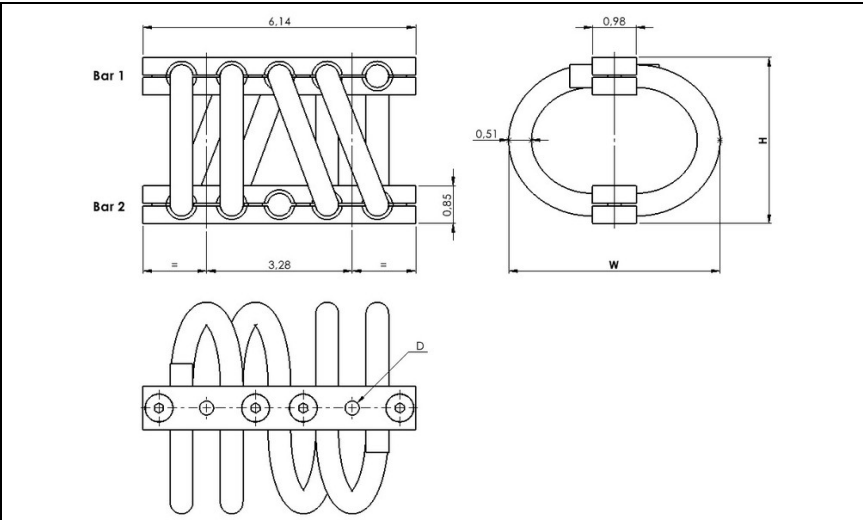


WIRE ROPE ISOLATOR

DEFINITION
series HH56



- 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)
HH56
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	3.0	3.6	2.1
-24	3.3	4.0	2.2
-28	3.5	4.1	2.3
-32	3.7	4.8	2.5
-36	4.3	5.2	2.8
-44	4.9	5.6	3.0
-46	5.4	6.1	3.3
-48	6.1	7.1	3.7
-50	6.5	7.3	3.8
-52	6.9	8.3	4.1

INTERFACES	Bar 1		
fixtures holes D	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	5	6	-	2	0	0	4	C	I
---	---	---	---	---	---	---	---	---	---	---

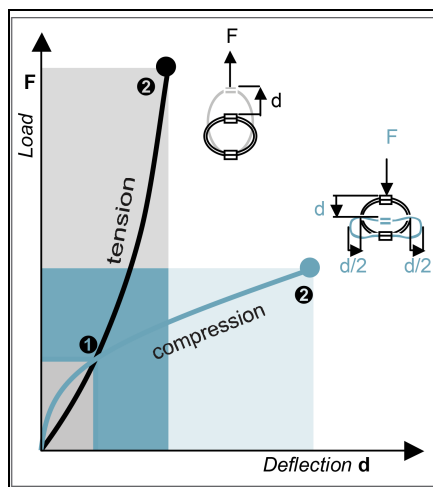
SERIE: HH56
'Half-Helical' mount from
the HH56 series

MODEL: -20
height: 3.0in
width: 3.6in
weight: 2.1lbs

LOOPS: 04
Serie
standard is
04 loops

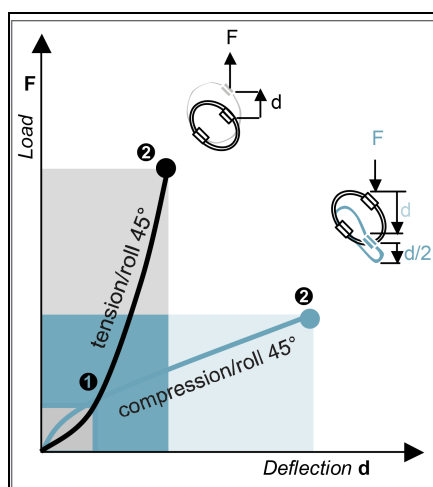
INTERFACE: CI
ø 0.35 in through
holes countersunk
82° in bar 1,
5/16 - 24 inserts in
bar 2





