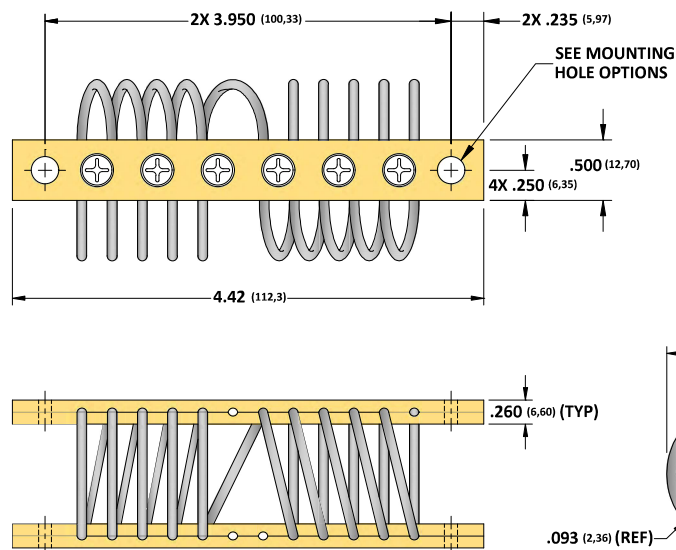




PART NUMBER	DIMENSIONS in (mm)		ISOLATOR WEIGHT oz (gms)	COMPRESSION			SHEAR/ROLL (AVG)		
	H ±.03	W (REF)		Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)	Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)
M3-090-10-[]	0.90 (22,9)	1.10 (27,9)	2.4 (68)	415	355	.30	140	206	.30
M3-100-10-[]	1.00 (25,4)	1.20 (30,5)	2.5 (71)	286	259	.40	98	173	.40
M3-110-10-[]	1.10 (27,9)	1.30 (33,5)	2.6 (74)	192	170	.50	55	103	.50
M3-130-10-[]	1.30 (33,0)	1.50 (38,1)	2.7 (77)	95	81	.70	29	46	.70
M3-140-10-[]	1.40 (35,6)	1.60 (40,6)	2.8 (79)	86	71	.80	24	41	.80
M3-150-10-[]	1.50 (38,1)	1.70 (43,2)	3.0 (85)	64	50	.90	17	31	.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 2.61oz (.07kg) 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 MS51959-26
- INSERTS: 300 SERIES SS (ALUM BARS ONLY)
- RETAINER BARS: SEE BELOW

MODEL NUMBER EXAMPLE

M3 - 130 - 10 - S - B

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 M3 SERIES.
- ISOLATOR SPRING RATES ARE DIRECTLY PROPORTIONAL TO NO. OF CABLE LOOPS.

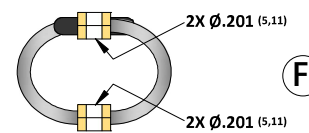
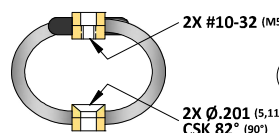
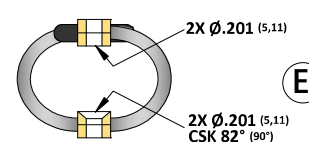
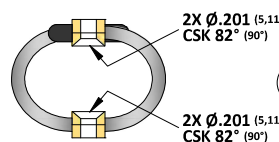
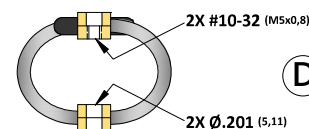
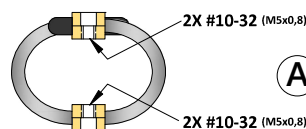
MODEL SIZE

