

WRS2

Helical Isolator Short

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 $\approx$ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

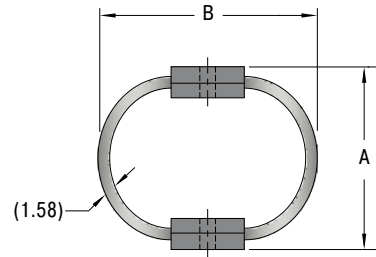
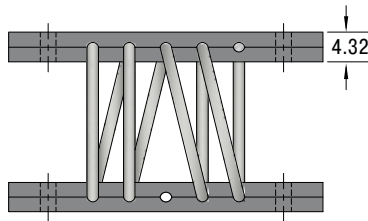
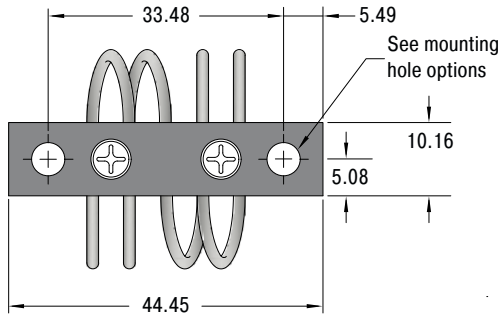
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-12
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ± 0.25 mm
- Add 0.02 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	
WRS2-018-025-4	17.8	25.4	7.0	5.6	7.6	2.3	4.0	7.6	0.008
WRS2-020-028-4	20.3	27.9	5.8	4.9	10.2	1.9	3.5	10.2	0.009
WRS2-025-031-4	25.4	30.5	3.2	2.6	15.2	0.7	1.9	15.2	0.010
WRS2-028-033-4	27.9	33.0	2.1	1.6	17.8	0.5	1.8	17.8	0.011
WRS2-031-036-4	30.5	35.6	1.8	1.2	20.3	0.4	1.4	20.3	0.012
WRS2-033-038-4	33.0	38.1	1.4	1.1	22.9	0.4	0.5	22.9	0.014

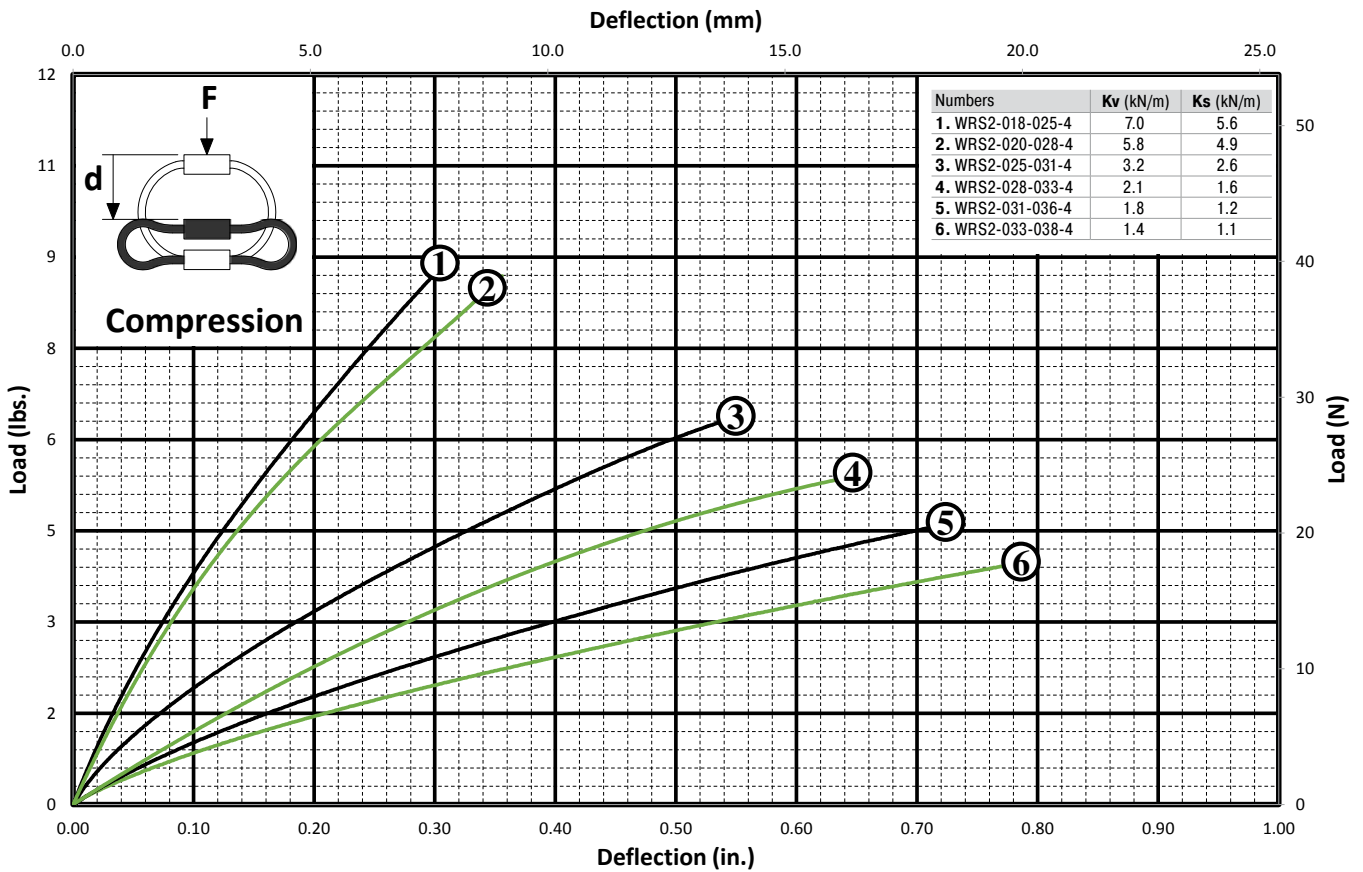
Ordering Example

Type _____
 Model size height _____
 Model size wide _____
 Number of loops _____
 Mounting hole _____

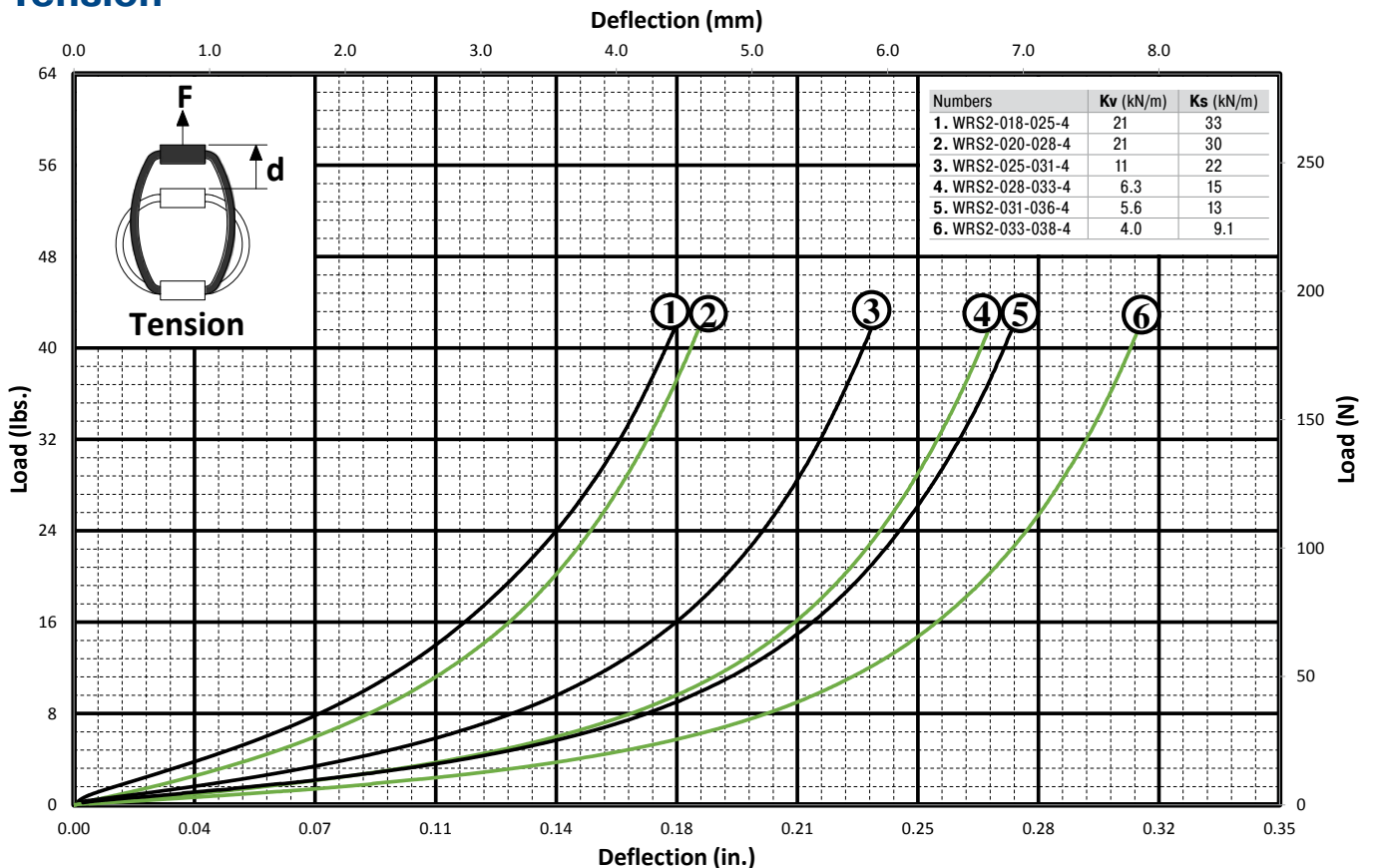
WRS2-018-025-4-A

Mounting Hole Options

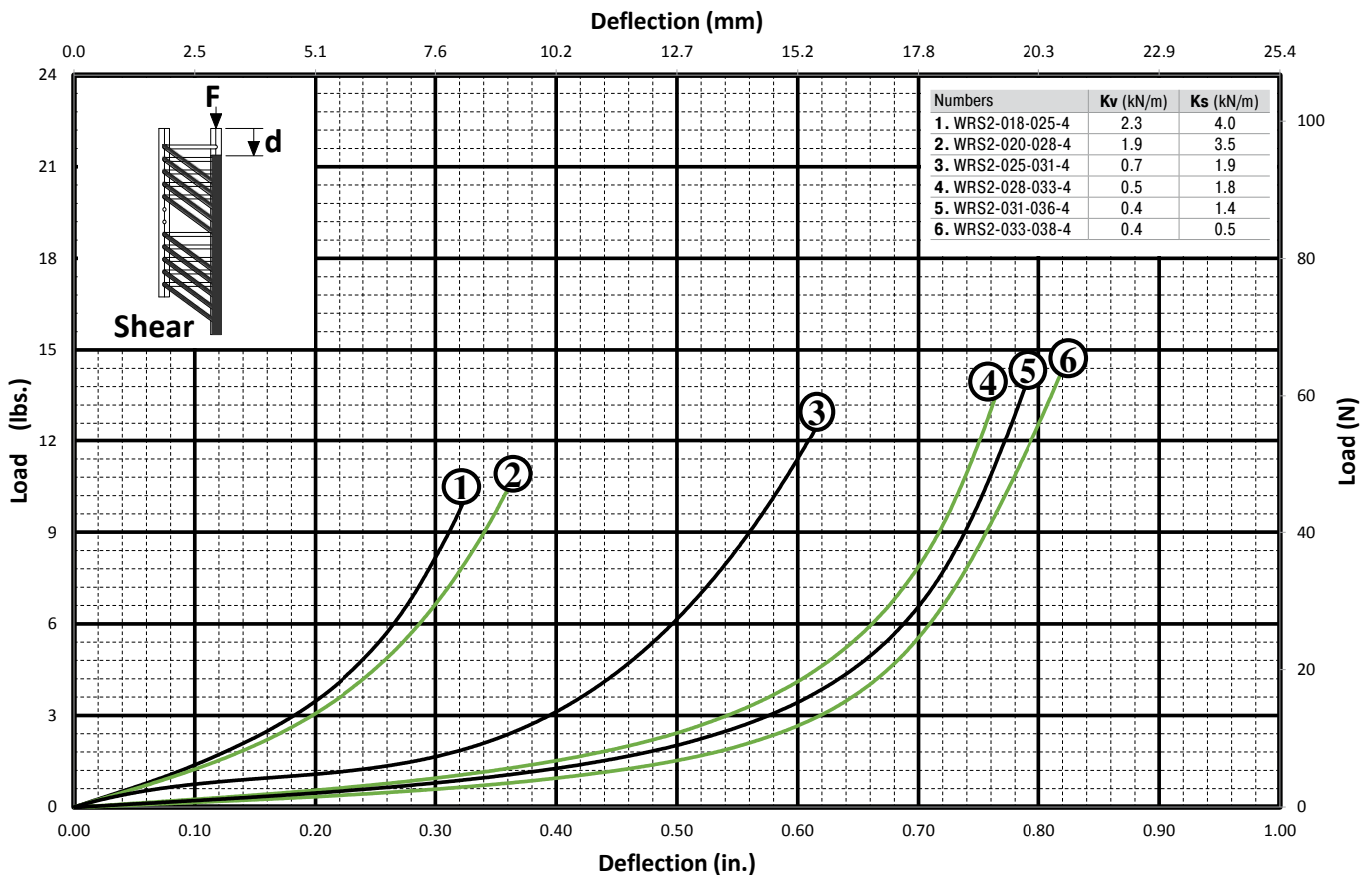
Compression



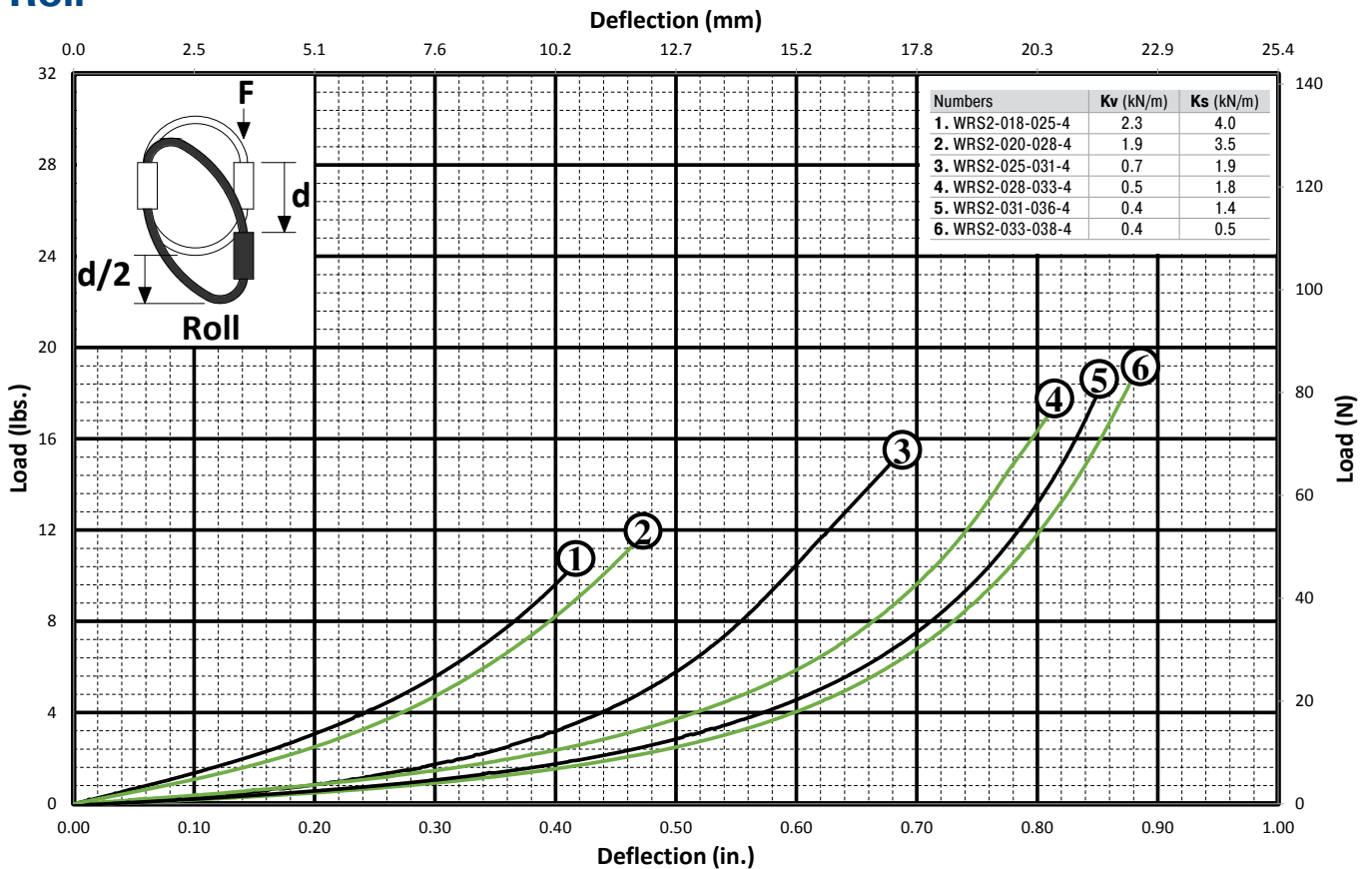
Tension



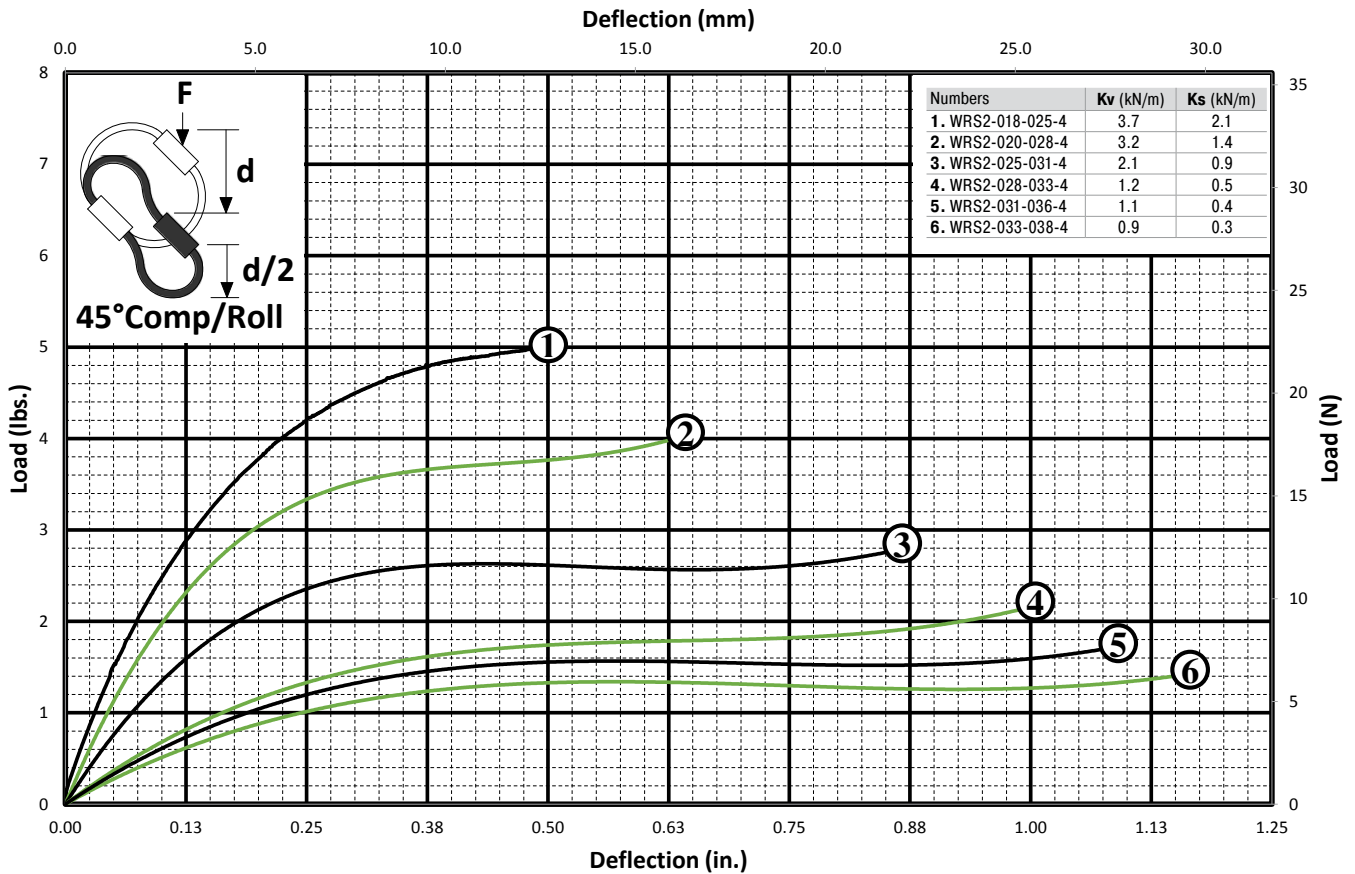
Shear



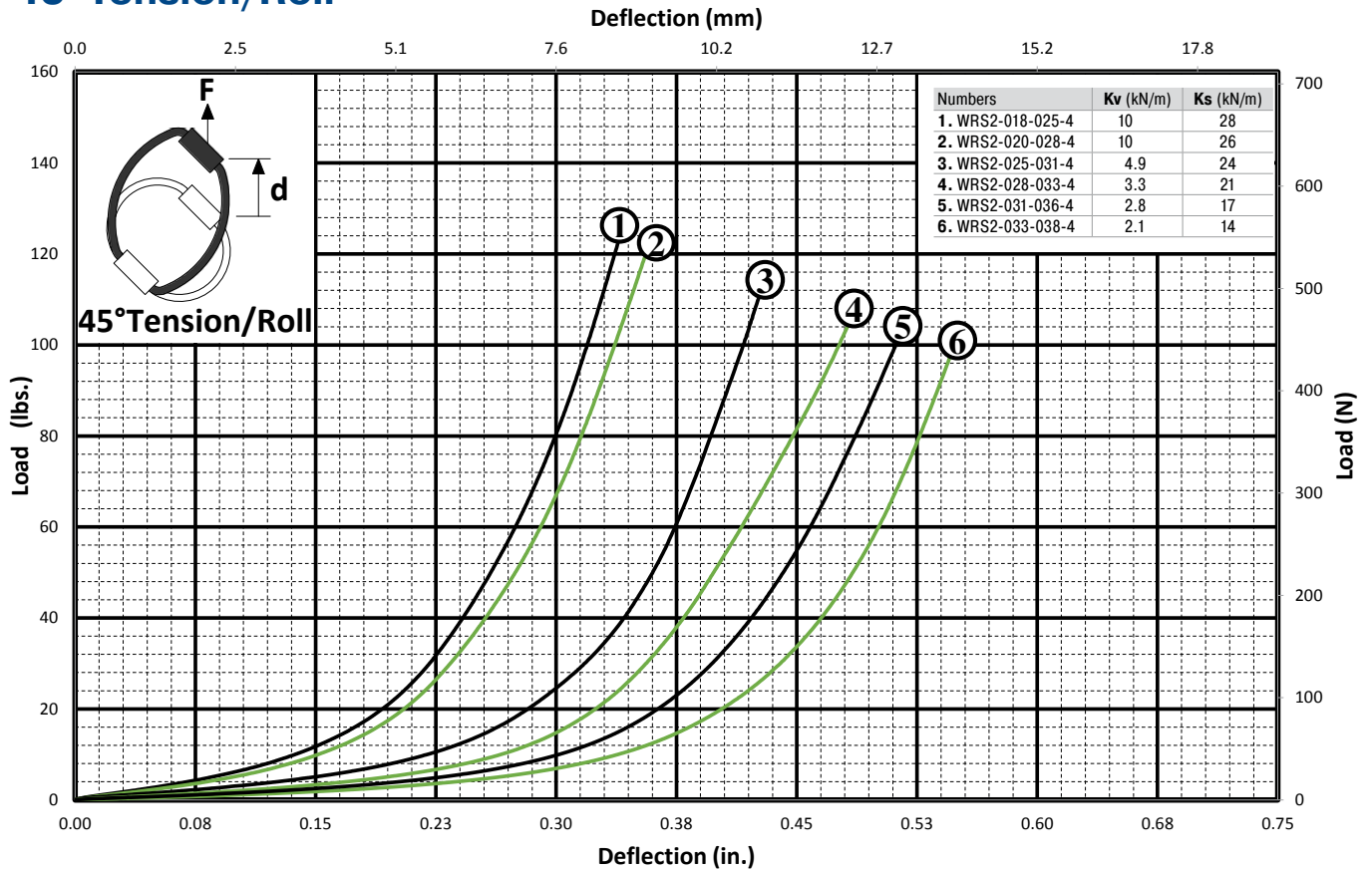
Roll



45° Compression/Roll



45° Tension/Roll



WRS3

Helical Isolator Short

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 $\approx$ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

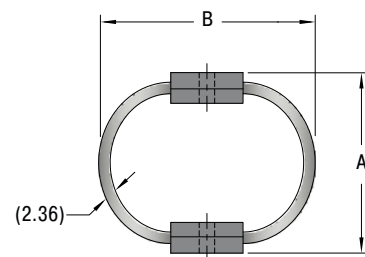
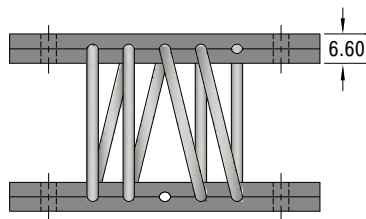
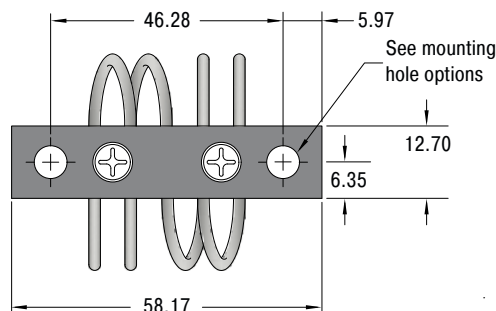
Cable: 300 Series SS per MIL-W-83420 or RR-W-410
Screws: 300 Series SS per MS51959-26
Inserts: 300 Series SS (alum bars only)
Retainer bars: Standard: 6061-T6 Alum alloy/
Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

Mounting hole tolerances: ± 0.25 mm
Add 0.04 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	
WRS3-023-028-4	22.9	27.9	29	25	7.6	9.8	13	7.6	0.027
WRS3-025-031-4	25.4	30.5	20	18	10.2	6.8	11	10.2	0.028
WRS3-028-034-4	27.9	33.5	14	12	12.7	3.9	7.2	12.7	0.030
WRS3-033-038-4	33.0	38.1	6.7	5.6	17.8	2.1	3.2	17.8	0.031
WRS3-036-041-4	35.6	40.6	6.0	4.9	20.3	1.8	2.8	20.3	0.032
WRS3-038-043-4	38.1	43.2	4.6	3.5	22.9	1.2	2.1	22.9	0.034

Ordering Example

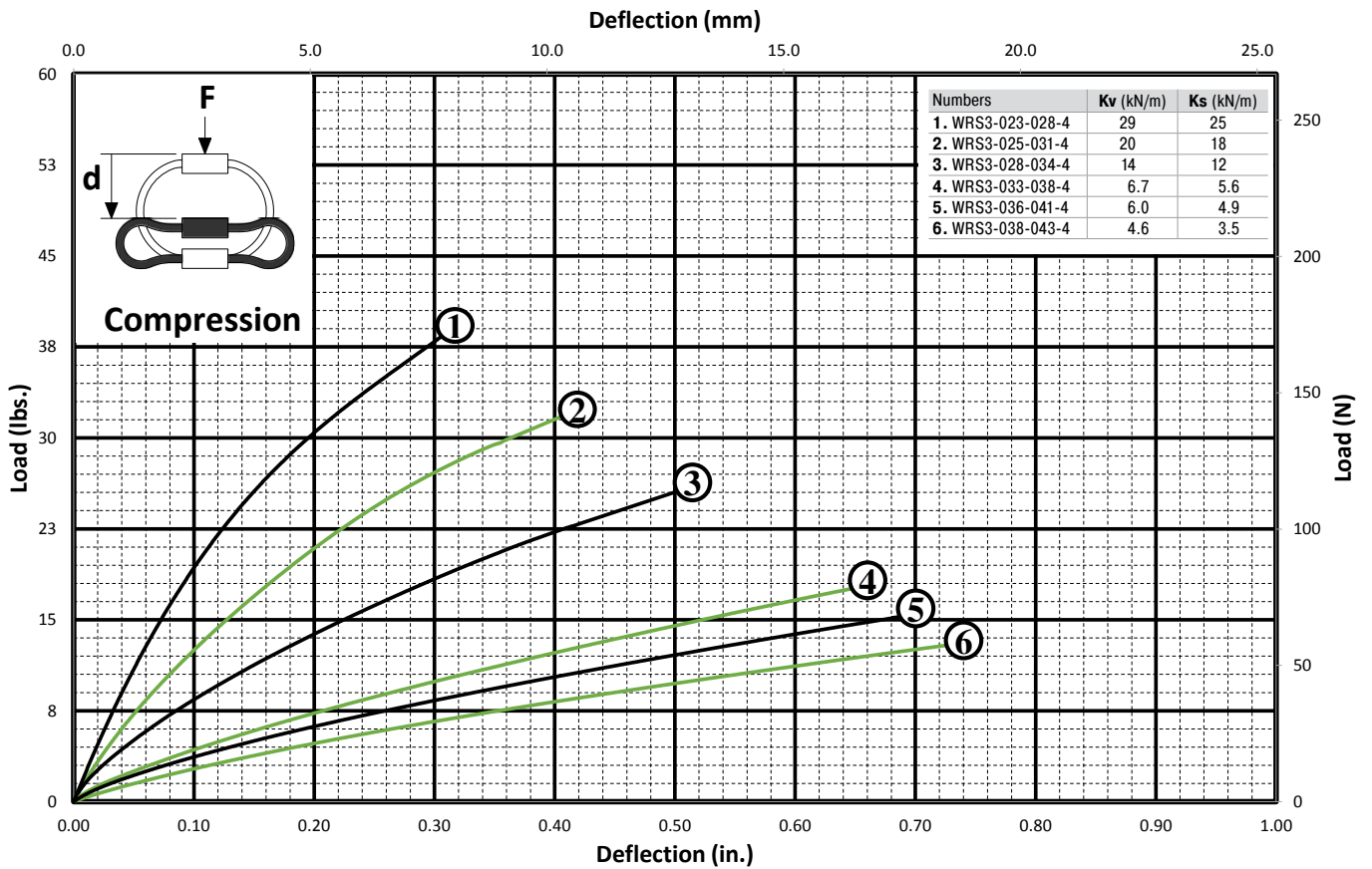
Type _____
Model size height _____
Model size wide _____
Number of loops _____
Mounting hole _____

