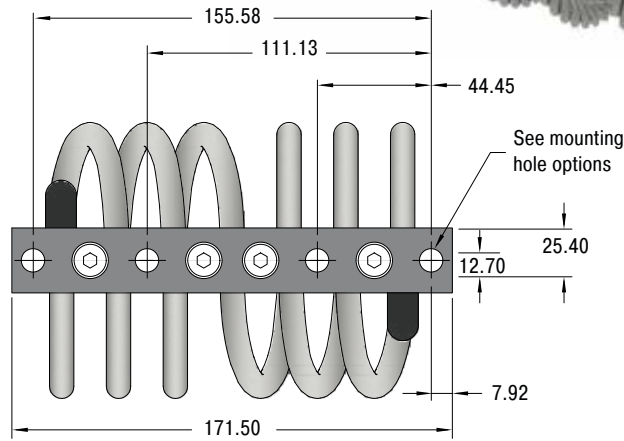
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.51 kg to Isolator weight for all stainless steel versions

On request

Special materials, size, mounting holes, finish, etc. available

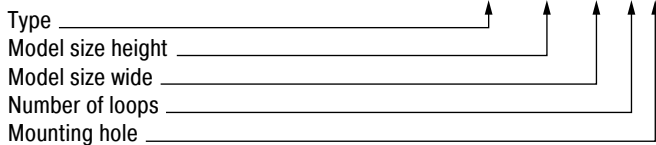


Performance

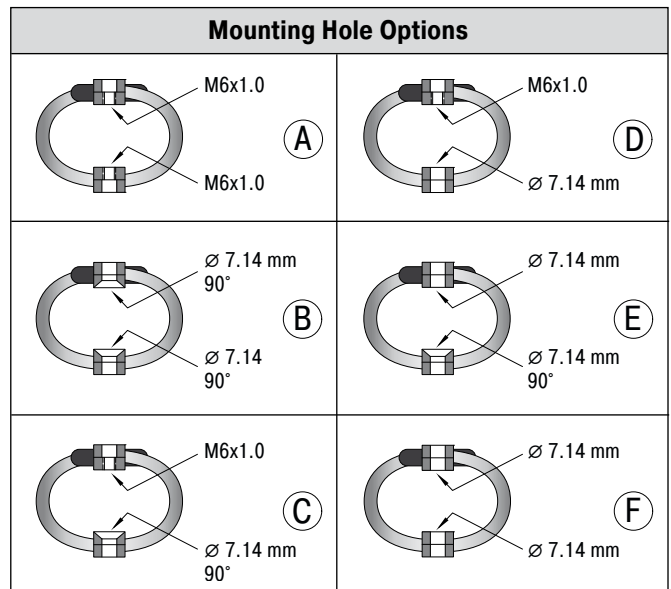
TYPES	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR12A-071-084-6	71.1	84.1	226	144	31.8	67	96	31.8	0.790
WR12A-074-089-6	73.7	88.9	197	123	34.3	59	70	34.3	0.800
WR12A-076-105-6	76.2	104.9	174	101	36.8	56	61	36.8	0.870
WR12A-083-108-6	82.6	108.0	141	83	43.2	55	53	43.2	0.900
WR12A-089-108-6	88.9	108.0	134	76	49.5	43	46	49.5	0.930
WR12A-105-121-6	104.9	120.7	84	48	66.0	20	33	66.0	1.020
WR12A-108-140-6	108.0	139.7	63	34	68.6	19	21	68.6	1.110

Ordering Example

WR12A-071-084-6-A

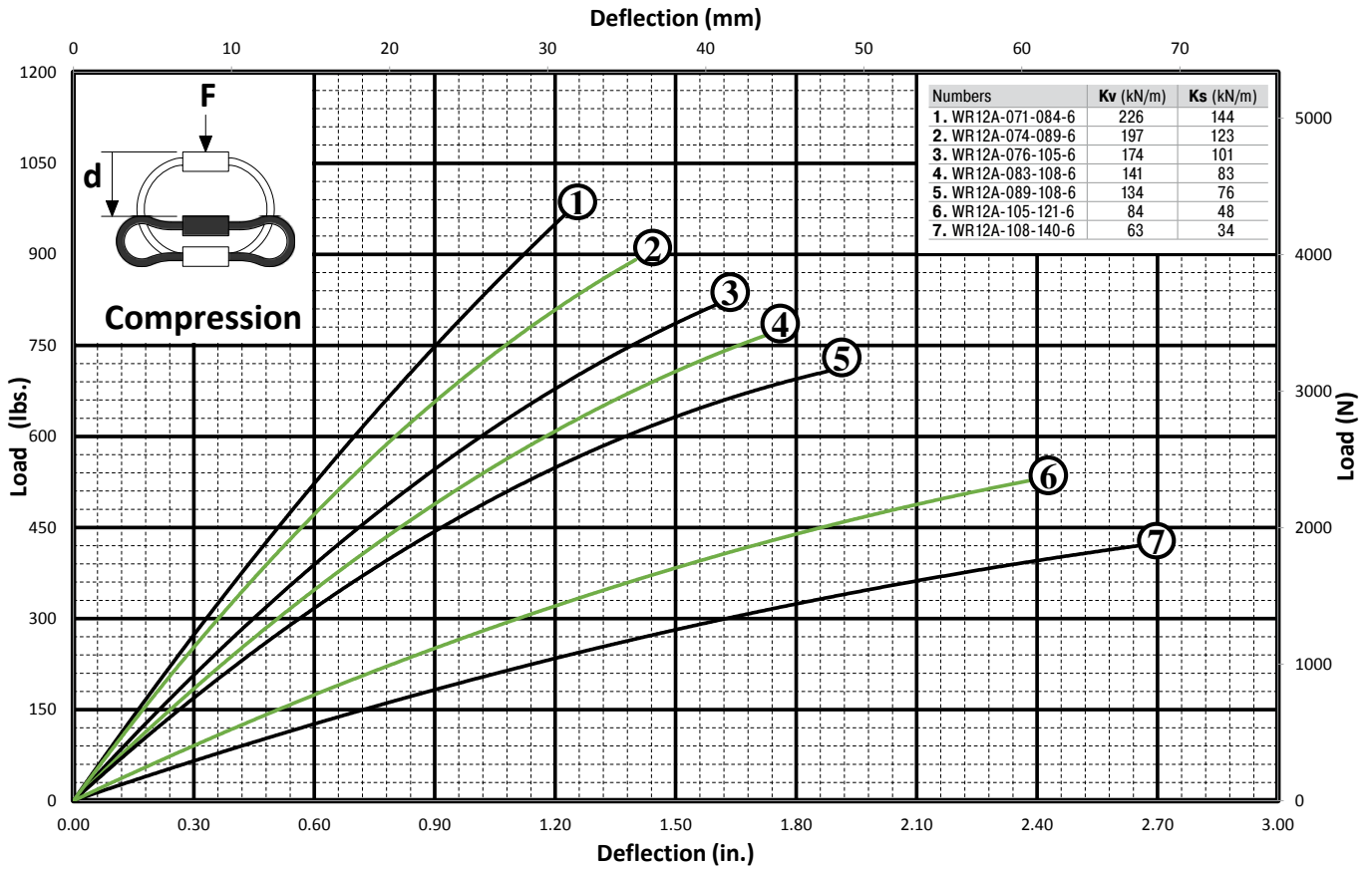


Mounting Hole Options

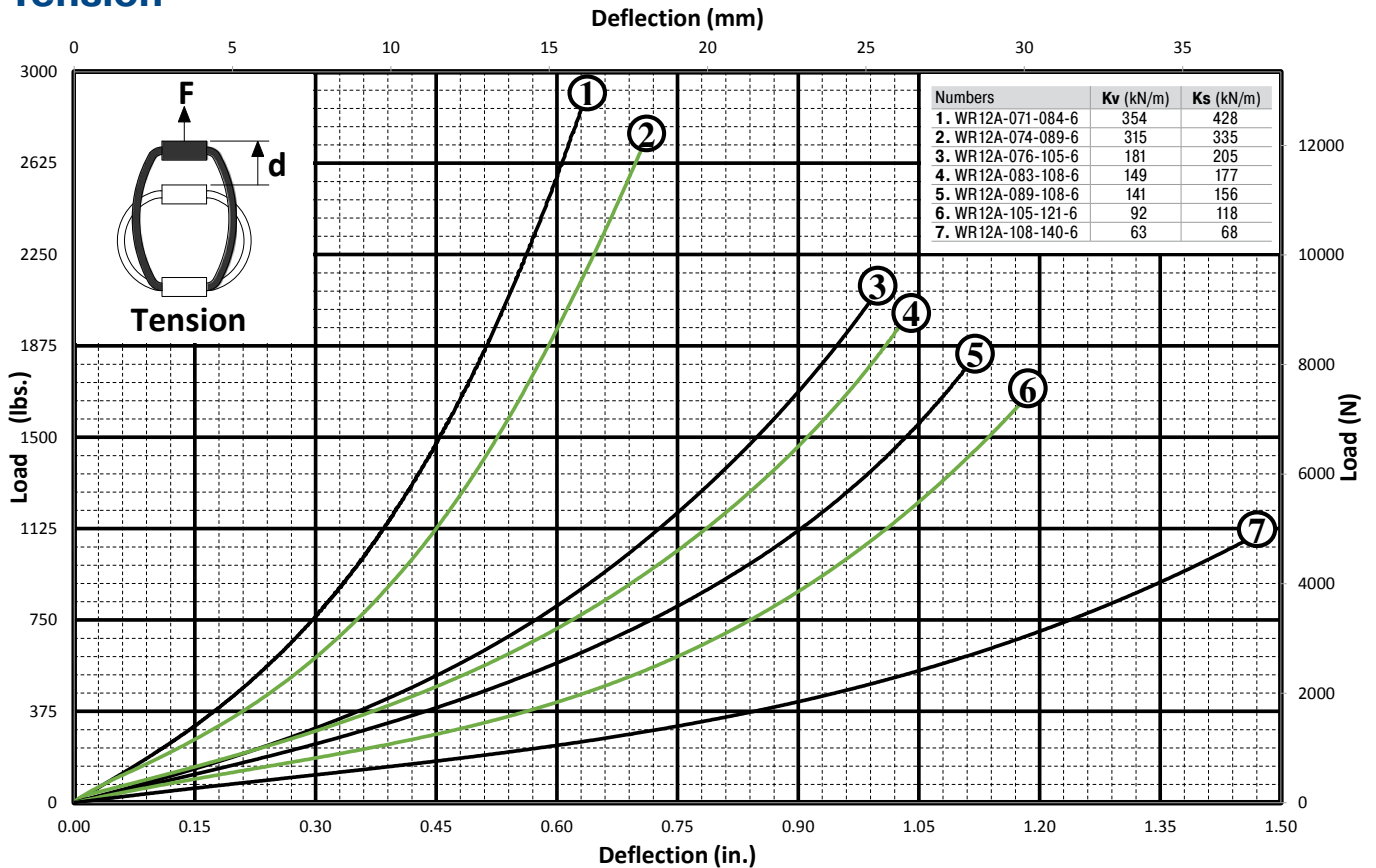


Issue 07.2020 – Specifications subject to change

Compression

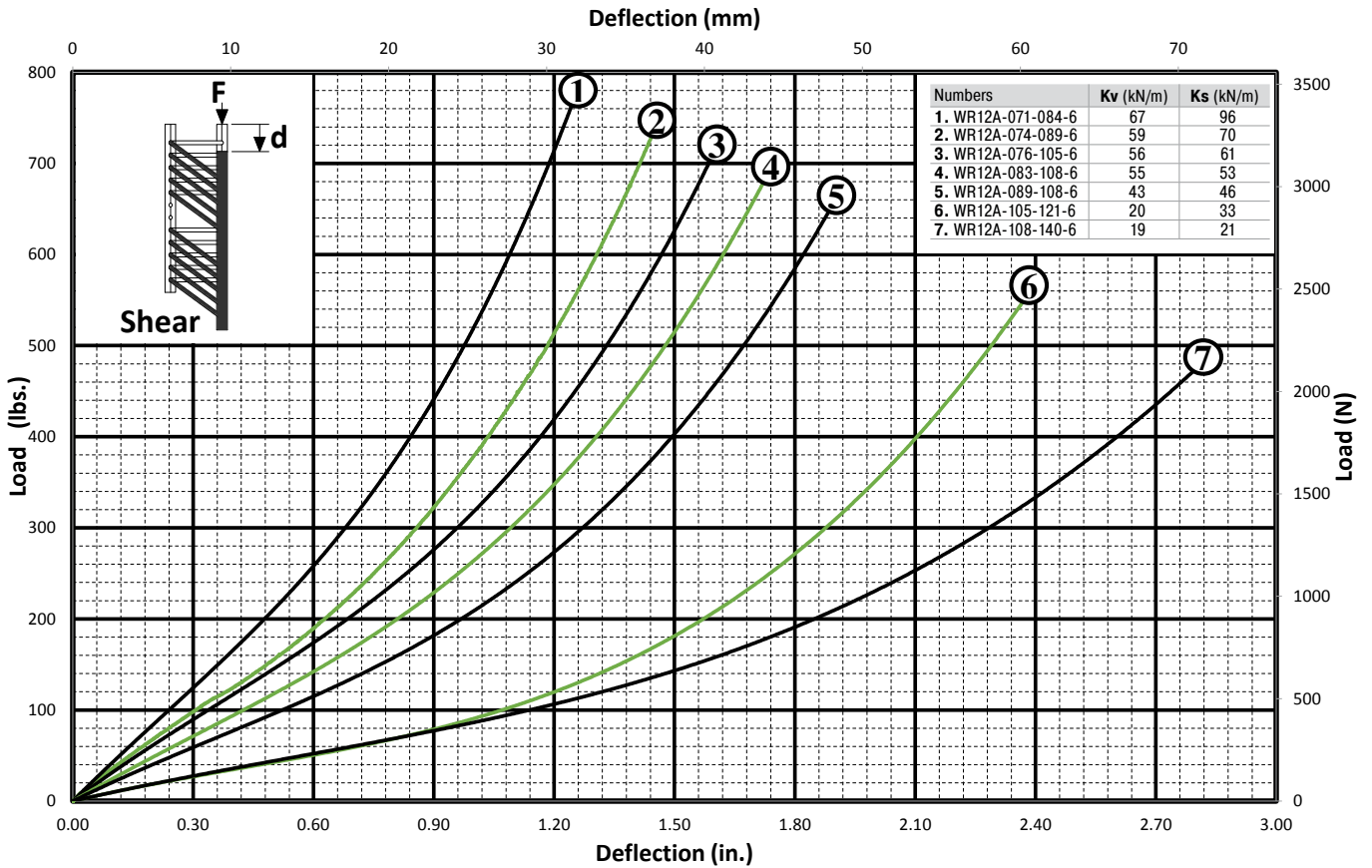


Tension

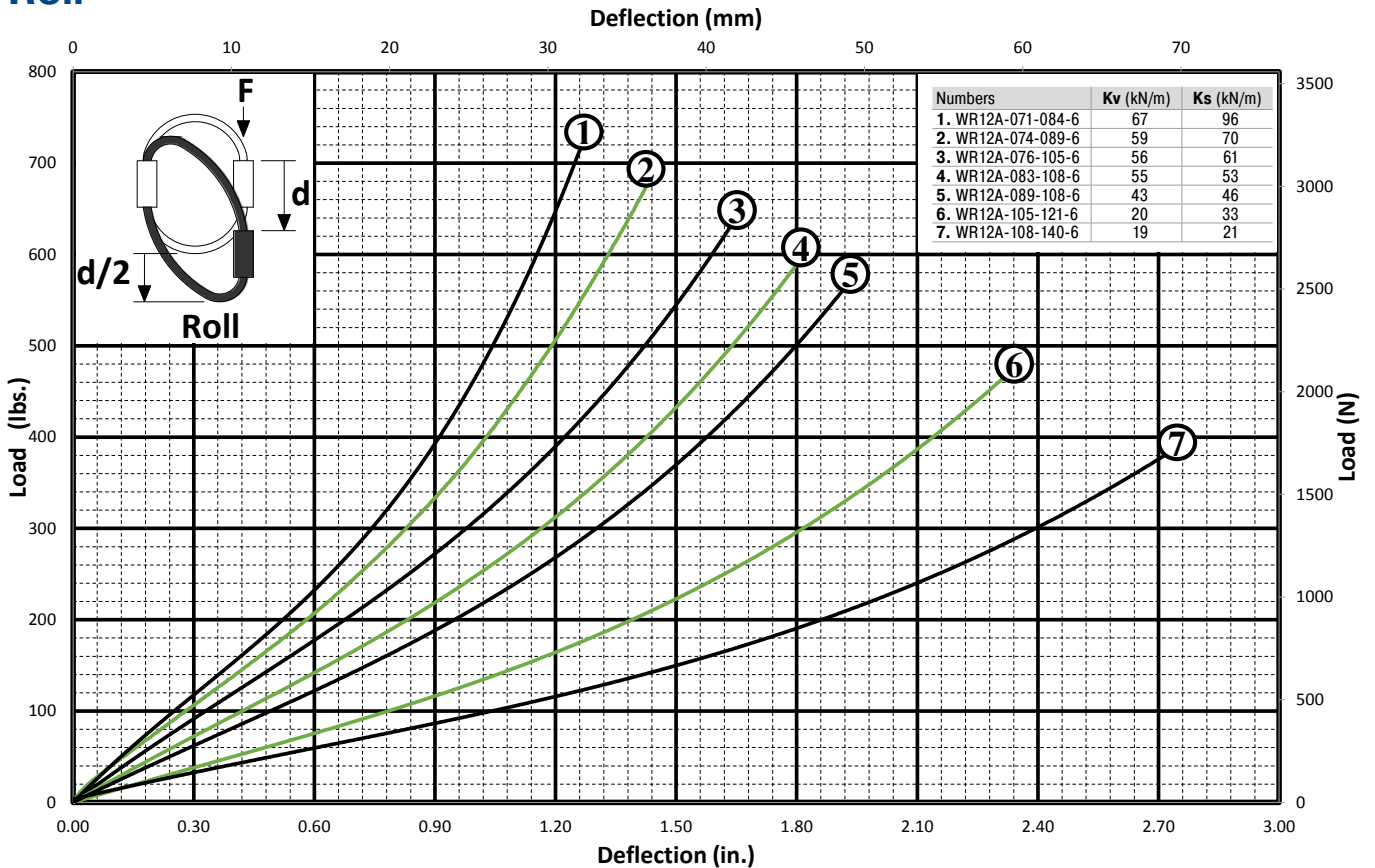


Issue 07.2020 – Specifications subject to change

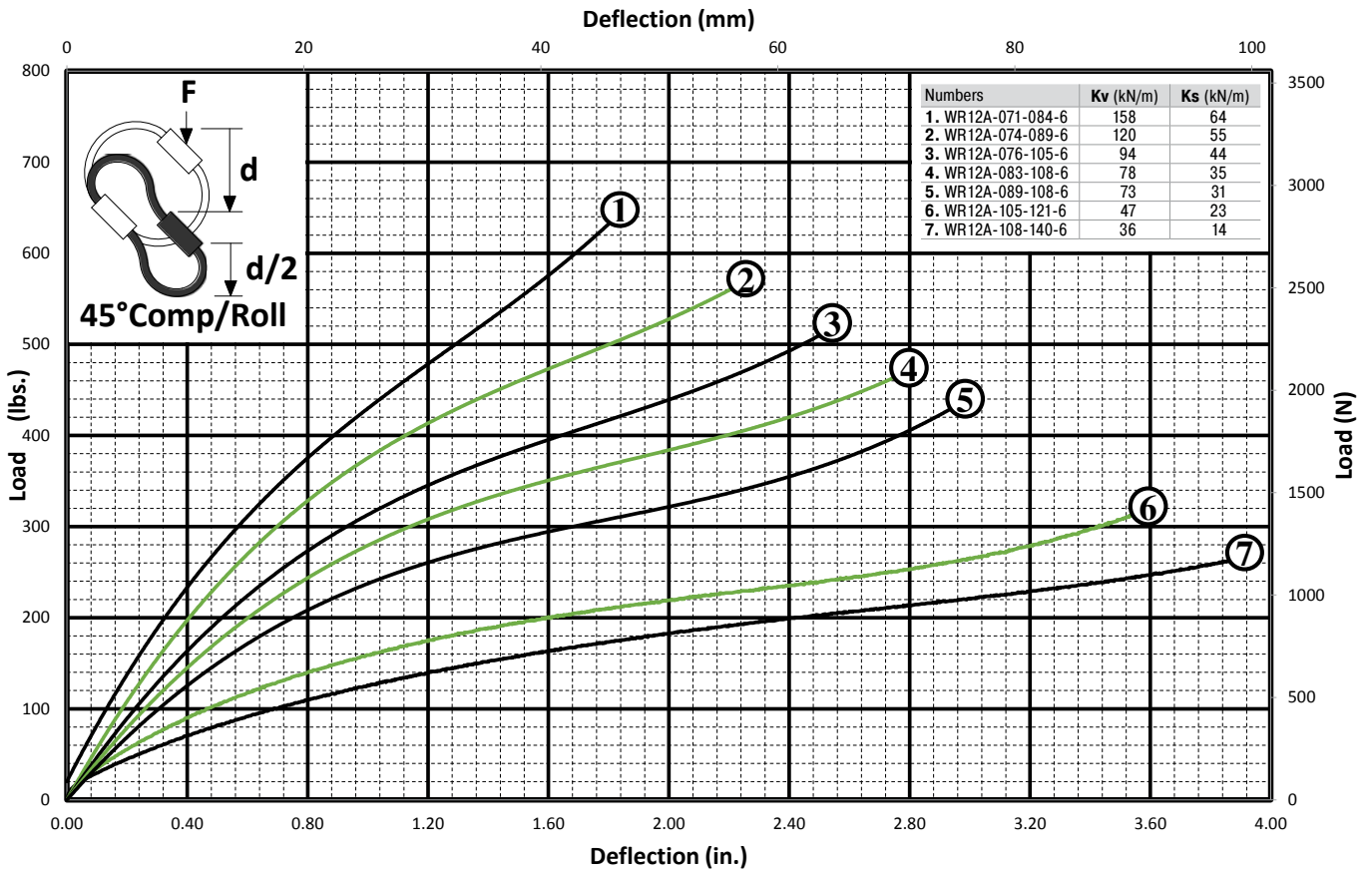
Shear



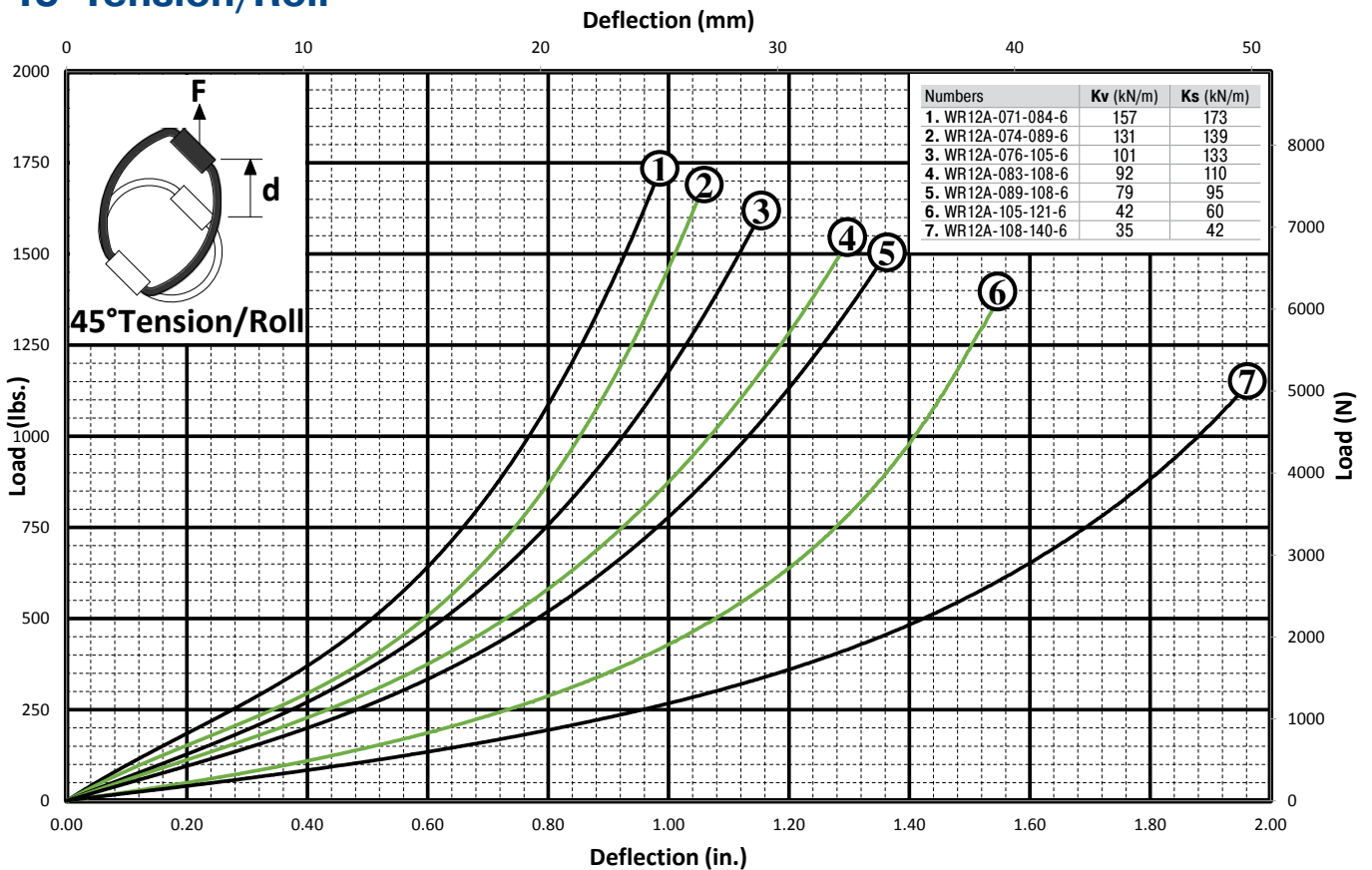
Roll



45° Compression/Roll



45° Tension/Roll



Issue 07.2020 – Specifications subject to change

Product also available in stainless steel



WR12

Helical Isolator

9.53 mm (3/8") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

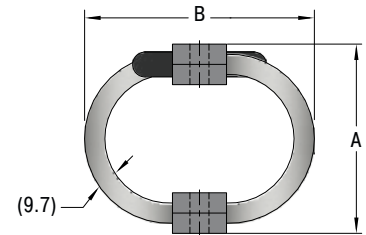
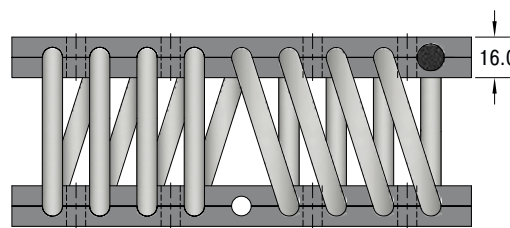
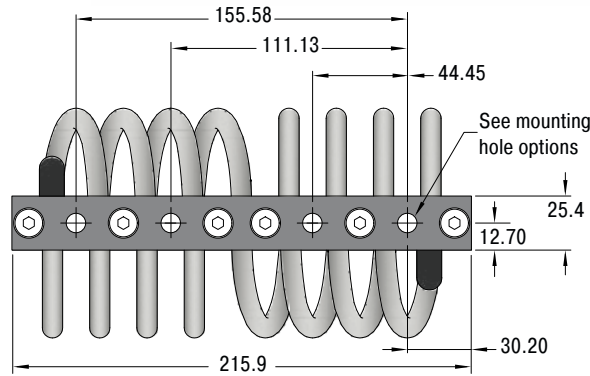
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (Alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.62 kg to Isolator weight for all stainless steel versions

On request

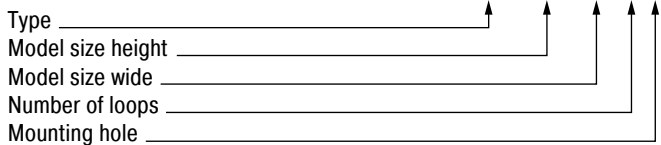
Special materials, size, mounting holes, finish, etc. available



Performance

TYPEN	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR12-071-084-8	71.1	84.1	302	192	31.8	89	128	31.8	1.050
WR12-074-089-8	73.7	88.9	263	164	34.3	79	93	34.3	1.070
WR12-076-105-8	76.2	104.9	232	135	36.8	75	81	36.8	1.150
WR12-083-108-8	82.6	108.0	187	110	43.2	74	71	43.2	1.190
WR12-089-108-8	88.9	108.0	179	101	49.5	57	62	49.5	1.240
WR12-105-121-8	104.9	120.7	114	64	66.0	26	44	66.0	1.360
WR12-108-140-8	108.0	139.7	84	45	68.6	25	28	68.6	1.480