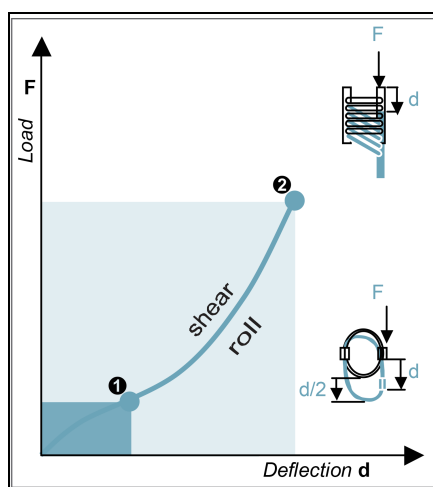
COMPRESSION AND TENSION

HH56 Series	Model	-20	-24	-28	-32	-36	-44	-46	-48	-50	-52
1.Max Static	F lbf	550	440	420	300	250	220	190	140	130	100
	d in	0.22	0.26	0.30	0.34	0.42	0.53	0.61	0.73	0.79	0.86
2.Max Shock	F lbf	1700	1300	1300	900	750	660	560	420	390	310
	d in	1.2	1.4	1.6	1.8	2.3	2.9	3.3	4.0	4.4	4.7
3.Max Vibration	2a in	0.13	0.16	0.18	0.20	0.25	0.32	0.37	0.44	0.48	0.51
	f Hz	8.4	7.6	7.2	6.7	6.0	5.4	5.1	4.6	4.4	4.2
1.Max Static	F lbf	550	440	420	300	250	220	190	140	130	100
	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	5700	4700	4100	3400	2600	2100	1700	1300	1200	1000
	d in	0.75	0.96	0.94	1.4	1.5	1.5	1.7	2.2	2.2	2.8
3.Max Vibration	2a in	0.08	0.11	0.10	0.15	0.17	0.17	0.19	0.24	0.24	0.31
	f Hz	11.1	9.9	9.8	8.3	7.8	7.6	7.2	6.4	6.4	5.7



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

HH56 Series	Model	-20	-24	-28	-32	-36	-44	-46	-48	-50	-52
1.Max Static	F lbf	410	330	310	230	190	170	140	100	99	77
	d in	0.32	0.38	0.38	0.48	0.62	0.69	0.81	0.94	1.1	1.1
2.Max Shock	F lbf	1100	870	820	600	500	430	360	270	250	200
	d in	1.8	2.1	2.4	2.8	3.5	4.3	5.0	6.0	6.5	7.0
3.Max Vibration	2a in	0.19	0.23	0.27	0.30	0.38	0.47	0.55	0.65	0.72	0.77
	f Hz	6.3	5.7	5.4	5.0	4.5	4.1	3.8	3.5	3.3	3.2
1.Max Static	F lbf	410	330	310	230	190	170	140	100	99	77
	d in	0.21	0.27	0.28	0.36	0.43	0.44	0.55	0.64	0.68	0.76
2.Max Shock	F lbf	2900	2300	2000	1700	1300	1000	850	660	590	510
	d in	0.86	1.1	1.1	1.6	1.7	1.8	2.0	2.5	2.5	3.2
3.Max Vibration	2a in	0.09	0.12	0.12	0.17	0.19	0.19	0.22	0.27	0.27	0.36
	f Hz	9.0	8.0	8.0	6.7	6.3	6.1	5.8	5.2	5.2	4.6



SHEAR OR ROLL

HH56 Series	Model	-20	-24	-28	-32	-36	-44	-46	-48	-50	-52
1.Max Static	F lbf	280	220	210	150	130	110	93	70	66	51
	d in	0.28	0.34	0.38	0.48	0.59	0.75	0.83	1.0	1.1	1.2
2.Max Shock	F lbf	1600	1300	1100	880	670	520	420	320	290	250
	d in	1.1	1.4	1.5	1.9	2.2	2.5	2.9	3.5	3.7	4.4
3.Max Vibration	2a in	0.12	0.15	0.16	0.21	0.25	0.28	0.32	0.39	0.41	0.48
	f Hz	3.2	2.8	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