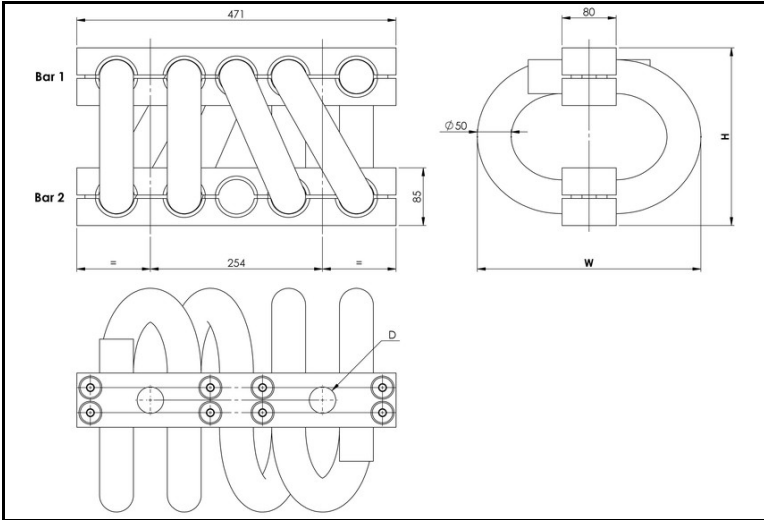


WIRE ROPE ISOLATOR

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 milimeters. 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 (mm)	width W (mm)	weight (kg)
-12	262	330	42,1
-15	289	360	45,9
-17	320	395	50,1
-20	356	434	55
-30	397	480	60,6

INTERFACES	Bar 1		
fixtures holes D	2 through holes ø39mm	2 through holes ø39mm counter- sunk 60°	2 inserts M36
Bar 2			
2 through holes ø39mm	TM2	not standard	not standard
2 through holes ø39mm counter- sunk 60°	TCM	CM2	not standard
2 inserts M36	TIM	CIM	IM2

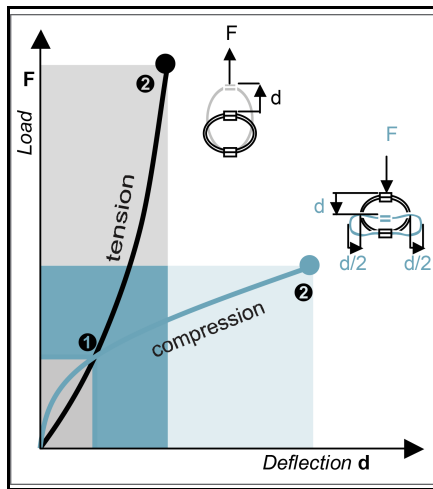
H	H	2	3	-	1	2	C	I	M
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SERIE: HH23
'Half-Helical' mount from
the HH23 series

MODEL: -12
height: 262mm
width: 330mm
weight: 42,1kg
loops: serie
standard is 04 loops

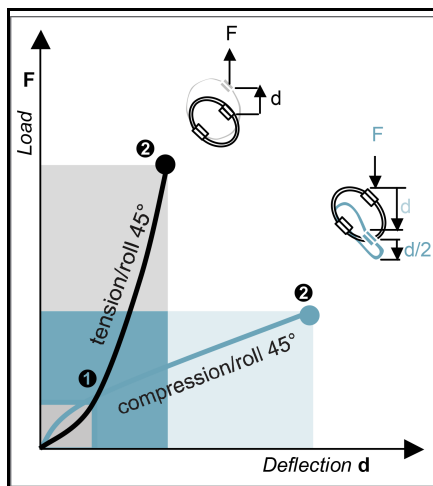
INTERFACE: CIM
2 through holes ø39mm
counter-sunk 60° in bar 1,
2 inserts M36 in bar 2





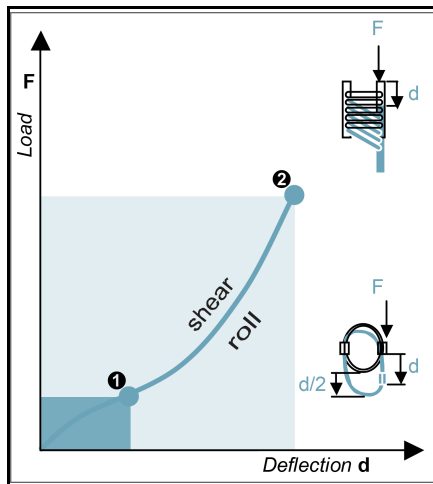
COMPRESSION AND TENSION

HH23 Series	Model	-12	-15	-17	-20	-30
1.Max Static	F daN	4112	3457	2862	2368	1933
	d mm	16,9	21,4	26,6	32,5	39,4
2.Max Shock	F daN	12338	10372	8588	7105	5800
	d mm	91	116	144	176	213
3.Max Vibration	2a mm	10,1	12,8	15,8	19,4	23,5
	f Hz	4,7	4,2	3,8	3,4	3,2
1.Max Static	F daN	4112	3457	2862	2368	1933
	d mm	15,3	18,5	22,2	26,3	31,1
2.Max Shock	F daN	48986	39256	31423	25146	20103
	d mm	77	89	104	119	139
3.Max Vibration	2a mm	8,5	9,8	11,5	13,2	15,3
	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 daN	3084	2593	2147	1776	1450
	d mm	23	29,9	37,8	47,3	58
2.Max Shock	F daN	8316	6935	5709	4695	3818
	d mm	137	174	216	264	319
3.Max Vibration	2a mm	15,2	19,2	23,8	29,1	35,2
	f Hz	3,6	3,2	2,8	2,6	2,3
1.Max Static	F daN	3084	2593	2147	1776	1450
	d mm	18,2	23,4	26,4	33,9	38,6
2.Max Shock	F daN	24597	19661	15707	12546	10017
	d mm	88	102	119	136	159
3.Max Vibration	2a mm	9,7	11,2	13,1	15,1	17,5
	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 daN	2056	1728	1431	1184	966
	d mm	21,8	28,3	31,9	41,2	53,6
2.Max Shock	F daN	13987	10811	8397	6553	5129
	d mm	100	121	146	173	206
3.Max Vibration	2a mm	11,1	13,4	16,1	19,1	22,7
	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