WRS3-023-028-4-A

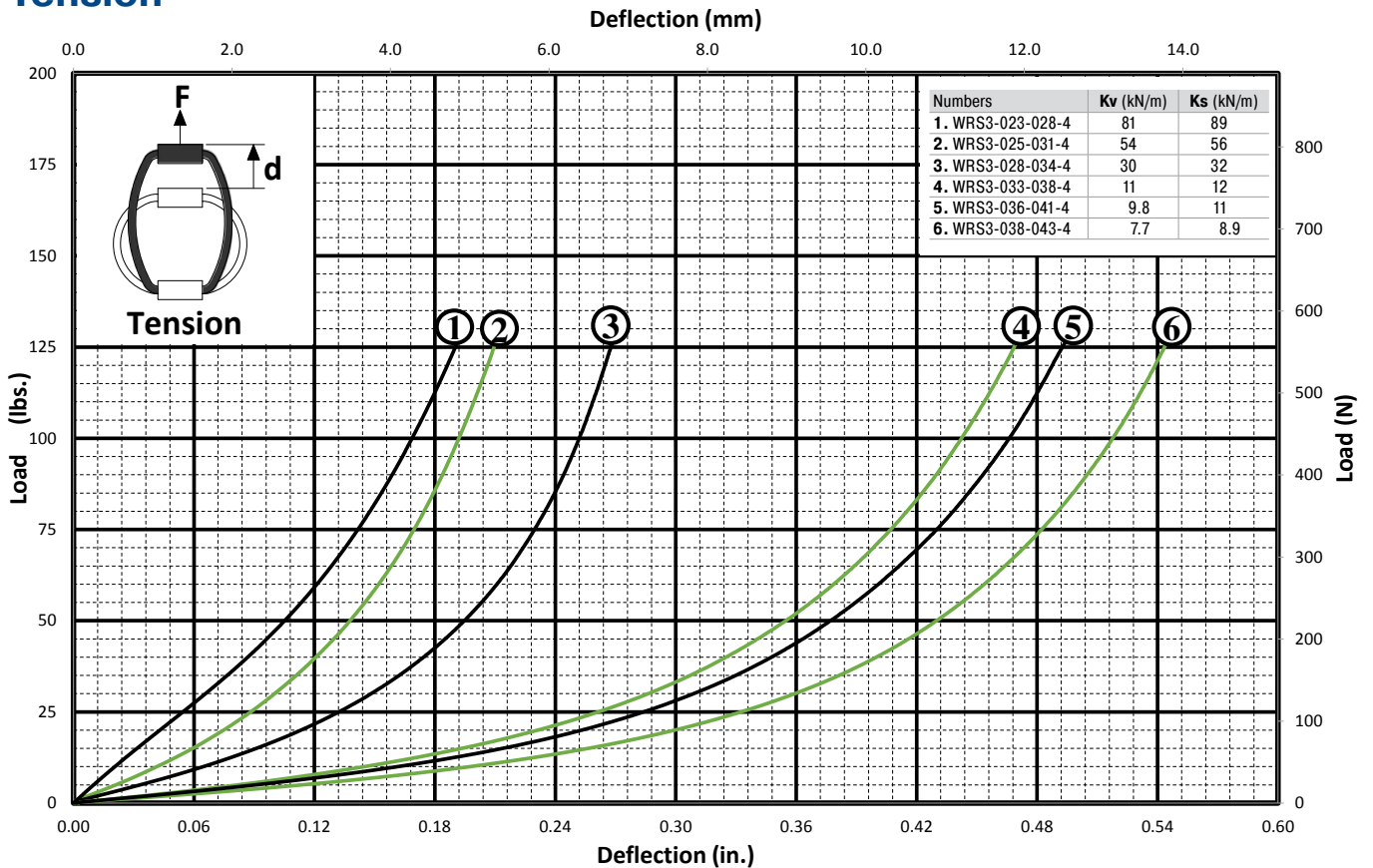
Mounting Hole Options

A	D
B	E
C	F

Compression

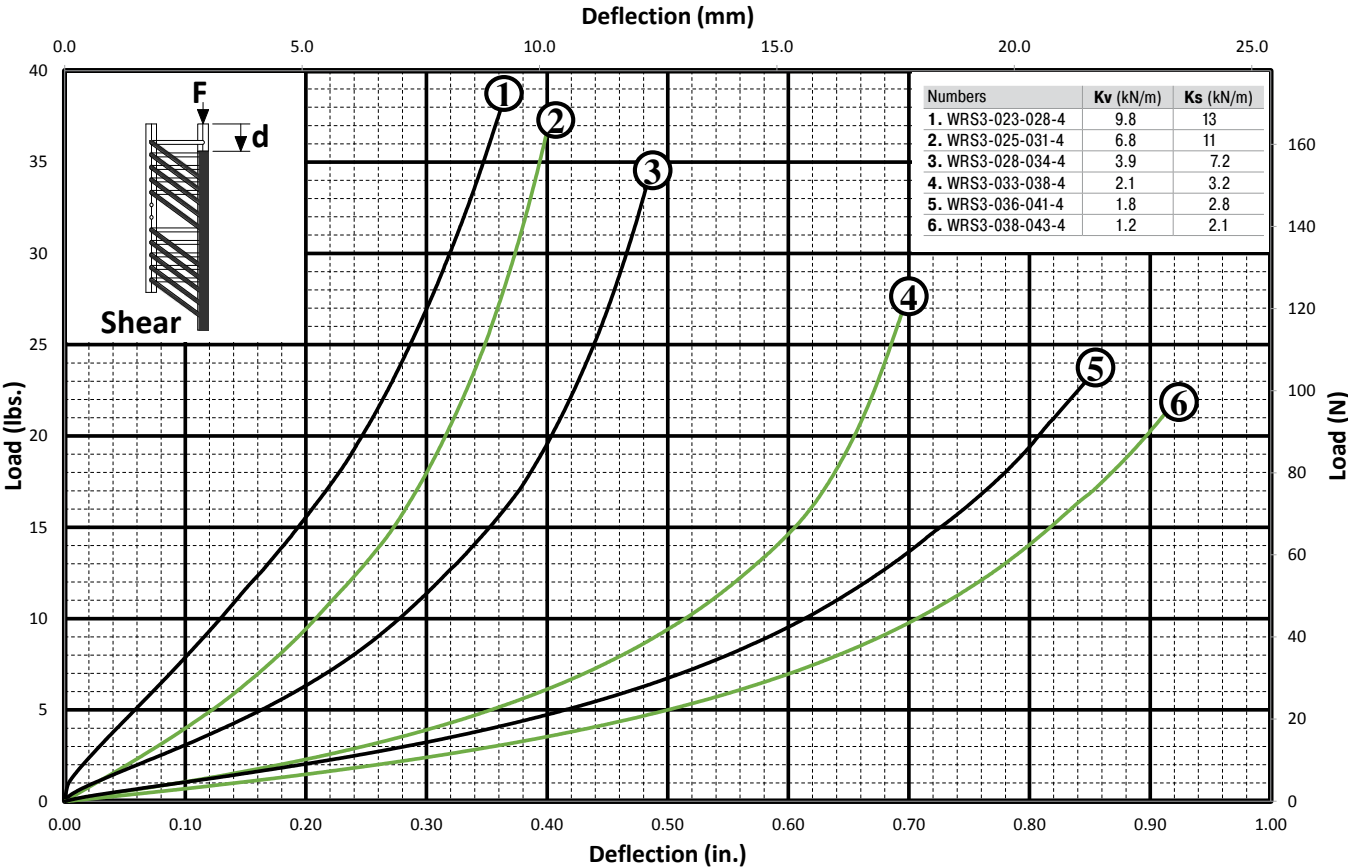


Tension

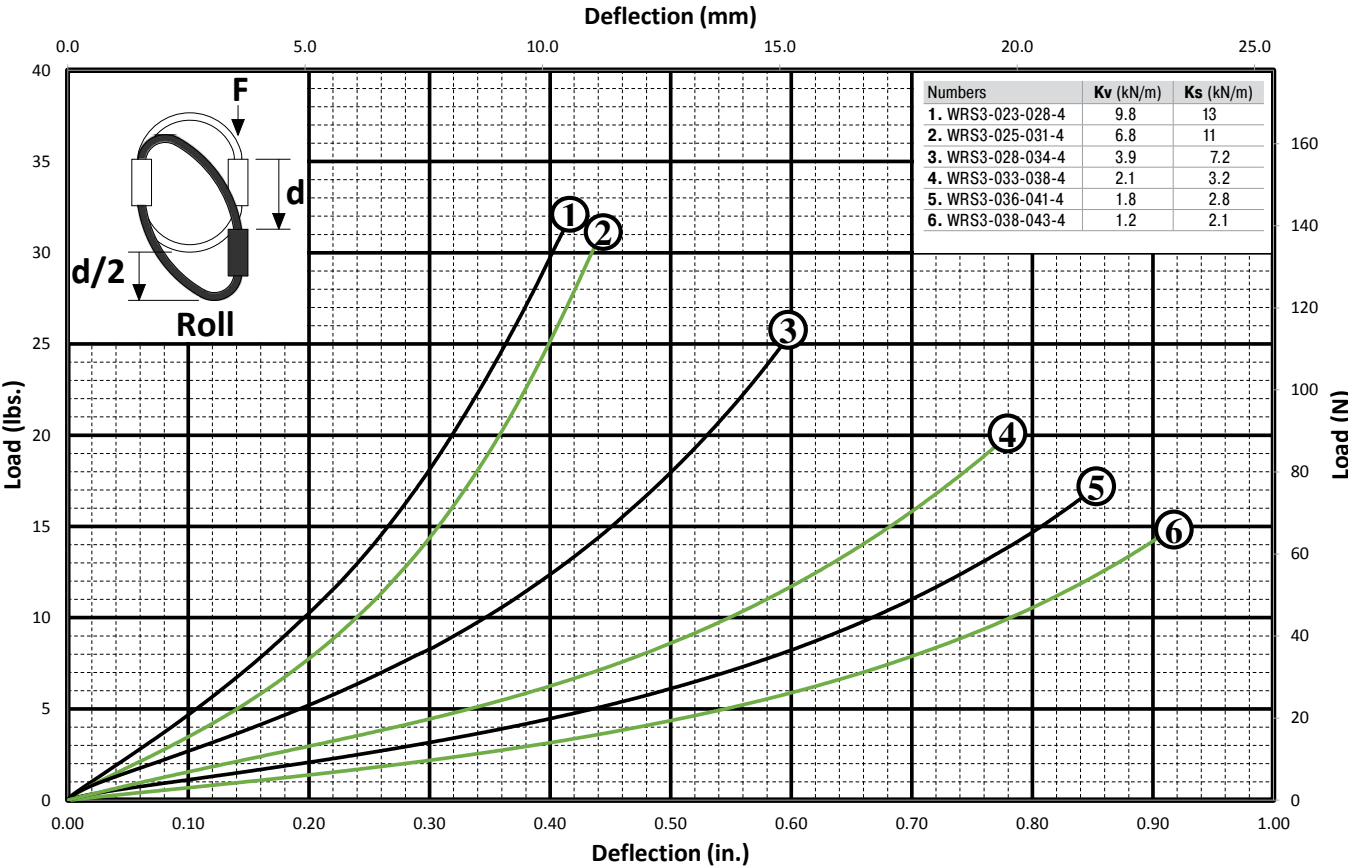


Helical Isolator Short, 2.38 mm (3/32") Diameter Cable

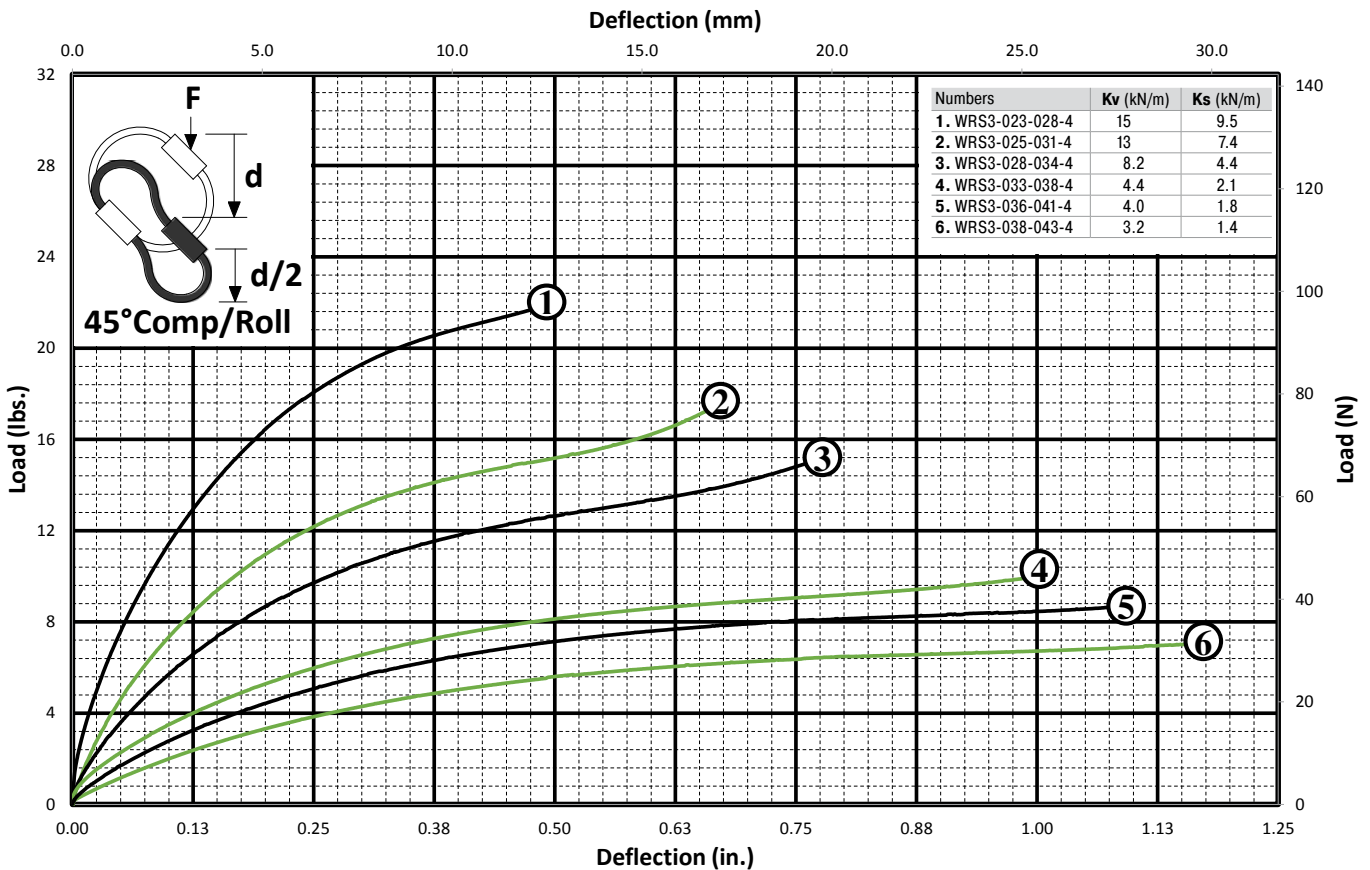
Shear



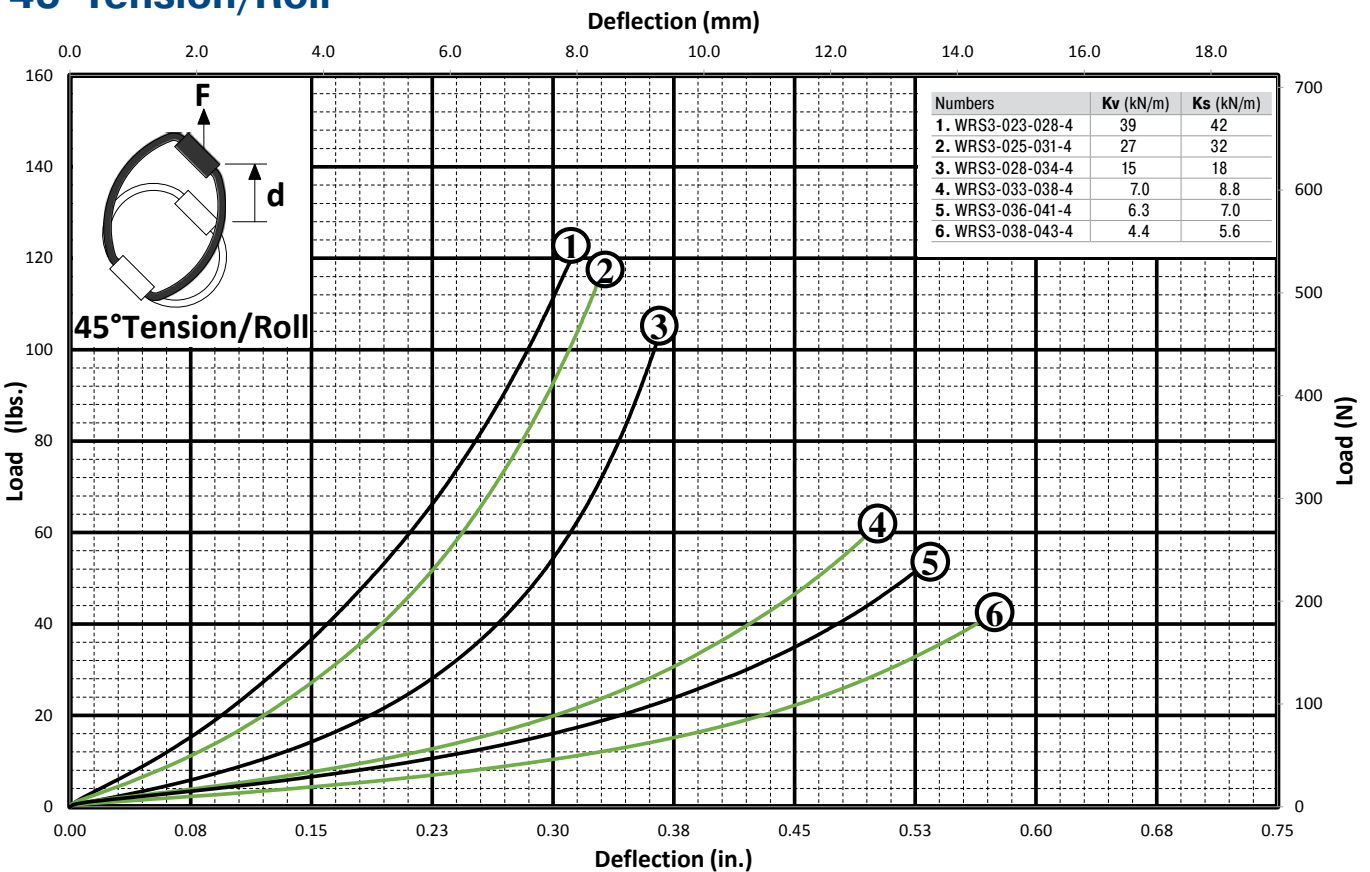
Roll



45° Compression/Roll



45° Tension/Roll



WRS4

Helical Isolator Short

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 $\approx$ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

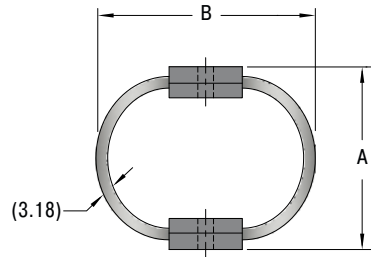
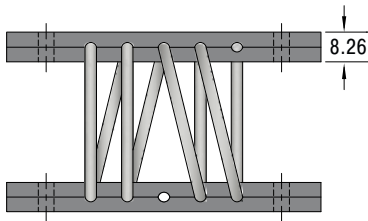
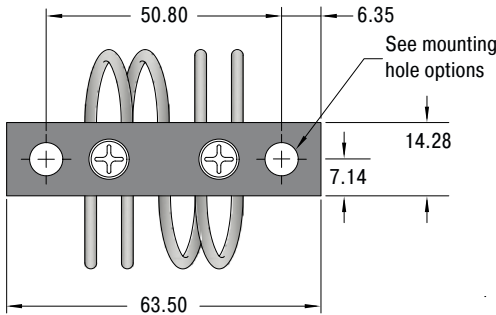
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-42
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ± 0.25 mm
- Add 0.06 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	
WRS4-028-036-4	27.9	35.6	35	32	8.9	13	15	8.9	0.045
WRS4-031-038-4	30.5	38.1	34	29	11.4	11	14	11.4	0.045
WRS4-033-041-4	33.0	40.6	27	21	14.0	8.4	12	14.0	0.048
WRS4-036-043-4	35.6	43.2	20	17	16.5	5.8	8.8	16.5	0.049
WRS4-038-046-4	38.1	45.7	16	13	19.1	5.3	7.9	19.1	0.050
WRS4-041-048-4	40.6	48.2	14	10	21.6	3.9	6.1	21.6	0.051

Ordering Example

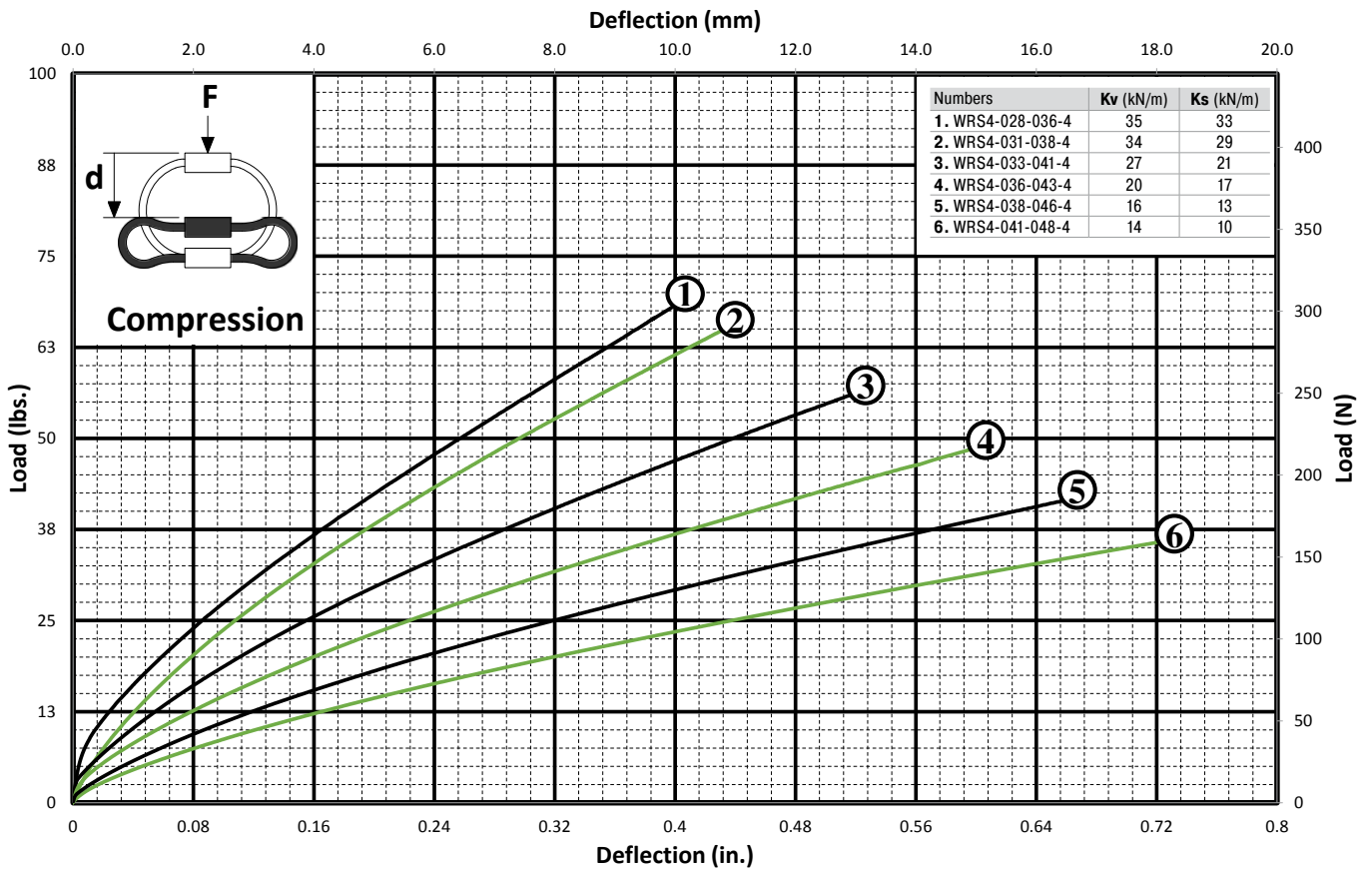
Type _____
 Model size height _____
 Model size wide _____
 Number of loops _____
 Mounting hole _____

WRS4-028-036-4-A

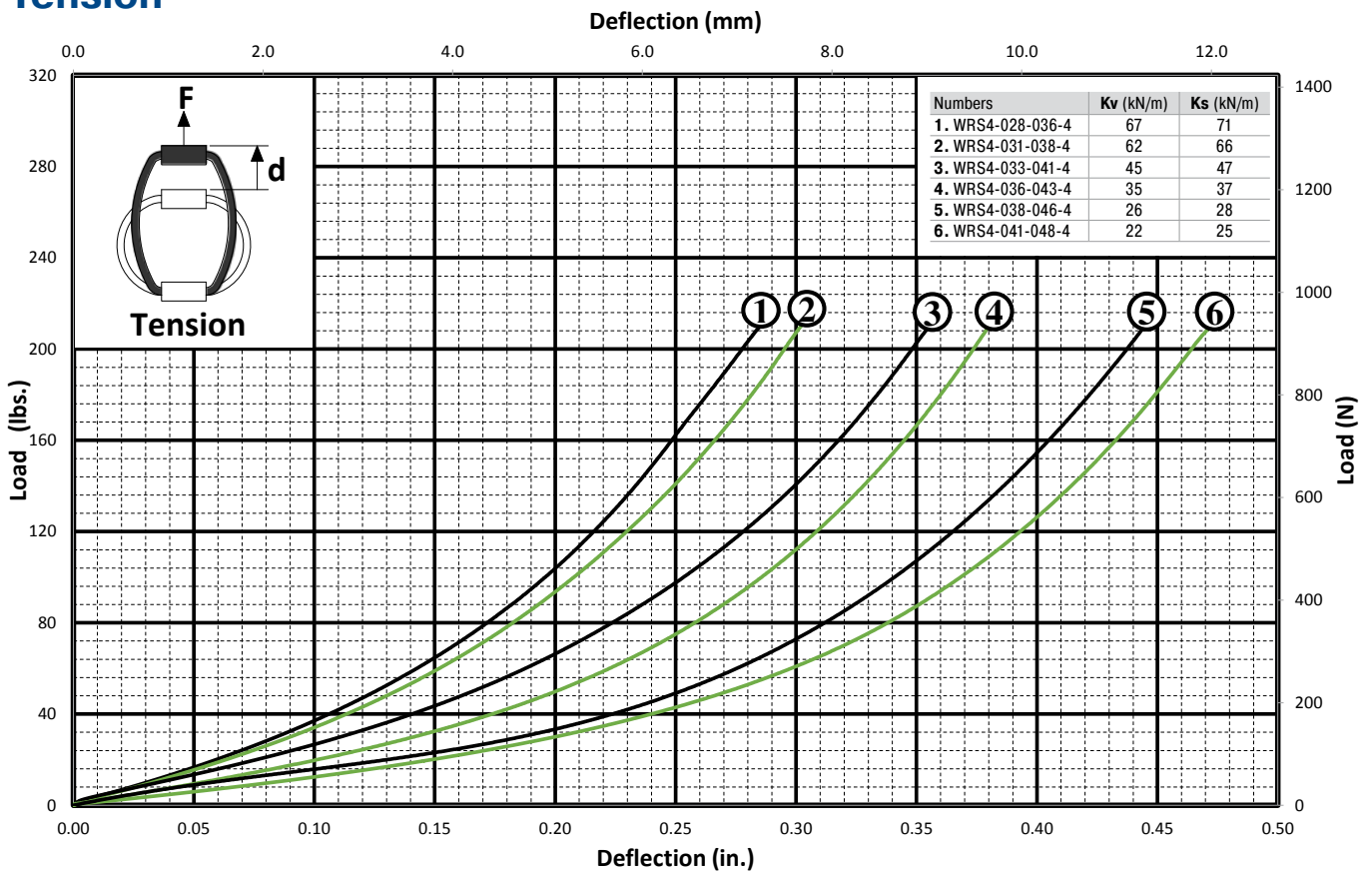
Mounting Hole Options

A	D
B	E
C	F

Compression

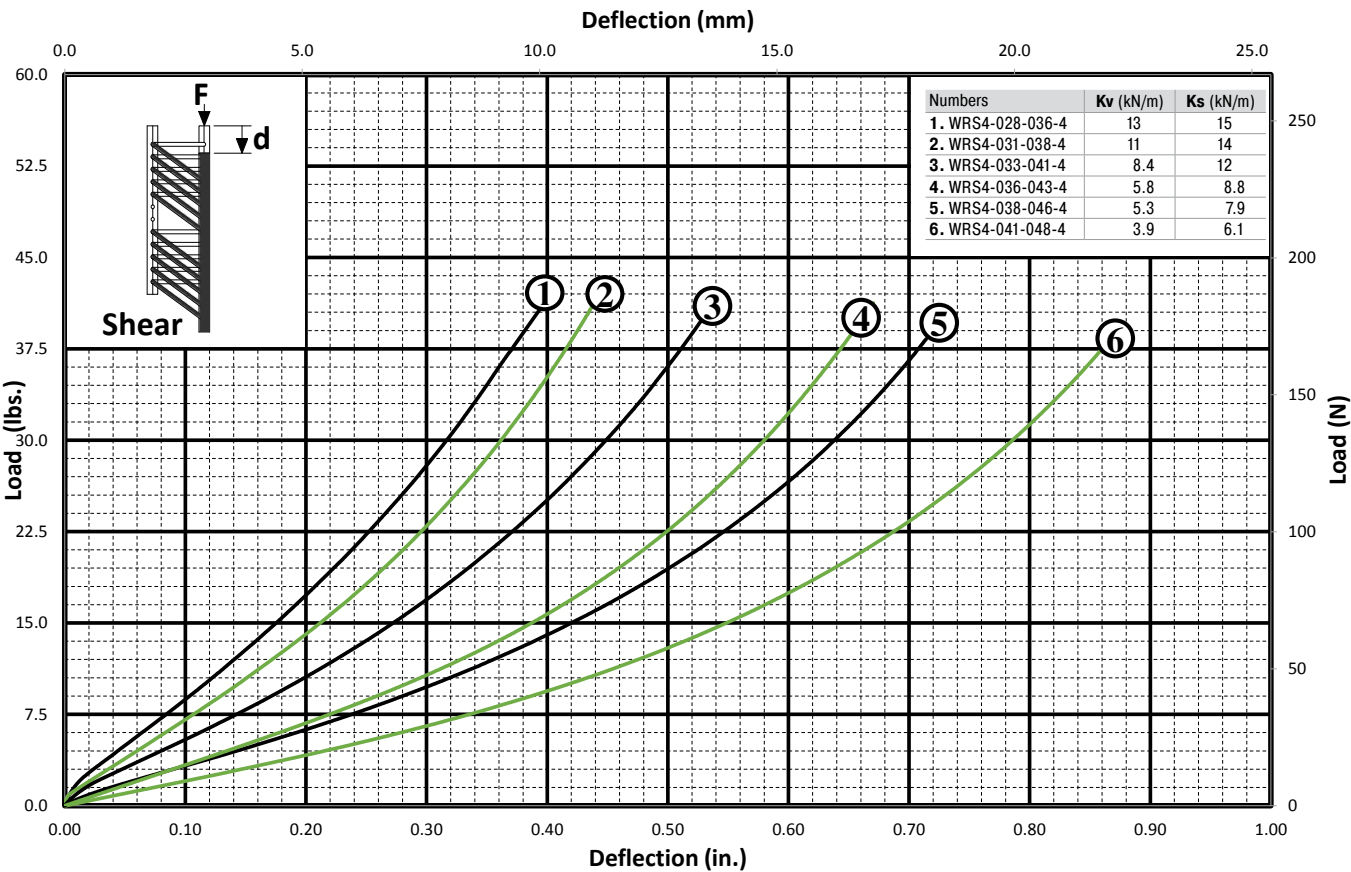


Tension

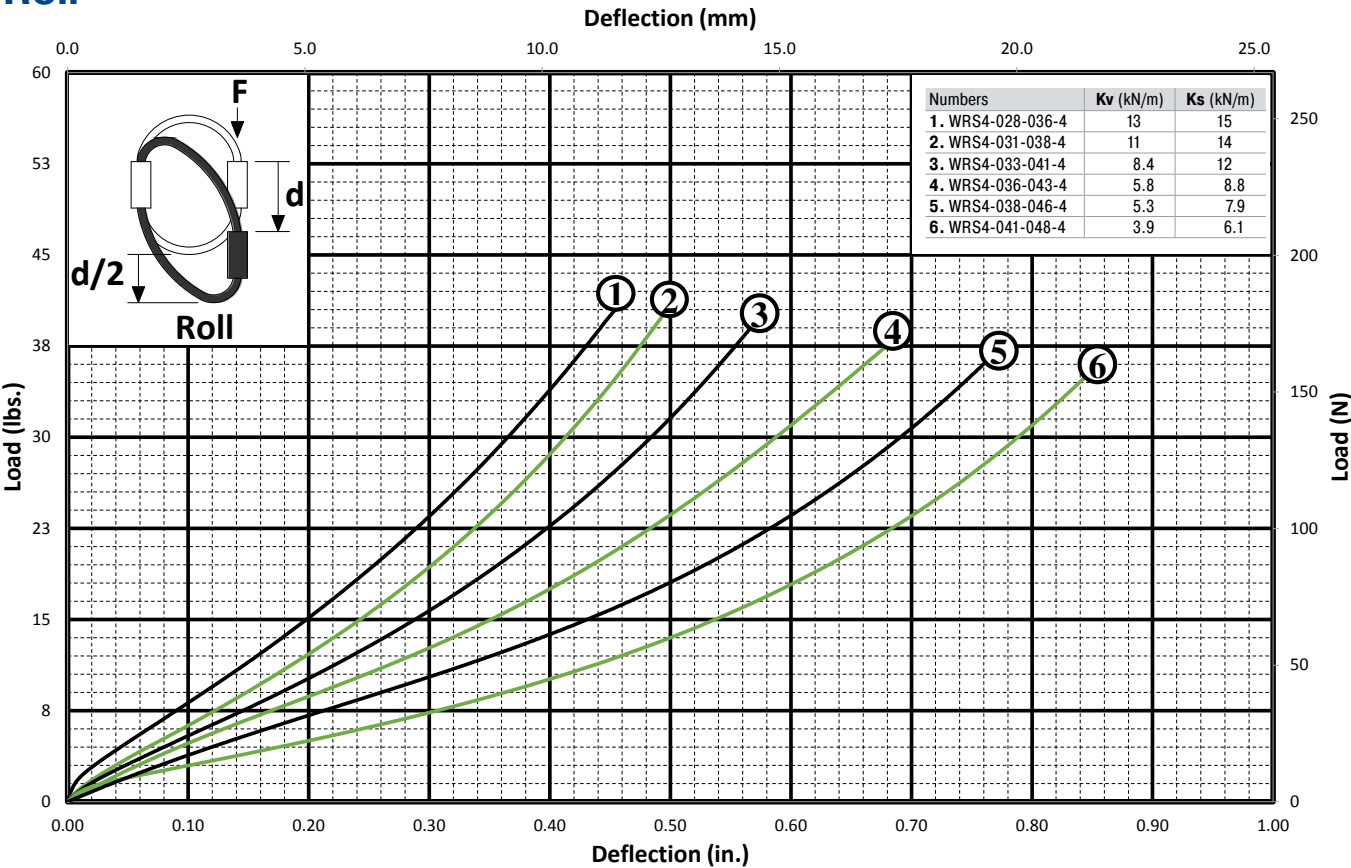


Helical Isolator Short, 3.18 mm (1/8") Diameter Cable

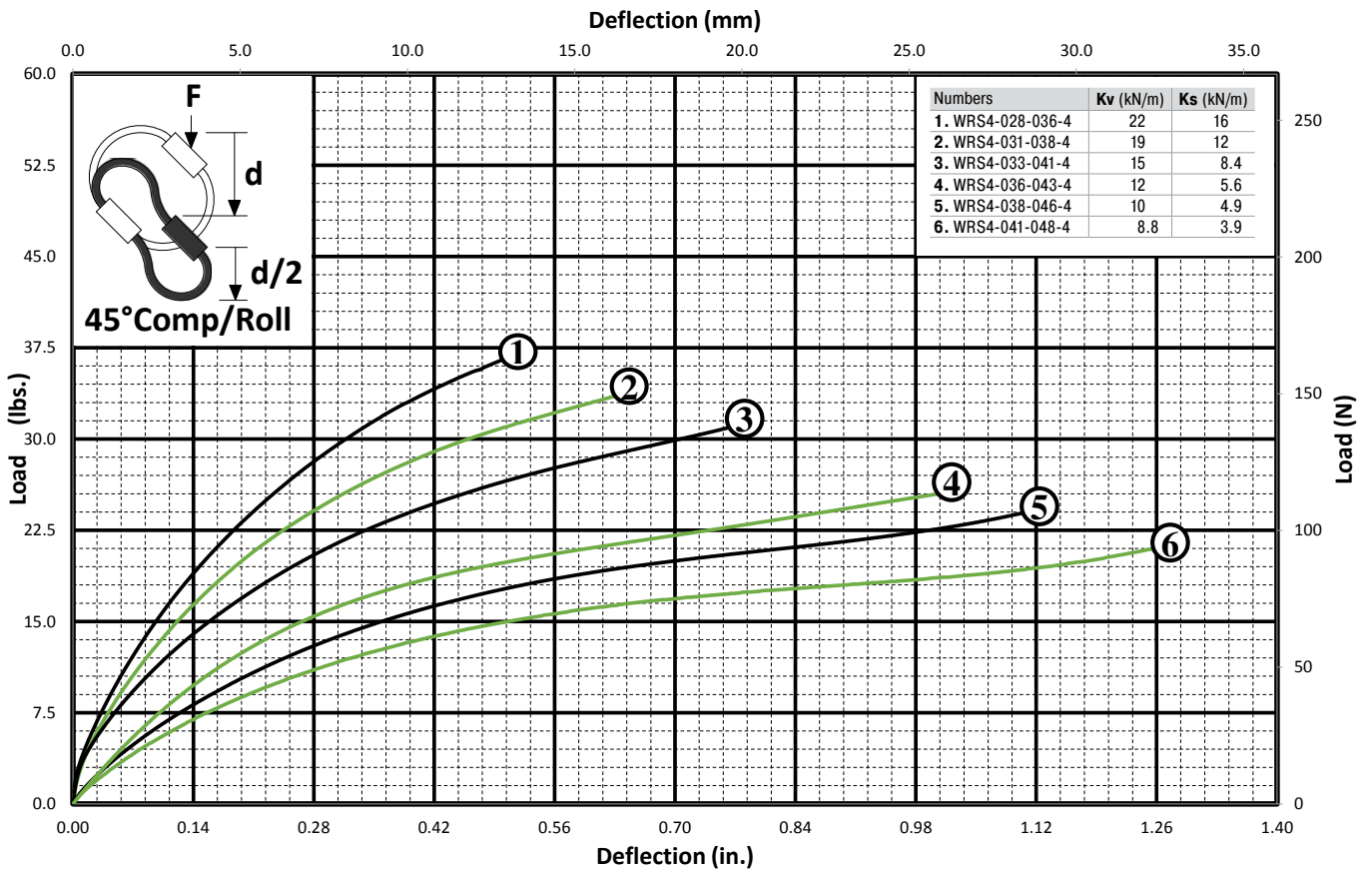
Shear



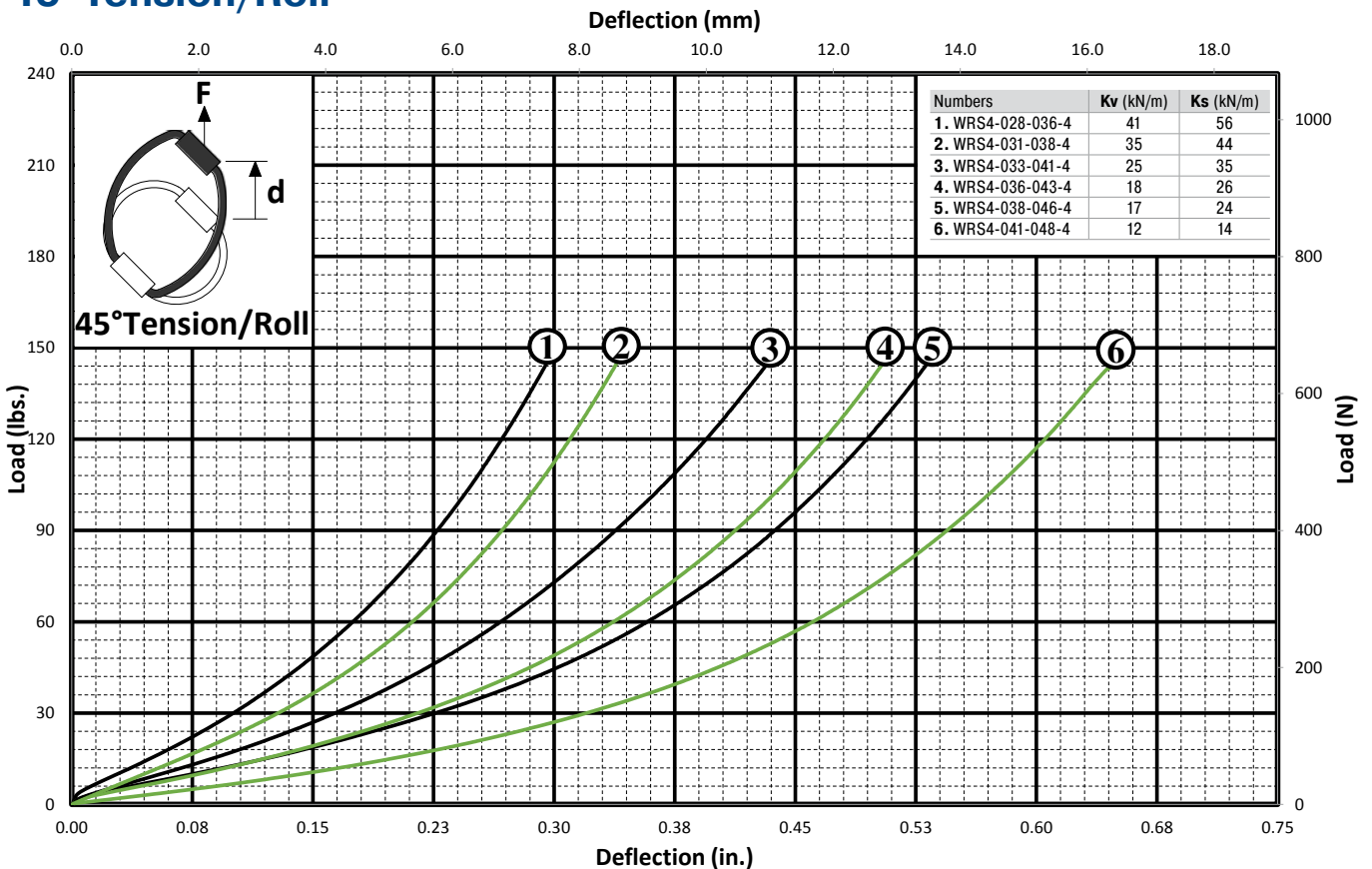
Roll



45° Compression/Roll



45° Tension/Roll



WRS5

Helical Isolator Short

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 $\approx$ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

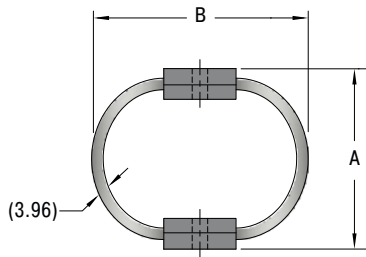
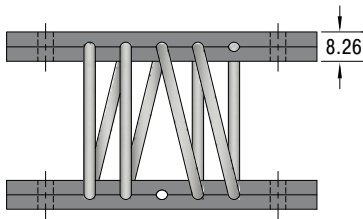
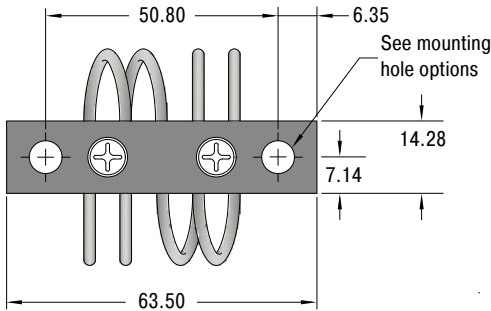
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-42
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ± 0.25 mm
- Add 0.06 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	
WRS5-028-036-4	27.9	35.6	91	84	8.9	33	39	8.9	0.052
WRS5-031-038-4	30.5	38.1	79	70	11.4	25	30	11.4	0.054
WRS5-033-041-4	33.0	40.6	55	47	14.0	17	20	14.0	0.059
WRS5-036-043-4	35.6	43.2	47	37	16.5	13	17	16.5	0.059
WRS5-038-046-4	38.1	45.7	36	29	19.1	8.9	14	19.1	0.061
WRS5-041-048-4	40.6	48.2	27	21	21.6	7.4	11	21.6	0.061

Ordering Example

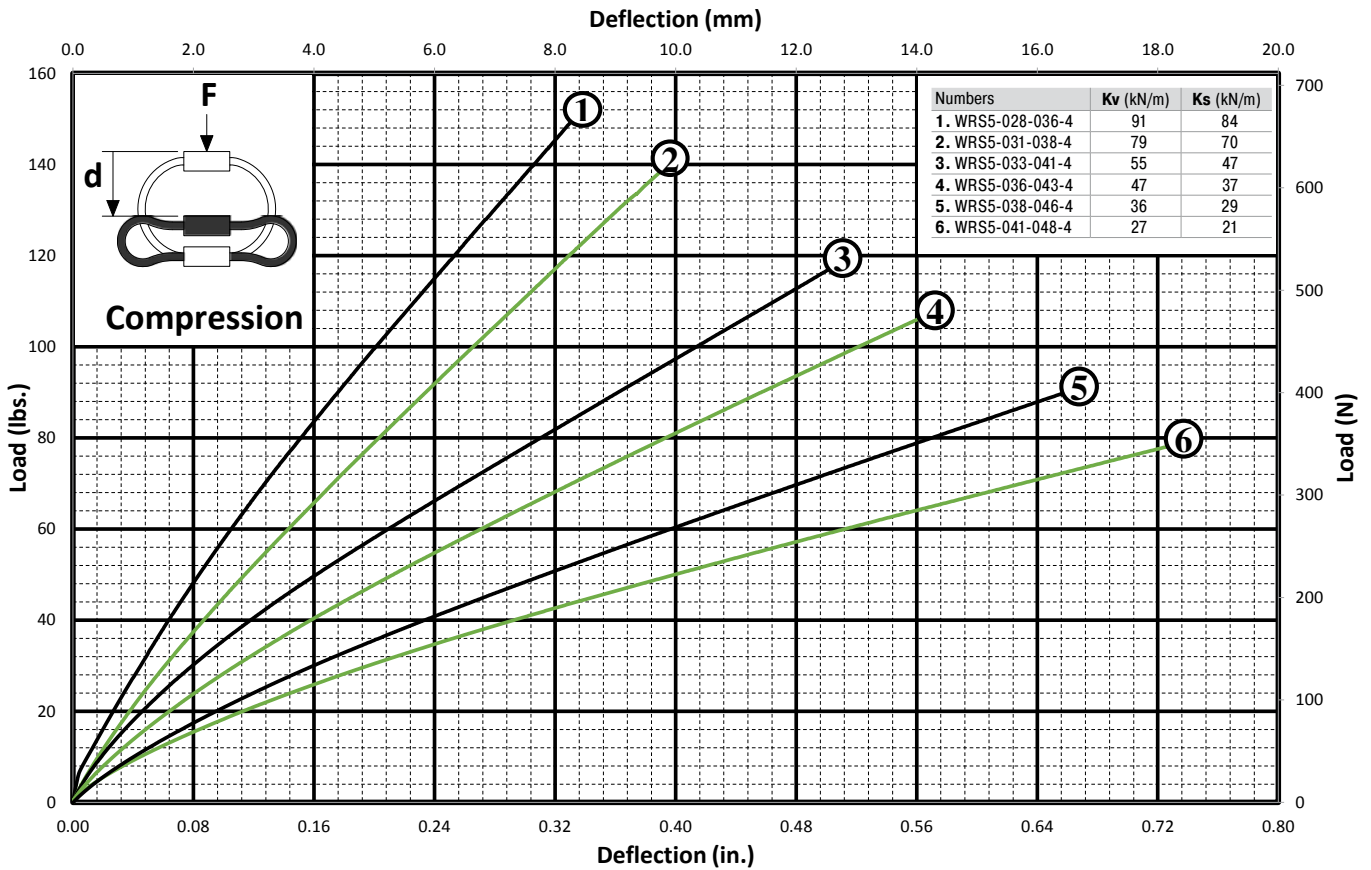
Type _____
 Model size height _____
 Model size wide _____
 Number of loops _____
 Mounting hole _____