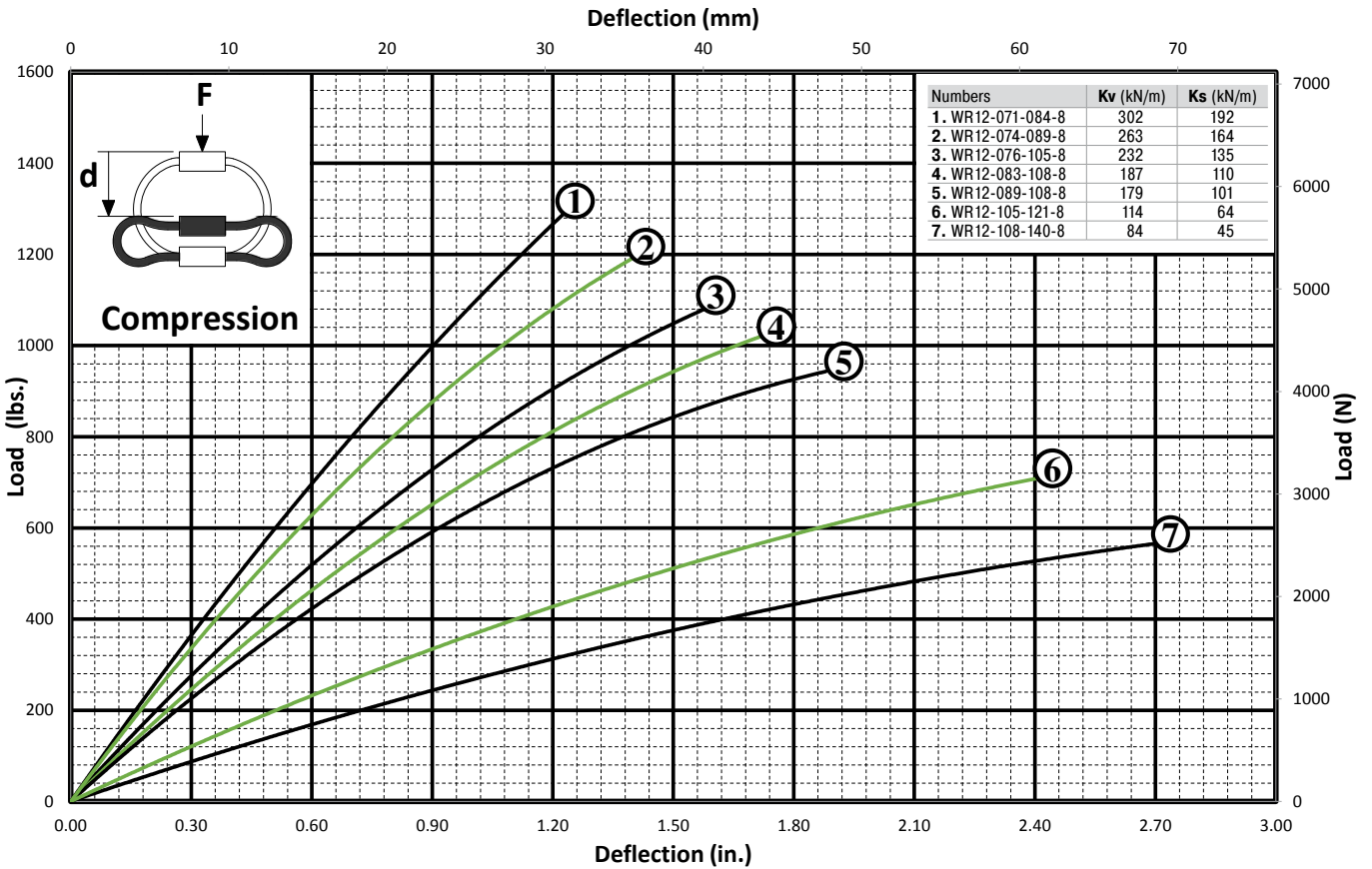
Ordering Example



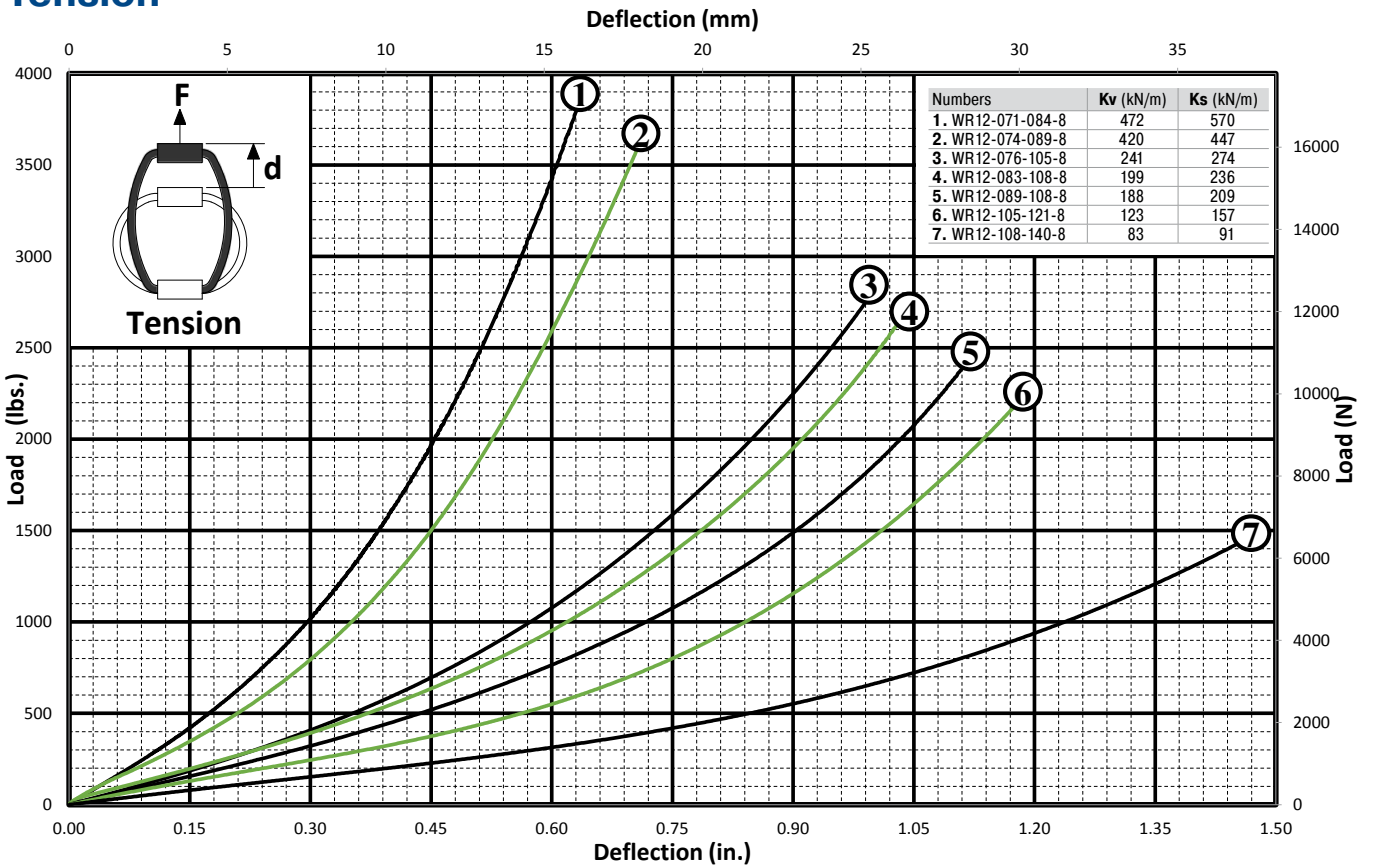
Mounting Hole Options	
<p>A</p>	<p>D</p>
<p>B</p>	<p>E</p>
<p>C</p>	<p>F</p>

Issue 07.2020 – Specifications subject to change

Compression

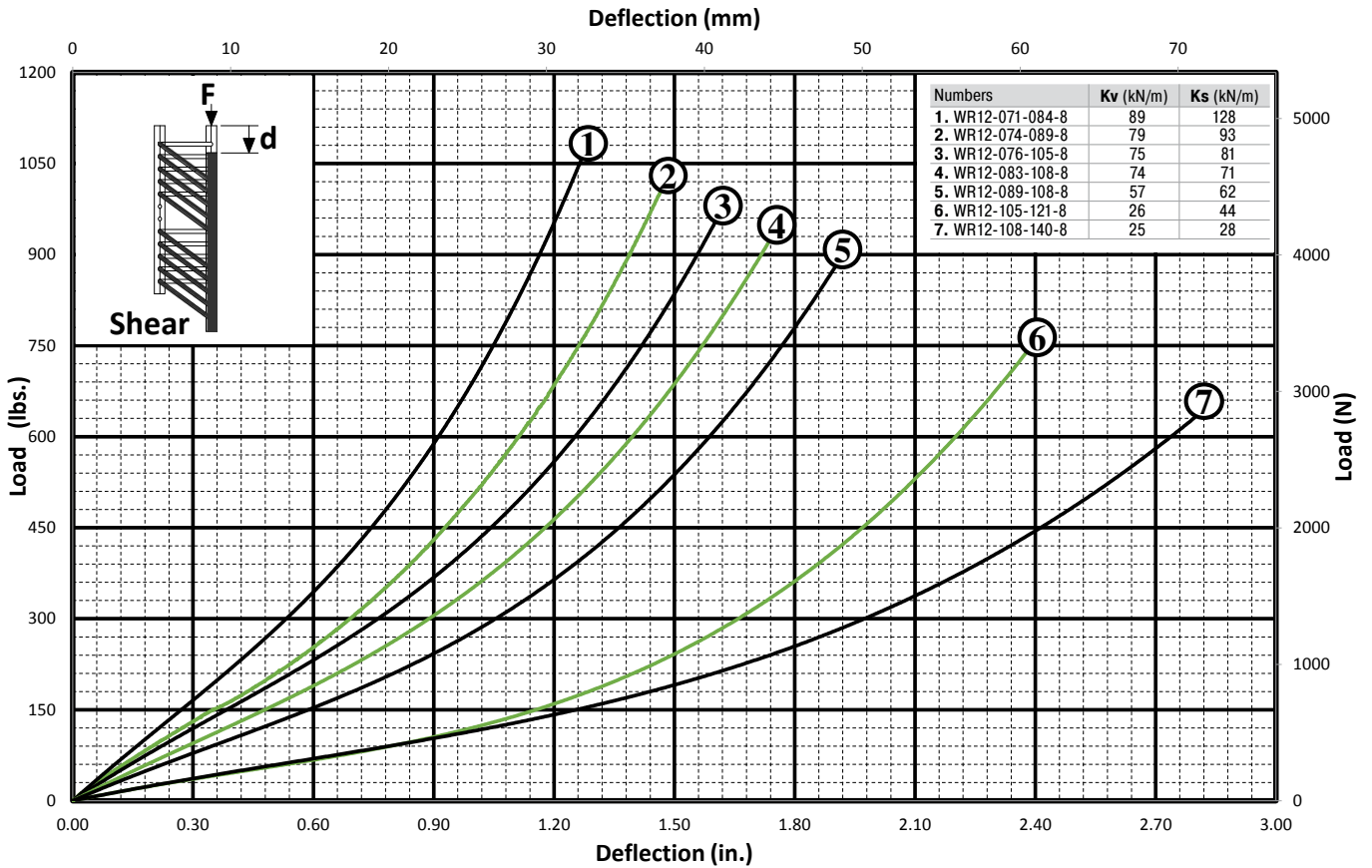


Tension

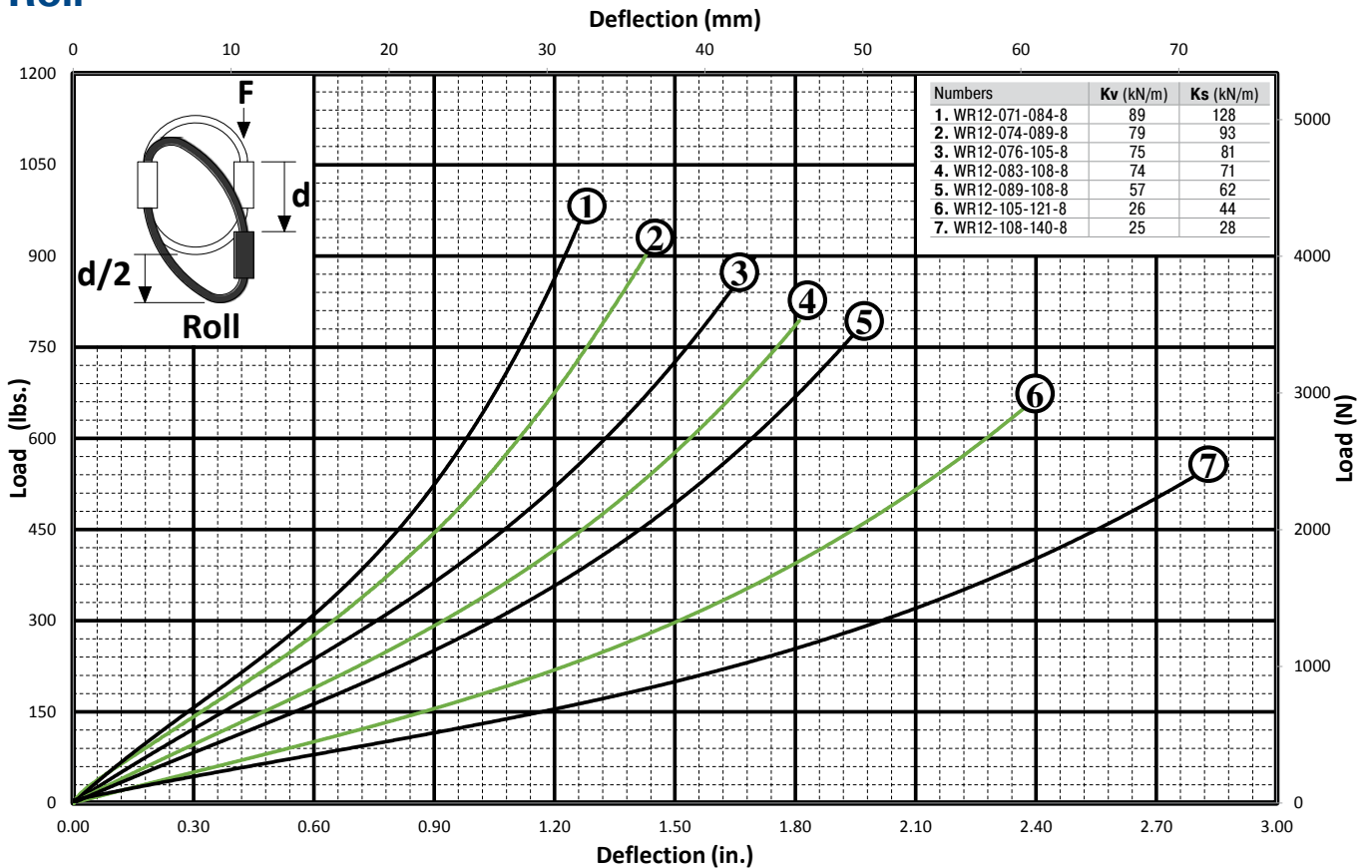


Issue 07.2020 – Specifications subject to change

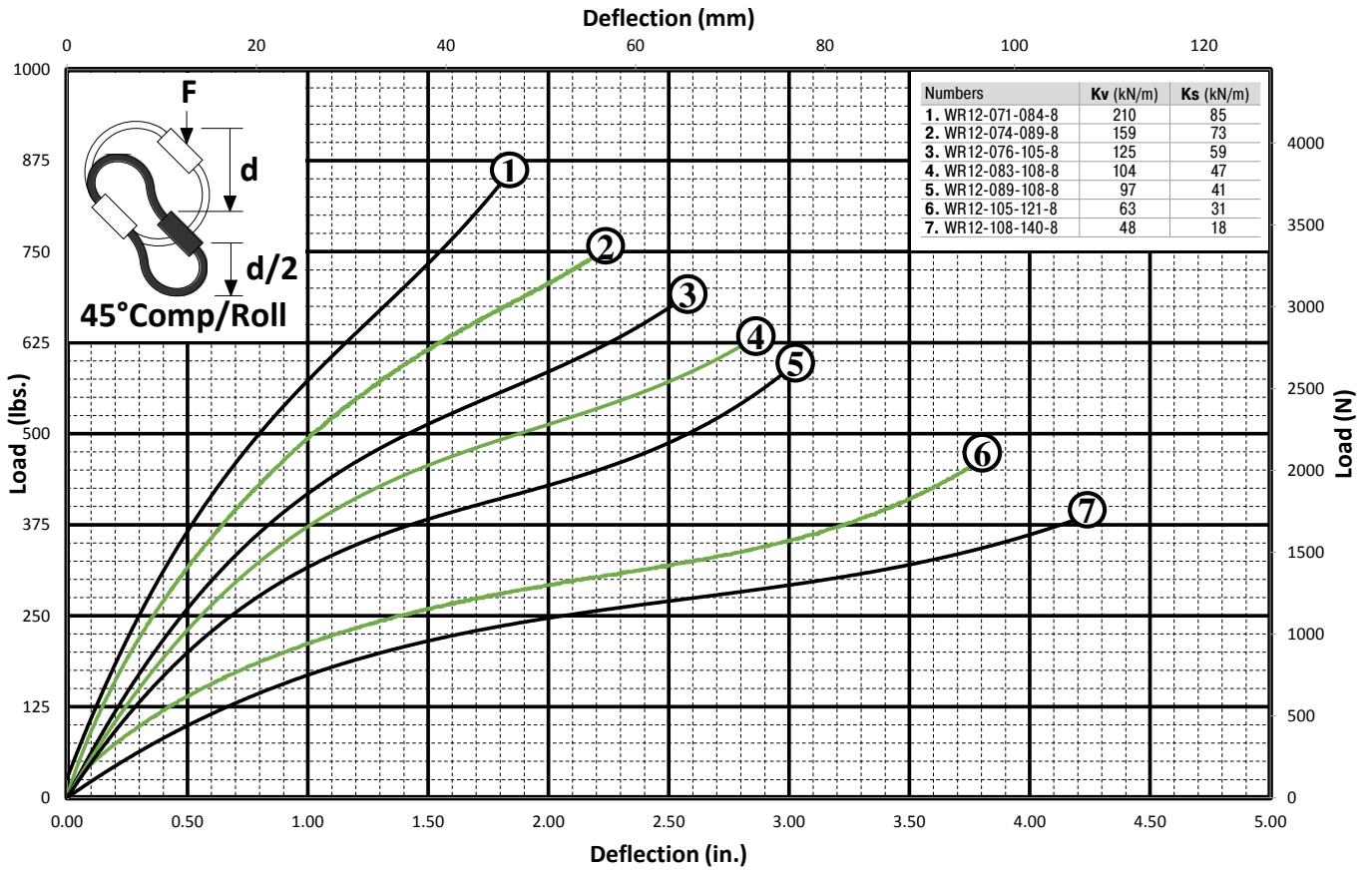
Shear



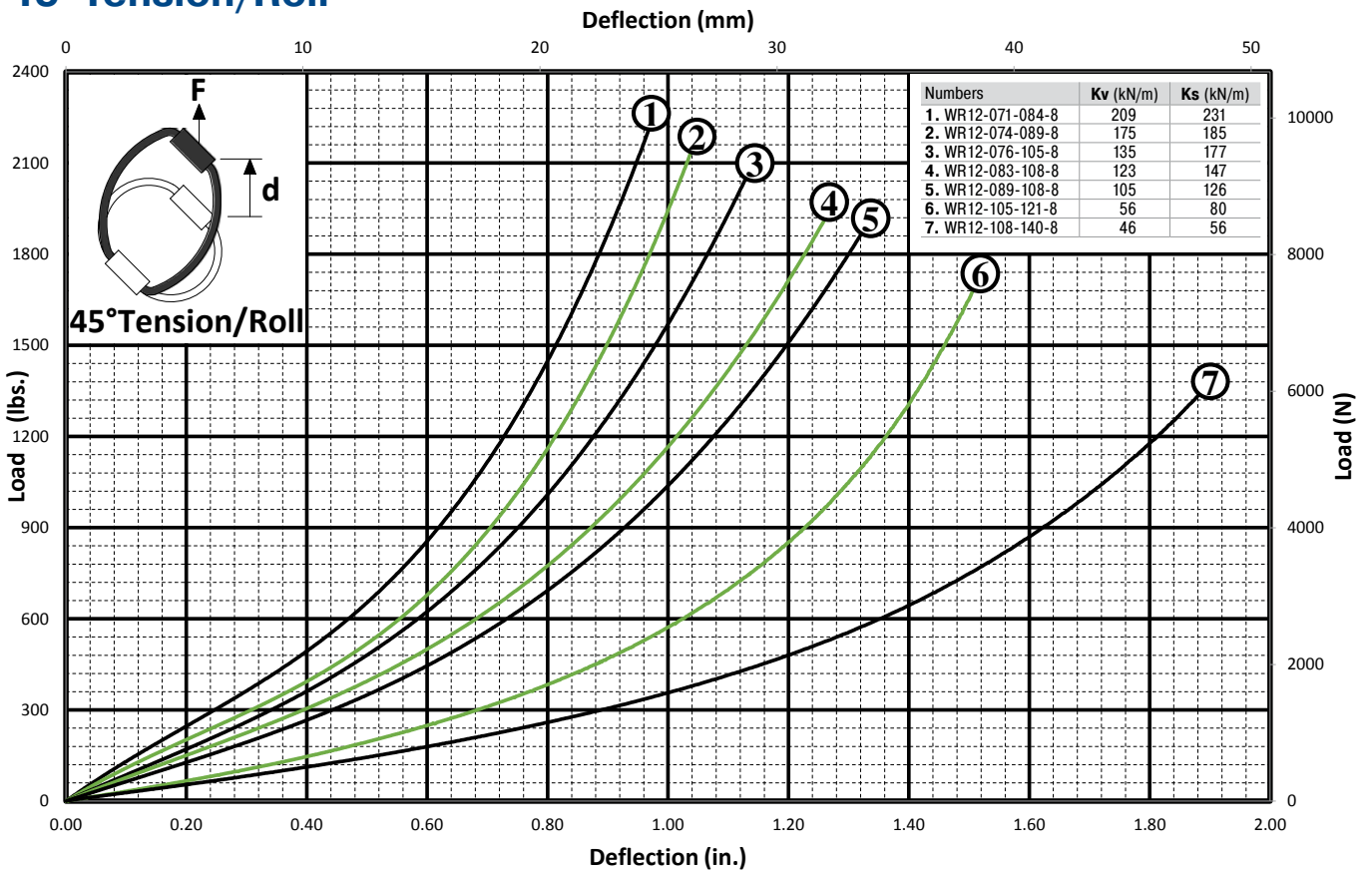
Roll



45° Compression/Roll



45° Tension/Roll



Issue 07.2020 – Specifications subject to change

Product also available in stainless steel



WR16A

Helical Isolator

12.70 mm (1/2") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

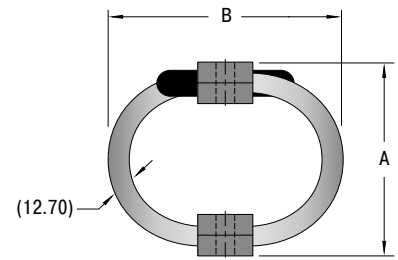
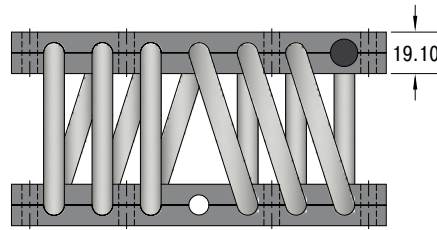
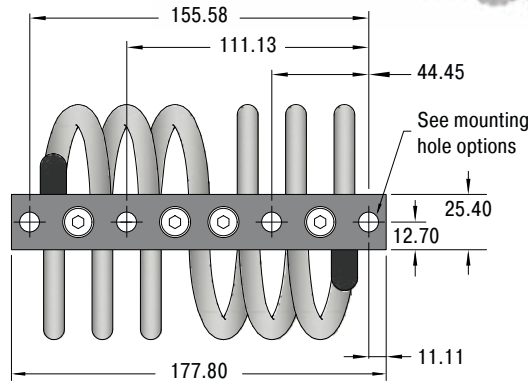
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (Alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.53 kg to Isolator weight for all stainless steel versions

On request

Special materials, size, mounting holes, finish, etc. available

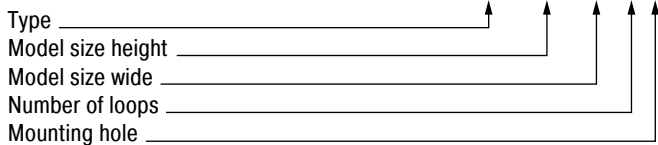


Performance

TYPEN	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR16A-083-102-6	82.6	101.9	327	220	35.6	169	128	35.6	1.260
WR16A-089-105-6	88.9	104.9	310	197	41.9	94	108	41.9	1.270
WR16A-095-121-6	95.3	120.7	231	137	48.3	71	78	48.3	1.400
WR16A-108-133-6	108.0	133.4	143	86	61.0	44	50	61.0	1.570
WR16A-125-144-6	124.5	143.5	102	60	77.5	33	38	77.5	1.700
WR16A-137-158-6	137.2	157.7	72	45	90.2	23	31	90.2	1.850
WR16A-155-180-6	154.9	180.3	53	29	108.0	12	18	108.0	2.090

Ordering Example

WR16A-083-102-6-A

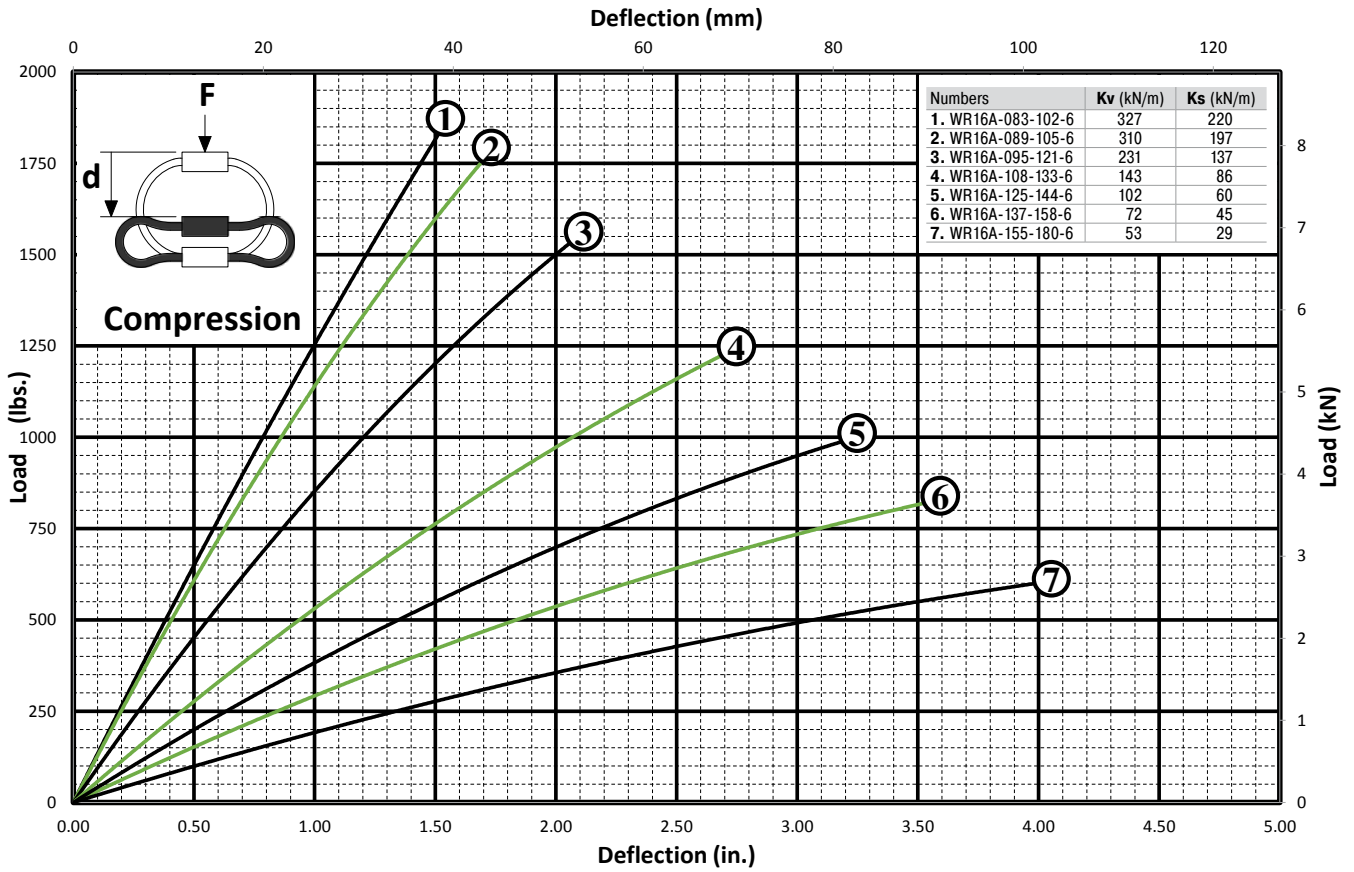


Mounting Hole Options

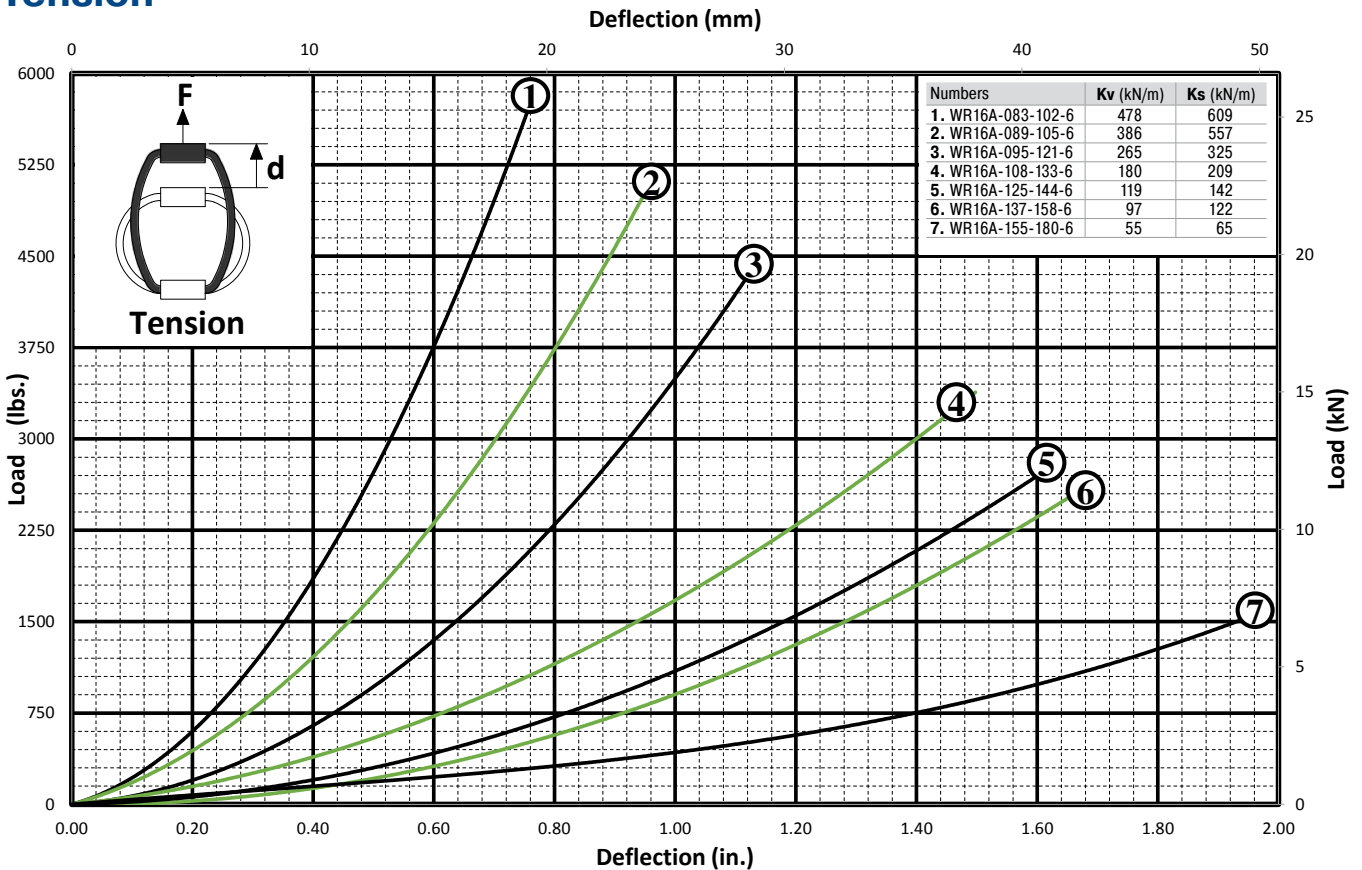
<p>A</p>	<p>D</p>
<p>B</p>	<p>E</p>
<p>C</p>	<p>F</p>

