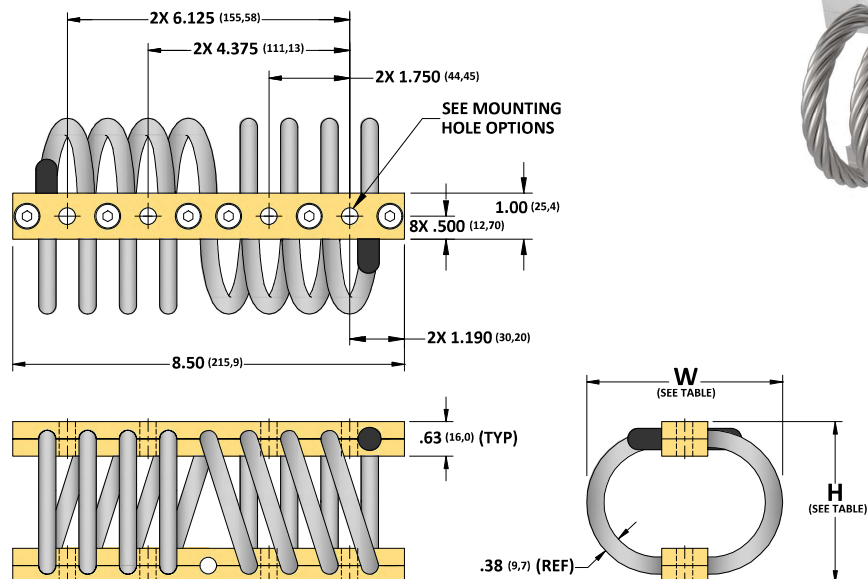




PART NUMBER	DIMENSIONS in (mm)		ISOLATOR WEIGHT lbs (kg)	COMPRESSION			SHEAR/ROLL (AVG)		
	H ±.03	W (REF)		Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)	Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)
M12-280-08-[]	2.80 (71,1)	3.31 (84,1)	2.32 (1.05)	1722	1096	1.25	506	732	1.25
M12-290-08-[]	2.90 (73,7)	3.50 (88,9)	2.36 (1.07)	1503	936	1.35	449	531	1.35
M12-300-08-[]	3.00 (76,2)	4.13 (104,9)	2.54 (1.15)	1322	770	1.45	426	461	1.45
M12-325-08-[]	3.25 (82,6)	4.25 (108,0)	2.63 (1.19)	1069	630	1.70	422	404	1.70
M12-350-08-[]	3.50 (88,9)	4.25 (108,0)	2.72 (1.24)	1020	575	1.95	325	353	1.95
M12-413-08-[]	4.13 (104,9)	4.75 (120,7)	2.99 (1.36)	649	363	2.60	150	249	2.60
M12-425-08-[]	4.25 (108,0)	5.50 (139,7)	3.25 (1.48)	480	257	2.70	142	157	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 1.36lbs (.62kg) 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

M12 - 325 - 08 - 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

- 8 LOOPS STANDARD FOR THE M12 SERIES.
- ISOLATOR SPRING RATES ARE DIRECTLY PROPORTIONAL TO NO. OF CABLE LOOPS.