WRS5-028-036-4-A

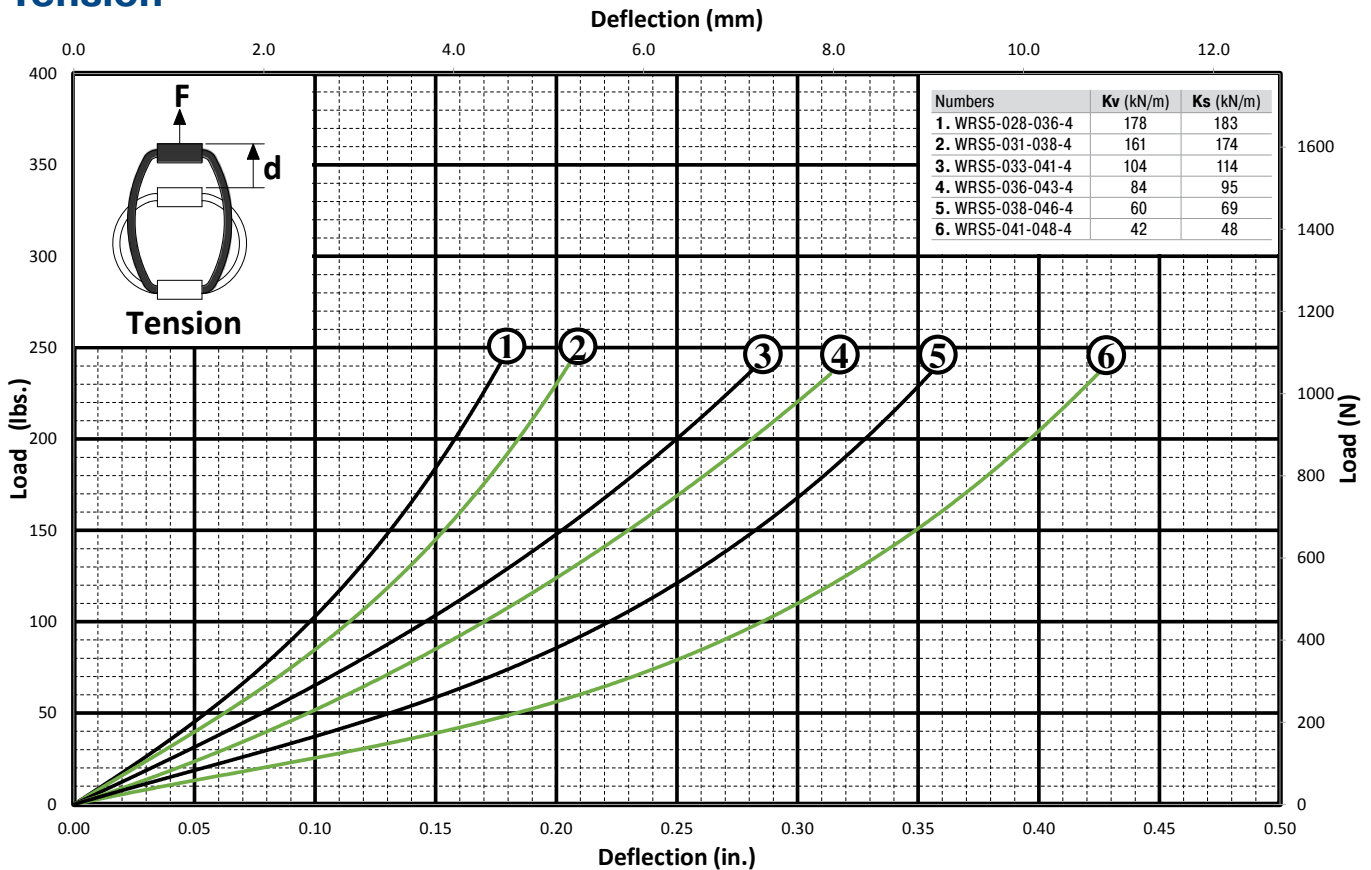
Mounting Hole Options

A	D
B	E
C	F

Compression

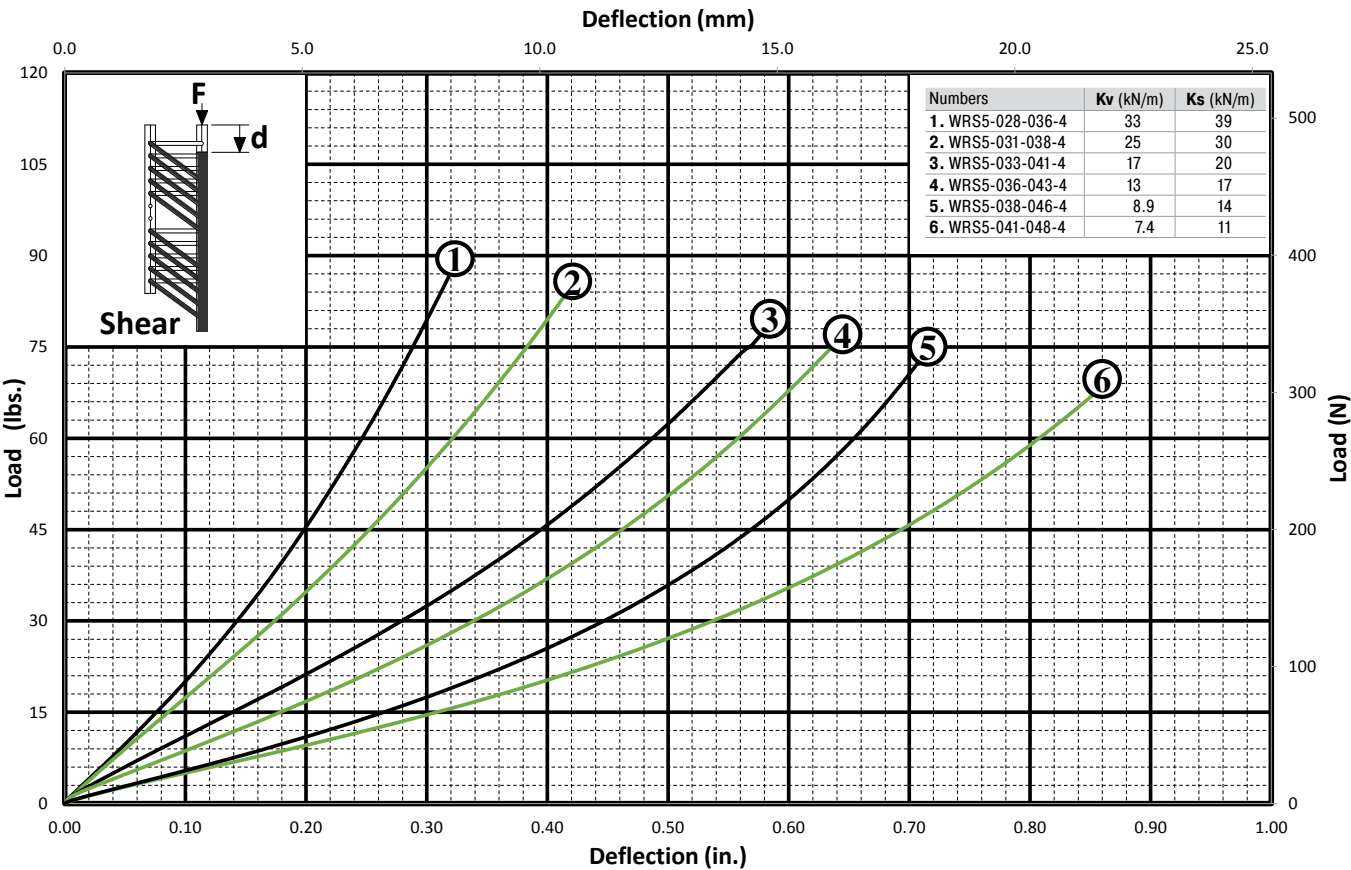


Tension

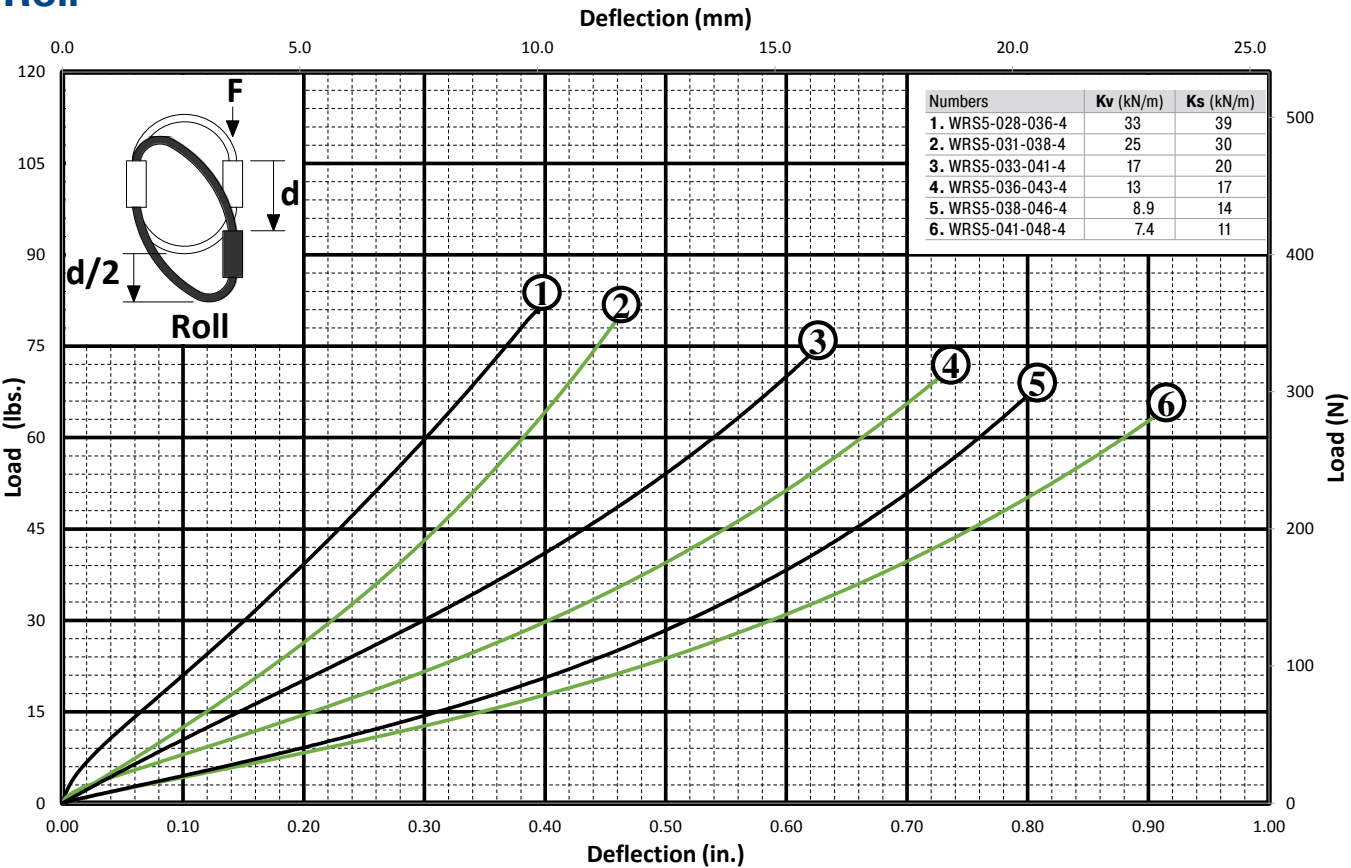


Helical Isolator Short, 3.97 mm (5/32") Diameter Cable

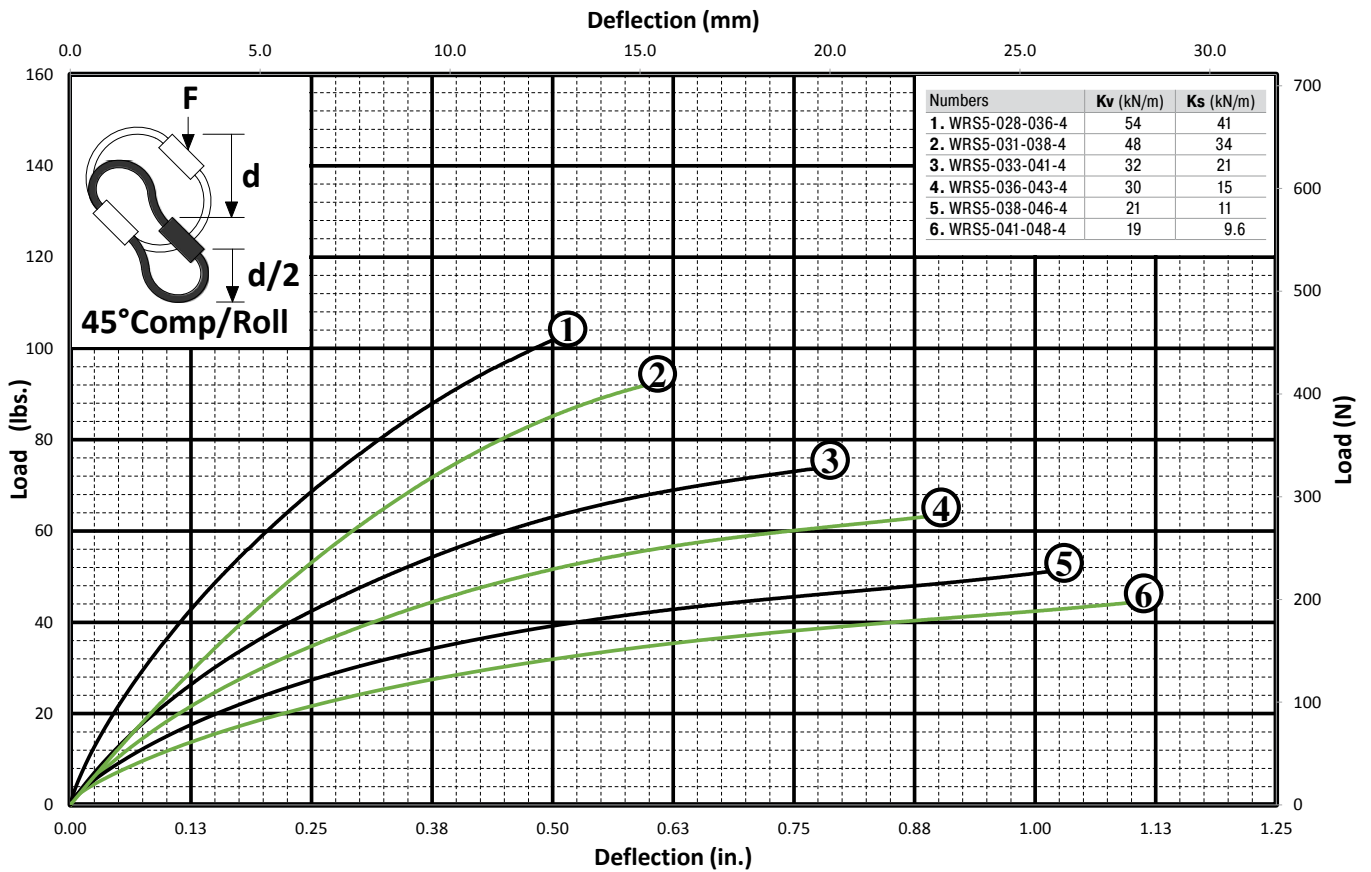
Shear



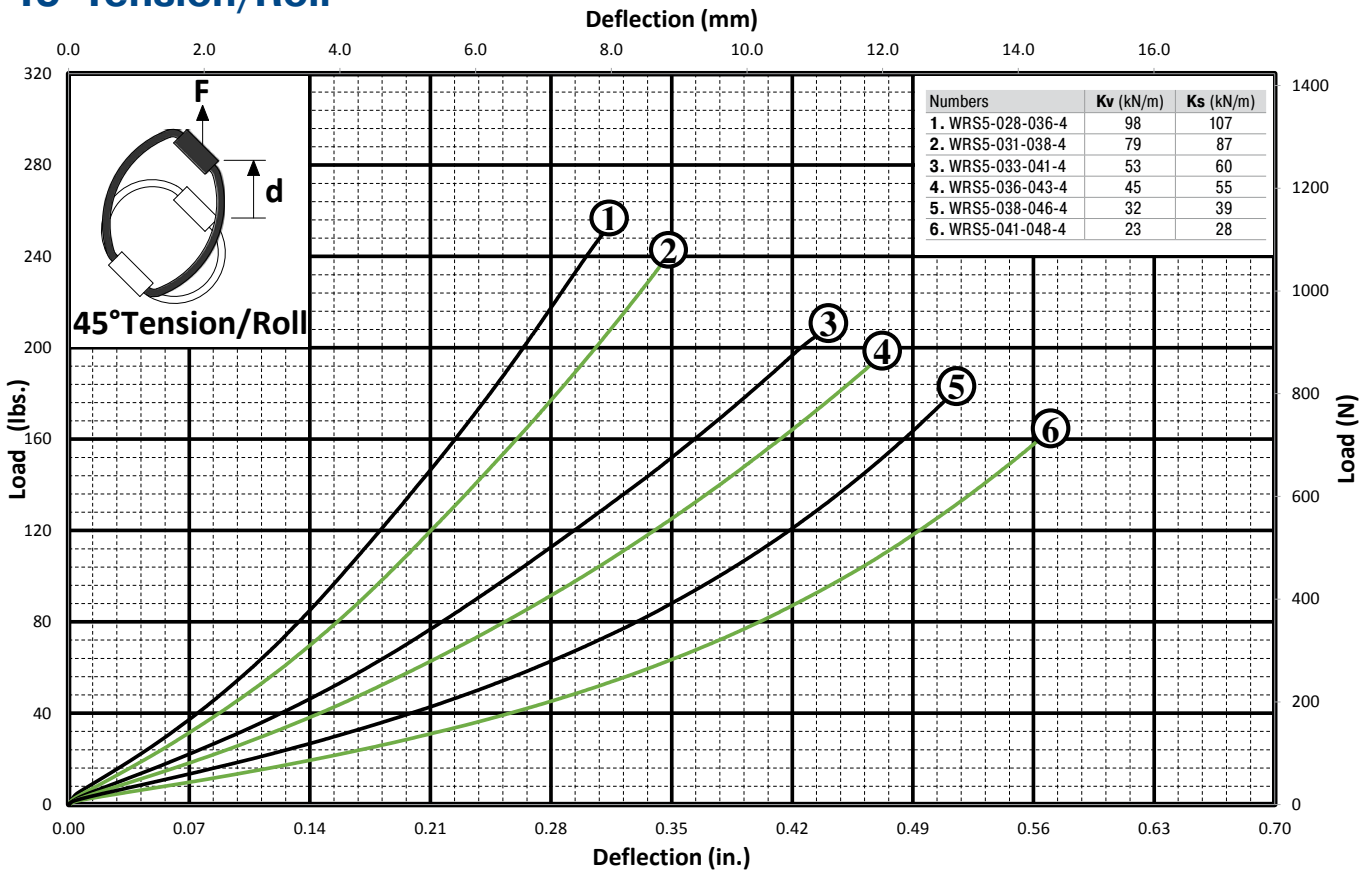
Roll



45° Compression/Roll



45° Tension/Roll



WRS6A

Helical Isolator Short

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 $\approx$ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

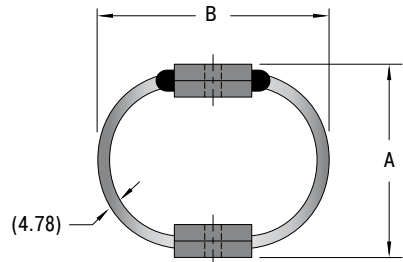
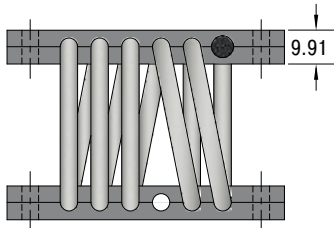
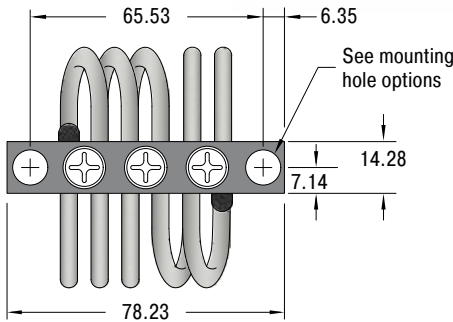
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-28
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ± 0.25 mm
- Add 0.08 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	
WRS6A-051-058-5	50.8	57.9	37	26	25.4	12.1	13	25.4	0.089
WRS6A-052-064-5	52.3	63.5	30	22	26.7	8.2	11	26.7	0.092
WRS6A-054-075-5	54.1	74.7	21	15	27.9	6.1	8.1	27.9	0.097
WRS6A-056-081-5	55.6	81.0	14	11	29.2	5.1	6.7	29.2	0.105
WRS6A-062-088-5	62.2	87.6	13	8.8	40.6	2.3	5.1	40.6	0.109
WRS6A-081-107-5	81.3	106.7	7.0	3.9	55.9	1.4	2.6	55.9	0.132

Ordering Example

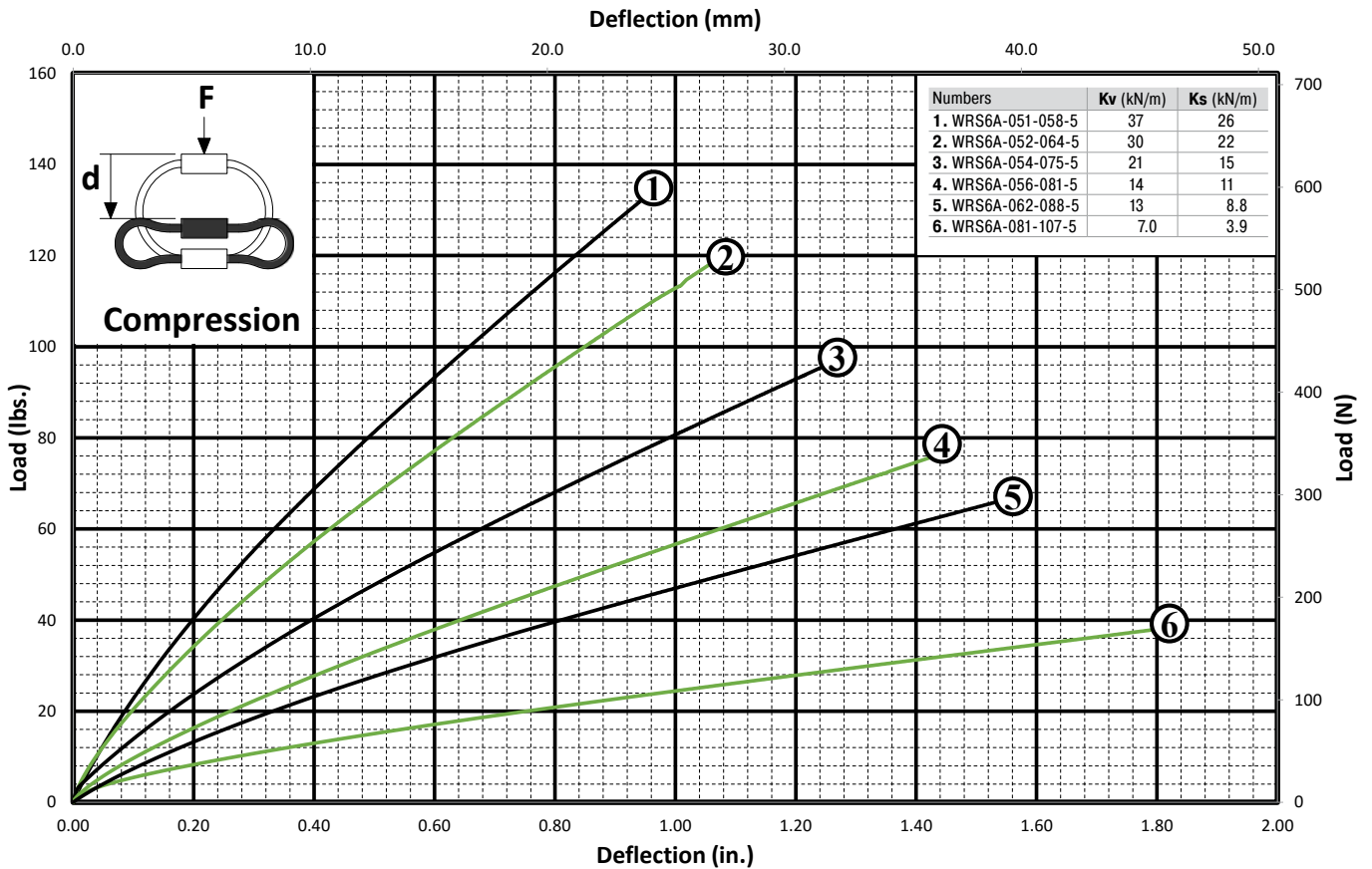
Type _____
 Model size height _____
 Model size wide _____
 Number of loops _____
 Mounting hole _____

WRS6A-051-058-5-A

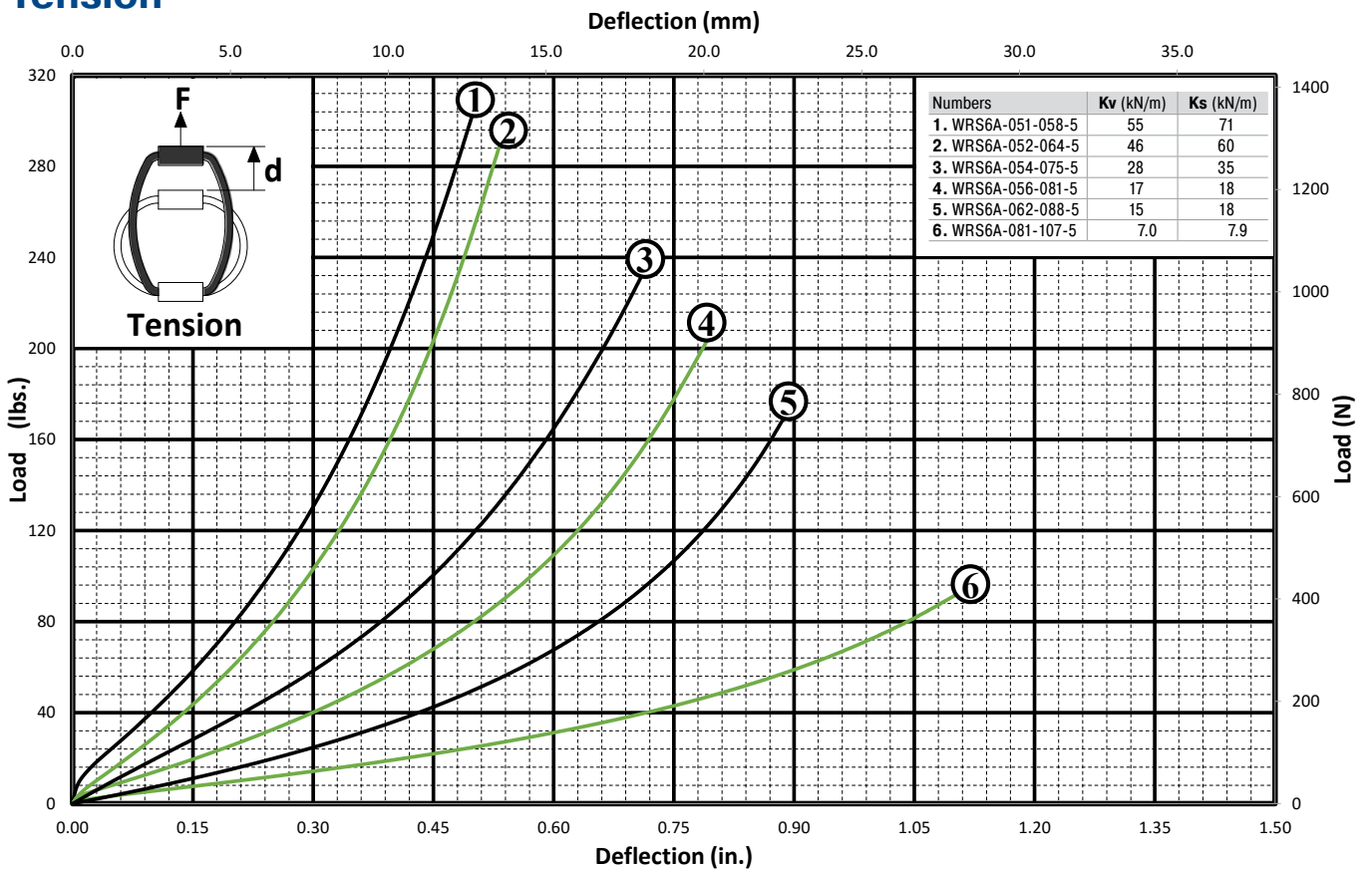
Mounting Hole Options

A	D
B	E
C	F

Compression

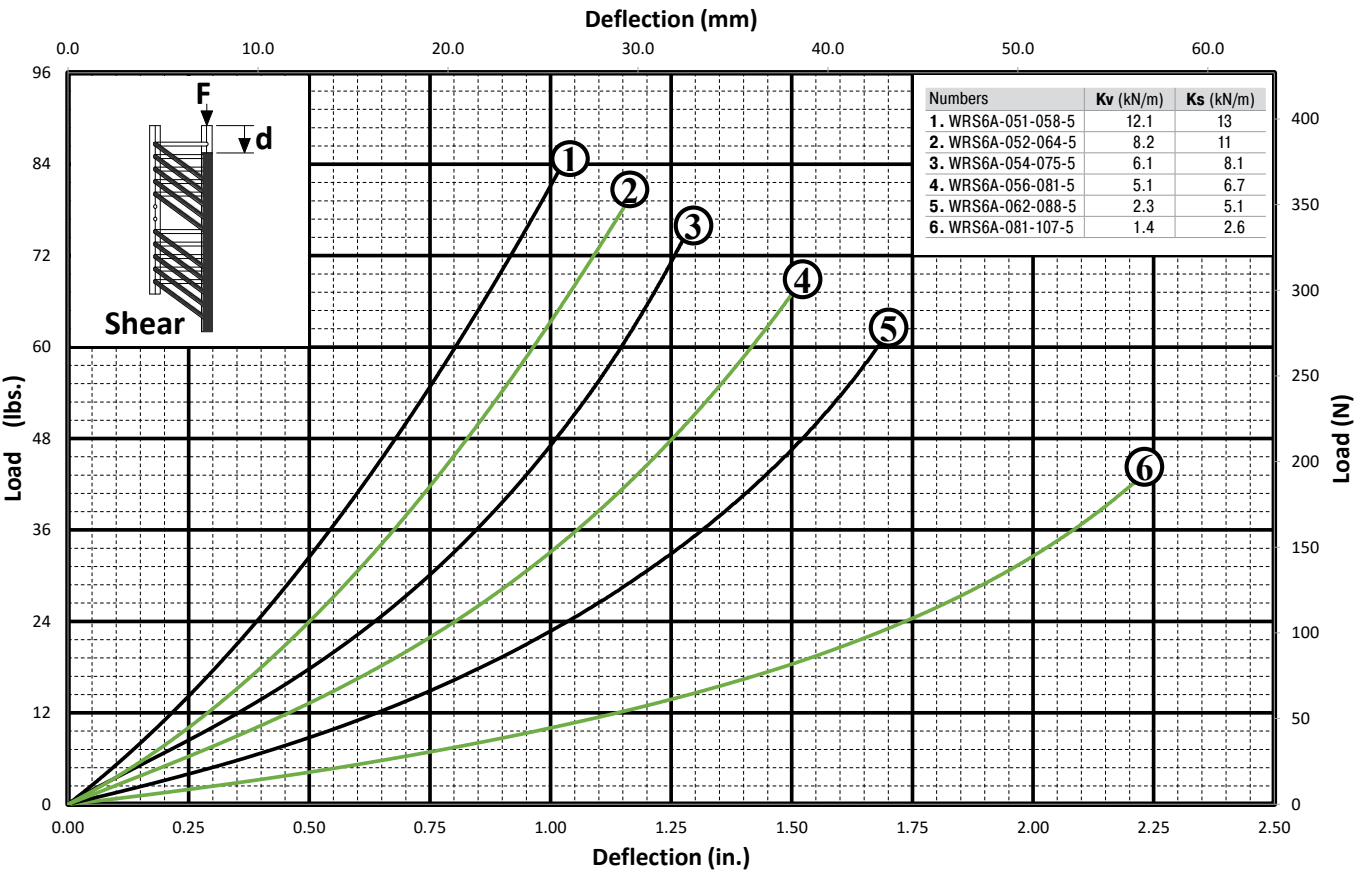


Tension

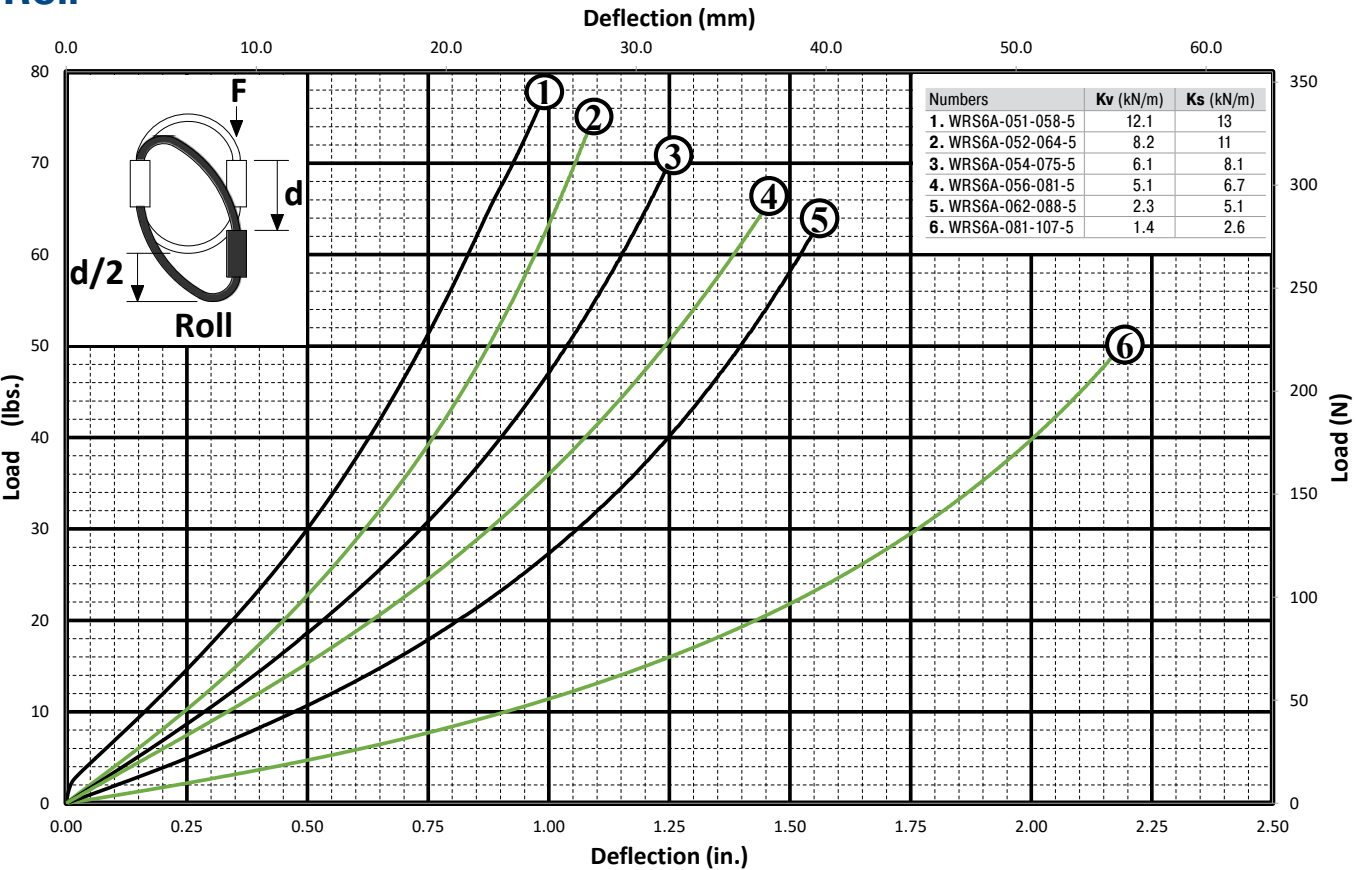


Helical Isolator Short, 4.76 mm (3/16") Diameter Cable

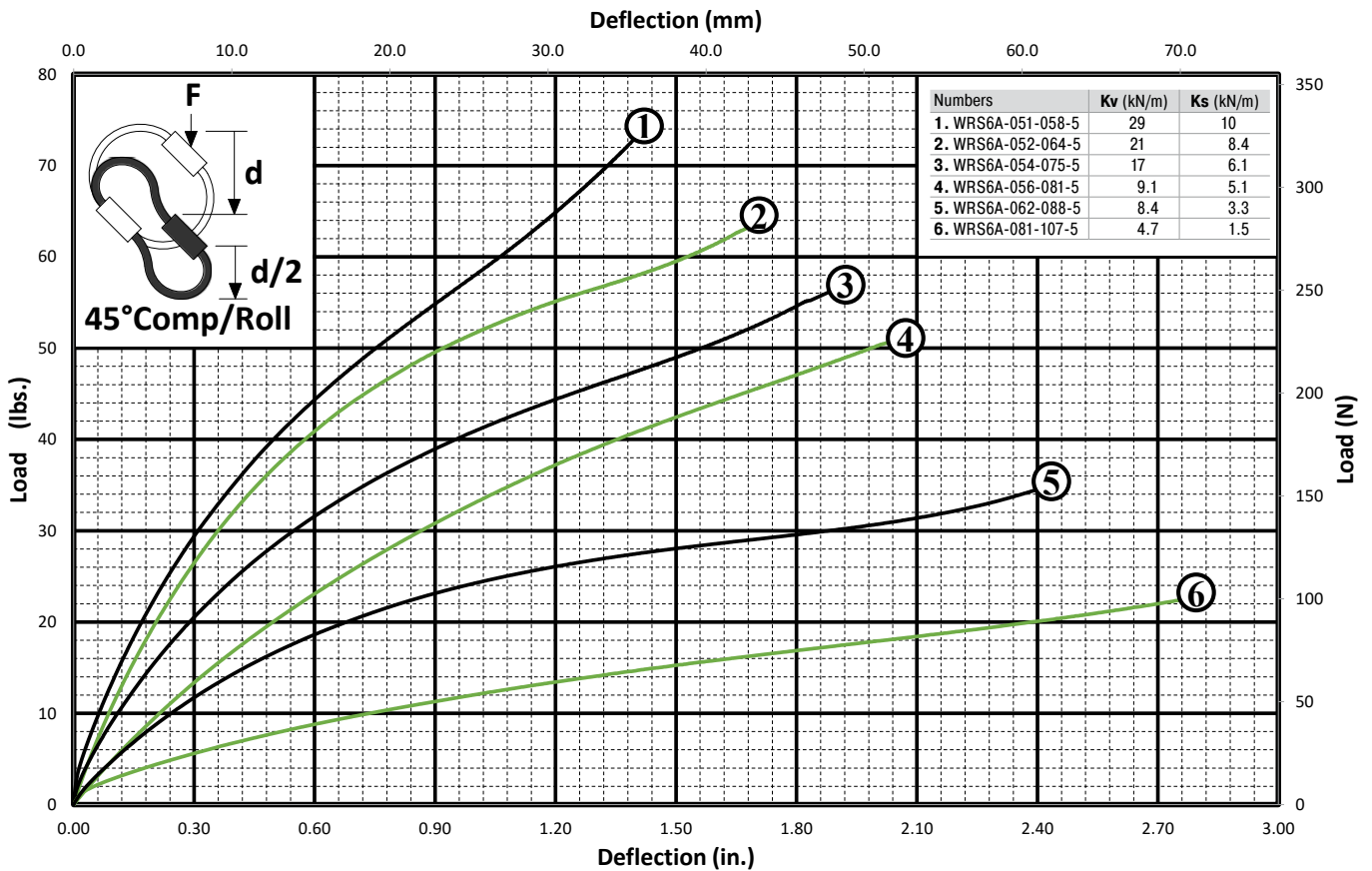
Shear



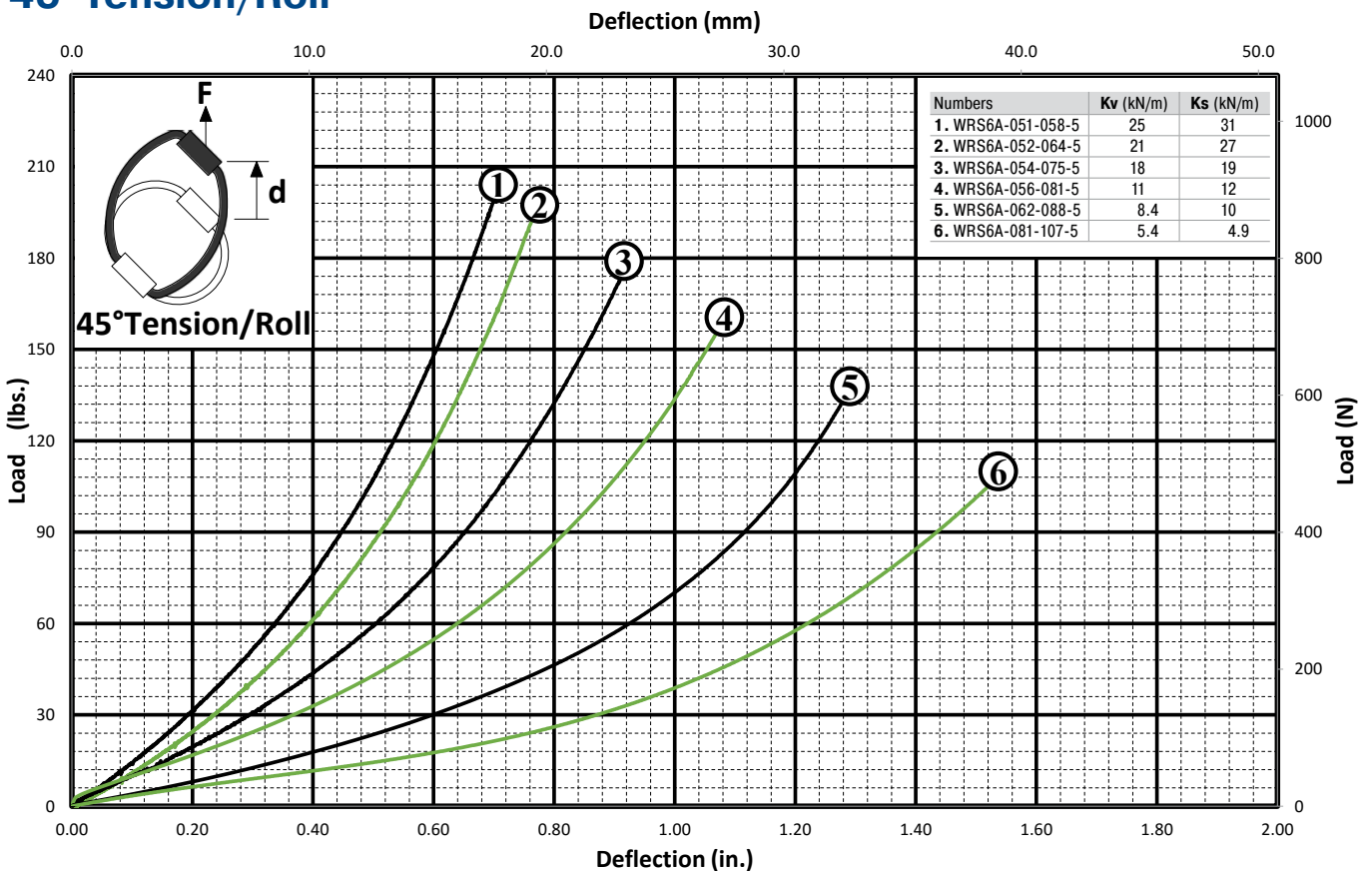
Roll



45° Compression/Roll



45° Tension/Roll



WRS6

Helical Isolator Short

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: $C/cc \approx 0.15$ to 0.20