Issue 07.2020 – Specifications subject to change

Compression

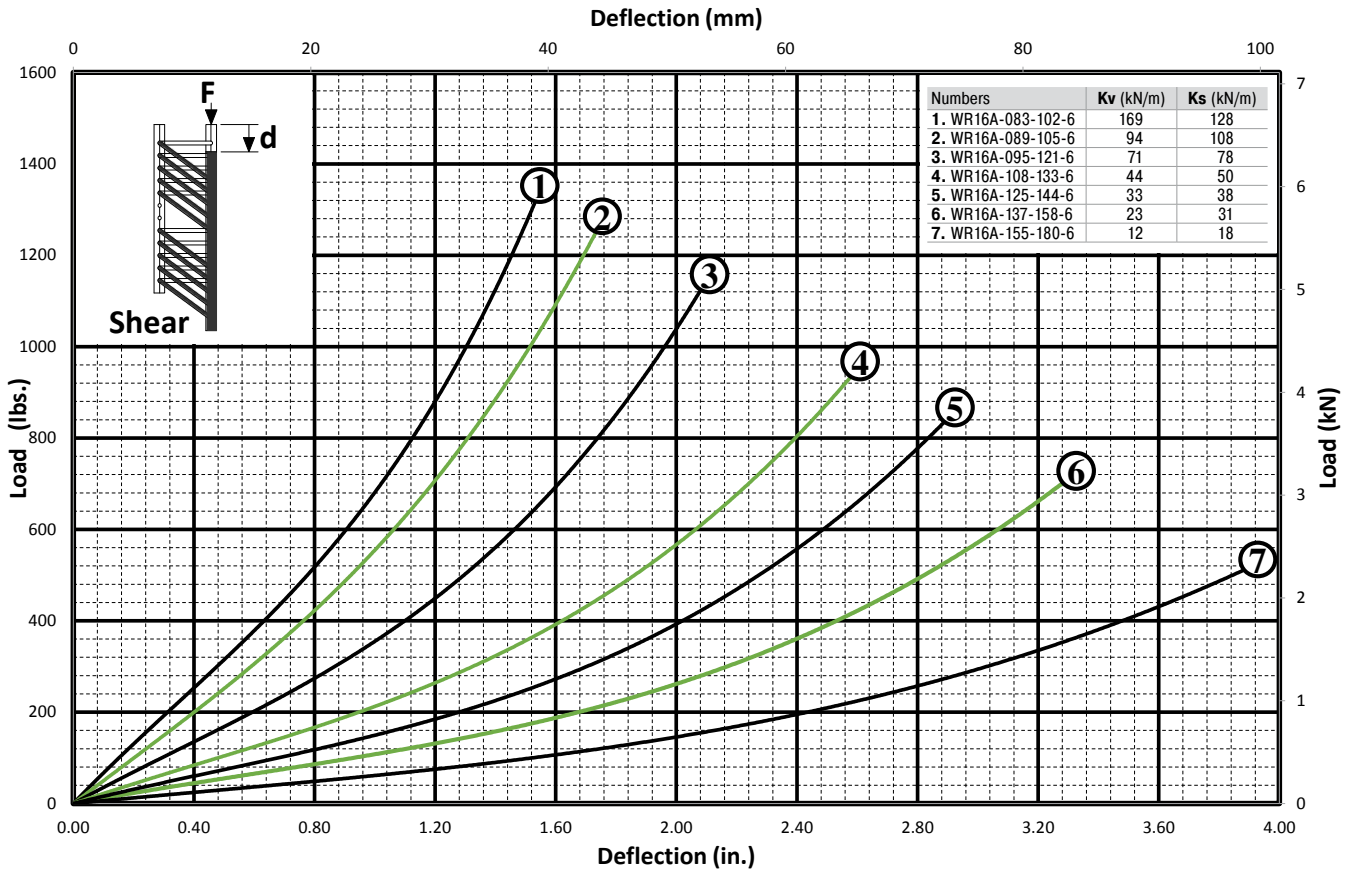


Tension

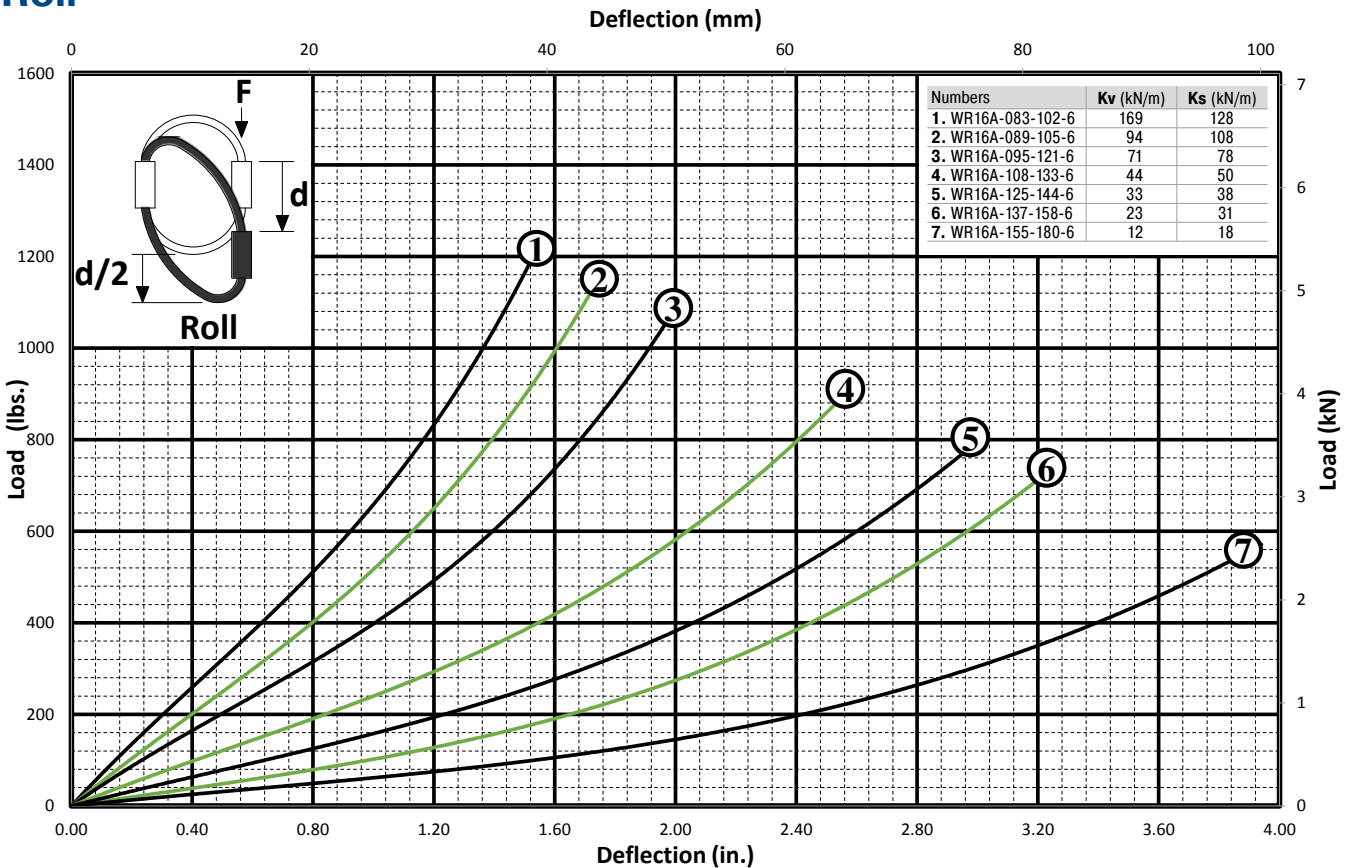


Issue 07.2020 – Specifications subject to change

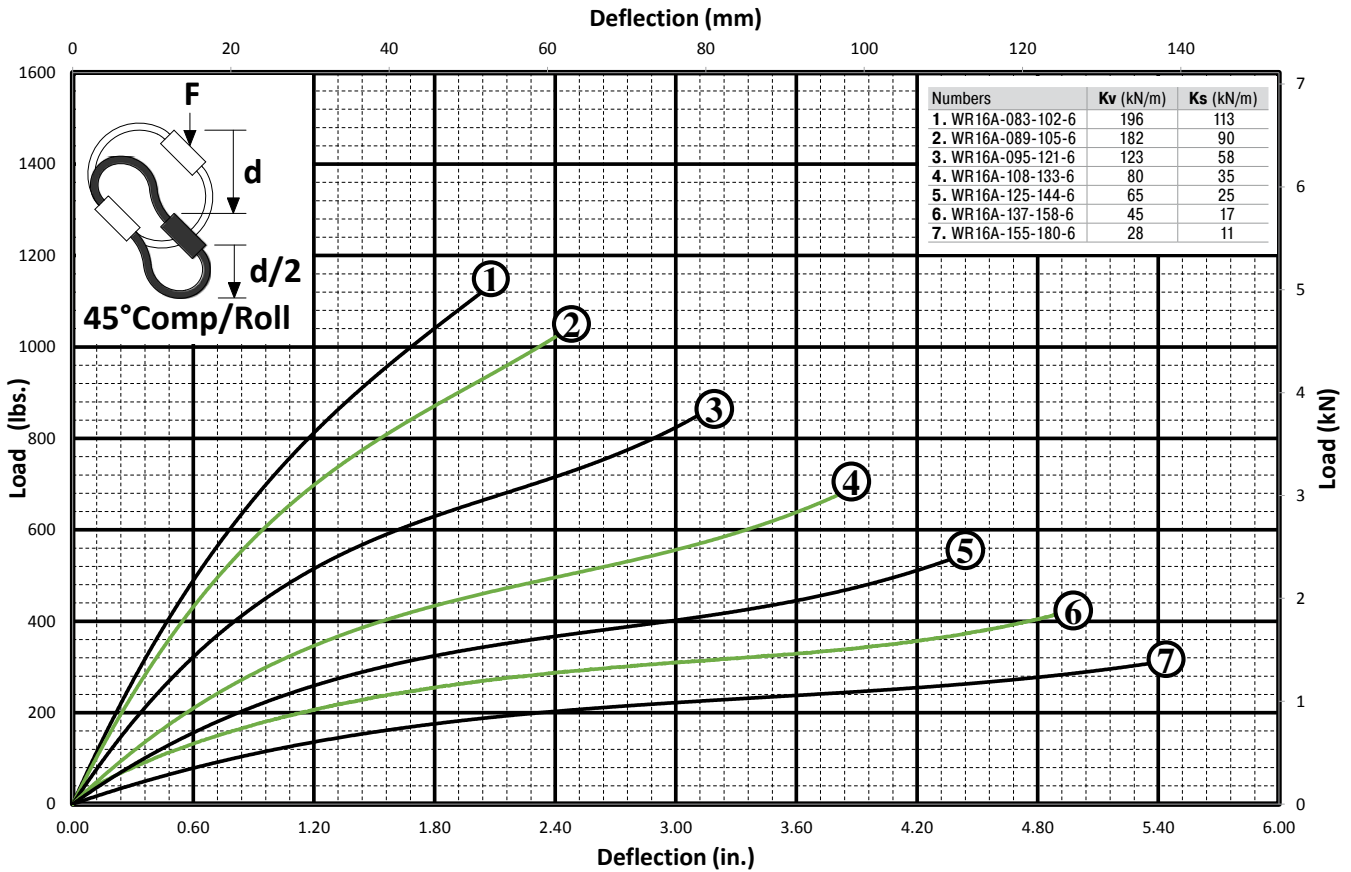
Shear



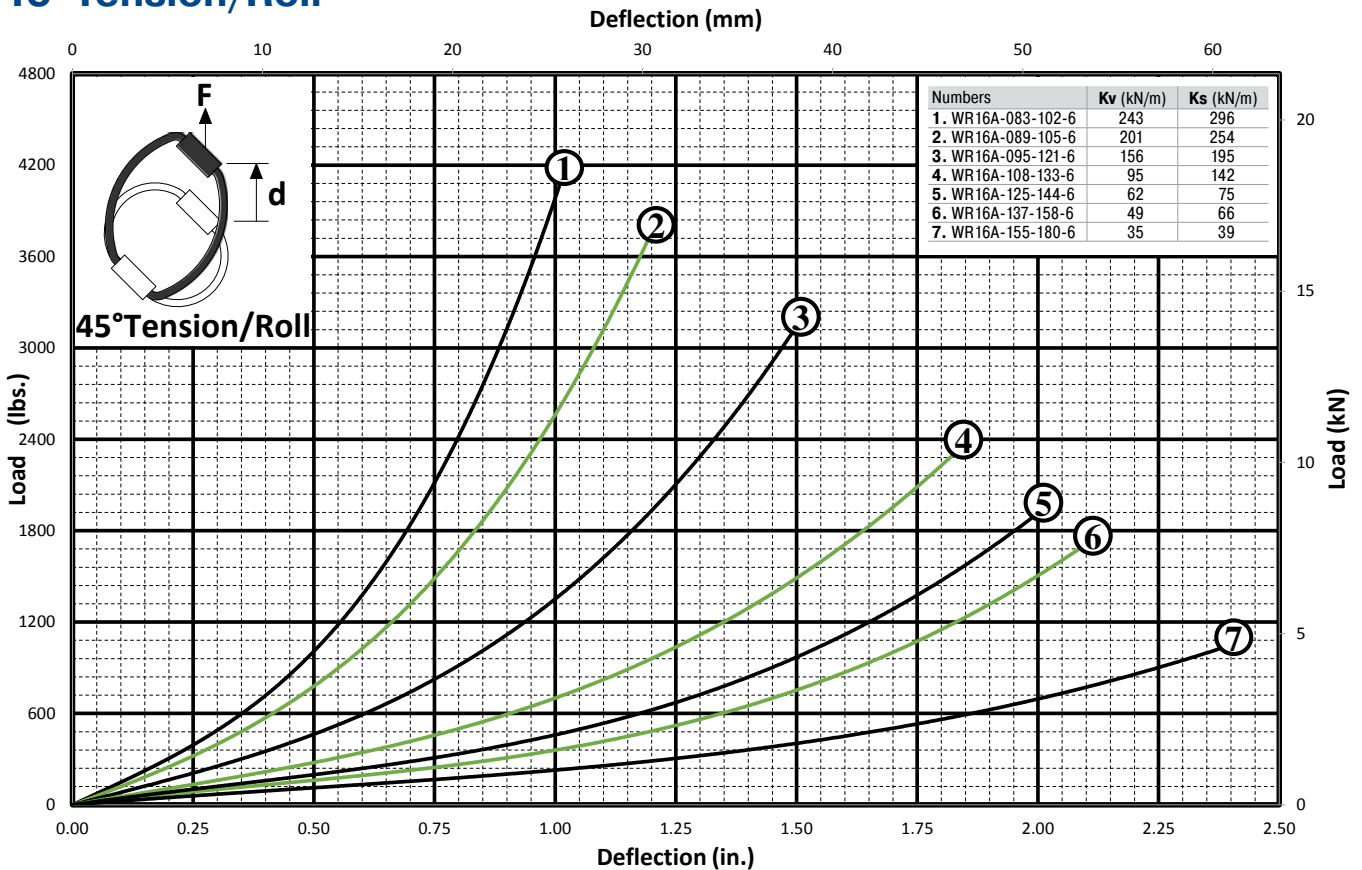
Roll



45° Compression/Roll



45° Tension/Roll



Product also available in stainless steel



WR16

Helical Isolator

12.70 mm (1/2") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

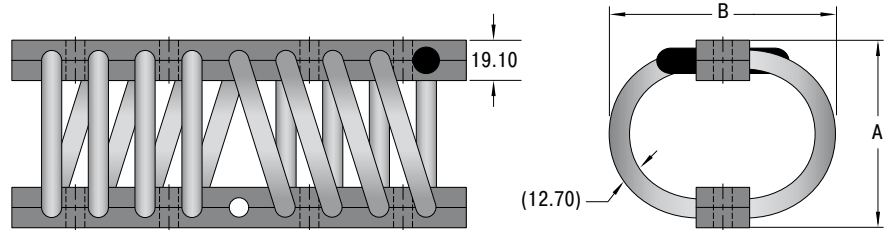
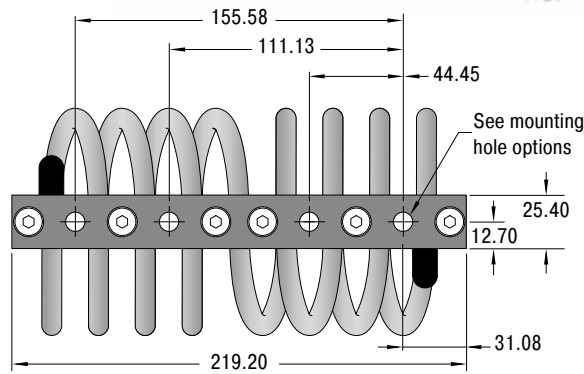
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (Alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 0.64 kg to Isolator weight for all stainless steel versions

On request

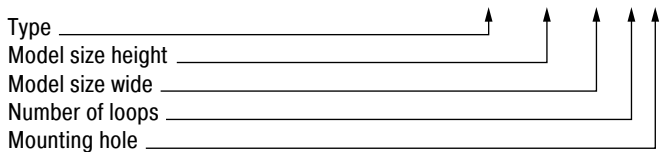
Special materials, size, mounting holes, finish, etc. available



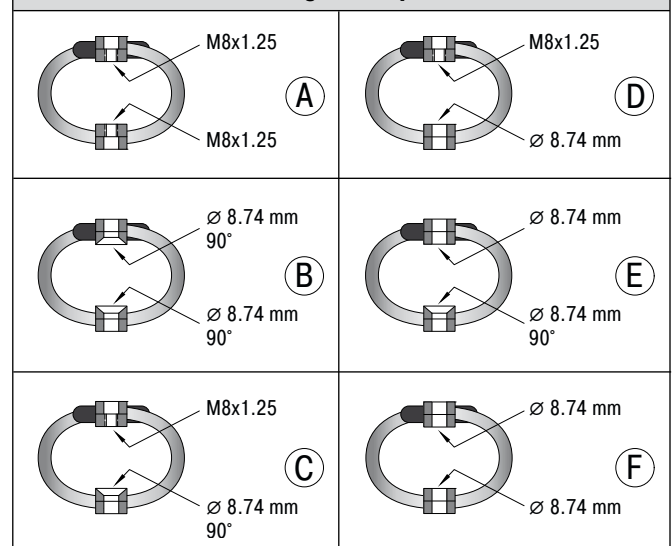
Performance

TYPEN	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR16-083-102-8	82.6	101.9	436	294	35.6	226	171	35.6	1.680
WR16-089-105-8	88.9	104.9	413	262	41.9	126	143	41.9	1.690
WR16-095-121-8	95.3	120.7	308	183	48.3	95	104	48.3	1.860
WR16-108-133-8	108.0	133.4	191	115	61.0	58	67	61.0	2.090
WR16-125-144-8	124.5	143.5	136	80	77.5	44	51	77.5	2.270
WR16-137-158-8	137.2	157.7	96	61	90.2	30	41	90.2	2.460
WR16-155-180-8	154.9	180.3	70	39	108.0	17	25	108.0	2.790

