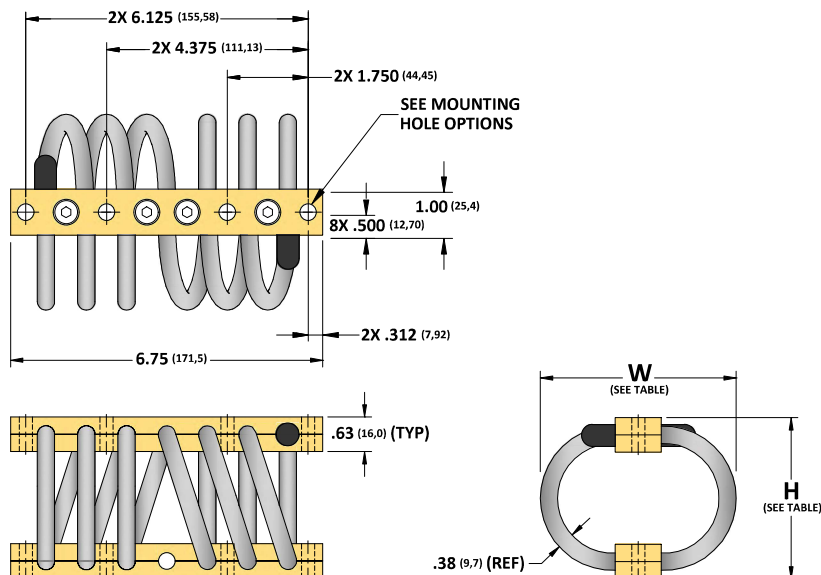


3/8" DIAMETER CABLE

Helical Isolator



PART NUMBER	DIMENSIONS in (mm)		ISOLATOR WEIGHT lbs (kg)	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)
M12A-280-06-[]	2.80 (71,1)	3.31 (84,1)	1.74 (.79)	1292	822	1.25	380	549	1.25
M12A-290-06-[]	2.90 (73,7)	3.50 (88,9)	1.77 (.80)	1127	702	1.35	336	398	1.35
M12A-300-06-[]	3.00 (76,2)	4.13 (104,9)	1.91 (.87)	991	578	1.45	320	346	1.45
M12A-325-06-[]	3.25 (82,6)	4.25 (108,0)	1.97 (.90)	802	473	1.70	316	303	1.70
M12A-350-06-[]	3.50 (88,9)	4.25 (108,0)	2.04 (.93)	765	431	1.95	244	265	1.95
M12A-413-06-[]	4.13 (104,9)	4.75 (120,7)	2.24 (1.02)	478	272	2.60	112	187	2.60
M12A-425-06-[]	4.25 (108,0)	5.50 (139,7)	2.44 (1.11)	360	192	2.70	107	118	2.70

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 1.11lbs (.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/Cc $\approx$.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

M12A - 325 - 06 - H - AM

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 M12A SERIES.
- ISOLATOR SPRING RATES ARE DIRECTLY PROPORTIONAL TO NO. OF CABLE LOOPS.

