

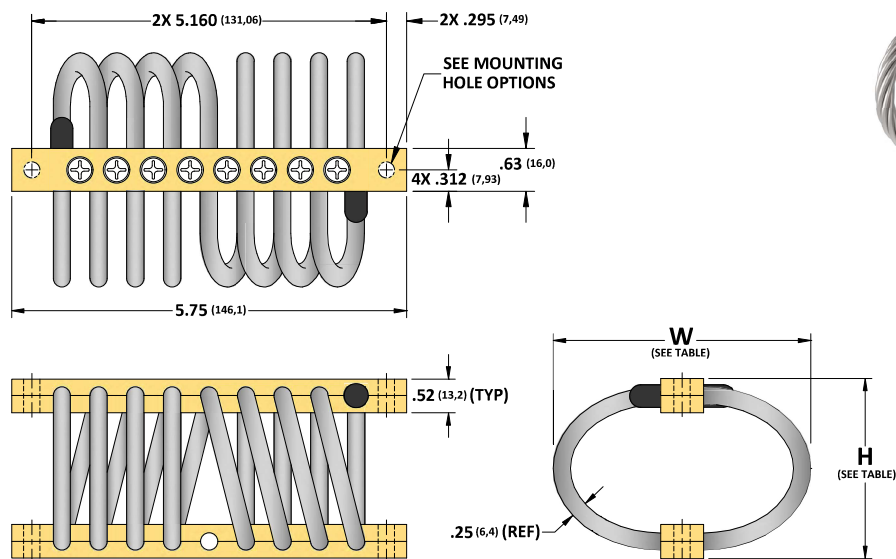
M

M8 SERIES

1/4" DIAMETER CABLE

Design Data Sheet

Helical Isolator



PART NUMBER	DIMENSIONS in (mm)		ISOLATOR WEIGHT oz (gms)	COMPRESSION			SHEAR/ROLL (AVG)		
	H $\pm .03$	W (REF)		Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)	Kv (VIBE) (lbs/in)	Ks (SHOCK) (lbs/in)	MAX. DEFLECT. (in)
M8-190-08-[]	1.90 (48,4)	2.20 (55,9)	11.2 (318)	1265	958	.70	391	433	.70
M8-213-08-[]	2.13 (54,1)	2.50 (63,5)	12.2 (346)	932	688	.90	383	316	.90
M8-231-08-[]	2.31 (58,7)	2.80 (71,1)	12.6 (358)	663	446	1.10	242	221	1.10
M8-245-08-[]	2.45 (62,2)	3.13 (79,5)	13.7 (389)	439	301	1.25	174	160	1.25
M8-255-08-[]	2.55 (64,8)	3.50 (88,9)	15.0 (426)	291	210	1.35	125	109	1.35
M8-260-08-[]	2.60 (66,0)	3.75 (95,3)	15.6 (443)	287	204	1.40	102	100	1.40
M8-270-08-[]	2.70 (68,6)	3.95 (100,3)	16.0 (454)	213	141	1.50	84	78	1.50
M8-325-08-[]	3.25 (82,6)	4.25 (108,0)	17.4 (494)	156	97	2.05	53	53	2.05

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 .45lbs (.20kg) 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

M8 - 255 - 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 M8 SERIES.
- ISOLATOR SPRING RATES ARE DIRECTLY PROPORTIONAL TO NO. OF CABLE LOOPS.

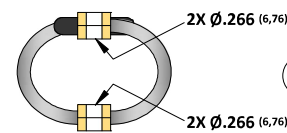
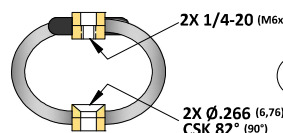
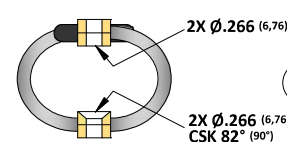
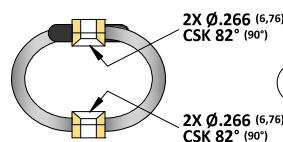
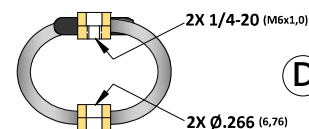
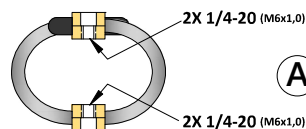
MODEL SIZE