Operating temperature range

-130°C to +260°C

Material

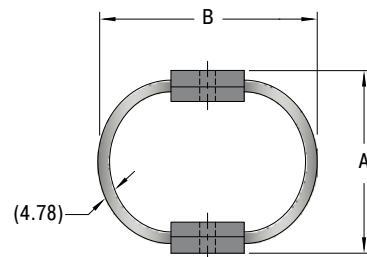
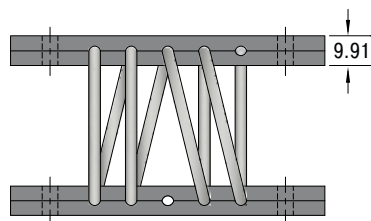
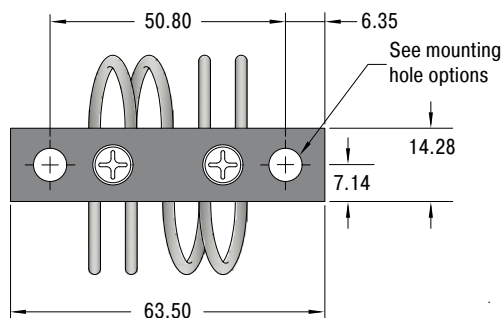
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS per MS51959-28
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/
Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ± 0.25 mm
- Add 0.06 kg to Isolator weight for all stainless steel versions

On request

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



Performance

TYPERN	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	
WRS6-031-036-10	30.5	35.6	134	127	10.2	44	55	10.2	0.067
WRS6-033-038-10	33.0	38.1	111	99	11.4	40	49	11.4	0.068
WRS6-036-041-4	35.6	40.6	100	89	12.7	29	36	12.7	0.070
WRS6-038-043-4	38.1	43.2	88	75	15.2	25	33	15.2	0.073
WRS6-041-046-4	40.6	45.7	67	55	17.8	21	26	17.8	0.075
WRS6-043-048-4	43.2	48.2	52	41	20.3	15	22	20.3	0.077
WRS6-048-053-4	48.2	53.3	36	27	25.4	11	14	25.4	0.084
WRS6-051-058-4	51.0	58.4	30	23	27.9	8.6	12	27.9	0.089

Ordering Example

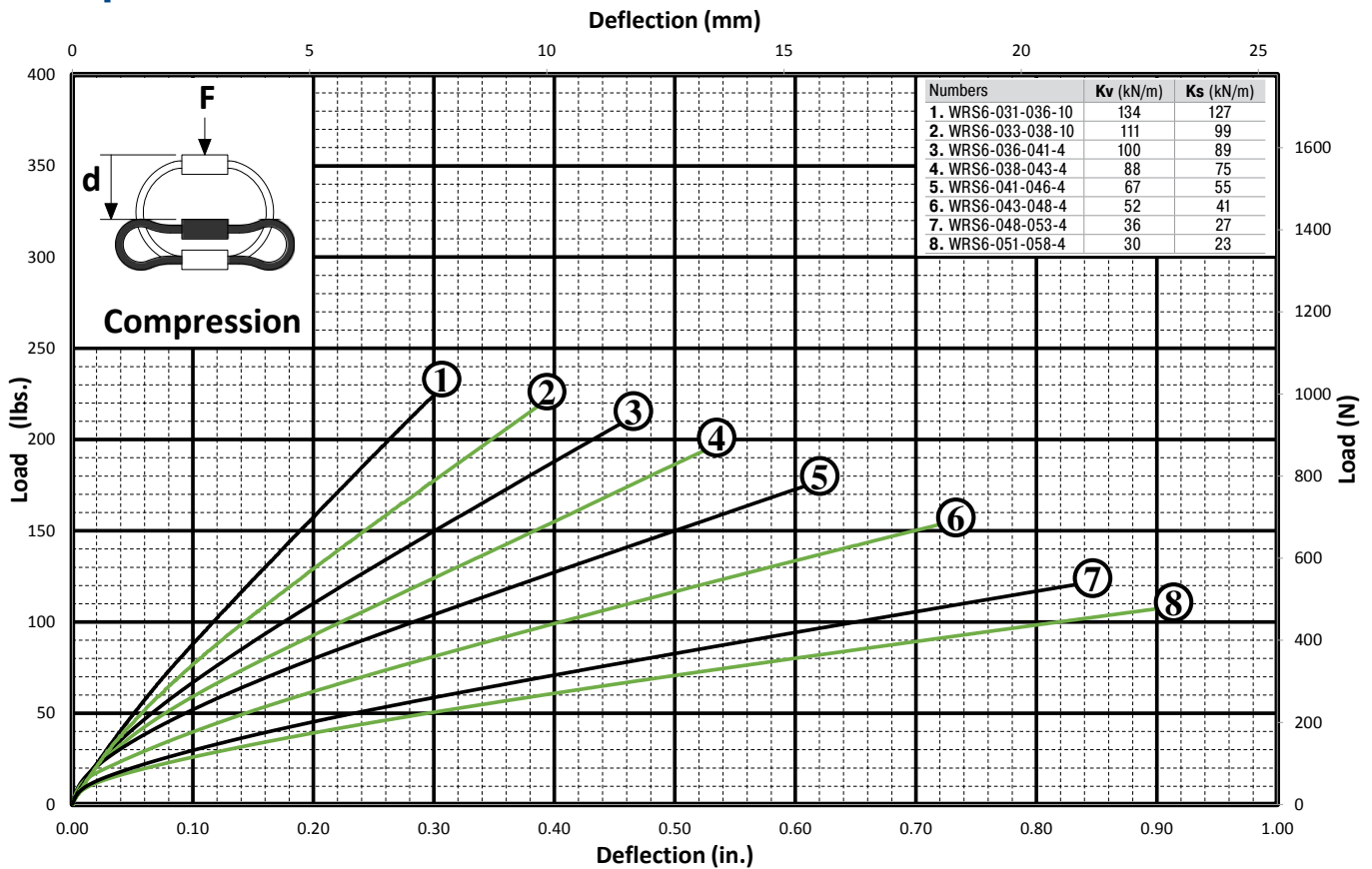
WRS6-036-041-4-A

Type _____
 Model size height _____
 Model size wide _____
 Number of loops _____
 Mounting hole _____

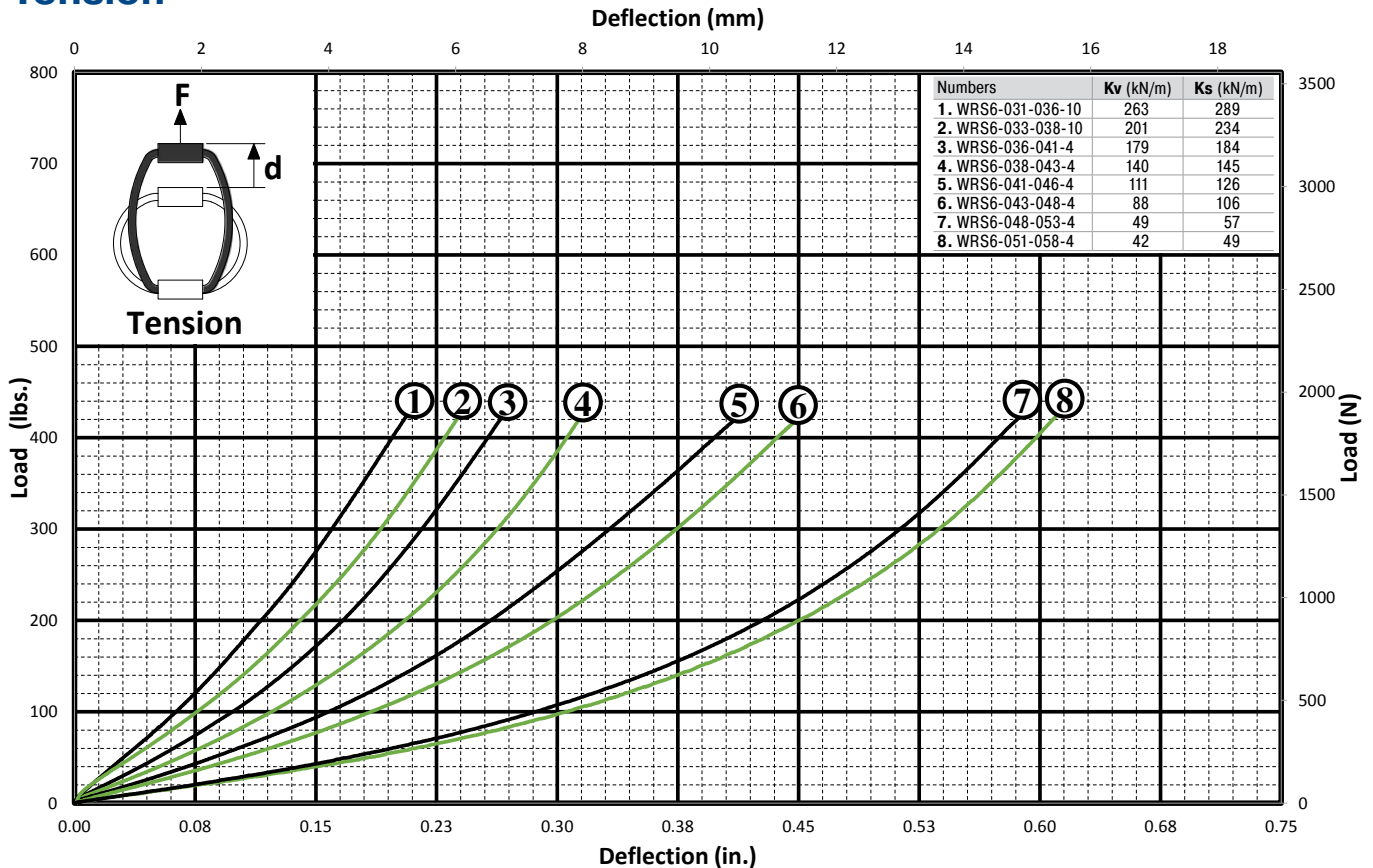
Mounting Hole Options

A	D
B	E
C	F

Compression

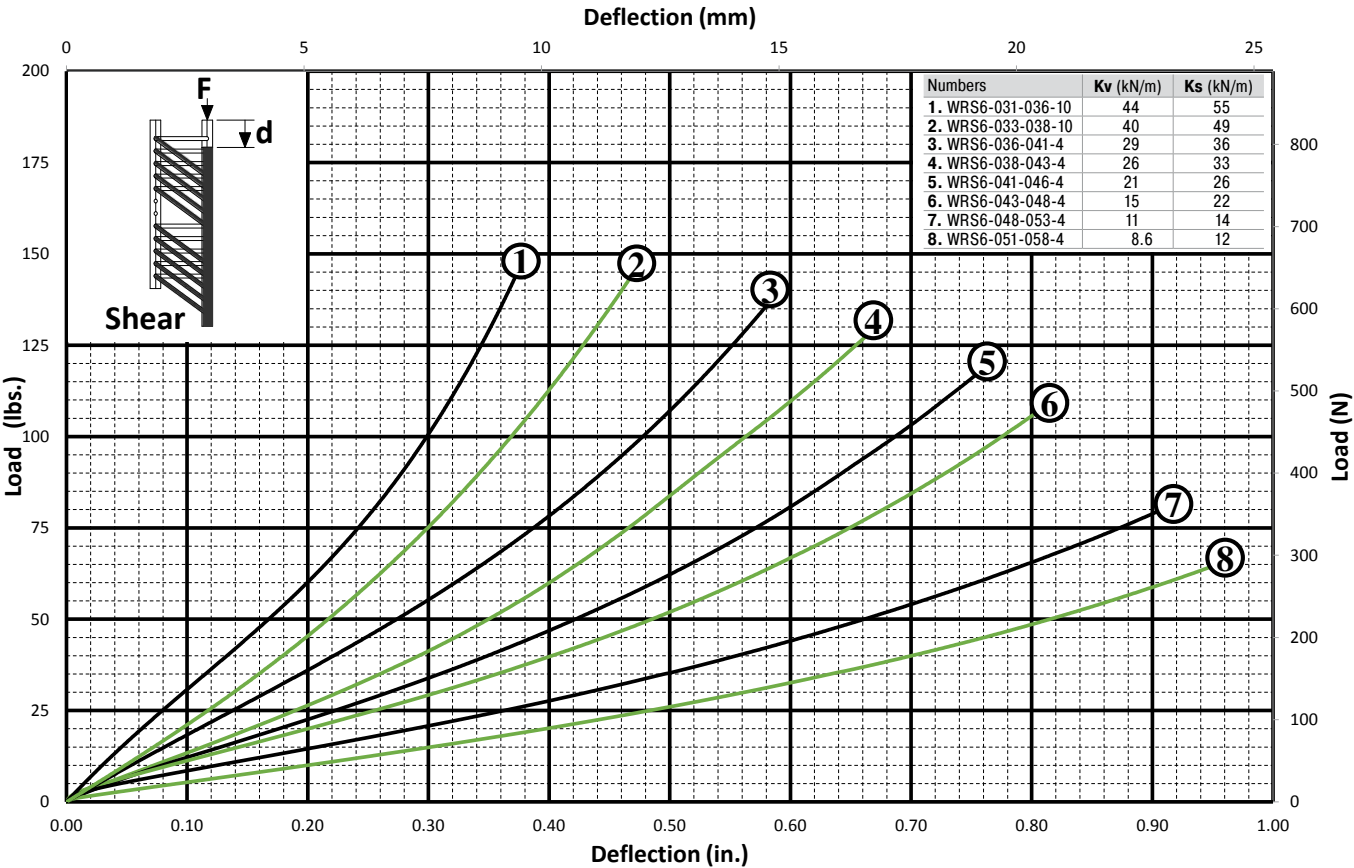


Tension

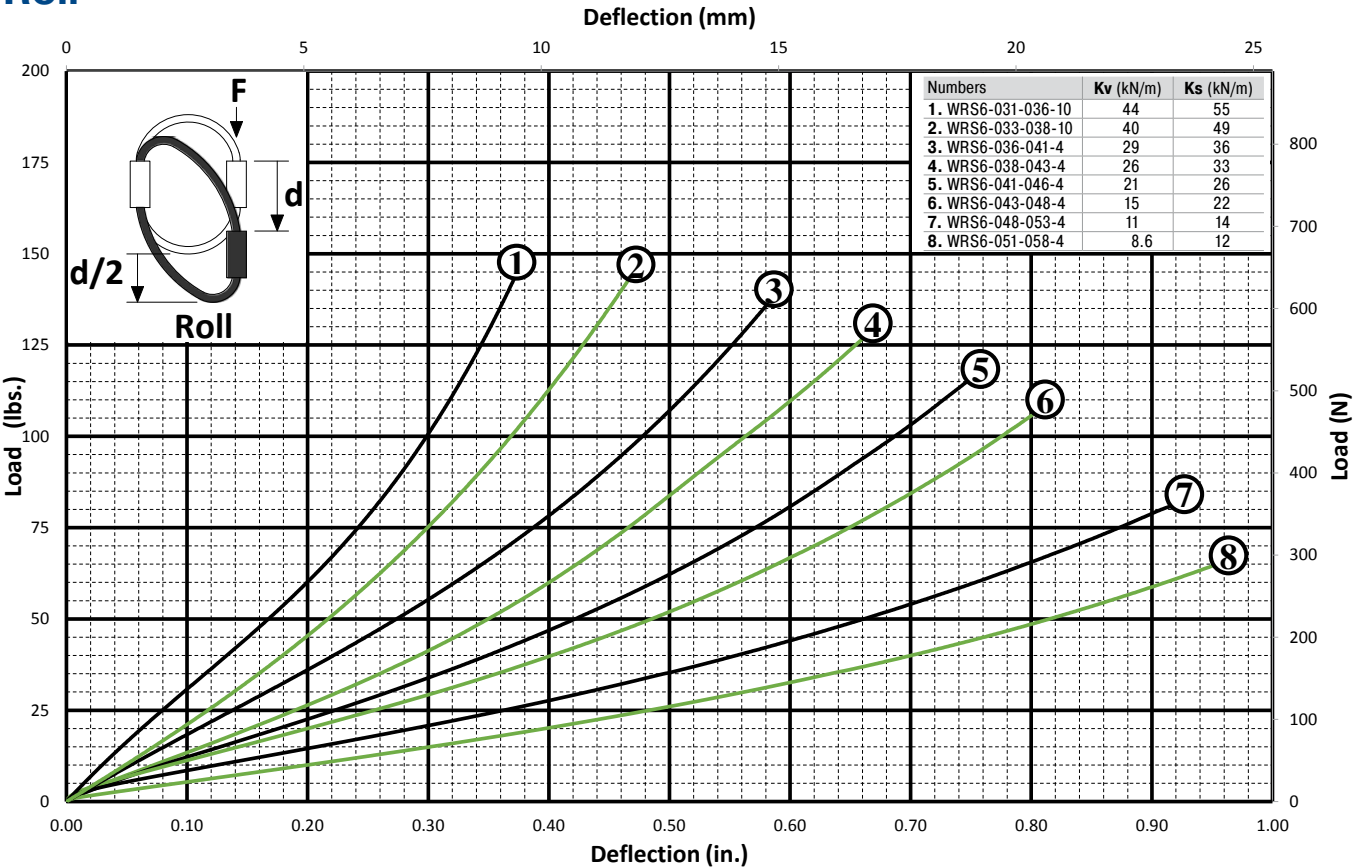


Helical Isolator Short, 4.76 mm (3/16") Diameter Cable

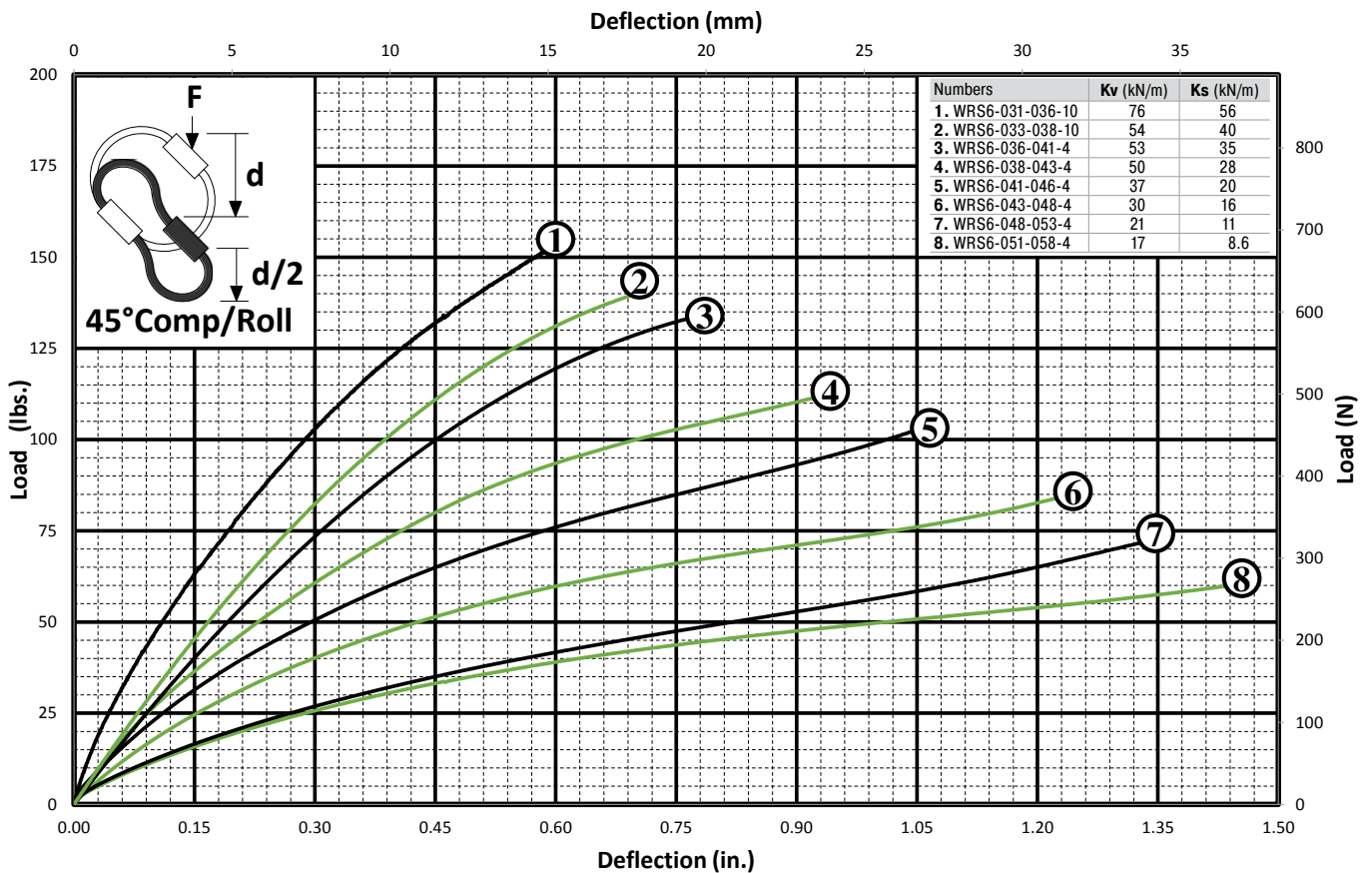
Shear



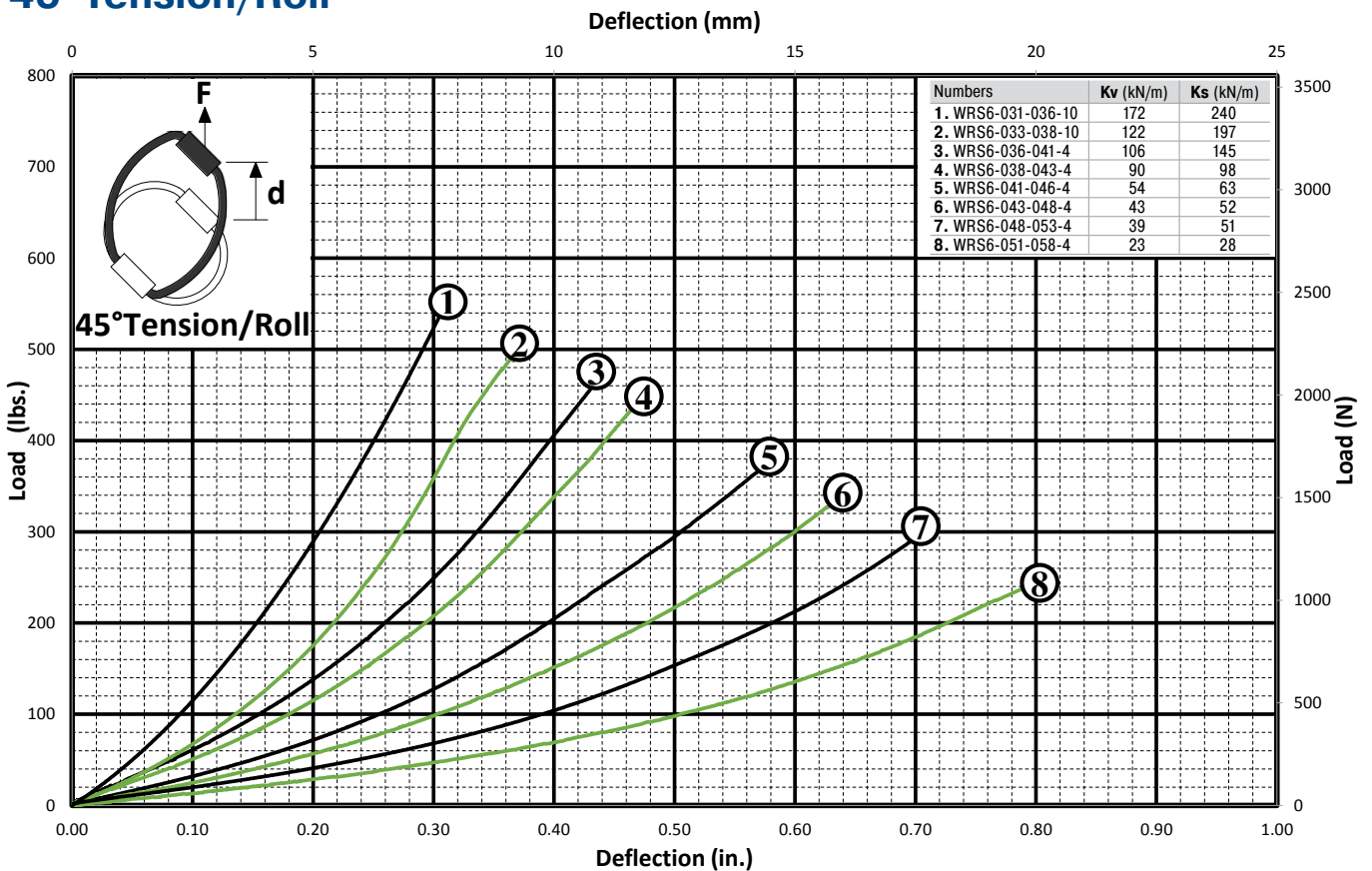
Roll



45° Compression/Roll



45° Tension/Roll



WRS8

Helical Isolator Short

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: $C/cc \approx 0.15$ to 0.20

Operating temperature range

-130°C to +260°C

Material

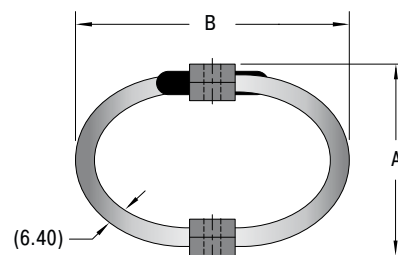
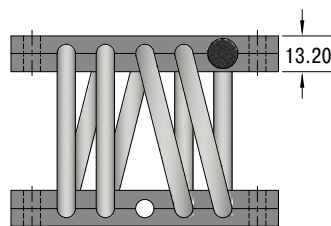
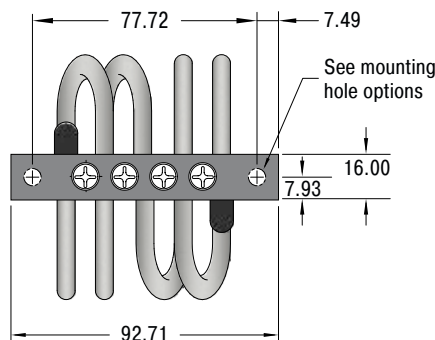
Cable: 300 Series SS per MIL-W-83420 or RR-W-410
Screws: 300 Series SS passivated
IAW ASTM A967
Inserts: 300 Series SS (alum bars only)
Retainer bars: Standard: 6061-T6 Alum alloy/
Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

Mounting hole tolerances: ± 0.25 mm
Add 0.10 kg to Isolator weight for all stainless
steel versions

On request

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



Performance

TYPERN	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	
WRS8-048-056-4	48.4	55.9	111	84	17.8	34	38	17.8	0.159
WRS8-054-064-4	54.1	63.5	82	60	22.9	34	28	22.9	0.173
WRS8-059-071-4	58.7	71.1	58	39	27.9	21	19	27.9	0.179
WRS8-062-080-4	62.2	79.5	39	27	31.8	15	14	31.8	0.194
WRS8-065-089-4	64.8	88.9	25	18	34.3	11	9.6	34.3	0.213
WRS8-066-095-4	66.0	95.3	25	18	35.6	8.9	8.8	35.6	0.221
WRS8-069-100-4	68.6	100.3	19	12	38.1	7.4	6.8	38.1	0.227
WRS8-083-108-4	82.6	108.0	14	8.6	52.1	5.1	4.7	52.1	0.247

Ordering Example

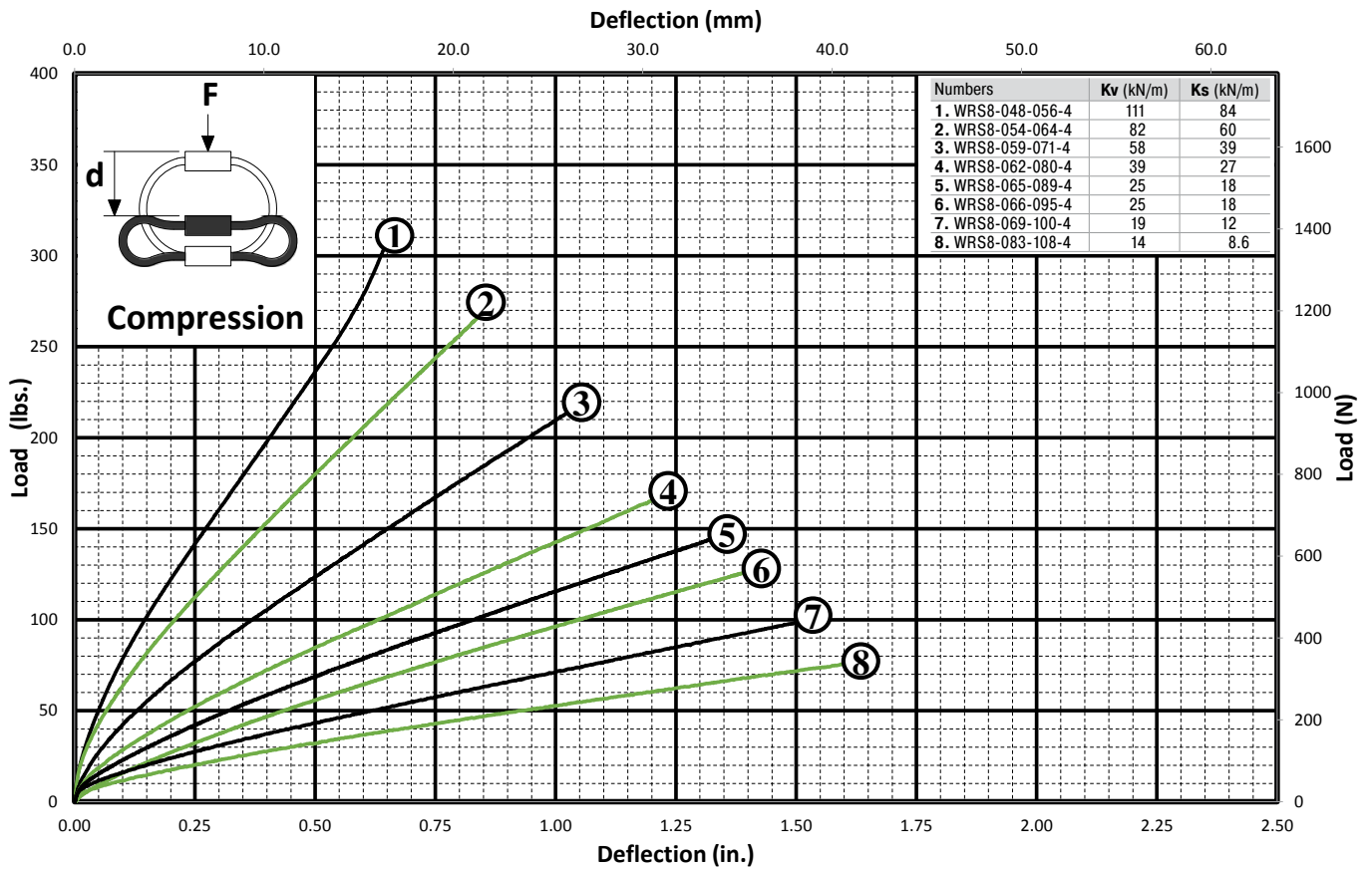
WRS8-048-056-4-A

Type _____
Model size height _____
Model size wide _____
Number of loops _____
Mounting hole _____

