

GFM-1007 Series

Construction

The GFM-1007 series dampers are made of elastomers with high mechanical properties and elevated damping, allowing to reach a transmissibility at resonance lower than 4 according with loads and input levels

The mechanical parts are made of stainless steel

Their fixing is realized, onto the support plate, by means of a metric threaded bolt M12*0.5 and by means of a centre taped hole of M4

Approximate weight of damper: 16 grams

Codification

The reference to be indicated for these dampers is :
GFM-1007-xx;

[xx] corresponding to the resonance frequency under 150grams unit load and Random level of 0.06g²/Hz

Example: GFM-1007-150, indicate that resonance frequency of mount is 150Hz under Random input 0.06g²/Hz and with a centered axial static load of 0.15Kg per damper

It's possible to achieve this damper with a tapped hole M3

The P/N to indicate is than GFM-1007-150M3

Characteristics

The tolerance of axial resonance frequency is $\pm 10\%$

The axial to radial stiffness ratio is less than 10%

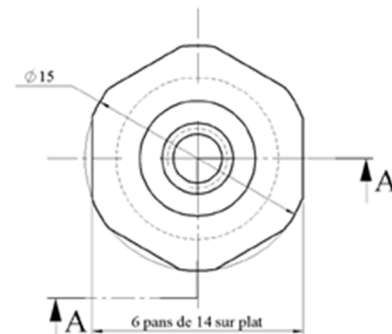
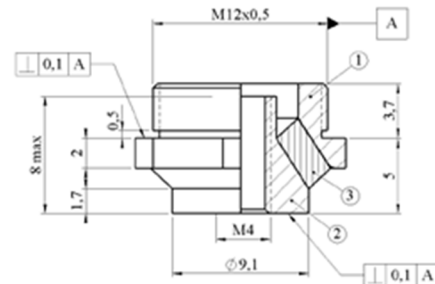
The Q factor is less than 4 for frequencies less than 200Hz

The max input at resonance is $\pm 0.1\text{mm}$

P/N	Dynamic stiffness in N/mm	Max static unit load in Kg
GFM-1007-100	60	0,350
GFM-1007-150	135	0,750
GFM-1007-200	240	0,950

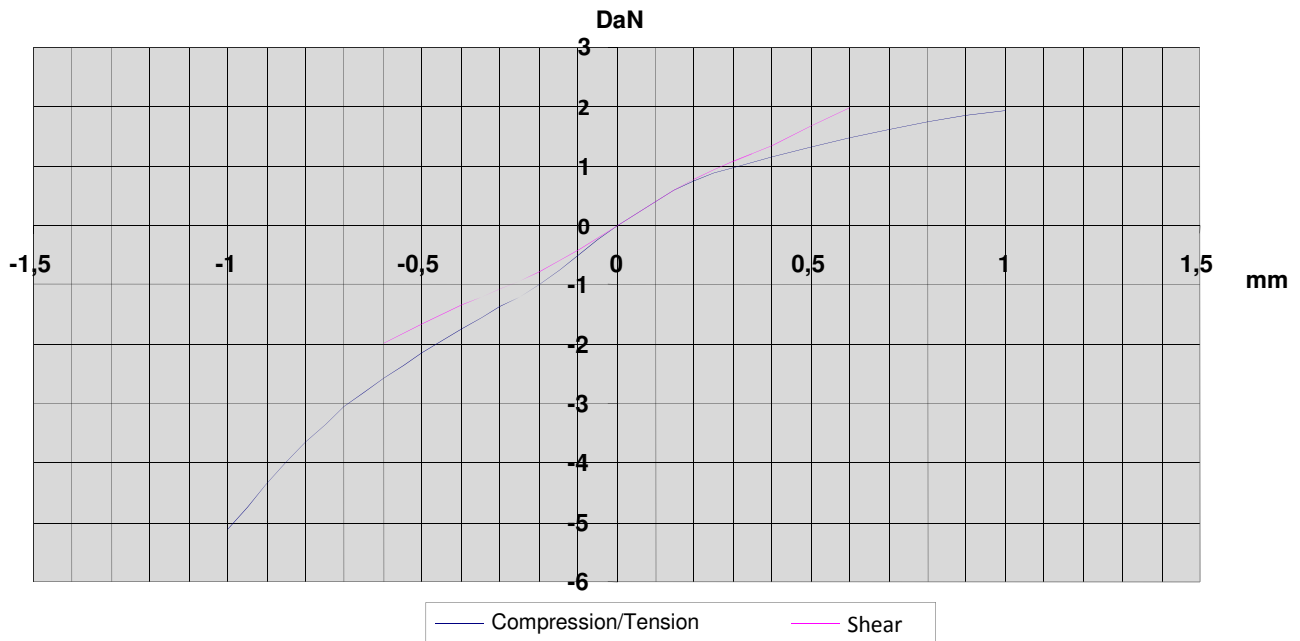
It is possible to apply the load in axial compression and shear directions

The operative temperature range is from -55°C to +150°C



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Static behaviour of damper GFM-1007-100



Static behaviour of damper GFM-1007-150