Ordering Example

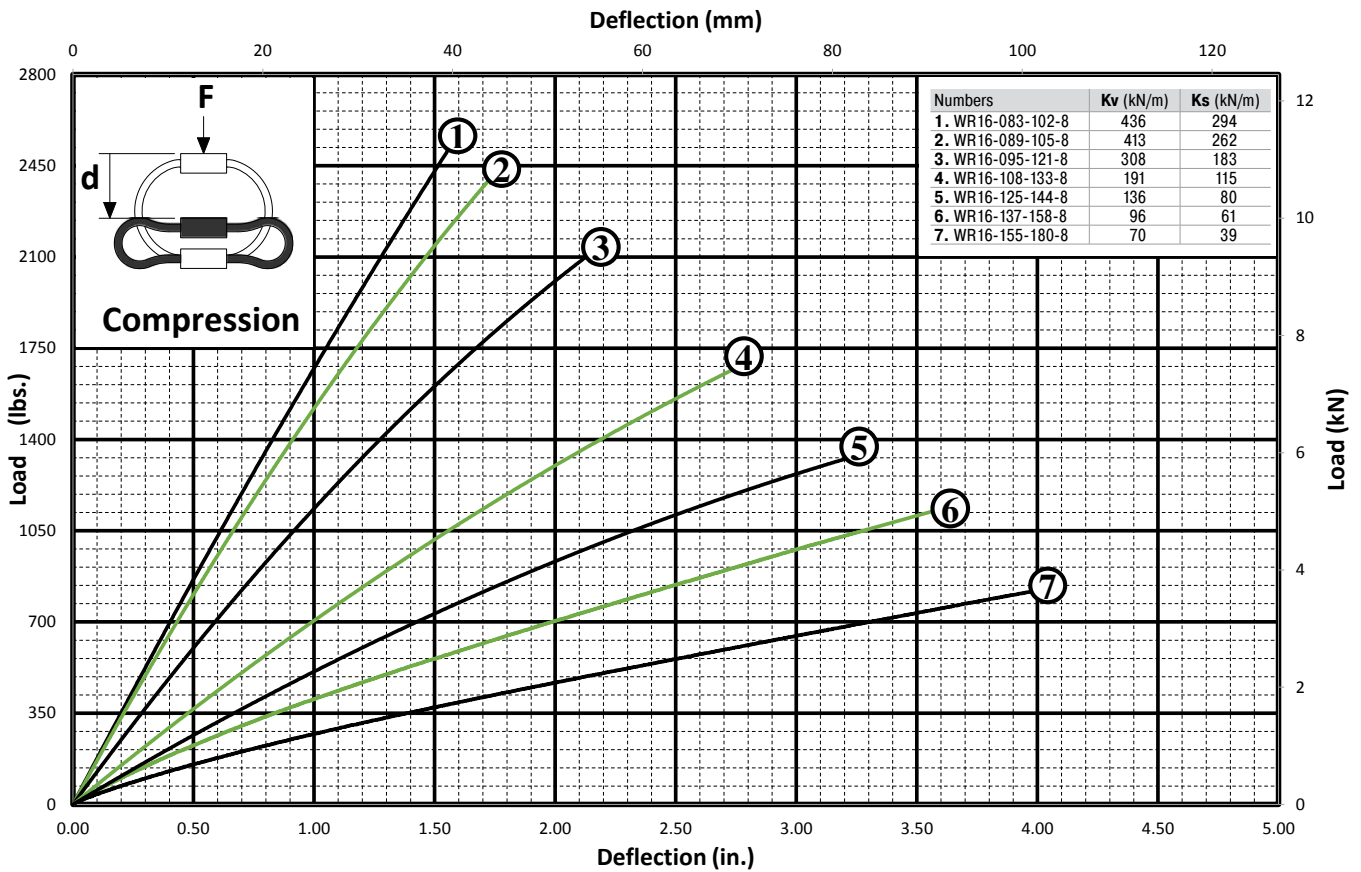


Mounting Hole Options

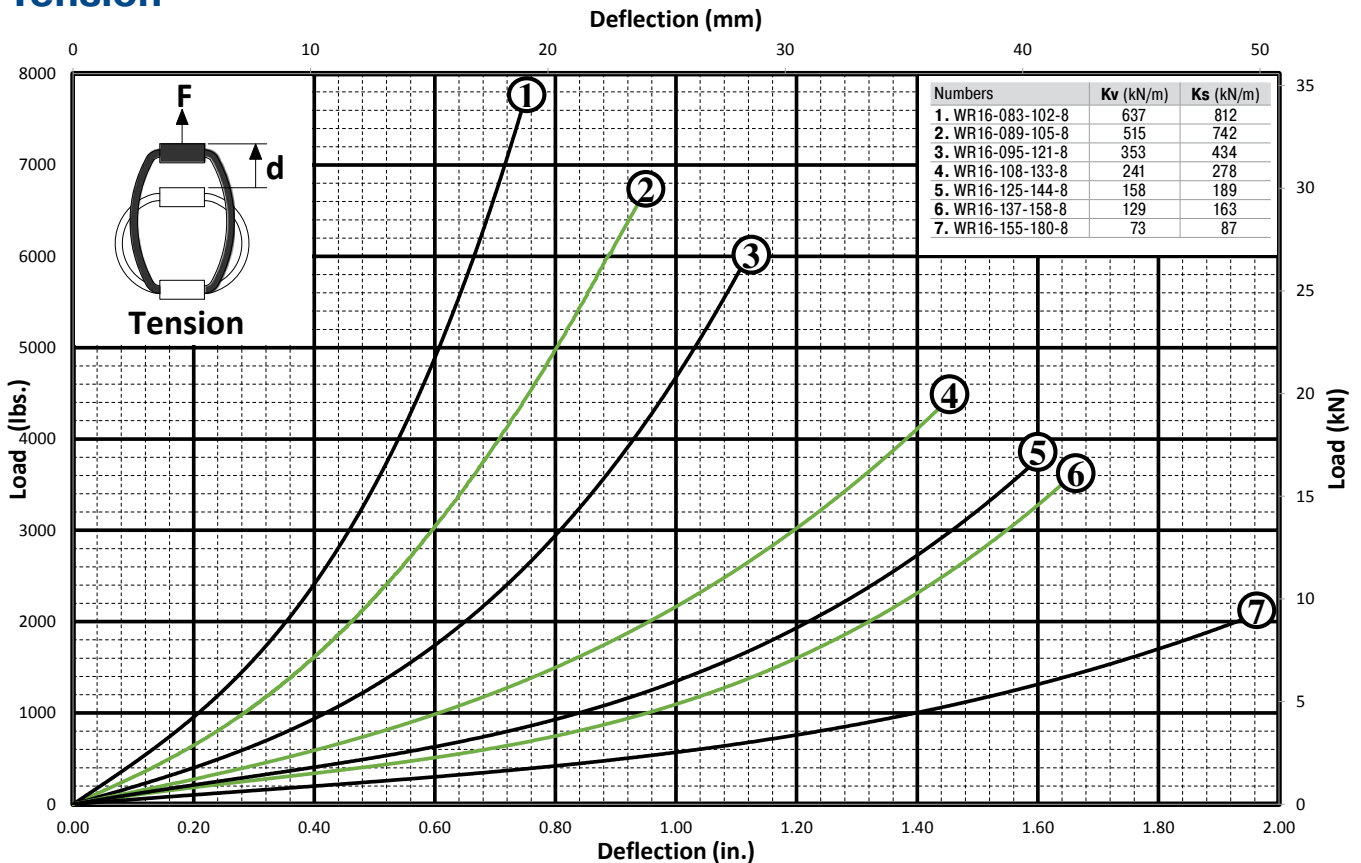


Issue 07.2020 – Specifications subject to change

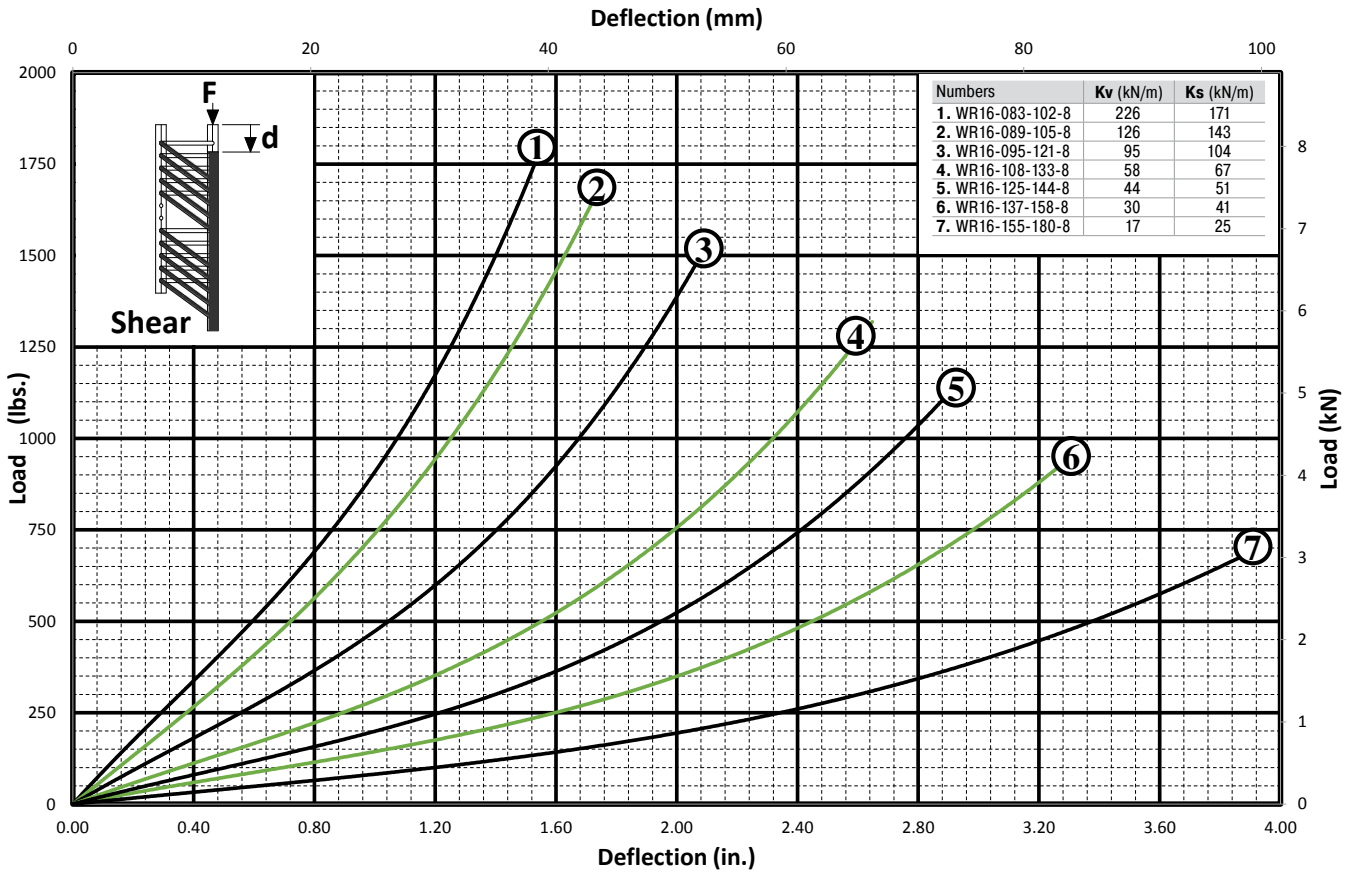
Compression



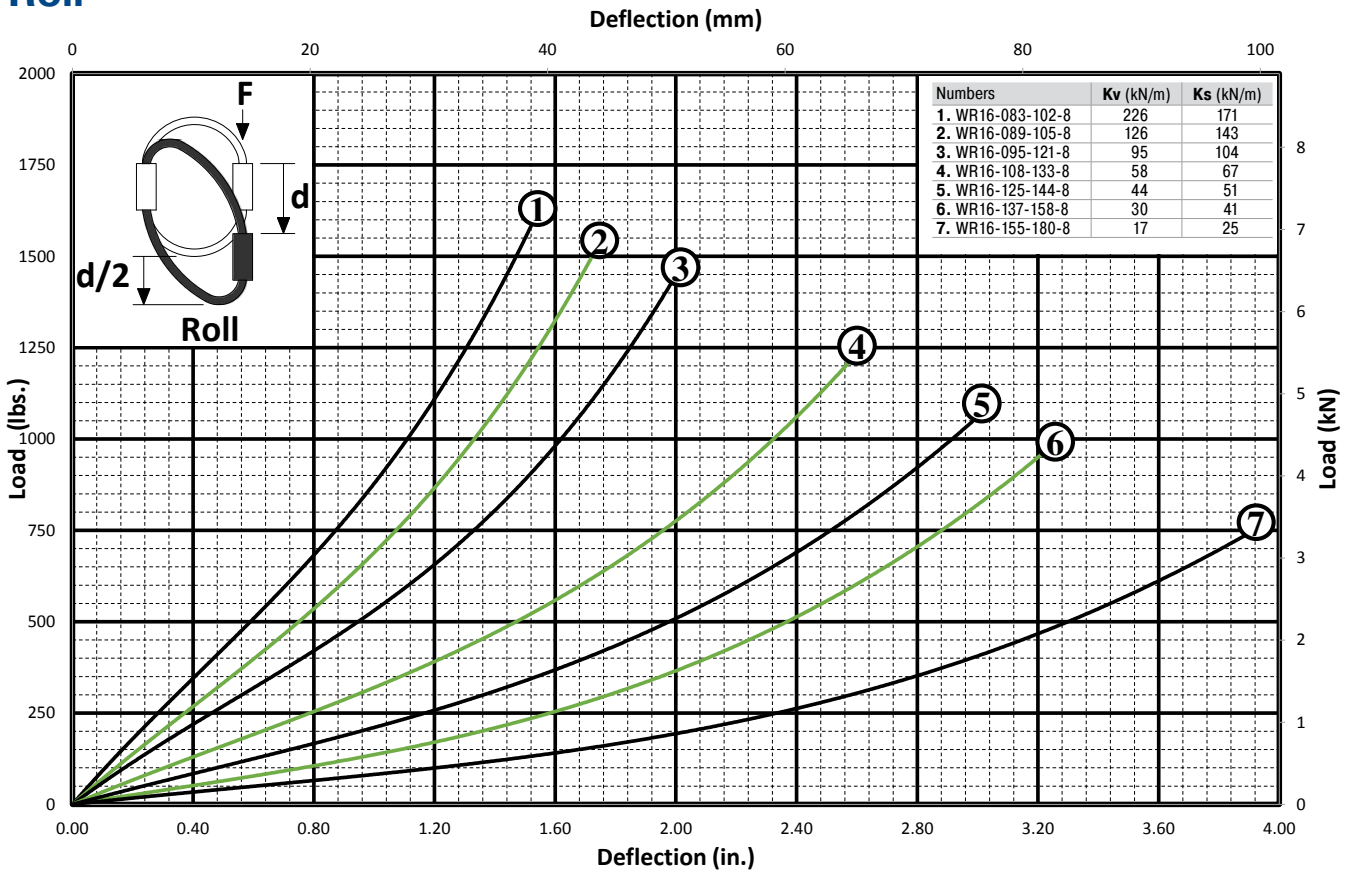
Tension



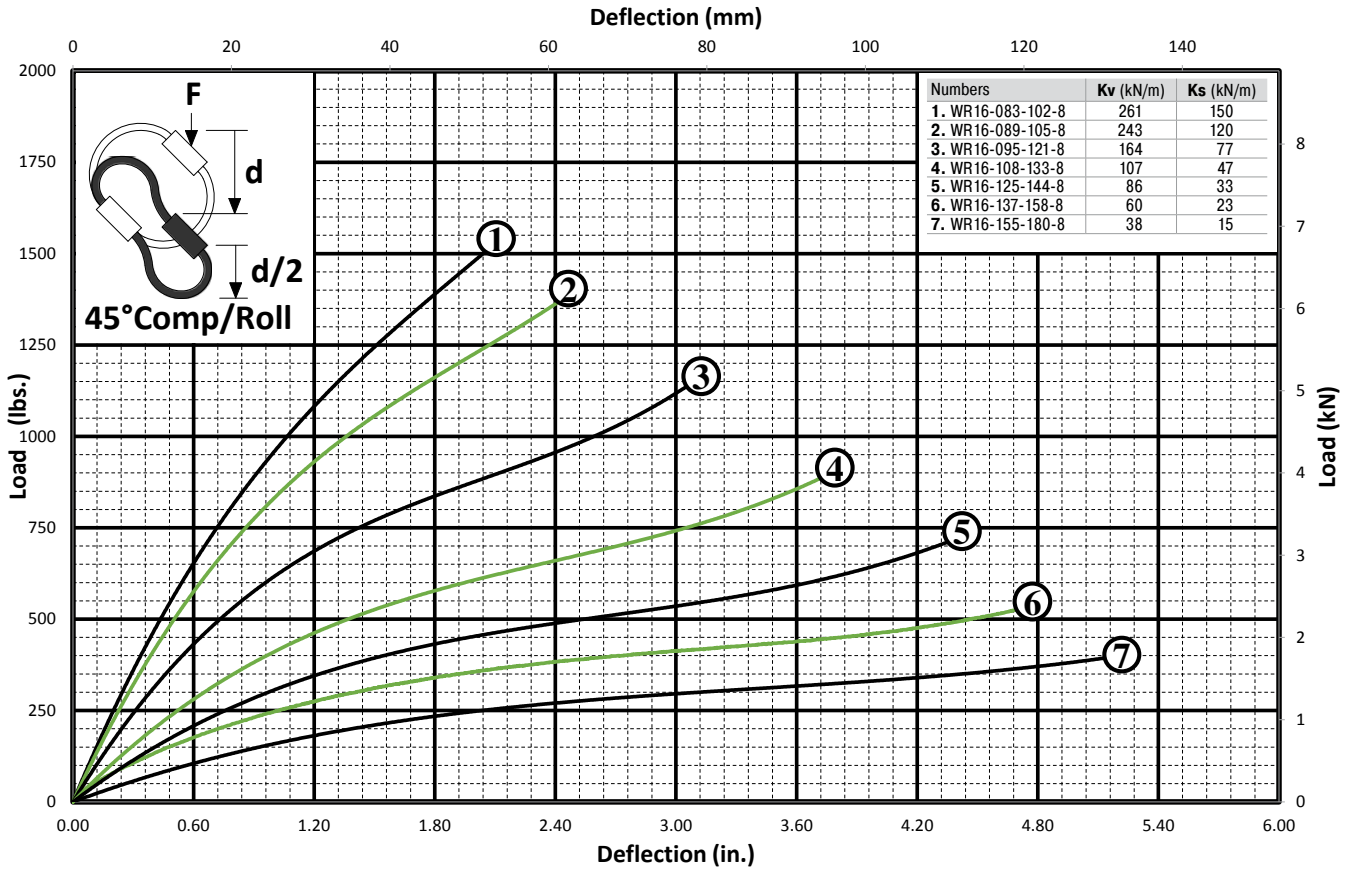
Shear



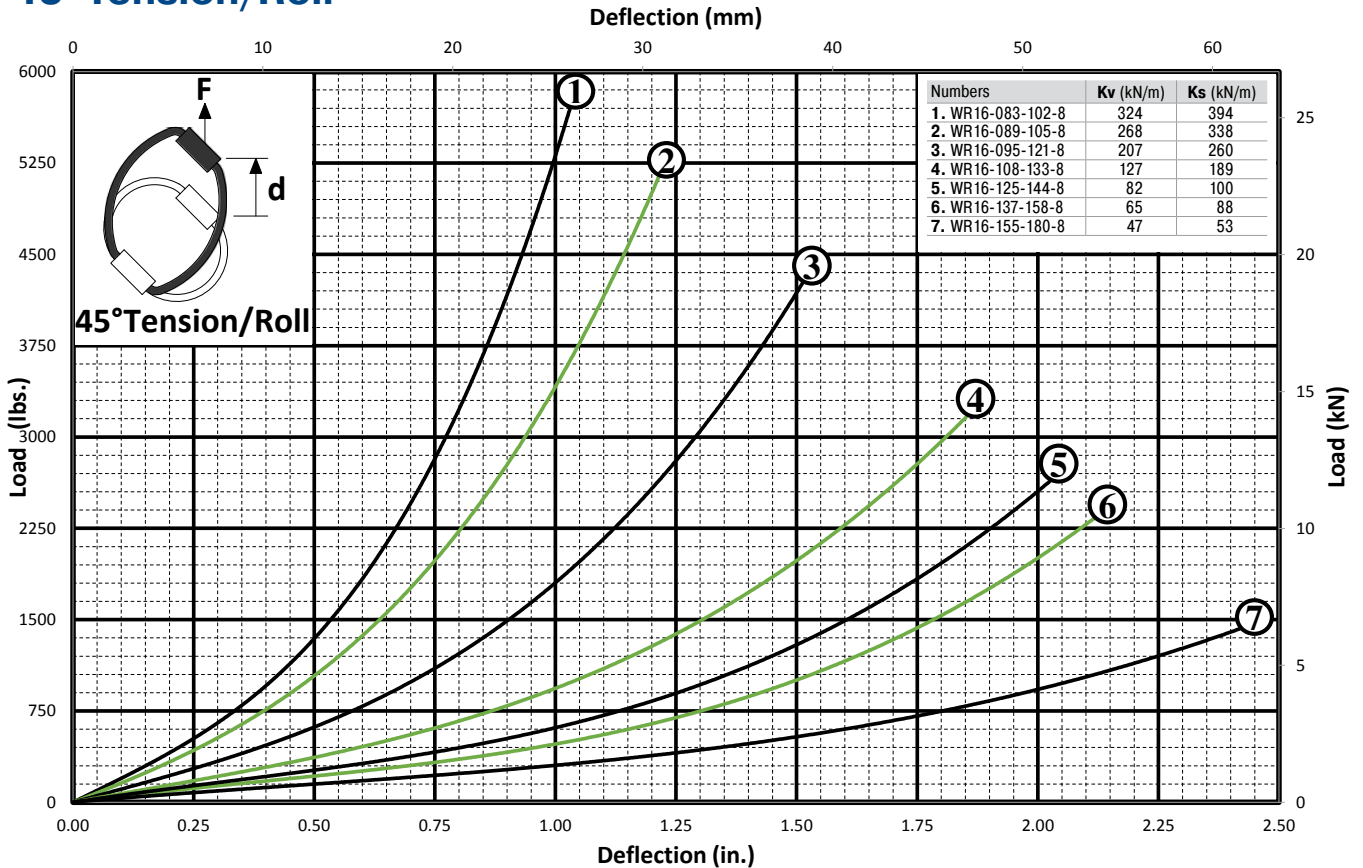
Roll



45° Compression/Roll



45° Tension/Roll



Product also available in stainless steel



WR20

Helical Isolator

15.88 mm (5/8") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

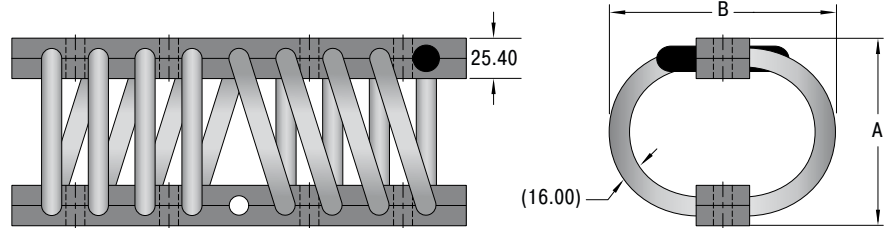
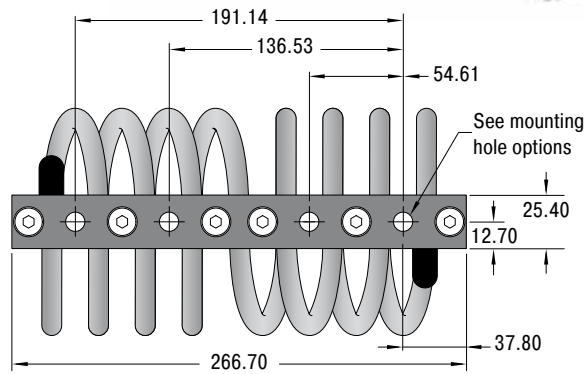
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (Alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 1.02 kg to Isolator weight for all stainless steel versions

On request

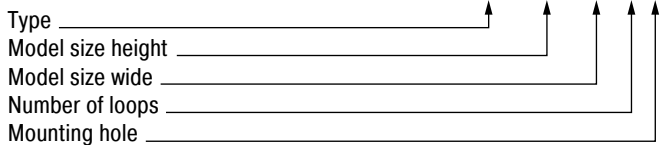
Special materials, size, mounting holes, finish, etc. available



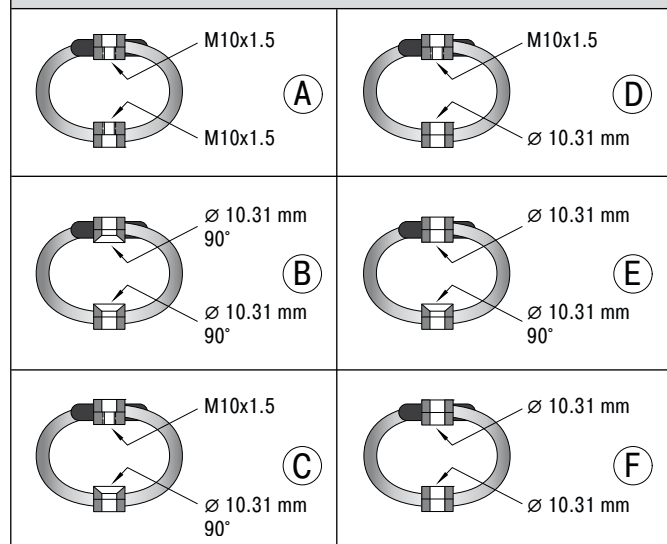
Performance

TYPEN	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR20-089-102-8	88.9	101.6	1,228	613	30.5	378	307	30.5	2.880
WR20-099-112-8	99.1	111.8	992	476	40.6	258	238	40.6	2.950
WR20-109-135-8	109.2	134.6	787	308	50.8	167	158	50.8	3.180
WR20-119-153-8	119.4	152.6	444	204	61.0	103	106	61.0	3.740
WR20-127-165-8	127.0	165.1	355	161	68.6	98	87	68.6	3.970
WR20-135-178-8	134.6	177.8	322	124	76.2	70	71	76.2	4.220
WR20-152-197-8	152.4	196.8	262	87	94.0	44	48	94.0	4.630

Ordering Example

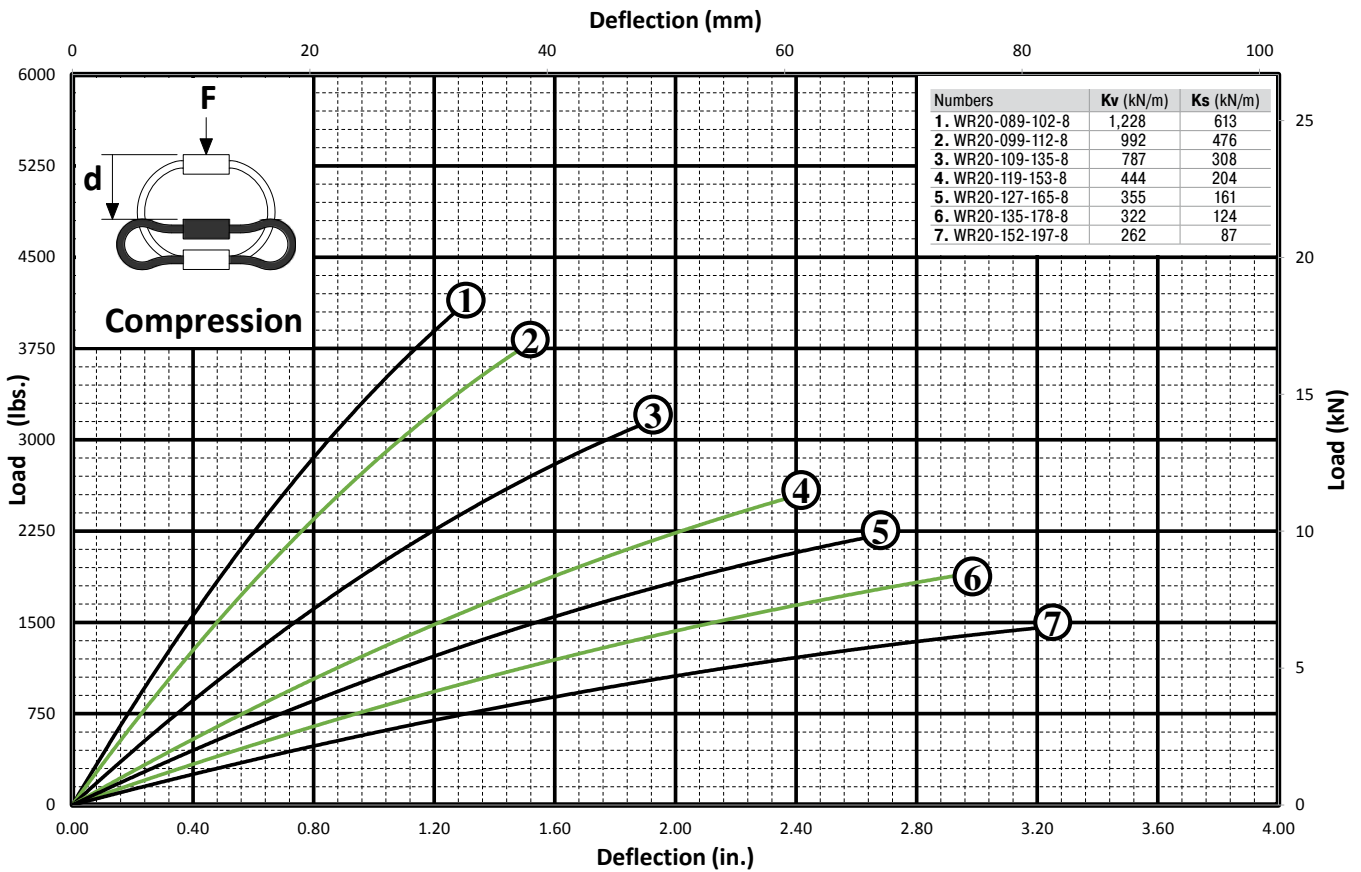


Mounting Hole Options

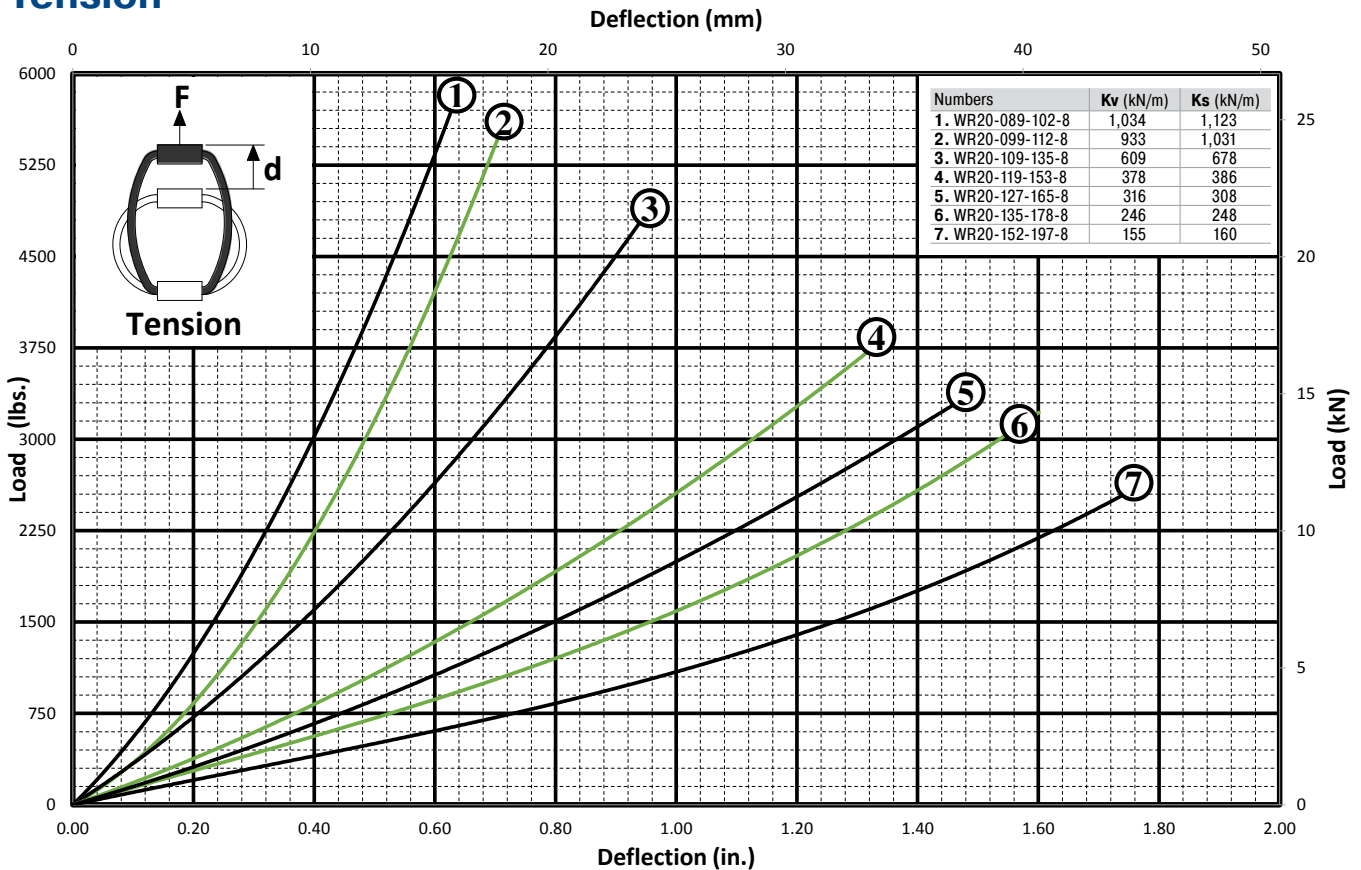


Issue 07.2020 – Specifications subject to change

Compression

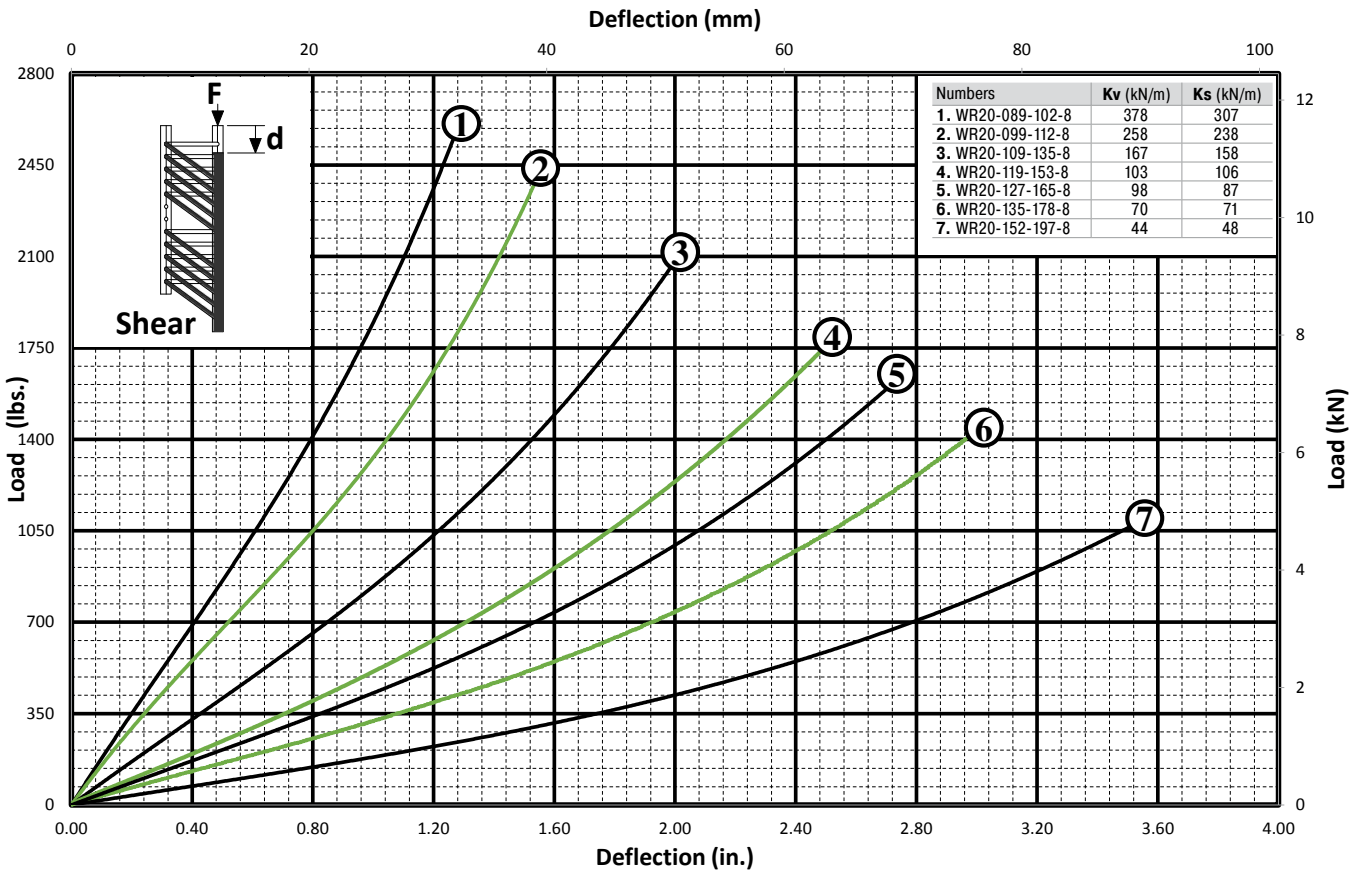


Tension

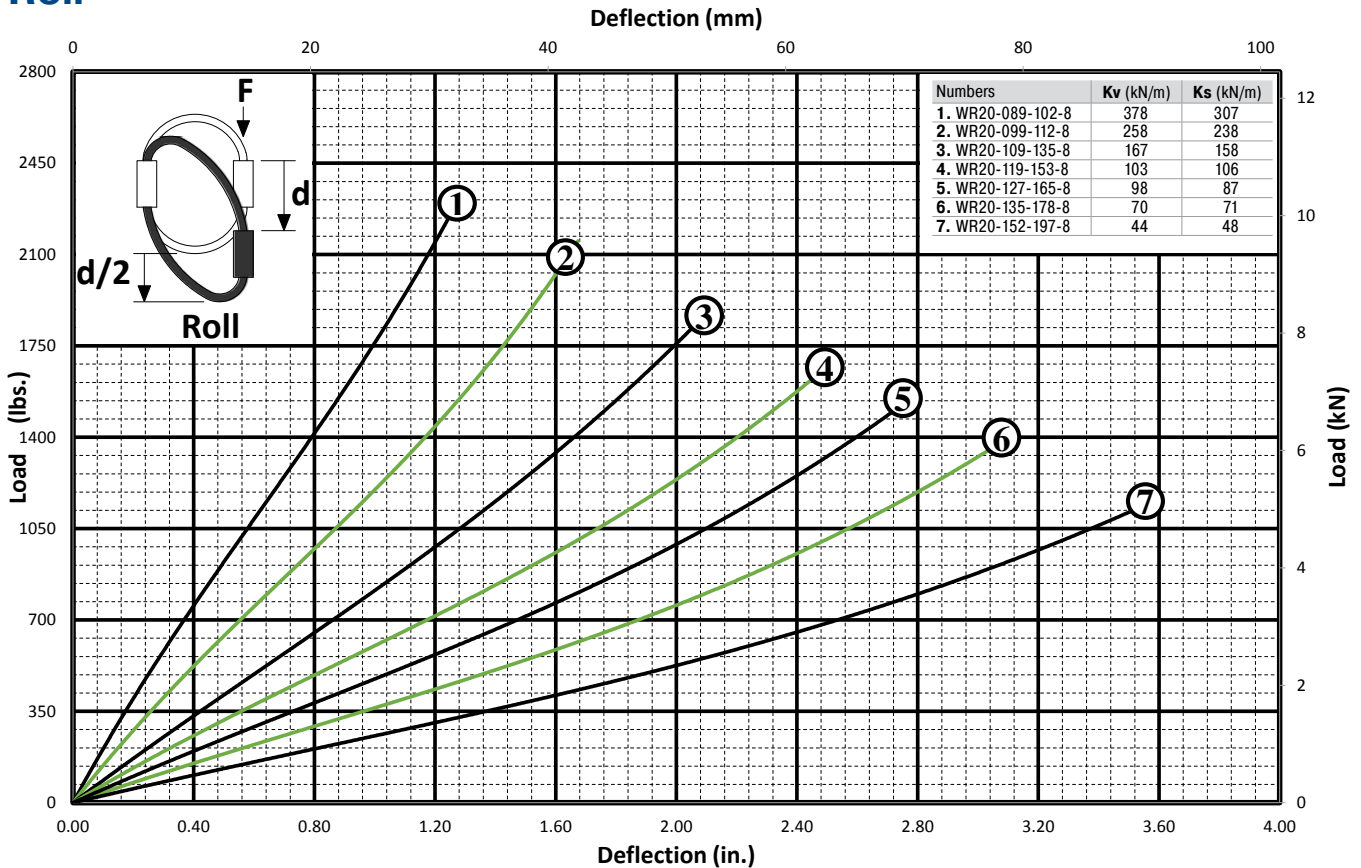


Issue 07.2020 – Specifications subject to change

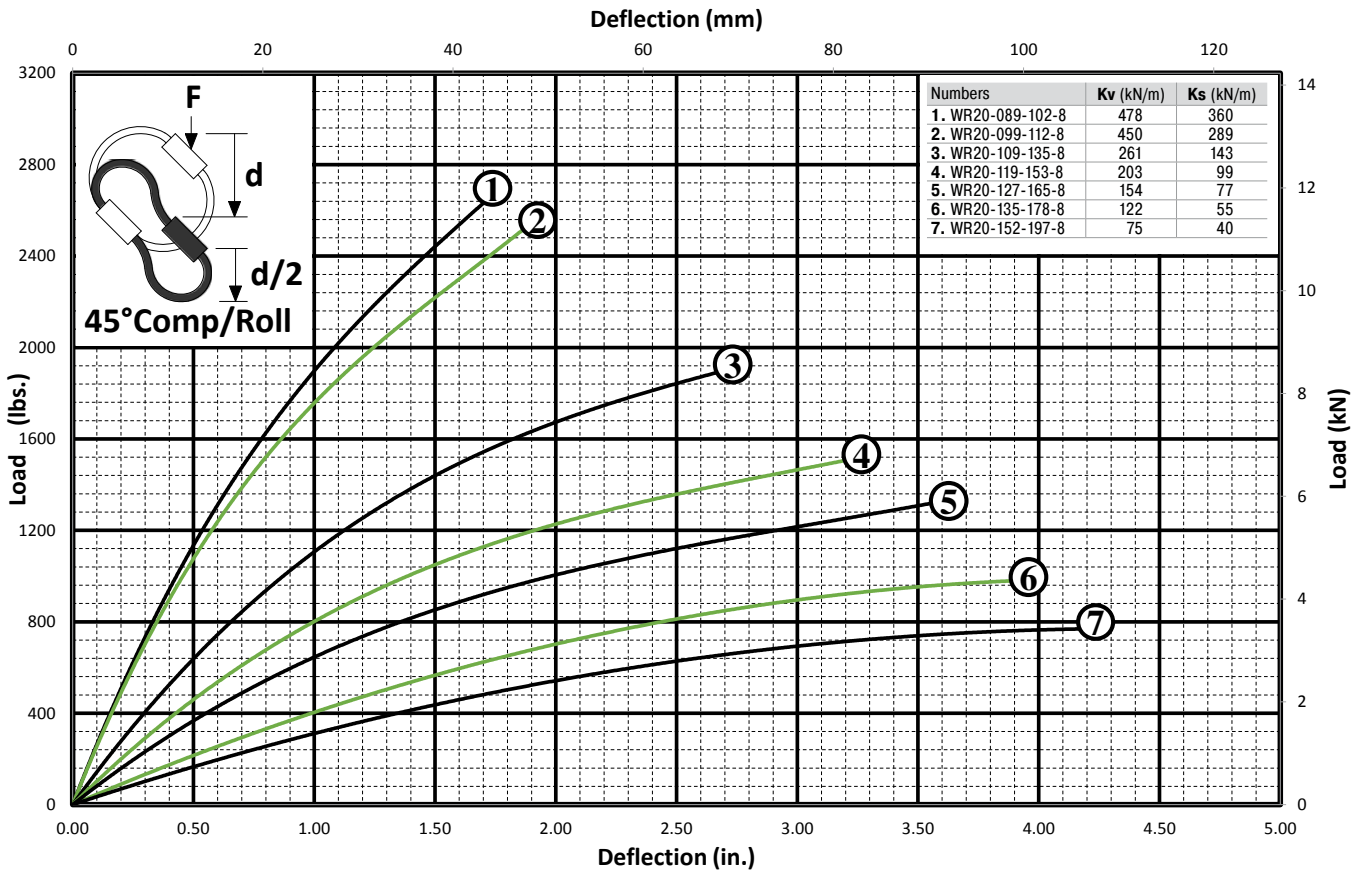
Shear



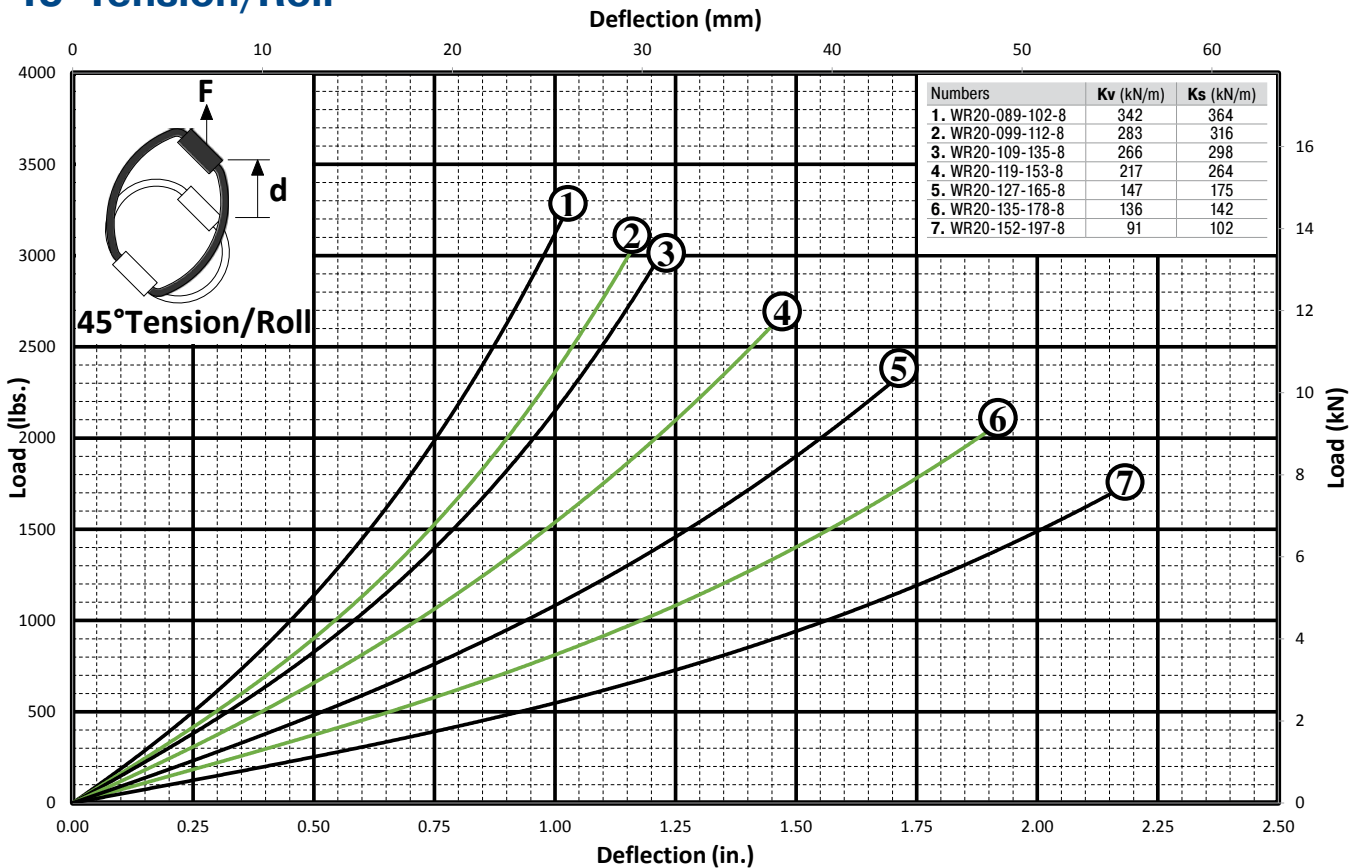
Roll



45° Compression/Roll



45° Tension/Roll



Issue 07.2020 – Specifications subject to change

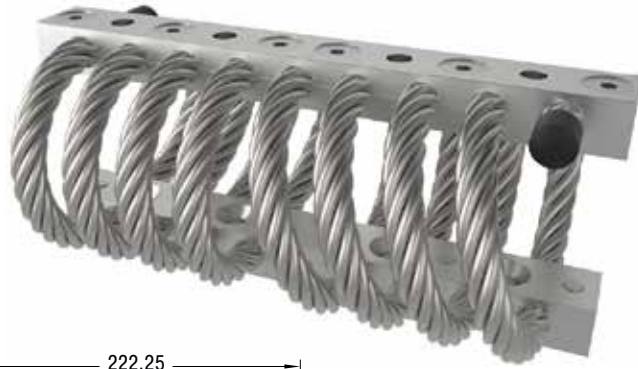
Product also available in stainless steel