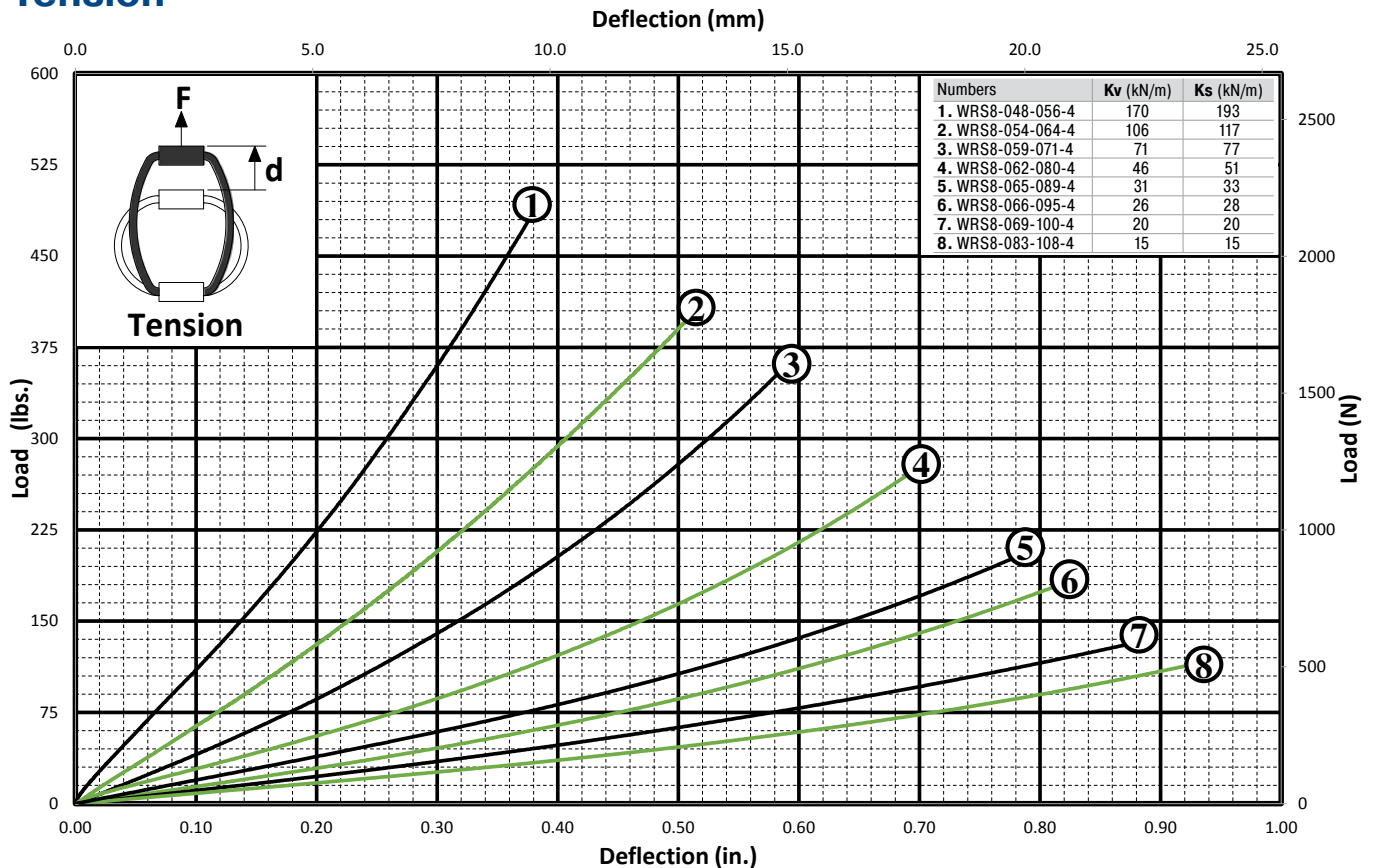
Mounting Hole Options

A	D
B	E
C	F

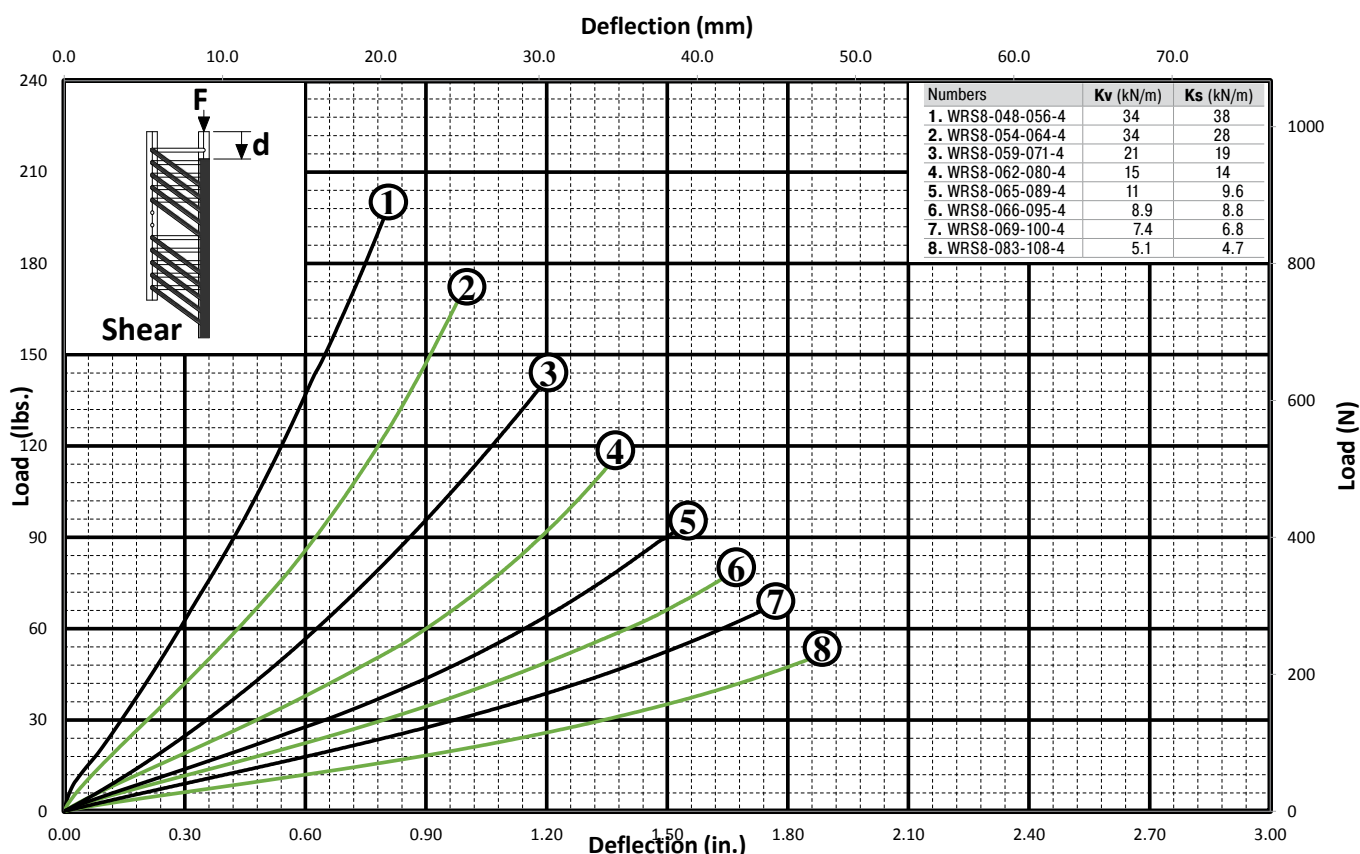
Compression



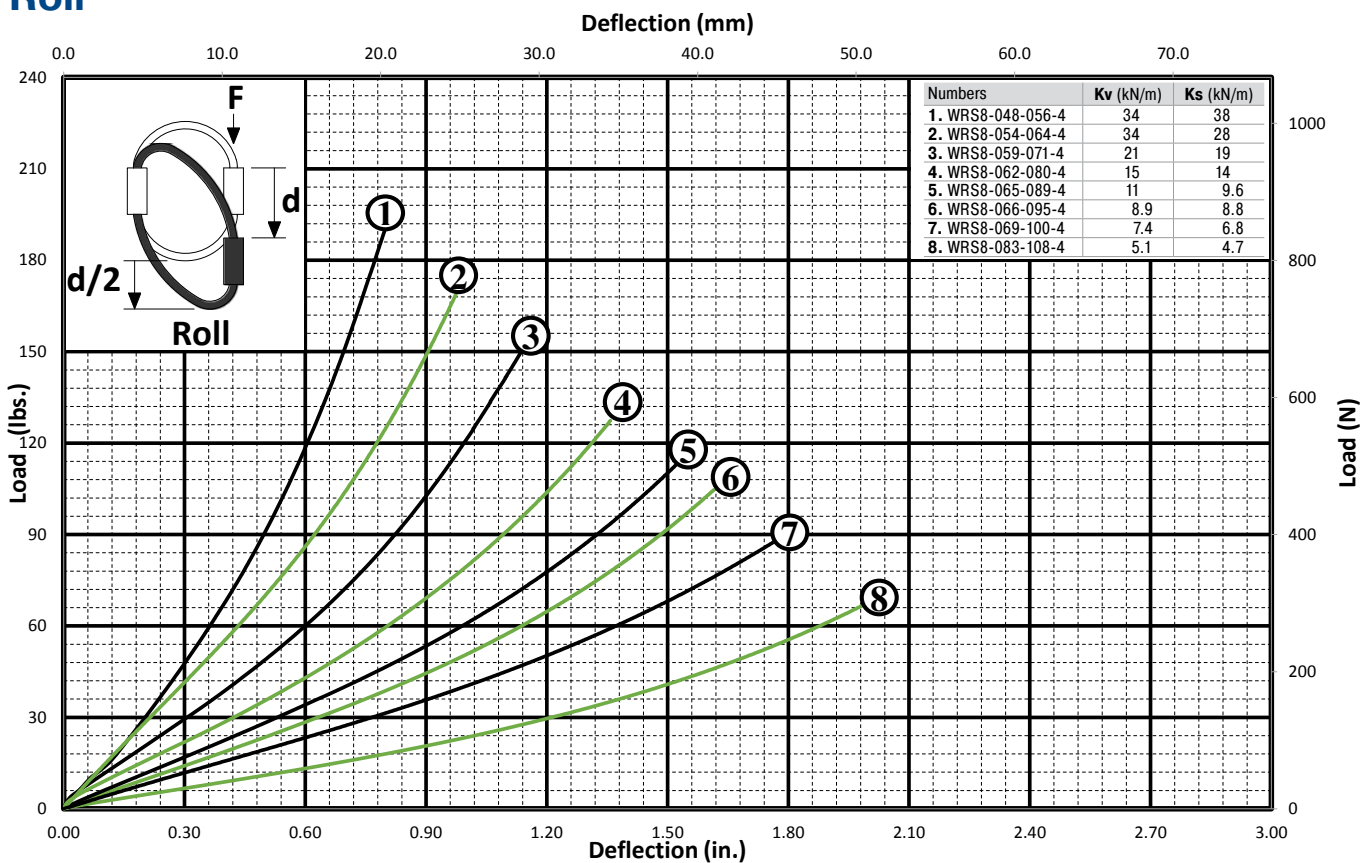
Tension



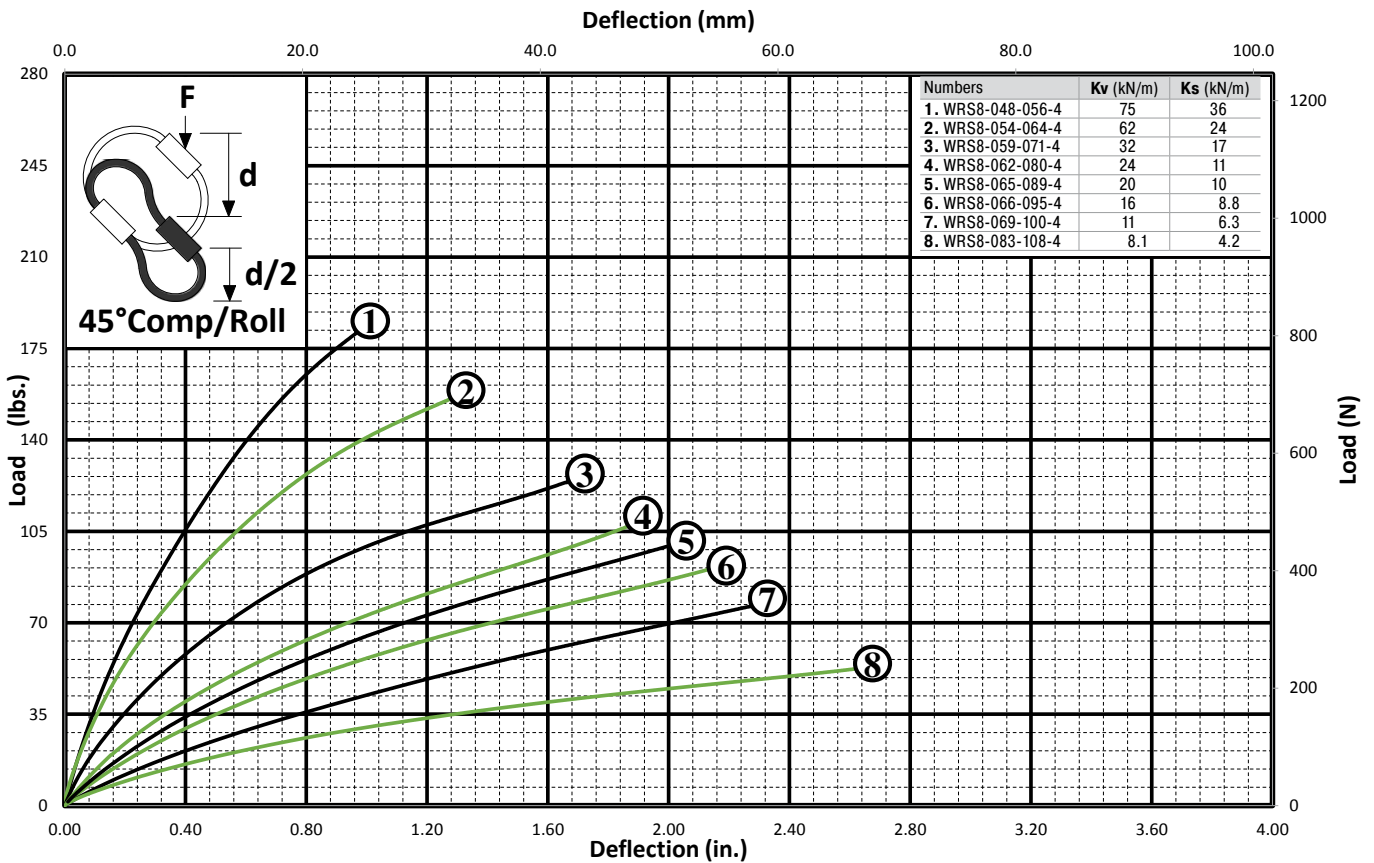
Shear



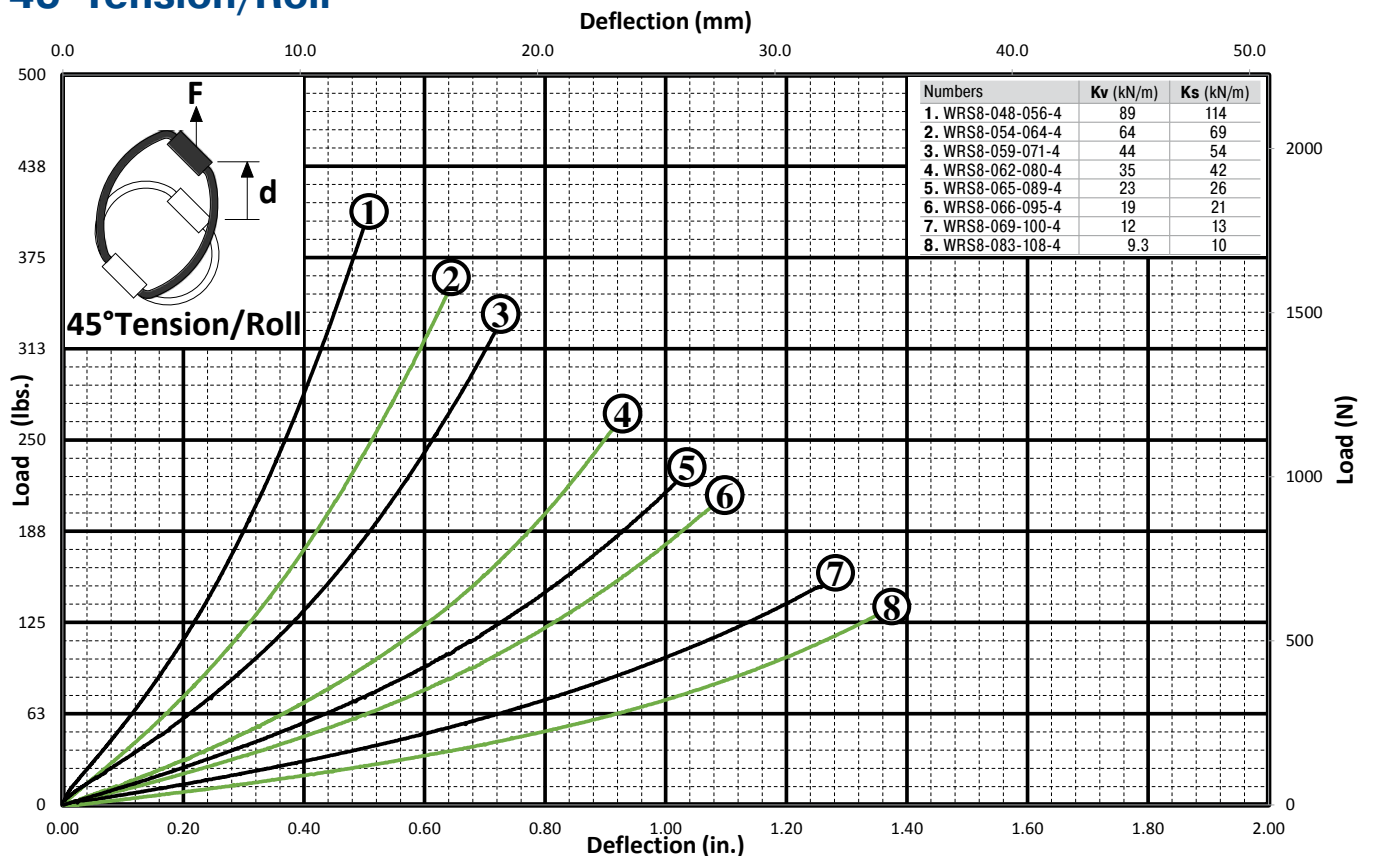
Roll



45° Compression/Roll



45° Tension/Roll



WRS12

Helical Isolator Short

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 $\approx$ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

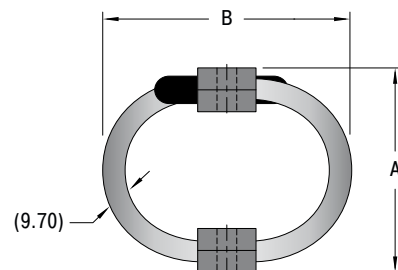
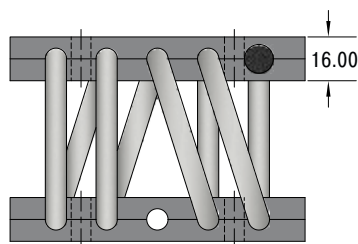
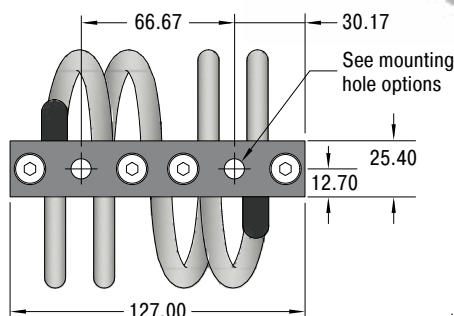
Cable: 300 Series SS per MIL-W-83420 or RR-W-410
Screws: 300 Series SS passivated IAW ASTM A967
Inserts: 300 Series SS (alum bars only)
Retainer bars: Standard: 6061-T6 Alum alloy/
Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

Mounting hole tolerances: ± 0.25 mm
Add 0.39 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	
WRS12-071-084-4	71.1	84.1	151	96	31.8	44	64	31.8	0.53
WRS12-074-089-4	73.7	88.9	132	82	34.3	39	46	34.3	0.54
WRS12-076-105-4	76.2	104.9	116	68	36.8	37	40	36.8	0.58
WRS12-083-108-4	82.6	108.0	94	55	43.2	37	35	43.2	0.60
WRS12-089-108-4	88.9	108.0	89	49	49.5	29	31	49.5	0.62
WRS12-105-121-4	104.9	120.7	57	32	66.0	13	22	66.0	0.68
WRS12-108-140-4	108.0	139.7	42	22	68.6	12	14	68.6	0.74

Ordering Example

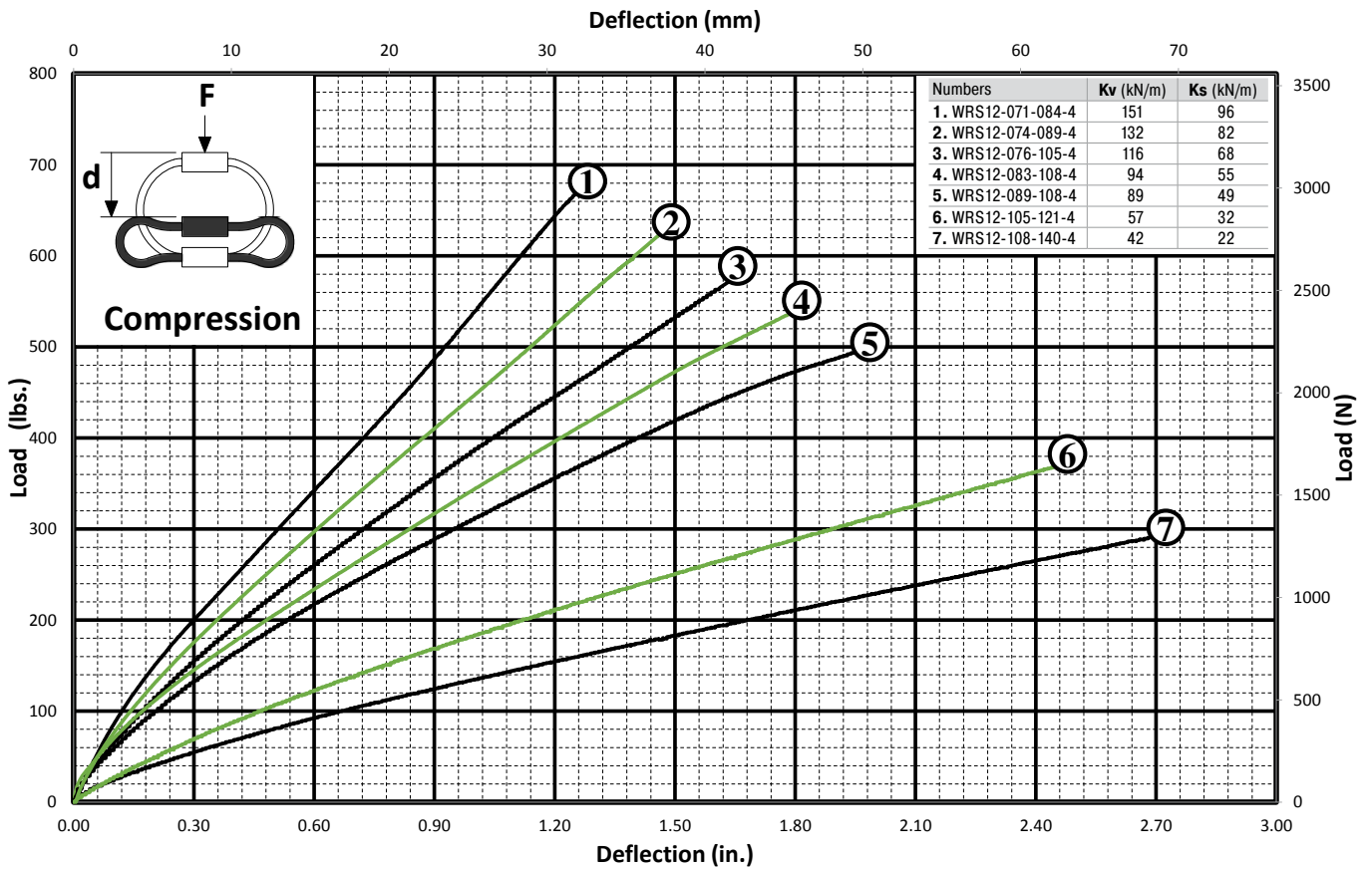
WRS12-071-084-4-A

Type _____
Model size height _____
Model size wide _____
Number of loops _____
Mounting hole _____

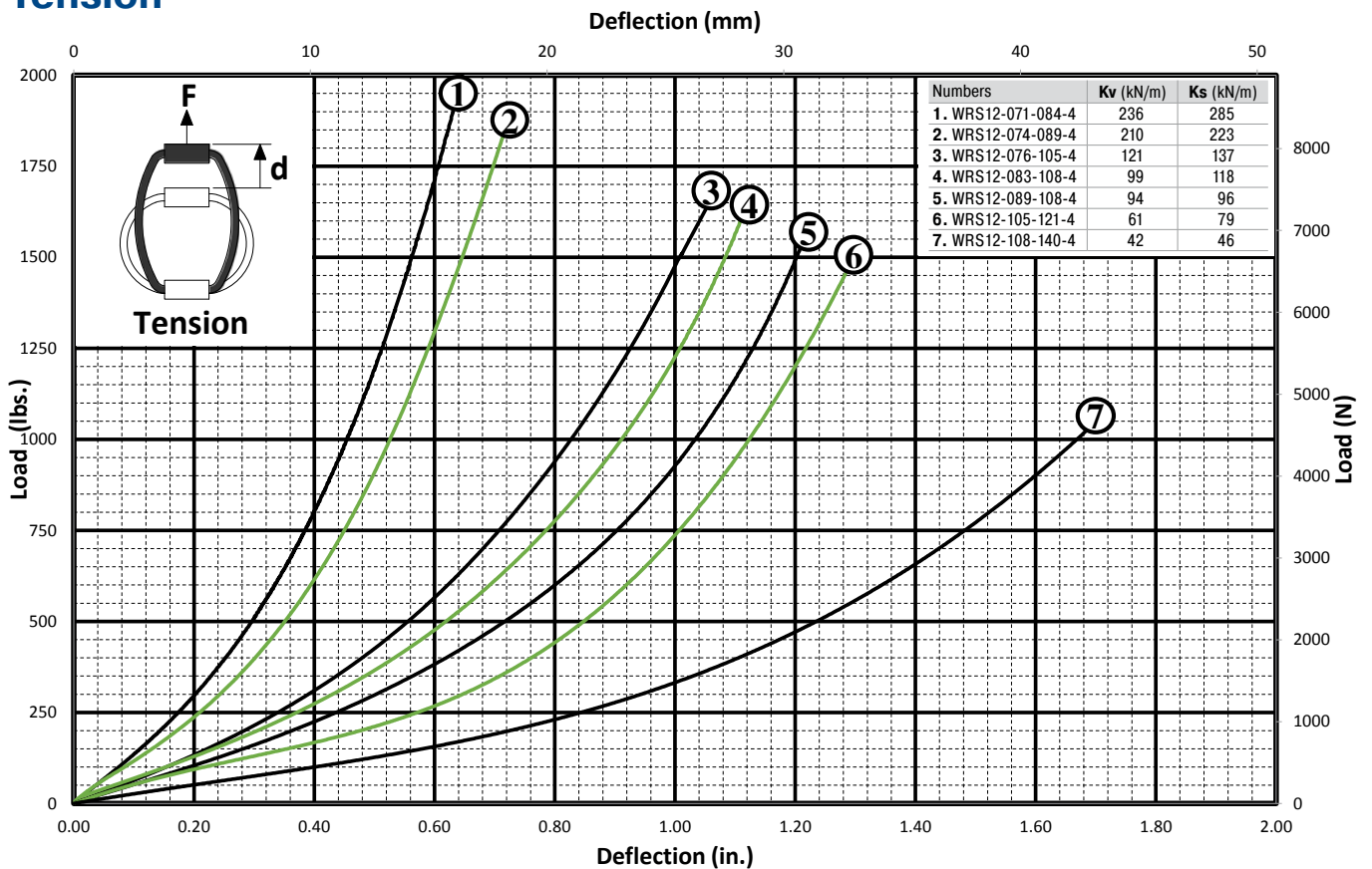
Mounting Hole Options

A	D
B	E
C	F

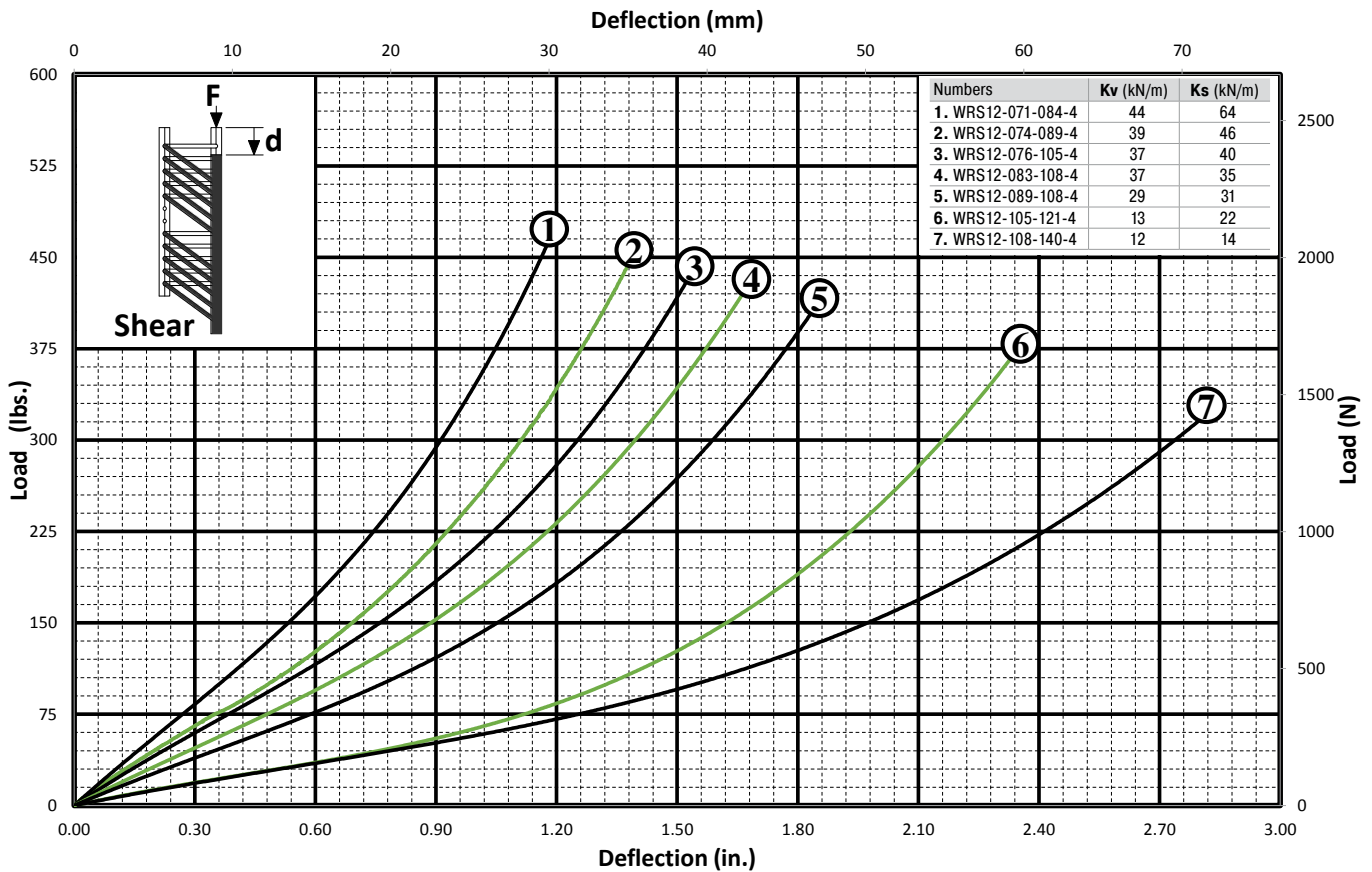
Compression



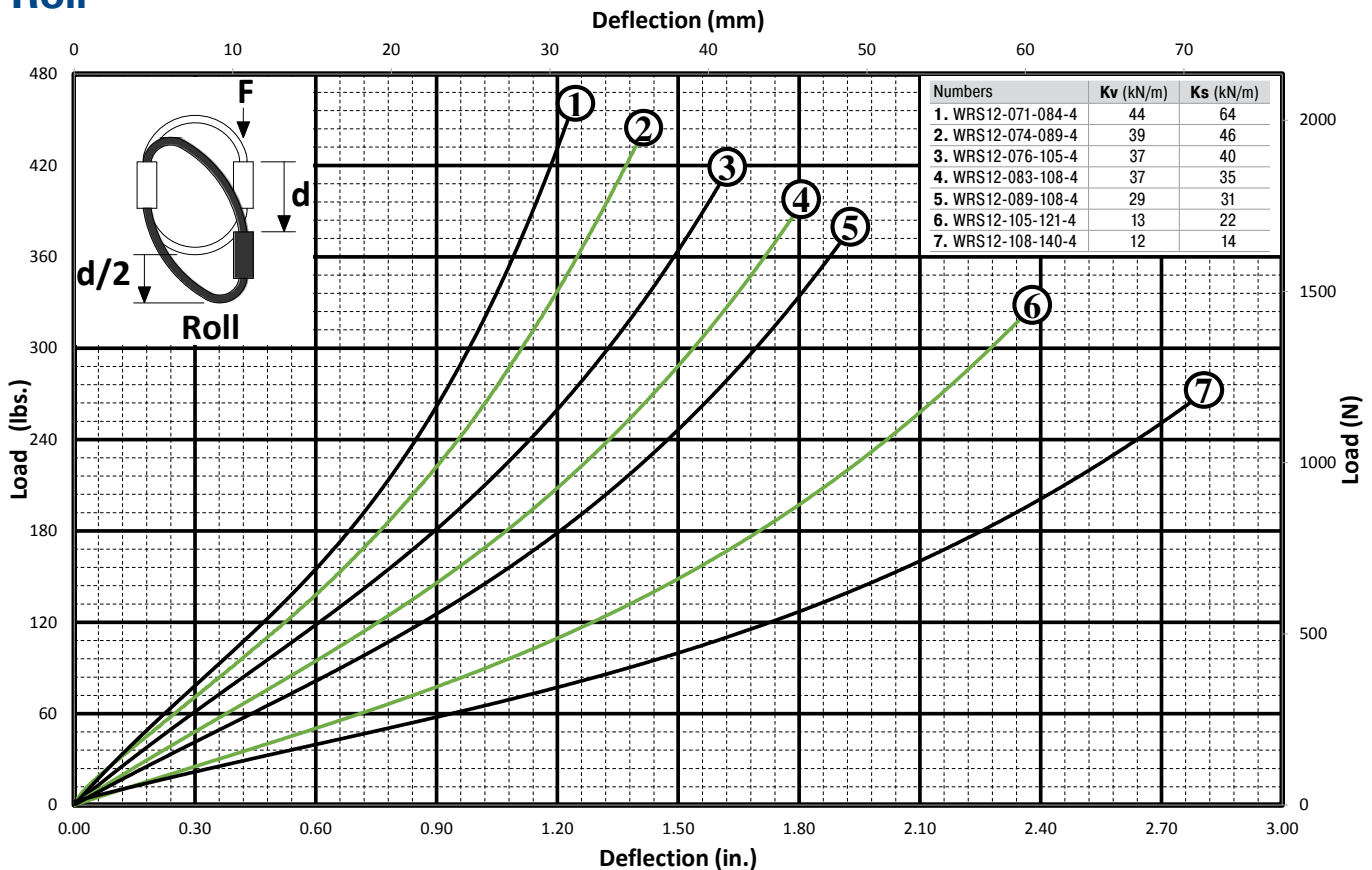
Tension



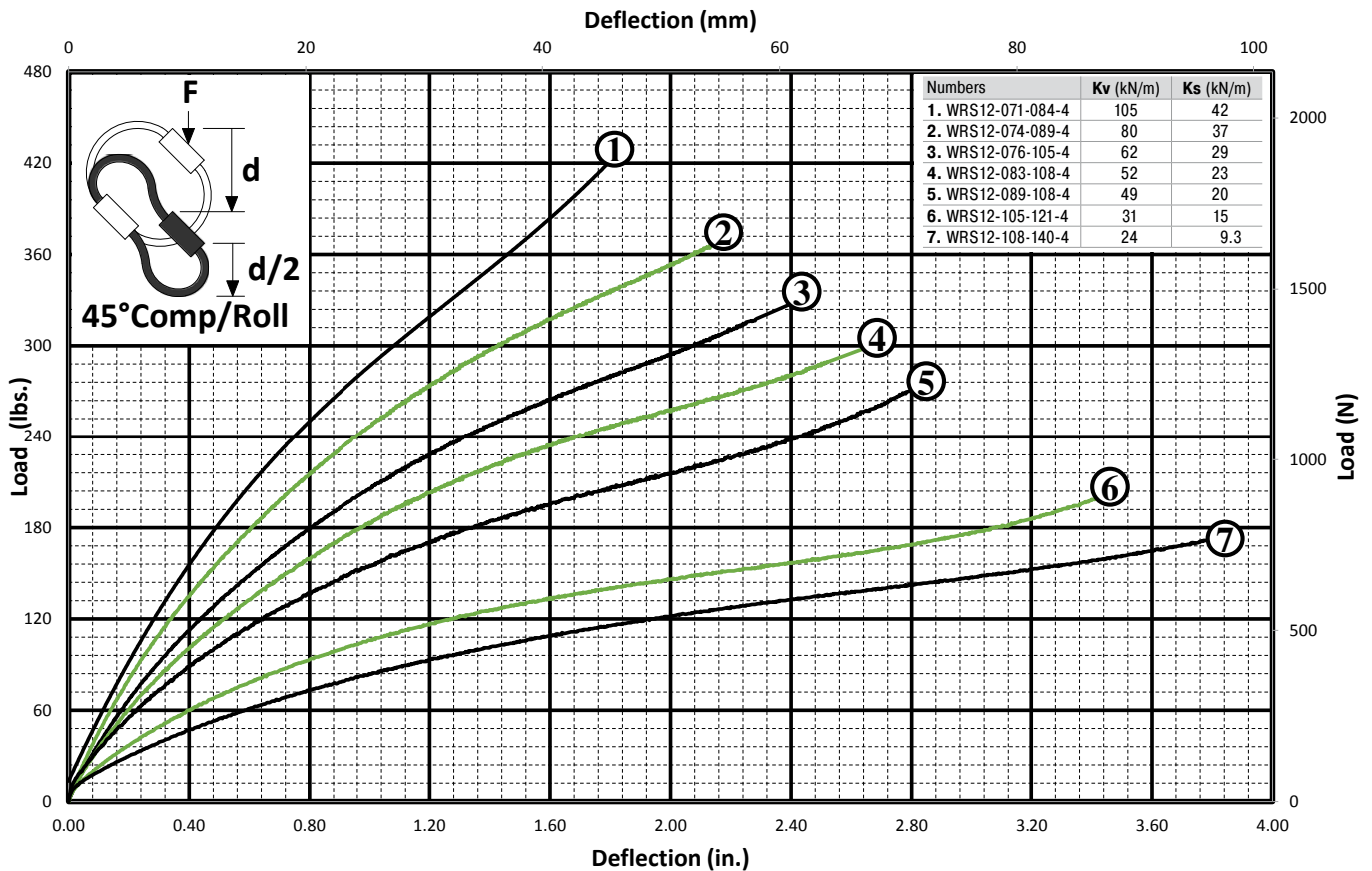
Shear



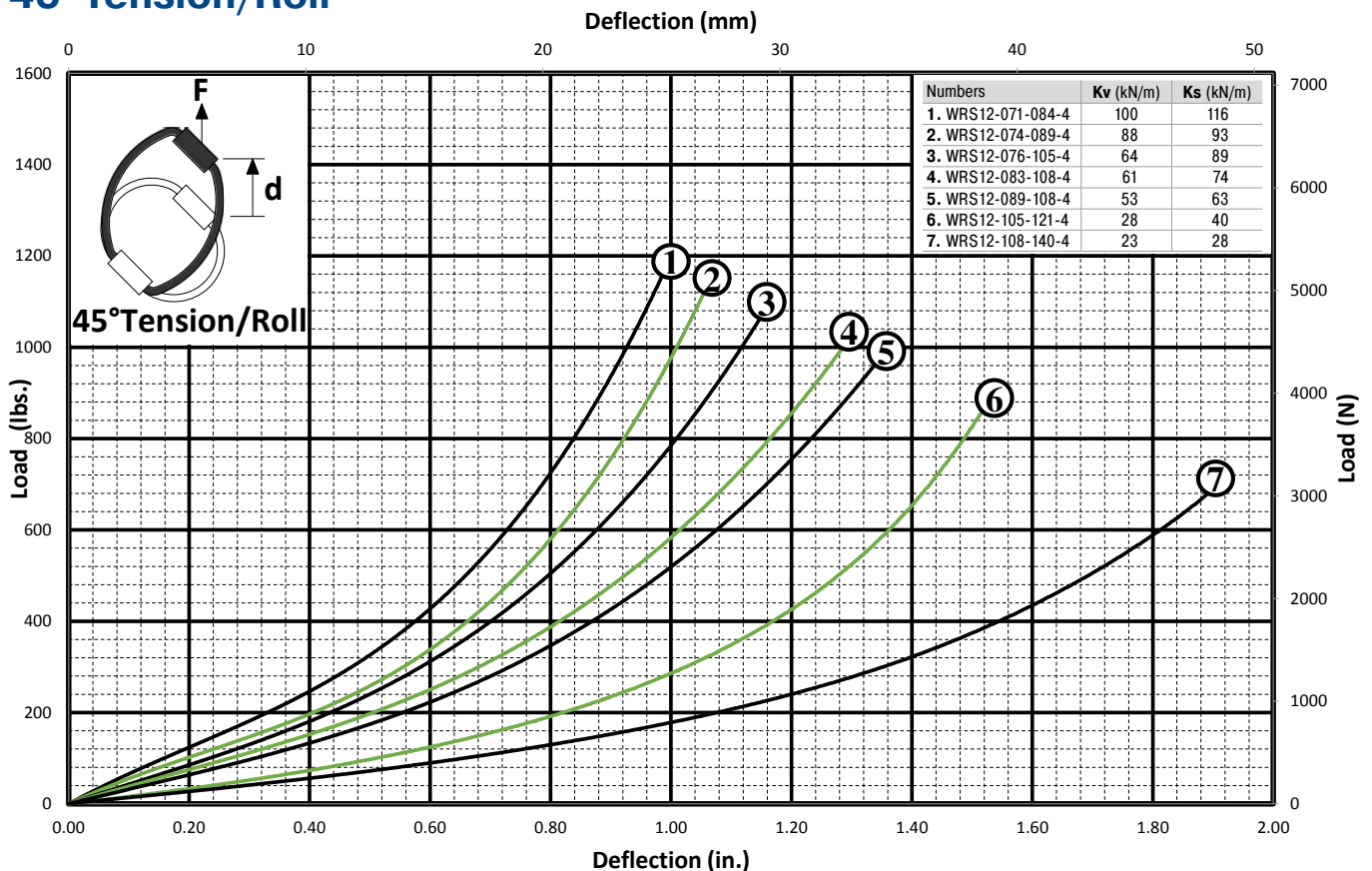
Roll



45° Compression/Roll



45° Tension/Roll



WRS16

Helical Isolator Short

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 $\approx$ 0.15 to 0.20

Operating temperature range

-130°C to +260°C

Material

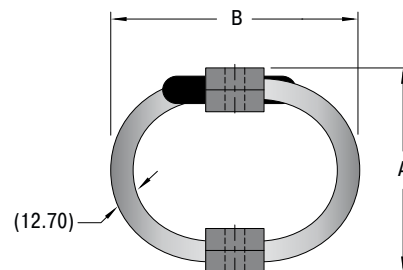
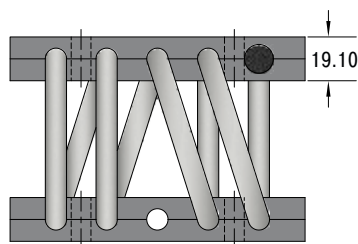
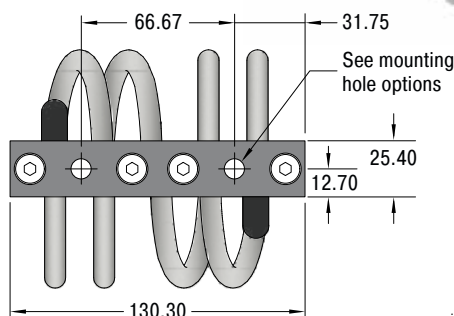
Cable: 300 Series SS per MIL-W-83420 or RR-W-410
Screws: 300 Series SS passivated
IAW ASTM A967
Inserts: 300 Series SS (alum bars only)
Retainer bars: Standard: 6061-T6 Alum alloy/
Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

