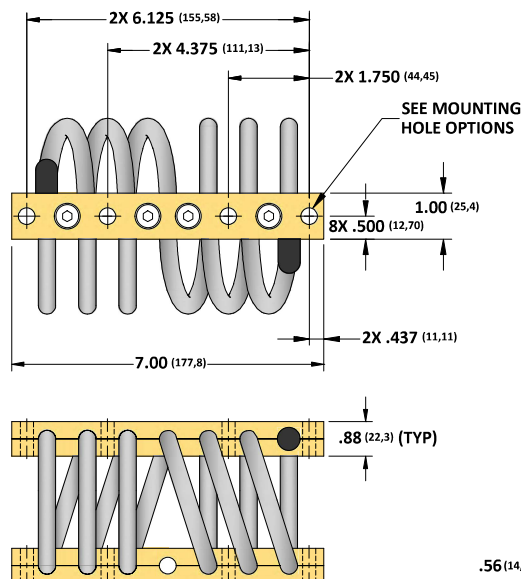




PART NUMBER	DIMENSIONS in (mm)		ISOLATOR WEIGHT lbs (kg)	COMPRESSION			SHEAR/ROLL (AVG)		
	H ±.06	W (REF)		Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)	Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)
M18A-350-08-[]	3.50 (88,9)	4.13 (104,9)	3.30 (1.50)	3035	2112	1.60	1582	1230	1.60
M18A-375-08-[]	3.75 (95,3)	4.25 (108,0)	3.60 (1.64)	2898	1884	1.85	884	1030	1.85
M18A-400-08-[]	4.00 (101,6)	4.88 (124,0)	3.90 (1.77)	2160	1314	2.10	666	747	2.10
M18A-450-08-[]	4.50 (114,3)	5.38 (136,7)	4.30 (1.95)	1338	826	2.60	408	480	2.60
M18A-515-08-[]	5.15 (130,8)	5.78 (146,8)	4.70 (2.13)	953	573	3.25	308	366	3.25
M18A-565-08-[]	5.65 (143,5)	6.25 (158,8)	5.20 (2.36)	676	435	3.75	212	297	3.75
M18A-635-08-[]	6.35 (161,3)	7.23 (183,6)	5.70 (2.59)	492	276	4.45	115	176	4.45

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 1.13lbs (.51kg) 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 PASSIVATED IAW ASTM A967
- INSERTS: 300 SERIES SS (ALUM BARS ONLY)
- RETAINER BARS: SEE BELOW

MODEL NUMBER EXAMPLE

M18A - 450 - 08 - H - 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

- 6 LOOPS STANDARD FOR THE M18A SERIES.
- ISOLATOR SPRING RATES ARE DIRECTLY PROPORTIONAL TO NO. OF CABLE LOOPS.

