

- 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**

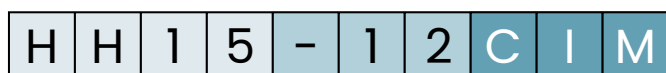
(material size and number of loops, etc.)

*Dimensions are in millimeters. For reference only*

SERIES
Materials and finishes (meets RoHS requirements)
<b>HH15</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)
-12	87	102	1,4
-15	94	112	1,5
-17	98	120	1,6
-20	107	135	1,7
-30	117	152	1,9
-40	125	165	2,1
-50	135	178	2,3
-60	146	185	2,3

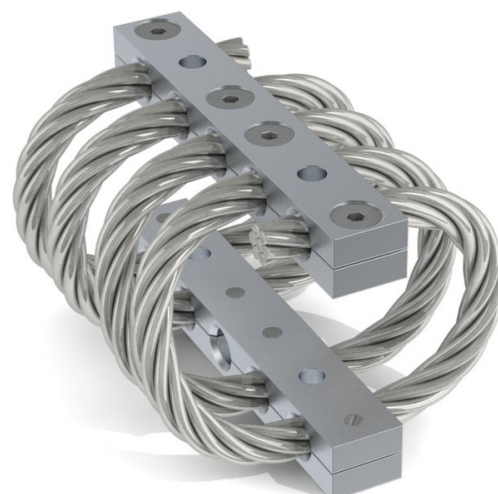
INTERFACES			
fixtures holes D	Bar 1		
	2 through holes ø10,8mm	2 through holes ø10,8mm countersunk 90°	2 inserts M10
Bar 2			
2 through holes ø10,8mm	TM2	not standard	not standard
2 through holes ø10,8mm countersunk 90°	TCM	CM2	not standard
2 inserts M10	TIM	CIM	IM2

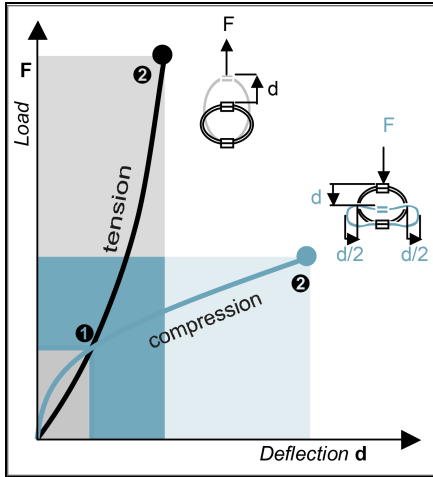


**SERIE: HH15**  
'Half-Helical' mount from the HH15 series

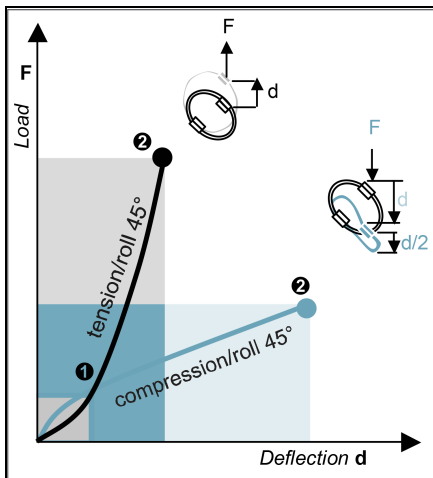
**MODEL: -12**  
height: 87mm  
width: 102mm  
weight: 1,4kg  
loops: serie standard is 04 loops

**INTERFACE: CIM**  
2 through holes ø10,8mm countersunk 90° in bar 1,  
2 inserts M10 in bar 2

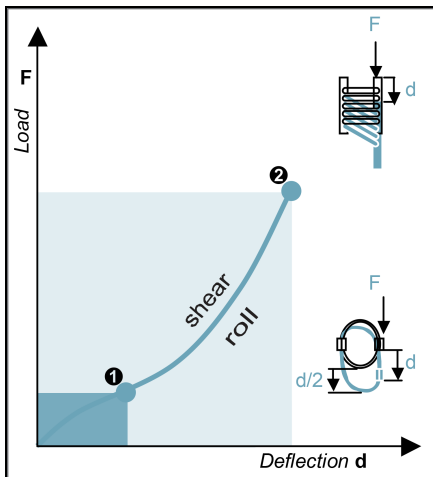




		Model	-12	-15	-17	-20	-30	-40	-50	-60
1. Max Static	F daN	439	360	307	238	186	157	136	128	
	d mm	6,1	7,3	8,0	9,5	11,1	12,4	14,1	15,9	
2. Max Shock	F daN	1319	1080	923	716	558	472	408	384	
	d mm	33	39	43	51	60	67	76	86	
3. Max Vibration	2a mm	3,7	4,4	4,8	5,6	6,6	7,4	8,4	9,5	
	f Hz	6,6	6,1	5,9	5,5	5,1	4,8	4,5	4,2	
1. Max Static	F daN	439	360	307	238	186	157	136	128	
	d mm	4,8	5,9	6,7	8,3	10,1	11,5	12,9	13,7	
2. Max Shock	F daN	4562	3811	3409	2760	2240	1933	1652	1446	
	d mm	21	26	31	40	51	59	66	65	
3. Max Vibration	2a mm	2,4	2,9	3,5	4,5	5,7	6,6	7,3	7,2	
	f Hz	9,2	8,4	7,8	7,0	6,3	5,9	5,6	5,5	



		Model	-12	-15	-17	-20	-30	-40	-50	-60
1. Max Static	F daN	329	270	230	179	139	118	102	96,2	
	d mm	9,2	11,1	12,5	15,2	18,1	20,5	23,1	25,2	
2. Max Shock	F daN	868	713	614	480	377	320	276	257	
	d mm	49	59	64	76	90	101	114	129	
3. Max Vibration	2a mm	5,5	6,5	7,1	8,5	10,0	11,1	12,6	14,3	
	f Hz	5,6	5,1	5,0	4,6	4,3	4,1	3,8	3,5	
1. Max Static	F daN	329	270	230	179	139	118	102	96,2	
	d mm	6,4	7,7	8,8	10,9	13,2	15,0	16,9	17,9	
2. Max Shock	F daN	2272	1901	1705	1383	1125	972	830	723	
	d mm	24	30	36	46	58	68	75	75	
3. Max Vibration	2a mm	2,7	3,4	4,0	5,1	6,5	7,5	8,3	8,2	
	f Hz	8,3	7,5	7,0	6,3	5,7	5,3	5,0	4,9	



		Model	-12	-15	-17	-20	-30	-40	-50	-60
1. Max Static	F daN	219	180	153	119	93,1	78,8	68,1	64,2	
	d mm	8,1	9,8	10,9	13,2	15,9	18,1	20,7	23,4	
2. Max Shock	F daN	1246	1013	894	705	559	475	401	349	
	d mm	32	38	44	54	66	76	85	90	
3. Max Vibration	2a mm	3,5	4,3	4,9	6,0	7,4	8,4	9,4	9,9	
	f Hz	6,7	6,1	5,7	5,2	4,8	4,5	4,2	4,0	

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