WR24

Helical Isolator

19.05 mm (3/4") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

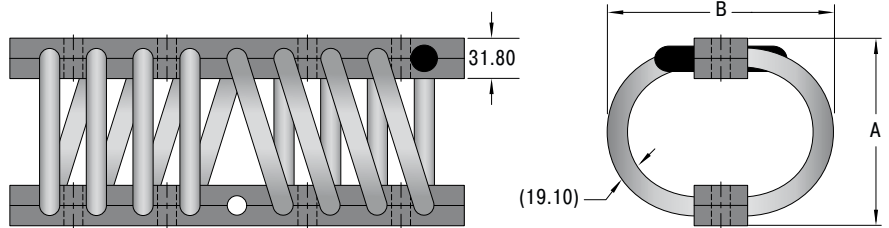
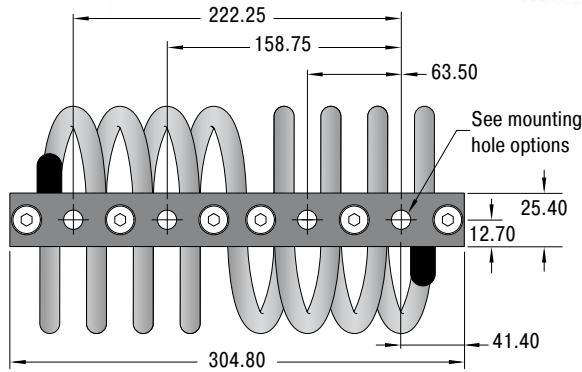
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (Alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 1.53 kg to Isolator weight for all stainless steel versions

On request

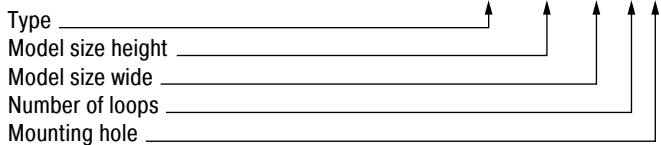
Special materials, size, mounting holes, finish, etc. available



Performance

TYPEN	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR24-102-108-8	101.6	108.0	1,099	668	30.5	420	443	30.5	4.760
WR24-112-118-8	111.8	118.1	942	644	40.6	406	381	40.6	5.060
WR24-122-140-8	121.9	139.7	807	452	50.8	306	257	50.8	5.450
WR24-131-159-8	131.1	158.8	709	367	61.0	212	199	61.0	5.740
WR24-140-172-8	139.7	171.5	588	311	68.6	178	188	68.6	5.930
WR24-152-210-8	152.4	209.6	422	235	81.3	134	143	81.3	6.210

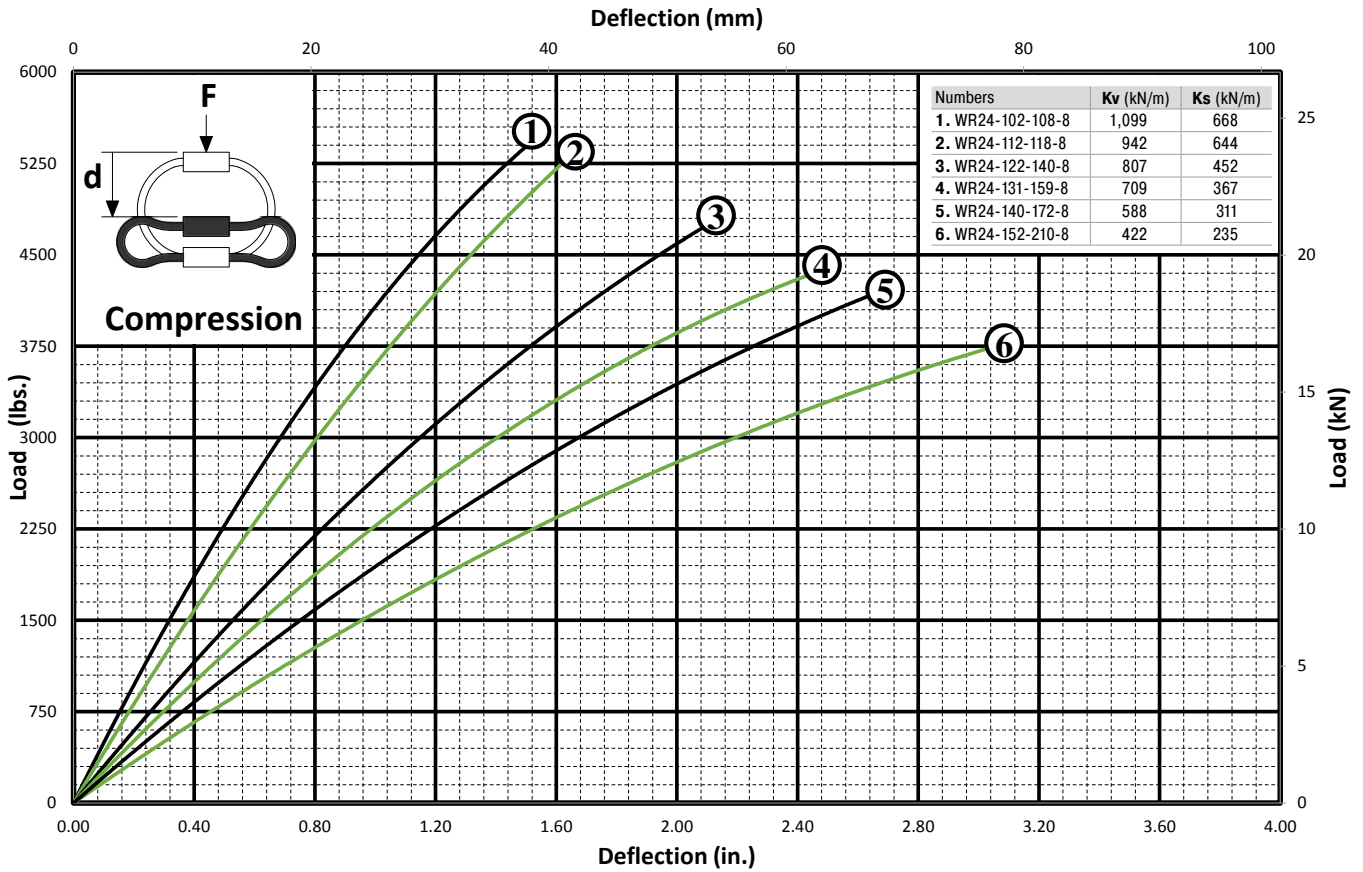
Ordering Example



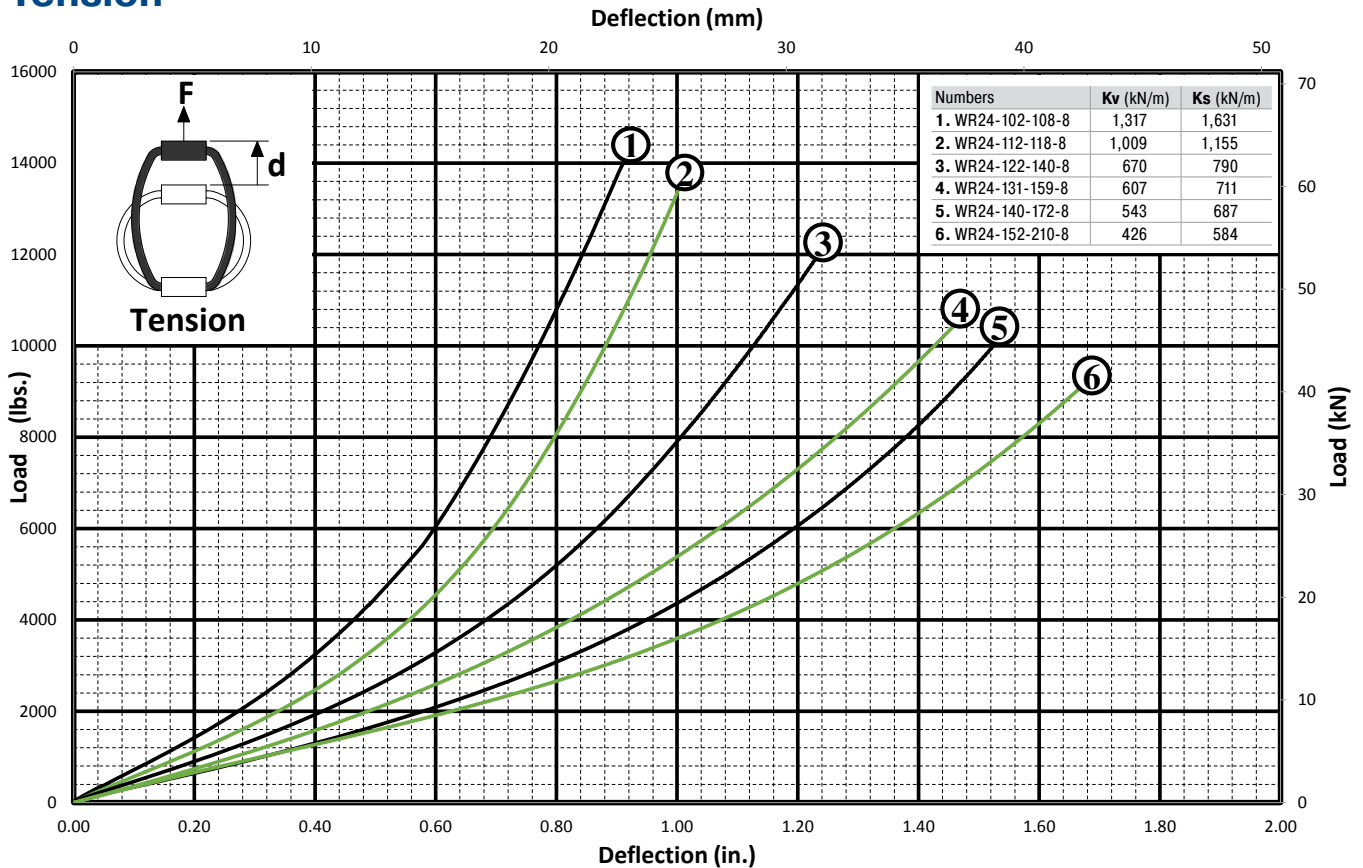
Mounting Hole Options	
<p>A</p>	<p>D</p>
<p>B</p>	<p>E</p>
<p>C</p>	<p>F</p>

Issue 07.2020 – Specifications subject to change

Compression

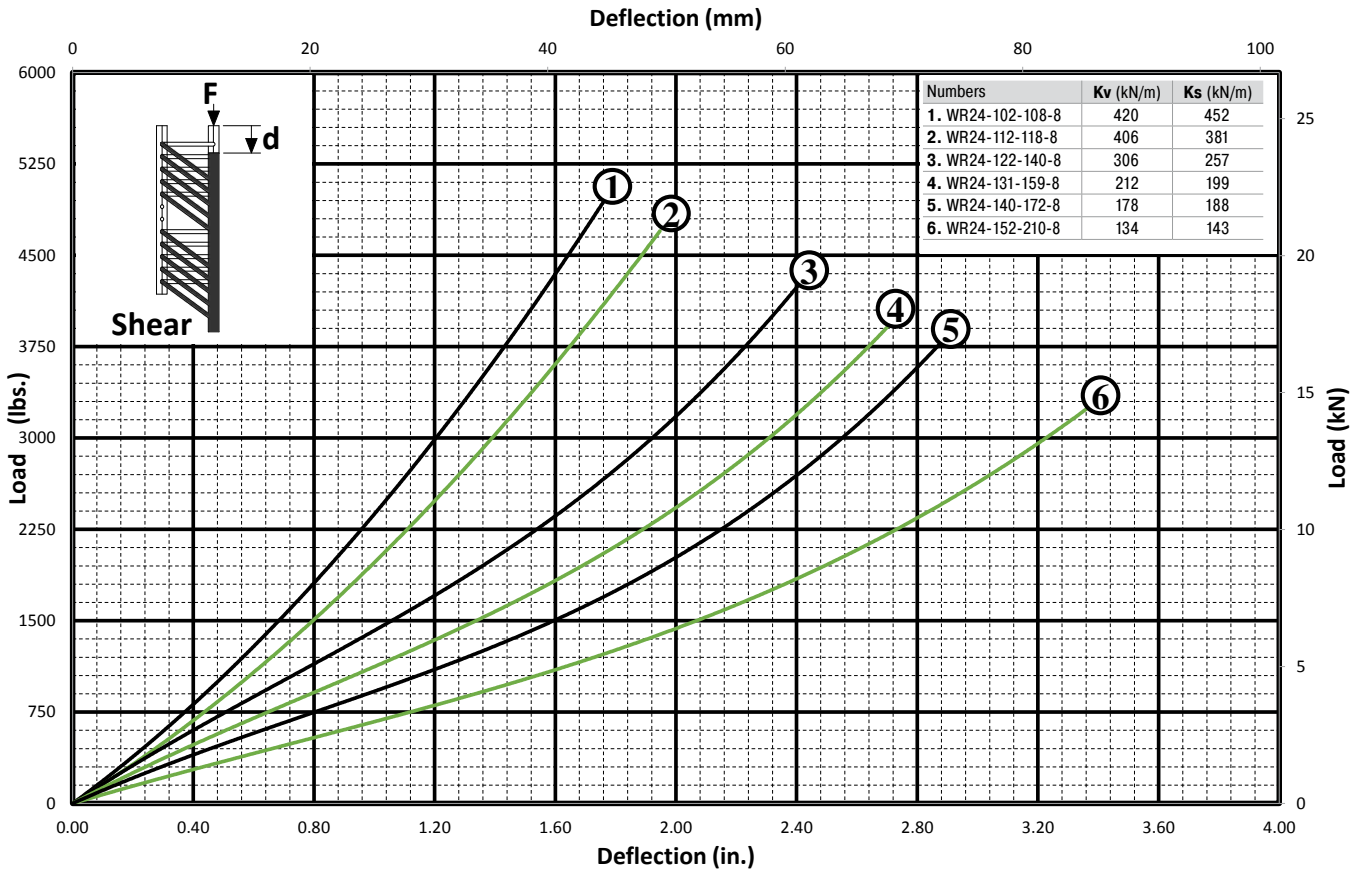


Tension

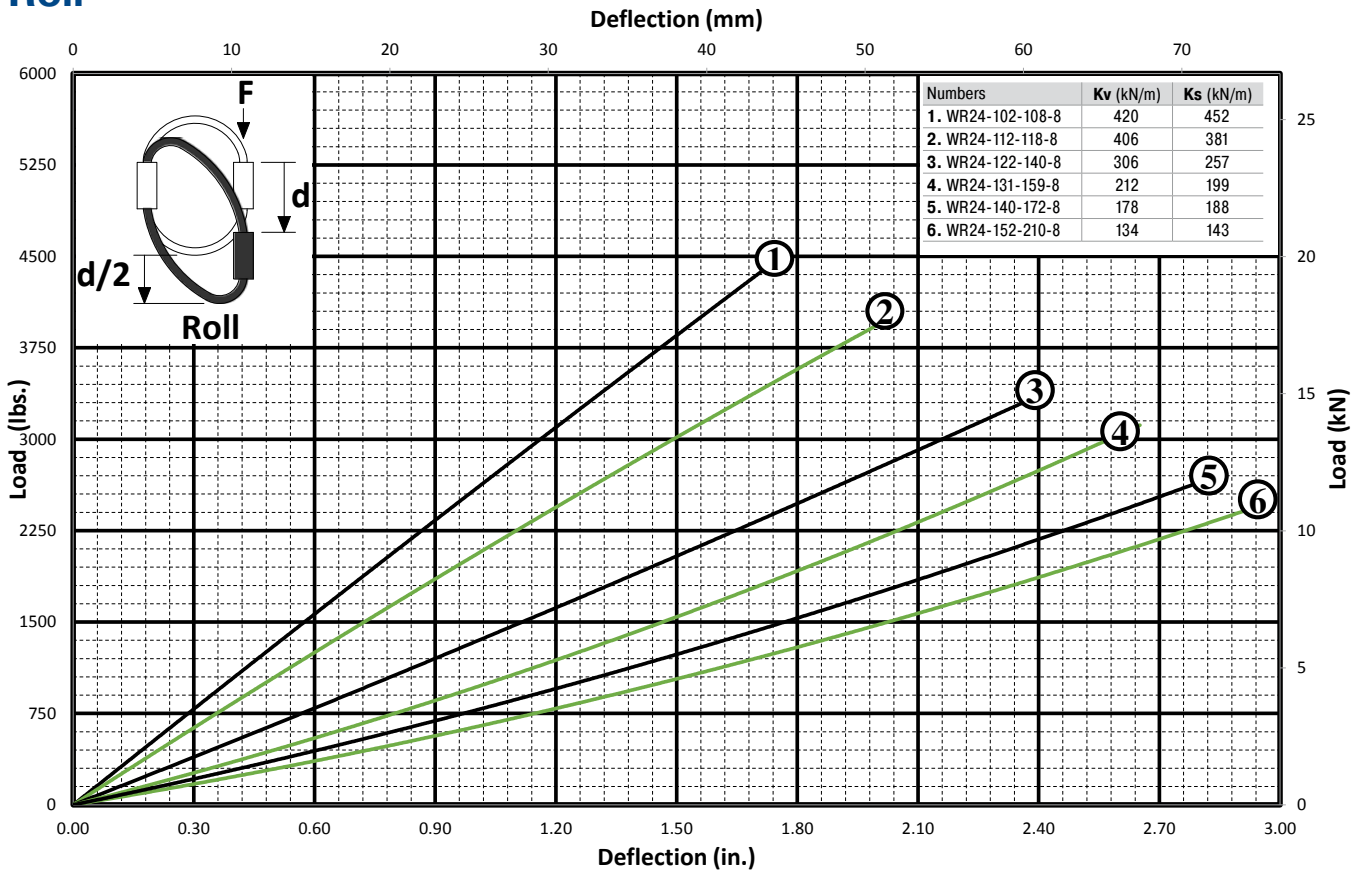


Issue 07.2020 – Specifications subject to change

Shear

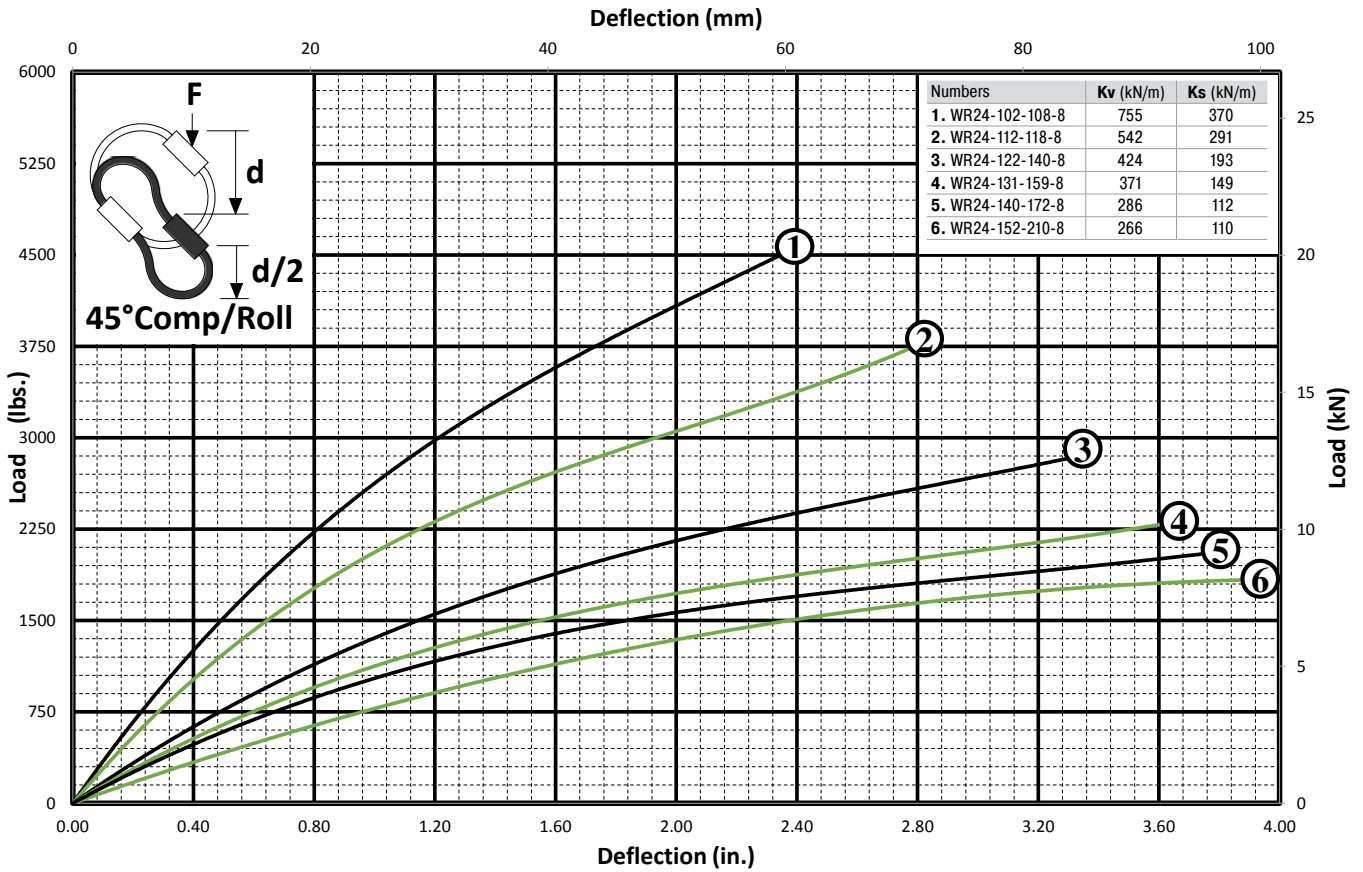


Roll

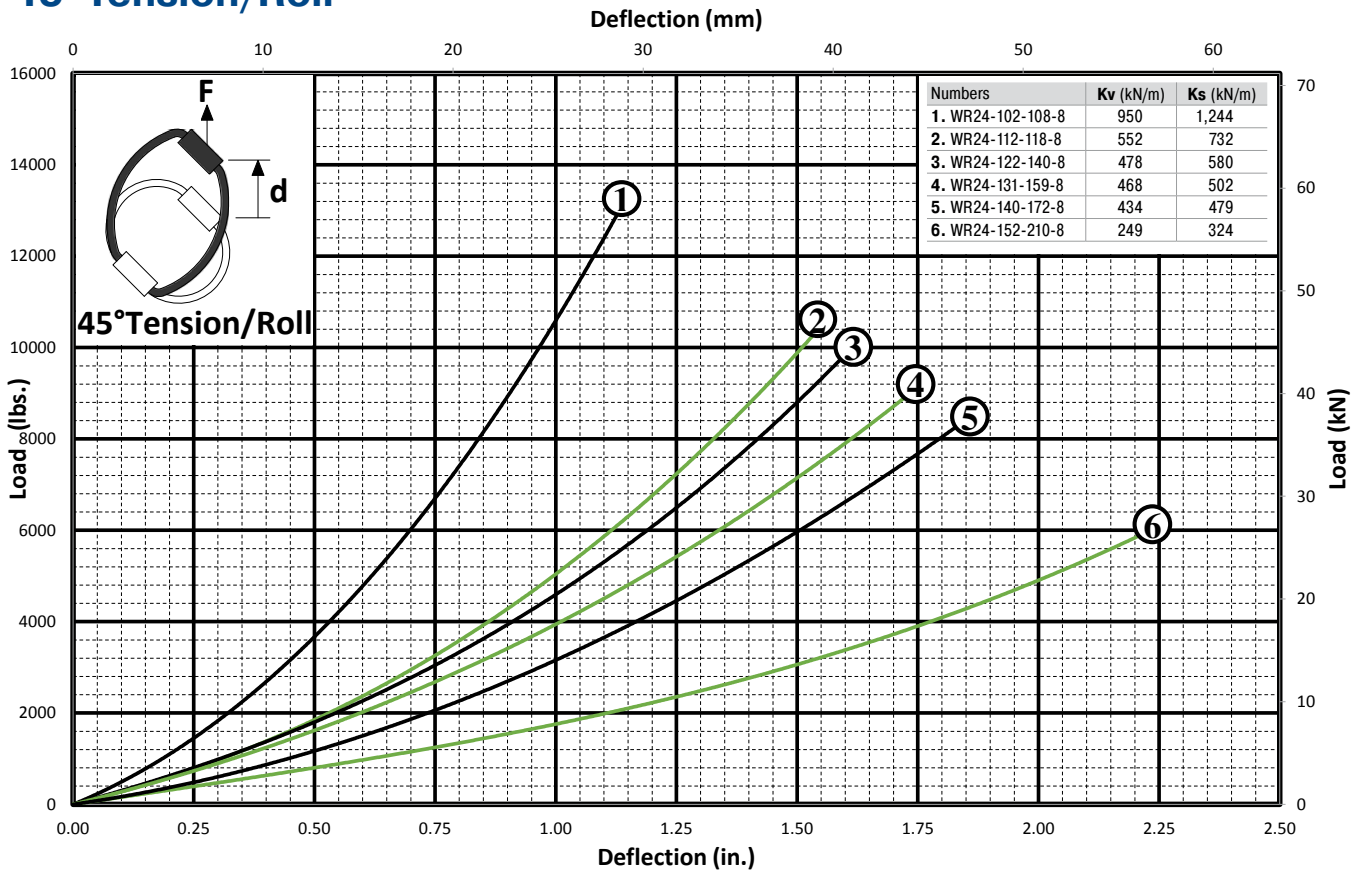


Issue 07.2020 – Specifications subject to change

45° Compression/Roll



45° Tension/Roll



Issue 07.2020 – Specifications subject to change

Product also available in stainless steel



WR28

Helical Isolator

22.23 mm (7/8") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

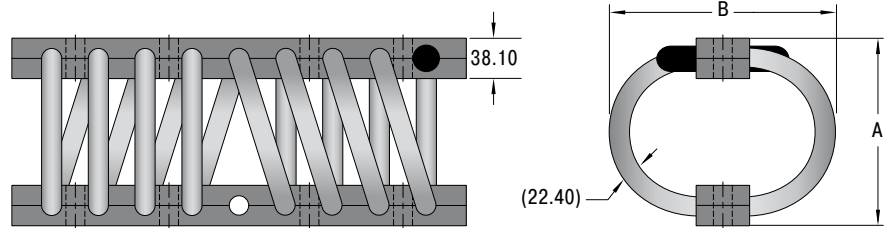
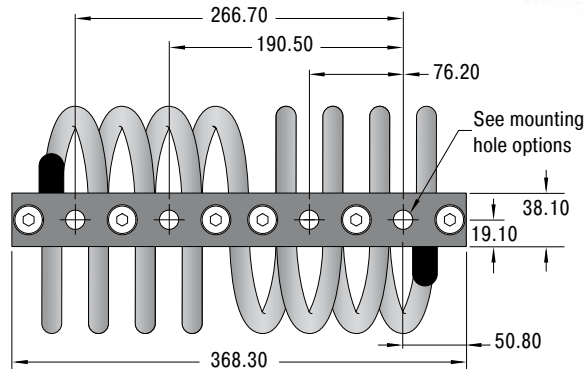
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (Alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 3.50 kg to Isolator weight for all stainless steel versions

On request

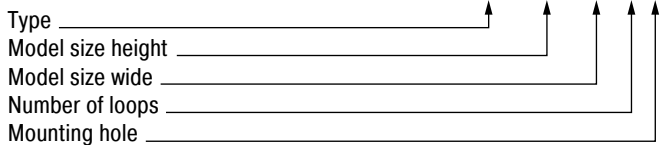
- Special materials, size, mounting holes, finish, etc. available



Performance

TYPEN	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR28-133-172-8	133.4	171.5	1,094	725	45.7	346	375	45.7	9.080
WR28-152-178-8	152.4	177.8	968	651	66.0	278	309	66.0	9.670
WR28-159-184-8	158.8	184.2	736	483	71.1	244	272	71.1	9.830
WR28-178-197-8	177.8	196.9	517	332	88.9	137	152	88.9	10.830
WR28-191-210-8	190.5	209.6	444	238	101.6	116	128	101.6	11.400
WR28-216-235-8	215.9	235.0	323	155	127.0	82	88	127.0	12.200

