

VIBRAFON CHP
Acoustic panel suspenders

VIBRATION DAMPING AND SOUND INSULATION

VIBRAFON CHP – Acoustic panel suspenders

Product description Vibrafon CHP and vibrafon CHP HD (heavy-duty) ceiling suspenders are vibration-damping suspension facilities, which can be installed between the architectural ceiling and a suspended ceiling, in order to limit the transmission of vibrations and sounds. These products were developed on the basis of SYLOMER vibration-damping polyurethane foam in cooperation with AMC.

Properties

- Exceedingly good vibration-insulating properties
- Easily and quickly installed
- Cost-effective solution
- Different thicknesses possible
- Service life of more than 50 years
- See the table for an idea of the vibration-damping properties. However, these must be recalculated for each project, on the basis of the occurring loads and other information.

Application

In many cases, the VIBRAFON CHP and VIBRAFON CHP HD acoustic suspenders are installed in the ceilings of building spaces, so as to strongly improve the sound insulation to the rooms lying above, or the other way around. Applications include badly insulated ceilings in apartments, as well as sound insulation in cinema theatres, pop podia, community centres, multi-cultural centres and in buildings of the hotel and catering industry.

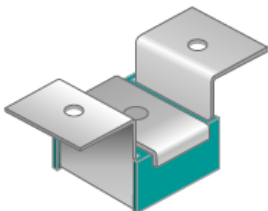
Required information

For a good expert opinion, the following information is necessary:

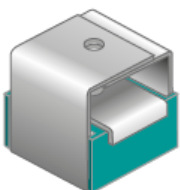
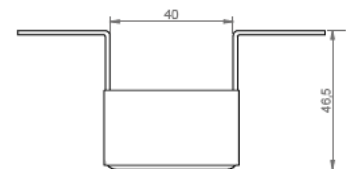
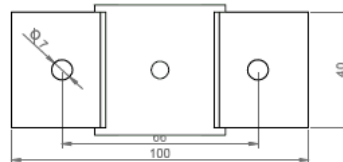
- The required oscillation frequency or sound dampening
- Information with regard to the static, dynamic and maximum burden per suspender
- Drawings of the building sections in which the products are to be used
- Details of the construction where the VIBRAFON CHP or VIBRAFON CHP HD ceiling suspenders are to be installed
- Available space and height for the product
- Fire requirements

Dimensions

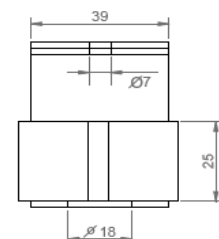
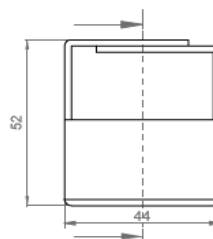
See the information provided below



VibraFon CHP 1
Direct mounting on the ceiling by means of 2 screws

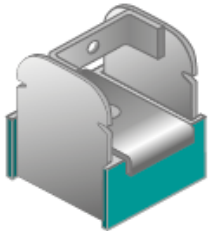
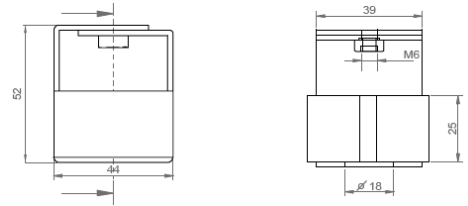


VibraFon CHP 3
Direct mounting on the ceiling by means of 1 screw and a retainer ring

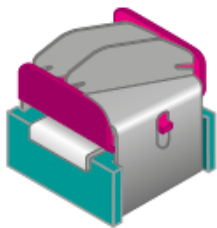
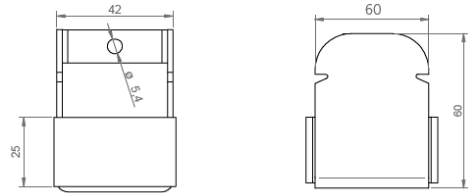




