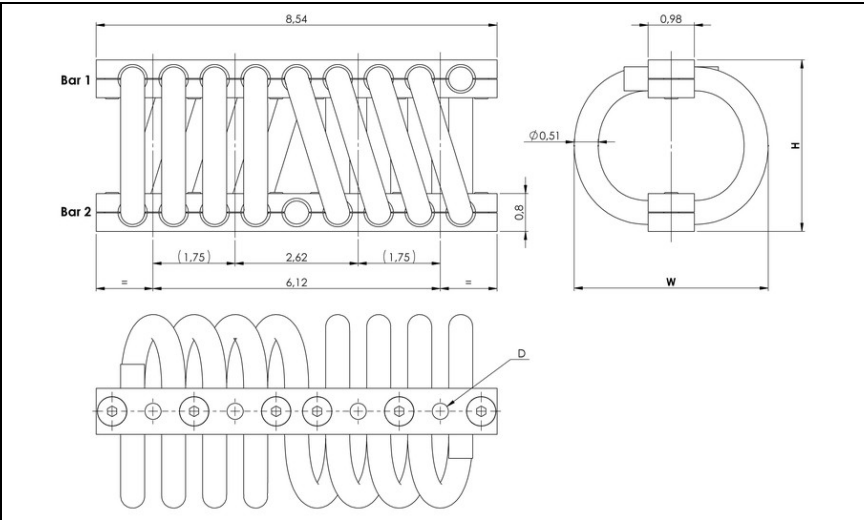


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series FH56



- All metal multidirectional anti-vibration/shock mounts
 - Exceptional reliability and long life
 - High damping
 - No aging
 - Corrosion resistant
 - Unequalled temperature range : -180°C to +300°C / -290F to 570 F
 - Great adaptability/versatility
- Specials on request**
(material size and number of loops, etc.)

Dimensions are in inches. For reference only

SERIES
Materials and finishes (meets RoHS requirements)
FH56
Cable: stainless steel galvanized available: CBG
Retainer bars: aluminium alloy/ SurTec
Screws: alloy steel/ zinc plate
Inserts: stainless steel
All stainless steel: CBSS
Other materials on request

MODEL	height H (in)	width W (in)	weight (lbs)
-20	3.0	3.6	3.5
-24	3.3	4.0	3.9
-28	3.5	4.1	4.1
-32	3.7	4.8	4.5
-36	4.3	5.2	5.0
-44	4.9	5.6	5.5
-46	5.4	6.1	6.0
-48	6.1	7.1	6.8
-50	6.5	7.3	7.1
-52	6.9	8.3	7.7

INTERFACES			
fixtures holes D	Bar 1		
	ø 0.35 in through holes	ø 0.35 in through holes counter-sunk 82°	1/4 - 28 inserts
Bar 2			
ø 0.35 in through holes	T2	not standard	not standard
ø 0.35 in through holes counter-sunk 82°	TC	C2	not standard
1/4 - 28 inserts	TI	CI	I2

F	H	5	6	-	2	0	0	8	C	I
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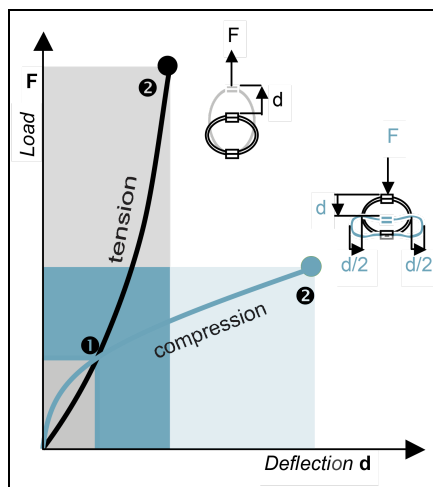
SERIE: FH56
'Helical' mount from the FH56 series

MODEL: -20
height: 3.0in
width: 3.6in
weight: 3.5lbs

LOOPS: 08
Serie standard is 08 loops

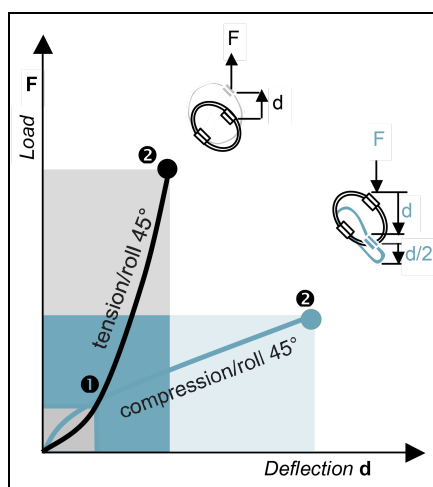
INTERFACE: CI
ø 0.35 in through holes counter-sunk 82° in bar 1,
1/4 - 28 inserts in bar 2