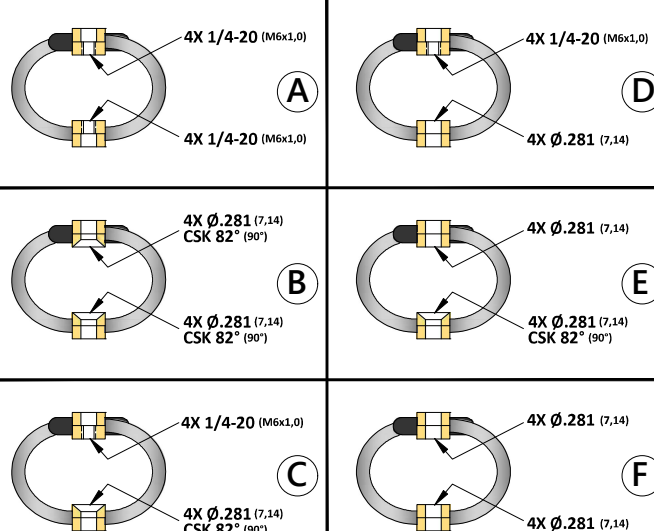
MODEL SIZE

- BASED ON ISOLATOR HEIGHT

SERIES

- CABLE DIAMETER IN 32NDS

