

- 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)
<b>HH19</b>
<b>Cable:</b> stainless steel galvanized available: HHG
<b>Retainer bars:</b> aluminium alloy/ SurTec
<b>Screws:</b> alloy steel/zinc plate
<b>Inserts:</b> stainless steel
All stainless steel: HHSS
Other materials on request

MODEL			
	height H (mm)	width W (mm)	weight (kg)
-10	182	216	10,8
-12	216	245	12,2
-15	235	264	13,0

INTERFACES			
fixtures holes D	Bar 1		
	2 through holes ø20mm	2 through holes ø20mm countersunk k 90°	2 inserts M18
Bar 2			
2 through holes ø20mm	TM2	not standard	not standard
2 through holes ø20mm countersunk 90°	TCM	CM2	not standard
2 inserts M18	TIM	CIM	IM2

**H H 1 9 - 1 0 C I M**

SERIE: HH19

'Half-Helical' mount from the HH19 series

MODEL: -10

height: 182mm

width: 216mm

weight: 10,8kg

loops: serie

standard is 04 loops

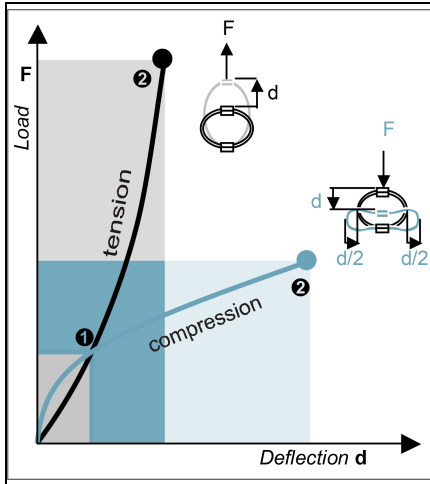
INTERFACE: CIM

2 through holes ø20mm

countersunk 90° in bar 1,

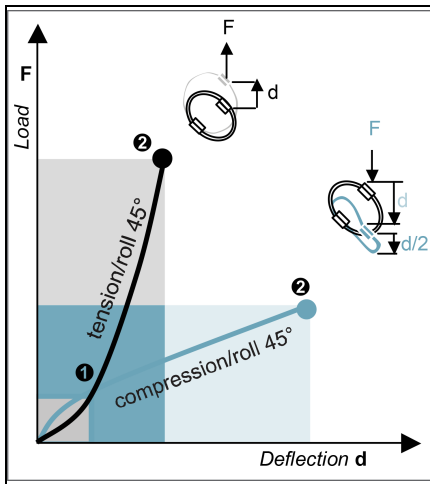
2 inserts M18 in bar 2





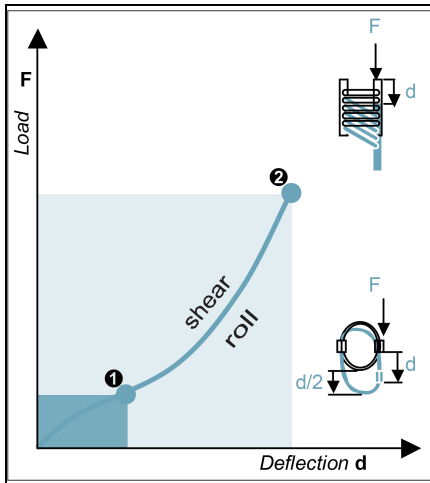
### COMPRESSION AND TENSION

HH19 Series	Model	-10	-12	-15
1. Max Static	F daN	1045	830	716
	d mm	12,8	18,4	21,6
2. Max Shock	F daN	3135	2491	2149
	d mm	69	99	117
3. Max Vibration	2a mm	7,6	11,0	12,9
	f Hz	4,7	3,8	3,4
1. Max Static	F daN	1045	830	716
	d mm	11,0	14,0	16,0
2. Max Shock	F daN	11866	8366	7039
	d mm	53	61	68
3. Max Vibration	2a mm	5,9	6,7	7,5
	f Hz	6,1	5,4	5,1



### COMPRESSION/ROLL 45° - TENSION/ROLL 45°

HH19 Series	Model	-10	-12	-15
1. Max Static	F daN	783	622	537
	d mm	20,3	27,2	31,3
2. Max Shock	F daN	2096	1630	1400
	d mm	103	149	175
3. Max Vibration	2a mm	11,4	16,5	19,3
	f Hz	4,0	3,2	2,9
1. Max Static	F daN	783	622	537
	d mm	14,5	18,5	21,1
2. Max Shock	F daN	5943	4160	3495
	d mm	61	69	77
3. Max Vibration	2a mm	6,7	7,7	8,6
	f Hz	5,4	4,8	4,6



### SHEAR OR ROLL

HH19 Series	Model	-10	-12	-15
1. Max Static	F daN	522	415	358
	d mm	16,8	25,4	30,3
2. Max Shock	F daN	3245	2161	1778
	d mm	72	93	107
3. Max Vibration	2a mm	8,0	10,3	11,8
	f Hz	4,5	3,9	3,6

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