

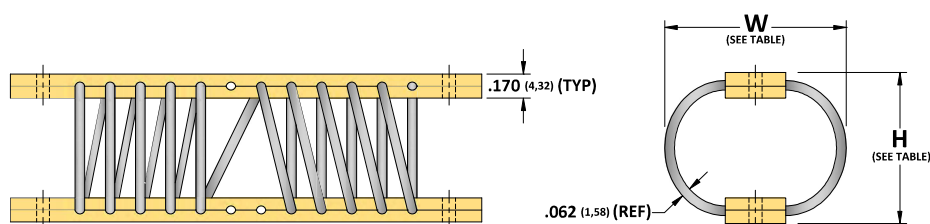
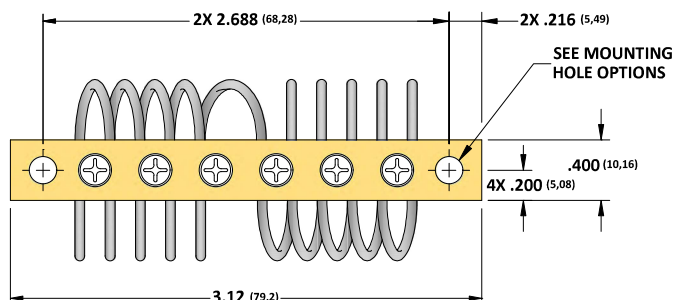
M

M2 SERIES

1/16" DIAMETER CABLE

Design Data Sheet

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)
M2-070-10-[]	0.70 (17,8)	1.00 (25,4)	0.7 (20)	99	80	.30	32	57	.30
M2-080-10-[]	0.80 (20,3)	1.10 (27,9)	0.8 (23)	83	70	.40	28	50	.40
M2-100-10-[]	1.00 (25,4)	1.20 (30,5)	0.9 (26)	46	37	.60	11	27	.60
M2-110-10-[]	1.10 (27,9)	1.30 (33,0)	1.0 (28)	30	23	.70	8	24	.70
M2-120-10-[]	1.20 (30,5)	1.40 (35,6)	1.1 (31)	24	18	.72	6	20	.72
M2-130-10-[]	1.30 (33,0)	1.50 (38,1)	1.2 (34)	20	14	.90	4	18	.90

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 1.08oz (.03kg) 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 MS51959-12
- INSERTS: 300 SERIES SS (ALUM BARS ONLY)
- RETAINER BARS: SEE BELOW

MODEL NUMBER EXAMPLE

M2 - 110 - 10 - H - 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 M2 SERIES.
- ISOLATOR SPRING RATES ARE DIRECTLY PROPORTIONAL TO NO. OF CABLE LOOPS.

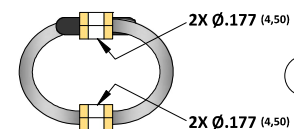
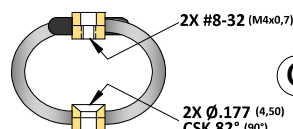
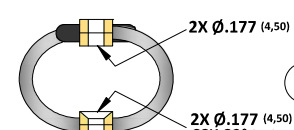
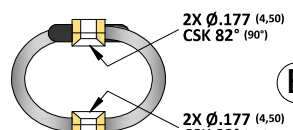
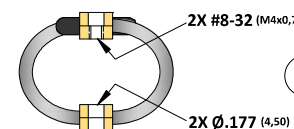
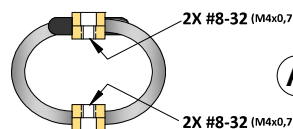
MODEL SIZE

