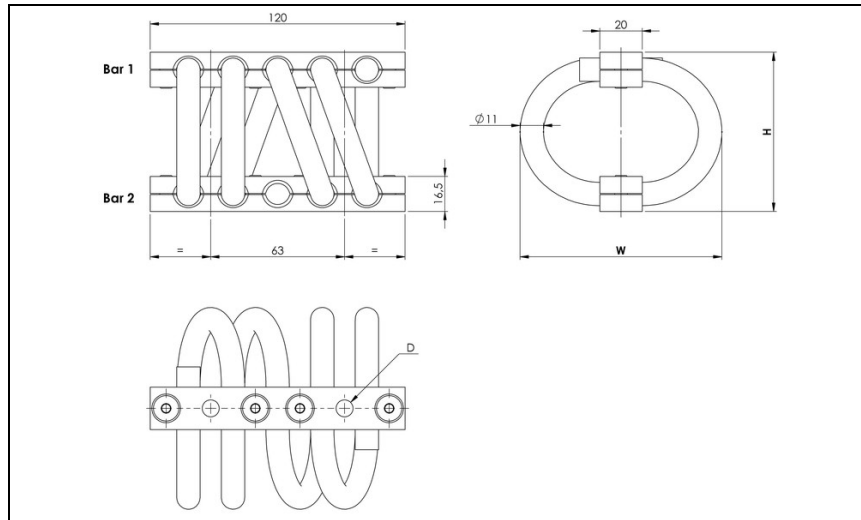




- All metal multidirectional anti-vibration/shock mounts
- Exceptional reliability and long life
- High damping
- No aging
- Corrosion resistant
- Unequalled temperature range : - 180°C to 300°C (-290°F to 570°F)
- Great adaptability/versatility

Specials on request
(material size and number of loops, etc.)

Dimensions are in millimeters. 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 (mm)	width W (mm)	weight (kg)
-20	68	83	0.53
-24	71	87	0.55
-32	74	93	0.58
-36	77	107	0.62
-38	89	111	0.67
-44	105	124	0.76
-46	108	143	0.82
-48	124	146	0.88
-50	134	156	0.94
-52	155	183	1.1

INTERFACES			
fixtures holes D	Bar 1		
	2 through holes ø8,8mm	2 through holes ø8,8mm countersunk 90°	2 inserts M8
Bar 2			
2 through holes ø8,8mm	TM2	not standard	not standard
2 through holes ø8,8mm countersunk 90°	TCM	CM2	not standard
2 inserts M8	TIM	CIM	IM2

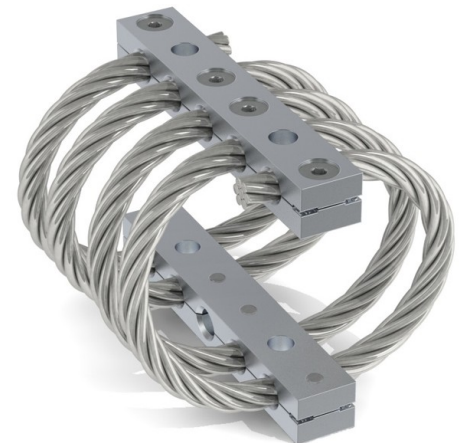
H	H	4	8	-	2	0	0	4	C	I	M
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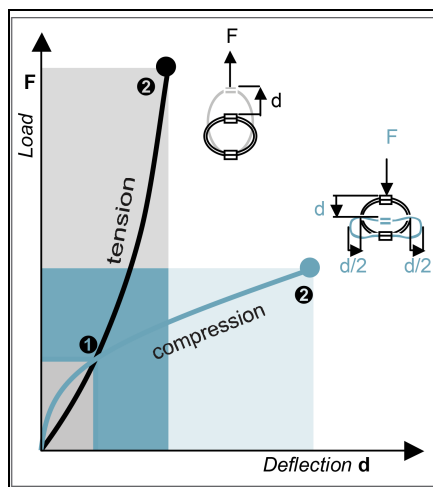
SERIE: HH48
'Half-Helical' mount from
the HH48 series

