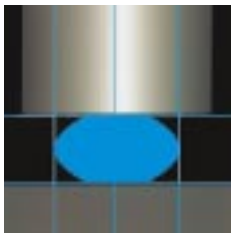
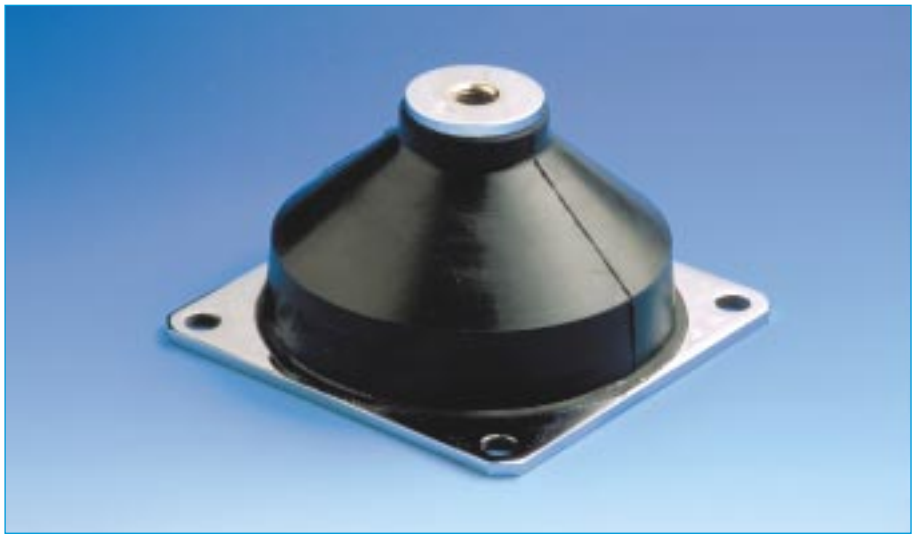


VIBMAR



Natural frequency :
5 to 12 Hz
with nominal load

DESCRIPTION

The VIBMAR series has a base plate with two or four mounting holes and a tapped steel core.
The elastomer is bonded to the steel.

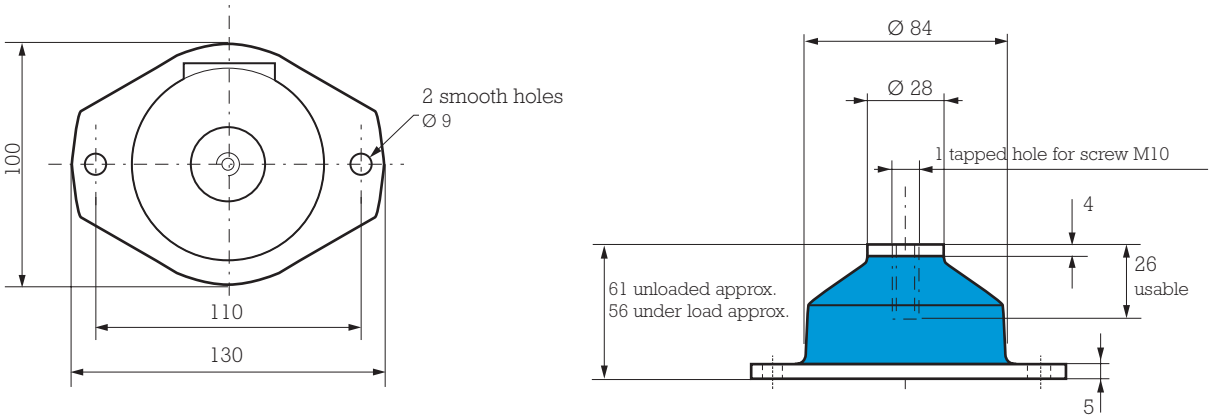
E1N104 and E1N106 versions have a conical spring embedded in the rubber.

Environmental protection is provided by painting the metal parts and by coating the elastomer with an ozone resistant compound.

APPLICATIONS

These multi-axis low frequency dampers have been specially designed to protect electrical or electronic racks and marine or road transport generator sets (on board or not). They are cone-shaped to absorb considerable displacement and shocks.

DIMENSIONS



OPERATING CHARACTERISTICS

Natural frequency:

- axial: 8 to 12 Hz
- radial: 6 to 10 Hz.

Maximum permitted excitation at the natural frequency of suspension: ± 1.25 mm.
Maximum axial travel available for shocks: 30 mm.
Amplification factor at resonance: < 6 and < 4 for silicone rubber versions.
Structural strength corresponding to a continuous accelaration of 3 g with maximum load.
When suspending an enclosure, the same type of damper should be used as a stabiliser.

Operating temperature: - 30°C to + 100°C.
- 54°C to + 150°C for silicone rubber versions.

Weight: 0.6 kg.