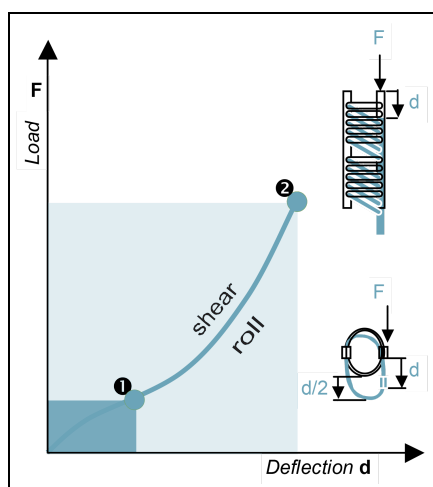
COMPRESSION AND TENSION

FH56 Series	Model	-20	-24	-28	-32	-36	-44	-46	-48	-50	-52
1.Max Static	F lbf	1100	900	850	610	510	450	370	280	260	210
	d in	0.23	0.27	0.31	0.35	0.44	0.54	0.62	0.75	0.79	0.88
2.Max Shock	F lbf	3400	2700	2500	1800	1500	1300	1100	840	790	620
	d in	1.2	1.5	1.7	1.9	2.4	2.9	3.4	4.0	4.4	4.7
3.Max Vibration	2a in	0.14	0.16	0.19	0.21	0.26	0.32	0.37	0.44	0.49	0.52
	f Hz	8.2	7.5	7.1	6.6	5.9	5.4	5.0	4.6	4.4	4.2
1.Max Static	F lbf	1100	900	850	610	510	450	370	280	260	210
	d in	0.17	0.21	0.22	0.29	0.34	0.37	0.42	0.52	0.54	0.65
2.Max Shock	F lbf	11000	9200	8000	6700	5200	4100	3400	2700	2400	2100
	d in	0.74	0.94	0.92	1.4	1.5	1.5	1.7	2.2	2.1	2.8
3.Max Vibration	2a in	0.08	0.10	0.10	0.15	0.17	0.17	0.19	0.24	0.24	0.31
	f Hz	11.1	9.9	9.9	8.3	7.8	7.6	7.2	6.4	6.4	5.7



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

FH56 Series	Model	-20	-24	-28	-32	-36	-44	-46	-48	-50	-52
1.Max Static	F lbf	840	670	640	460	380	330	280	210	200	160
	d in	0.29	0.34	0.41	0.51	0.65	0.72	0.84	0.97	0.89	1.1
2.Max Shock	F lbf	2200	1800	1600	1200	1000	860	720	540	510	400
	d in	1.9	2.2	2.6	2.9	3.6	4.4	5.1	6.1	6.6	7.1
3.Max Vibration	2a in	0.20	0.25	0.28	0.32	0.39	0.49	0.56	0.67	0.73	0.78
	f Hz	6.2	5.7	5.3	4.9	4.4	4.0	3.7	3.4	3.4	3.2
1.Max Static	F lbf	840	670	640	460	380	330	280	210	200	160
	d in	0.22	0.25	0.27	0.34	0.41	0.49	0.54	0.62	0.67	0.85
2.Max Shock	F lbf	5500	4600	4000	3300	2600	2000	1700	1300	1200	1000
	d in	0.84	1.1	1.1	1.6	1.7	1.7	1.9	2.5	2.5	3.2
3.Max Vibration	2a in	0.09	0.12	0.12	0.17	0.19	0.19	0.21	0.27	0.27	0.35
	f Hz	9.0	8.0	8.0	6.7	6.3	6.2	5.8	5.2	5.2	4.6



SHEAR OR ROLL

FH56 Series	Model	-20	-24	-28	-32	-36	-44	-46	-48	-50	-52
1.Max Static	F lbf	560	450	420	310	250	220	190	140	130	100
	d in	0.30	0.38	0.41	0.46	0.57	0.73	0.91	1.0	1.1	1.3
2.Max Shock	F lbf	3100	2400	2100	1700	1300	1000	830	640	570	490
	d in	1.1	1.4	1.5	1.9	2.3	2.6	2.9	3.6	3.7	4.4
3.Max Vibration	2a in	0.13	0.16	0.17	0.21	0.25	0.28	0.32	0.39	0.41	0.48
	f Hz	3.2	2.9	2.8	2.4	2.3	2.2	2.1	1.9	1.9	1.7

1. Max static load (F) with corresponding deflection (d)
2. Max shock load (F) with corresponding deflection (d)
3. Uncoupled resonant frequency (f) under max static loading 1. and max peak to peak sinusoidal vibration input (2a)

***IMPORTANT:** Performance characteristics are given here for reference only. They can be increased under specific conditions. Contact us

TYPICAL SHOCK/VIBRATION SPECIFICATIONS:

Air	AIR 7306, MIL-E-5400, MIL-C-172, MIL-STD-810
Ground Forces	GAM EG13A, SEFT 001, MIL-STD-810, VG 9533
Marine	GAM EG13C, IT25-21/96-31/15-86, MIL-S-167, MIL-S-901, STANAG 042, BV 043.73, BV 044
Others	GAM EMB1, GAM EMBT4, DEF STAN 07-55, IEC 571, FINABEL 2C

