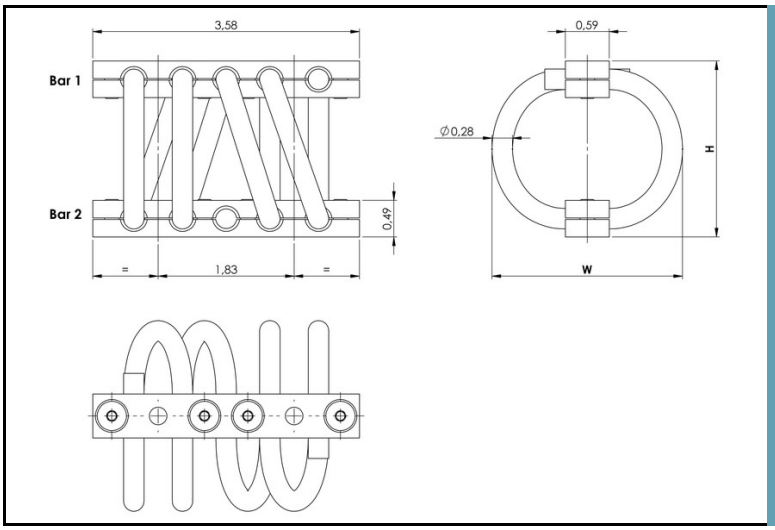
WIRE ROPE ISOLATOR

DEFINITION
series HH9



- 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)

HH9

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)
-10	1,8	2,2	0,40
-20	2,0	2,5	0,42
-25	2,2	2,8	0,46
-30	2,4	3,1	0,49
-35	2,4	3,5	0,51
-38	2,5	3,7	0,55
-40	2,5	3,9	0,55
-50	3,1	4,3	0,62
-60	3,7	5,0	0,71

INTERFACES

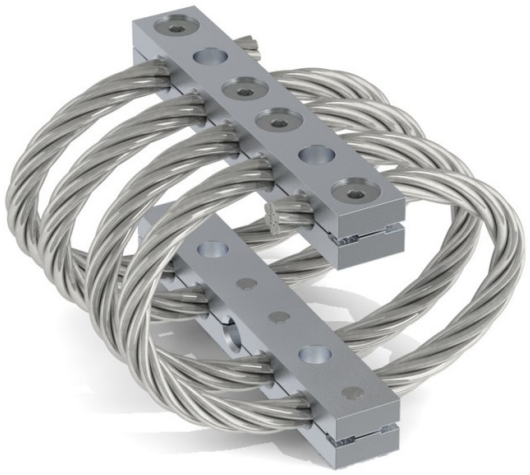
fixtures holes D / Bar 1	ø 0.28 in through holes	ø 0.28 in through holes counter-sunk 82°	1/4 - 28 inserts
Bar 2			
ø 0.28 in through holes	T2	not standard	not standard
ø 0,28 in through holes counter-sunk 82°	TC	C2	not standard
1/4 - 28 inserts	TI	CI	I2

H	H	9	-	1	0	C	I

SERIE: HH9
'Half-Helical' mount from the HH9 series

MODEL: -10
height: 1,8in
width: 2,2in
weight: 0,40lbs
loops: serie standard is 04 loops

INTERFACE: CI
ø 0.28 in through holes counter-sunk 82° in bar 1,
1/4 - 28 inserts in bar 2



ISO 9001 ROHS Compliant

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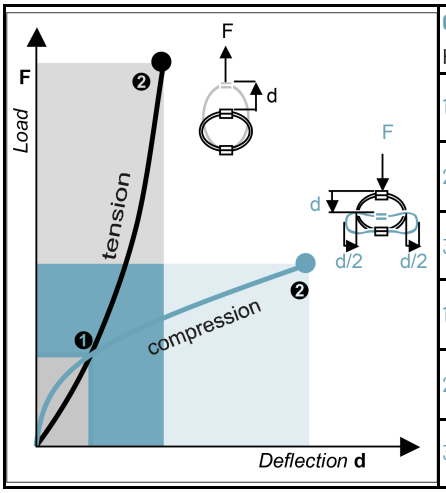
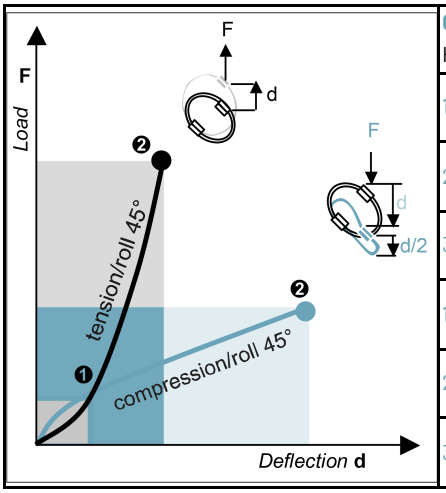


