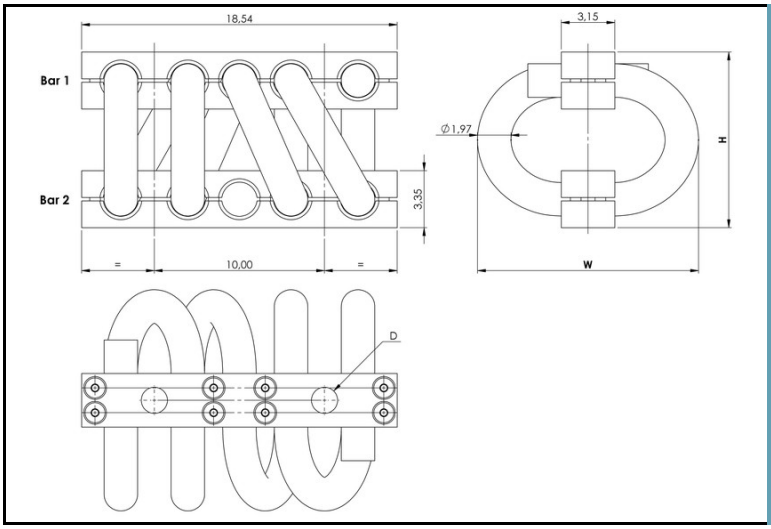
WIRE ROPE ISOLATOR

DEFINITION
series HH23



- 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)

HH23

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)
-12	10,3	13,0	93
-15	11,4	14,2	100
-17	12,6	15,6	110
-20	14,0	17,1	120
-30	15,6	18,9	130

INTERFACES

fixtures holes D / Bar 1	ø 1.61 in through holes	ø 1.61 in through holes counter-sunk 82°	1 1/2-6 inserts
Bar 2			
ø 1.61 in through holes	T2	not standard	not standard
ø 1.61 in through holes counter-sunk 82°	TC	C2	not standard
1 1/2-6 inserts	TI	CI	I2

H	H	2	3	-	1	2	C	I

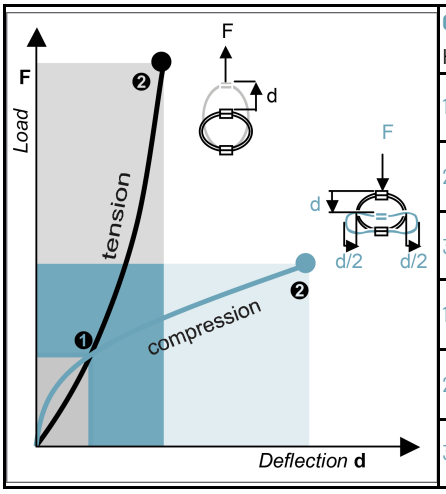
SERIE: HH23
'Half-Helical' mount from the HH23 series

MODEL: -12
height: 10,3in
width: 13,0in
weight: 93lbs
loops: serie standard is 04 loops

INTERFACE: CI
ø 1.61 in through holes counter-sunk 82° in bar 1,
1 1/2-6 inserts in bar 2

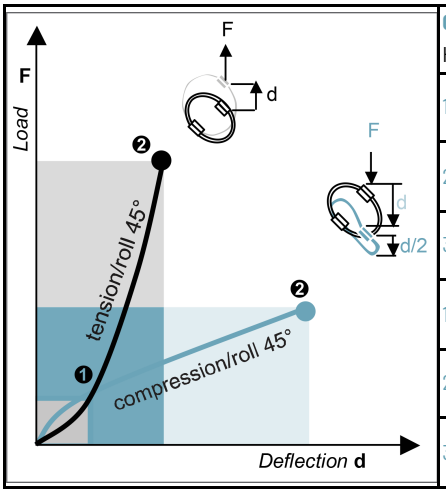
ISO 9001 ROHS Compliant

WIRE ROPE ISOLATOR



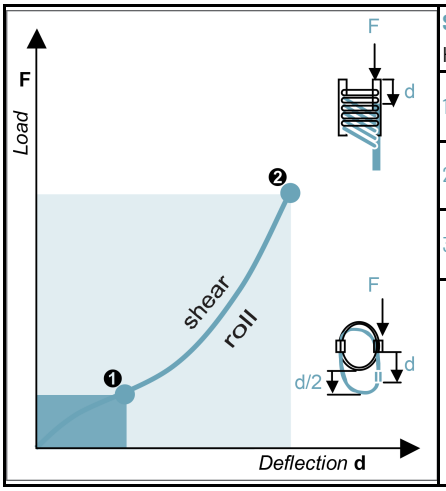
COMPRESSION AND TENSION

HH23 Series	Model	-12	-15	-17	-20	-30
1.Max Static	F lbf	9200	7800	6400	5300	4300
	d in	0,67	0,84	1,0	1,3	1,5
2.Max Shock	F lbf	28000	23000	19000	16000	13000
	d in	3,6	4,6	5,7	6,9	8,4
3.Max Vibration	2a in	0,40	0,50	0,62	0,76	0,92
	f Hz	4,7	4,2	3,8	3,4	3,2
1.Max Static	F lbf	9200	7800	6400	5300	4300
	d in	0,60	0,73	0,87	1,0	1,2
2.Max Shock	F lbf	110000	88000	71000	57000	45000
	d in	3,0	3,5	4,1	4,7	5,5
3.Max Vibration	2a in	0,33	0,39	0,45	0,52	0,60
	f Hz	5,7	5,2	4,8	4,4	4,1



COMPRESSION/ROLL 45° - TENSION/ROLL 45°

HH23 Series	Model	-12	-15	-17	-20	-30
1.Max Static	F lbf	6900	5800	4800	4000	3300
	d in	0,91	1,2	1,5	1,9	2,3
2.Max Shock	F lbf	19000	16000	13000	11000	8600
	d in	5,4	6,9	8,5	10	13
3.Max Vibration	2a in	0,60	0,75	0,94	1,1	1,4
	f Hz	3,6	3,2	2,8	2,6	2,3
1.Max Static	F lbf	6900	5800	4800	4000	3300
	d in	0,71	0,92	1,0	1,3	1,5
2.Max Shock	F lbf	55000	44000	35000	28000	23000
	d in	3,5	4,0	4,7	5,4	6,3
3.Max Vibration	2a in	0,38	0,44	0,52	0,59	0,69
	f Hz	4,6	4,2	3,9	3,6	3,3



SHEAR OR ROLL

HH23 Series	Model	-12	-15	-17	-20	-30
1.Max Static	F lbf	4600	3900	3200	2700	2200
	d in	0,86	1,1	1,3	1,6	2,1
2.Max Shock	F lbf	31000	24000	19000	15000	12000
	d in	4,0	4,8	5,8	6,8	8,1
3.Max Vibration	2a in	0,44	0,53	0,63	0,75	0,89
	f Hz	1,6	1,5	1,4	1,3	1,2

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