- BASED ON ISOLATOR HEIGHT

SERIES

- CABLE DIAMETER IN 32NDS

MOUNTING HOLE OPTIONS



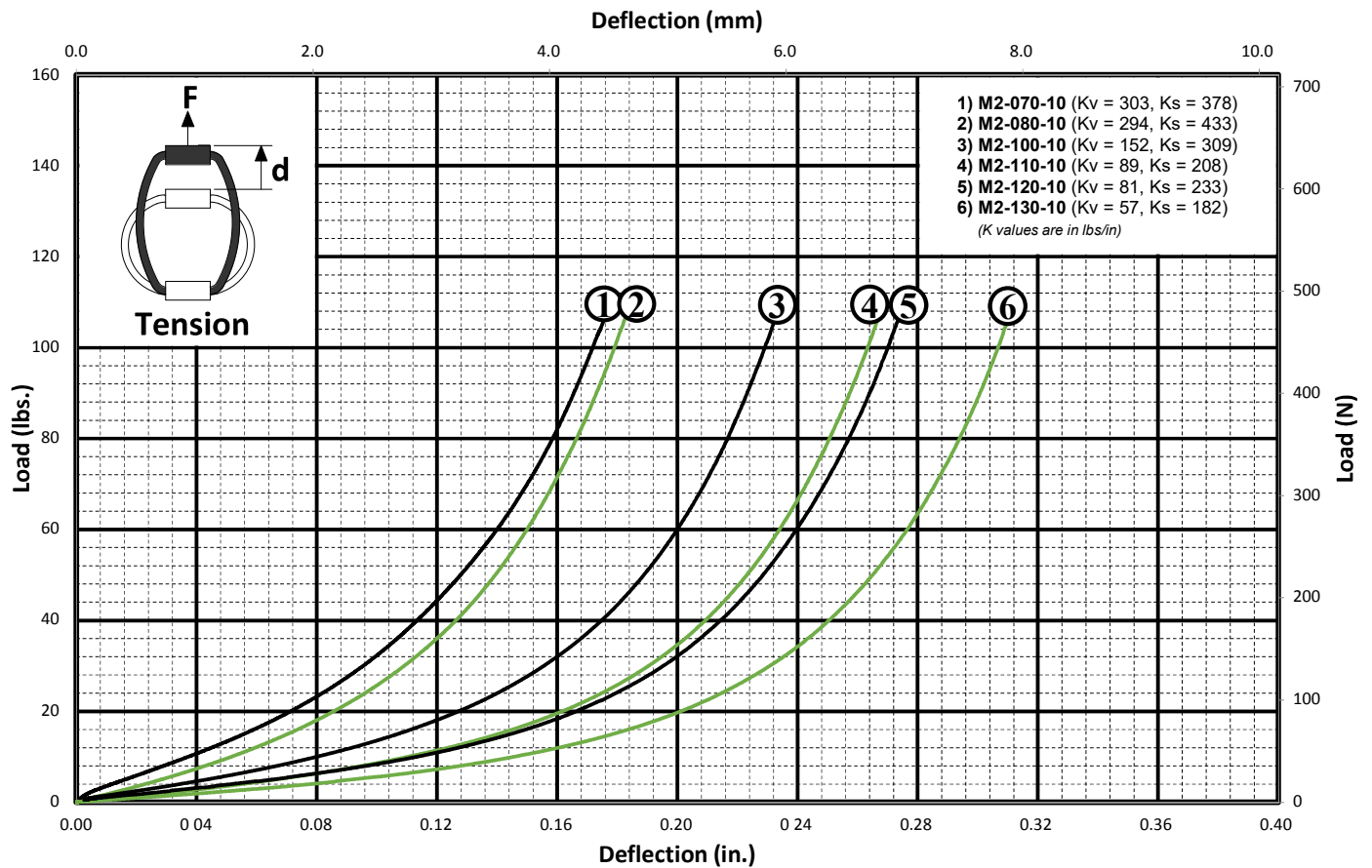
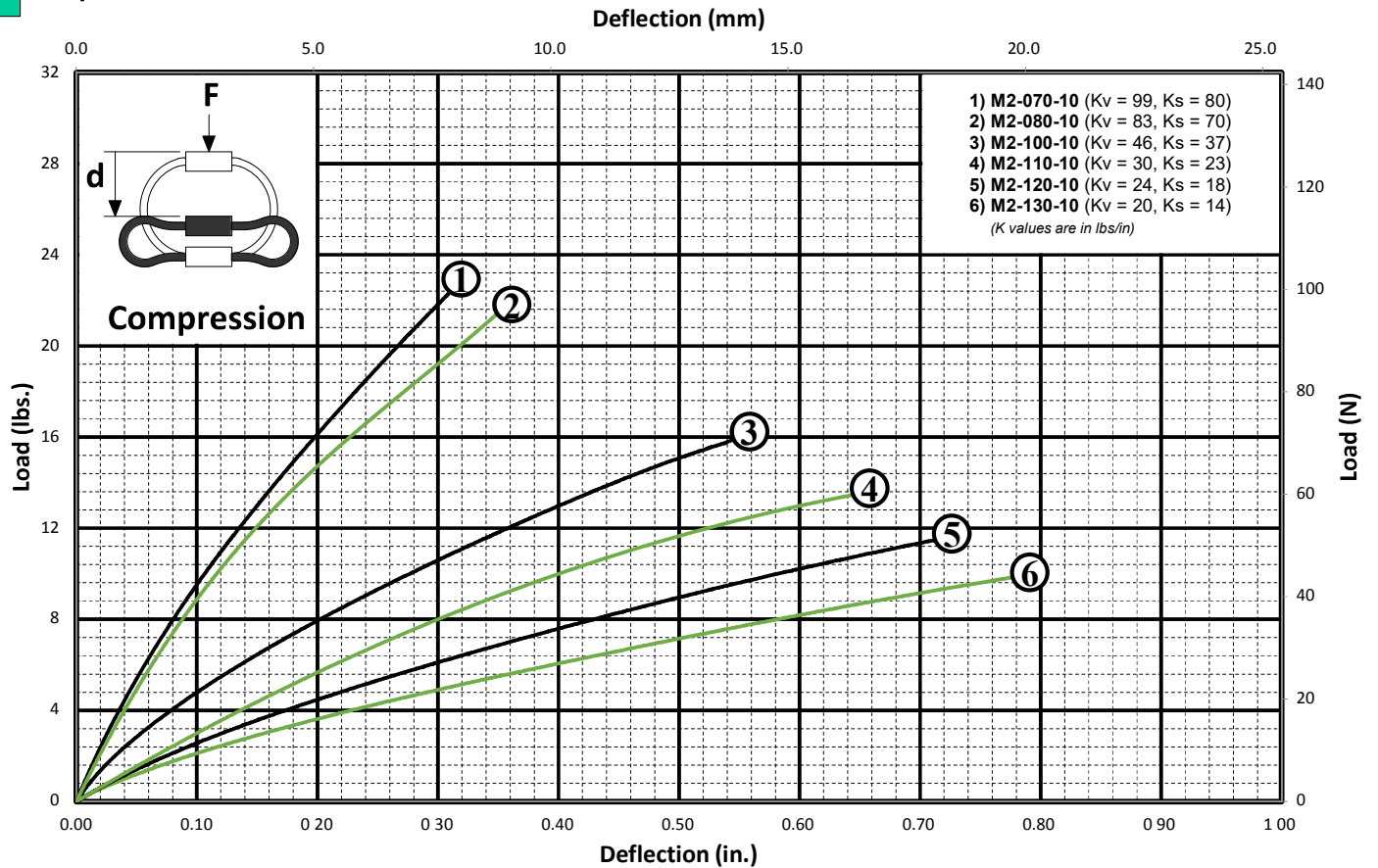