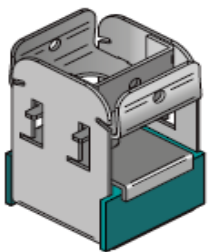
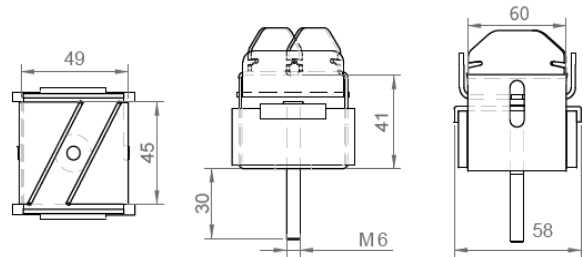
VibraFon CHP 4
Direct mounting on the ceiling by means of 1 screw and a retainer ring



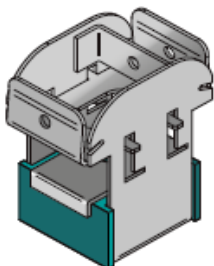
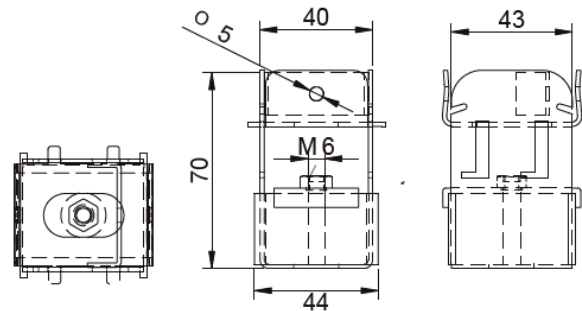
VibraFon CHP Rapid
Designed to be clicked onto almost all profiles on the market



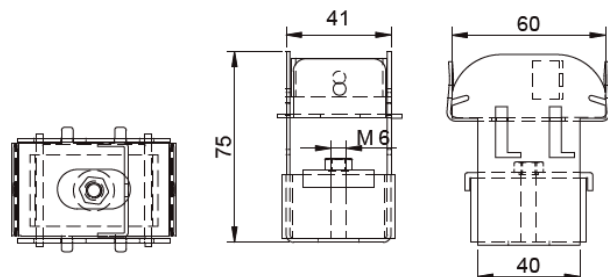
VibraFon CHP Safe
Designed to be clicked onto almost all profiles on the market, including protection against coming loose and faulty mounting



VibraFon CHP Super T47
Designed to be clicked onto almost all profiles on the market, including mountings that can be adjusted in width

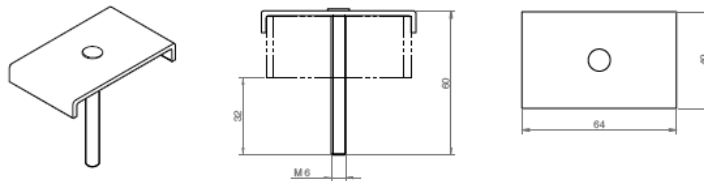


VibraFon CHP Super T60
Designed to be clicked onto almost all profiles on the market, independent of the profile height, including protection against coming loose and faulty mounting