Reference	Static loads in daN
E1N2296-01	17-30
E1N2296-02	35-55
E1N2296-03	55-70

SILICONE RUBBER VERSIONS

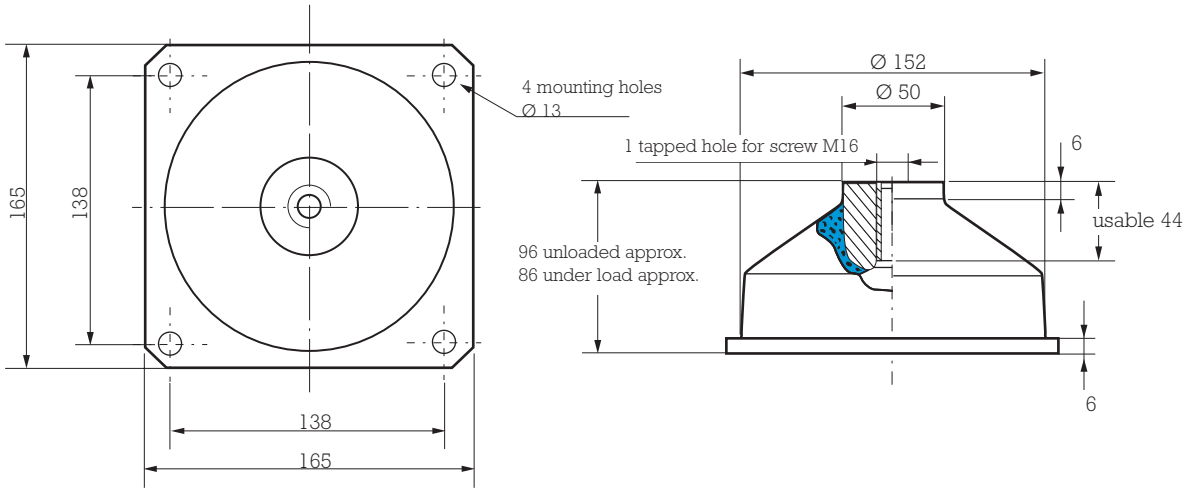
Reference	Static loads in daN
E1N2296 S01	10-18
E1N2296 S02	17-25
E1N2296 S03	20-30

1 kg ≃ 1 daN

Note: Product available with stainless steel plates (ref. E1N-3217) and/or alternative elastomers. Please consult us.

VIBMAR E1N101

DIMENSIONS



OPERATING CHARACTERISTICS

Natural frequency:

- axial: 5 to 9 Hz
- radial: 4.5 to 9 Hz.

Maximum permitted excitation at natural frequency of suspension: ± 1.5 mm.
Maximum travel available for shocks: 30 mm in all directions
Amplification factor at resonance: grade 01 to 04 < 6.
grade 05 to 06 < 10.

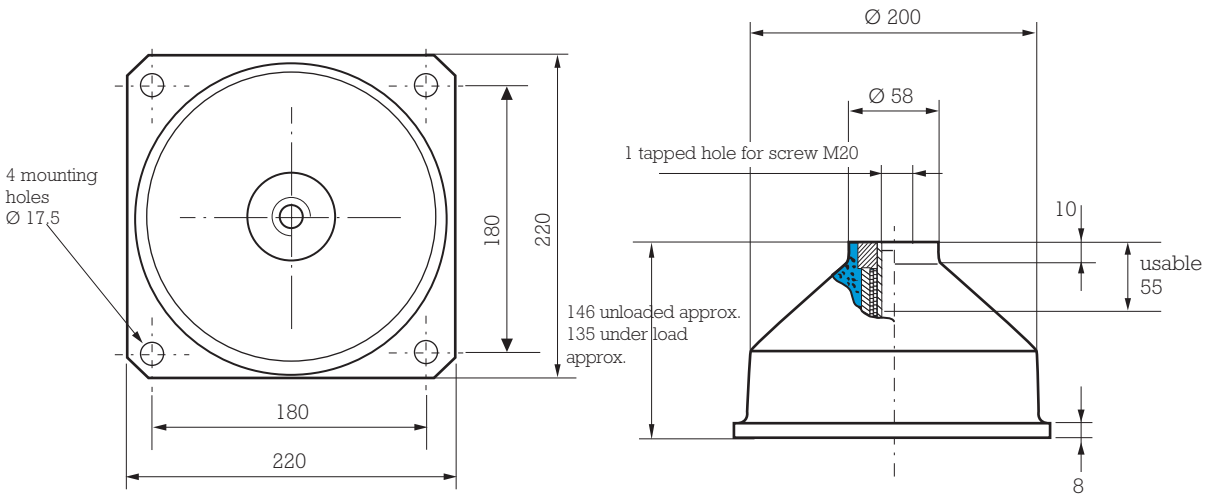
Weight: 2 kg.

Reference	Static loads in daN
E1N101-01	50 - 85
E1N101-02	85 - 120
E1N101-03	100 - 150
E1N101-04	130 - 210
E1N101-05	210 - 310
E1N101-06	310 - 530

1 kg ≃ 1 daN

Note: Product available with stainless steel plates and/or alternative elastomers on special request. Please consult us.

DIMENSIONS



OPERATING CHARACTERISTICS

Natural frequency :

- axial : 5 to 7 Hz
- radial : 6 to 8 Hz.

Maximum permitted excitation at the natural frequency of suspension : ±1.5 mm.
Amplification factor at resonance : 04 < Q < 10.
Maximum axial travel available for shocks : - axial ± 45 mm.
- radial ± 25 mm.
Structural strength corresponding to a continuous accelaration of 10 g with maximum load.

Weight : 2 kg.

Reference	Static loads in daN
E1N104C45AS	200 - 360
E1N104C60AS	360 - 600
E1N104C75AS	500 - 800
E1N106C60AS	700 - 1000
E1N106C75AS	900 - 1300

Note : the mountings may be moulded in other compounds to meet special environmental requirements. Ask us for details.