- BASED ON ISOLATOR HEIGHT

SERIES

- CABLE DIAMETER IN 32NDS

MOUNTING HOLE OPTIONS



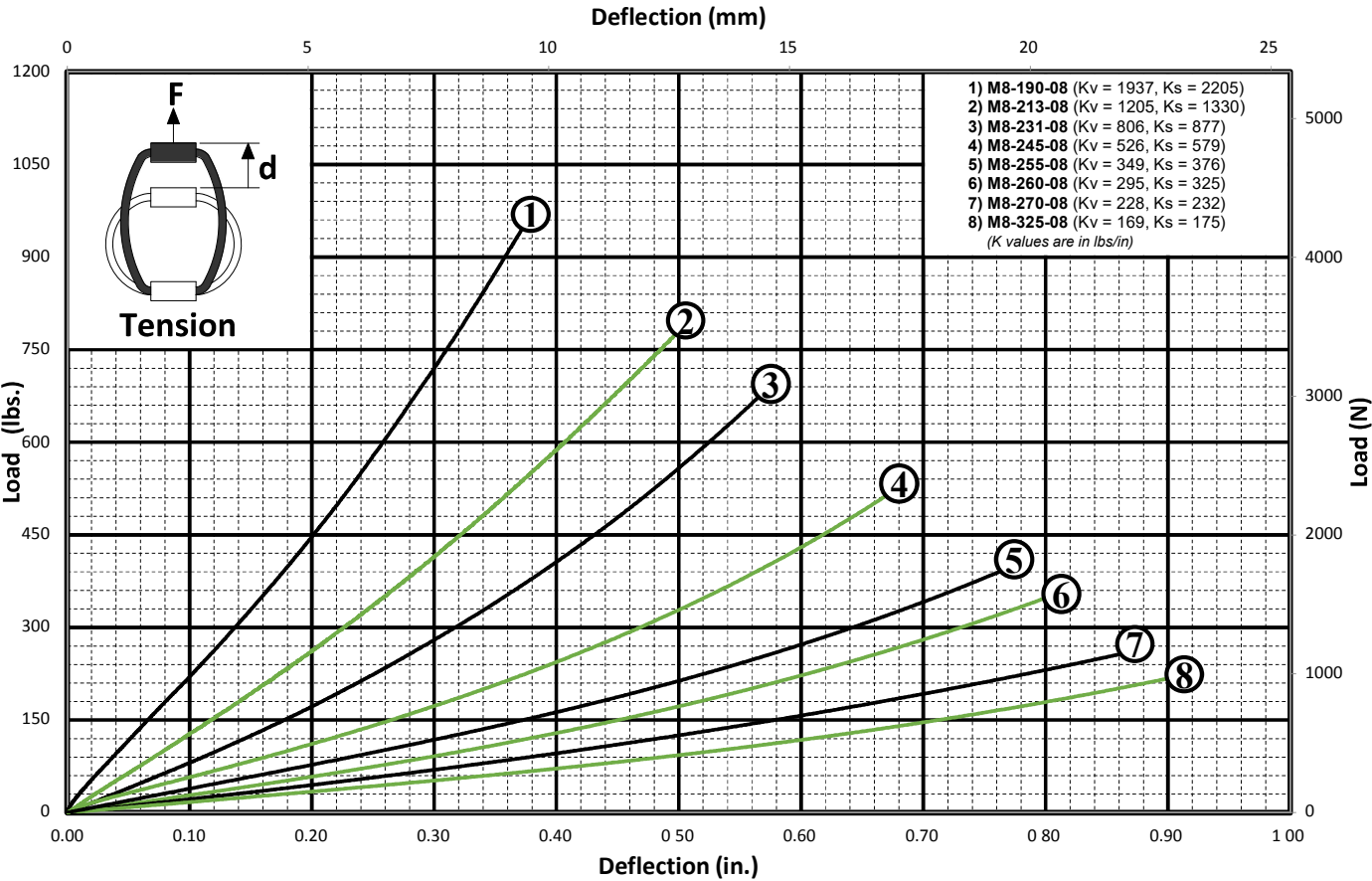
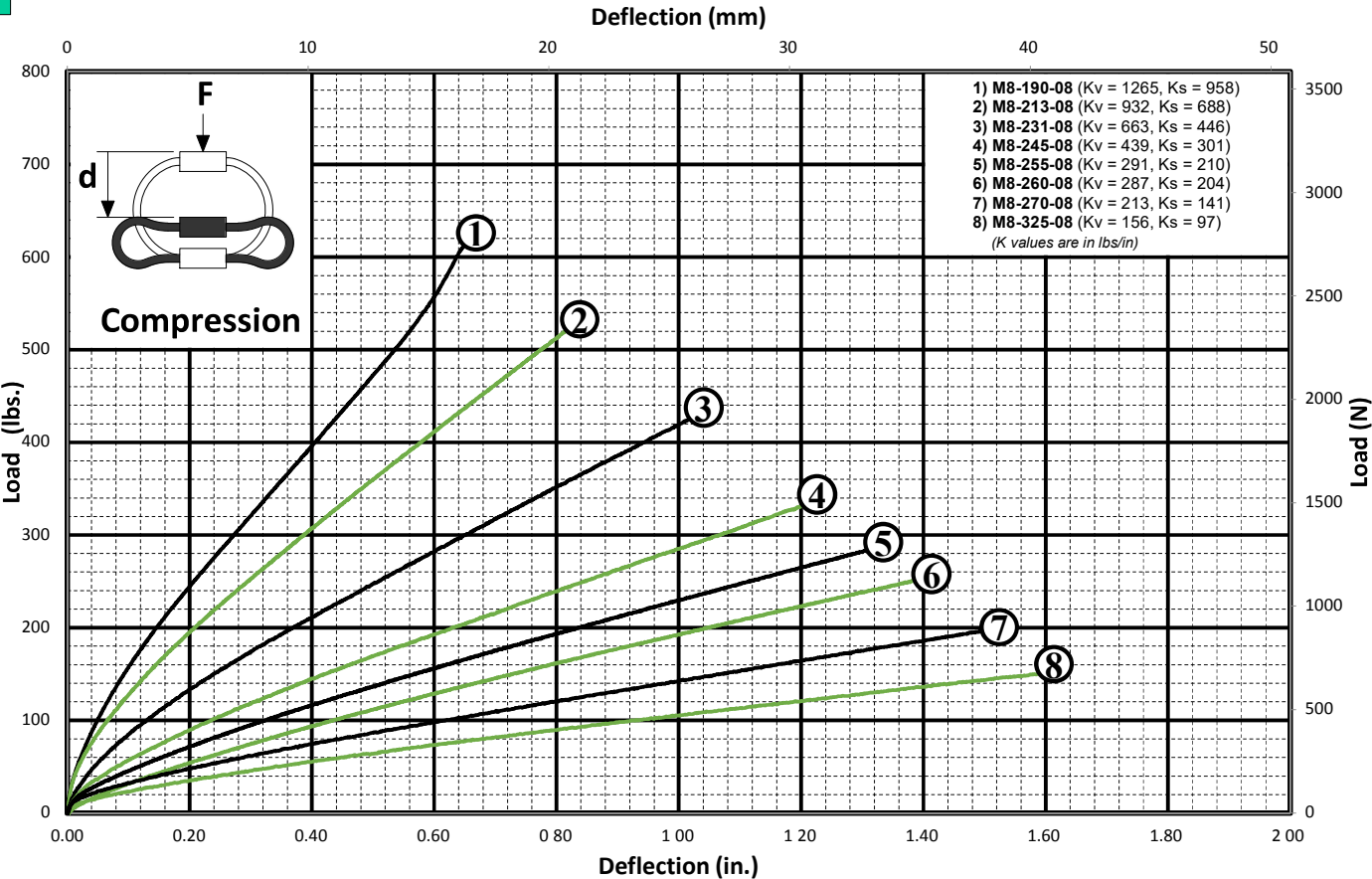


