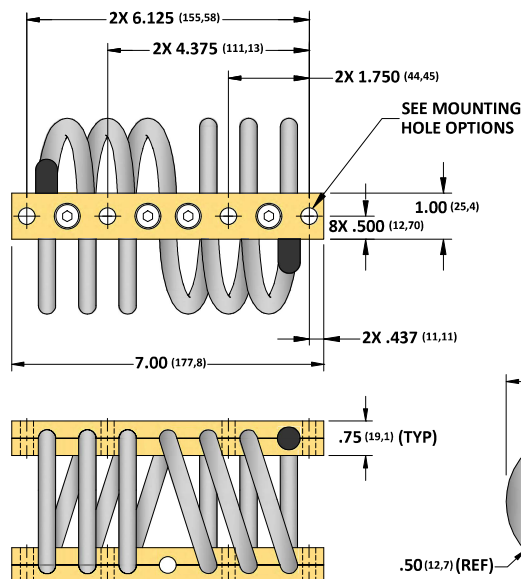


Helical Isolator



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)
M16A-325-06-[]	3.25 (82,6)	4.00 (101,9)	2.78 (1.26)	1865	1257	1.40	965	733	1.40
M16A-350-06-[]	3.50 (88,9)	4.13 (104,9)	2.80 (1.27)	1767	1122	1.65	539	614	1.65
M16A-375-06-[]	3.75 (95,3)	4.75 (120,7)	3.08 (1.40)	1318	783	1.90	406	446	1.90
M16A-425-06-[]	4.25 (108,0)	5.25 (133,4)	3.45 (1.57)	816	492	2.40	249	287	2.40
M16A-490-06-[]	4.90 (124,5)	5.65 (143,5)	3.75 (1.70)	581	341	3.05	188	218	3.05
M16A-540-06-[]	5.40 (137,2)	6.13 (157,7)	4.07 (1.85)	412	259	3.55	130	177	3.55
M16A-610-06-[]	6.10 (154,9)	7.10 (180,3)	4.61 (2.09)	300	165	4.25	70	105	4.25

NOTES, FEATURES, MATERIALS/FINISHES

NOTES:

- MOUNTING HOLE TOLERANCES: ± 0.010 ($\pm 0.25\text{mm}$).
- ALL DIMENSIONS IN PARENTHESIS ARE METRIC (mm).
- SPECIALS AVAILABLE UPON REQUEST (MATERIALS, SIZE, MOUNTING HOLES, FINISH, ETC...)
- ADD 1.18lbs (.53kg) 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

M16A - 425 - 06 - S - 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

- 6 LOOPS STANDARD FOR THE M16A SERIES.
- ISOLATOR SPRING RATES ARE DIRECTLY PROPORTIONAL TO NO. OF CABLE LOOPS.

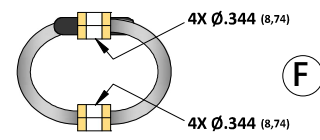
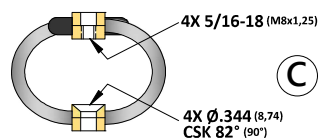
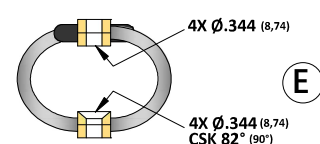
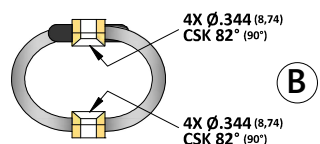
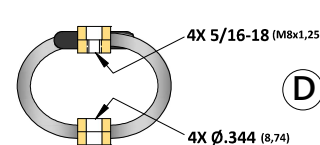
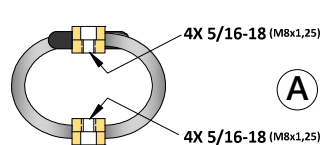
MODEL SIZE