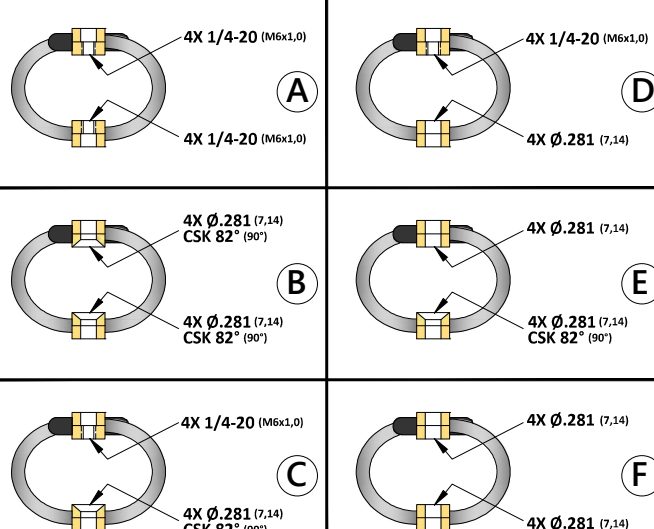
MODEL SIZE

- BASED ON ISOLATOR HEIGHT

SERIES

- CABLE DIAMETER IN 32NDS

