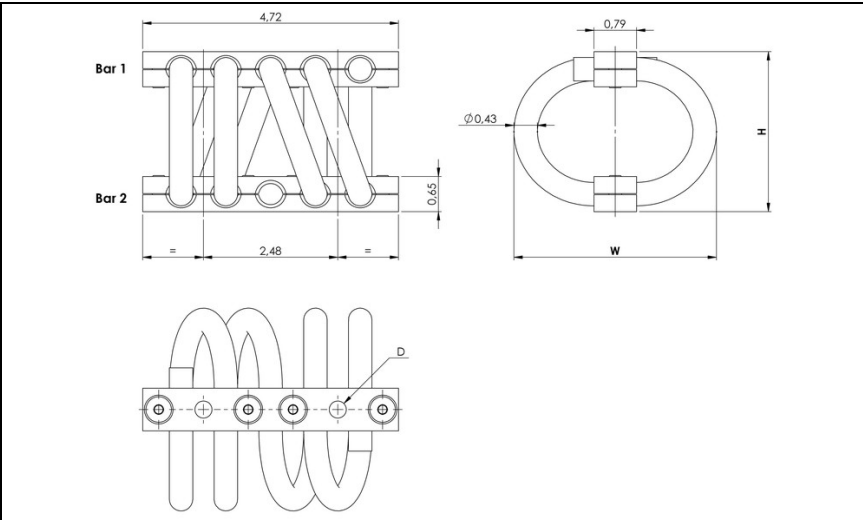


WIRE ROPE ISOLATOR

DEFINITION
series HH48



- 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 (-290°F 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)
HH48
Cable: stainless steel galvanized available: HHG
Retainer bars: aluminium alloy/ SurTec
Screws: alloy steel/zinc plate
Inserts: stainless steel
All stainless steel: HHSS
Other materials on request

MODEL	height H (in)	width W (in)	weight (lbs)
-20	2.7	3.3	1.2
-24	2.8	3.4	1.2
-32	2.9	3.7	1.3
-36	3.0	4.2	1.4
-38	3.5	4.4	1.5
-44	4.1	4.9	1.7
-46	4.3	5.6	1.8
-48	4.9	5.7	1.9
-50	5.3	6.1	2.1
-52	6.1	7.2	2.4

INTERFACES			
fixtures holes D	Bar 1		
	ø 0.35 in through holes	ø 0.35 in through holes countersunk 82°	5/16 - 24 inserts
Bar 2			
ø 0.35 in through holes	T2	not standard	not standard
ø 0.35 in through holes countersunk 82°	TC	C2	not standard
5/16 - 24 inserts	TI	CI	I2

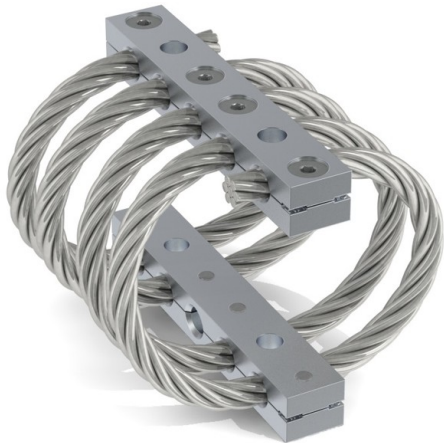
H	H	4	8	-	2	0	0	4	C	I
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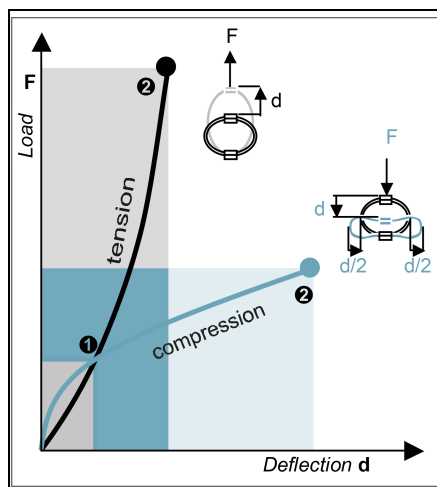
SERIE: HH48
'Half-Helical' mount from
the HH48 series

MODEL: -20
height: 2.7in
width: 3.3in
weight: 1.2lbs

LOOPS: 04
Serie
standard is
04 loops

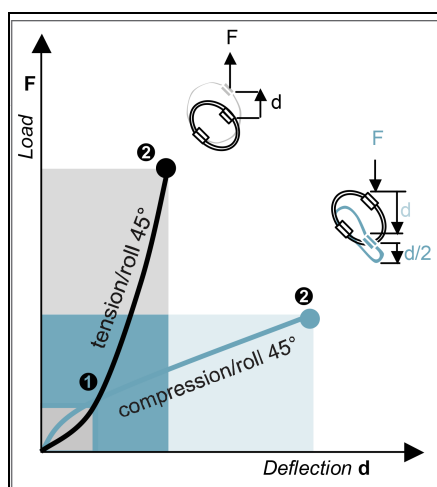
INTERFACE: CI
ø 0.35 in through
holes countersunk
82° in bar 1,
5/16 - 24 inserts in
bar 2