MOUNTING HOLE OPTIONS



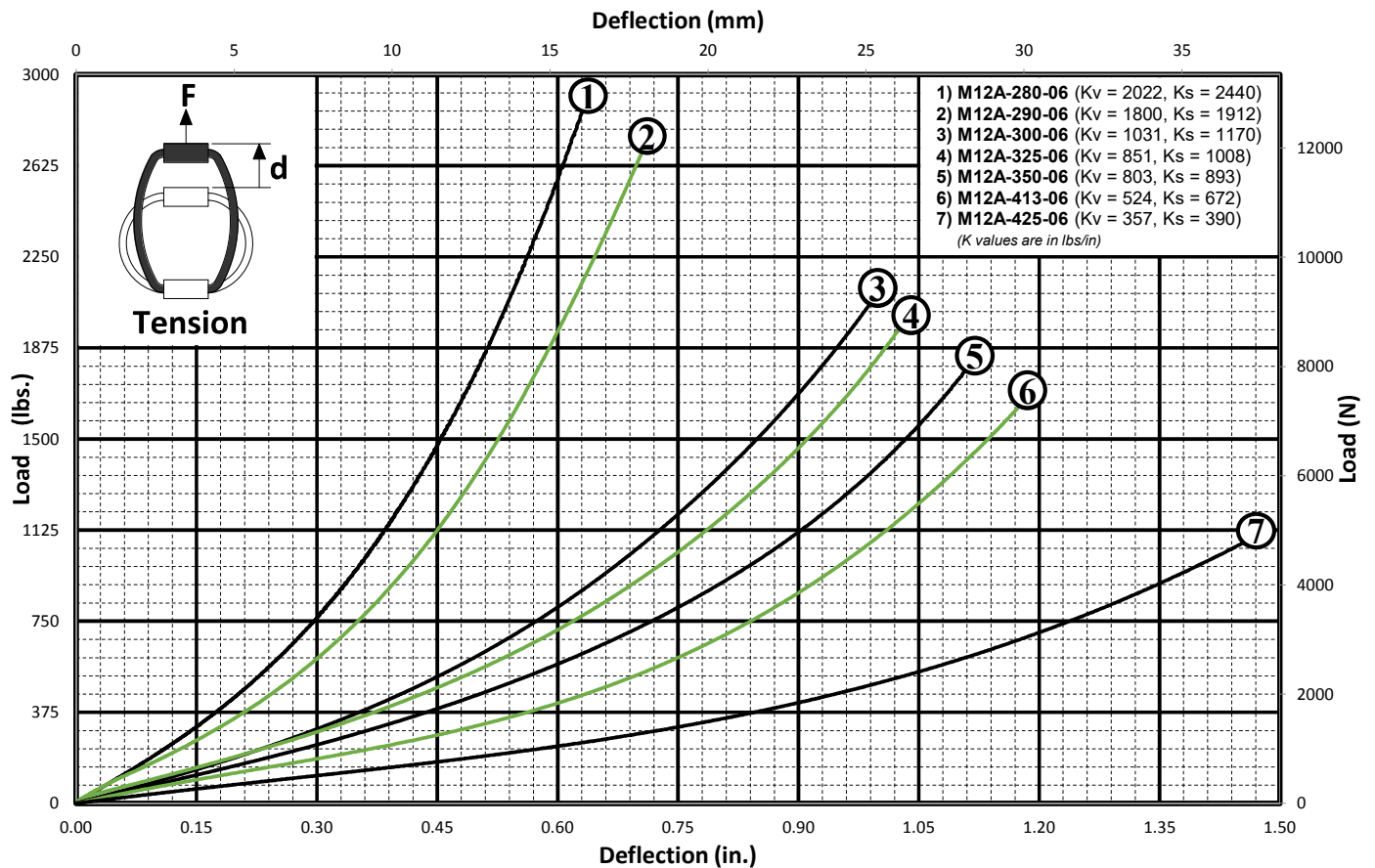
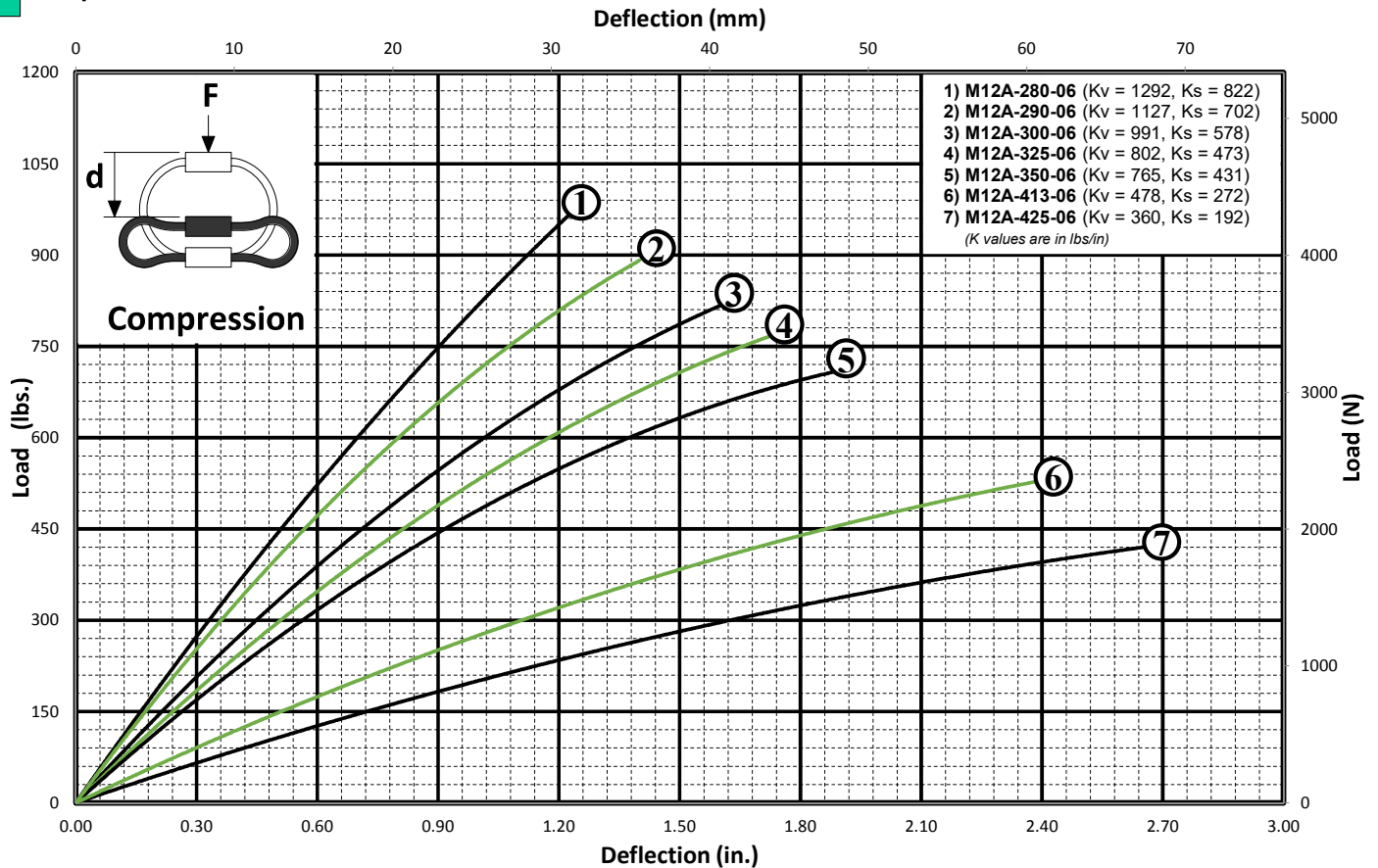


