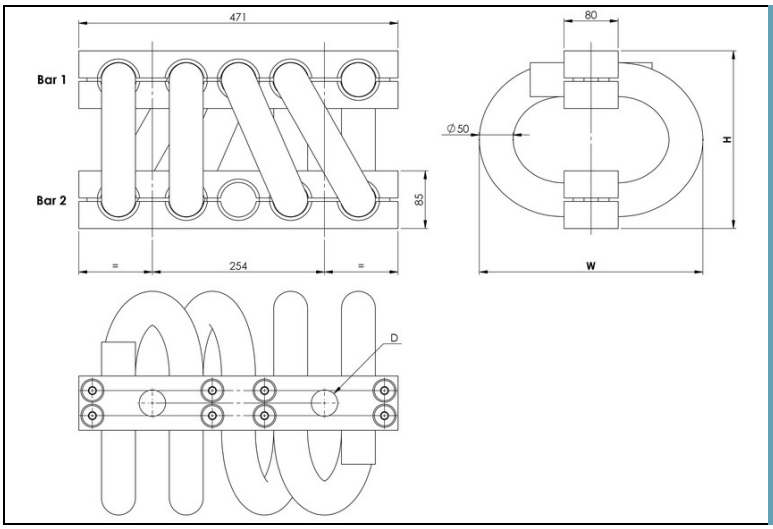
# WIRE ROPE ISOLATOR

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 | 55,0 |
| -30 | 397 | 480 | 60,6 |

## INTERFACES

| fixtures holes D | Bar 1 | | |
|---|---|---|---|
| Bar 2 | 2 through holes ø39mm | 2 through holes ø39mm counter-sunk 60° | 2 inserts M36 |
| 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 |
|---|---|---|---|---|---|---|---|---|---|

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

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

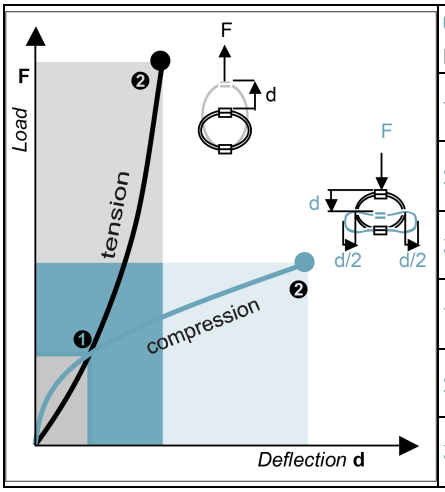
INTERFACE: CIM
2 through holes ø39mm counter-sunk 60° in bar 1,
2 inserts M36 in bar 2


SOCITEC

ISO 9001 BUREAU VERITAS Certification

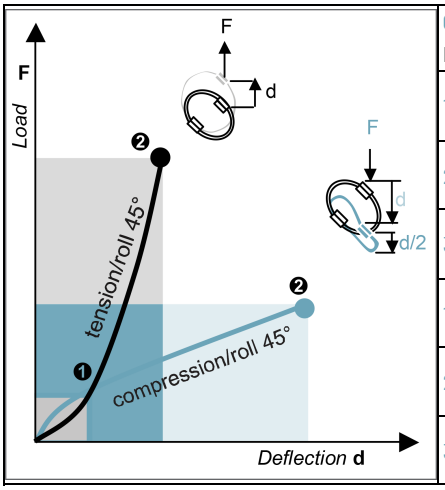
RoHS COMPLIANT

# WIRE ROPE ISOLATOR



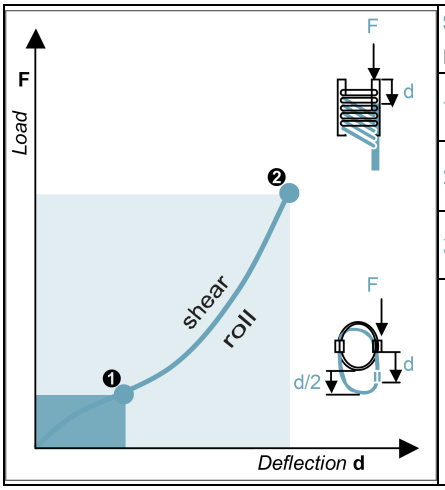

**COMPRESSION AND TENSION**

| HH23 Series | Model | -12 | -15 | -17 | -20 | -30 |
|---|---|---|---|---|---|---|
| 1. Max Static | F daN | 3733 | 3195 | 2682 | 2242 | 1846 |
| | d mm | 15,3 | 19,8 | 24,9 | 30,9 | 37,7 |
| 2. Max Shock | F daN | 11200 | 9587 | 8046 | 6727 | 5538 |
| | d mm | 82 | 107 | 135 | 167 | 204 |
| 3. Max Vibration | 2a mm | 9,1 | 11,8 | 14,8 | 18,4 | 22,5 |
| | f Hz | 4,4 | 3,9 | 3,4 | 3,0 | 2,7 |
| 1. Max Static | F daN | 3733 | 3195 | 2682 | 2242 | 1846 |
| | d mm | 15,2 | 18,6 | 22,4 | 26,6 | 31,5 |
| 2. Max Shock | F daN | 50171 | 39925 | 31811 | 25367 | 20233 |
| | d mm | 85 | 97 | 112 | 128 | 147 |
| 3. Max Vibration | 2a mm | 9,4 | 10,7 | 12,4 | 14,1 | 16,2 |
| | f Hz | 5,1 | 4,7 | 4,3 | 3,9 | 3,6 |




**COMPRESSION/ROLL 45° - TENSION/ROLL 45°**

| HH23 Series | Model | -12 | -15 | -17 | -20 | -30 |
|---|---|---|---|---|---|---|
| 1. Max Static | F daN | 2800 | 2396 | 2011 | 1681 | 1384 |
| | d mm | 26,1 | 32,8 | 40,4 | 48,9 | 58,6 |
| 2. Max Shock | F daN | 7689 | 6511 | 5419 | 4495 | 3680 |
| | d mm | 124 | 160 | 202 | 251 | 306 |
| 3. Max Vibration | 2a mm | 13,7 | 17,7 | 22,3 | 27,6 | 33,7 |
| | f Hz | 3,7 | 3,2 | 2,8 | 2,5 | 2,3 |
| 1. Max Static | F daN | 2800 | 2396 | 2011 | 1681 | 1384 |
| | d mm | 19,7 | 24,2 | 29,3 | 34,9 | 41,3 |
| 2. Max Shock | F daN | 25343 | 20097 | 15969 | 12702 | 10113 |
| | d mm | 97 | 111 | 128 | 146 | 168 |
| 3. Max Vibration | 2a mm | 10,7 | 12,3 | 14,1 | 16,1 | 18,5 |
| | f Hz | 4,6 | 4,2 | 3,8 | 3,5 | 3,2 |




**SHEAR OR ROLL**

| HH23 Series | Model | -12 | -15 | -17 | -20 | -30 |
|---|---|---|---|---|---|---|
| 1. Max Static | F daN | 1866 | 1597 | 1341 | 1121 | 923 |
| | d mm | 19,5 | 26,0 | 33,8 | 42,9 | 53,4 |
| 2. Max Shock | F daN | 14277 | 10921 | 8415 | 6526 | 5082 |
| | d mm | 102 | 123 | 147 | 175 | 207 |
| 3. Max Vibration | 2a mm | 11,2 | 13,6 | 16,3 | 19,3 | 22,8 |
| | f Hz | 3,9 | 3,5 | 3,2 | 2,9 | 2,7 |

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 |