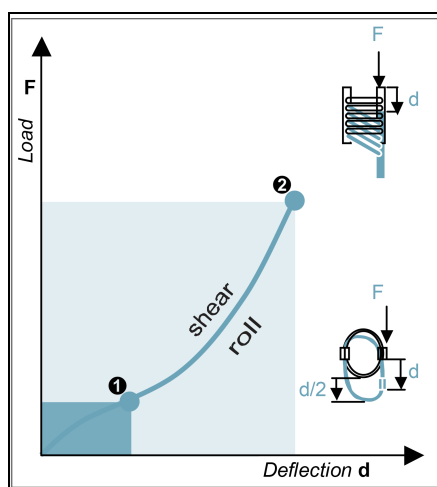
COMPRESSION AND TENSION

HH48 Series	Model	-20	-24	-32	-36	-38	-44	-46	-48	-50	-52
1.Max Static	F lbf	360	320	280	200	190	150	110	110	98	72
	d in	0.23	0.25	0.27	0.29	0.37	0.47	0.49	0.59	0.66	0.80
2.Max Shock	F lbf	1100	970	830	590	570	460	340	330	290	220
	d in	1.2	1.3	1.5	1.6	2.0	2.6	2.7	3.2	3.6	4.3
3.Max Vibration	2a in	0.14	0.15	0.16	0.17	0.22	0.28	0.29	0.35	0.39	0.48
	f Hz	8.2	7.9	7.6	7.2	6.5	5.8	5.6	5.1	4.9	4.4
1.Max Static	F lbf	360	320	280	200	190	150	110	110	98	72
	d in	0.17	0.19	0.21	0.27	0.29	0.34	0.43	0.43	0.47	0.58
2.Max Shock	F lbf	3600	3200	2900	2500	2000	1500	1300	1100	930	700
	d in	0.75	0.82	0.97	1.5	1.3	1.4	2.1	1.8	1.9	2.4
3.Max Vibration	2a in	0.08	0.09	0.11	0.16	0.14	0.16	0.23	0.20	0.21	0.27
	f Hz	11.1	10.6	9.8	8.3	8.5	8.0	6.8	7.1	6.8	6.1



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

HH48 Series	Model	-20	-24	-32	-36	-38	-44	-46	-48	-50	-52
1.Max Static	F lbf	270	240	210	150	140	120	85	84	74	54
	d in	0.28	0.31	0.39	0.46	0.54	0.61	0.68	0.76	0.86	1.0
2.Max Shock	F lbf	700	630	550	400	380	300	230	220	190	140
	d in	1.9	2.0	2.2	2.3	3.0	3.8	4.0	4.8	5.4	6.5
3.Max Vibration	2a in	0.20	0.22	0.24	0.26	0.33	0.42	0.44	0.53	0.59	0.71
	f Hz	6.2	6.0	5.6	5.4	4.8	4.3	4.2	3.8	3.6	3.3
1.Max Static	F lbf	270	240	210	150	140	120	85	84	74	54
	d in	0.23	0.22	0.27	0.31	0.36	0.41	0.55	0.52	0.56	0.72
2.Max Shock	F lbf	1800	1600	1500	1300	990	730	650	530	460	350
	d in	0.85	0.94	1.1	1.7	1.5	1.6	2.4	2.0	2.2	2.8
3.Max Vibration	2a in	0.09	0.10	0.12	0.18	0.16	0.18	0.26	0.22	0.24	0.31
	f Hz	9.0	8.5	7.9	6.7	6.8	6.4	5.5	5.7	5.5	4.9



SHEAR OR ROLL

HH48 Series	Model	-20	-24	-32	-36	-38	-44	-46	-48	-50	-52
1.Max Static	F lbf	180	160	140	99	95	77	56	56	49	36
	d in	0.30	0.33	0.33	0.37	0.49	0.67	0.67	0.84	0.90	1.1
2.Max Shock	F lbf	950	850	760	630	500	360	320	260	220	170
	d in	1.2	1.3	1.4	1.8	1.9	2.3	2.8	2.9	3.2	3.9
3.Max Vibration	2a in	0.13	0.14	0.16	0.20	0.21	0.25	0.31	0.32	0.35	0.43
	f Hz	3.2	3.0	2.8	2.4	2.5	2.4	2.0	2.1	2.0	1.8

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