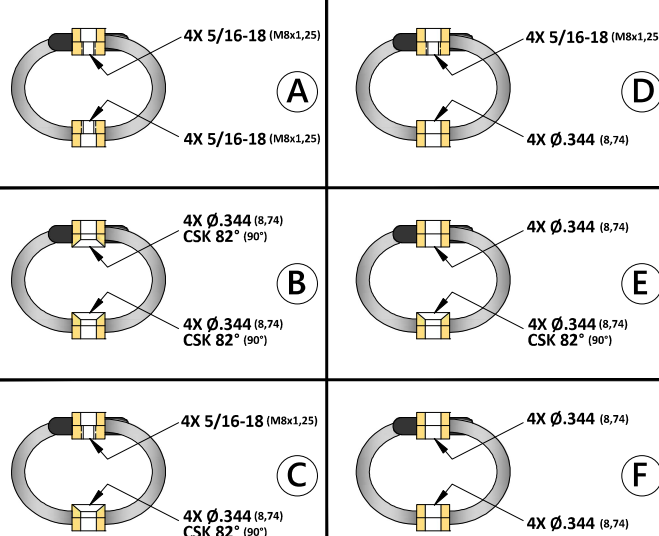
MODEL SIZE

- BASED ON ISOLATOR HEIGHT