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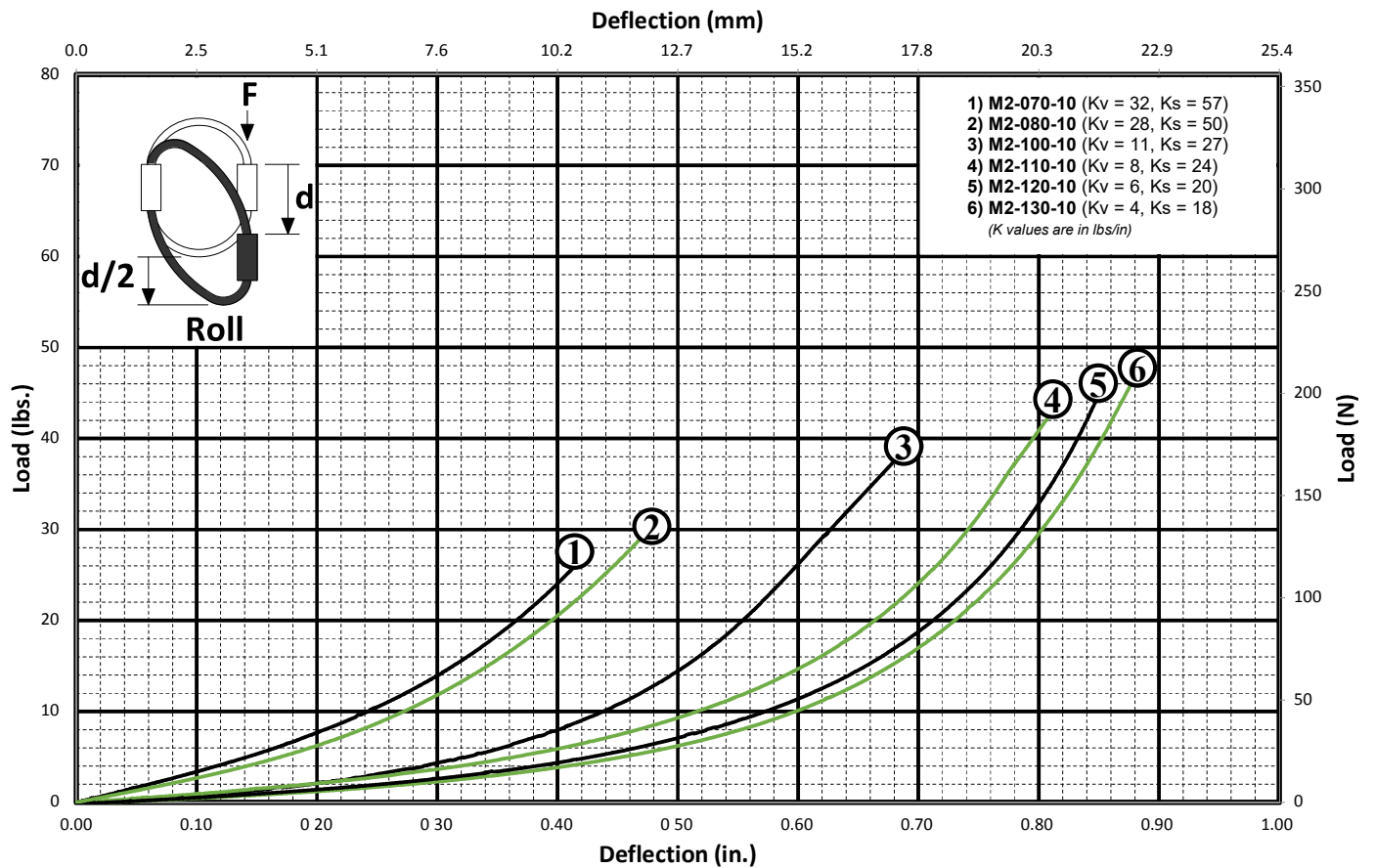
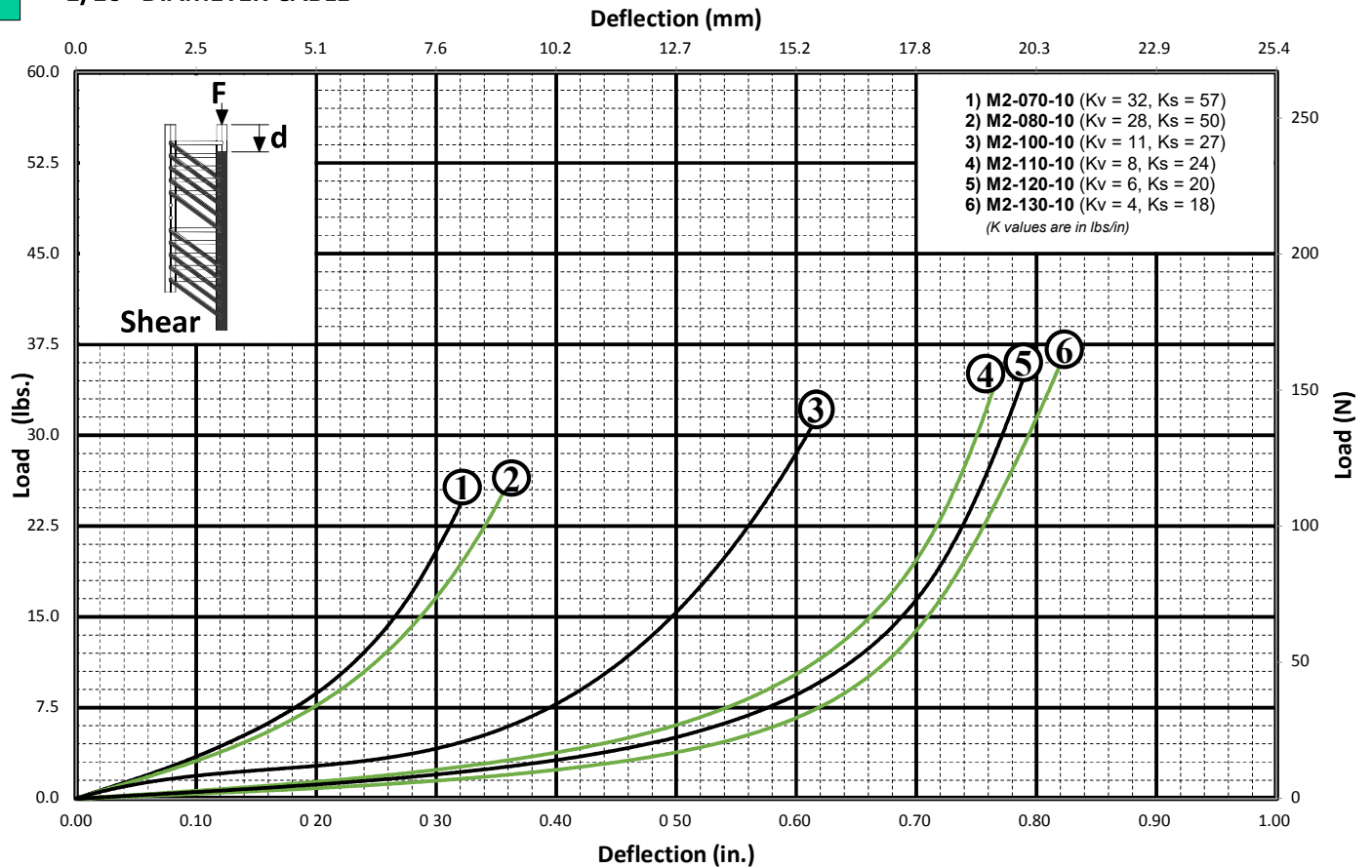


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