M12A SERIES

Design Data Sheet

3/8" DIAMETER CABLE

Helical Isolator



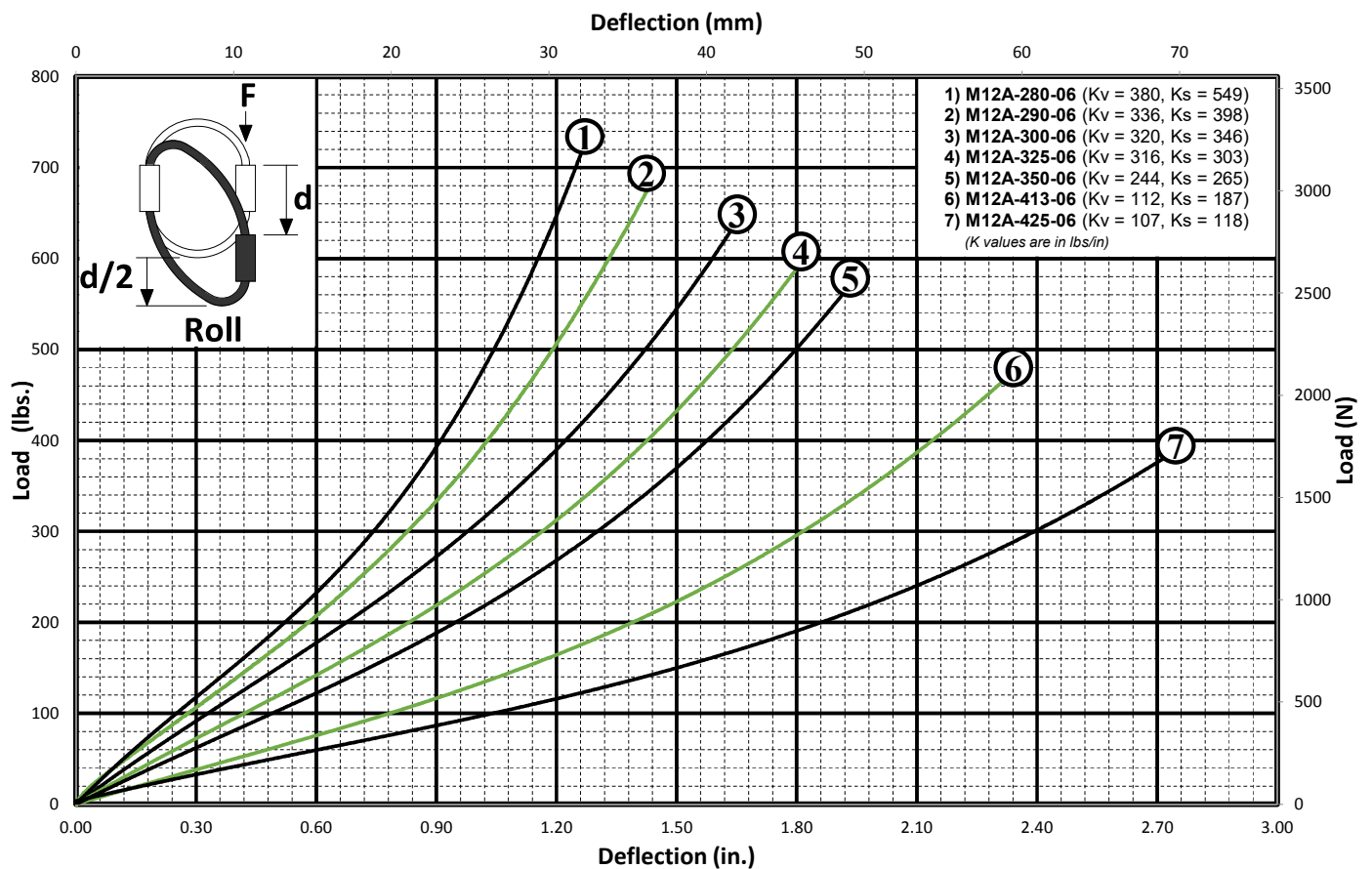
