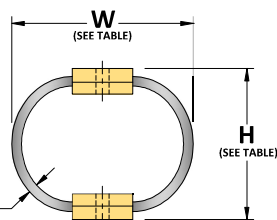
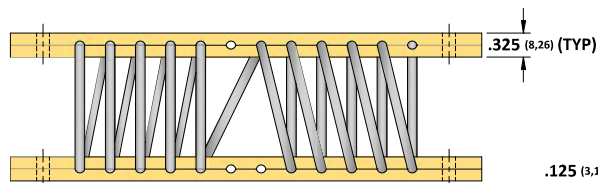
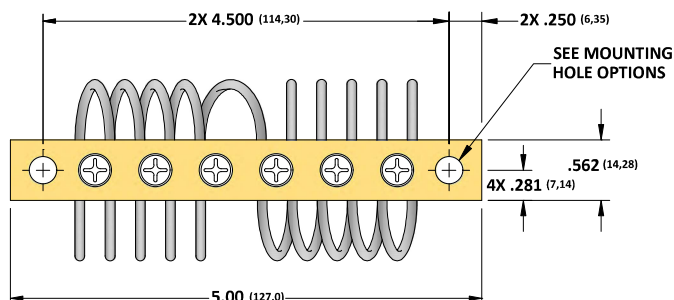


1/8" DIAMETER CABLE

Helical Isolator



PART NUMBER	DIMENSIONS in (mm)		ISOLATOR WEIGHT oz (gms)	COMPRESSION			SHEAR/ROLL (AVG)		
	H ±.03	W (REF)		Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)	Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)
M4-110-10-[]	1.10 (27,9)	1.40 (35,6)	4.0 (114)	502	476	.35	179	212	.35
M4-120-10-[]	1.20 (30,5)	1.50 (38,1)	4.1 (116)	488	418	.45	149	193	.45
M4-130-10-[]	1.30 (33,0)	1.60 (40,6)	4.2 (119)	383	298	.55	120	164	.55
M4-140-10-[]	1.40 (35,6)	1.70 (43,2)	4.3 (122)	283	234	.65	83	125	.65
M4-150-10-[]	1.50 (38,1)	1.80 (45,7)	4.4 (125)	227	182	.75	74	112	.75
M4-160-10-[]	1.60 (40,6)	1.90 (48,2)	4.5 (128)	195	142	.85	54	88	.85

NOTES, FEATURES, MATERIALS/FINISHES

NOTES:

- MOUNTING HOLE TOLERANCES: ± 0.010 (± 0.25 mm).
- ALL DIMENSIONS IN PARENTHESIS ARE METRIC (mm).
- SPECIALS AVAILABLE UPON REQUEST (MATERIALS, SIZE, MOUNTING HOLES, FINISH, ETC...)
- ADD 4.15oz (.12kg) TO ISOLATOR WEIGHT FOR ALL-STAINLESS STEEL VERSIONS.

FEATURES:

- RUGGED ALL METAL CONSTRUCTION
- UNEQUALLED TEMP. RANGE: -200°F TO 500°F
- THREE AXIS CAPABILITY (6 DOF)
- FAIL SAFE CONSTRUCTION
- HIGH DAMPING: $C/C_c \approx .15-.20$
- LONG LIFE AND MAINTENANCE FREE

MATERIALS/FINISHES:

- 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: SEE BELOW

MODEL NUMBER EXAMPLE

M4 - 140 - 10 - - A

MOUNTING HOLES

- SEE MOUNTING HOLE OPTIONS.
- ADD 'M' TO END OF P/N FOR METRIC MOUNTING HOLES.
- ADD 'L' TO END OF P/N FOR LOCKING INSERTS. (N/A FOR SS BARS)

BAR MATERIAL/FINISH

- [] = 6061-T6 ALUM ALLOY/CHEM FILM IAW MIL-DTL-5541, TYPE II, CLASS 3.
- [H] = 6061-T6 ALUM ALLOY/ANODIZED IAW MIL-A-8625, TYPE II CLASS 1.
- [S] = 300 SERIES SS/PASSIVATED IAW ASTM A967.

NO. OF LOOPS

- 10 LOOPS STANDARD FOR THE M4 SERIES.
- ISOLATOR SPRING RATES ARE DIRECTLY PROPORTIONAL TO NO. OF CABLE LOOPS.

