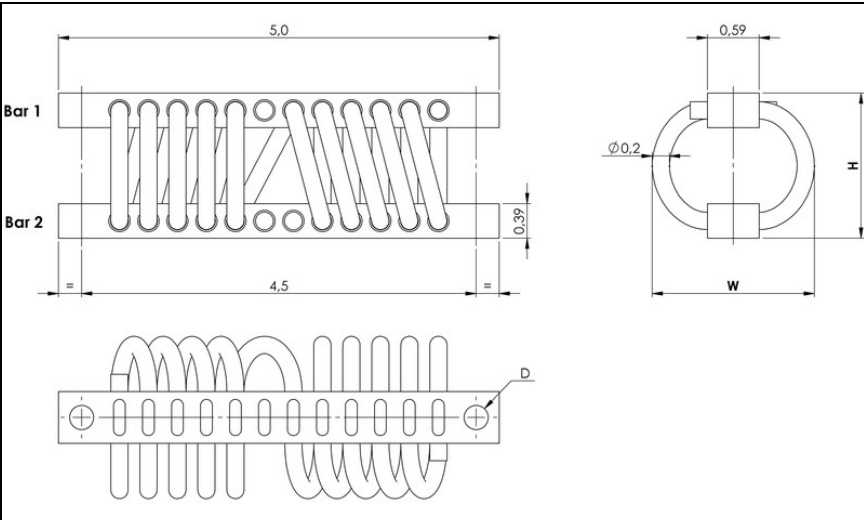


WIRE ROPE ISOLATORS: 'HELICAL'

DEFINITION
series FH20



- 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)
FH20
Cable: stainless steel
Retainer bars: aluminium alloy/ SurTec
All stainless steel : C6HSS
Other materials on request

MODEL	height H (in)	width W (in)	weight (lbs)
-02	1.2	1.5	0.33
-04	1.3	1.5	0.35
-06	1.5	1.7	0.37
-08	1.5	1.7	0.37
-10	1.7	1.9	0.40
-12	1.7	1.9	0.42
-14	2.0	2.3	0.46
-16	2.0	2.5	0.49
-18	2.2	2.9	0.53
-20	2.2	3.1	0.55
-22	3.2	4.2	0.71

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	2	0	-	0	2	1	0	C	I
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SERIE: FH20
'Helical' mount from the
FH20 series

MODEL: -02
height: 1.2in
width: 1.5in
weight: 0.33lbs

LOOPS: 10
Serie
standard is
10 loops

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





COMPRESSION AND TENSION

FH20 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F lbf	250	220	180	160	140	130	90	77	53	44	26
	d in	0.07	0.08	0.10	0.11	0.12	0.14	0.19	0.21	0.23	0.24	0.40
2.Max Shock	F lbf	740	650	550	490	420	380	270	230	160	130	77
	d in	0.39	0.50	0.60	0.67	0.78	0.85	1.1	1.1	1.2	1.3	2.2
3.Max Vibration	2a in	0.04	0.05	0.07	0.07	0.09	0.09	0.12	0.12	0.14	0.14	0.24
	f Hz	15.0	13.5	12.2	11.6	10.8	10.3	8.9	8.6	8.1	7.8	6.2
1.Max Static	F lbf	250	220	180	160	140	130	90	77	53	44	26
	d in	0.05	0.05	0.06	0.07	0.08	0.09	0.13	0.15	0.20	0.23	0.34
2.Max Shock	F lbf	2200	1800	1500	1300	1200	1100	780	740	610	550	290
	d in	0.18	0.19	0.23	0.26	0.30	0.33	0.48	0.63	0.97	1.2	1.6
3.Max Vibration	2a in	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.07	0.11	0.13	0.18
	f Hz	22.1	21.1	19.2	18.1	16.8	16.1	13.4	12.0	10.0	9.2	7.7



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

FH20 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F lbf	190	160	140	120	110	96	67	57	40	33	19
	d in	0.08	0.11	0.13	0.15	0.17	0.19	0.23	0.27	0.32	0.39	0.56
2.Max Shock	F lbf	470	410	340	310	260	240	170	150	110	90	51
	d in	0.58	0.74	0.90	1.0	1.2	1.3	1.6	1.7	1.9	2.0	3.2
3.Max Vibration	2a in	0.06	0.08	0.10	0.11	0.13	0.14	0.18	0.19	0.20	0.22	0.36
	f Hz	11.3	10.0	9.1	8.6	8.0	7.6	6.7	6.5	6.1	5.8	4.6
1.Max Static	F lbf	190	160	140	120	110	96	67	57	40	33	19
	d in	0.05	0.07	0.08	0.09	0.11	0.12	0.16	0.18	0.26	0.29	0.42
2.Max Shock	F lbf	1100	880	740	660	570	520	380	360	300	280	140
	d in	0.20	0.22	0.27	0.30	0.34	0.37	0.55	0.72	1.1	1.3	1.8
3.Max Vibration	2a in	0.02	0.02	0.03	0.03	0.04	0.04	0.06	0.08	0.12	0.15	0.20
	f Hz	17.8	17.1	15.6	14.7	13.7	13.1	10.9	9.7	8.1	7.5	6.2



SHEAR OR ROLL

FH20 Series	Model	-02	-04	-06	-08	-10	-12	-14	-16	-18	-20	-22
1.Max Static	F lbf	120	110	91	82	70	64	45	38	26	22	13
	d in	0.09	0.12	0.14	0.17	0.20	0.21	0.27	0.27	0.32	0.34	0.59
2.Max Shock	F lbf	630	480	390	350	290	260	190	190	150	140	69
	d in	0.32	0.39	0.47	0.52	0.60	0.66	0.89	1.0	1.3	1.5	2.2
3.Max Vibration	2a in	0.04	0.04	0.05	0.06	0.07	0.07	0.10	0.11	0.14	0.16	0.25
	f Hz	6.1	5.8	5.3	5.1	4.7	4.5	3.8	3.5	2.9	2.7	2.3

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