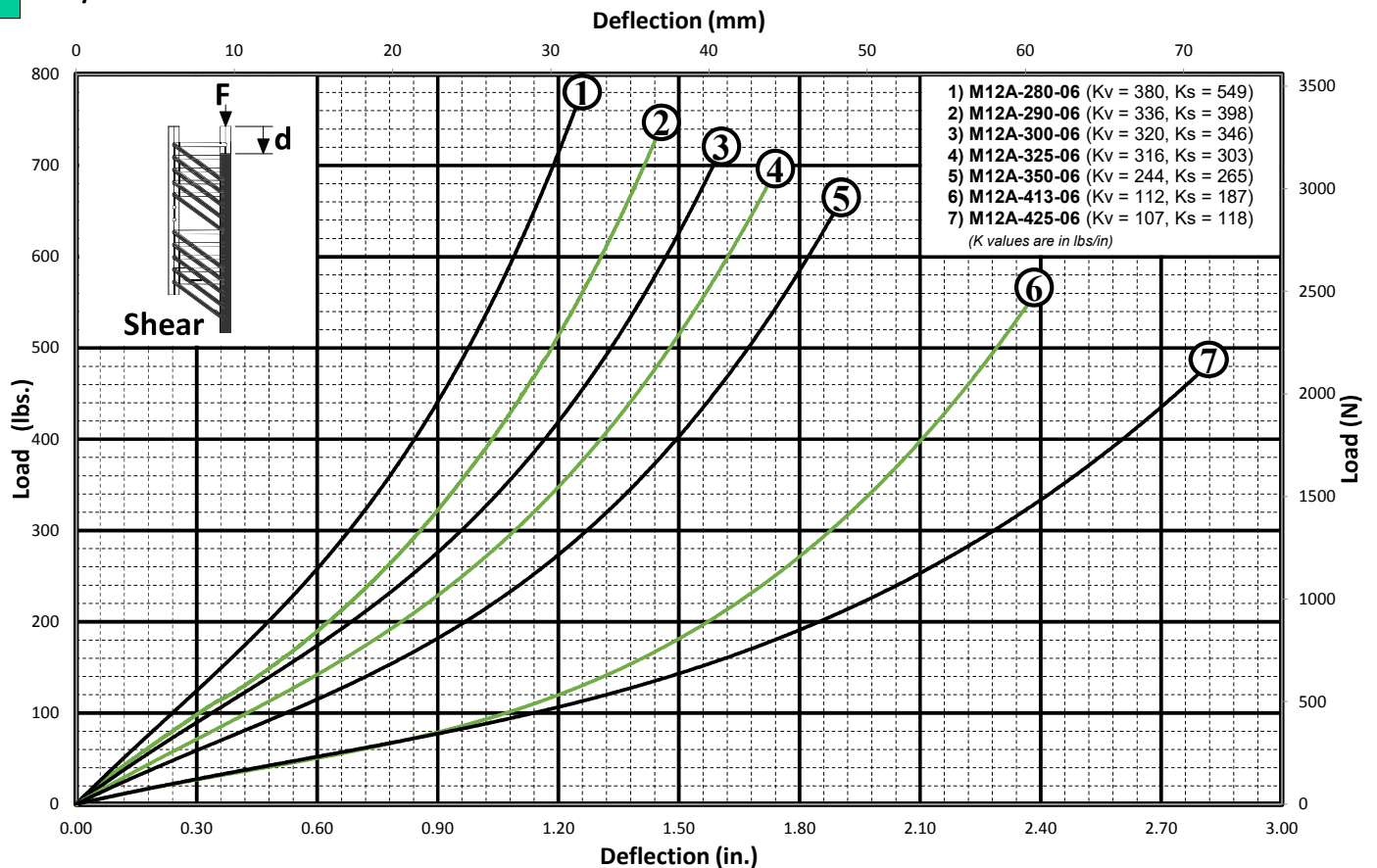


M12A SERIES

Design Data Sheet

3/8" DIAMETER CABLE

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