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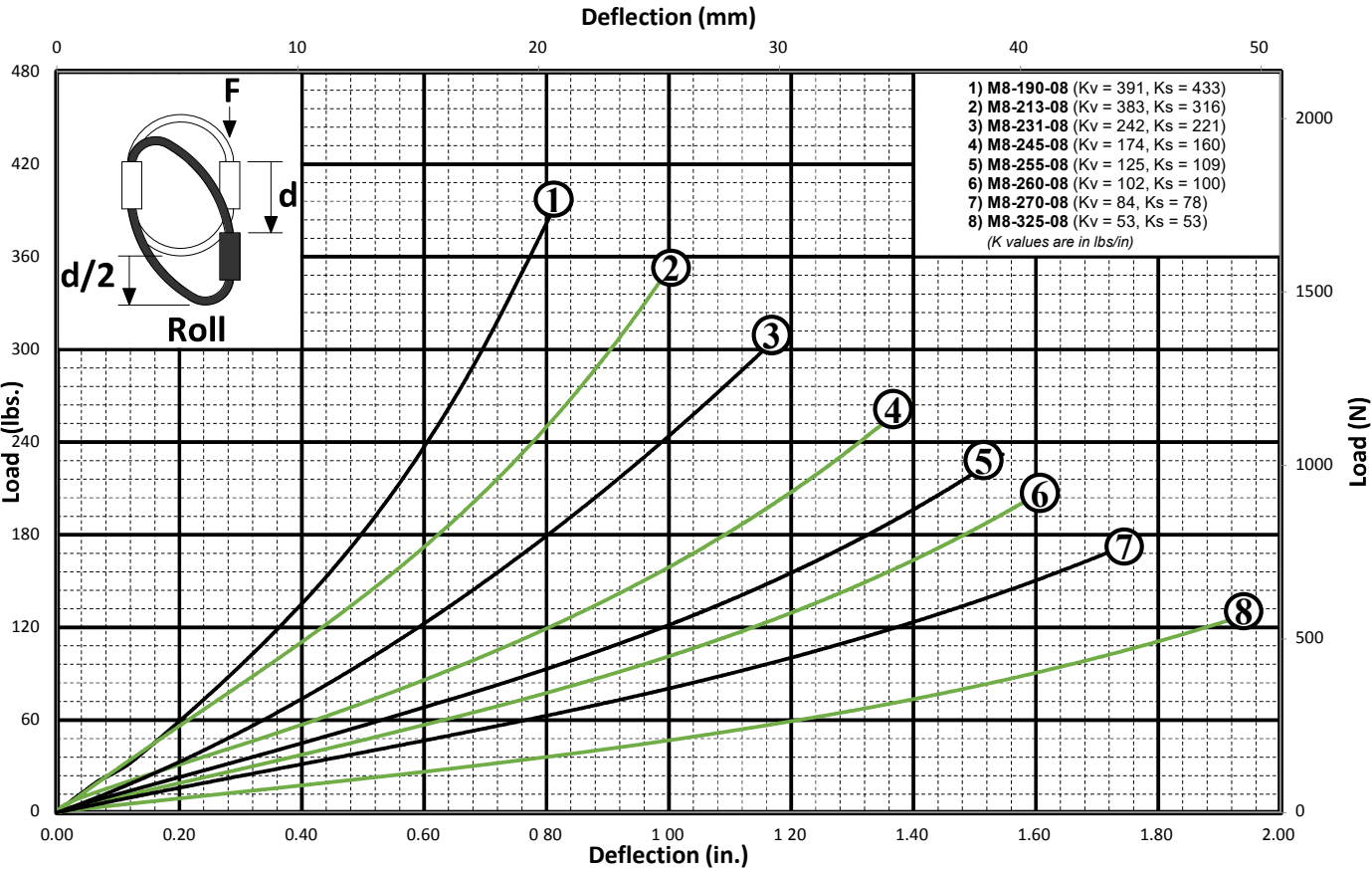
