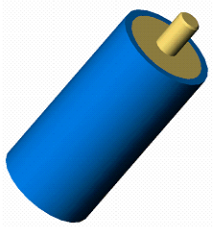
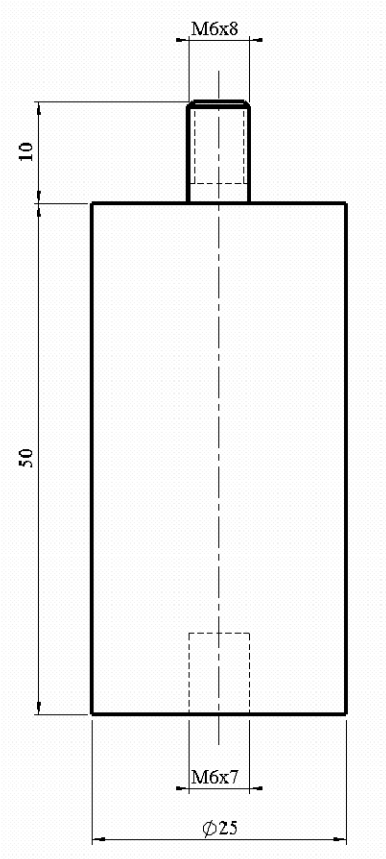
GP 5025 Series





Construction

The *GP 5025* series dampers are made of elastomers with high mechanical fatigue properties and elevated damping, allowing to reach a transmissibility at resonance lower than 3 according with loads and input levels(Q max<7)
The execution "B" is most widespread, but the "A" and "C" execution are also available
Approximate weight of damper : 60 grams

Applications

These dampers are mainly intended for the equipment of suspended frames in containers and carrying boxes for transportation
The obtained performances enable to comply with the environment of the different standards for any type of carrier and any type of ground
In a small size they allow to obtain a low frequency insulation and a very good attenuation of shocks and jerks
There is no metallic continuity and this provides a good sound, thermal and electrical insulation

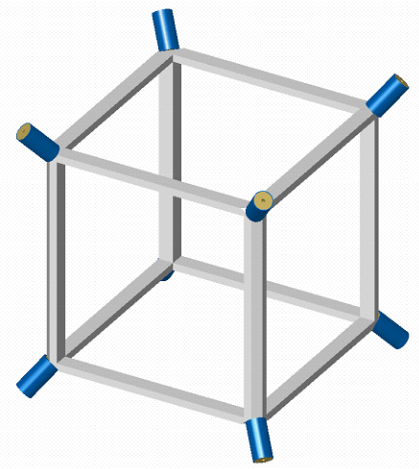
Codification

The reference to be indicated for these dampers is : GP 5025- [X][xx] ;
[X] corresponding of execution ; A : with two threads ; B : with a thread and a taped hole ; C with two taped hols
[xx] corresponding to the index of load range

Particular achievements with specific load range can be proposed, for any request, consult our engineering departments

Characteristics

The axial to radial behaviour is 2,55 for A and B execution and about 2,45 for execution C
The corrective factor to apply on frequency value, is 0,9 for A execution and 1,1 for C execution
The static loading is possible in all attitude
The operative temperature range is from *-55°C to +150°C*
The dampers capacity to accept high displacements in a reduced space taken up, also enable a consequent saving of volume and weight, high displacements of the suspended load with almost identical responses in the 3 axes, and therefore an excellent attenuation of shock and jerks
A mounting , in 45° in all angles, like drawing, is recommended for optimum performances



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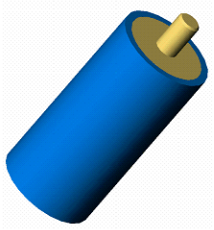

