

7001 Series



APPLICATIONS

Shock and Vibration Isolation of aerospace, marine and mobile applications in military and civil roles, including some rotating machines.

DESCRIPTION

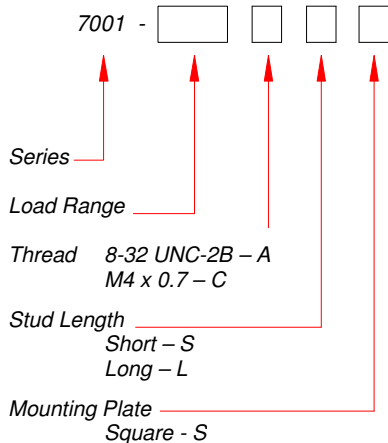
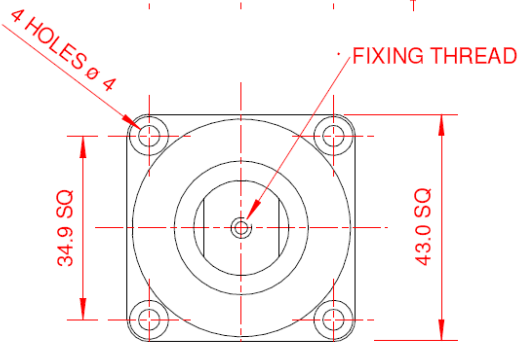
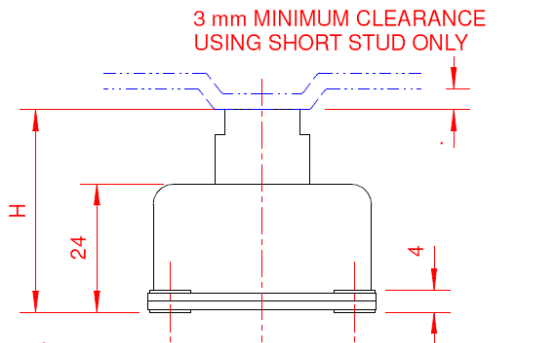
The mounting consists of stainless steel springs and resilient knitted stainless steel pads. The housing, mounting cap and base are made from anodised aluminium alloy. Securing is through tin plated brass eyelets. Weight approximately 40 g.

DYNAMIC CHARACTERISTICS

Ratio between transverse and axial stiffness (vertical)
 = approximately 1 to 2.5
 Natural Frequency
 = 7 to 11 Hz vertical,
 = 4.5 to 7 Hz transverse,
 depending on load, for a 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 +/-5mm. There is no alteration in characteristics between -70°C and +175°C



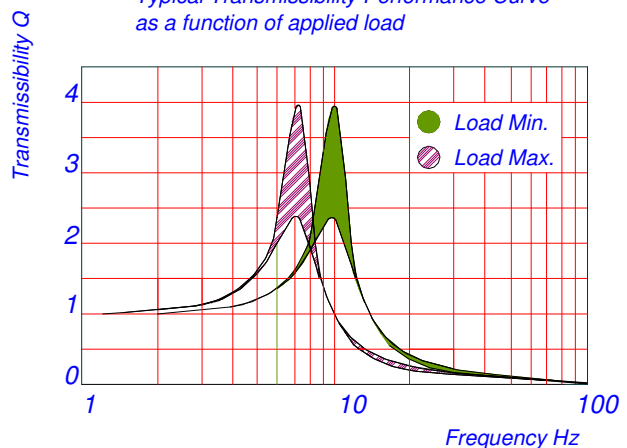
Ordering example:

7001-3CSS Load range 0.7 – 1.50 kg
 Thread type 'C' i.e. M4
 Stud length 'S' i.e. short
 Square Base 'S' (Standard)

Part No.	Load Range, kg
7001-1	0.25 – 0.45
7001-2	0.35 – 0.80
7001-3	0.70 – 1.50
7001-4	1.00 – 2.55
7001-5	2.55 – 4.60

Height, H	Short Stud	Long Stud
Free	38	41
Loaded	27.7	30.7

Typical Transmissibility Performance Curve as a function of applied load



Note: Historically, the 7001 was available with an oval base, e.g. part number 7001-3CSE. This option is no longer available.

CAPARO
DYNAMICS

VIBRATION SHOCK AND NOISE CONTROL



A Division of
CAPARO
 ENGINEERING
 Limited