- BASED ON ISOLATOR HEIGHT

SERIES

- CABLE DIAMETER IN 32NDS

MOUNTING HOLE OPTIONS



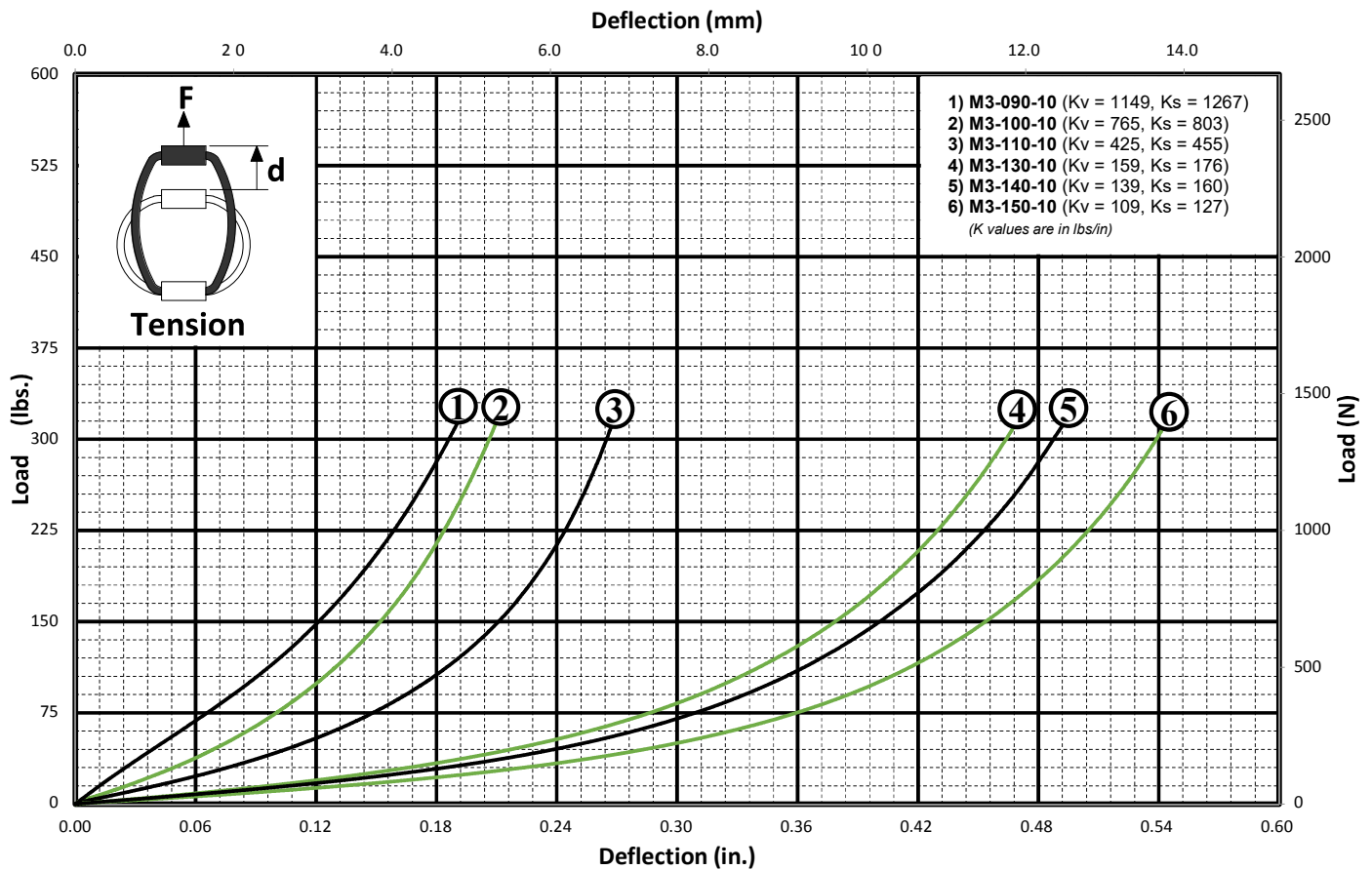
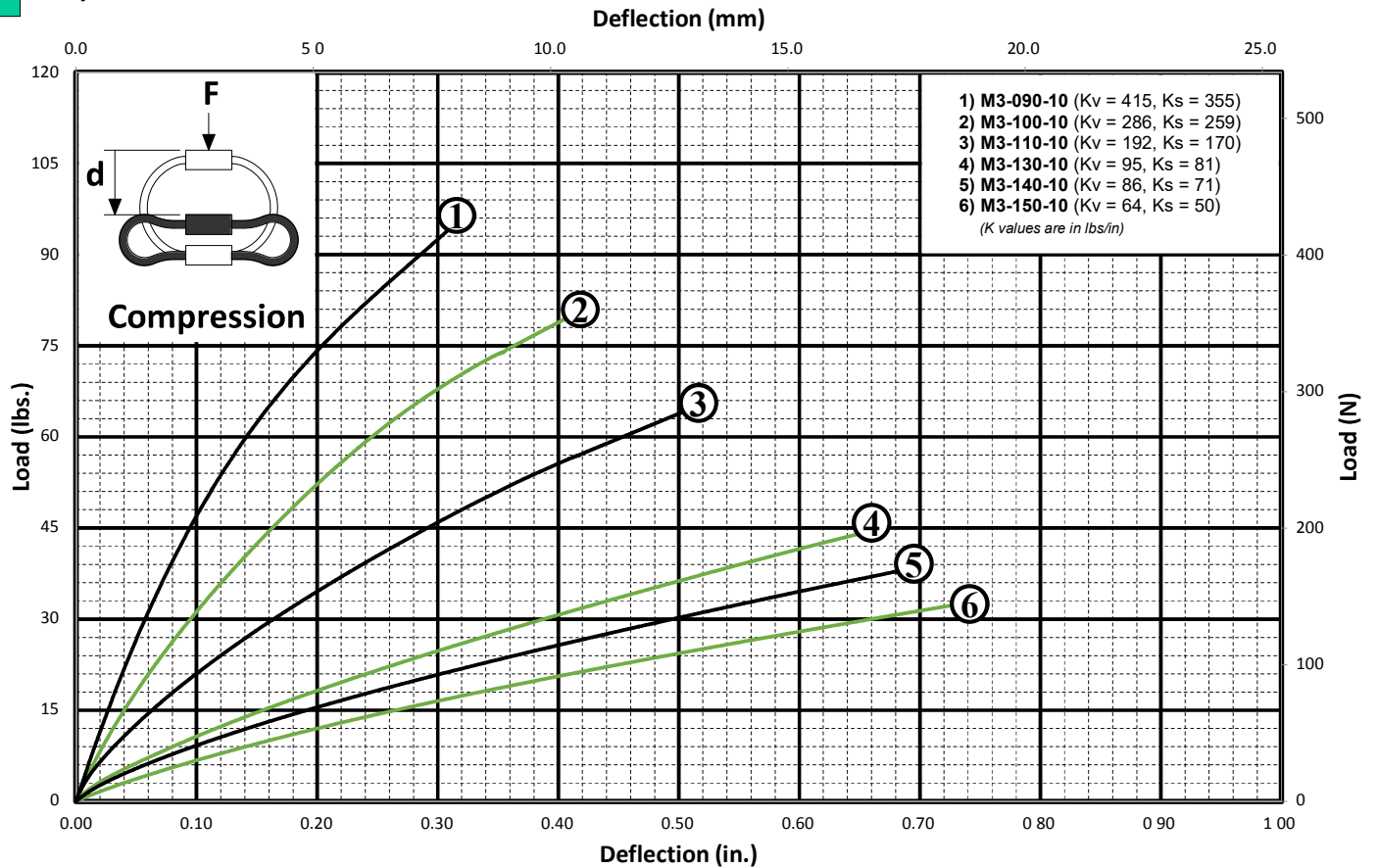


M3 SERIES

3/32" DIAMETER CABLE

Design Data Sheet

Helical Isolator





M3 SERIES

3/32" DIAMETER CABLE

Design Data Sheet

Helical Isolator