MODEL: -20
height: 68mm
width: 83mm
weight: 0.53kg

LOOPS: 04
Serie
standard is
04 loops

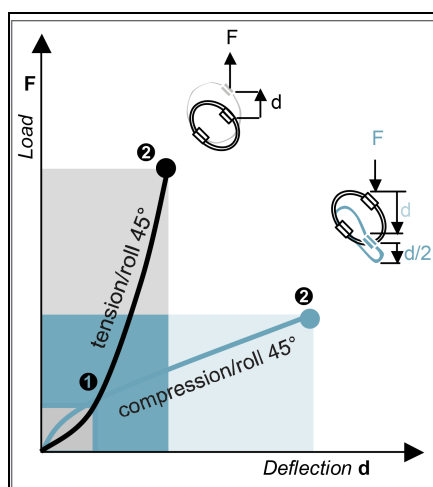
INTERFACE: CIM
2 through holes ø8,8mm
countersunk 90° in bar 1,
2 inserts M8 in bar 2





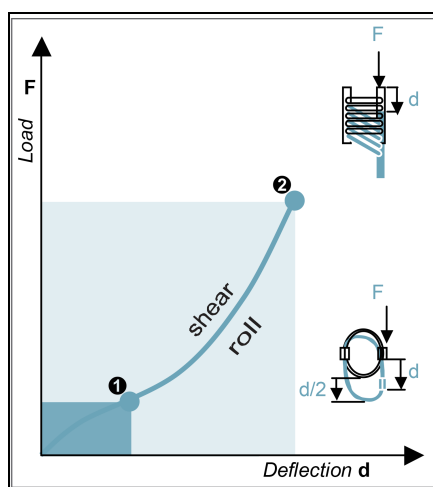
COMPRESSION AND TENSION

HH48 Series	Model	-20	-24	-32	-36	-38	-44	-46	-48	-50	-52
1.Max Static	F daN	159	143	122	87.8	84.9	68.7	50.2	49.6	43.7	32.1
	d mm	5.8	6.3	6.8	7.3	9.3	12	12.4	15.1	16.8	20.3
2.Max Shock	F daN	478	430	368	263	254	206	150	148	131	96.3
	d mm	31	34	36	39	50	64	67	81	90	109
3.Max Vibration	2a mm	3.5	3.8	4.1	4.4	5.5	7.1	7.4	9	10	12.1
	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 daN	159	143	122	87.8	84.9	68.7	50.2	49.6	43.7	32.1
	d mm	4.4	4.8	5.4	7	7.3	8.6	10.8	10.8	11.8	14.7
2.Max Shock	F daN	1593	1444	1295	1113	882	658	574	476	413	310
	d mm	18	20	24	36	32	35	52	45	48	61
3.Max Vibration	2a mm	2.1	2.3	2.7	4.1	3.6	3.9	5.8	5	5.4	6.8
	f Hz	11.1	10.6	9.8	8.3	8.5	8	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 daN	119	107	92.2	65.9	63.7	51.5	37.7	37.2	32.8	24.1
	d mm	7.2	7.8	10	11.6	13.7	15.4	17.3	19.4	21.8	25.8
2.Max Shock	F daN	312	281	243	179	167	133	100	96.5	84.7	62.5
	d mm	47	51	55	59	75	97	101	122	136	164
3.Max Vibration	2a mm	5.2	5.6	6.1	6.5	8.3	10.7	11.1	13.5	15	18.1
	f Hz	6.2	6	5.6	5.4	4.8	4.3	4.2	3.8	3.6	3.3
1.Max Static	F daN	119	107	92.2	65.9	63.7	51.5	37.7	37.2	32.8	24.1
	d mm	5.8	5.6	6.9	7.8	9.1	10.5	13.9	13.3	14.1	18.3
2.Max Shock	F daN	791	718	645	560	439	326	287	235	204	154
	d mm	21	23	28	42	37	40	60	51	55	70
3.Max Vibration	2a mm	2.4	2.6	3.1	4.6	4.1	4.5	6.6	5.7	6.2	7.8
	f Hz	9	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 daN	79.8	71.8	61.5	43.9	42.5	34.3	25.1	24.8	21.8	16
	d mm	7.6	8.3	8.5	9.5	12.5	17.1	17.1	21.4	23	28.7
2.Max Shock	F daN	422	379	337	282	222	161	140	115	99.2	73.9
	d mm	29	32	36	46	48	57	71	73	80	99
3.Max Vibration	2a mm	3.2	3.5	4	5.1	5.4	6.4	7.8	8.1	8.8	10.9
	f Hz	3.2	3	2.8	2.4	2.5	2.4	2	2.1	2	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

