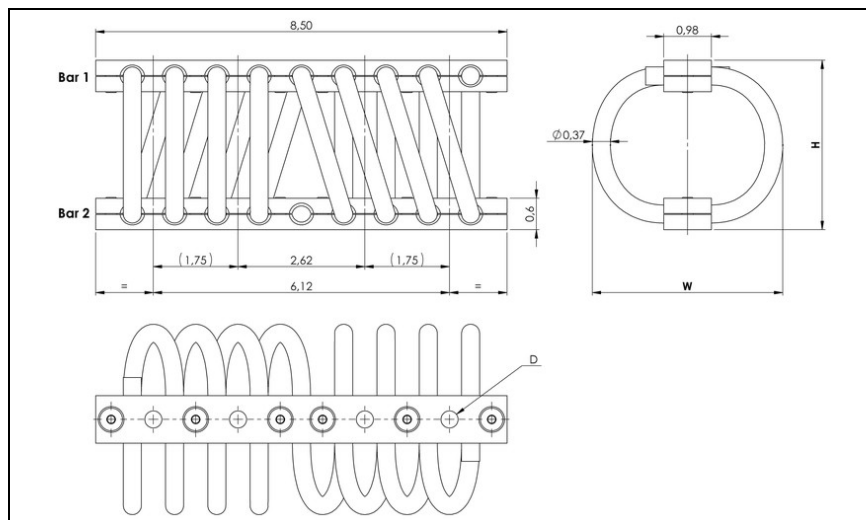


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series FH44



- 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)
FH44
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	2.7	3.1	2.1
-24	2.8	3.3	2.1
-32	2.9	3.5	2.2
-34	3.2	4.3	2.4
-36	3.0	4.1	2.4
-38	3.5	4.3	2.5
-44	4.1	4.8	2.8
-46	4.3	5.5	3.0
-48	4.9	5.6	3.2
-50	5.3	6.0	3.4
-52	6.1	7.1	3.8
-54	6.5	7.3	4.0

INTERFACES			
fixtures holes D	Bar 1		
	Ø 0.29 in through holes	Ø 0.29 in through holes counter-sunk 82°	1/4 - 28 inserts
Bar 2			
Ø 0.29 in through holes	T2	not standard	not standard
Ø 0.29 in through holes counter-sunk 82°	TC	C2	not standard
1/4 - 28 inserts	TI	CI	I2

F	H	4	4	-	2	0	0	8	C	I
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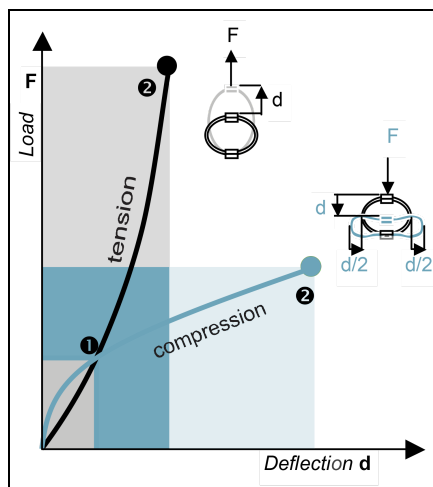
SERIE: FH44
'Helical' mount from the FH44 series

MODEL: -20
height: 2.7in
width: 3.1in
weight: 2.1lbs

LOOPS: 08
Serie standard is 08 loops

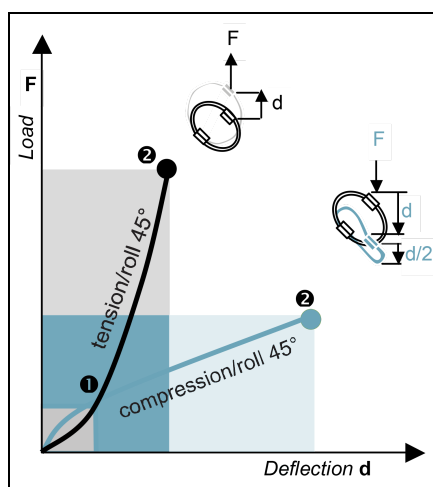
INTERFACE: CI
Ø 0.29 in through holes counter-sunk 82° in bar 1,
1/4 - 28 inserts in bar 2