- **BASED ON ISOLATOR HEIGHT**

SERIES

- CABLE DIAMETER IN 32NDS

MOUNTING HOLE OPTIONS



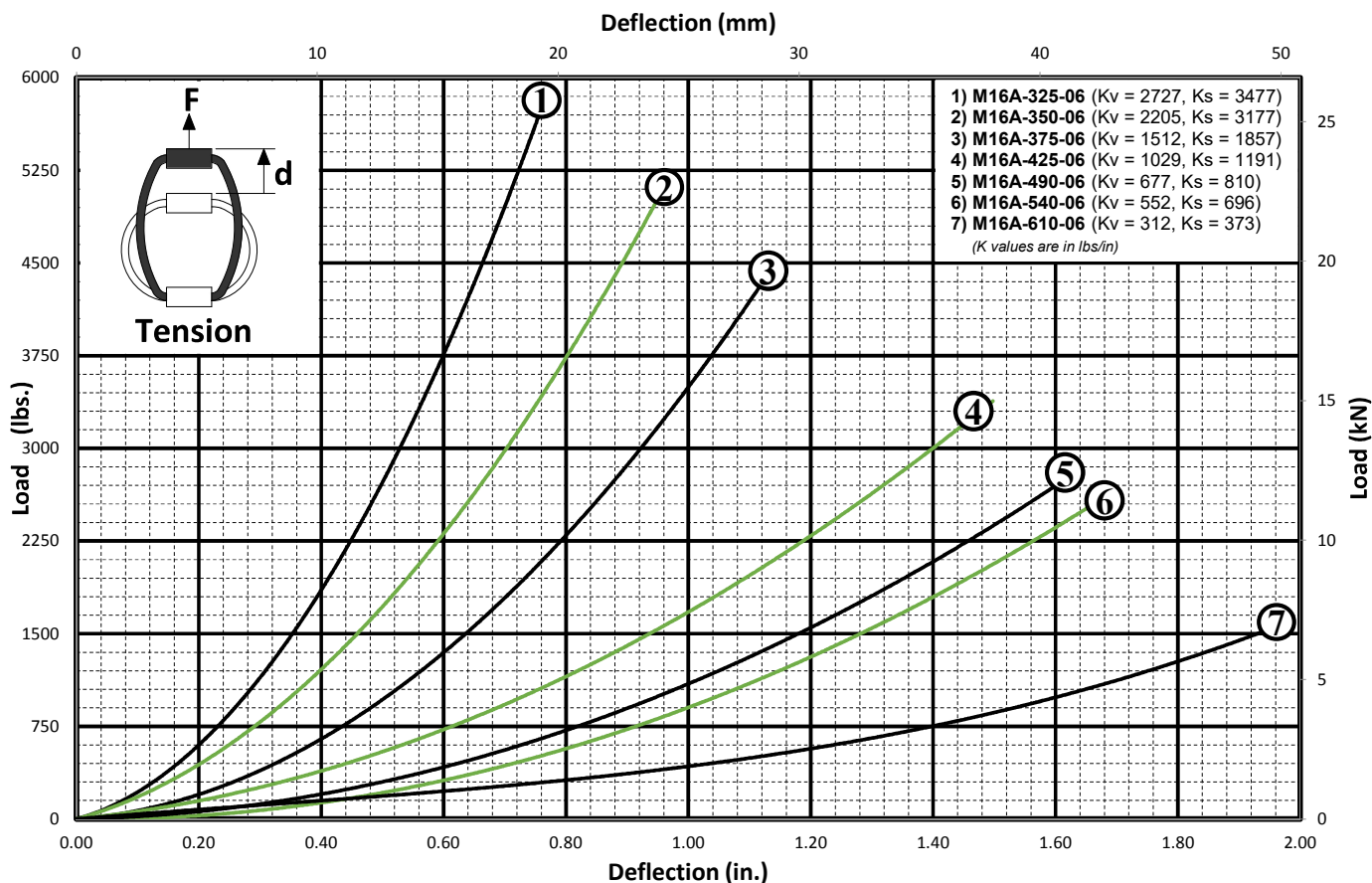
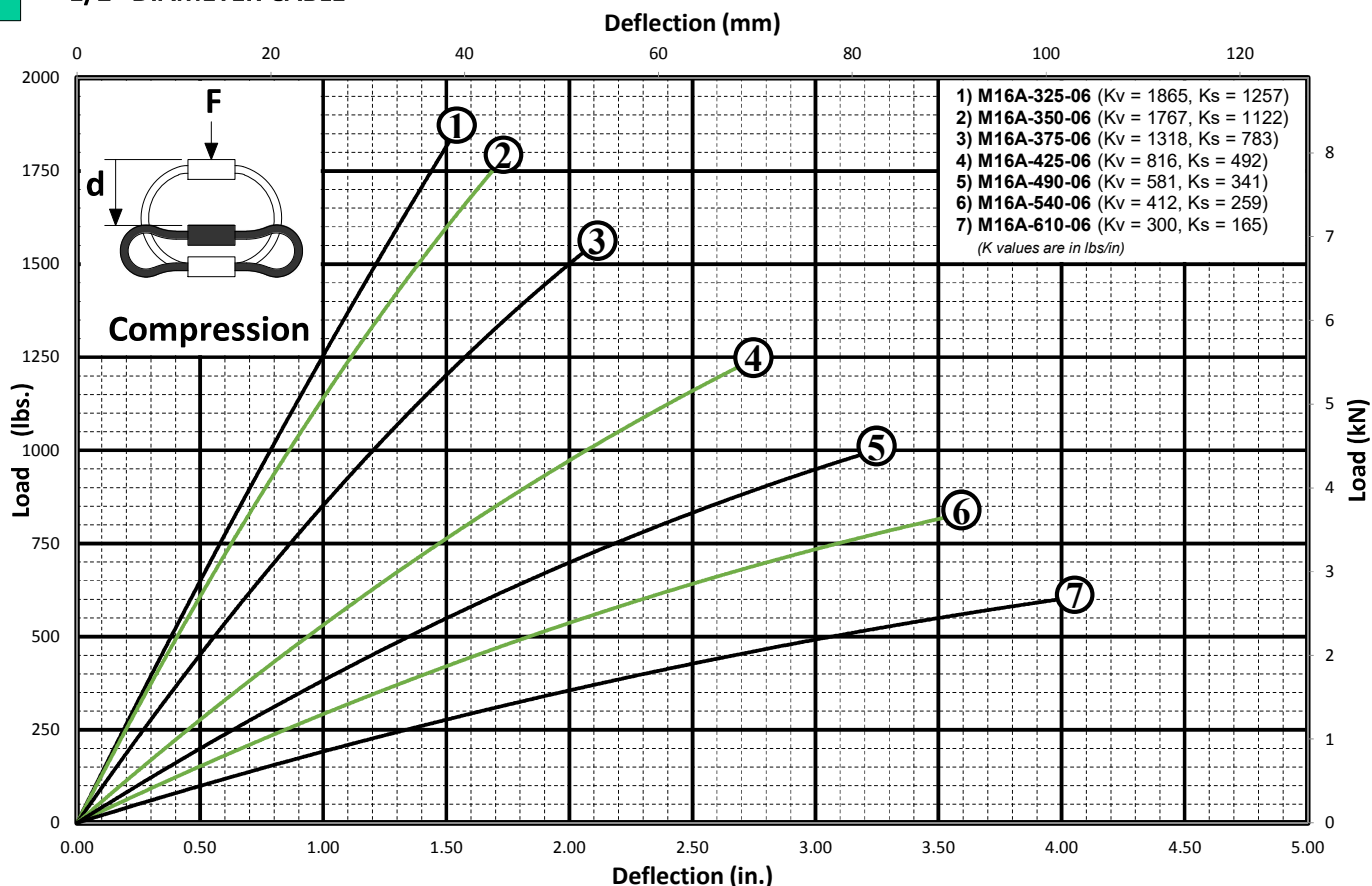