Mounting hole tolerances: ± 0.25 mm
Add 0.41 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	
WRS16-083-102-4	82.6	101.9	218	147	35.6	113	86	35.6	0.84
WRS16-089-105-4	88.9	104.9	206	131	41.9	63	72	41.9	0.85
WRS16-095-121-4	95.3	120.7	154	91	48.3	46	52	48.3	0.93
WRS16-108-133-4	108.0	133.4	95	58	61.0	29	34	61.0	1.04
WRS16-125-144-4	124.5	143.5	68	40	77.5	22	25	77.5	1.14
WRS16-137-158-4	137.2	157.7	48	30	90.2	15	21	90.2	1.23
WRS16-155-180-4	154.9	180.3	35	19	108.0	8.2	13	108.0	1.40

Ordering Example

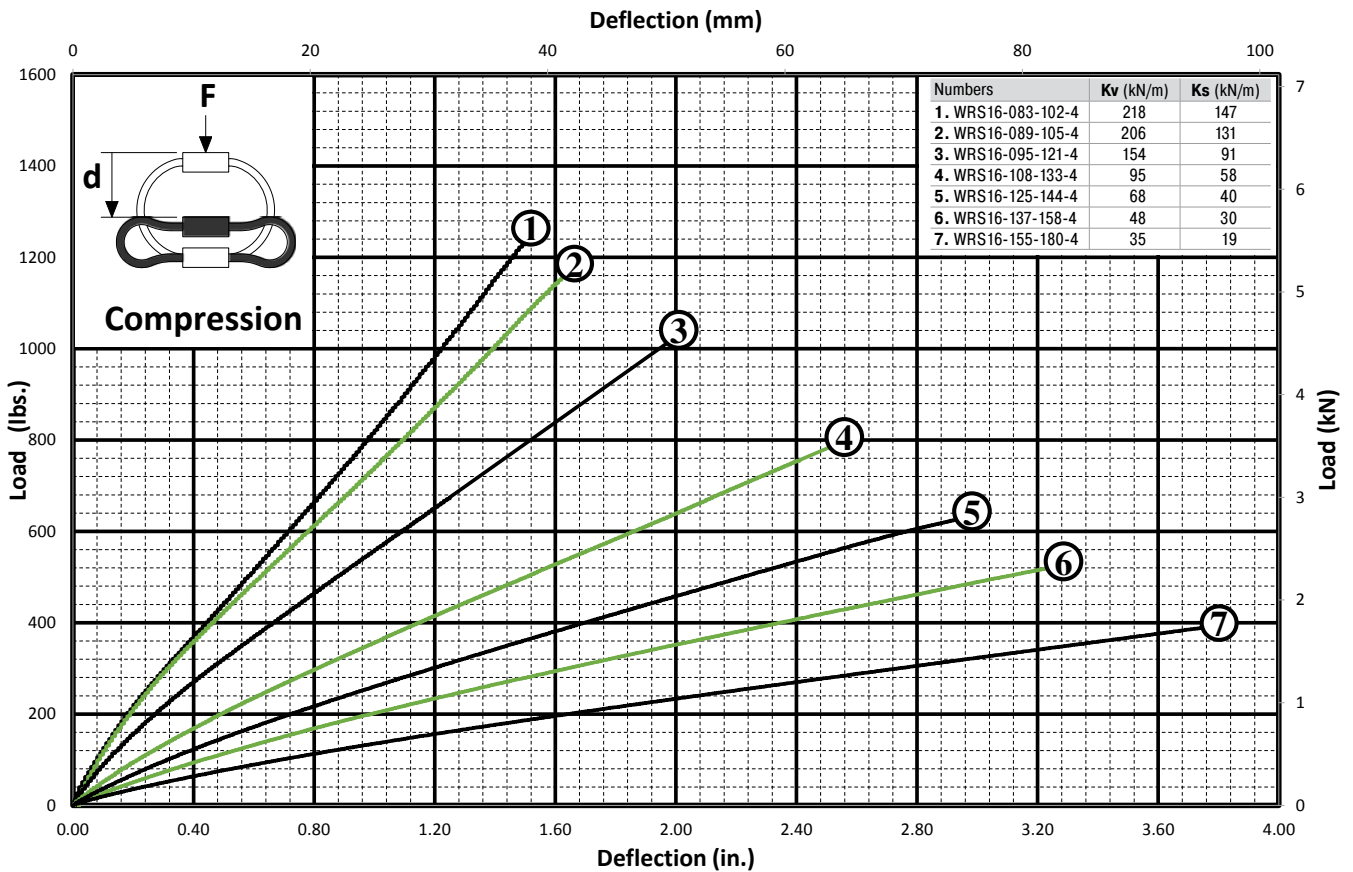
WRS16-083-102-4-A

Type _____
Model size height _____
Model size wide _____
Number of loops _____
Mounting hole _____

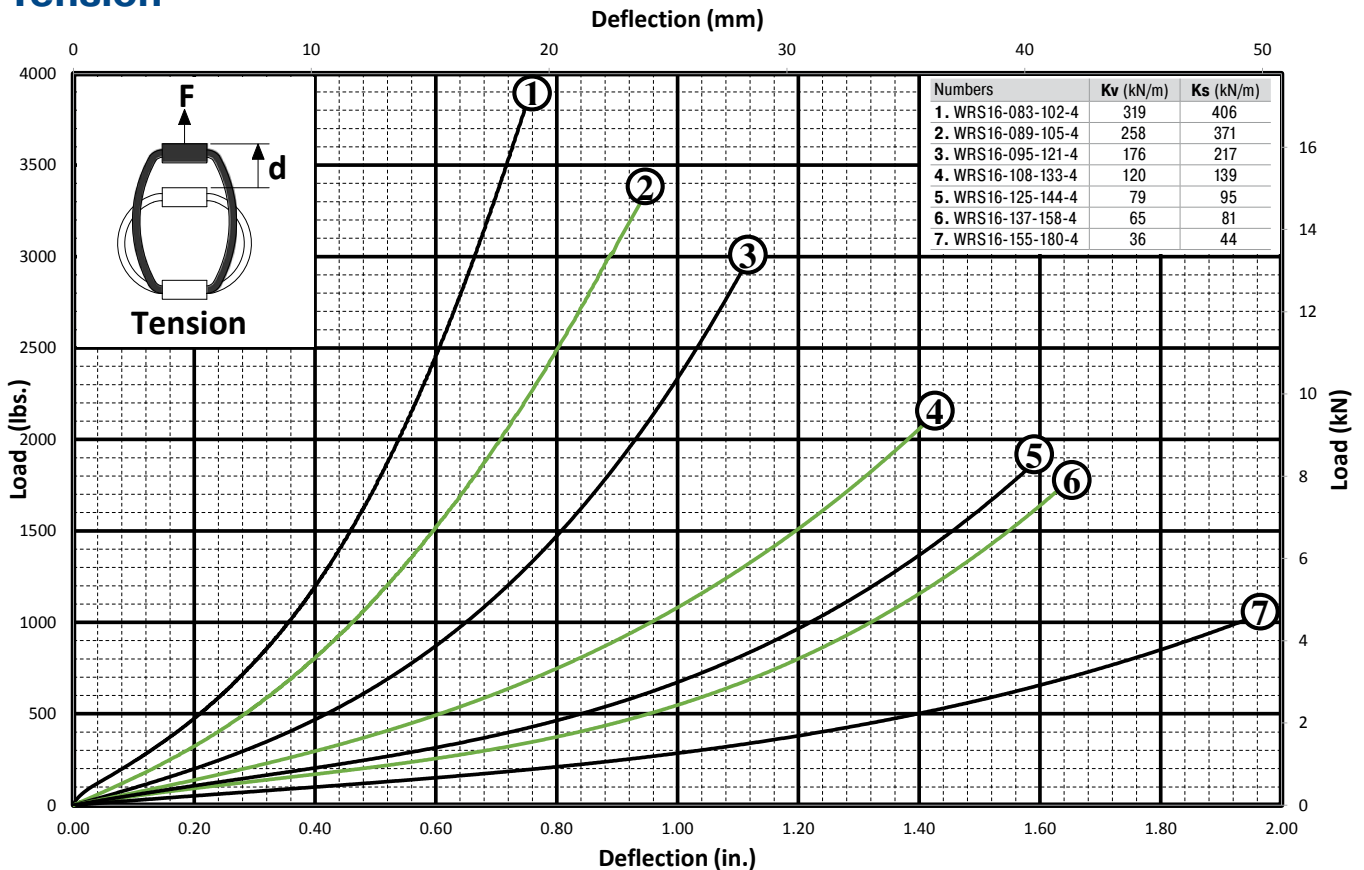
Mounting Hole Options

A	D
B	E
C	F

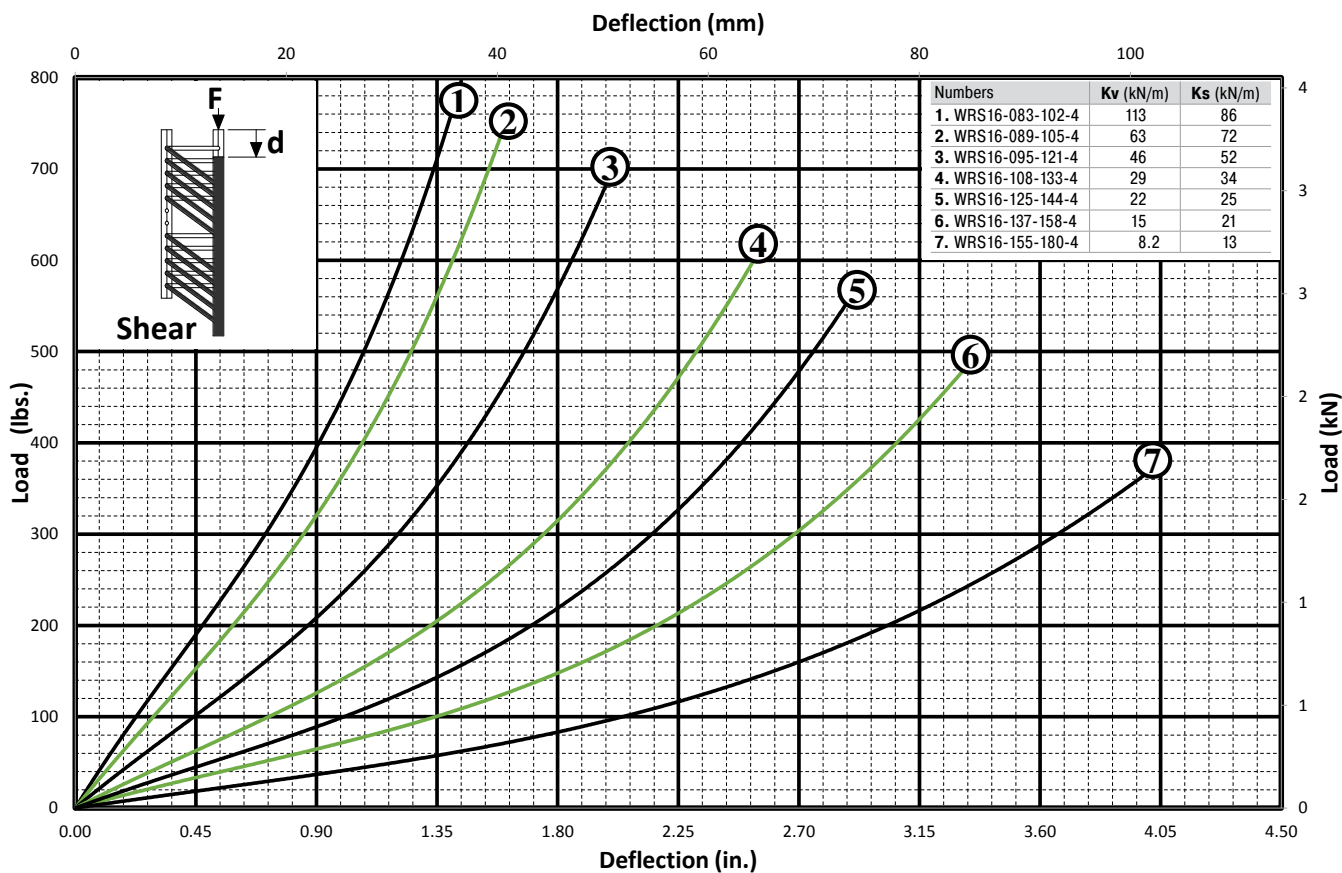
Compression



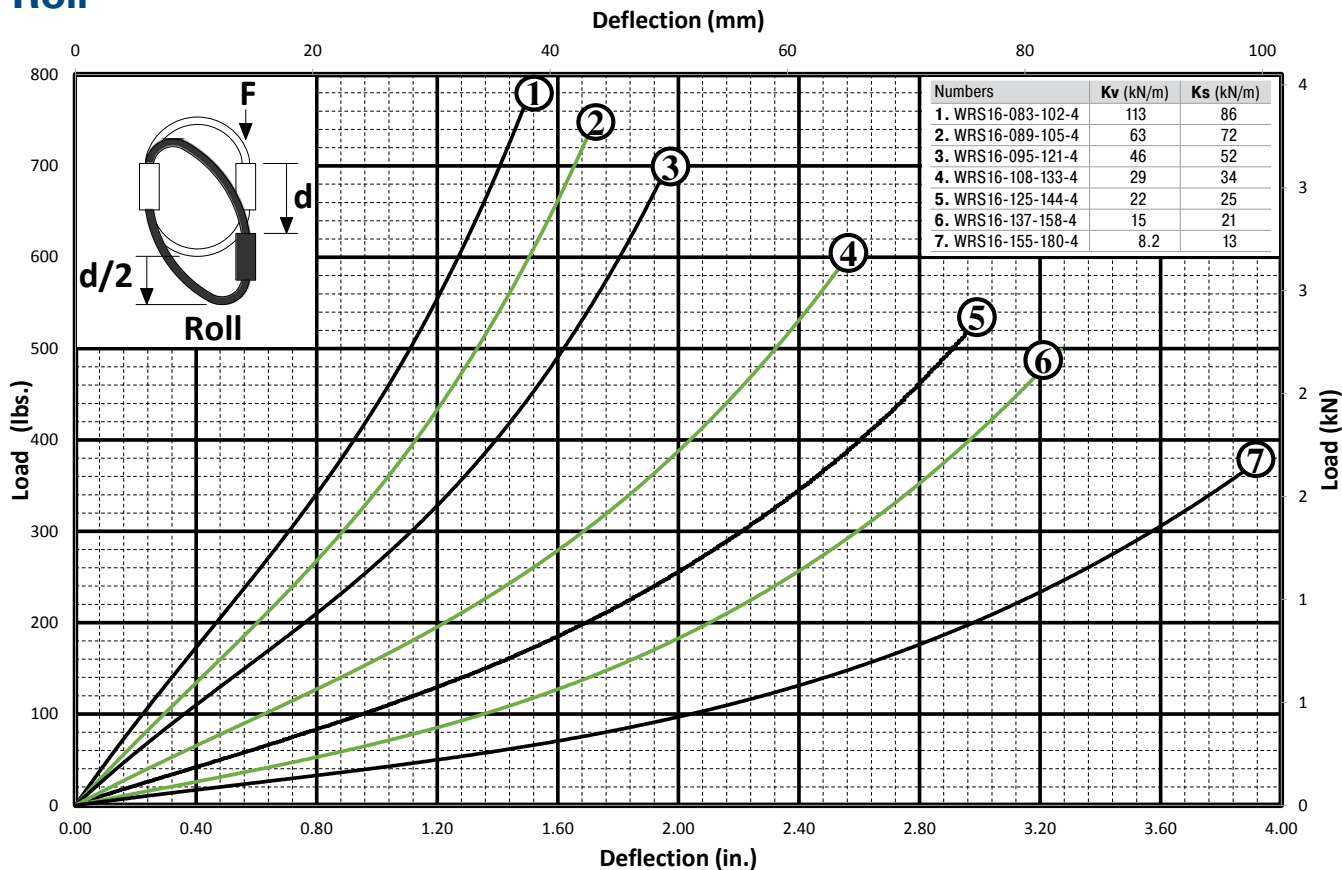
Tension



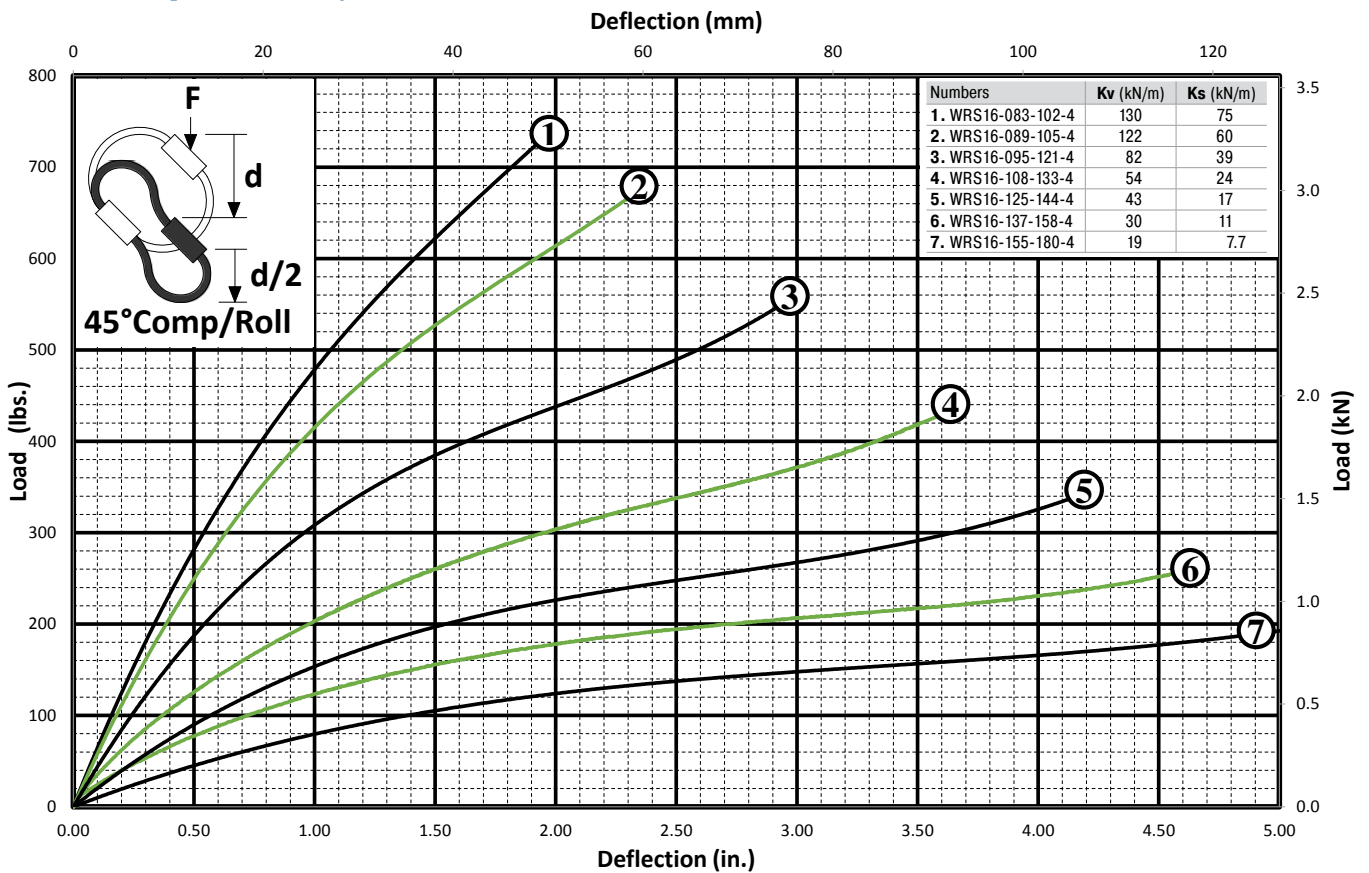
Shear



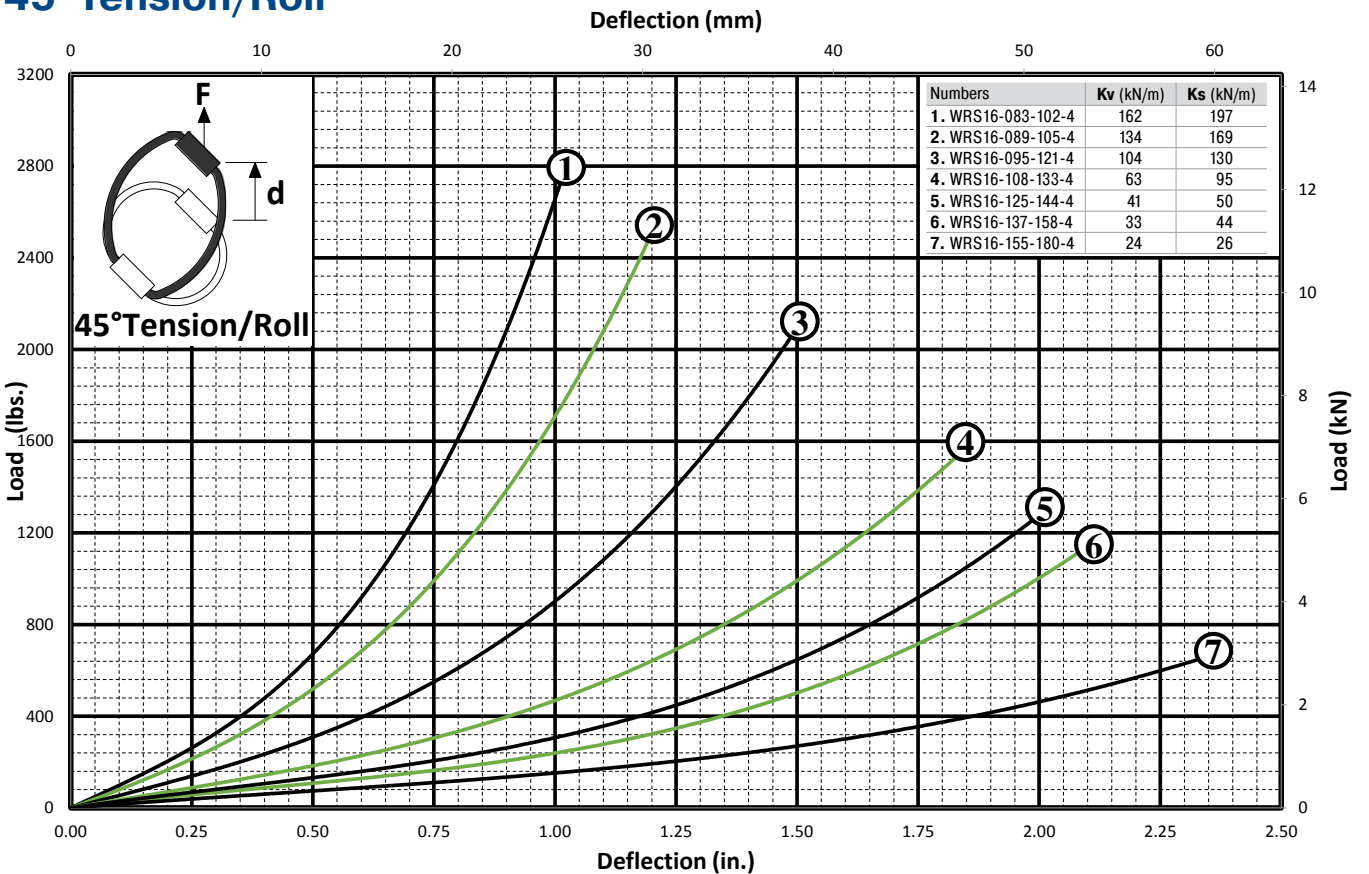
Roll



45° Compression/Roll



45° Tension/Roll



WRS20

Helical Isolator Short

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: $C/cc \approx 0.15$ to 0.20

Operating temperature range

-130°C to +260°C

Material

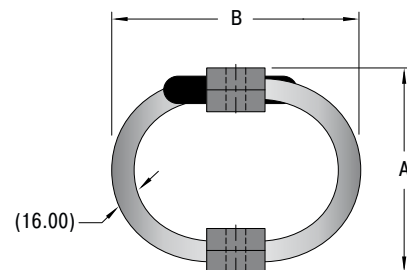
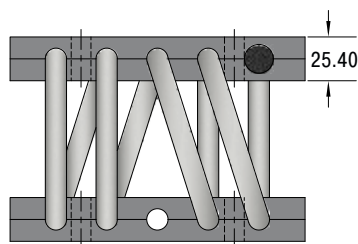
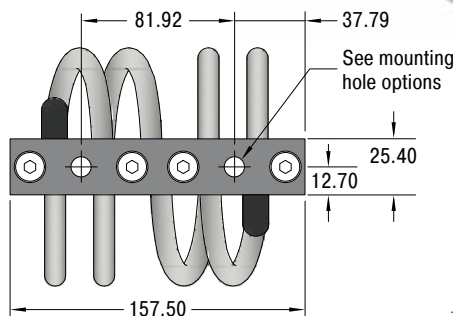
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ± 0.25 mm
- Add 0.61 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	
WRS20-089-102-4	88.9	101.6	614	306	30.5	189	154	30.5	1.44
WRS20-099-112-4	99.1	111.8	496	238	40.6	129	119	40.6	1.48
WRS20-109-135-4	109.2	134.6	393	154	50.8	84	79	50.8	1.59
WRS20-119-152-4	119.4	152.4	222	102	61.0	52	53	61.0	1.87
WRS20-127-165-4	127.0	165.1	178	80	68.6	49	43	68.6	1.98
WRS20-135-178-4	134.6	177.8	161	62	76.2	35	35	76.2	2.11
WRS20-152-197-4	152.4	196.8	131	43	94.0	22	24	94.0	2.32

Ordering Example

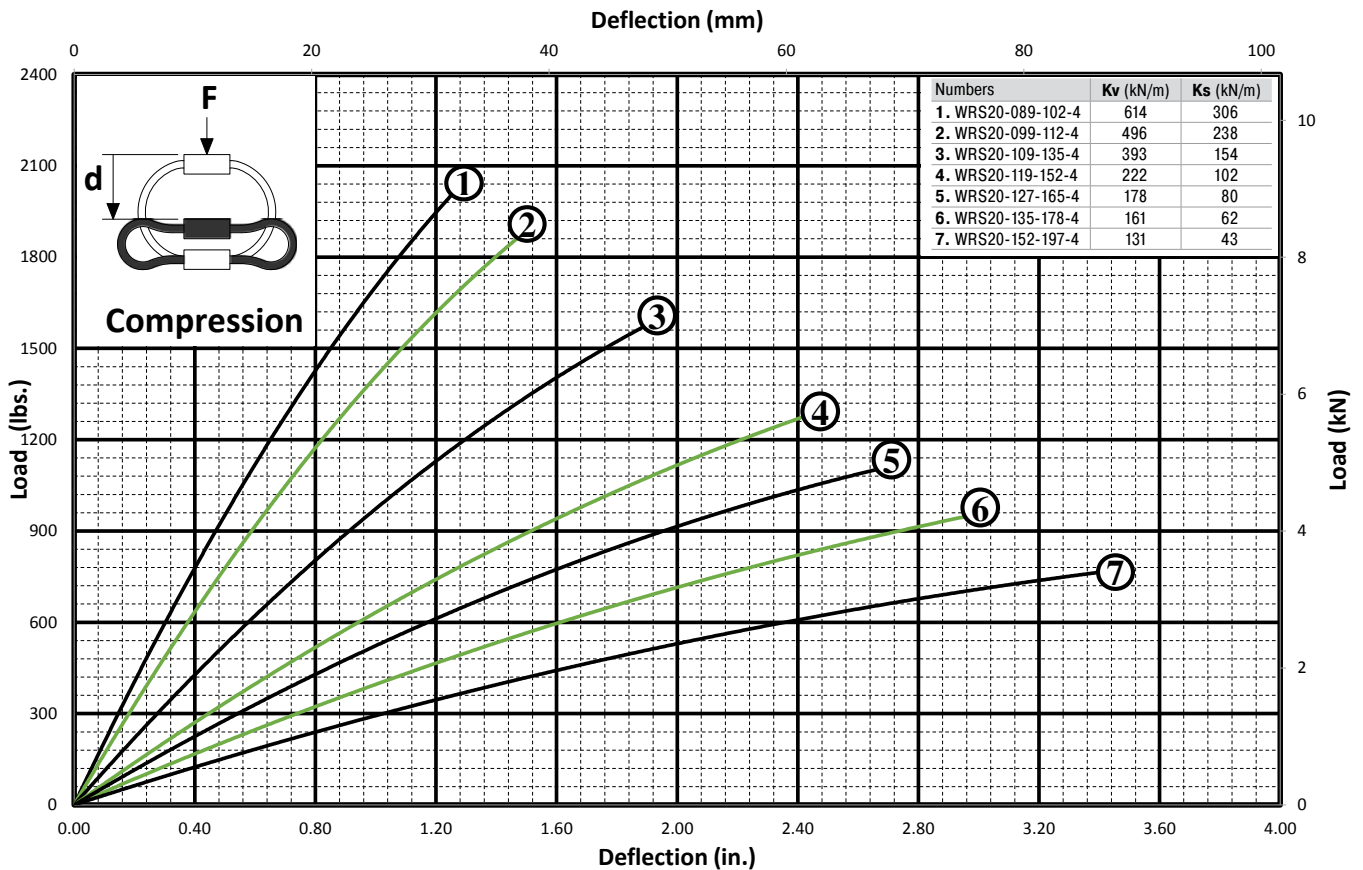
Type _____
 Model size height _____
 Model size wide _____
 Number of loops _____
 Mounting hole _____