MOUNTING HOLE OPTIONS



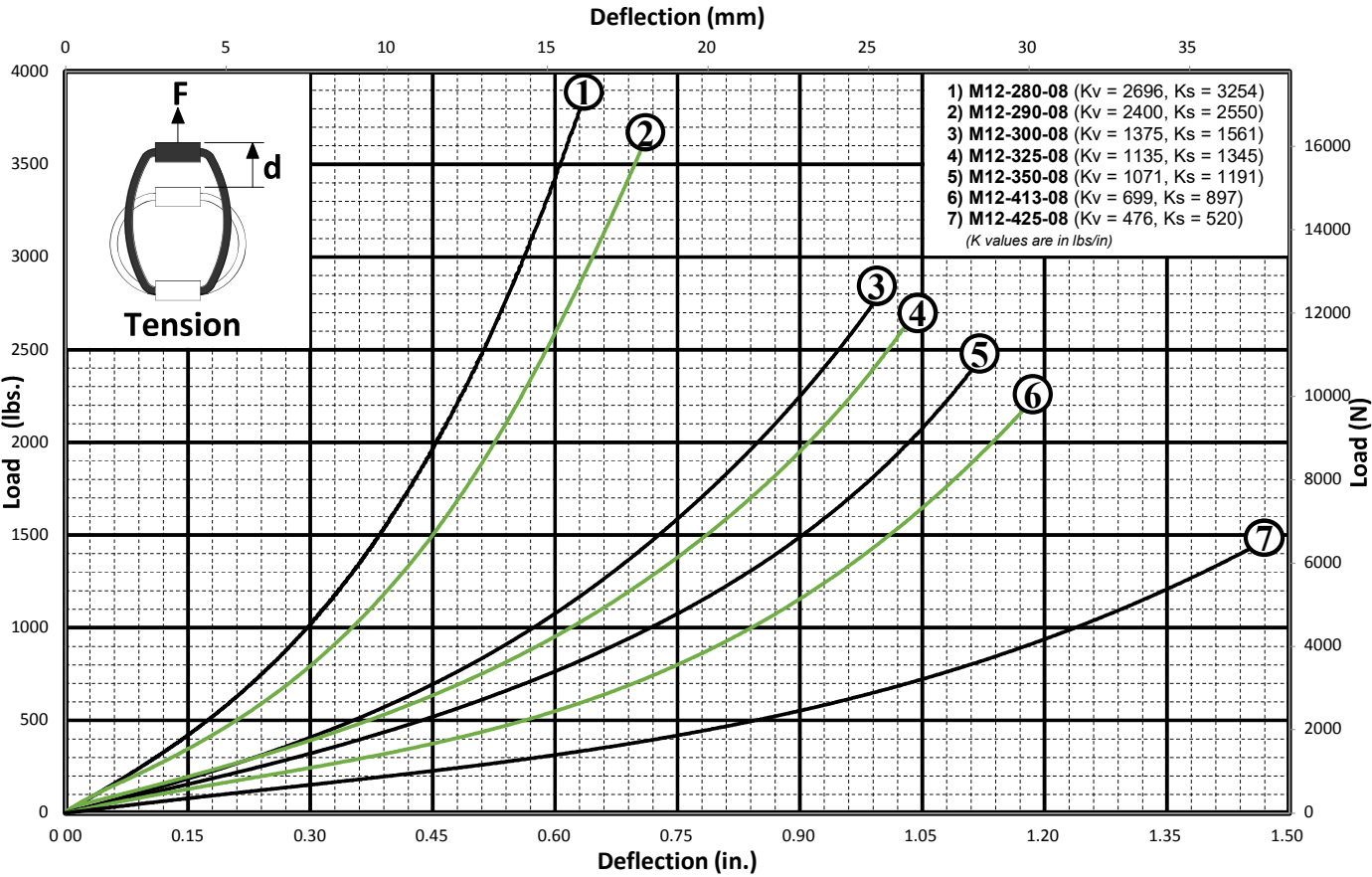
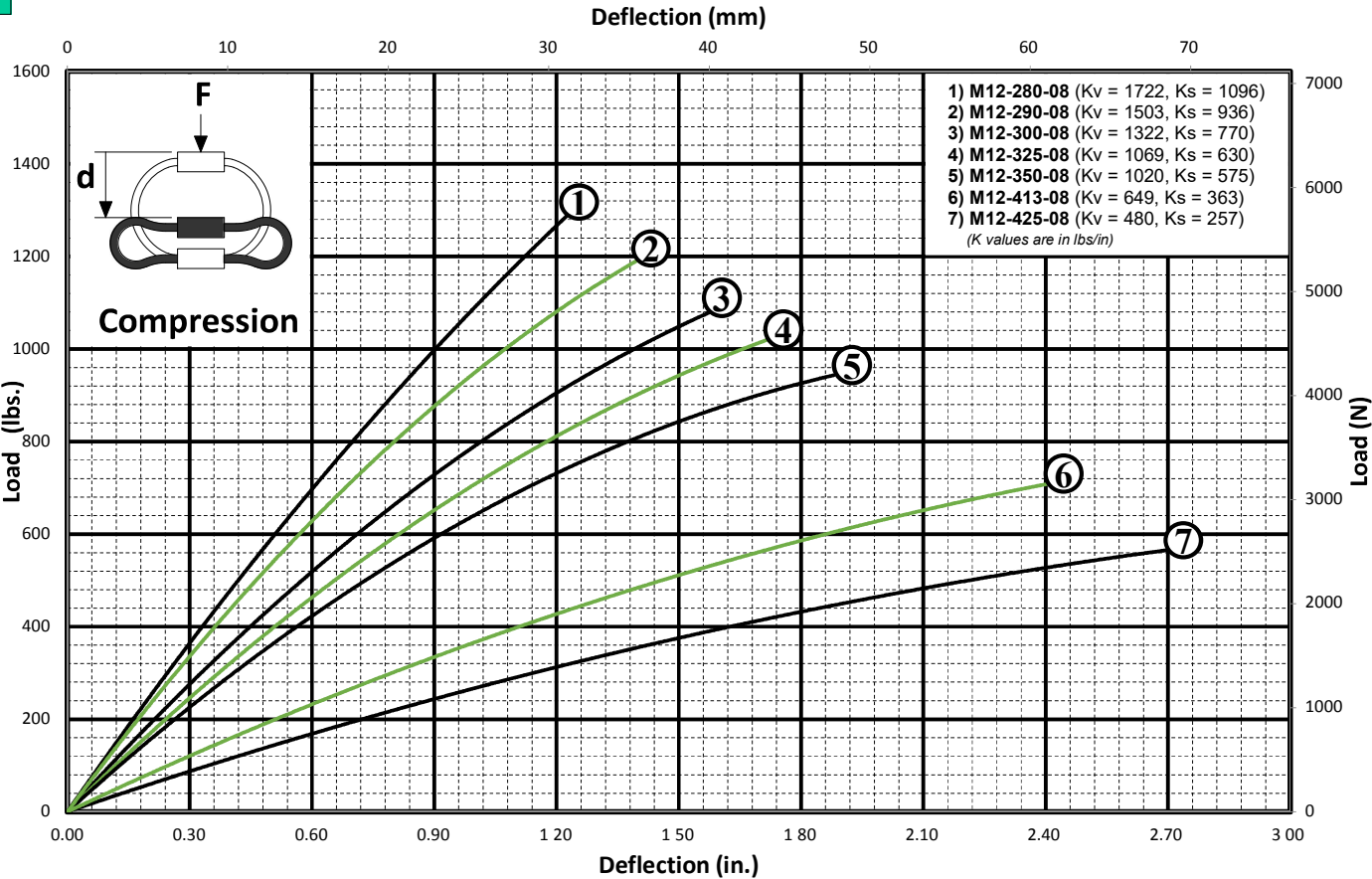