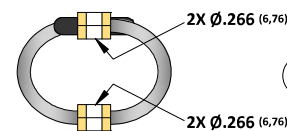
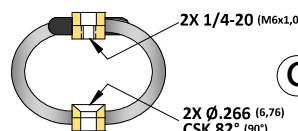
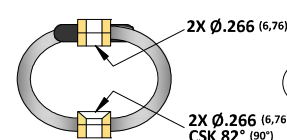
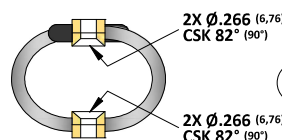
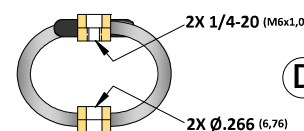
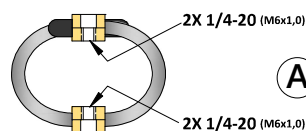
MODEL SIZE

- BASED ON ISOLATOR HEIGHT

SERIES

- CABLE DIAMETER IN 32NDS

MOUNTING HOLE OPTIONS



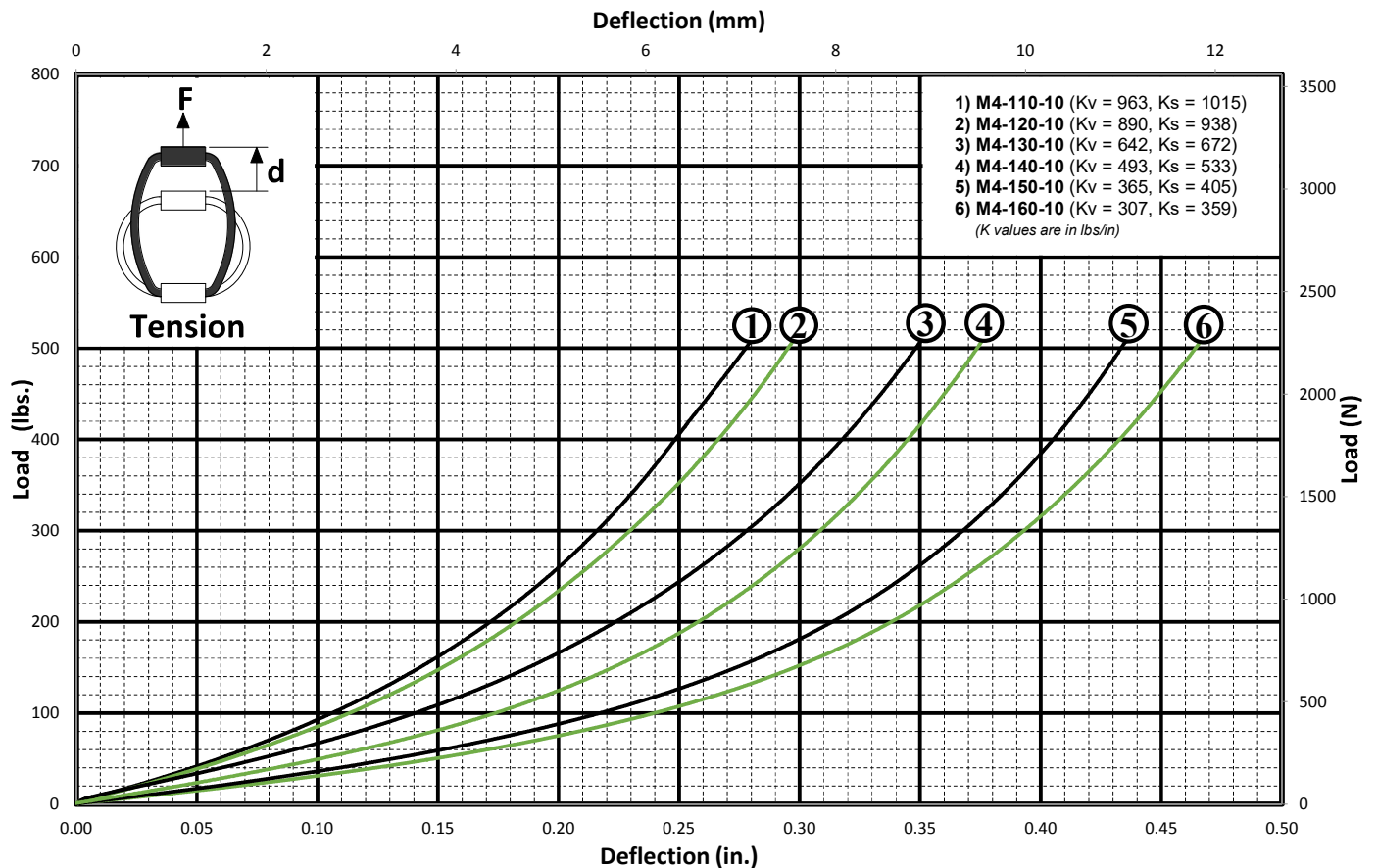
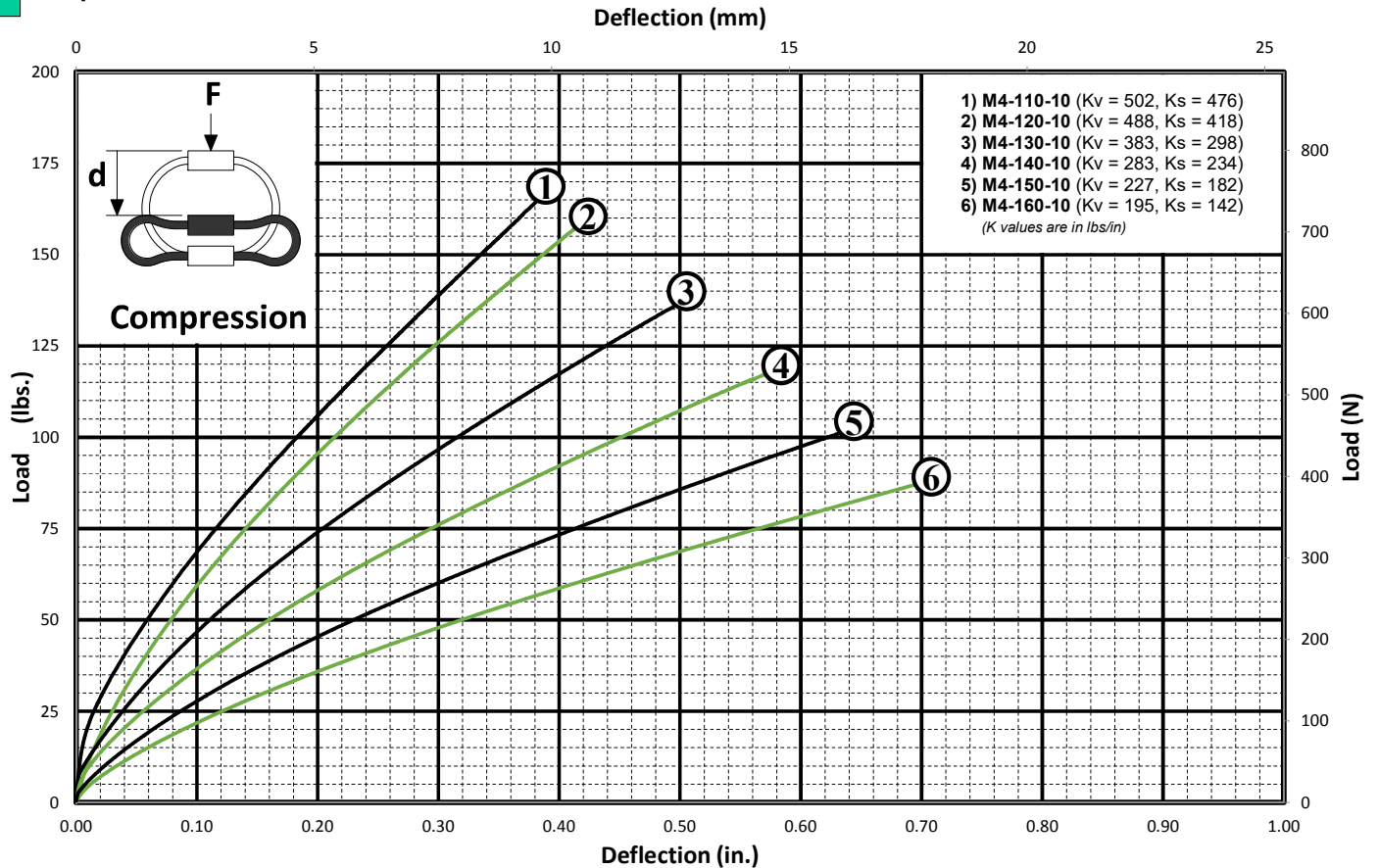