M16A SERIES

Design Data Sheet

1/2" DIAMETER CABLE

Helical Isolator



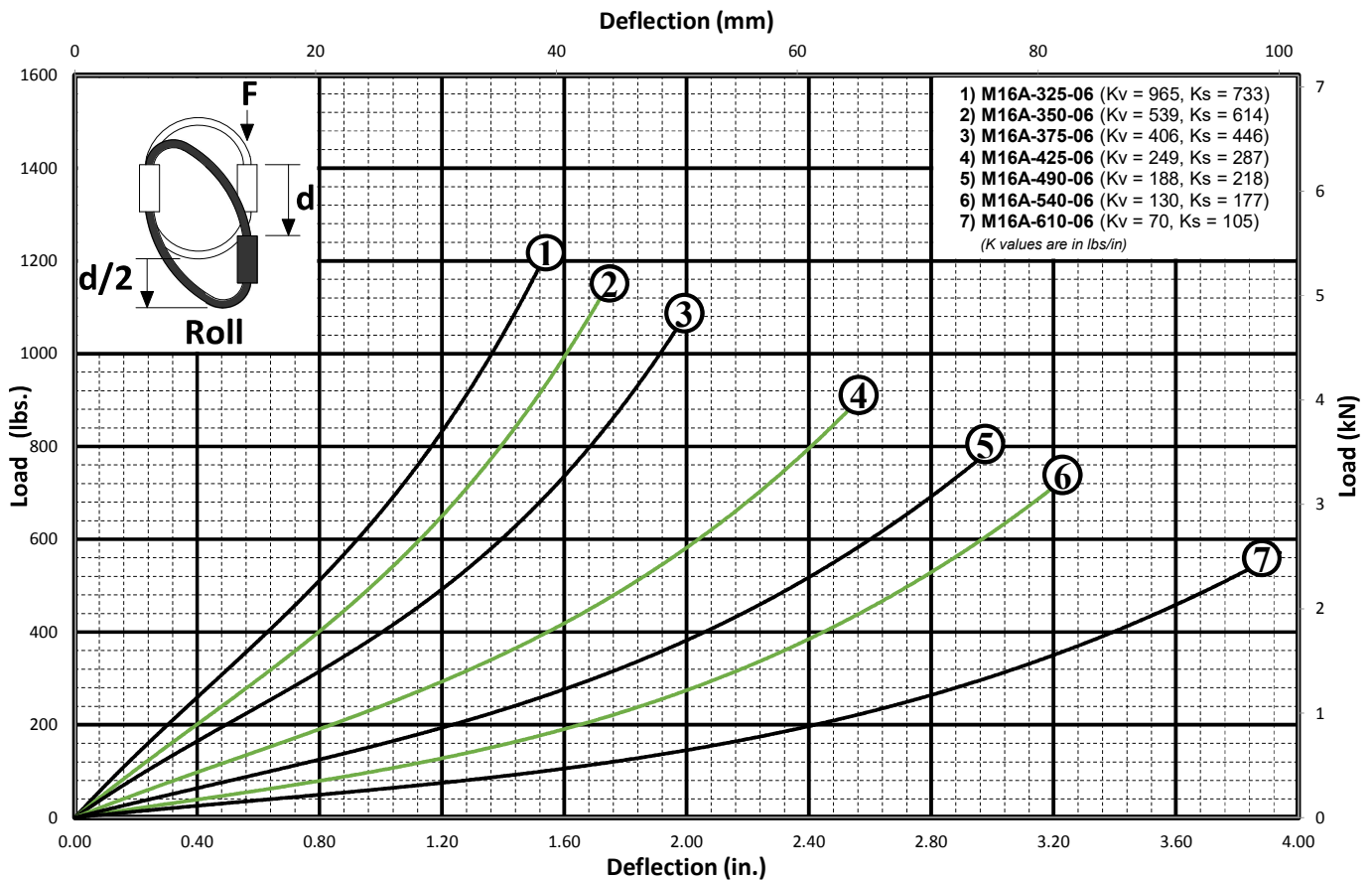
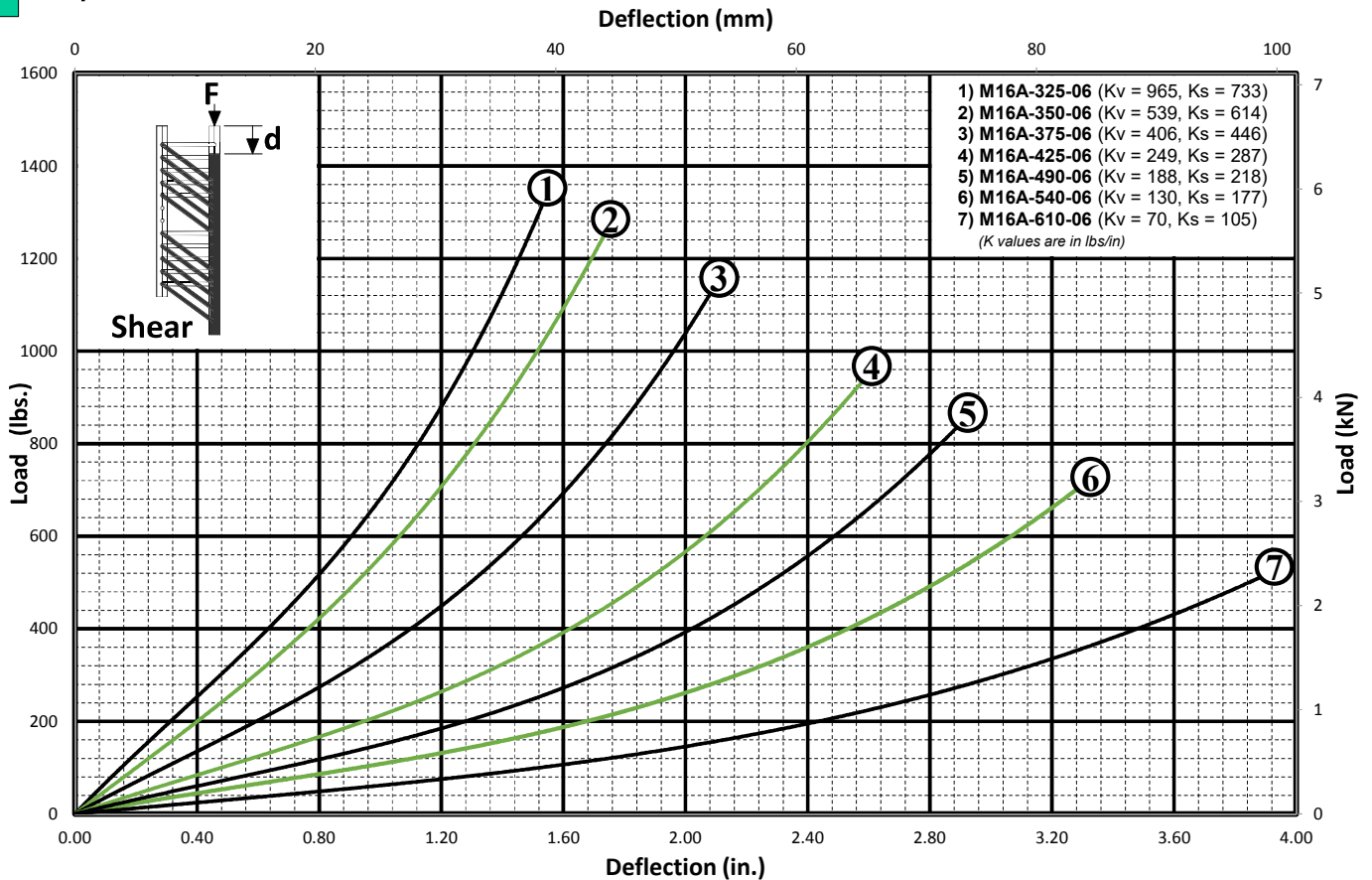


M16A SERIES

Design Data Sheet

1/2" DIAMETER CABLE

Helical Isolator





M16A SERIES

Design Data Sheet

1/2" DIAMETER CABLE

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