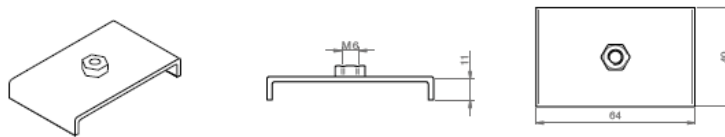


Installation types

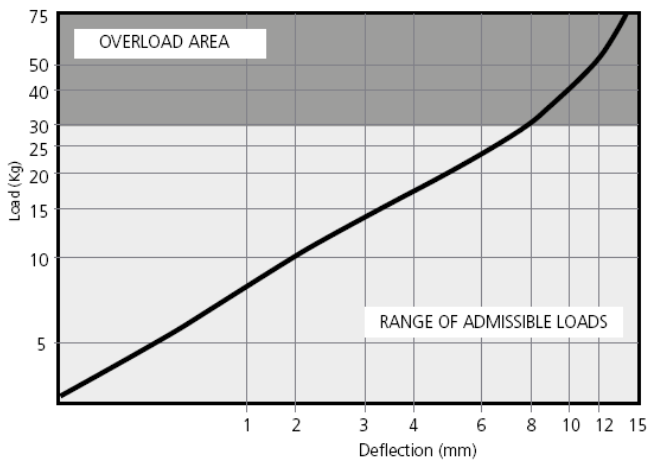
Type A: Male M6 installation



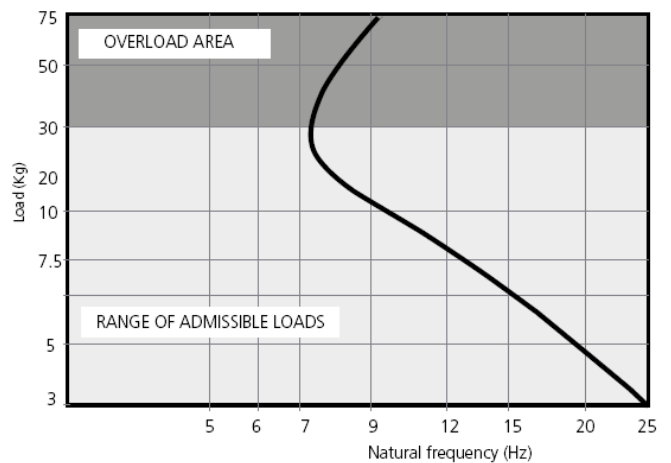
Type B: Female M6 installation



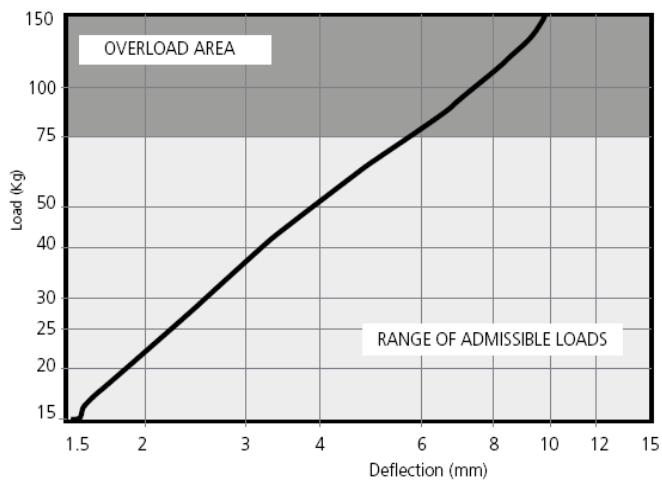
DEFLECTION DIAGRAM
Vibrafon CHP 30



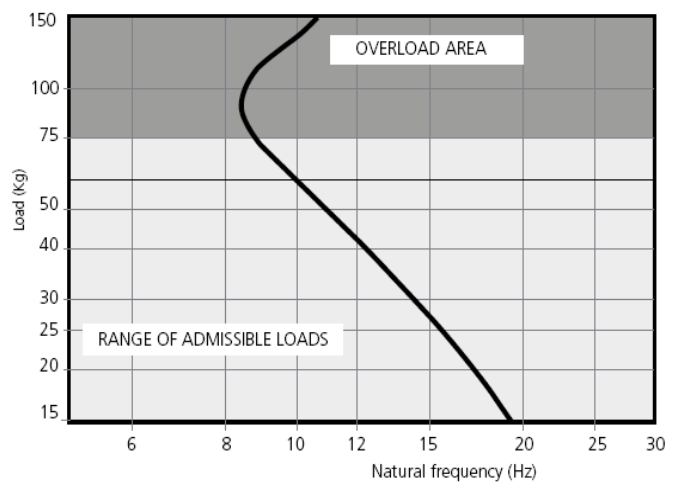
CUSHIONING FREQUENCY
Vibrafon CHP 30

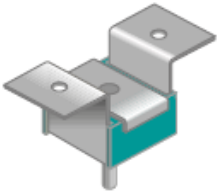








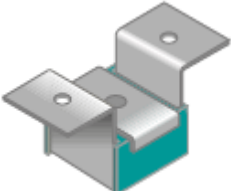





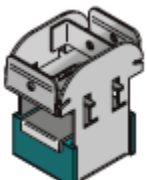
DEFLECTION DIAGRAM
Vibrafon CHP 75

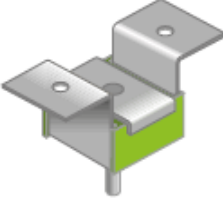





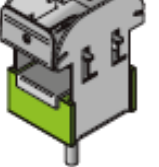









CUSHIONING FREQUENCY
Vibrafon CHP 75



Variants	Type	Maximum weight	Article number
	VIBRAFON CHP 1-30 Type A	30 kg	23501
	VIBRAFON CHP 3-30 Type A	30 kg	23503
	VIBRAFON CHP 4-30 Type A	30 kg	23505
	VIBRAFON CHP RAPID-30 Type A	30 kg	23507
	VIBRAFON CHP SAFE-30 Type A	30 kg	23508
	VIBRAFON CHP T47-30 Type A	30 kg	23821
	VIBRAFON CHP T60-30 Type A	30 kg	23831

Variants	Type	Maximum weight	Article number
	VIBRAFON CHP 1-30 Type B	30 kg	23509