M12 SERIES

3/8" DIAMETER CABLE

Design Data Sheet

Helical Isolator



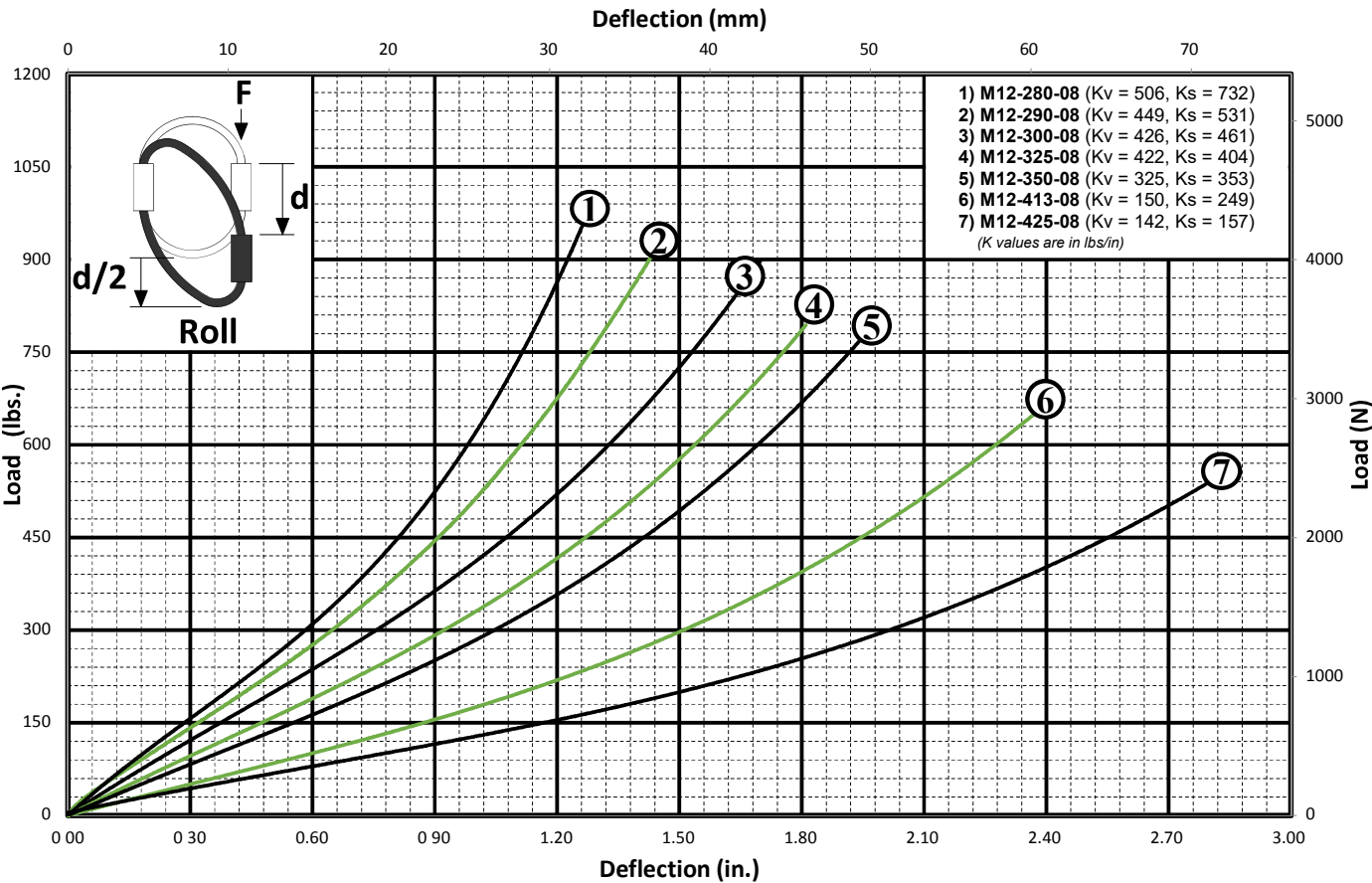
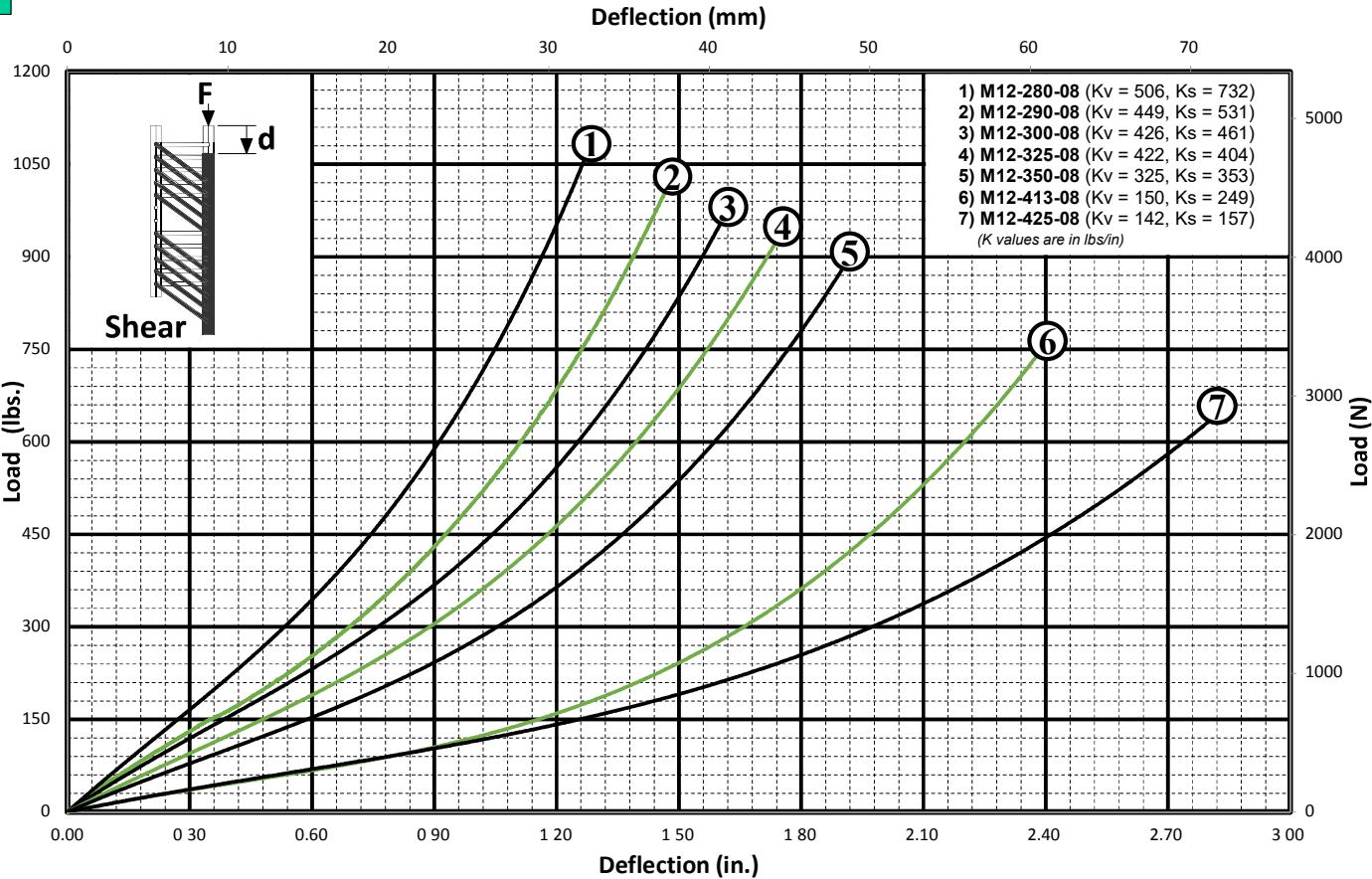


M12 SERIES

3/8" DIAMETER CABLE

Design Data Sheet

Helical Isolator





M12 SERIES

3/8" DIAMETER CABLE

Design Data Sheet

Helical Isolator