M4 SERIES

1/8" DIAMETER CABLE

Design Data Sheet

Helical Isolator



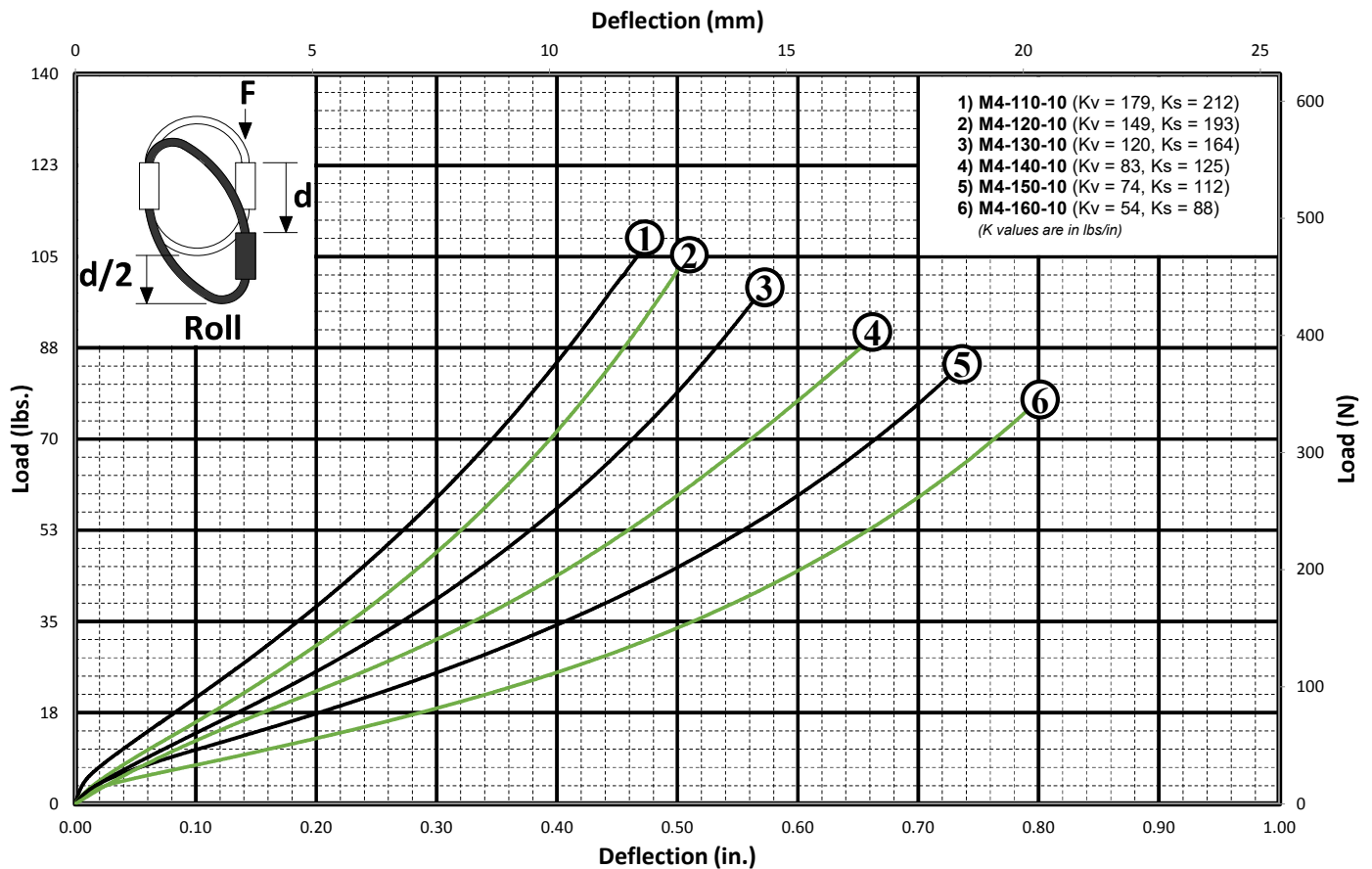
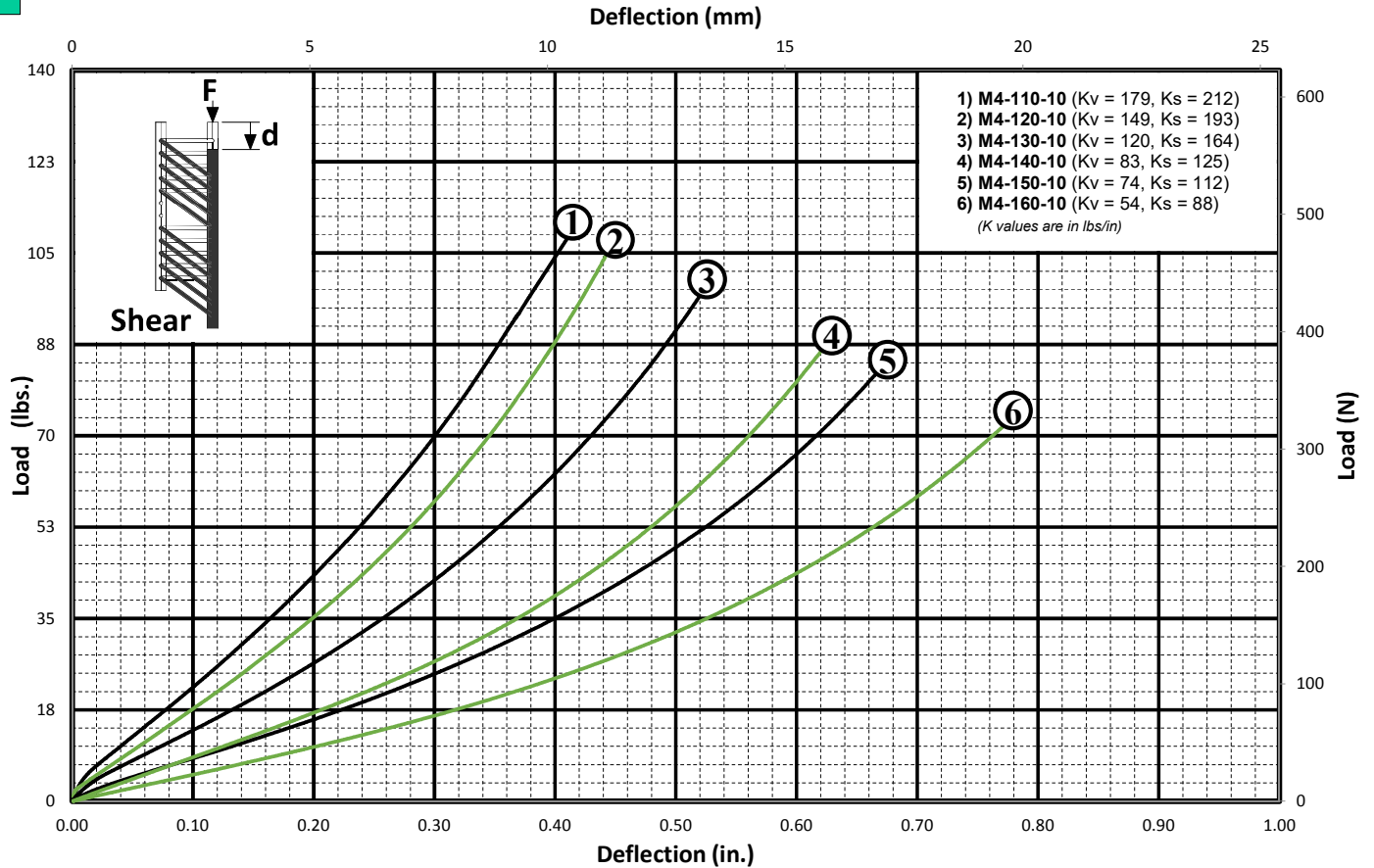


M4 SERIES

1/8" DIAMETER CABLE

Design Data Sheet

Helical Isolator





M4 SERIES

1/8" DIAMETER CABLE

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