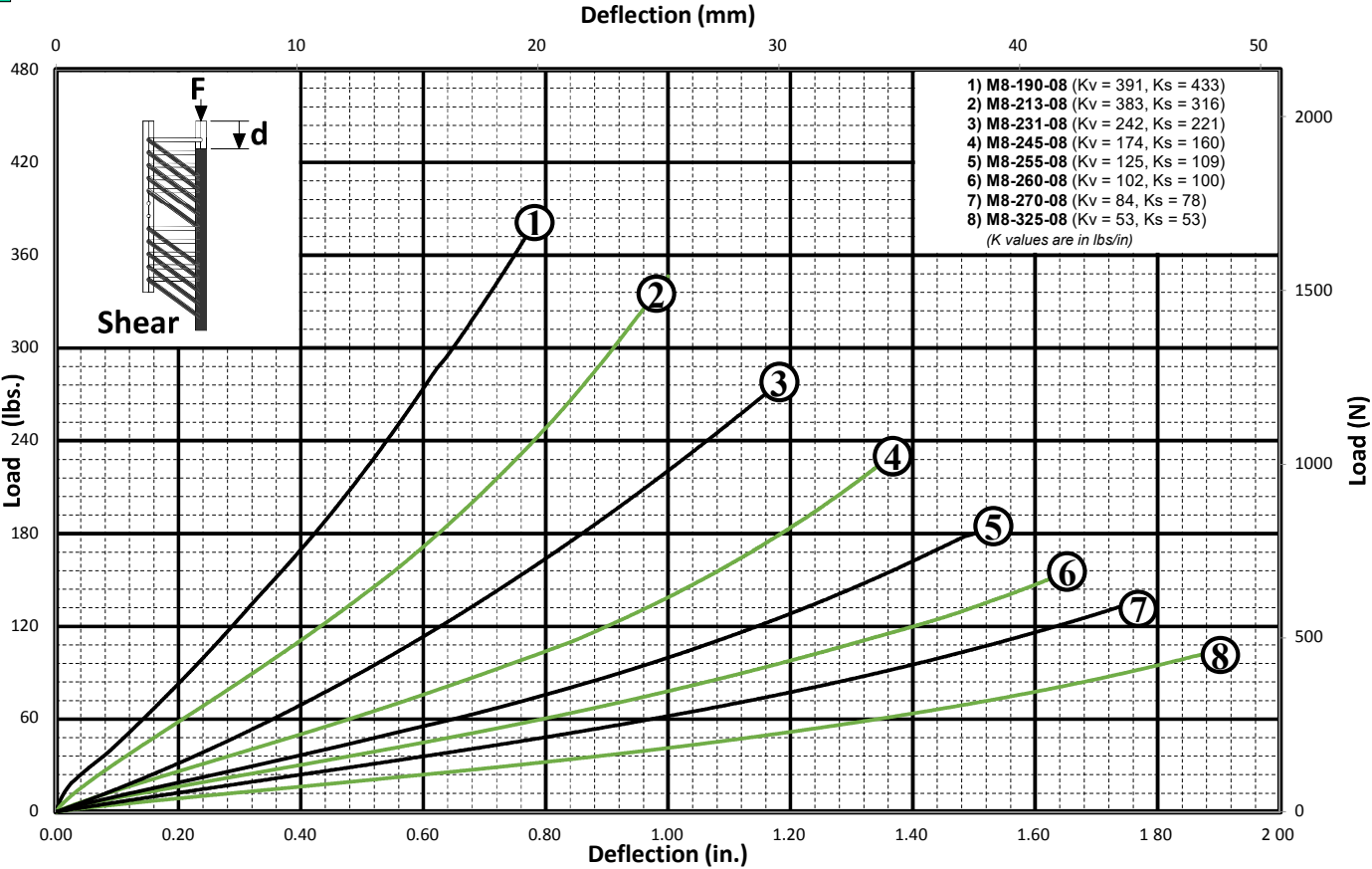


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