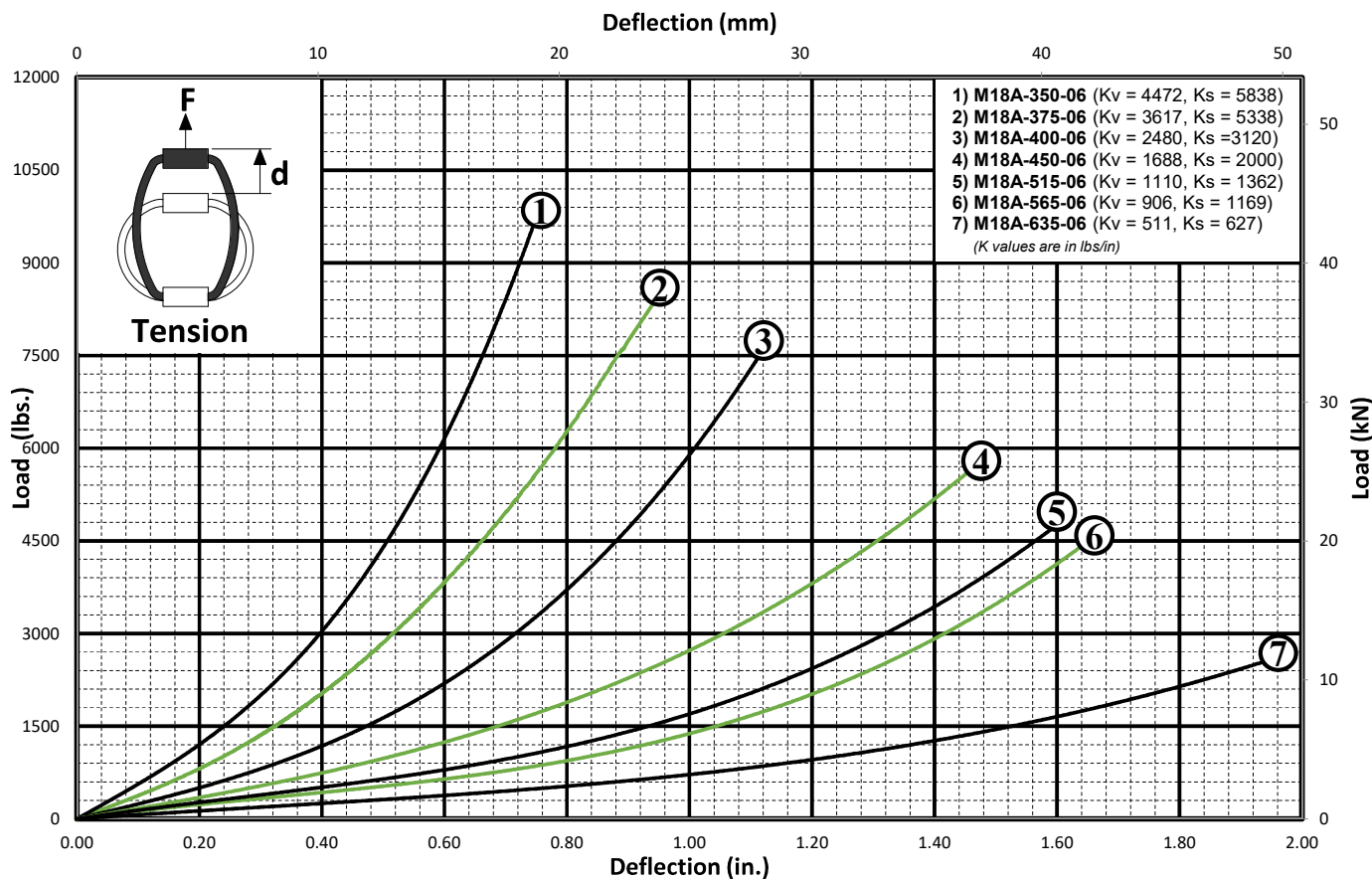
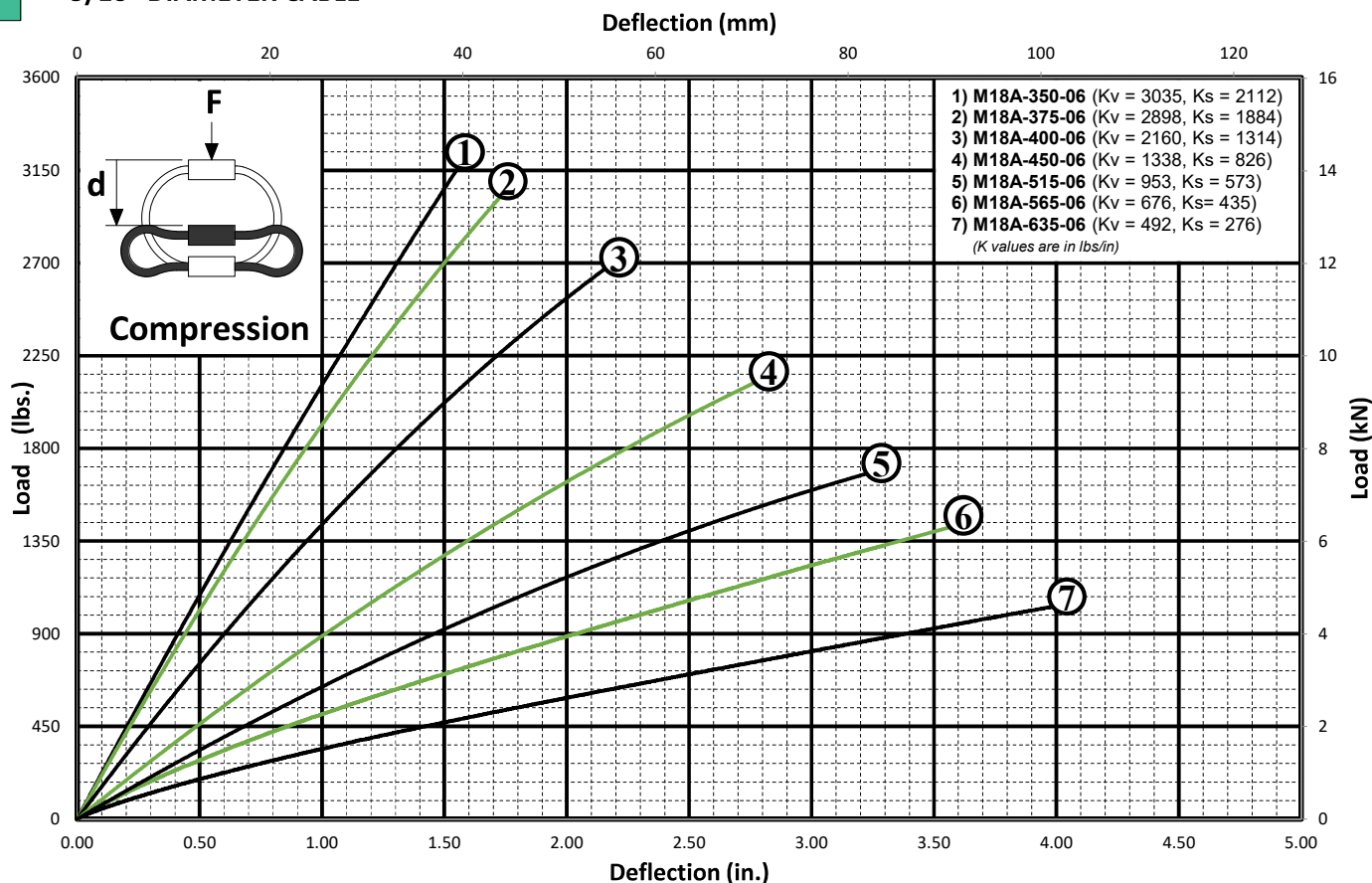
SERIES