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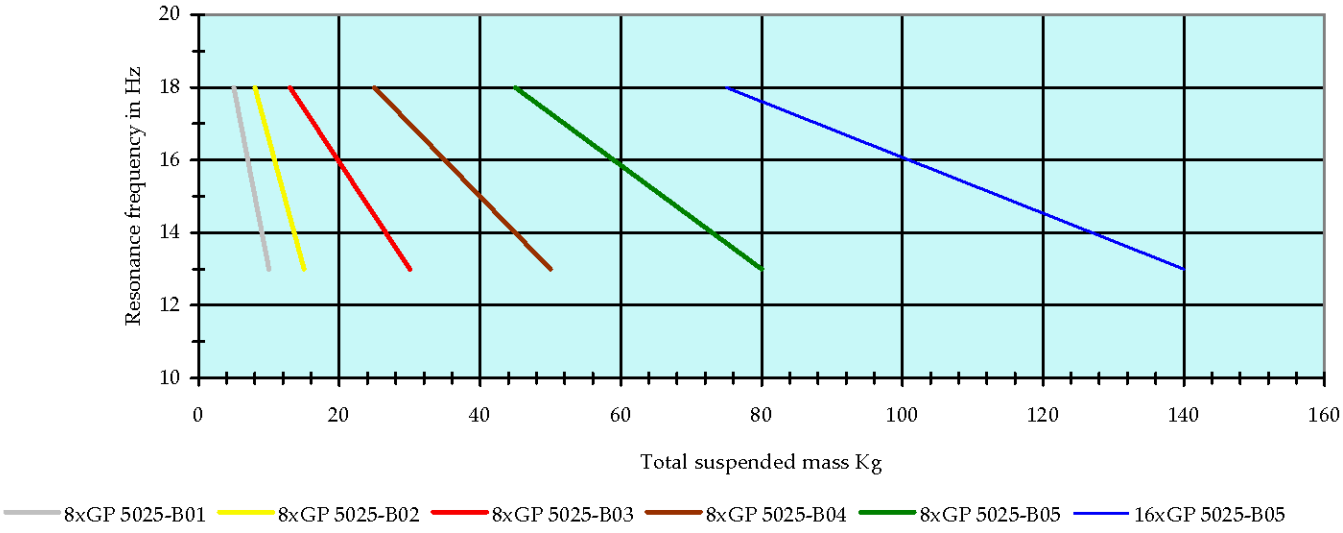
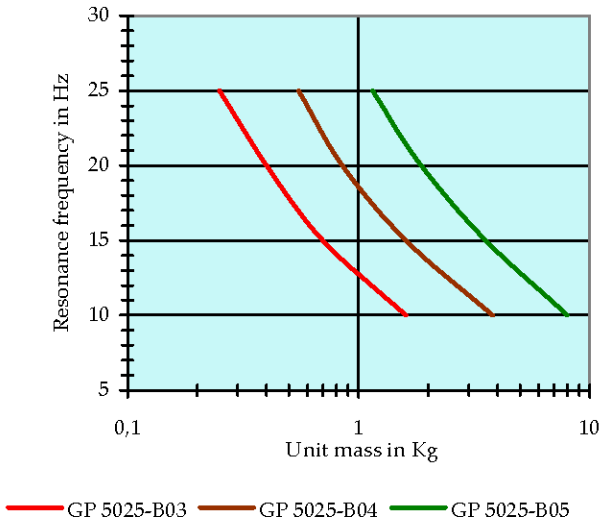
In case of recommended mounting at 45°C, the load range is from 5 to 140 Kg with frequencies from 13 to 18 Hz under ± 0,4mm and attenuation of shocks of about 60%

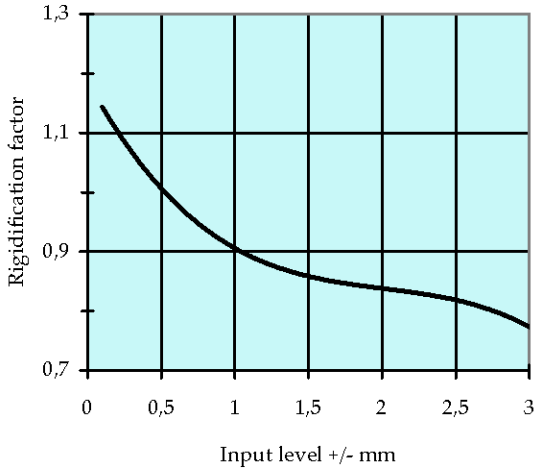
Load range for 8 or 16 isolators system under +/- 0,4mm



Radialy load range under +/- 0,4mm



Typical dynamic rigidification behaviour



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