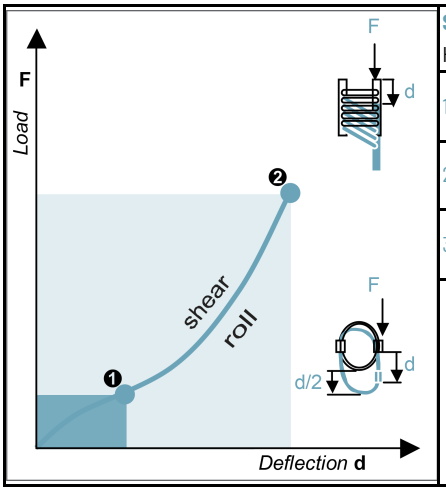
COMPRESSION AND TENSION

HH9 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1.Max Static	F lbf	130	100	77	59	45	40	35	33	24
	d in	0,13	0,17	0,20	0,23	0,23	0,26	0,26	0,35	0,46
2.Max Shock	F lbf	380	300	230	180	140	120	110	98	71
	d in	0,71	0,92	1,1	1,2	1,2	1,4	1,4	1,9	2,5
3.Max Vibration	2a in	0,08	0,10	0,12	0,14	0,14	0,15	0,15	0,21	0,27
	f Hz	10,8	9,5	8,6	8,1	8,0	7,6	7,5	6,5	5,7
1.Max Static	F lbf	130	100	77	59	45	40	35	33	24
	d in	0,11	0,14	0,17	0,21	0,23	0,26	0,26	0,33	0,41
2.Max Shock	F lbf	1400	1100	850	710	670	590	390	400	280
	d in	0,51	0,63	0,81	1,1	1,5	1,6	1,6	1,7	2,1
3.Max Vibration	2a in	0,06	0,07	0,09	0,12	0,16	0,18	0,18	0,19	0,23
	f Hz	13,6	12,2	10,8	9,6	8,5	8,1	8,0	7,6	6,9



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

HH9 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1.Max Static	F lbf	96	75	58	44	34	30	27	24	18
	d in	0,19	0,25	0,29	0,37	0,40	0,38	0,44	0,57	0,62
2.Max Shock	F lbf	250	200	150	120	95	84	75	66	48
	d in	1,1	1,4	1,6	1,9	1,9	2,1	2,1	2,9	3,7
3.Max Vibration	2a in	0,12	0,15	0,18	0,20	0,20	0,23	0,23	0,32	0,41
	f Hz	8,1	7,1	6,5	6,0	5,9	5,7	5,6	4,8	4,3
1.Max Static	F lbf	96	75	58	44	34	30	27	24	18
	d in	0,13	0,18	0,21	0,26	0,31	0,33	0,31	0,42	0,49
2.Max Shock	F lbf	700	530	430	360	340	300	210	200	140
	d in	0,59	0,72	0,93	1,2	1,7	1,9	1,8	2,0	2,4
3.Max Vibration	2a in	0,06	0,08	0,10	0,13	0,19	0,20	0,20	0,21	0,26
	f Hz	11,0	9,9	8,8	7,8	7,0	6,6	6,4	6,2	5,5



SHEAR OR ROLL

HH9 Series	Model	-10	-20	-25	-30	-35	-38	-40	-50	-60
1.Max Static	F lbf	64	50	38	29	23	20	18	16	12
	d in	0,16	0,22	0,28	0,32	0,33	0,36	0,34	0,49	0,67
2.Max Shock	F lbf	390	280	220	180	160	140	110	98	68
	d in	0,72	0,91	1,1	1,4	1,7	1,9	1,8	2,2	2,7
3.Max Vibration	2a in	0,08	0,10	0,12	0,15	0,18	0,20	0,20	0,24	0,30
	f Hz	3,9	3,5	3,2	2,8	2,4	2,3	2,4	2,2	2,0

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