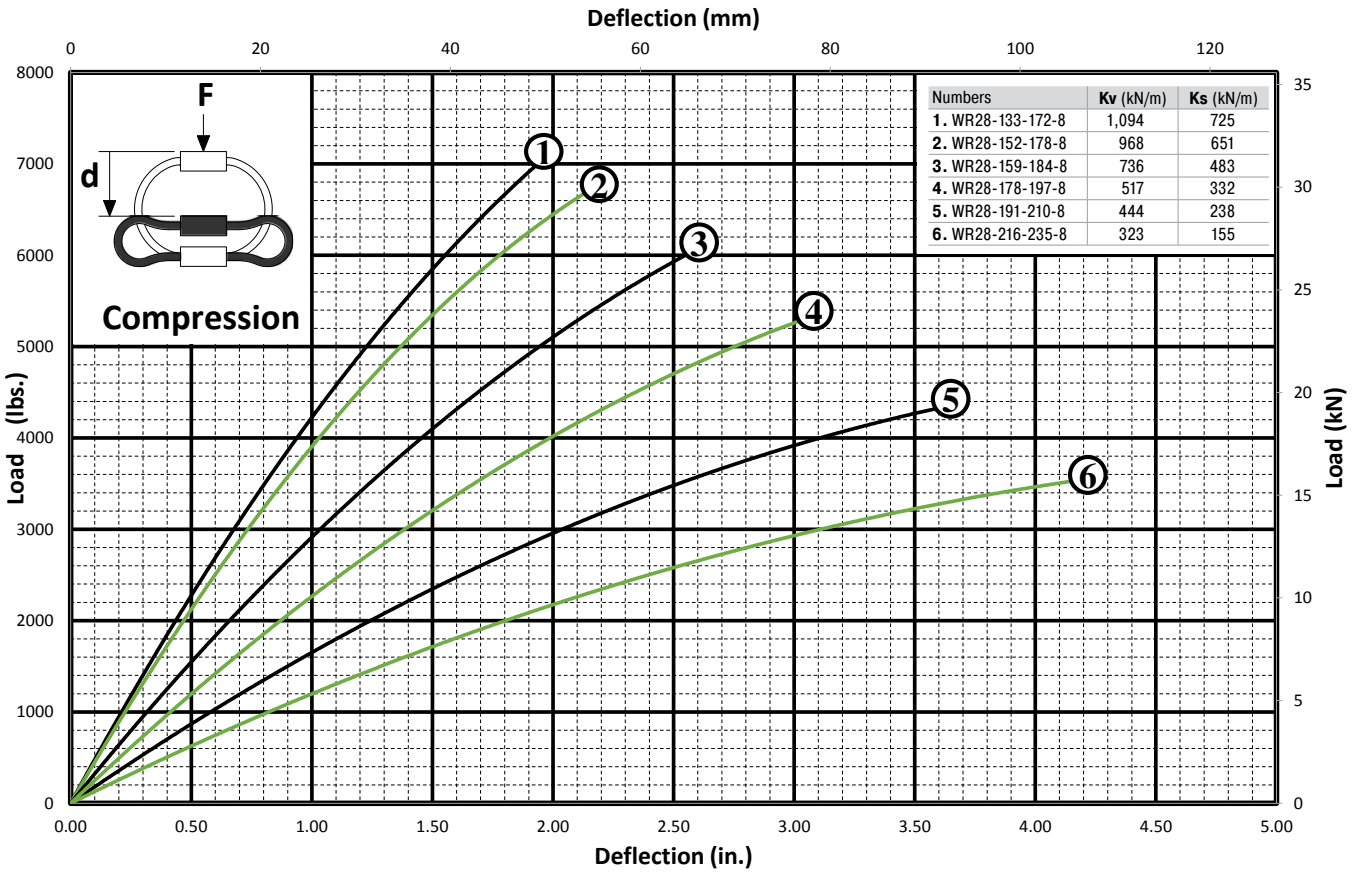
Ordering Example



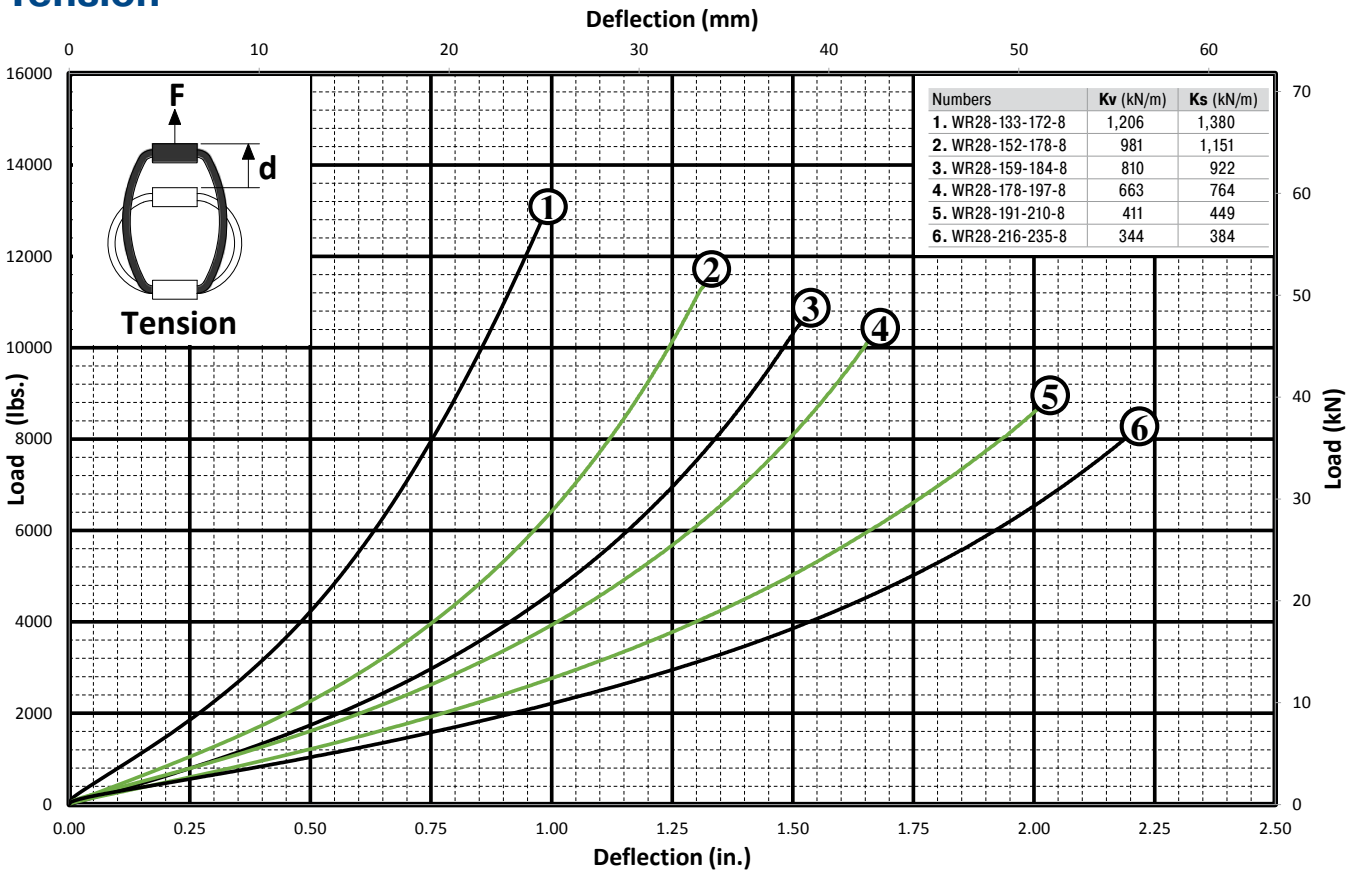
Mounting Hole Options	
<p>A</p>	<p>D</p>
<p>B</p>	<p>E</p>
<p>C</p>	<p>F</p>

Issue 07.2020 – Specifications subject to change

Compression

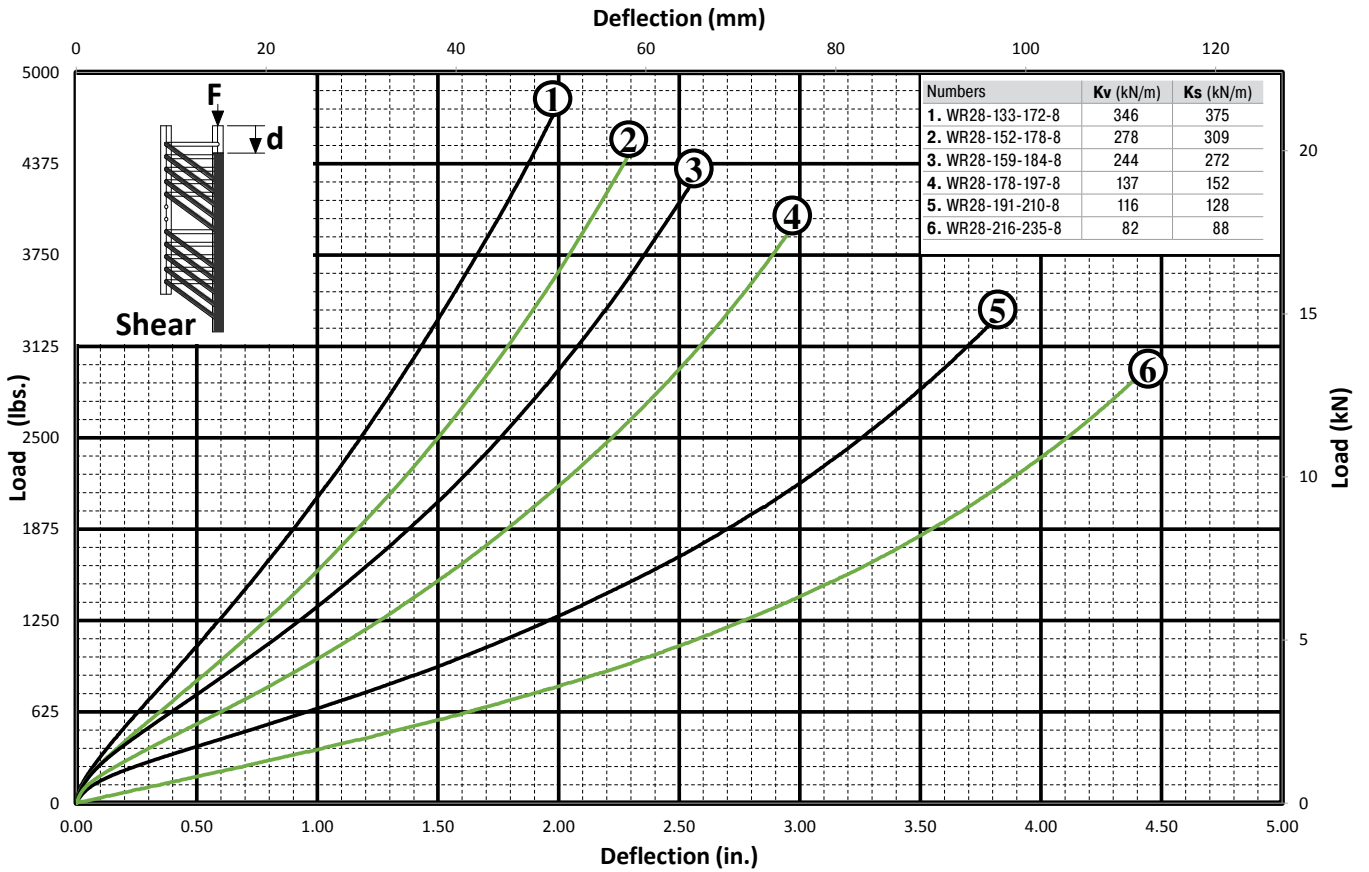


Tension

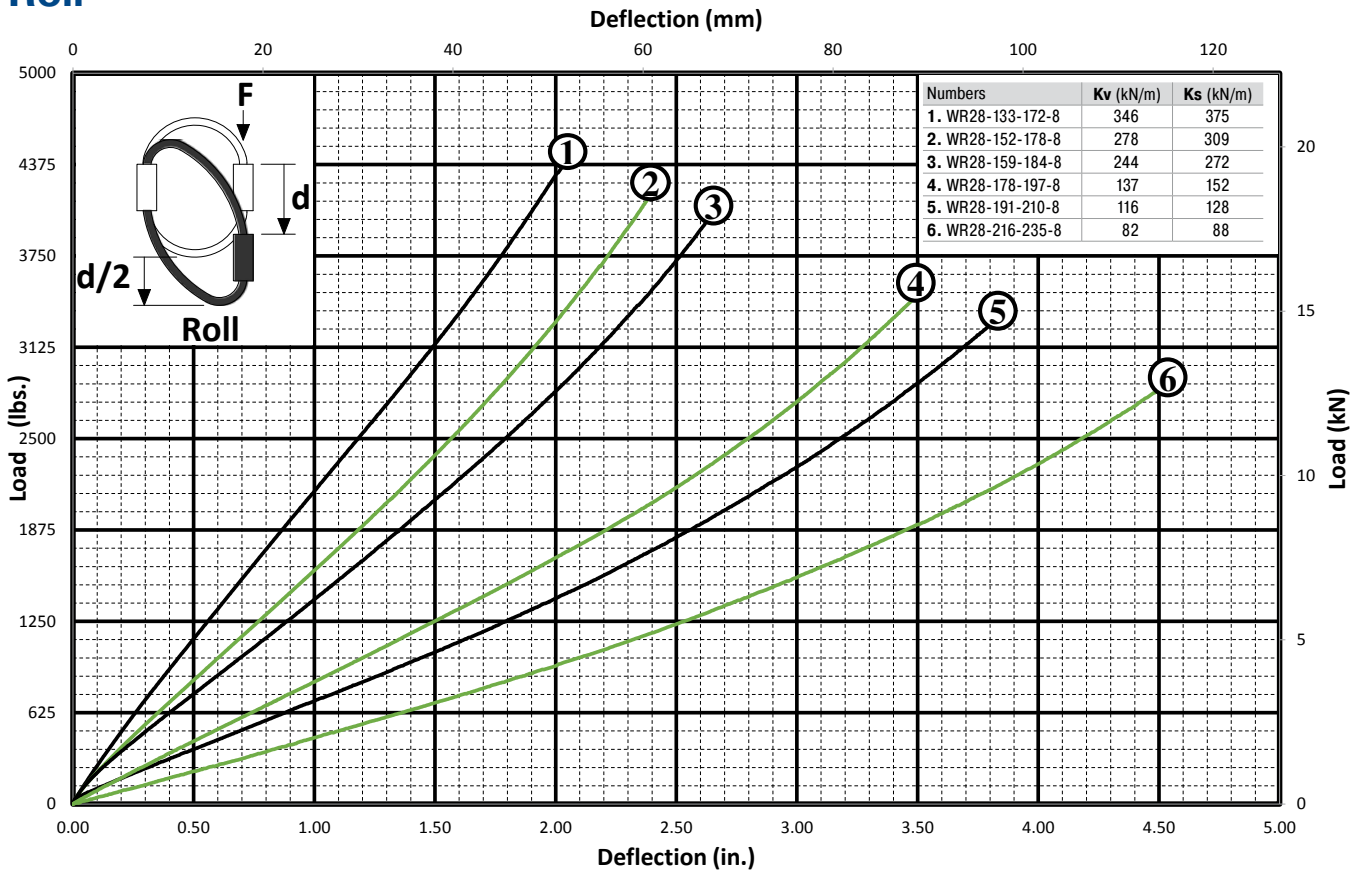


Issue 07.2020 – Specifications subject to change

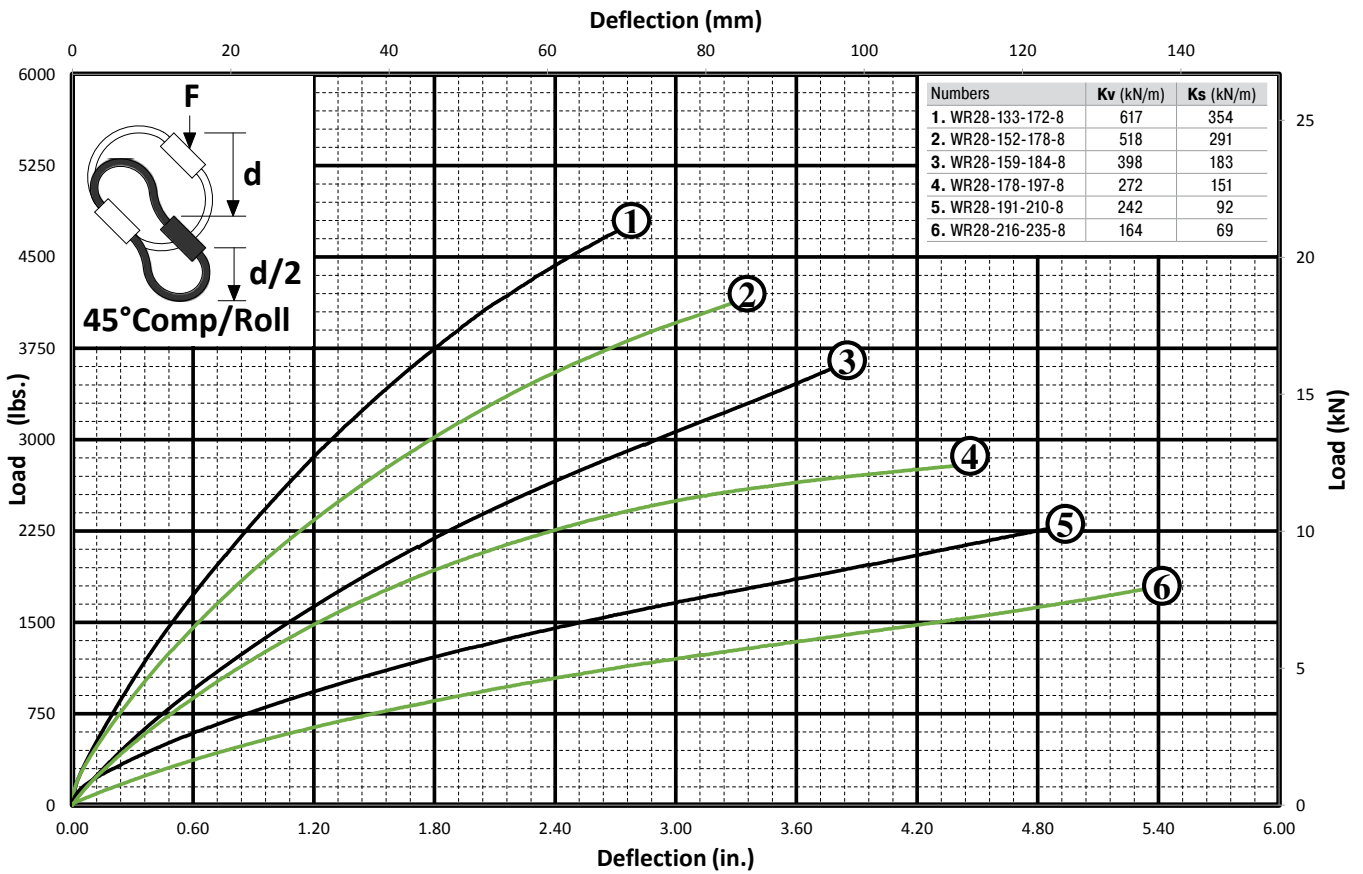
Shear



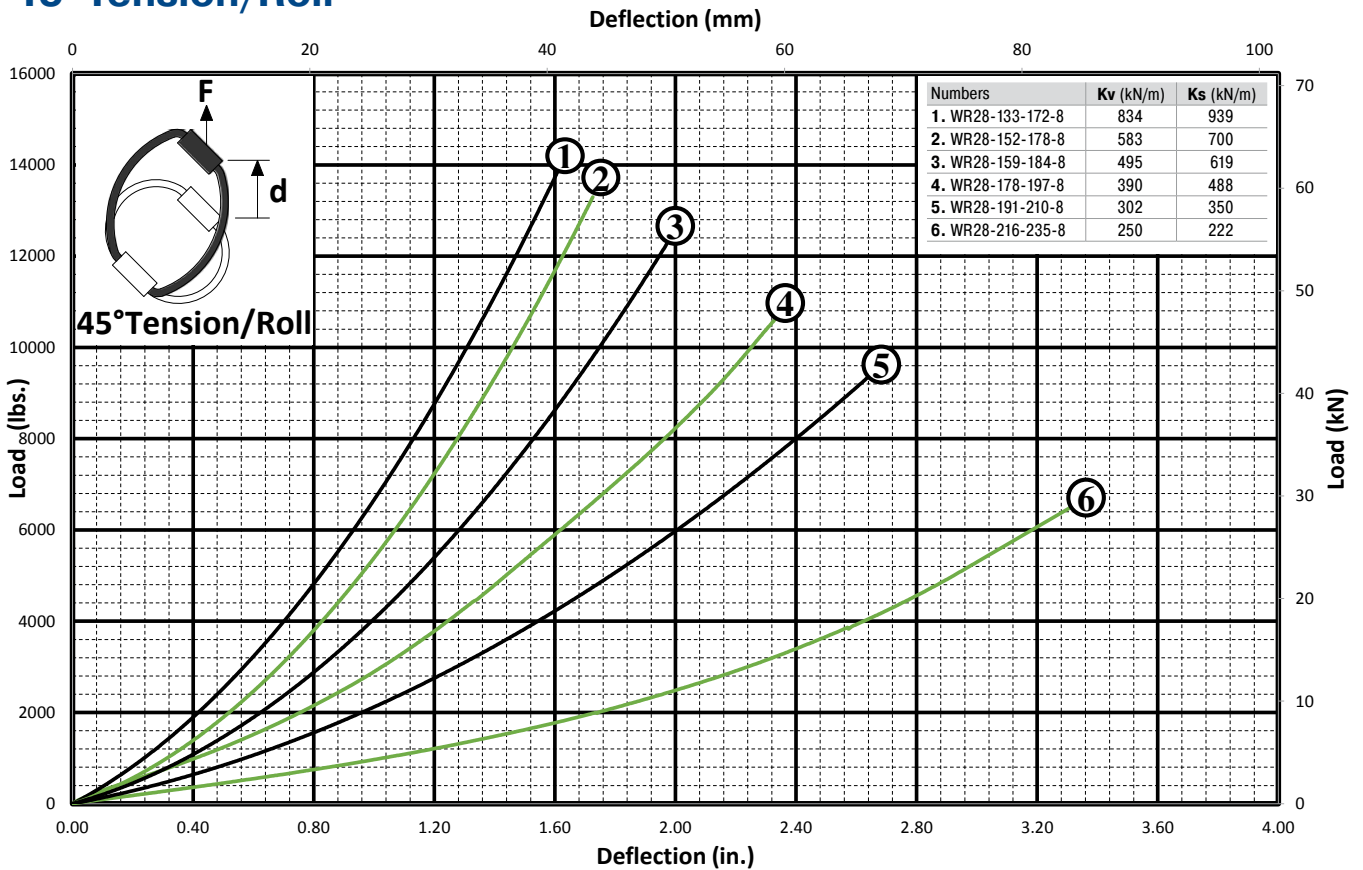
Roll



45° Compression/Roll



45° Tension/Roll



Product also available in stainless steel



WR32

Helical Isolator

25.40 mm (1") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

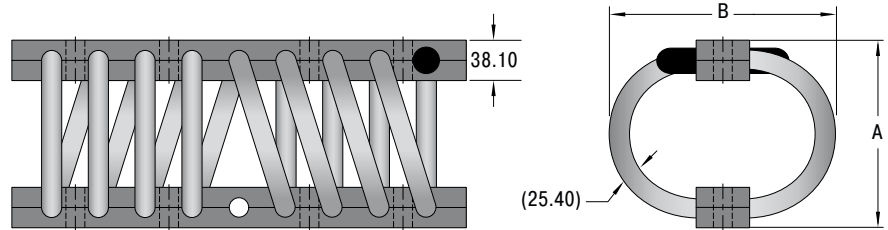
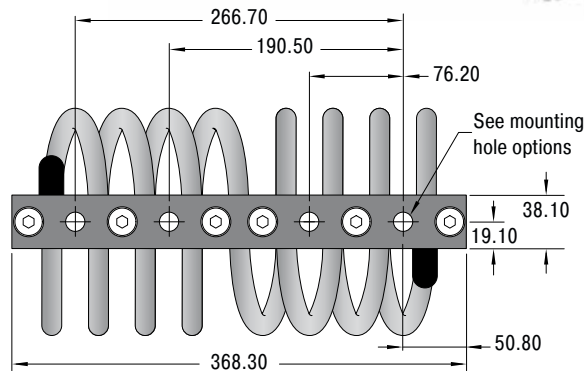
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (Alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 3.05 kg to Isolator weight for all stainless steel versions

On request

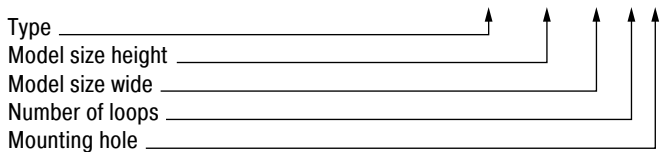
Special materials, size, mounting holes, finish, etc. available



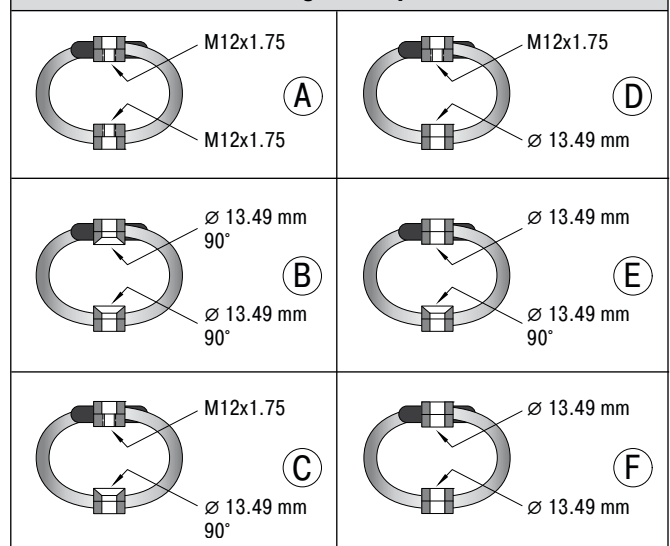
Performance

TYPEN	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR32-133-178-8	133.4	177.8	1,901	1,083	45.7	850	559	45.7	11.320
WR32-152-184-8	152.4	184.2	1,607	915	66.0	667	450	66.0	11.710
WR32-159-191-8	158.8	190.5	1,311	719	71.1	637	421	71.1	12.080
WR32-178-203-8	177.8	203.2	751	427	88.9	457	306	88.9	12.890
WR32-191-216-8	190.5	215.9	663	368	101.6	358	220	101.6	14.170
WR32-216-241-8	215.9	241.3	502	277	127.0	249	161	127.0	15.340