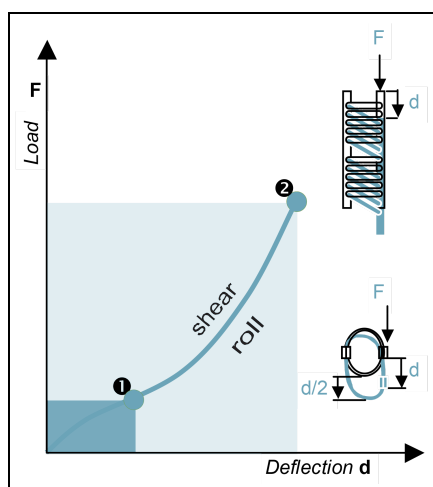
COMPRESSION AND TENSION

FH44 Series	Model	-20	-24	-32	-34	-36	-38	-44	-46	-48	-50	-52	-54
1.Max Static	F lbf	490	440	380	250	270	260	200	150	140	130	91	85
	d in	0.21	0.23	0.27	0.32	0.29	0.37	0.45	0.49	0.57	0.63	0.79	0.82
2.Max Shock	F lbf	1500	1300	1100	750	810	770	600	440	430	380	270	260
	d in	1.2	1.3	1.5	1.7	1.6	2.0	2.6	2.7	3.2	3.6	4.3	4.7
3.Max Vibration	2a in	0.14	0.15	0.16	0.19	0.17	0.22	0.28	0.29	0.35	0.39	0.48	0.52
	f Hz	8.4	8.0	7.7	6.9	7.2	6.5	5.8	5.6	5.2	4.9	4.4	4.3
1.Max Static	F lbf	490	440	380	250	270	260	200	150	140	130	91	85
	d in	0.14	0.16	0.18	0.26	0.25	0.26	0.30	0.40	0.39	0.43	0.54	0.56
2.Max Shock	F lbf	4200	3900	3500	2700	3000	2400	1800	1600	1300	1100	840	760
	d in	0.54	0.61	0.75	1.2	1.2	1.1	1.2	1.8	1.6	1.7	2.2	2.2
3.Max Vibration	2a in	0.06	0.07	0.08	0.13	0.13	0.12	0.13	0.20	0.17	0.19	0.24	0.24
	f Hz	12.6	11.9	10.9	8.8	9.0	9.2	8.6	7.2	7.5	7.2	6.3	6.3



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

FH44 Series	Model	-20	-24	-32	-34	-36	-38	-44	-46	-48	-50	-52	-54
1.Max Static	F lbf	370	330	290	190	200	190	150	110	110	94	68	64
	d in	0.26	0.28	0.35	0.46	0.40	0.48	0.52	0.71	0.65	0.72	1.1	0.96
2.Max Shock	F lbf	930	840	730	500	540	500	380	290	280	240	170	160
	d in	1.9	2.0	2.2	2.6	2.3	3.0	3.8	4.0	4.8	5.4	6.5	7.1
3.Max Vibration	2a in	0.20	0.22	0.24	0.29	0.26	0.33	0.42	0.44	0.53	0.59	0.71	0.78
	f Hz	6.3	6.1	5.7	5.2	5.4	4.9	4.4	4.2	3.9	3.7	3.3	3.2
1.Max Static	F lbf	370	330	290	190	200	190	150	110	110	94	68	64
	d in	0.18	0.21	0.24	0.30	0.31	0.31	0.36	0.51	0.49	0.53	0.70	0.67
2.Max Shock	F lbf	2100	1900	1700	1300	1500	1200	880	770	640	550	410	370
	d in	0.62	0.70	0.86	1.4	1.4	1.2	1.4	2.1	1.8	1.9	2.5	2.5
3.Max Vibration	2a in	0.07	0.08	0.09	0.15	0.15	0.13	0.15	0.23	0.20	0.21	0.28	0.27
	f Hz	10.3	9.7	8.8	7.1	7.3	7.4	6.9	5.8	6.1	5.8	5.2	5.1



SHEAR OR ROLL

FH44 Series	Model	-20	-24	-32	-34	-36	-38	-44	-46	-48	-50	-52	-54
1.Max Static	F lbf	240	220	190	130	130	130	100	73	72	63	45	43
	d in	0.32	0.32	0.38	0.41	0.40	0.52	0.64	0.67	0.83	0.90	1.2	1.3
2.Max Shock	F lbf	1100	990	910	690	780	610	430	380	310	270	200	180
	d in	1.0	1.1	1.3	1.7	1.6	1.7	2.1	2.6	2.7	3.0	3.7	3.9
3.Max Vibration	2a in	0.11	0.12	0.14	0.19	0.18	0.19	0.23	0.29	0.30	0.33	0.41	0.43
	f Hz	3.6	3.4	3.2	2.6	2.6	2.7	2.5	2.1	2.2	2.1	1.9	1.9

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