WRS20-089-102-4-A

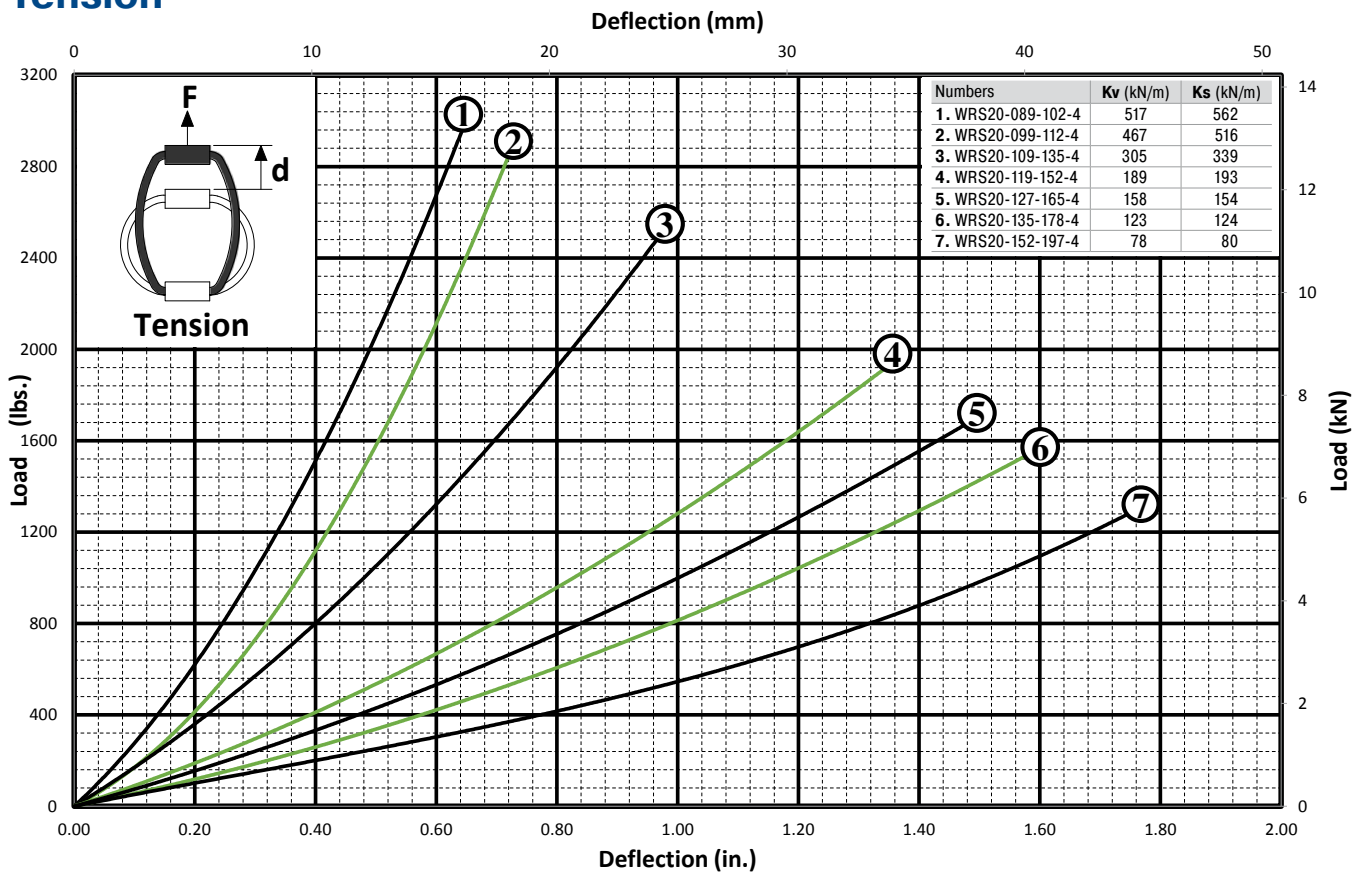
Mounting Hole Options

A	D
B	E
C	F

Compression

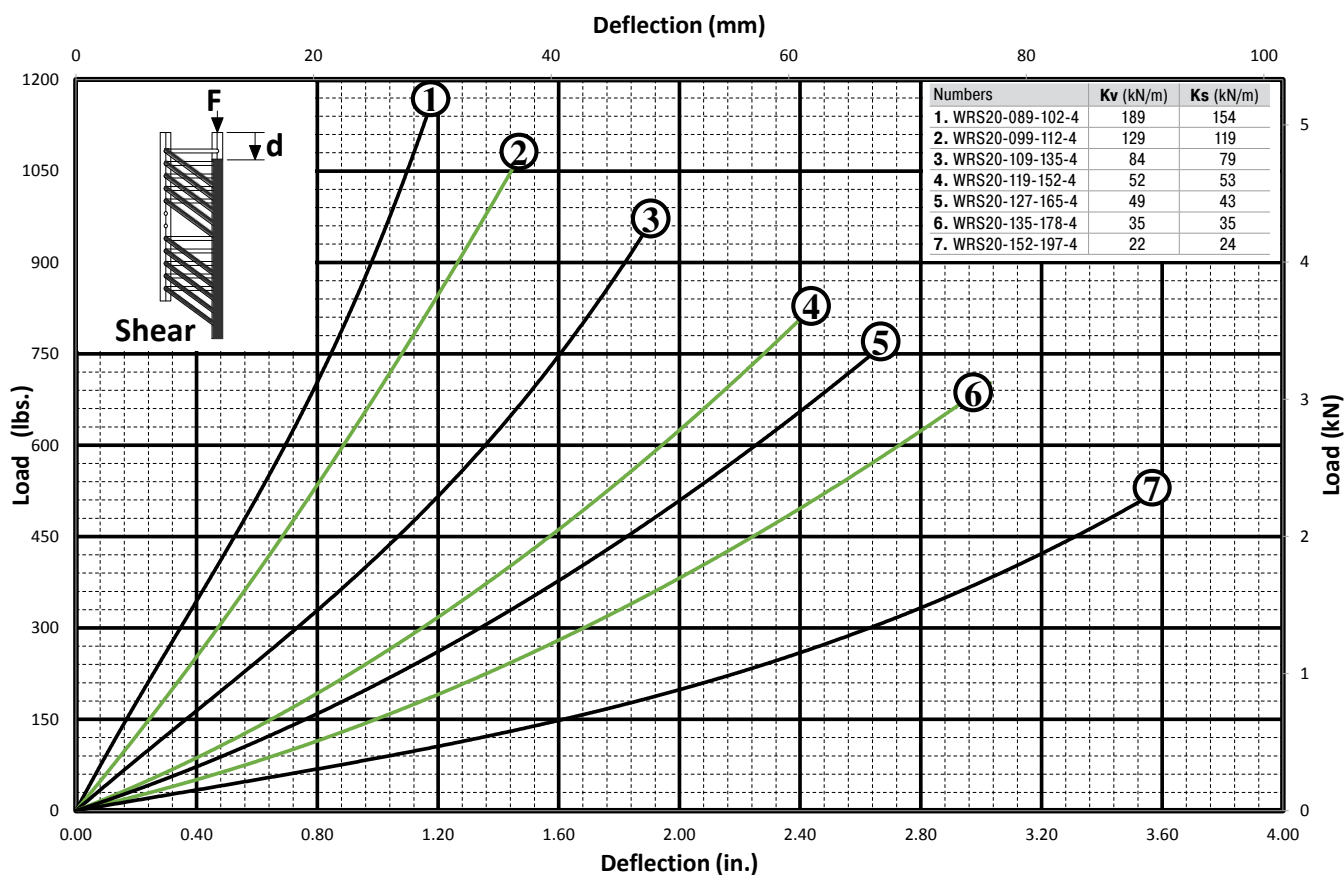


Tension

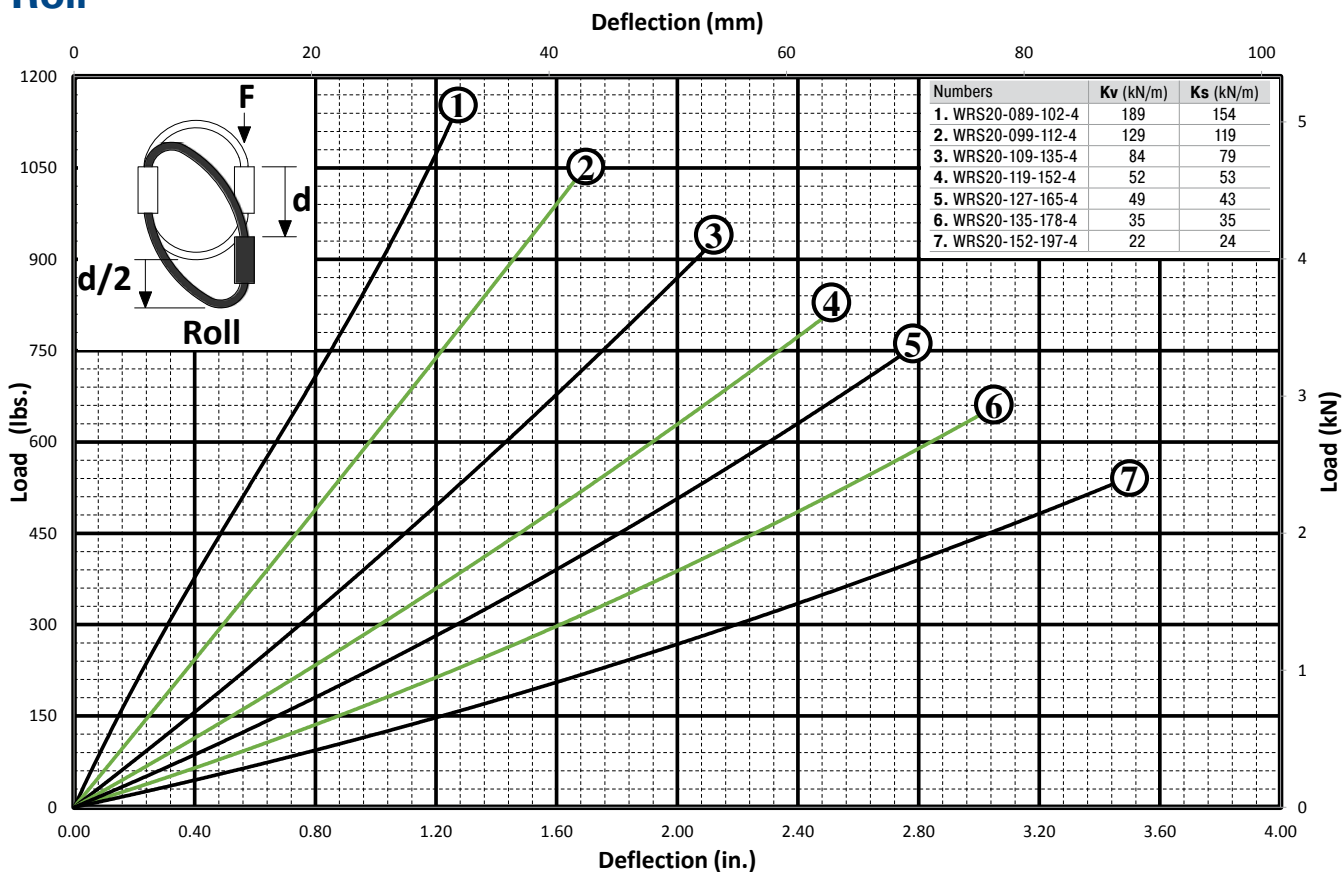


Helical Isolator Short, 15.88 mm (5/8") Diameter Cable

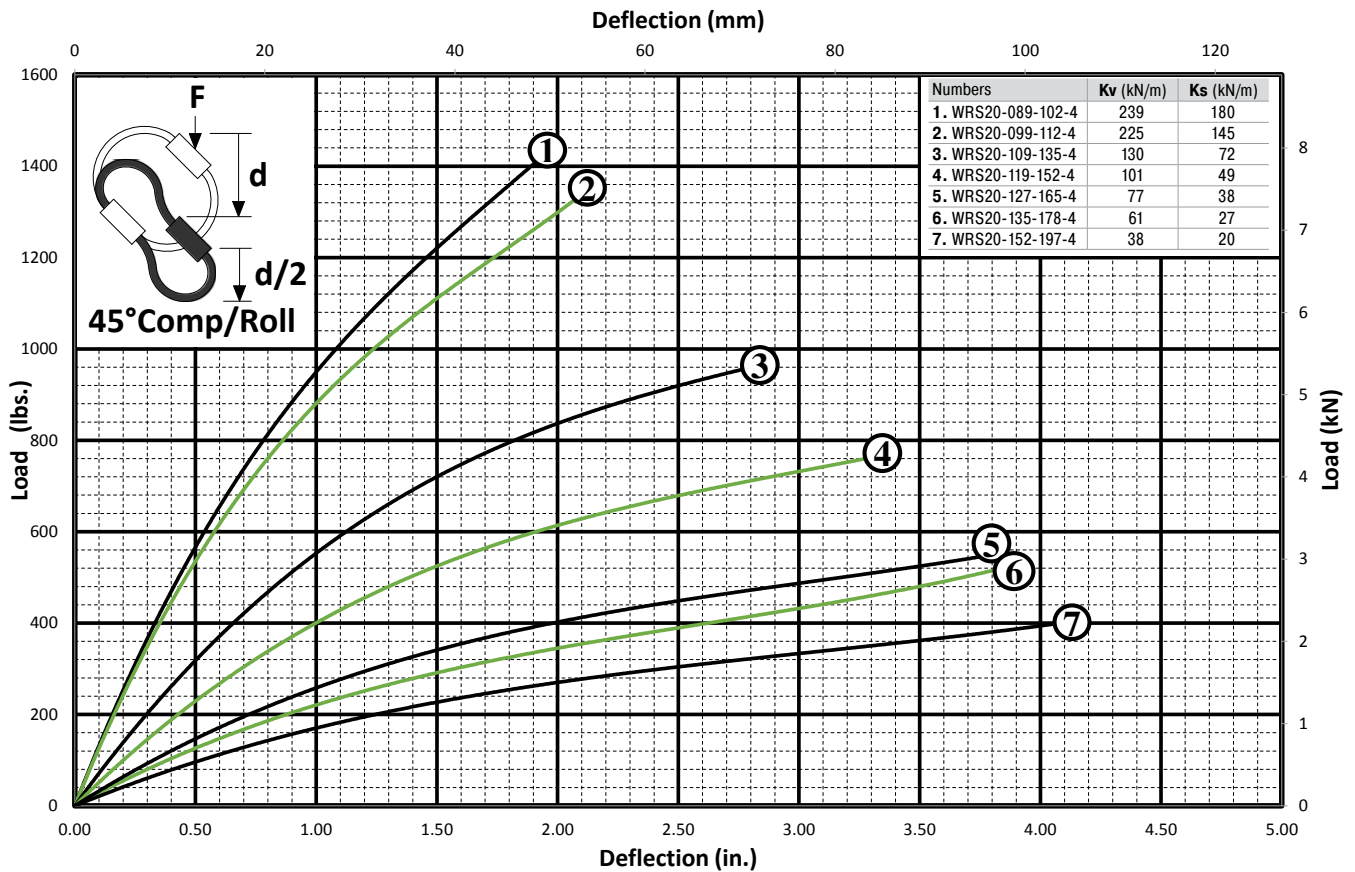
Shear



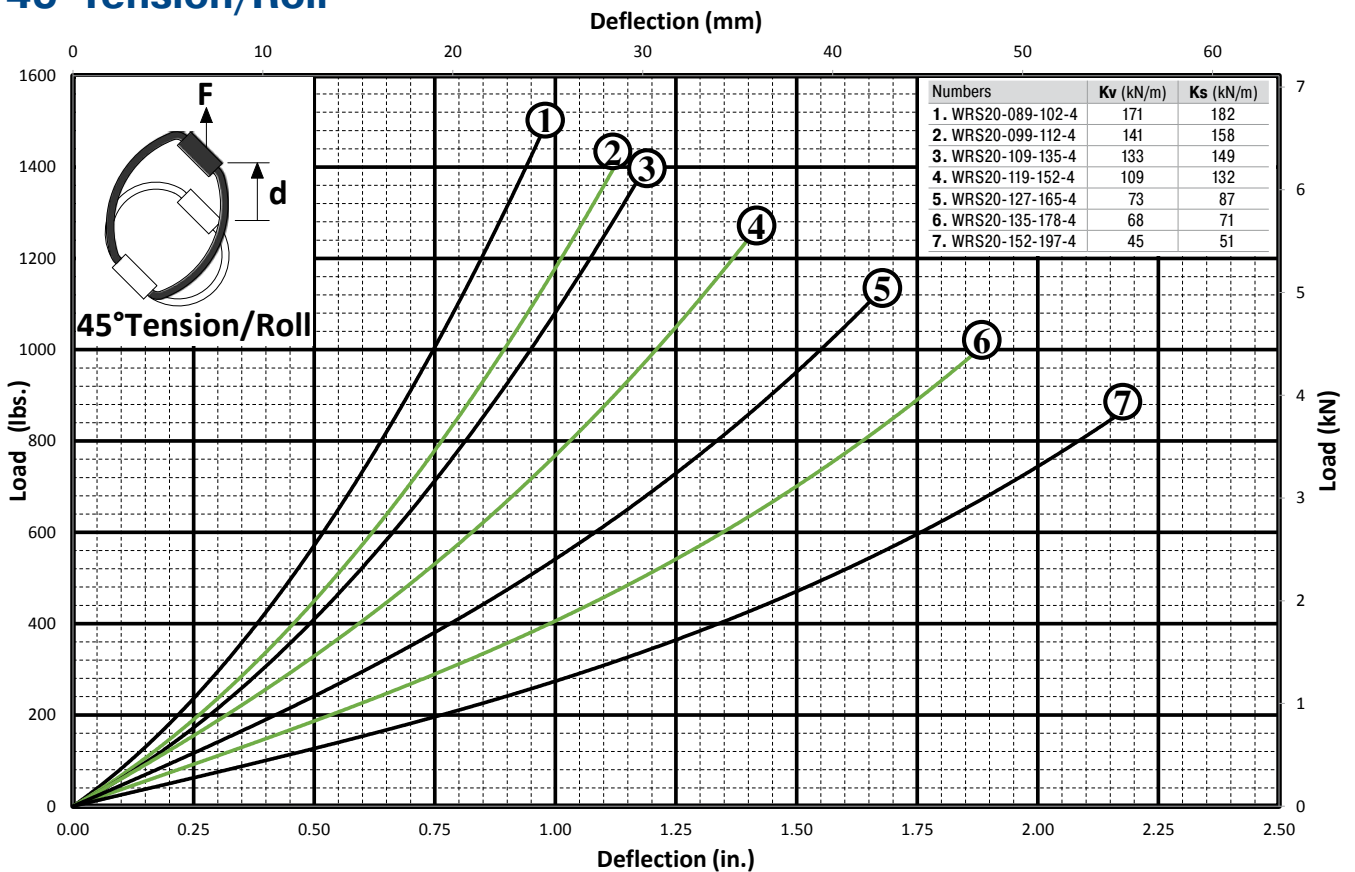
Roll



45° Compression/Roll



45° Tension/Roll



WRS24

Helical Isolator Short

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: $C/cc \approx 0.15$ to 0.20

Operating temperature range

-130°C to +260°C

Material

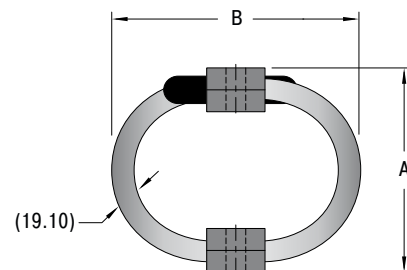
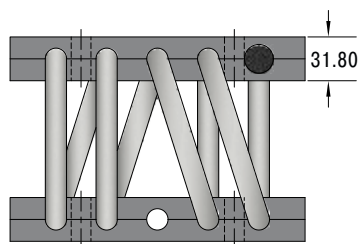
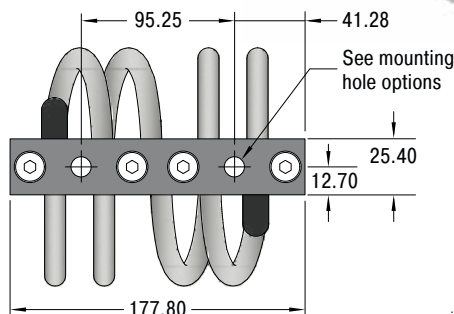
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ± 0.25 mm
- Add 0.92 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	
WRS24-102-108-4	101.6	108.0	549	334	30.5	210	221	30.5	2.38
WRS24-112-118-4	111.8	118.1	471	322	40.6	203	191	40.6	2.53
WRS24-122-140-4	121.9	139.7	404	226	50.8	153	128	50.8	2.72
WRS24-131-159-4	131.1	158.8	354	183	61.0	106	100	61.0	2.87
WRS24-140-172-4	139.7	171.5	294	155	68.6	89	94	68.6	2.97
WRS24-152-210-4	152.4	209.6	211	117	81.3	67	71	81.3	3.11

Ordering Example

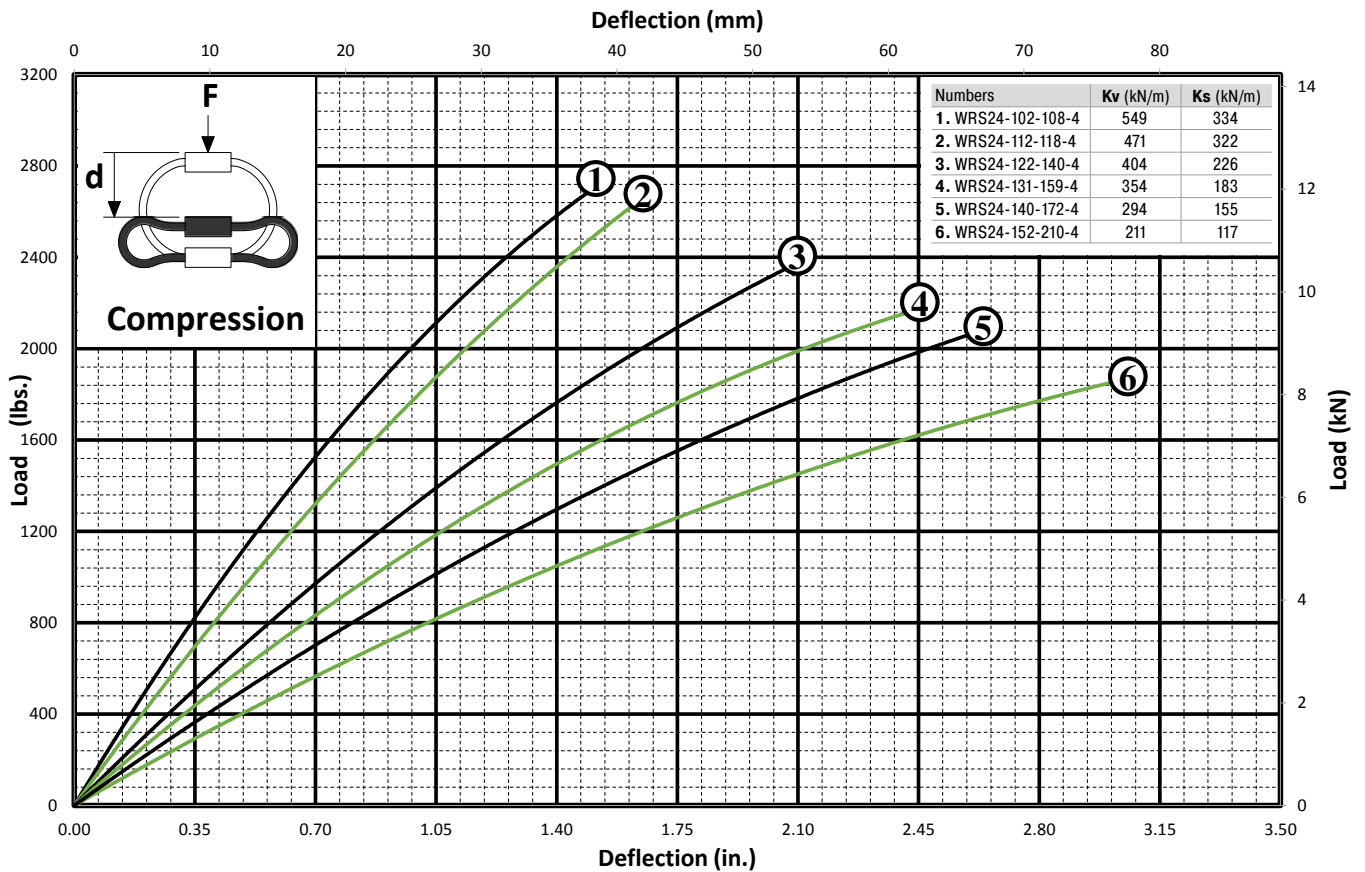
WRS24-102-108-4-A

Type _____
 Model size height _____
 Model size wide _____
 Number of loops _____
 Mounting hole _____

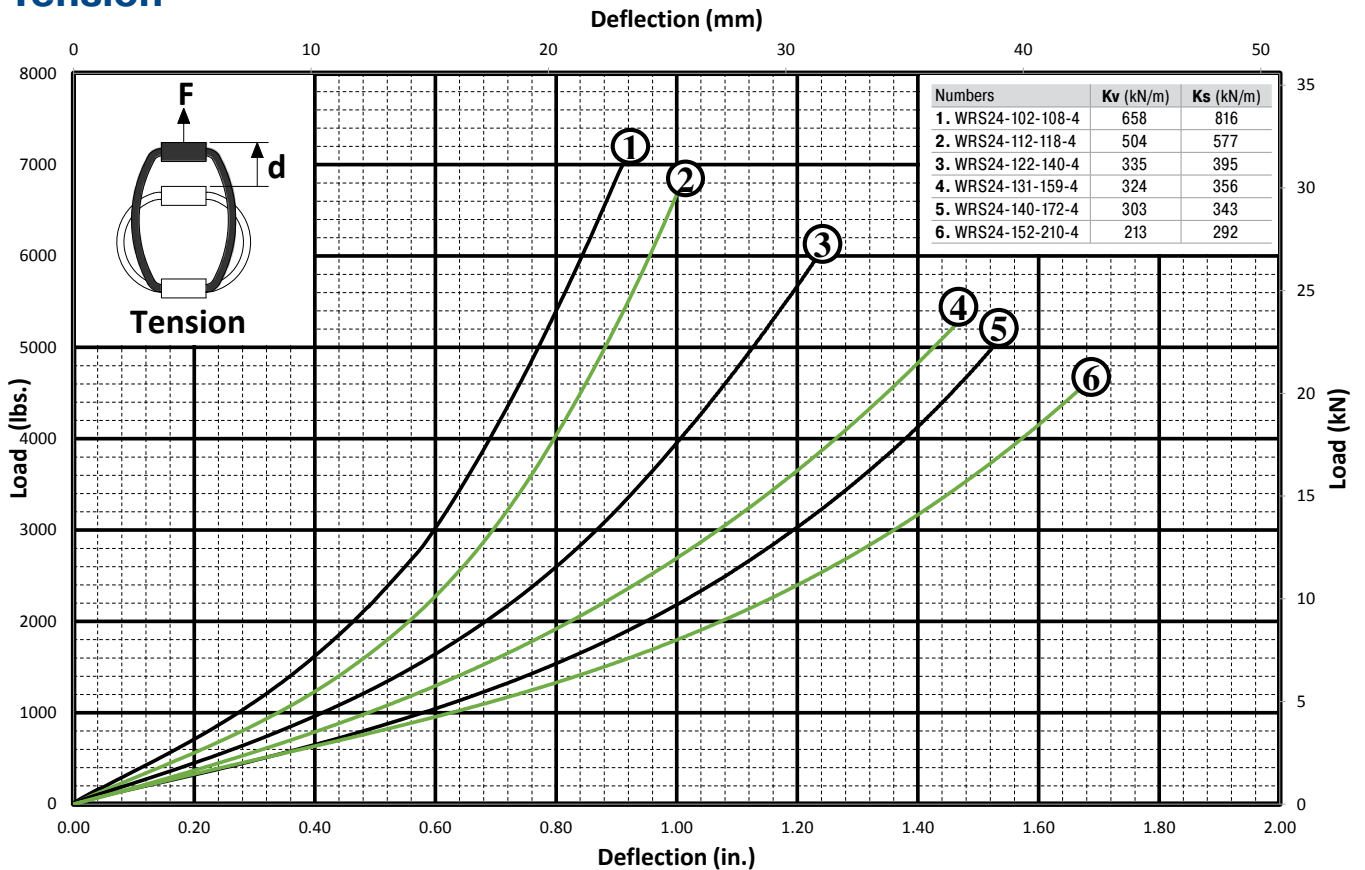
Mounting Hole Options

A	D
B	E
C	F

Compression

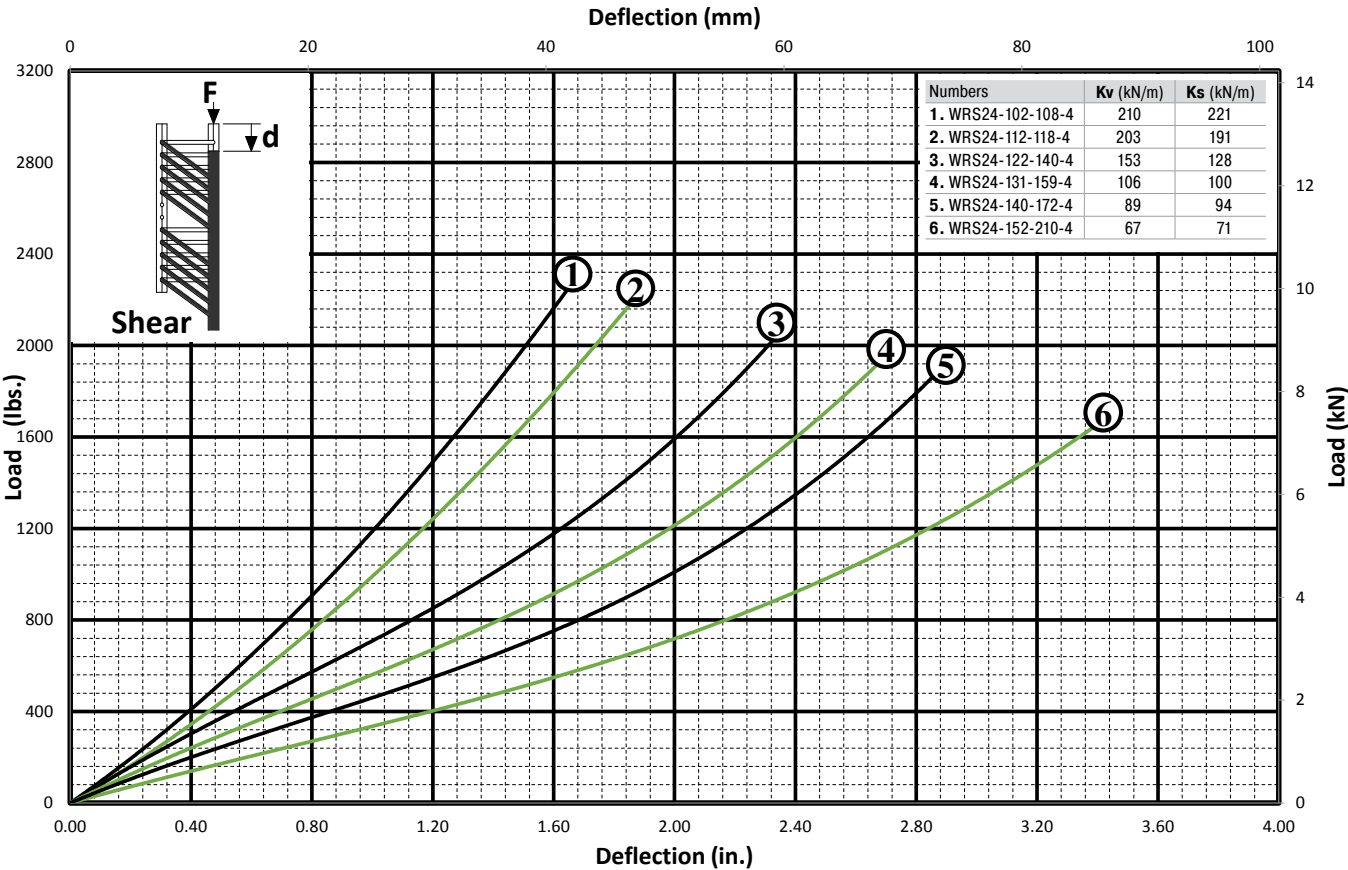


Tension

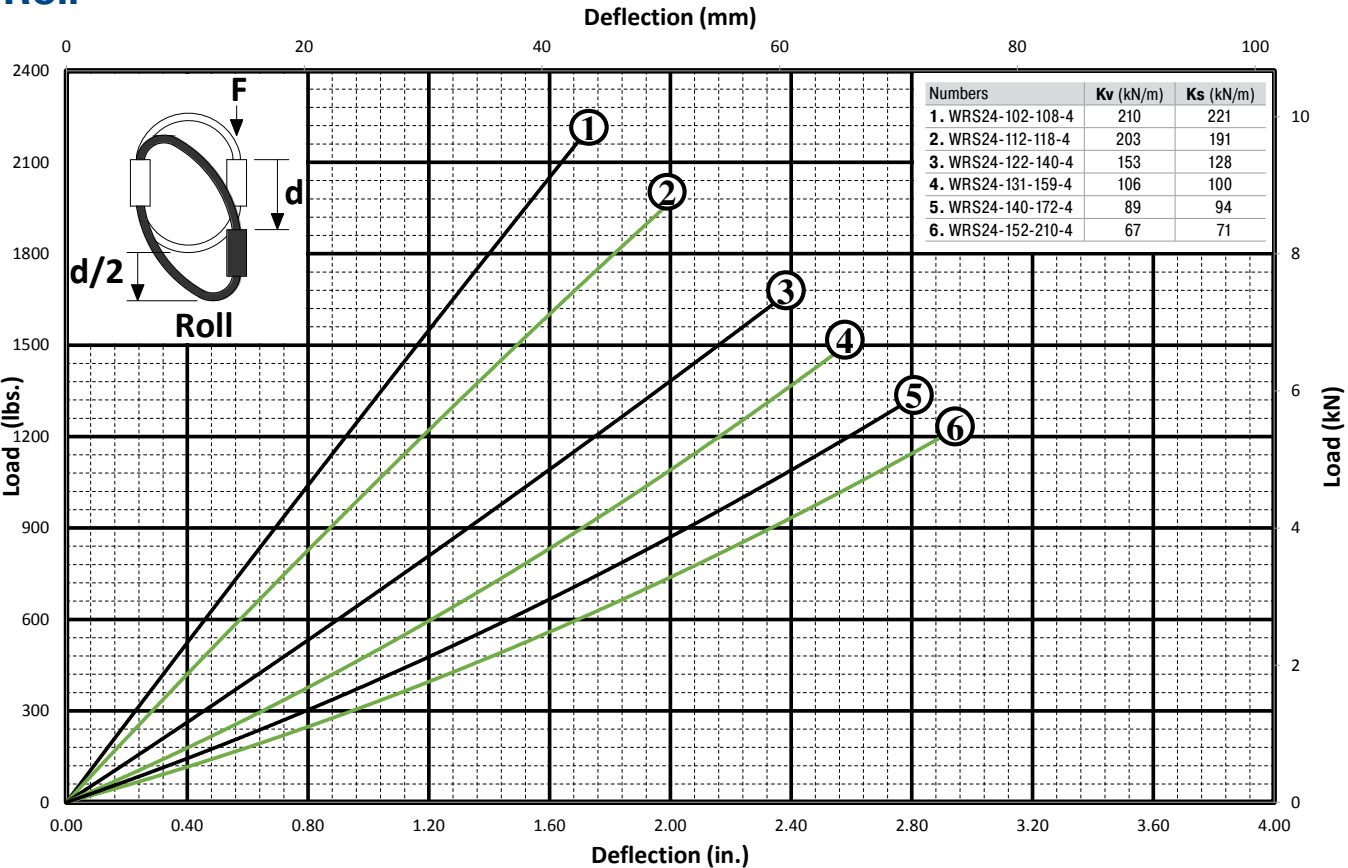


Helical Isolator Short, 19.05 mm (3/4") Diameter Cable

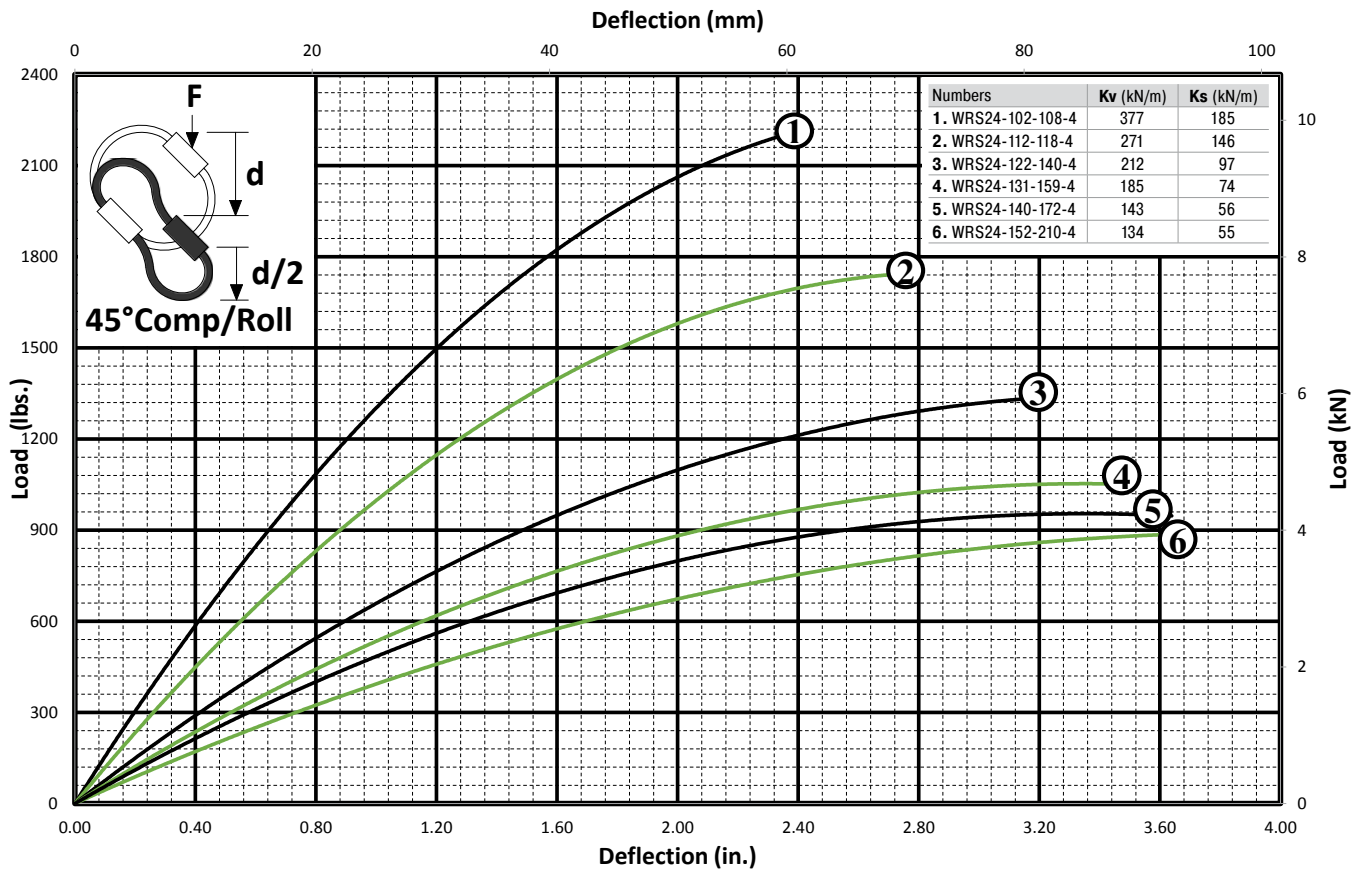
Shear



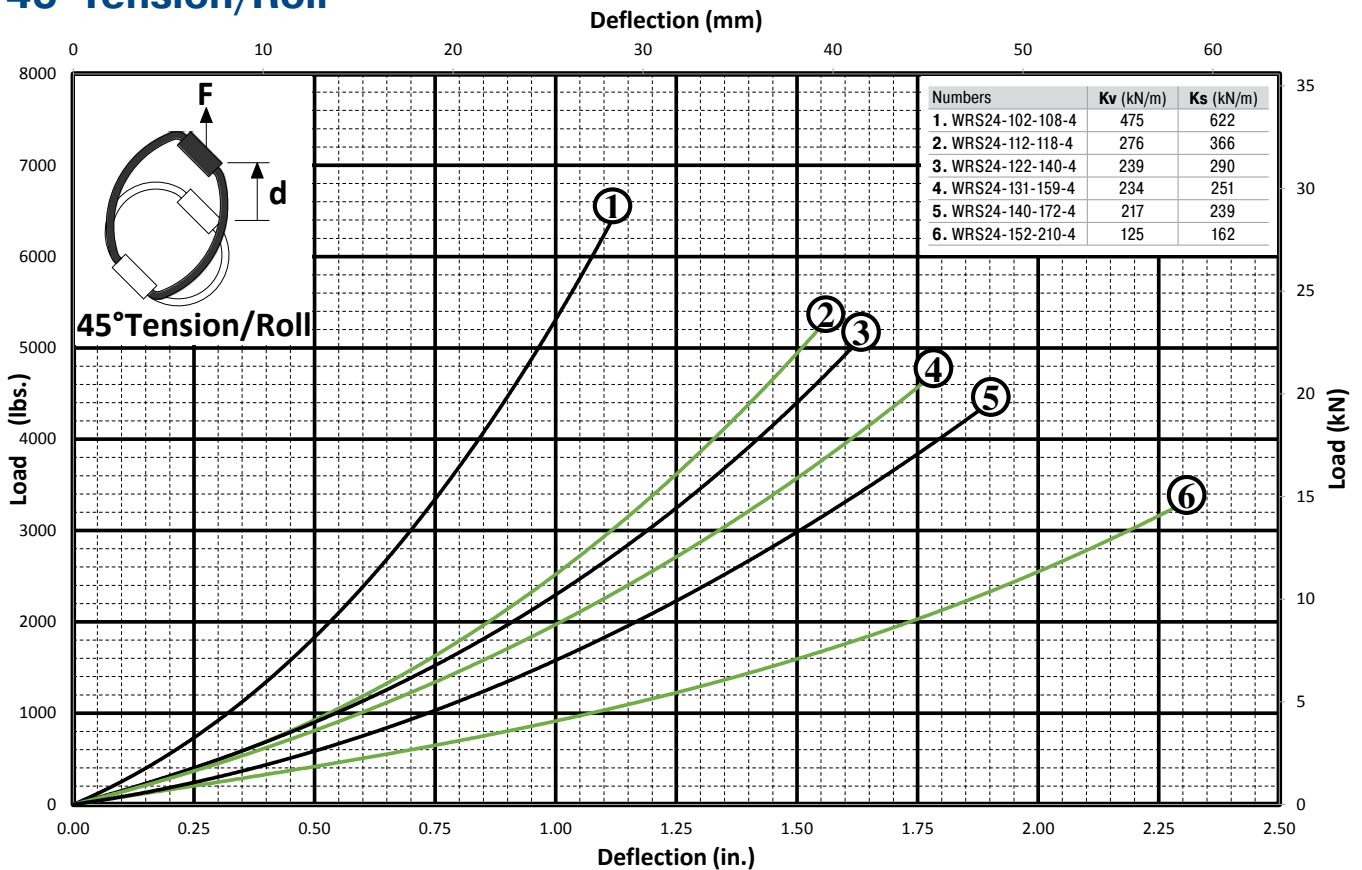
Roll



45° Compression/Roll



45° Tension/Roll



WRS28

Helical Isolator Short

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: $C/cc \approx 0.15$ to 0.20

Operating temperature range

-130°C to +260°C

Material

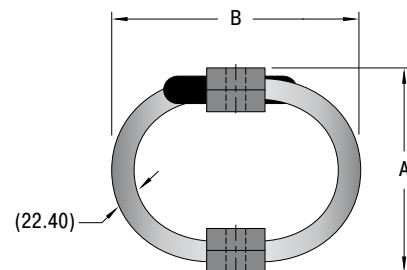
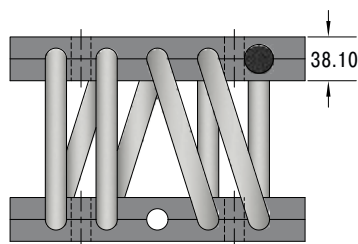
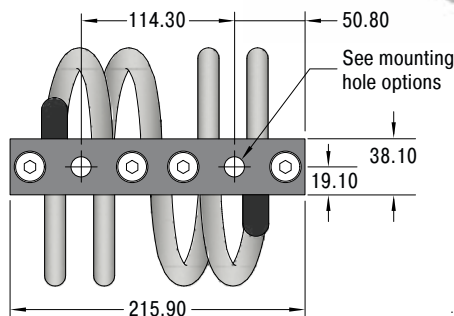
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ± 0.25 mm
- Add 2.05 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	
WRS28-133-172-4	133.4	171.5	547	363	45.7	173	187	45.7	4.54
WRS28-152-178-4	152.4	177.8	484	326	66.0	139	154	66.0	4.84
WRS28-159-184-4	158.8	184.2	368	241	71.1	122	136	71.1	4.91
WRS28-178-197-4	177.8	196.9	258	166	88.9	68	76	88.9	5.42
WRS28-191-210-4	190.5	209.6	222	119	101.6	58	64	101.6	5.70
WRS28-216-235-4	215.9	235.0	161	78	127.0	41	44	127.0	6.10

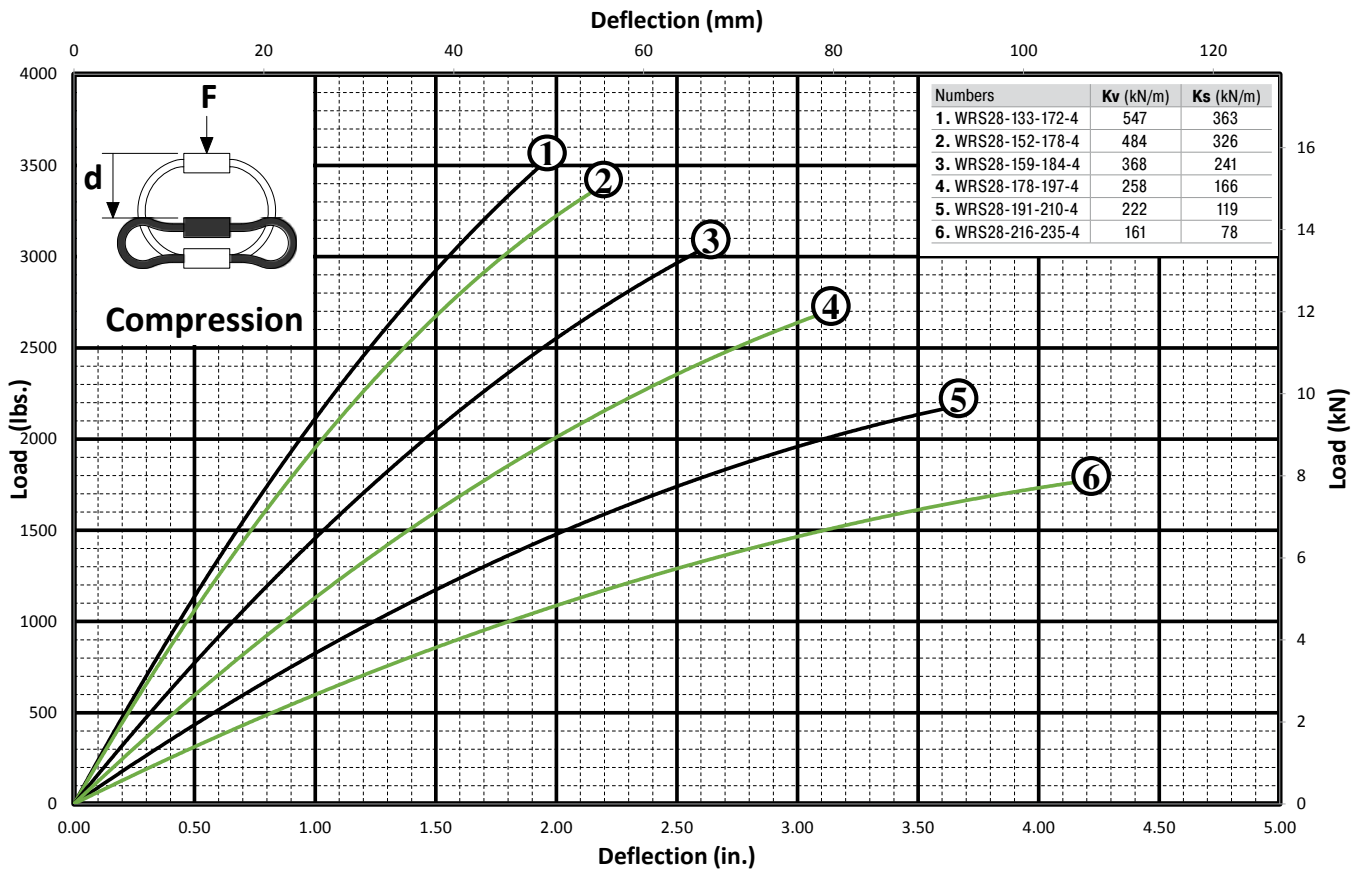
Ordering Example

Type WRS28-133-172-4-A
 Model size height 133.4
 Model size wide 171.5
 Number of loops 4
 Mounting hole A

