

GFM-1001 Series

Construction

The GFM-1001 series dampers are made of elastomers with high mechanical properties and elevated damping, allowing to reach a transmissibility at resonance between 4.0 and 5.0 according with loads and input levels

The mechanical parts are made of stainless steel

They are specially recommended for very small loads where you need low frequency also

They are generally mounted like fig.1, enabling a more isotropic insulation

Approximate weight of damper: 5 grams

Codification

The reference to be indicated for these dampers is at follows:

GFM-1001-xx;

[xx] corresponding to the index of load like indicate on graph

Characteristics

Their behaviour frequency against load is quite linear

Like fig.2, the axial vertical axis to radial longitudinal frequency ratio is about 0.8 (radial stiffer than axial)

The axial vertical to radial transversal frequency ratio is about 1.4 (radial smother than axial)

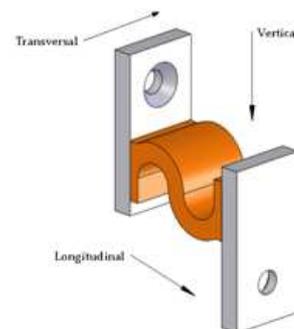
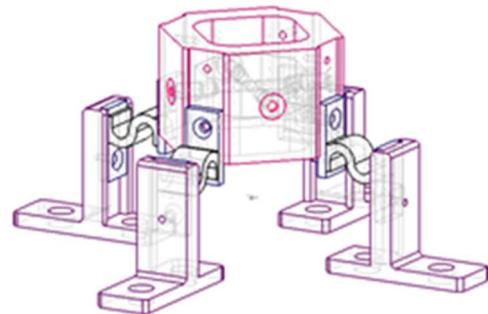
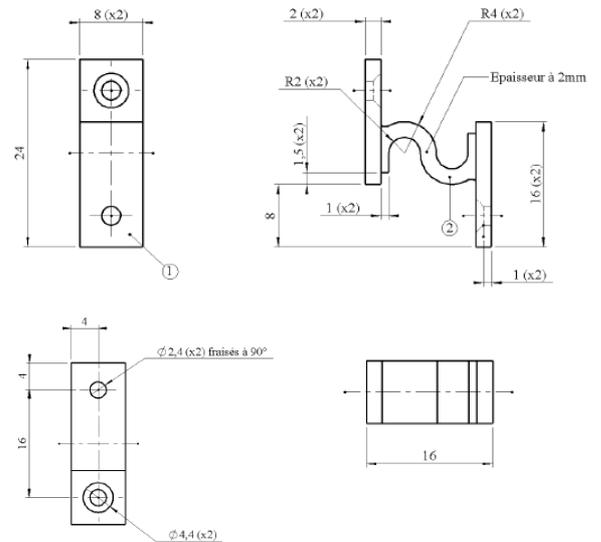
The Q factor is less than 5.0 and could be less than 4.0 on specific requirement

It is recommended to apply the load in axial compression

The maximum admissible input level is about $\pm 0.5\text{mm}$ at his resonance frequency

The maximum static load is about 0.025Kg per damper

The operative temperature range is from -55°C to $+150^{\circ}\text{C}$



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