7002 SERIES

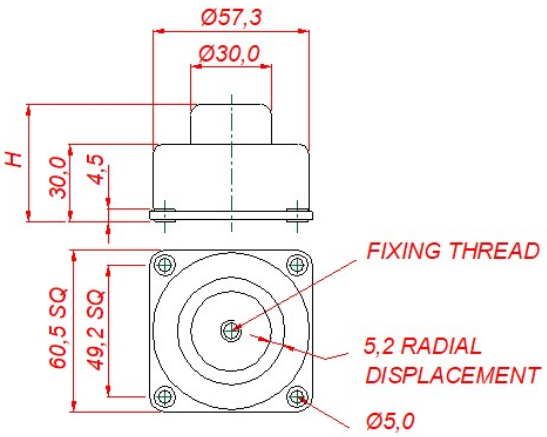
Mount

DESCRIPTION

The mounting consists of stainless steel springs and resilient knitted stainless-steel pads. The housing and base are made from anodised aluminium alloy. Securing is through tin plated brass eyelets. **Weight approximately 125 grams.**

APPLICATION

Shock and Vibration Isolation of aerospace, marine and mobile applications in military and civil roles.



DYNAMIC CHARACTERISTICS

Ratio between transverse and axial stiffness (vertical) = approximately 1 to 2.5	
Natural Frequency:	7 to 10 Hz vertical
	4.5 to 6 Hz transverse, depending on load, for a displacement input +/- 0.75mm
Displacement input:	+/-0.35mm
Transmissibility:	<4:1

LOADING LIMITATIONS

Just prior to abutting the snubber, load corresponds to a continuous acceleration of at least 2g. Loads corresponding to at least 10g may be accepted without affecting the mount performance. Maximum displacement of the suspended unit under limiting loads +/-6 mm. There is no alteration in characteristics between -70° C and +175°C.

Size	Load Range, kg
1	0.70 – 1.25
2	1.15 – 2.3
3	2.0 – 4.5
4	2.8 – 5.6
5	4.5 – 9.0
6	7.0 – 14.0
7	8.0 – 18.0
8	16.0 – 22.0
9	20.0 – 33.0
10	33.0 – 60.0
11	60.0 – 110.0
12	2.55 – 4.60

Height, H	Short Stud	Long Stud
Free	40	45
Loaded	35	40

Part Number Configuration

7002- [ ] [ ] [ ]

- Series
- Size
- Thread
  - A = ¼"-20 UNC
  - B = ¼"-28 UNF
  - C = M6 x 1.0
  - D = M8 x 1.25
  - H = 3/8"-24 UNF (long stud only)
- Stud Length

Ordering Example

7002- 6 C S

Size no.: **6**, 7.0 - 14 kg

Thread: **C**, M6 x 1.0

Stud Length: **S**, Short