Ordering Example

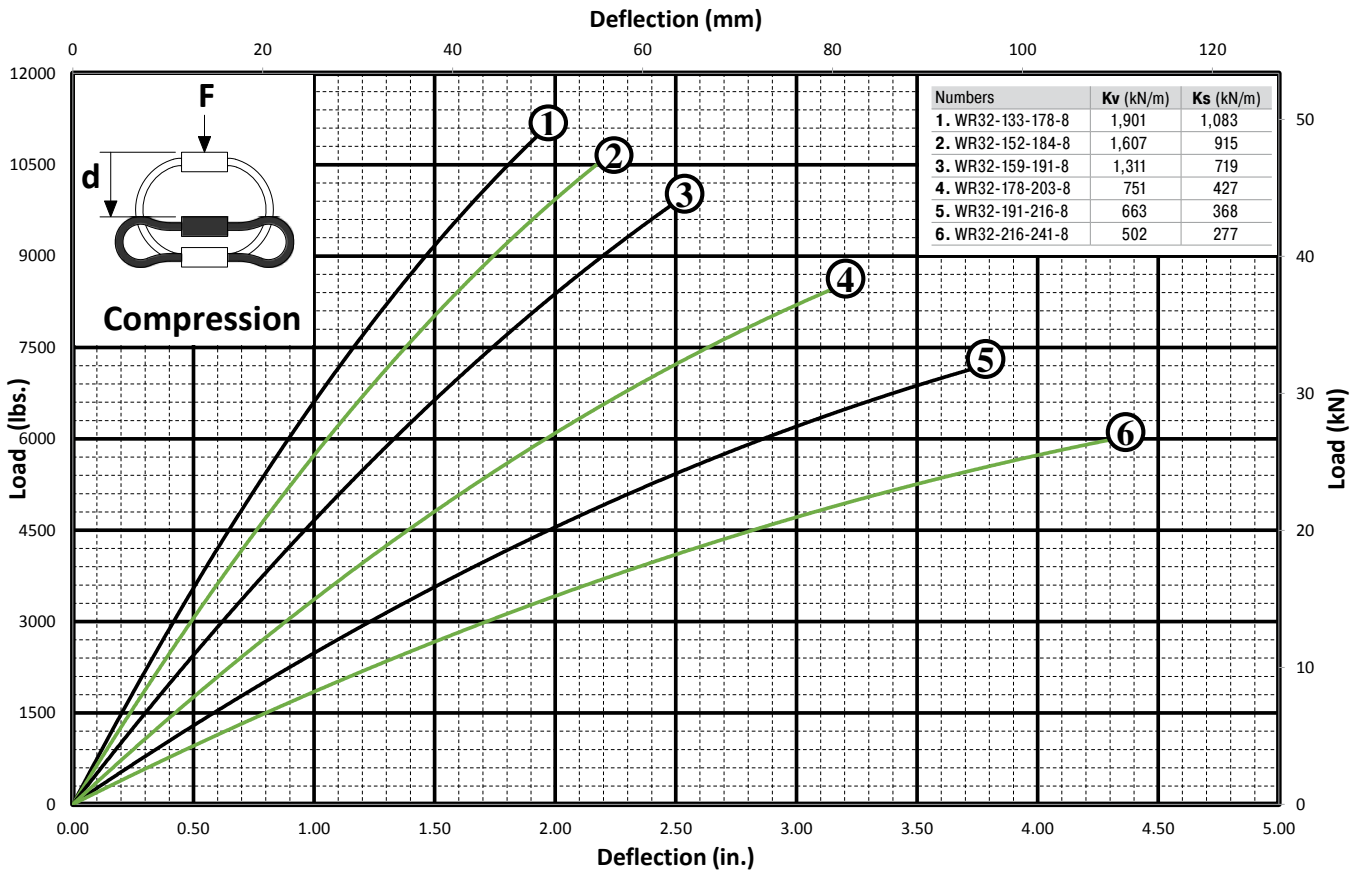


Mounting Hole Options

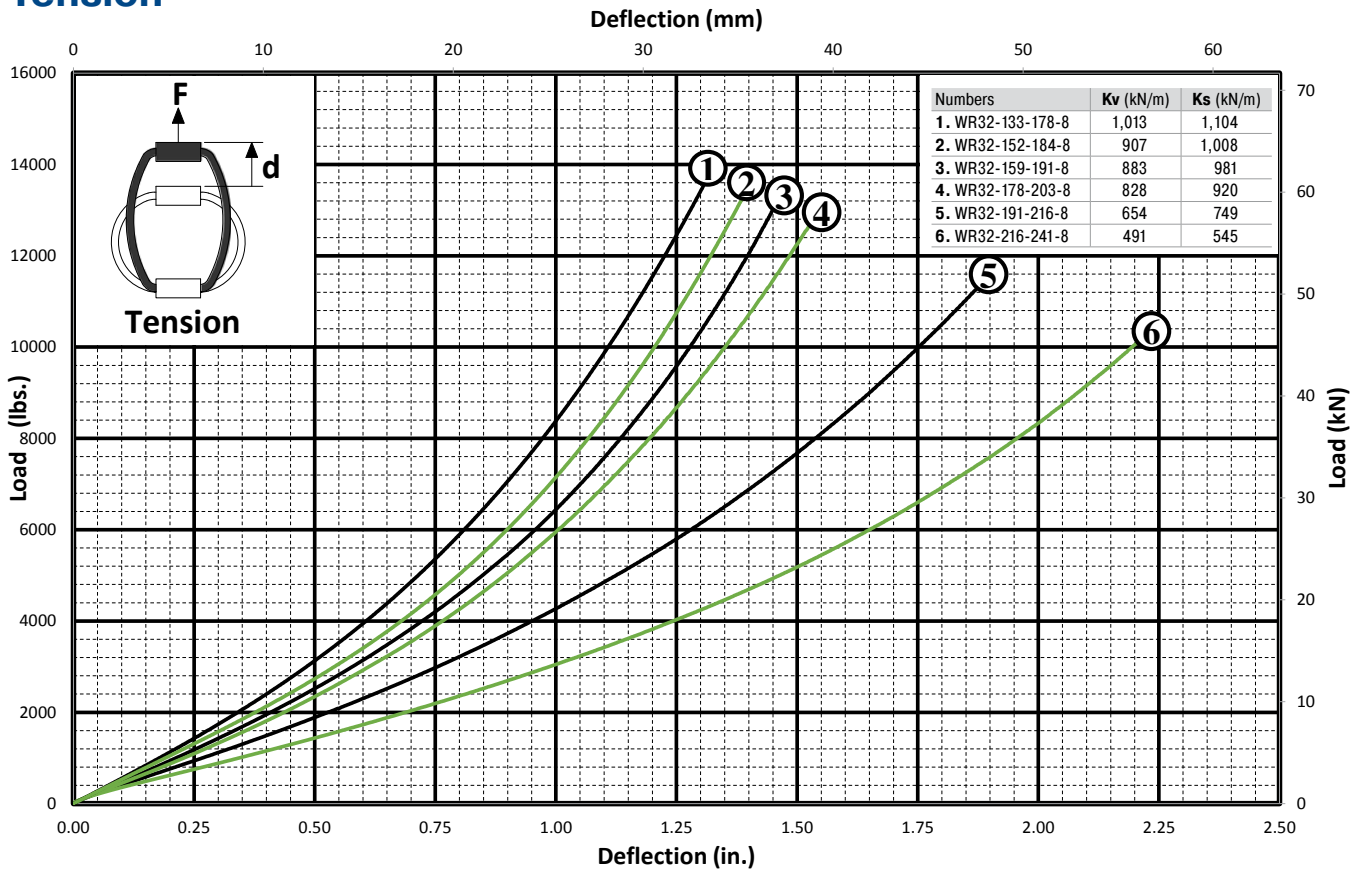


Issue 07.2020 – Specifications subject to change

Compression

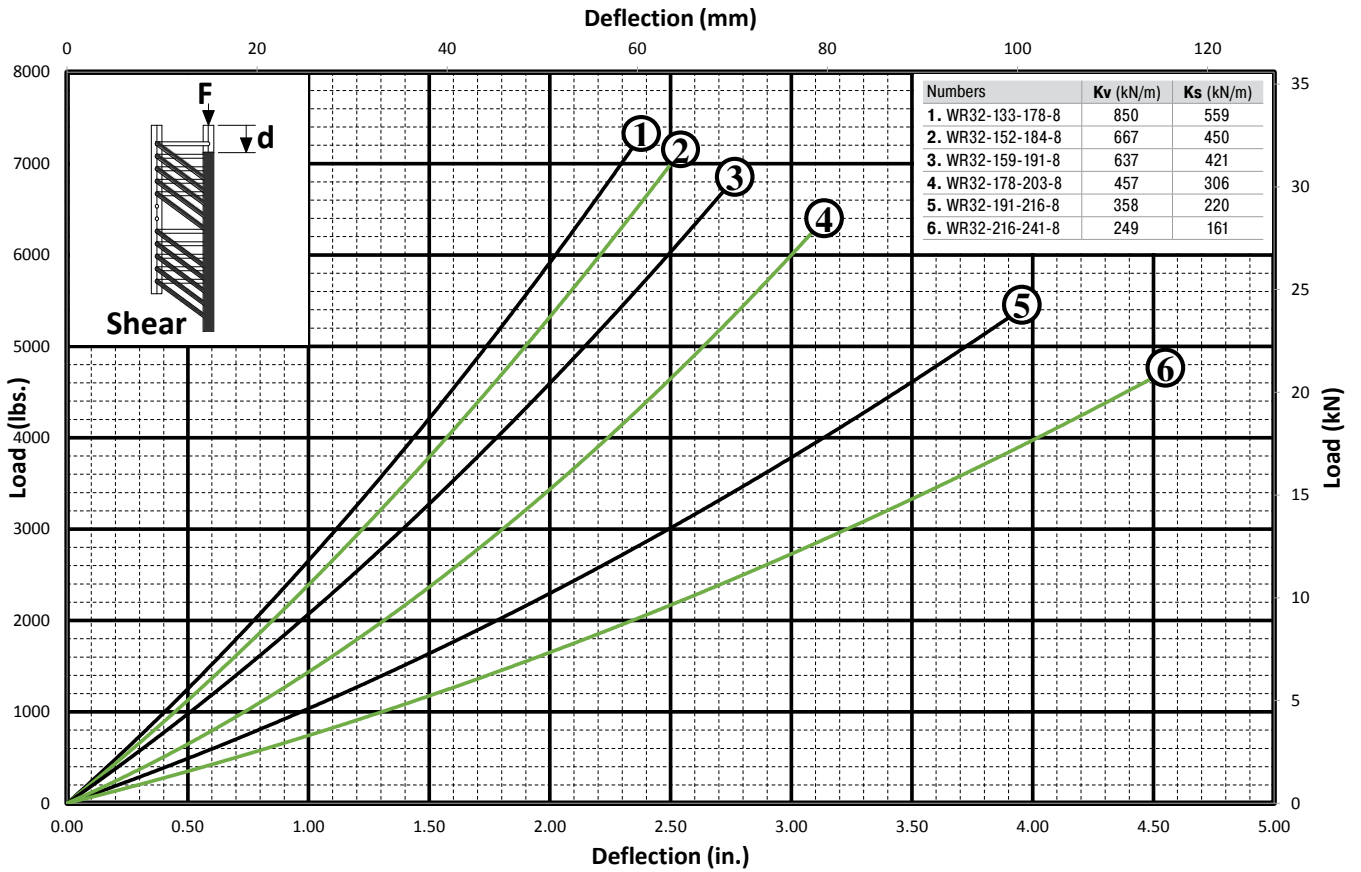


Tension

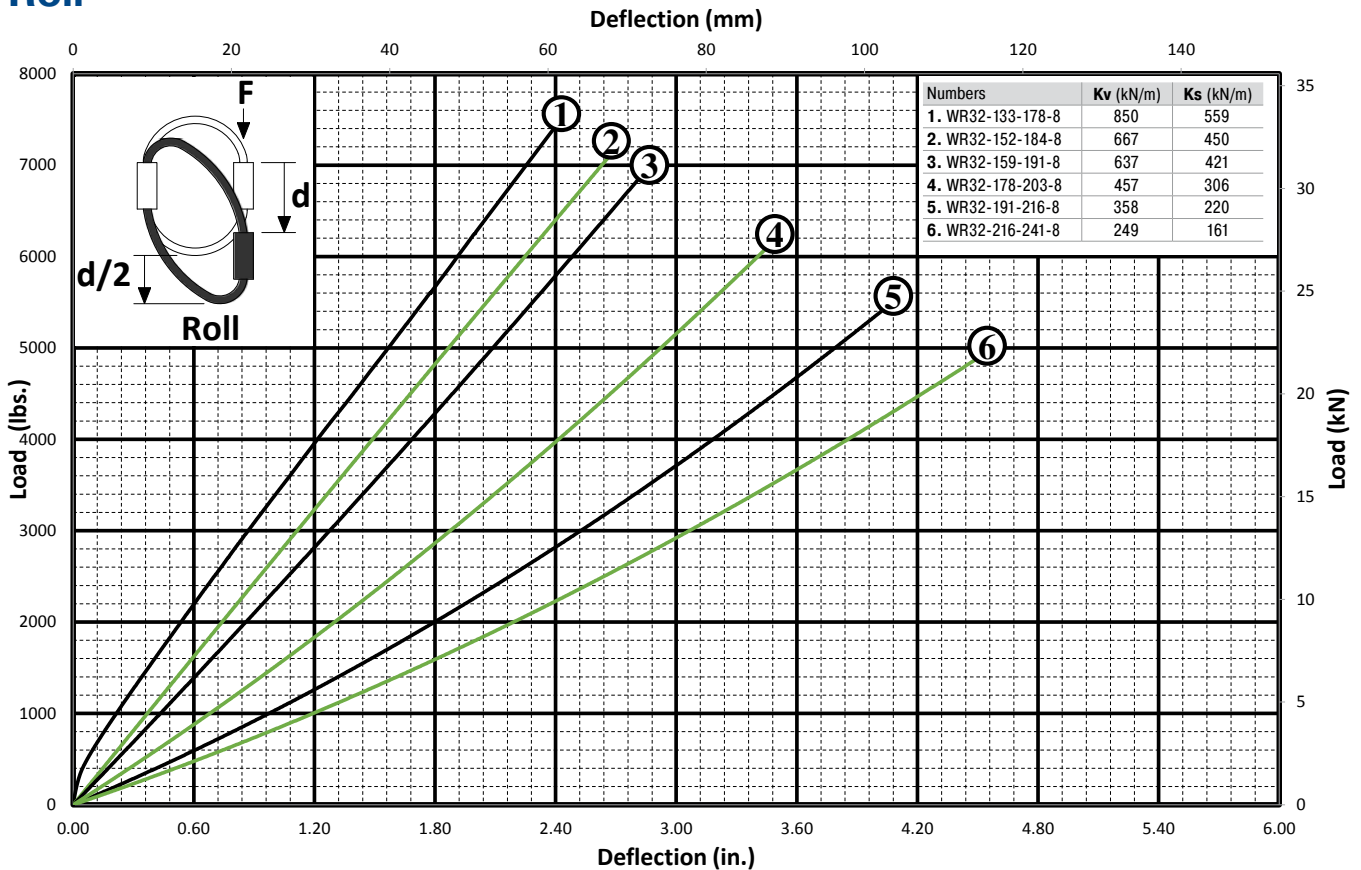


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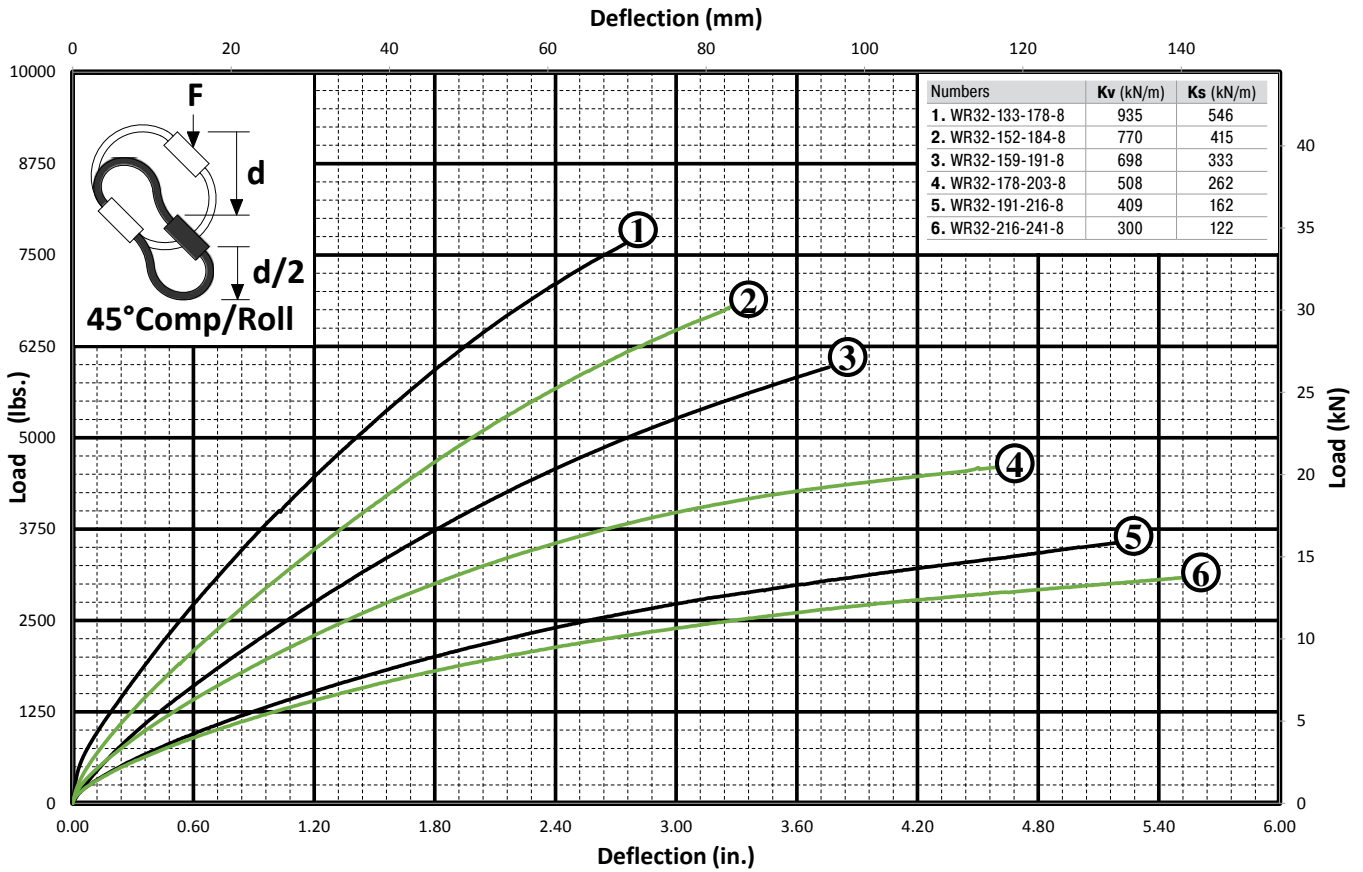
Shear



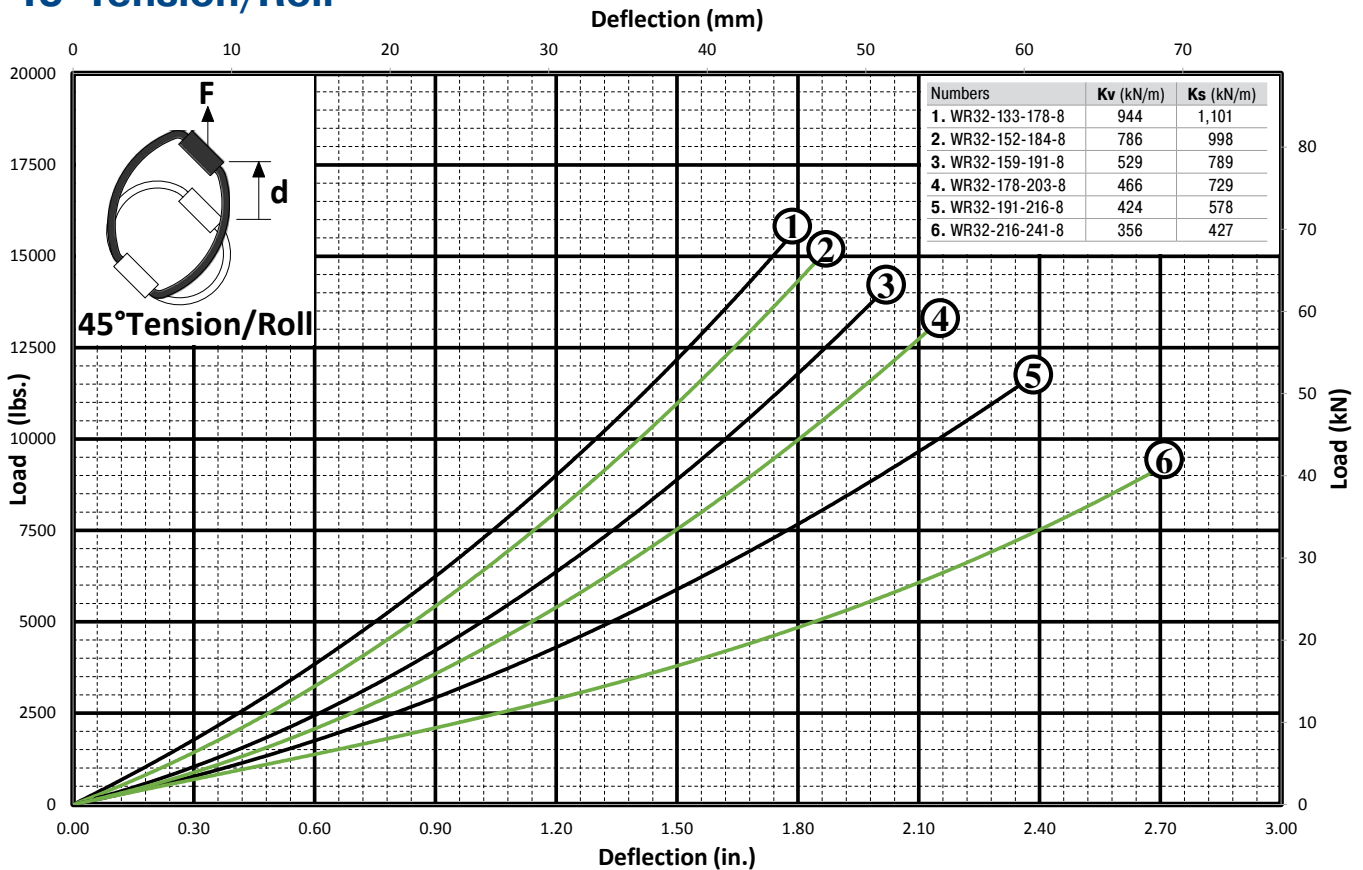
Roll



45° Compression/Roll



45° Tension/Roll



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Product also available in stainless steel



WR36

Helical Isolator

28.58 mm (1 1/8") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

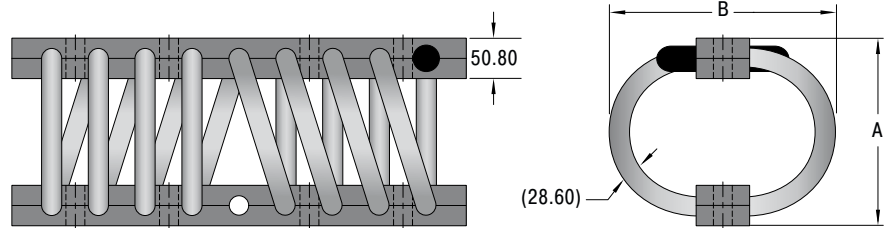
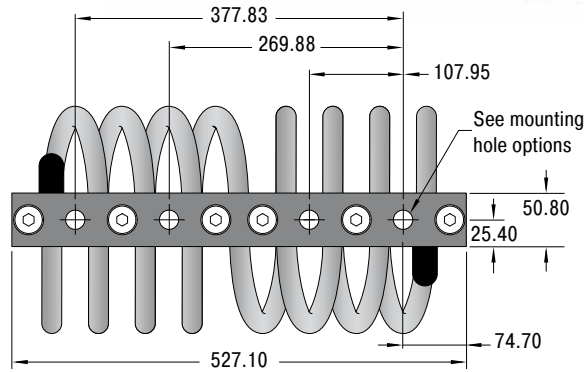
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (Alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 9.99 kg to Isolator weight for all stainless steel versions

On request

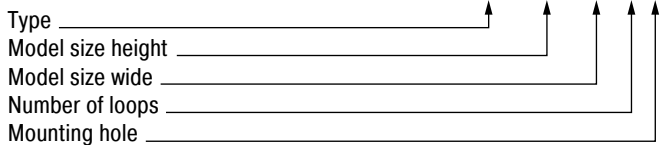
Special materials, size, mounting holes, finish, etc. available



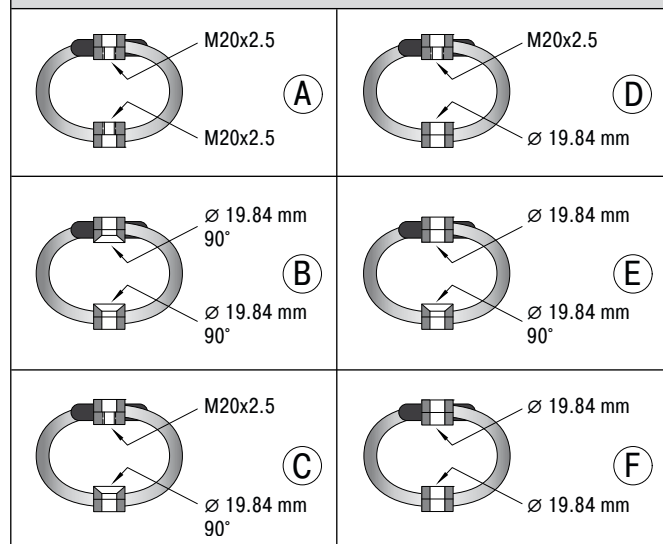
Performance

TYPEN	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR36-178-216-8	177.8	215.9	1,944	867	61.0	455	387	61.0	20.880
WR36-197-235-8	196.9	235.0	1,220	574	81.3	426	274	81.3	22.250
WR36-216-241-8	215.9	241.3	706	382	99.1	305	222	99.1	23.610
WR36-235-260-8	235.0	260.4	684	305	119.4	161	181	119.4	24.520

Ordering Example

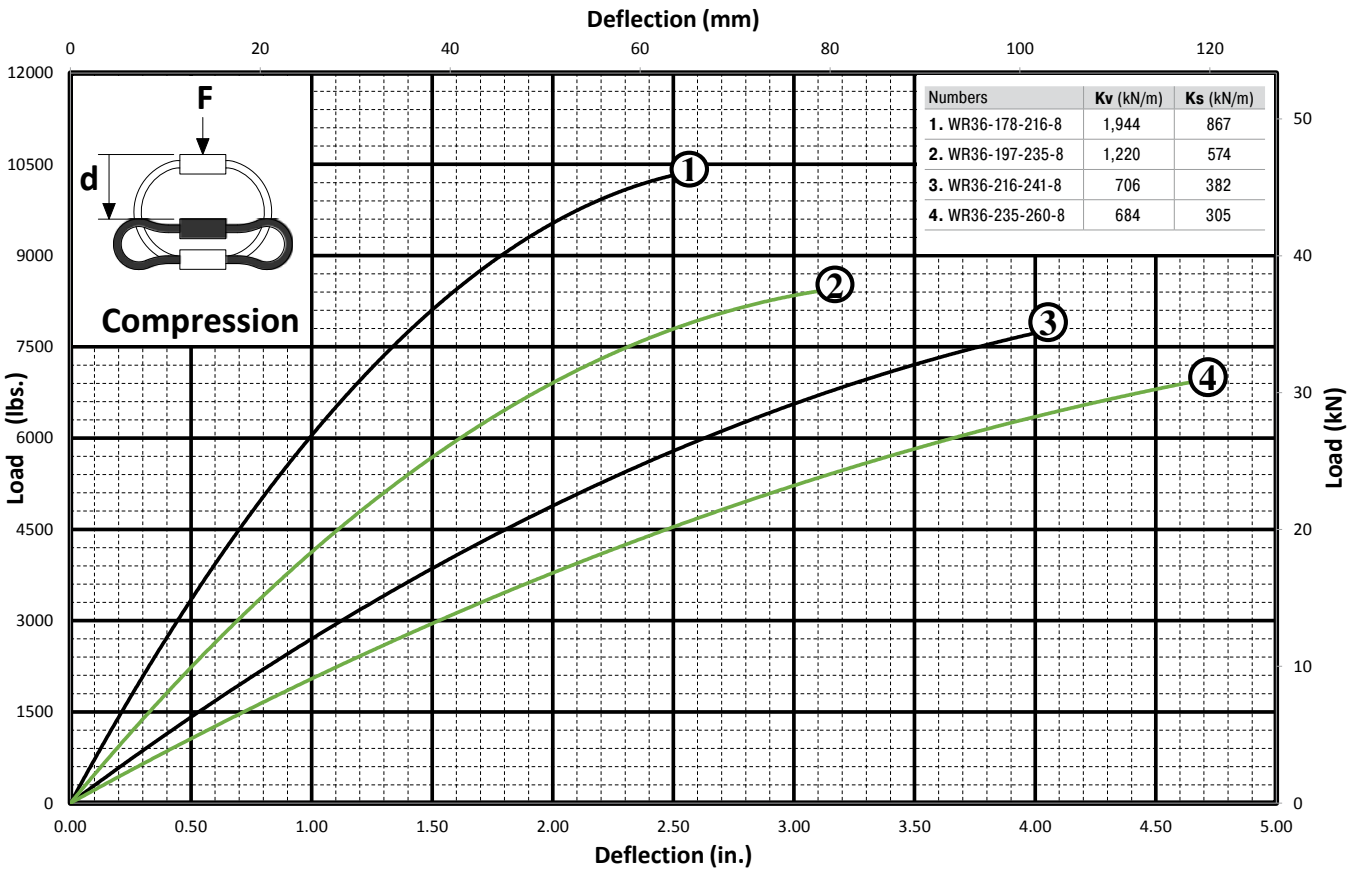


Mounting Hole Options

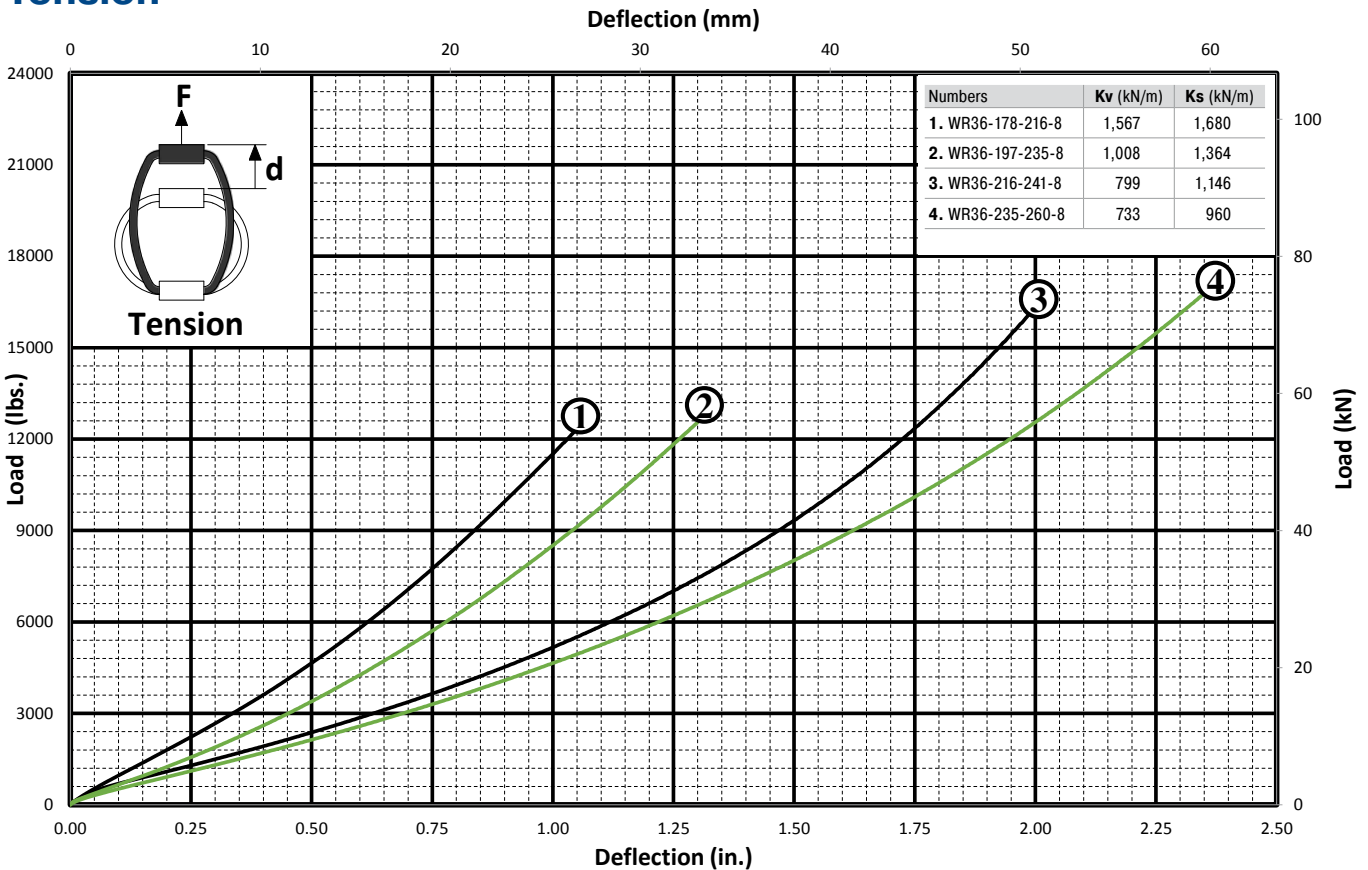


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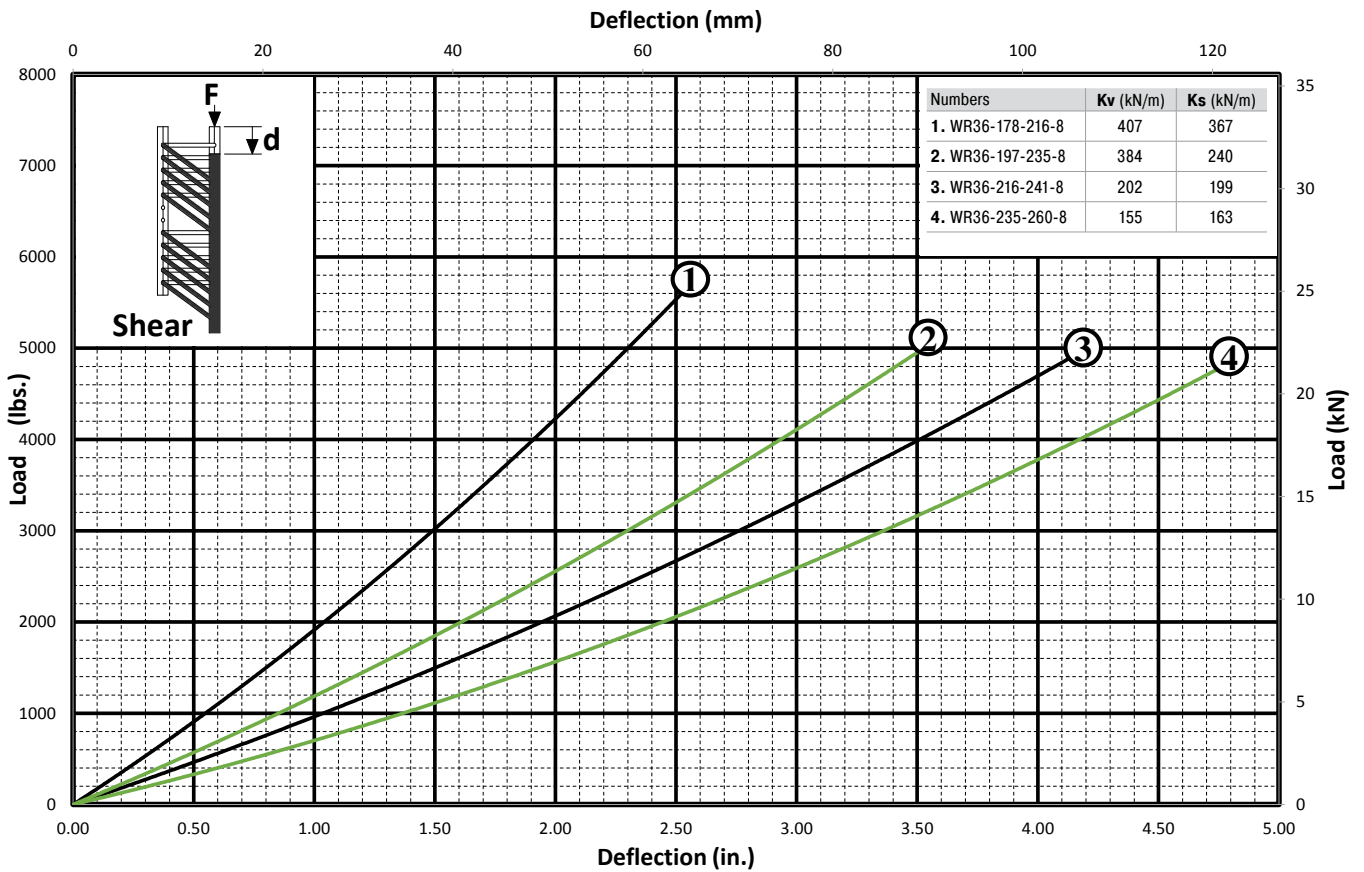
Compression



