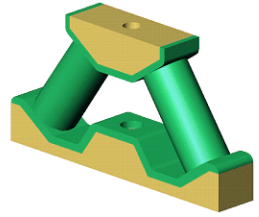


1-DGP Series



Construction

The 1-DGP series dampers are made of high mechanical properties rubbers with high damping in order to reach Q factor at resonance lower than 3, following loads and amplitudes of excitation ($Q_{max}=6$)

Approximate weight of damper : 5 grams

Applications

These dampers are typically used in data processing equipment appliances, disk drives, medical electronics desk-top equipment, video recorders and all small and sensitive equipments mounted on carriers or on fixed stations

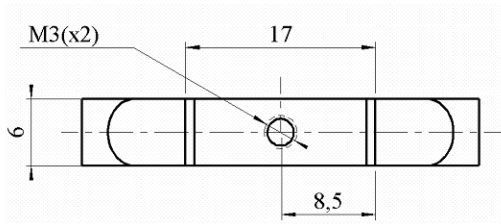
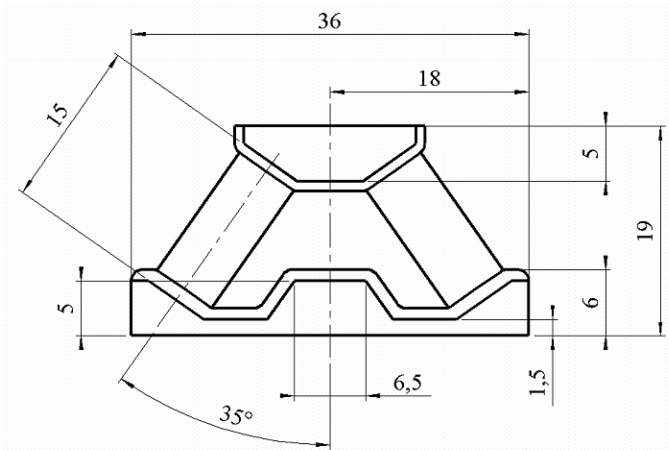
In a small size they allow to obtain low frequencies behaviour under high stress

Codification

The reference to be indicated for these dampers is at follows: 1-DGP-[xx] ;

[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

In case of a typical mounting as showed in figure, their design gives a axial to radial behaviour with a frequency factor of 1,2.

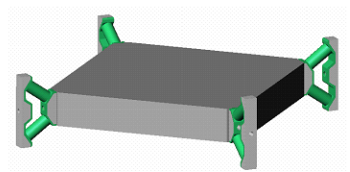
Their ability to accept elongations up to 40mm allows a efficient damping of shocks

The load should be applied preferably in OZ axis (vertical as showed on mounting drawing)

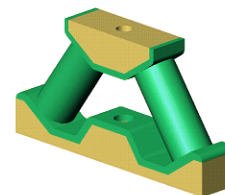
The load range for suspended equipment on 4 dampers is from 0,4kg to 10,0kg

The vibration stress can reach $\pm 1,5mm$ and frequencies from 10Hz

The operative temperature range is from $-55^{\circ}C$ to $+150^{\circ}C$ for silicone made isolators, and from $-20^{\circ}C$ to $+80^{\circ}C$ for butyl made isolators



1-DGP Series

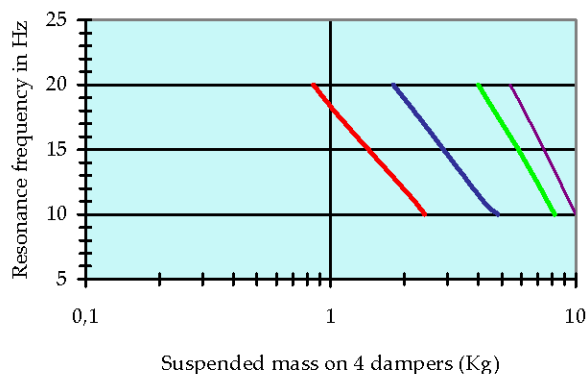
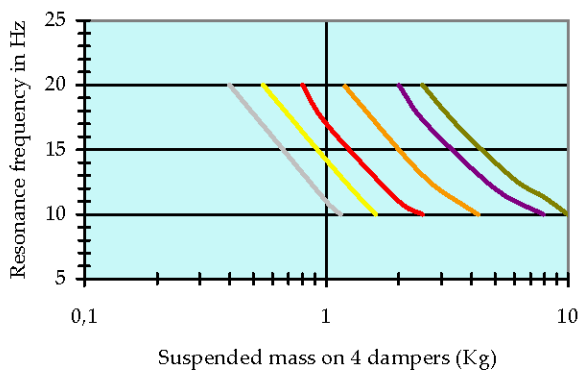


Damper in SILICONE

Damper in BUTYL

Load range under +/- 0,4mm

Load range under +/- 0,4mm

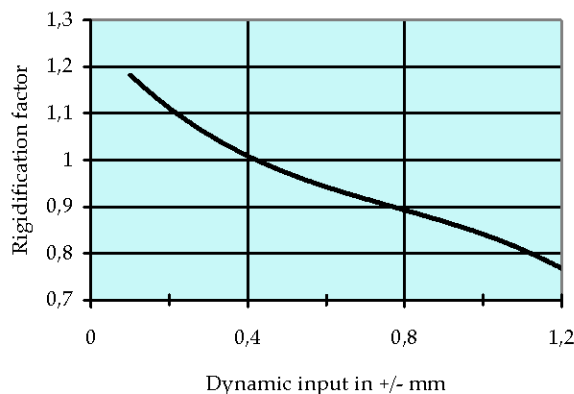
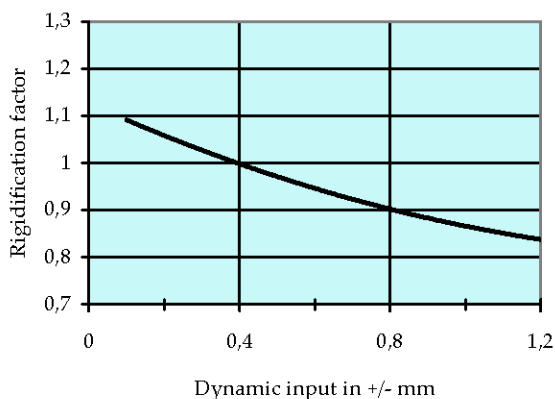


— 1-DGP-11 — 1-DGP-12 — 1-DGP-13
— 1-DGP-14 — 1-DGP-15 — 1-DGP-16

— 1-DGP-02 — 1-DGP-03 — 1-DGP-04 — 1-DGP-05

Typical dynamic rigidification behaviour

Typical dynamic rigidification behaviour



The max loads suitable for a insulation made with 4 dampers are :

1 DGP-11	1 DGP-12	1 DGP-13	1 DGP-14	1 DGP-15	1 DGP-16
1,1 Kg	1,6 Kg	2,5 Kg	4,2 Kg	8,0 Kg	10,0 Kg
1 DGP-02	1 DGP-03	1 DGP-04	1 DGP-05		
2,4 Kg	4,8 Kg	8,2 Kg	10,0 Kg		