- CABLE DIAMETER IN 32NDS

MOUNTING HOLE OPTIONS



9/16" DIAMETER CABLE



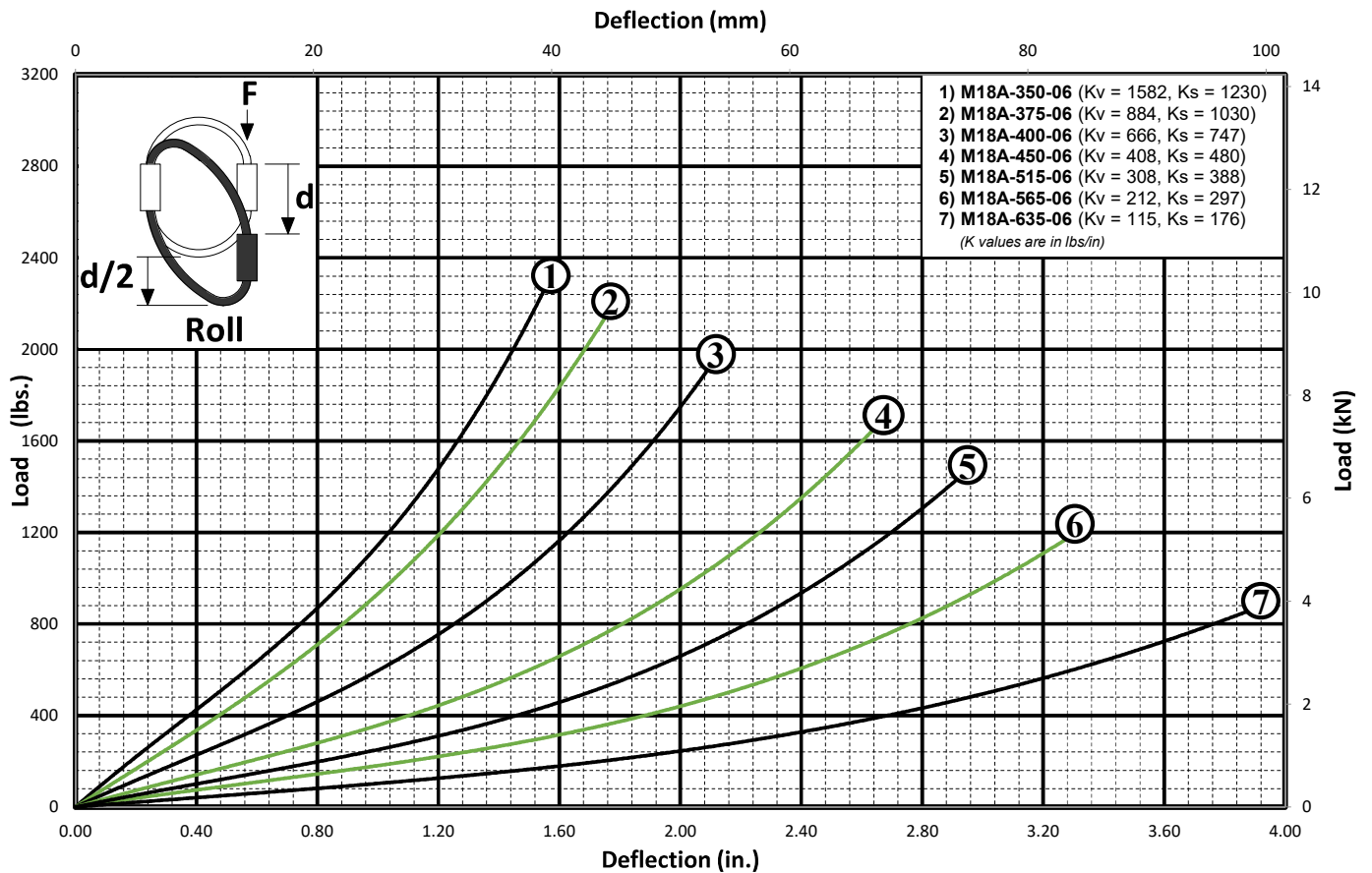