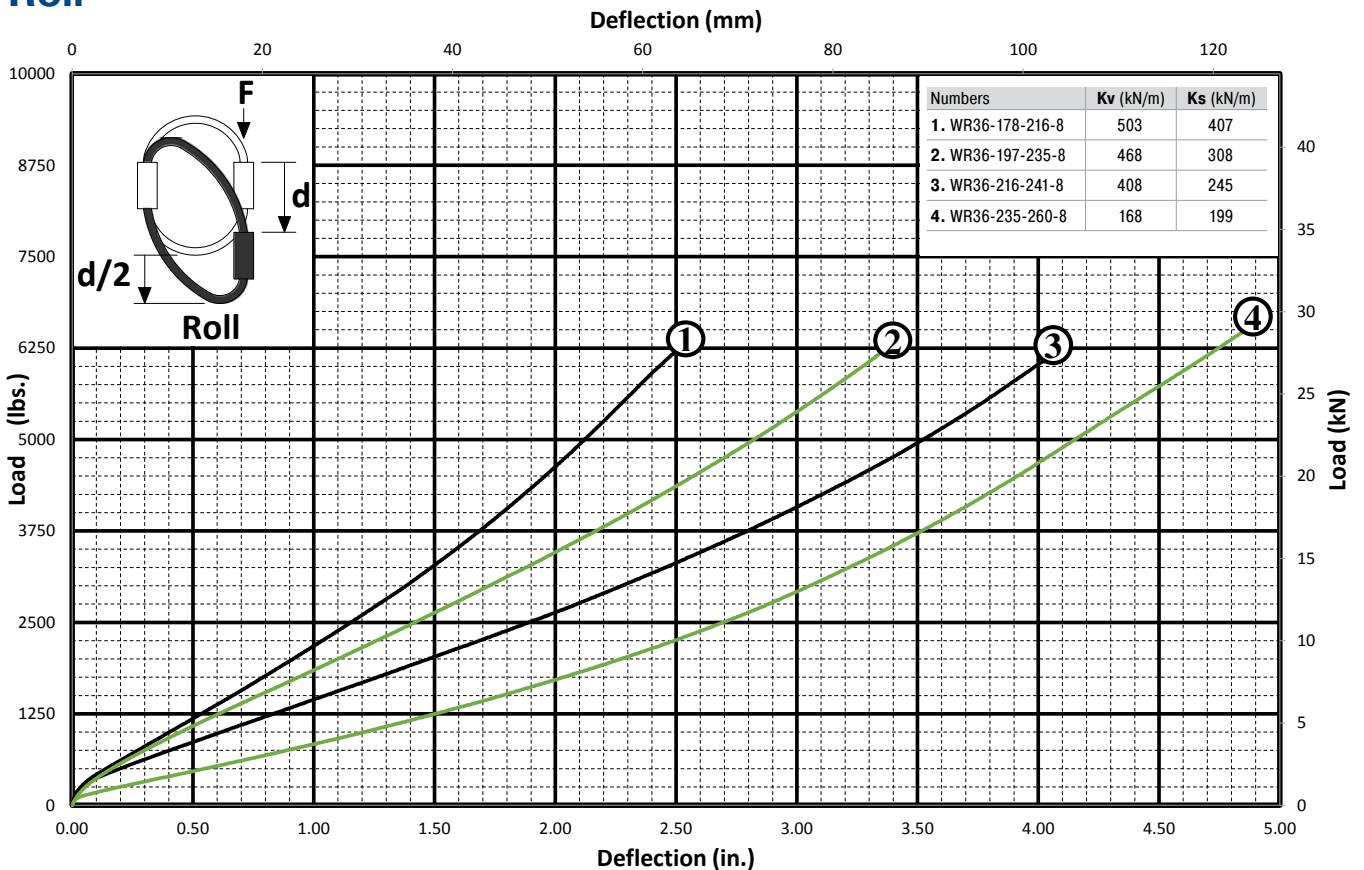
Tension



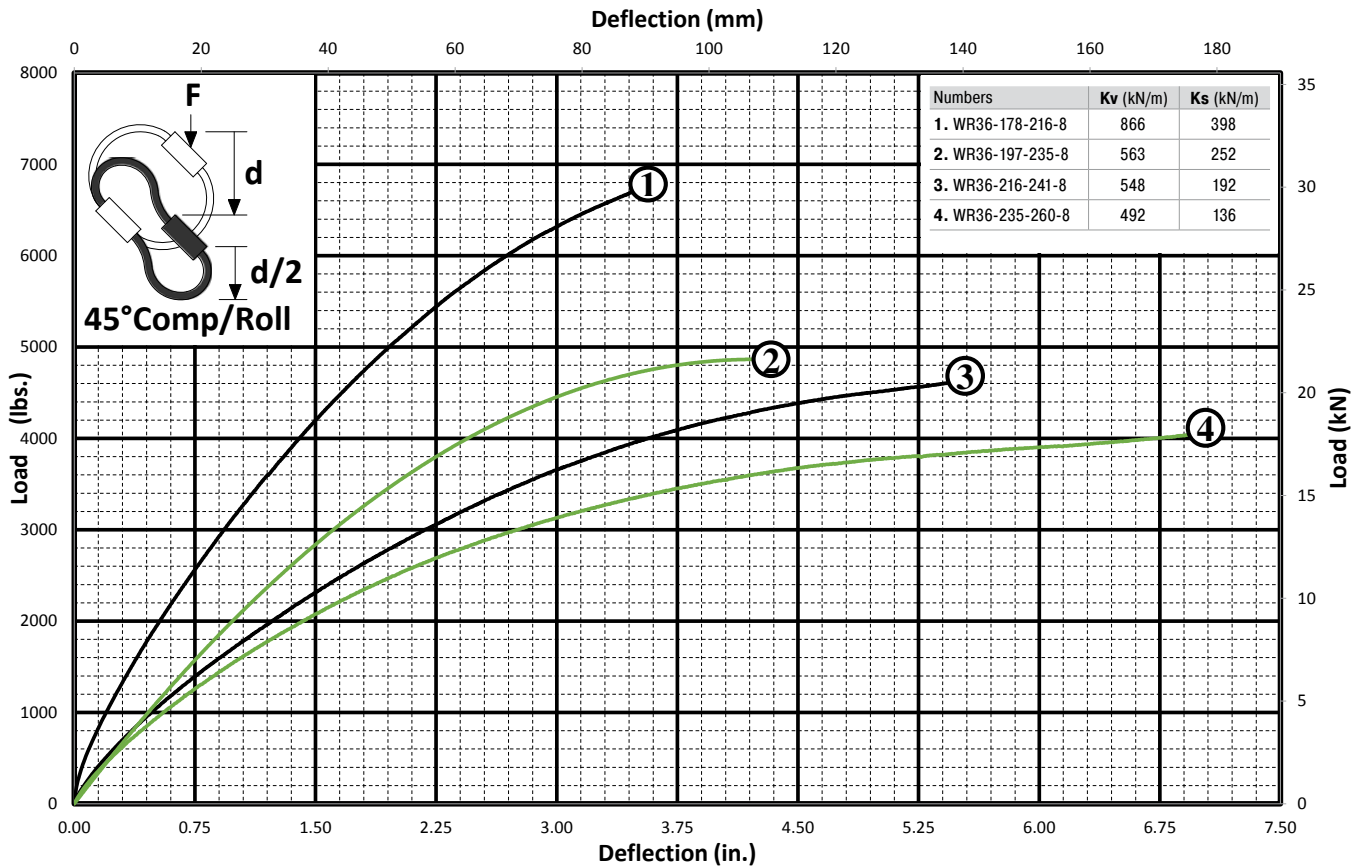
Shear



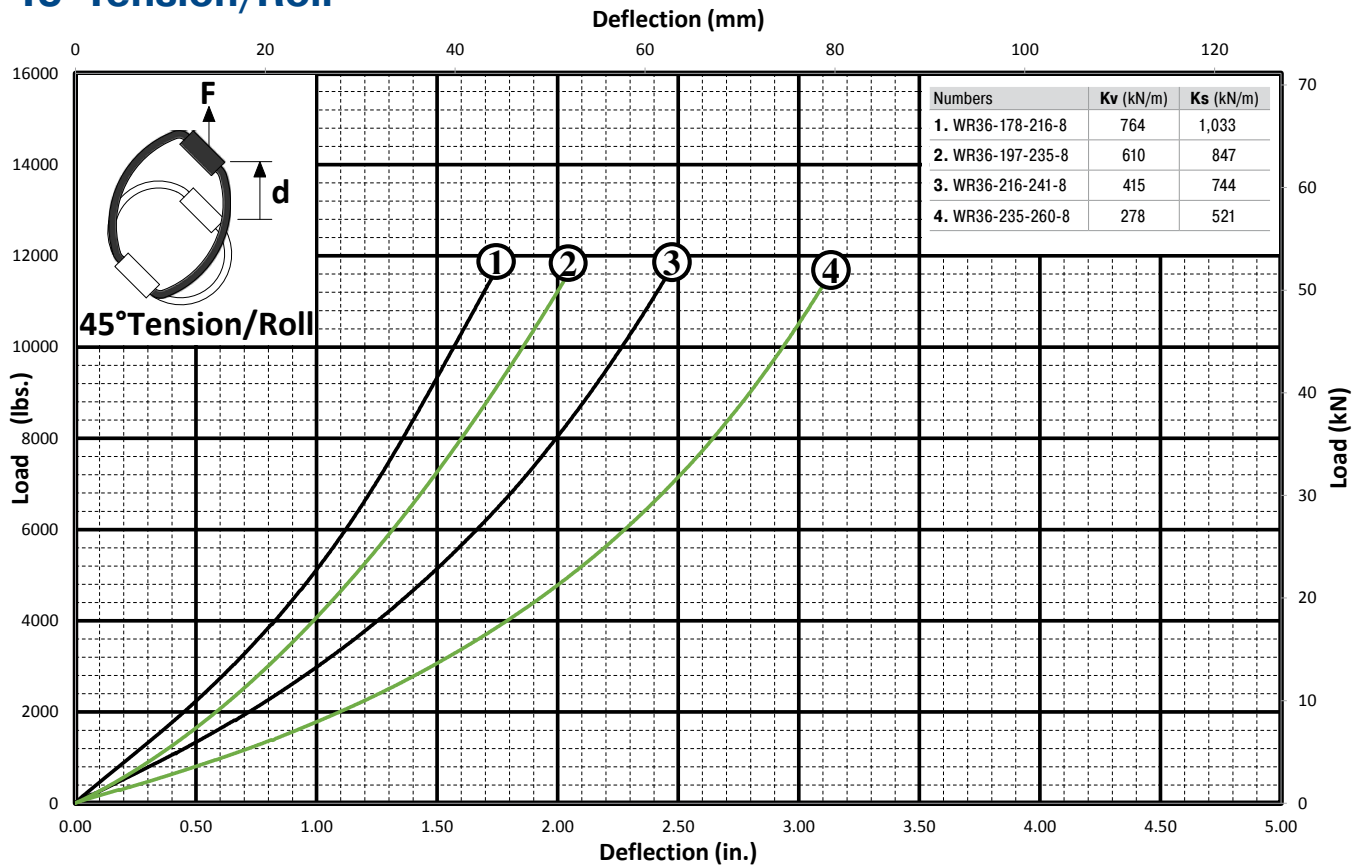
Roll



45° Compression/Roll



45° Tension/Roll



Issue 07.2020 – Specifications subject to change

Product also available in stainless steel



WR40

Helical Isolator

31.75 mm (1¼") Diameter Cable



Features

- Rugged all metal construction
- Fail safe construction
- Long life and maintenance free
- Three axis capability (6 dof)
- High damping: C/cc ≈ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

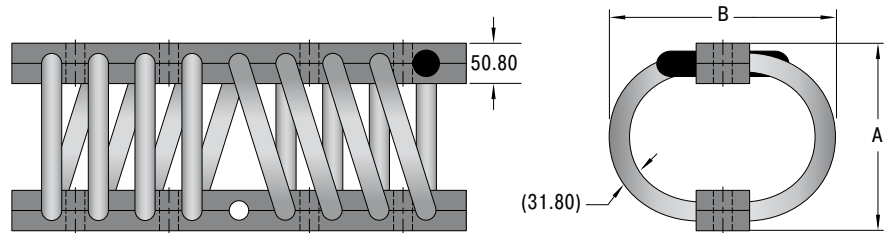
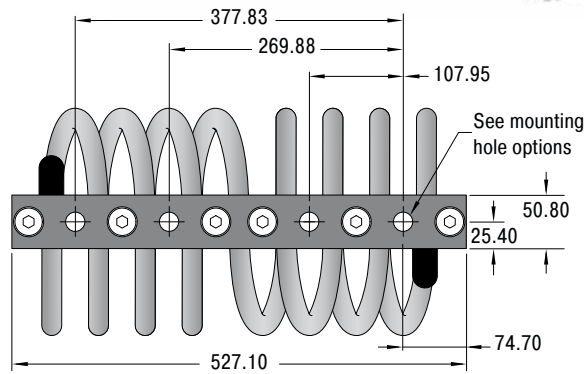
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (Alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ±0.25 mm
- Add 8.39 kg to Isolator weight for all stainless steel versions

On request

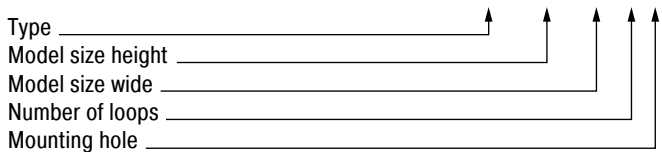
Special materials, size, mounting holes, finish, etc. available



Performance

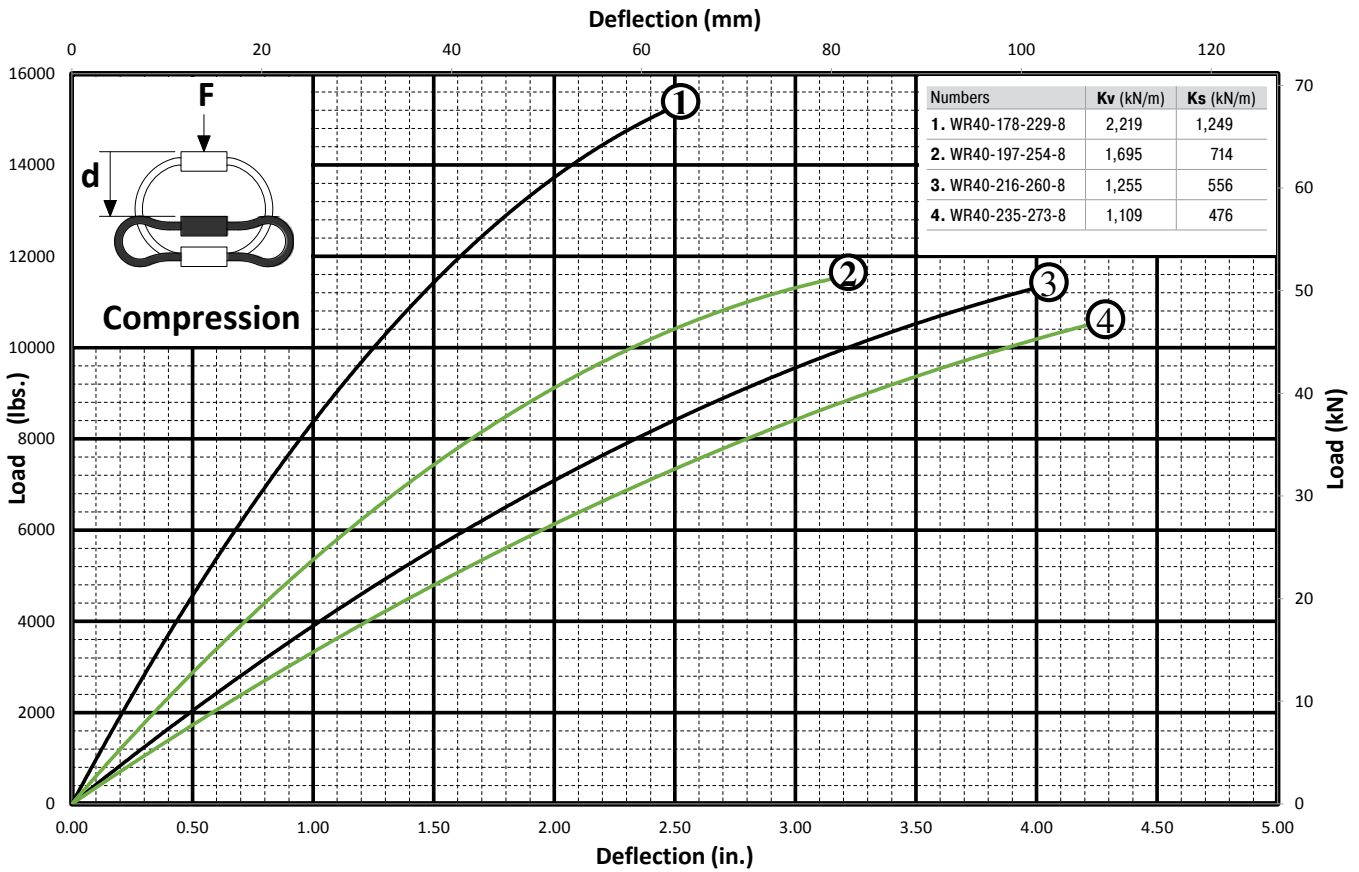
TYPEN	A (+/- 0.8) mm	B mm	Compression			Shear/Roll (Average)			Weight kg
			Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	Kv (Vibe) kN/m	Ks (Shock) kN/m	Deflection max. mm	
WR40-178-229-8	177.8	228.6	2,219	1,249	61.0	652	500	61.0	24.060
WR40-197-254-8	196.9	254.0	1,695	714	81.3	635	389	81.3	25.420
WR40-216-260-8	215.9	260.4	1,255	556	99.1	434	276	99.1	27.240
WR40-235-273-8	235.0	273.1	1,109	476	119.4	388	272	119.4	28.600

Ordering Example

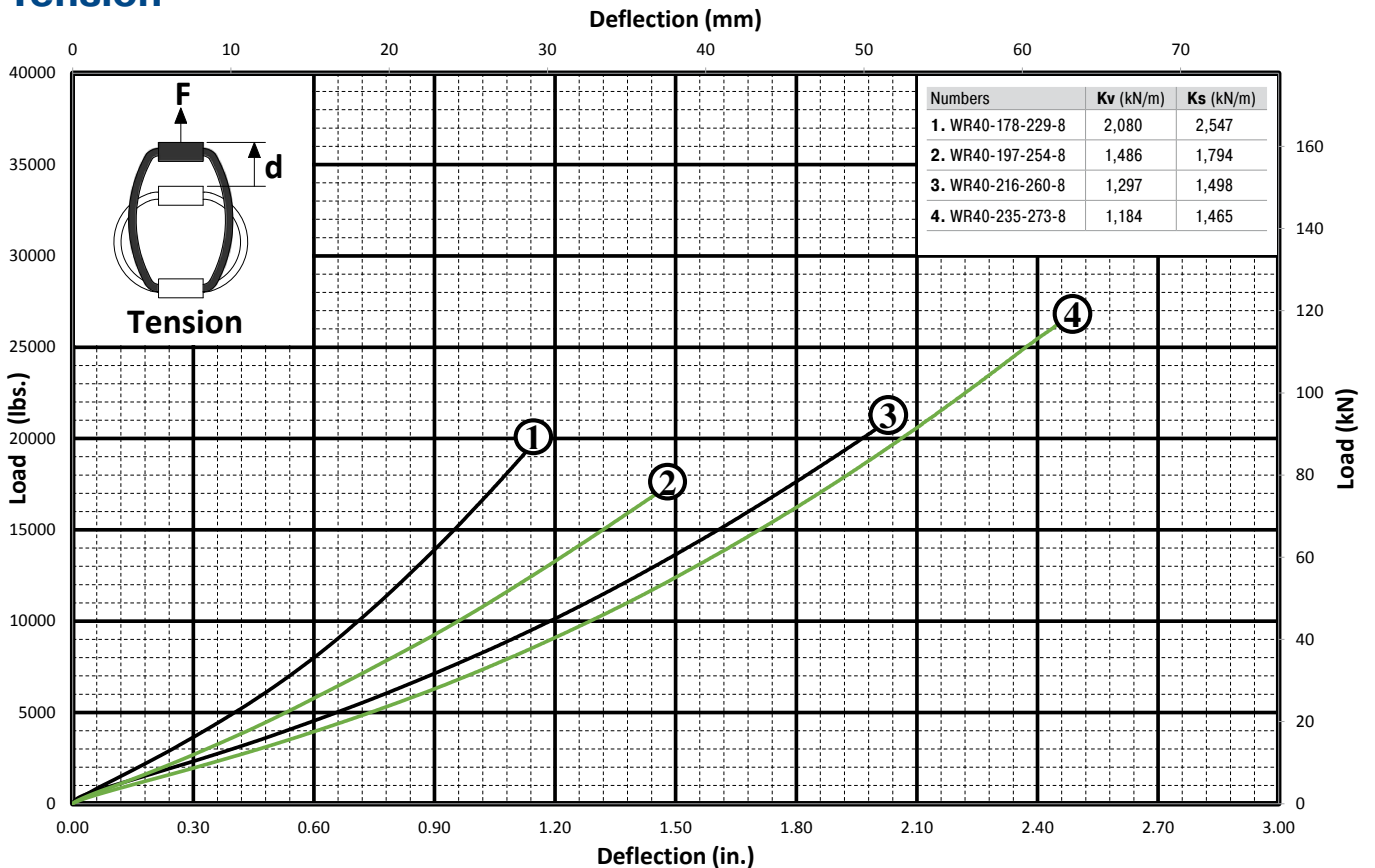


Mounting Hole Options	
<p>A</p>	<p>D</p>
<p>B</p>	<p>E</p>
<p>C</p>	<p>F</p>

Compression

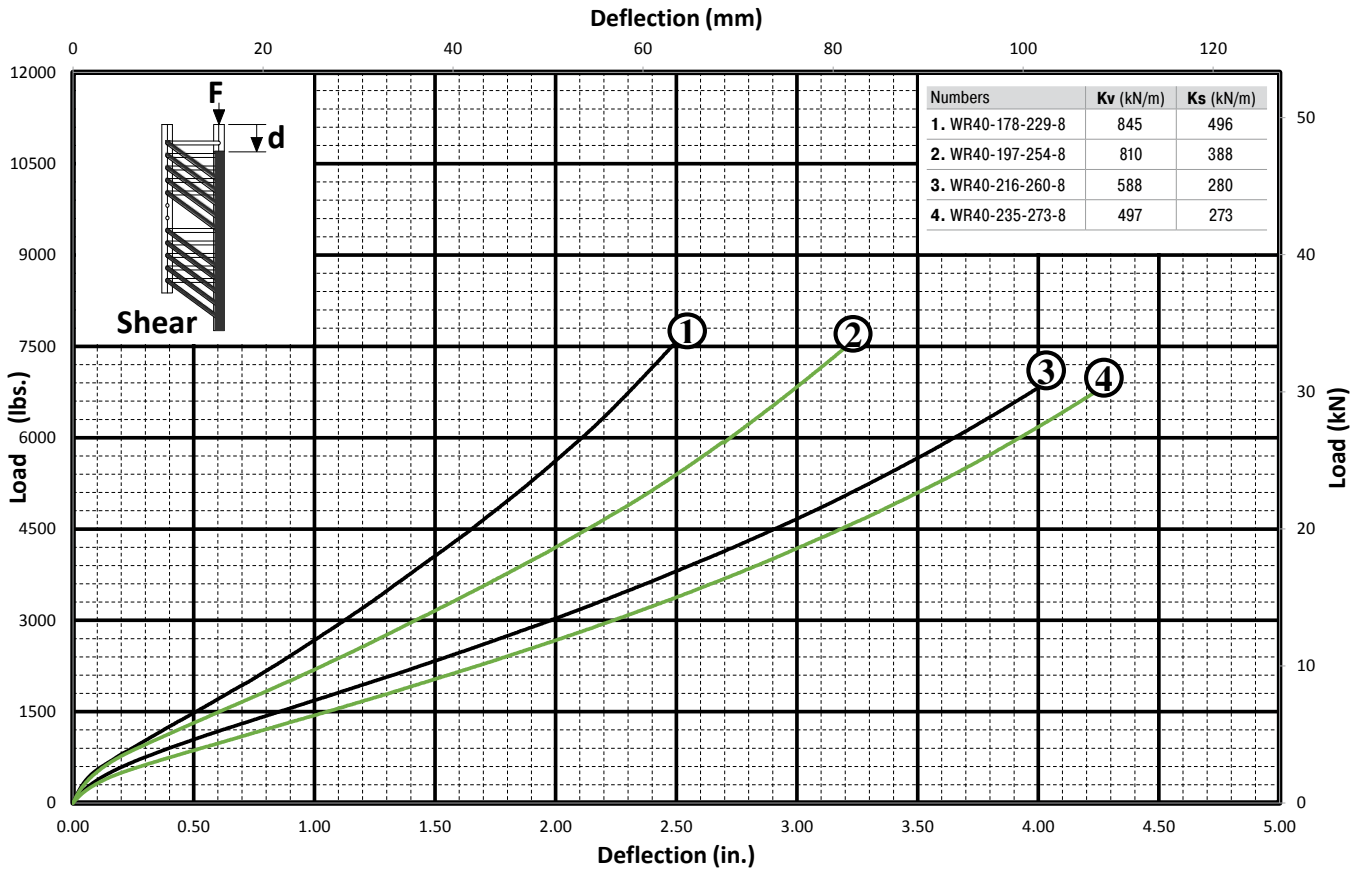


Tension

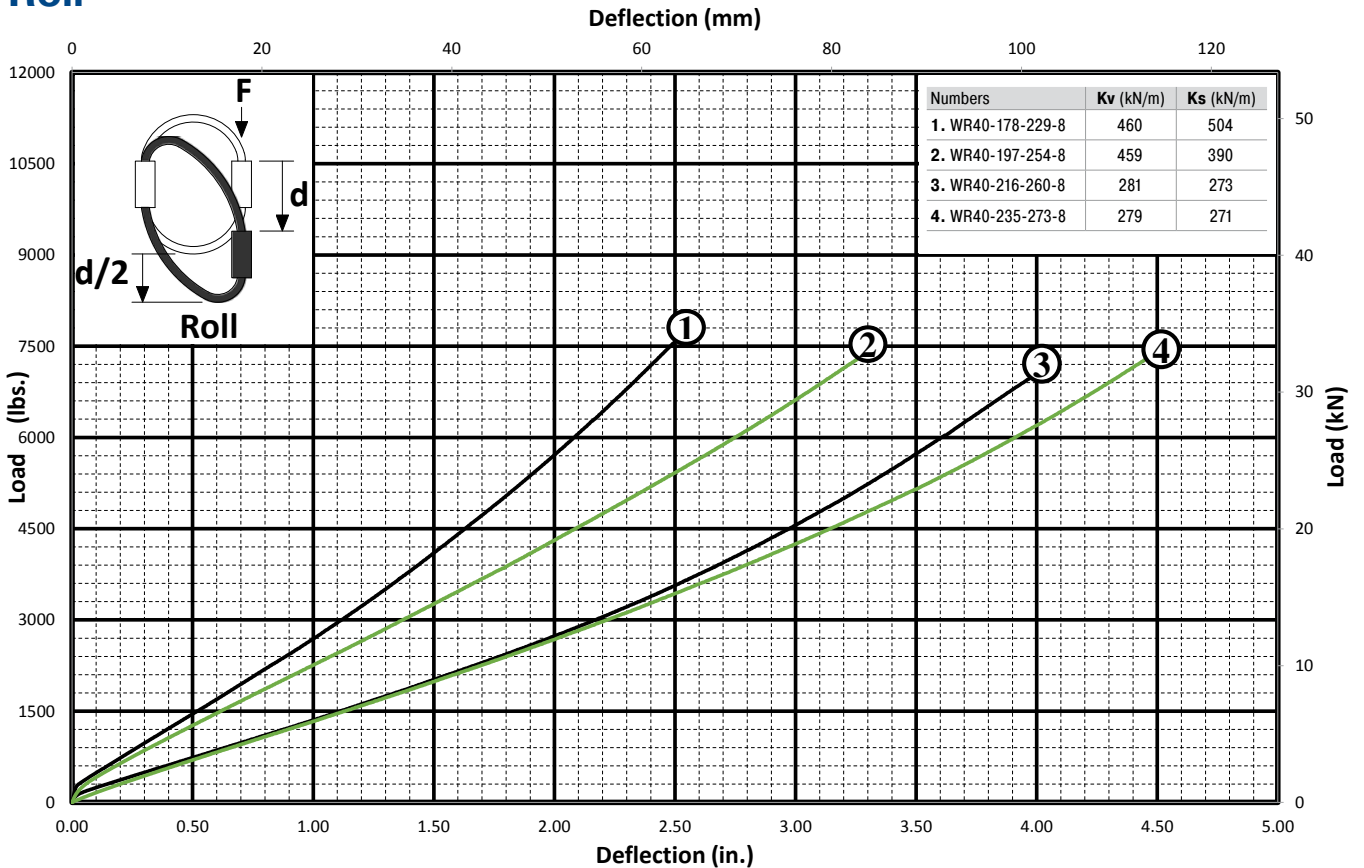


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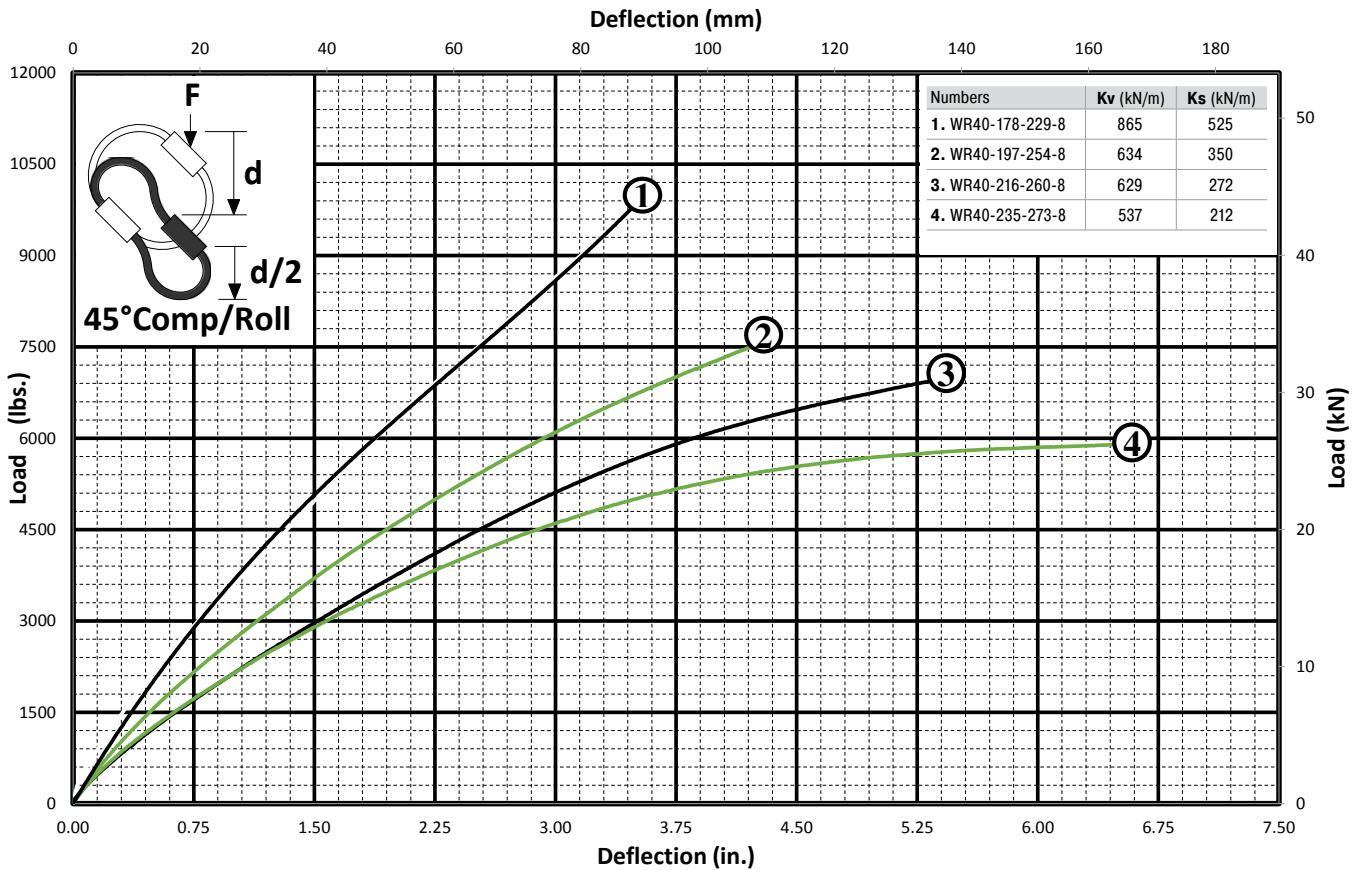
Shear



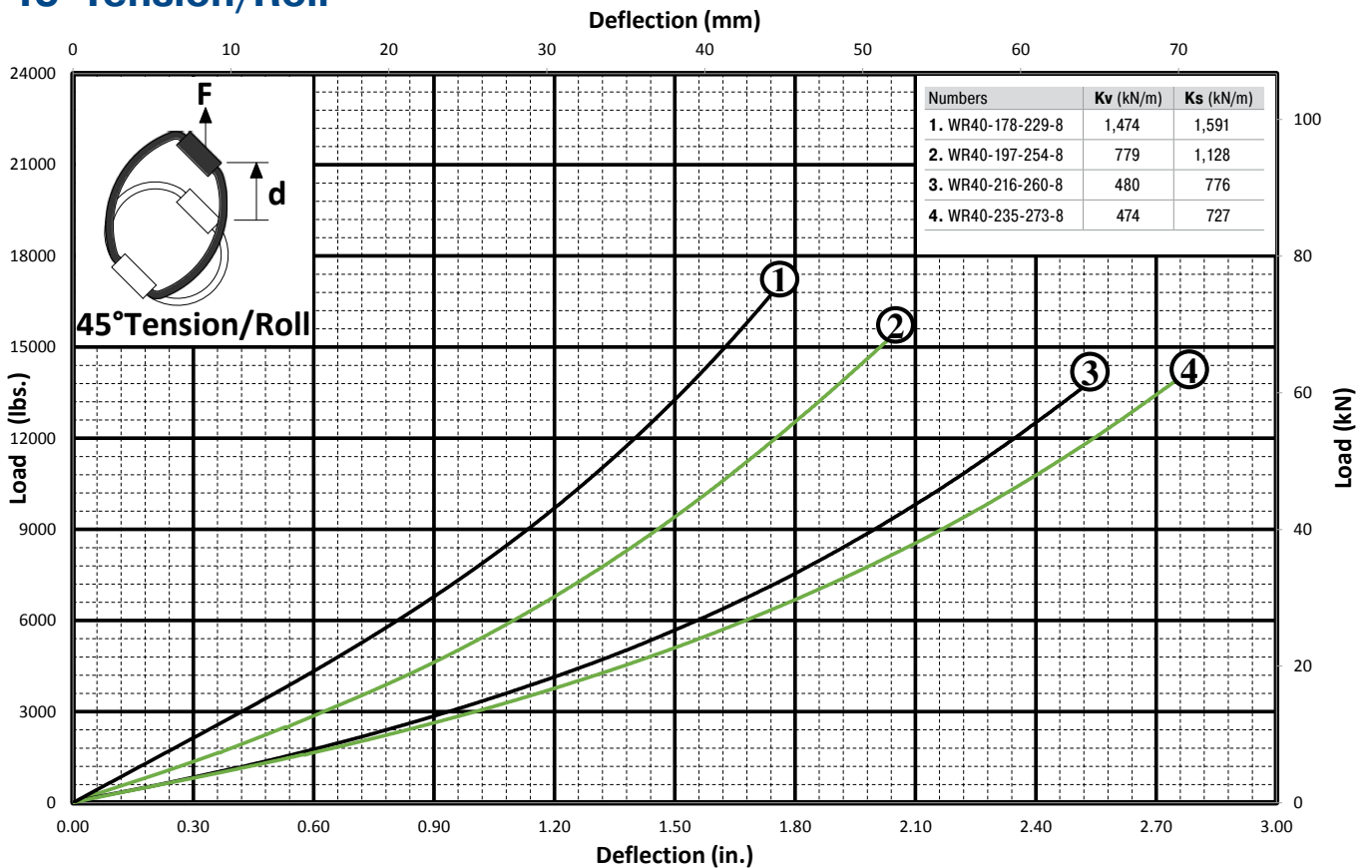
Roll



45° Compression/Roll



45° Tension/Roll



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