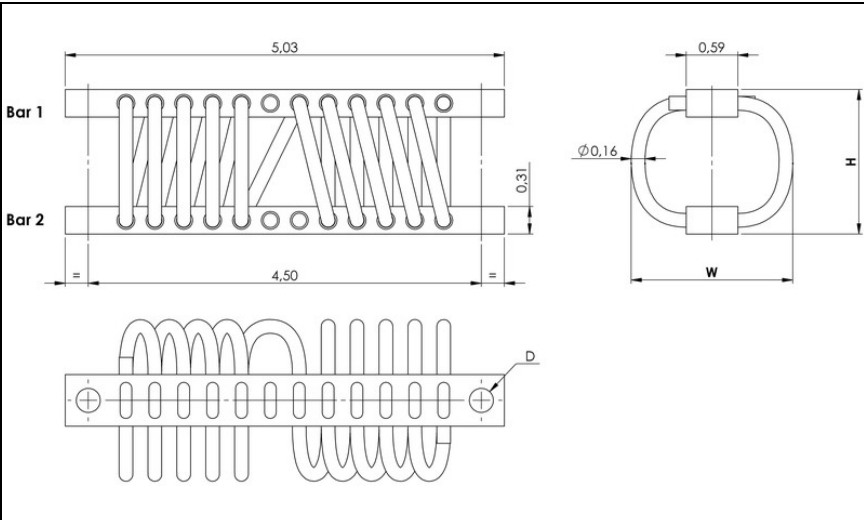


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series FH16



- 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)
FH16
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C5HSS
Other materials on request

MODEL	height H (in)	width W (in)	weight (lbs)
-02	1.1	1.5	0.26
-04	1.2	1.6	0.26
-06	1.3	1.7	0.29
-08	1.5	1.8	0.29
-10	1.5	1.9	0.31
-12	1.7	2.0	0.31
-14	1.8	2.1	0.33
-16	2.0	2.4	0.35
-18	2.1	2.5	0.37
-20	2.1	2.8	0.37
-22	2.3	3.2	0.42

INTERFACES			
fixtures holes D	Bar 1		
	ø0.28 in through holes	ø0.28 in through holes countersunk 82°	1/4 - 20
Bar 2			
ø0.28 in through holes	T2	not standard	not standard
ø0.28 in through holes countersunk 82°	TC	C2	not standard
1/4 - 20	T1	C1	I2

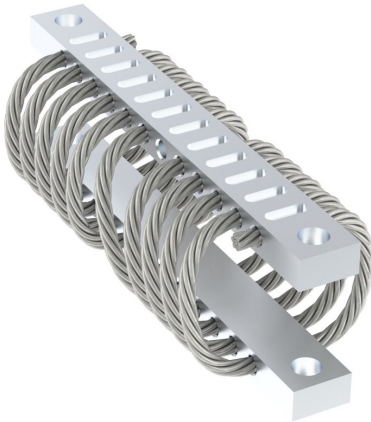
F	H	1	6	-	0	2	1	0	C	I
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SERIE: FH16
'Helical' mount from the
FH16 series

MODEL: -02
height: 1.1in
width: 1.5in
weight: 0.26lbs

LOOPS: 10
Serie
standard is
10 loops

INTERFACE: C1
ø0.28 in through
holes countersunk
82° in bar 1,
1/4 - 20 in bar 2





COMPRESSION AND TENSION

FH16 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F lbf	120	100	87	77	67	60	53	38	36	27	21
	d in	0.08	0.10	0.11	0.12	0.14	0.15	0.17	0.22	0.23	0.25	0.27
2.Max Shock	F lbf	350	310	260	230	200	180	160	110	110	82	64
	d in	0.46	0.53	0.64	0.74	0.81	0.92	1.0	1.3	1.3	1.3	1.5
3.Max Vibration	2a in	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.14	0.15	0.15	0.16
	f Hz	13.6	12.7	11.6	10.9	10.3	9.8	9.3	8.3	8.0	7.8	7.4
1.Max Static	F lbf	120	100	87	77	67	60	53	38	36	27	21
	d in	0.06	0.07	0.08	0.08	0.10	0.10	0.11	0.15	0.16	0.20	0.24
2.Max Shock	F lbf	1100	940	780	660	590	510	450	340	310	290	240
	d in	0.23	0.26	0.30	0.32	0.37	0.39	0.43	0.59	0.62	0.91	1.2
3.Max Vibration	2a in	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.06	0.07	0.10	0.13
	f Hz	19.5	18.4	17.0	16.5	15.3	14.9	14.2	12.2	11.9	10.2	9.1



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

FH16 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F lbf	88	78	65	58	50	45	40	29	27	21	16
	d in	0.11	0.13	0.13	0.16	0.17	0.20	0.22	0.26	0.28	0.36	0.38
2.Max Shock	F lbf	230	200	170	150	130	110	100	73	68	54	43
	d in	0.69	0.80	0.96	1.1	1.2	1.4	1.5	1.9	2.0	2.0	2.2
3.Max Vibration	2a in	0.08	0.09	0.11	0.12	0.13	0.15	0.17	0.21	0.22	0.22	0.25
	f Hz	10.2	9.5	8.8	8.2	7.8	7.4	7.0	6.2	6.1	5.8	5.6
1.Max Static	F lbf	88	78	65	58	50	45	40	29	27	21	16
	d in	0.07	0.08	0.09	0.11	0.11	0.13	0.14	0.18	0.19	0.26	0.31
2.Max Shock	F lbf	540	470	390	320	290	250	220	170	160	140	120
	d in	0.27	0.30	0.35	0.36	0.43	0.44	0.49	0.67	0.71	1.0	1.3
3.Max Vibration	2a in	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.07	0.08	0.11	0.15
	f Hz	15.8	14.8	13.7	13.4	12.3	12.1	11.4	9.8	9.6	8.2	7.4



SHEAR OR ROLL

FH16 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F lbf	59	52	43	39	34	30	26	19	18	14	11
	d in	0.11	0.12	0.16	0.18	0.21	0.24	0.27	0.32	0.37	0.34	0.38
2.Max Shock	F lbf	300	250	200	170	150	130	110	82	76	71	59
	d in	0.40	0.45	0.54	0.60	0.67	0.74	0.82	1.1	1.1	1.3	1.6
3.Max Vibration	2a in	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.12	0.12	0.15	0.17
	f Hz	5.5	5.2	4.9	4.7	4.4	4.3	4.1	3.5	3.5	3.0	2.7

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