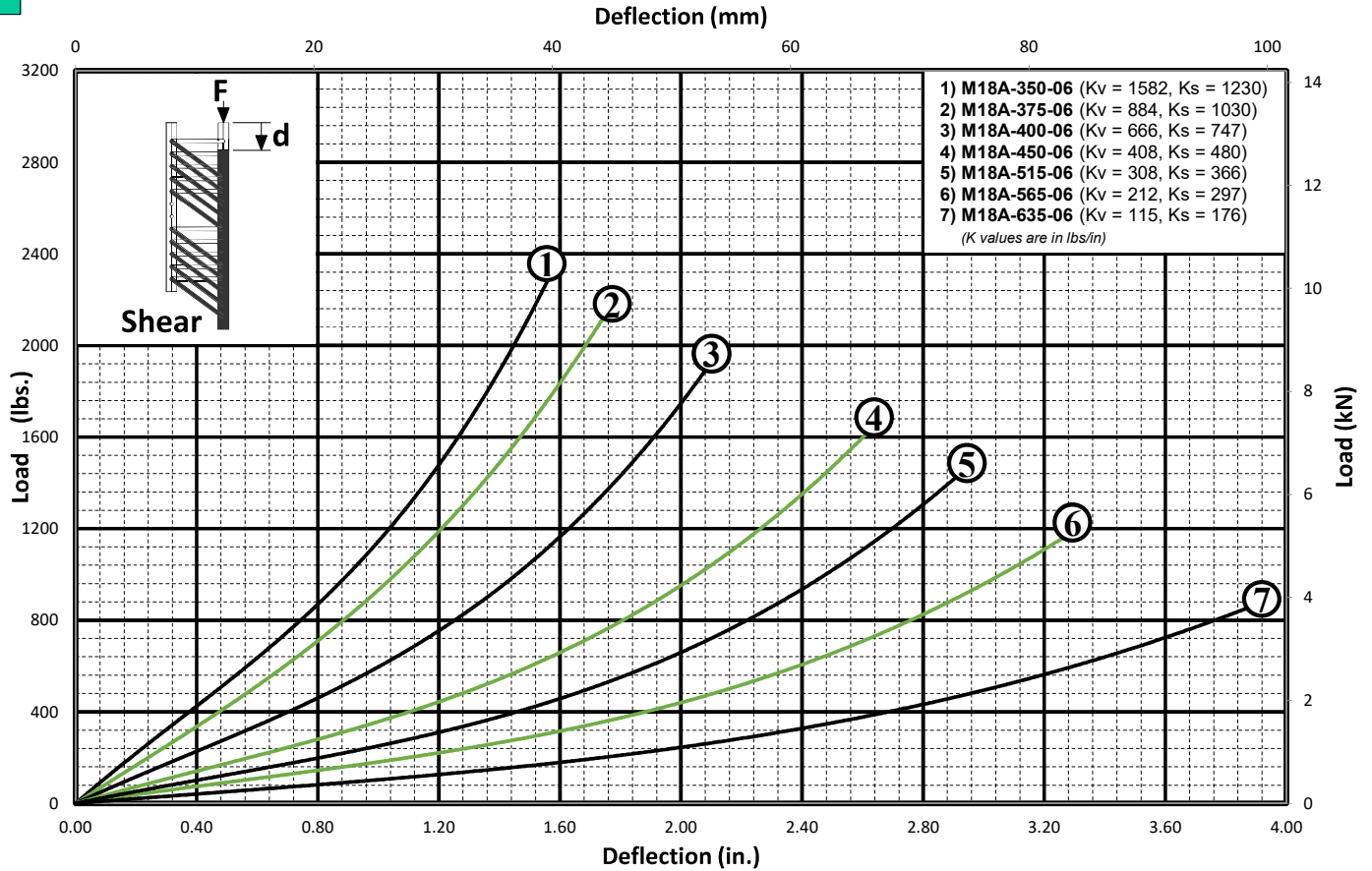


M18A SERIES

9/16" DIAMETER CABLE

Design Data Sheet

Helical Isolator



9/16" DIAMETER CABLE

