S.L.F.® MOUNTS

SILICONE RUBBER / SPECIAL ELECTRONICS / LOW LOADS

Natural frequency : (1)
10 to 25 Hz



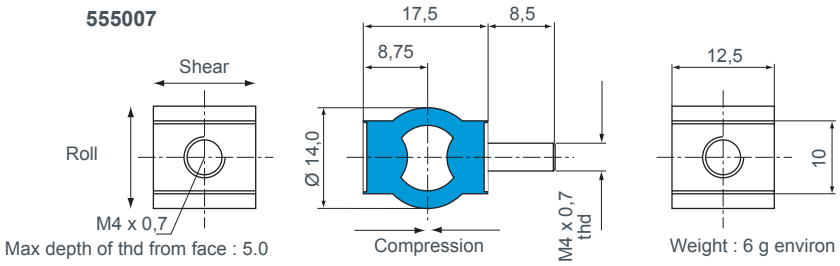
DESCRIPTION

Low frequency high deflection antivibration mount available in rubber silicone. The zinc plated mild steel metalwork is fully bonded for improved fatigue strength.

APPLICATIONS

These mounts have been designed to protect low mass components and instruments from vibration and shock and to isolate small rotating machines e.g. pumps and electric motors.

DIMENSIONS



OPERATING CHARACTERISTICS

Maximum sinusoidal input at resonance :	± 0.5 mm.
Resonance frequencies at maximum input :	10 to 25 Hz dependent on axis and load.
Axial to radial stiffness :	3 : 1.
Amplification at resonance :	silicone : 4 / natural rubber : 10.
Maximum displacement during shock :	axial : 5 mm. radial : 7 mm.

Mechanical strength corresponding to a continuous acceleration of 10 g at maximum load.

Reference	Mix	Static load in compression (daN)	Static load in shear (daN)	Static load in roll en roulis (daN)	Temperature for continuous operation
55500x-42 **55500x-72**	Silicone 42 Sh Silicone 70 Sh	0,10 - 0,50 0,60 - 0,80	0,10 - 0,25 0,25 - 0,50	0,10 - 0,15 0,15 - 0,30	-54 to + 150 °C
55500x-01 **55500x-02**	NR 50 Sh NR 70 Sh	0,10 - 1,50 1,50 - 3,00	0,10 - 0,50 0,50 - 1,00	0,10 - 0,40 0,40 - 0,80	- 40 to + 70 °C

NB : The * define the type of fixing : combination fixing : 555007, male/male fixing : 555005, female/female fixing : 555006.

ASSEMBLY

Improved stability can be achieved if the mounts are inclined at 45° towards the centre of gravity.

1) the indicated natural frequency, are valid for the maxi loads of the ranges of use quoted in the paragraph : TECHNICAL CHARACTERISTICS.