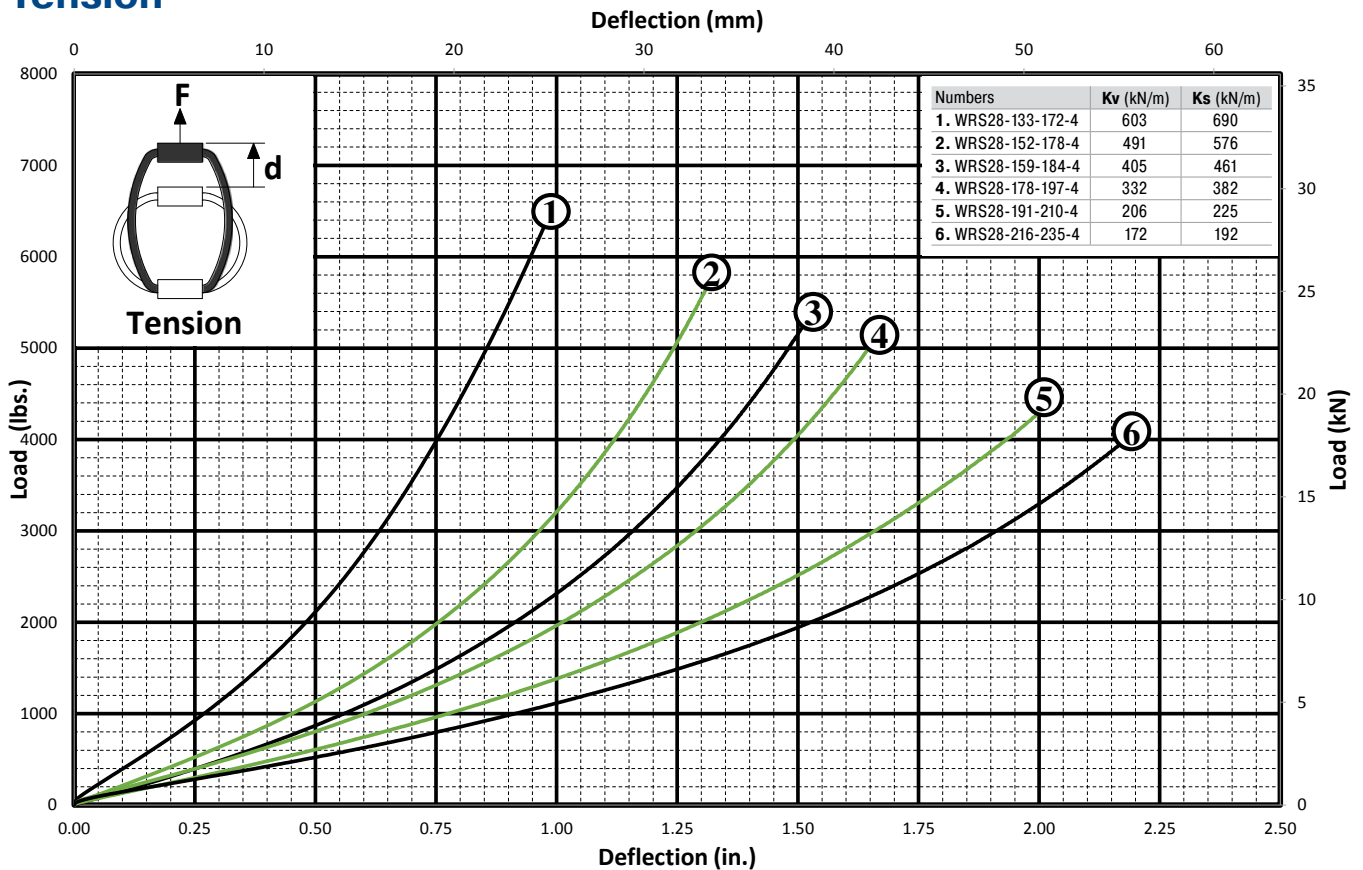
Mounting Hole Options

A	D
B	E
C	F

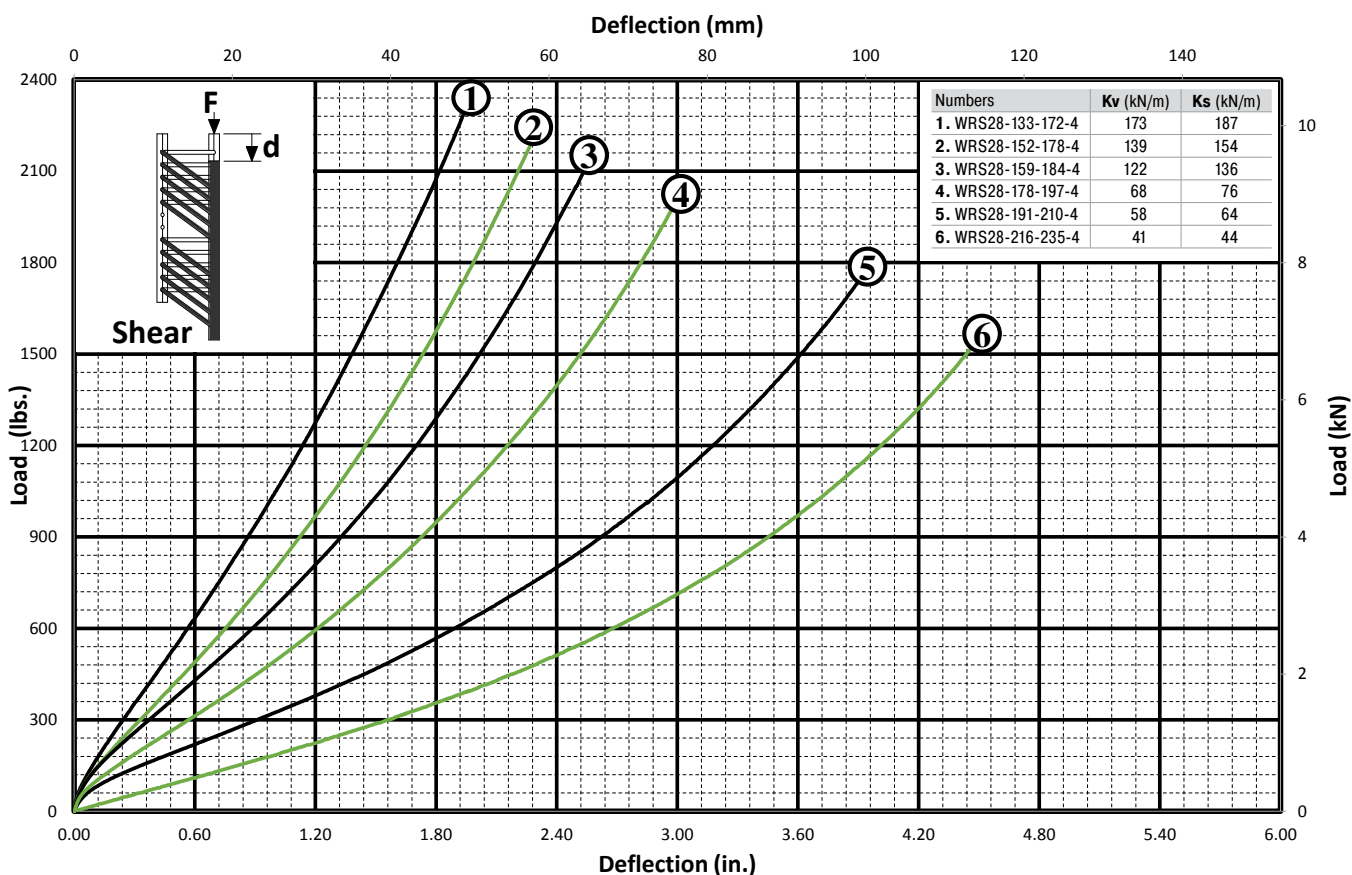
Compression



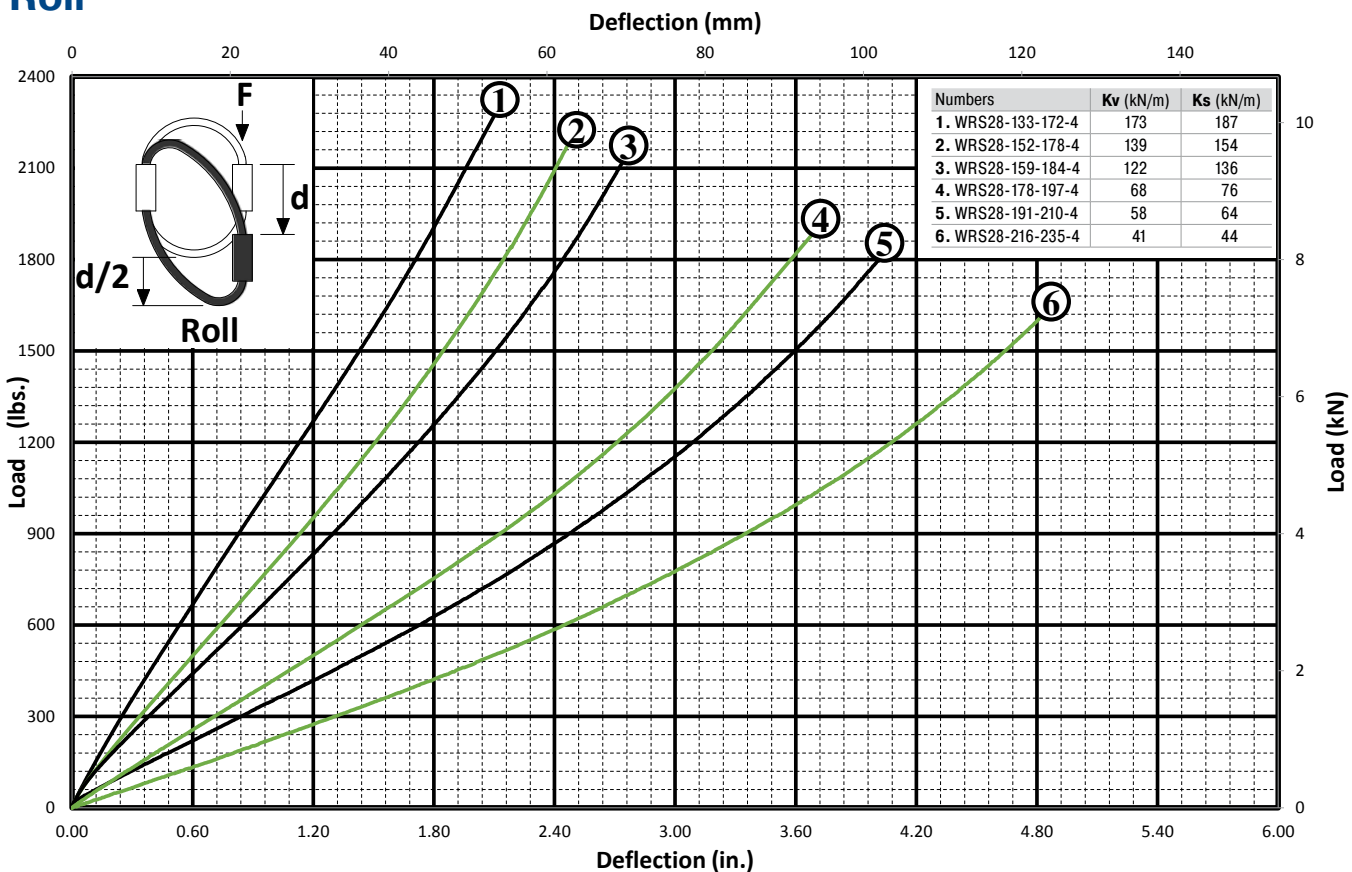
Tension



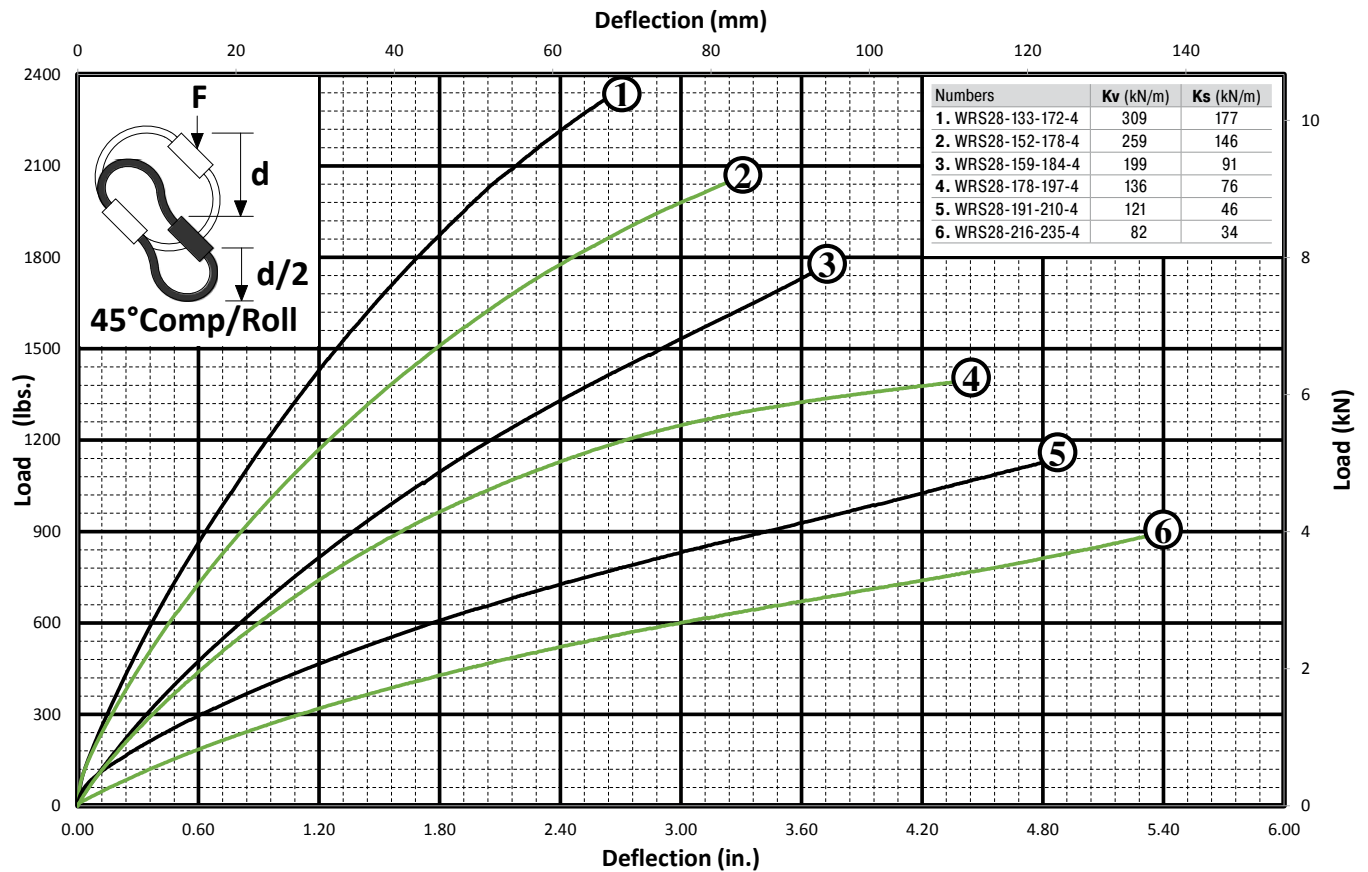
Shear



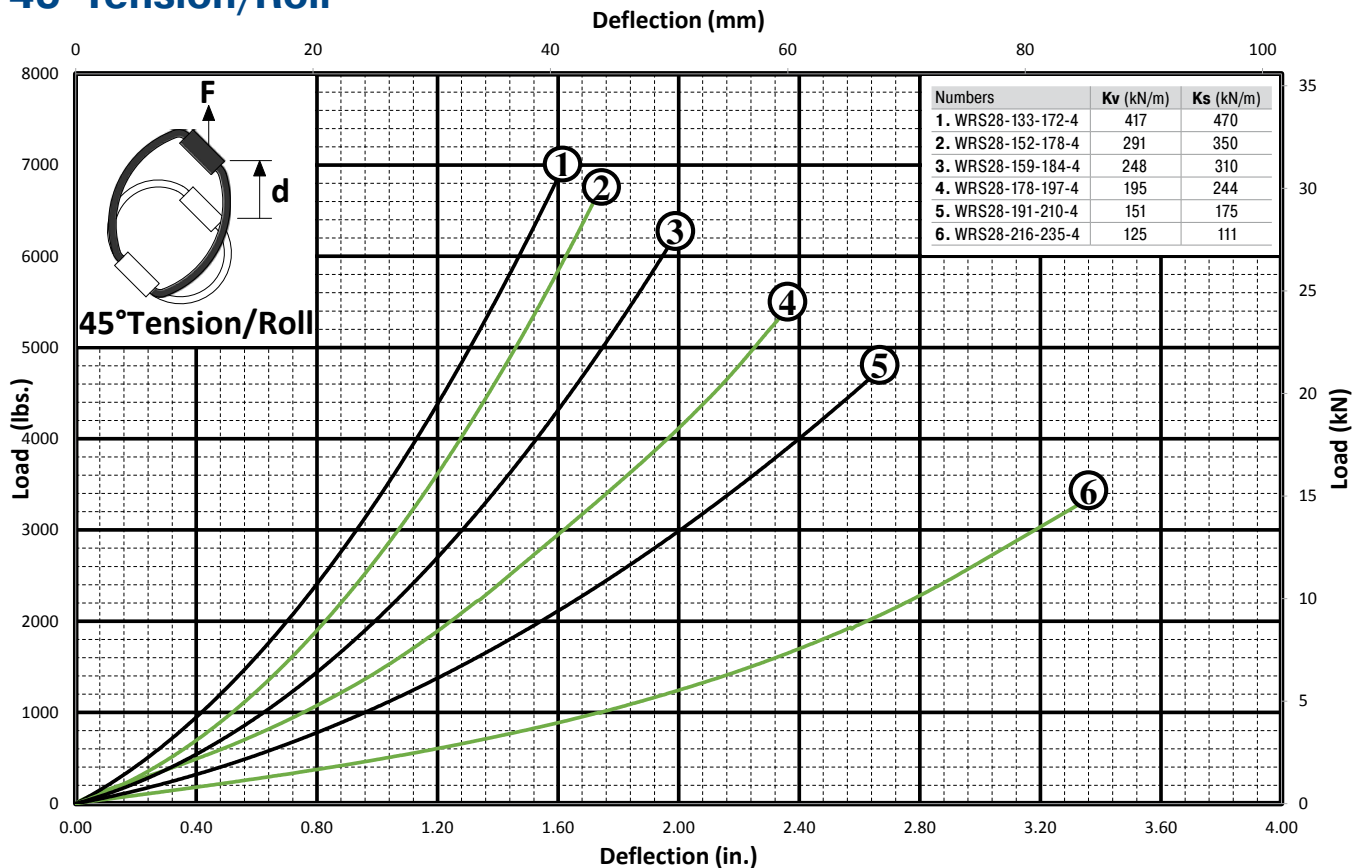
Roll



45° Compression/Roll



45° Tension/Roll



WRS32

Helical Isolator Short

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: $C/cc \approx 0.15$ to 0.20

Operating temperature range

-130°C to +260°C

Material

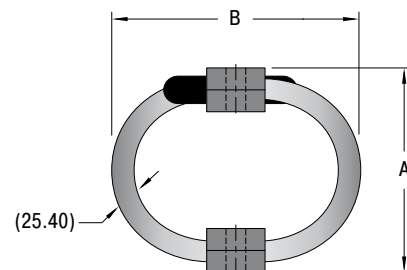
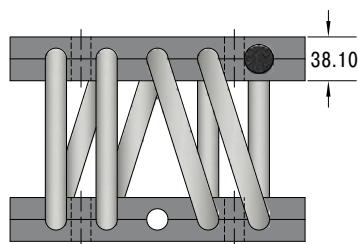
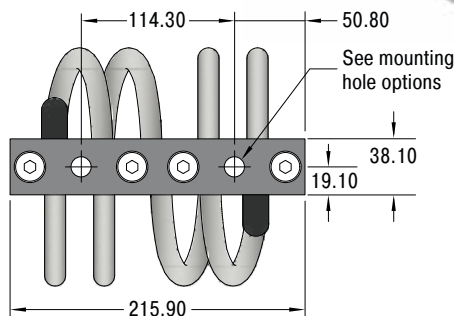
- Cable: 300 Series SS per MIL-W-83420 or RR-W-410
- Screws: 300 Series SS passivated IAW ASTM A967
- Inserts: 300 Series SS (alum bars only)
- Retainer bars: Standard: 6061-T6 Alum alloy/ Chem film IAW MIL-DTL-5541, TYPE II, Class 3

Note

- Mounting hole tolerances: ± 0.25 mm
- Add 1.87 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	
WRS32-133-178-4	133.4	177.8	950	541	45.7	425	280	45.7	5.66
WRS32-152-184-4	152.4	184.2	804	457	66.0	333	225	66.0	5.86
WRS32-159-191-4	158.8	190.5	655	363	71.1	319	210	71.1	6.04
WRS32-178-203-4	177.8	203.2	375	205	88.9	228	153	88.9	6.45
WRS32-191-216-4	190.5	215.9	331	184	101.6	179	110	101.6	7.08
WRS32-216-241-4	215.9	241.3	251	138	127.0	125	80	127.0	7.67

Ordering Example

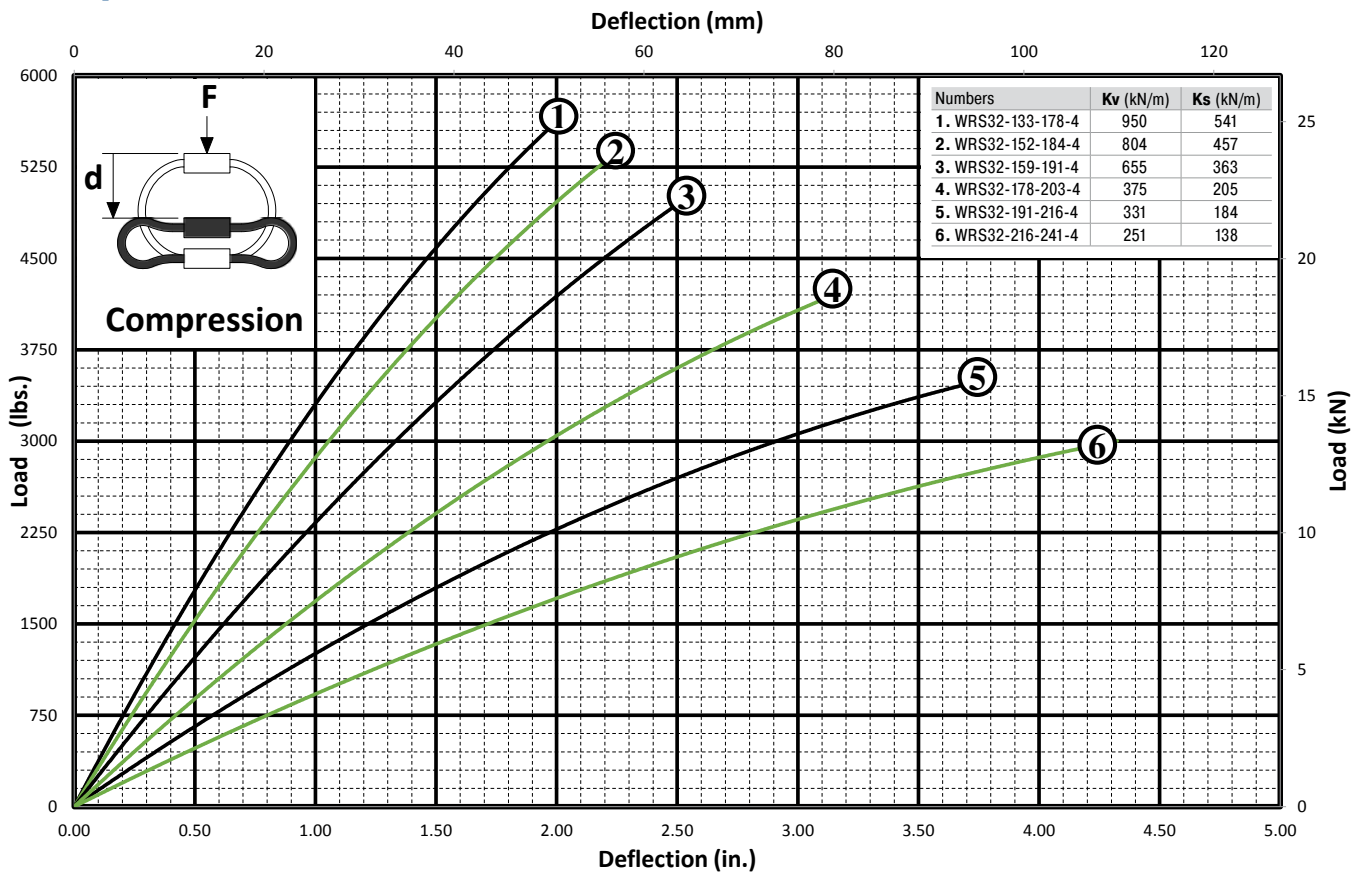
WRS32-133-178-4-A

Type _____
 Model size height _____
 Model size wide _____
 Number of loops _____
 Mounting hole _____

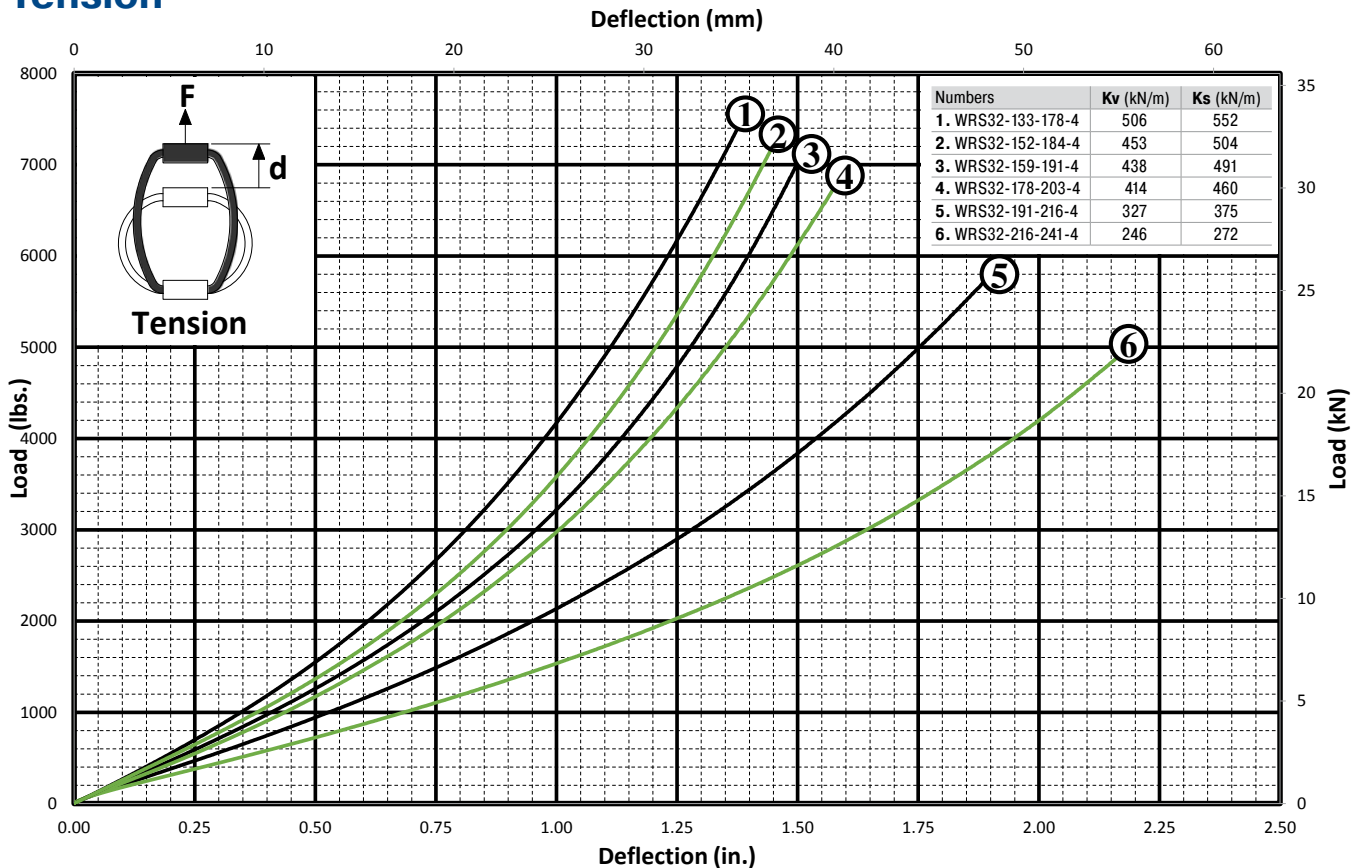
Mounting Hole Options

A	D
B	E
C	F

Compression

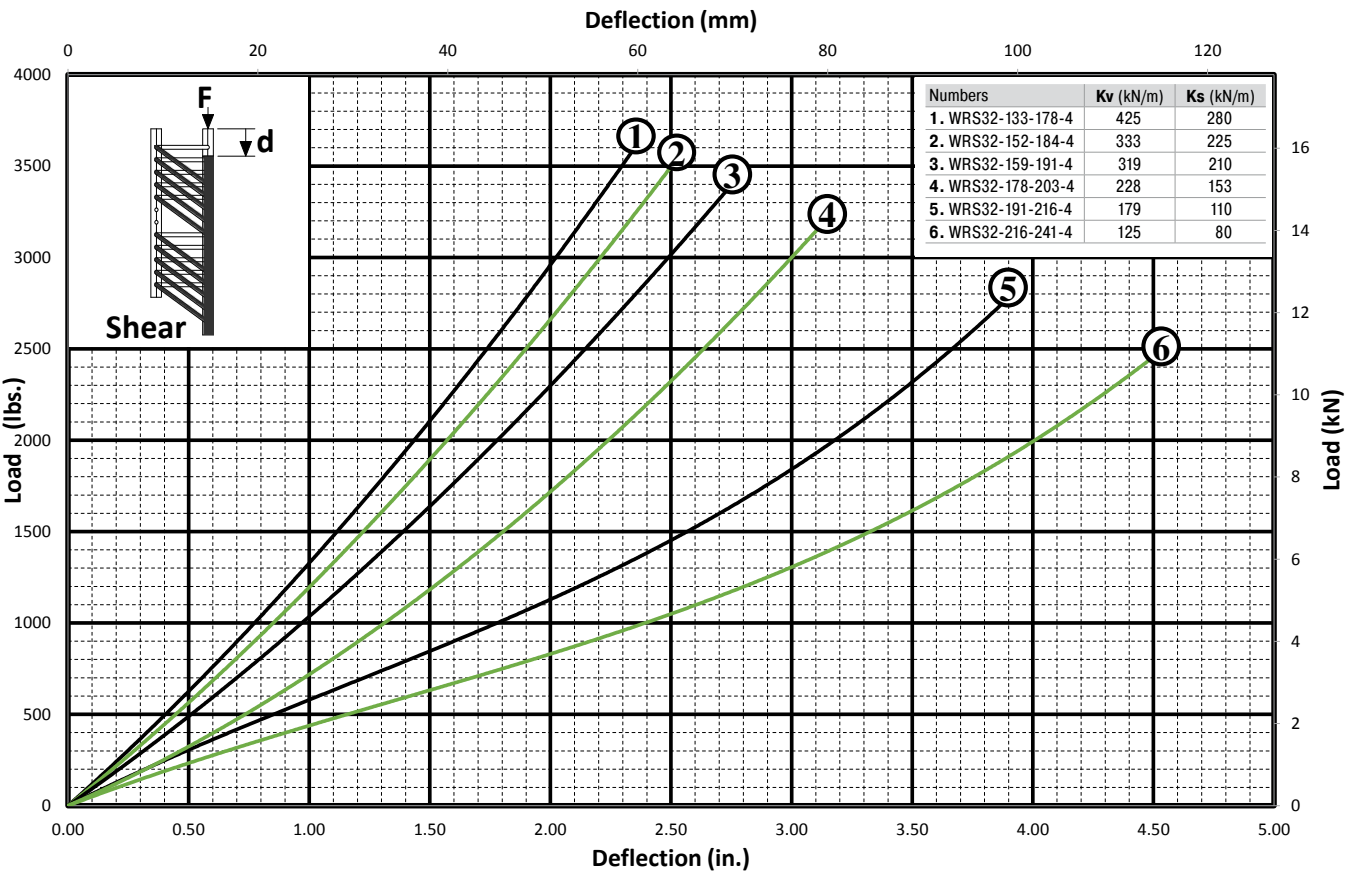


Tension

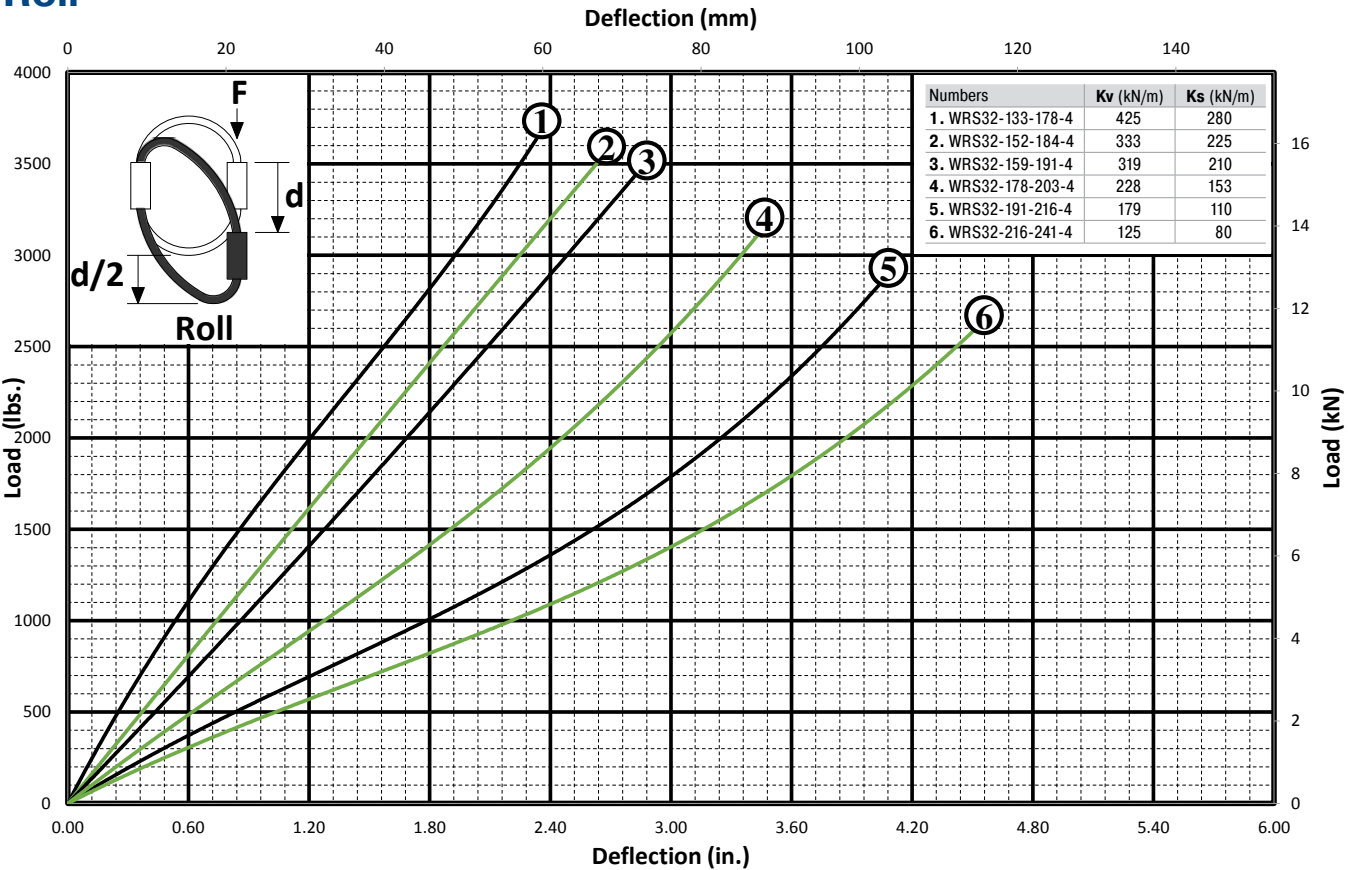


Helical Isolator Short, 25.40 mm (1") Diameter Cable

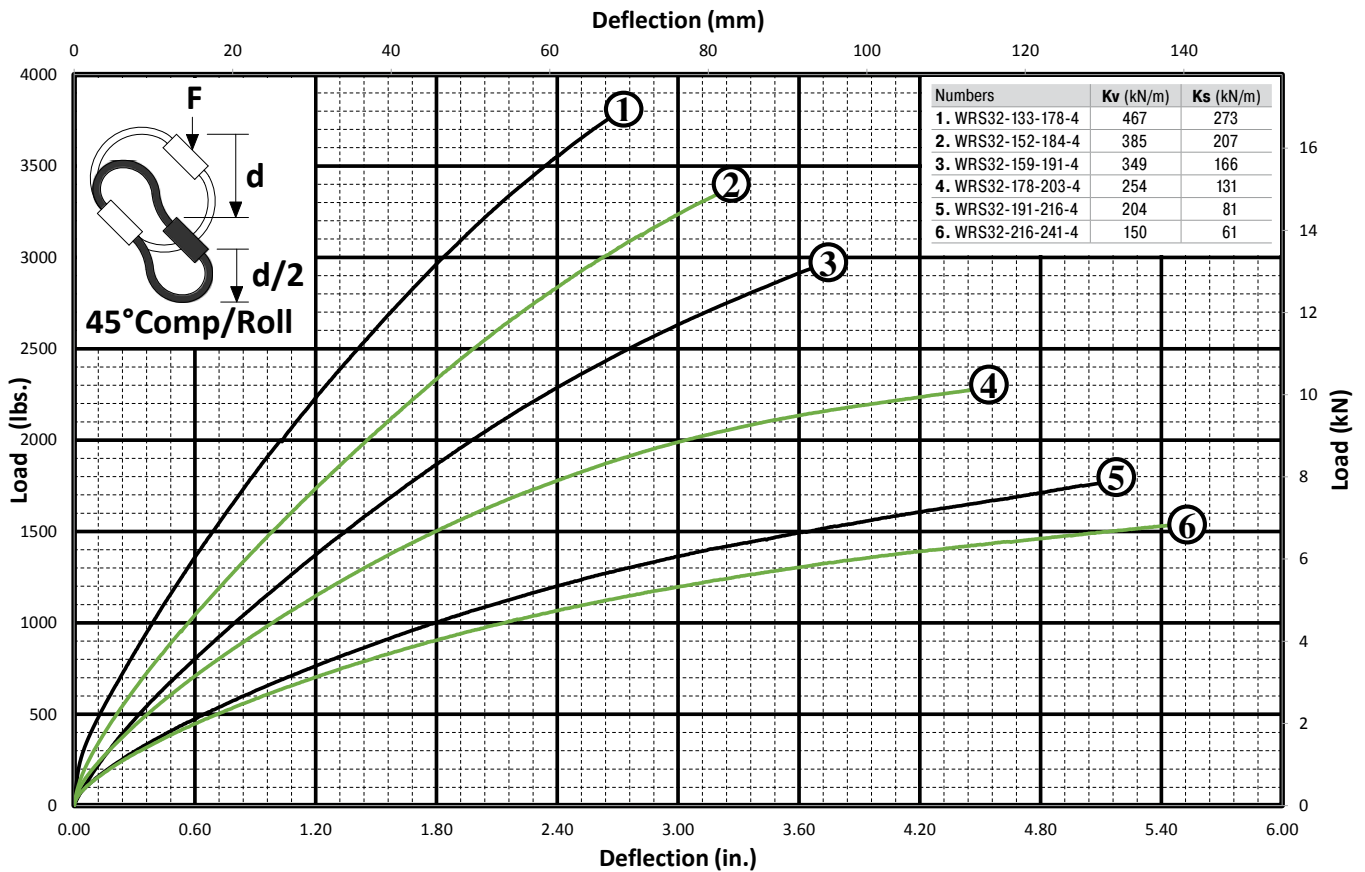
Shear



Roll



45° Compression/Roll



45° Tension/Roll

