

# BTRM-51 Series

## Construction

The BTRM-51 series dampers are made of stainless steel metal parts and elastic rubber elements mounted in order to achieve a friction damping with low Q factor (<3)  
The mounting is advisable in compression loading  
Their construction is fail-safe

## Applications

These isolators are suitable for insulation of sensitive equipments on carrier or at fixed stations, with a good isolation at 12 Hz under high dynamic input

## Codification

It exist 3 different load ranges for this kind of dampers  
The reference to be indicated is at follows :  
BTRM-51S, BTRM-51N or BTRM-51R  
[S,N,R] 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 vibrations levels can reach  $\pm 1.0\text{mm}$  and this for resonance frequencies from 12 Hz  
The axial to radial frequency factor is about 0.8  
The operative temperature range is from  $-55^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$

The load range under  $\pm 1.0\text{mm}$  are :

	BTRM-51S	BTRM-51N	BTRM-51R
Load Range	6.0 – 12.5 Kg	11.5 – 16.0 Kg	14.0 – 20.0 Kg
For resonance frequencies	15 – 12 Hz	15 – 12 Hz	13 – 8 Hz

The Shelf life is of 10 Years in normal conditions (NF-L-17-103)