	VIBRAFON CHP 3-30 Type B	30 kg	23511
	VIBRAFON CHP 4-30 Type B	30 kg	23513
	VIBRAFON CHP RAPID-30 Type B	30 kg	23515
	VIBRAFON CHP SAFE-30 Type B	30 kg	23511
	VIBRAFON CHP T47-30 Type B	30 kg	23822
	VIBRAFON CHP T60-30 Type B	30 kg	23832

Variants	Type	Maximum weight	Article number
	VIBRAFON CHP 1-75 Type A	75 kg	23517
	VIBRAFON CHP 3-75 Type A	75 kg	23519
	VIBRAFON CHP 4-75 Type A	75 kg	23521
	VIBRAFON CHP RAPID-75 Type A	75 kg	23523
	VIBRAFON CHP SAFE-75 Type A	75 kg	23524
	VIBRAFON CHP T47-75 Type A	75 kg	23841
	VIBRAFON CHP T60-75 Type A	75 kg	23851

Variants	Type	Maximum weight	Article number
	VIBRAFON CHP 1-75 Type B	75 kg	23525
	VIBRAFON CHP 3-75 Type B	75 kg	23527
	VIBRAFON CHP 4-75 Type B	75 kg	23529
	VIBRAFON CHP RAPID-75 Type B	75 kg	23531
	VIBRAFON CHP SAFE-75 Type B	75 kg	23533
	VIBRAFON CHP T47-75 Type B	75 kg	23842
	VIBRAFON CHP T60-75 Type B	75 kg	23852

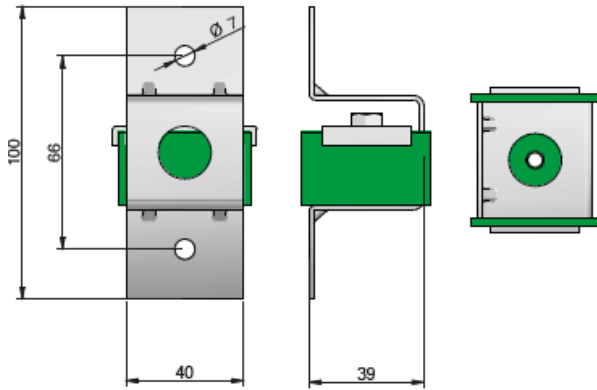
Special types

Besides the standard product range, a number of special types have also been developed for specific applications. An overview is provided below.

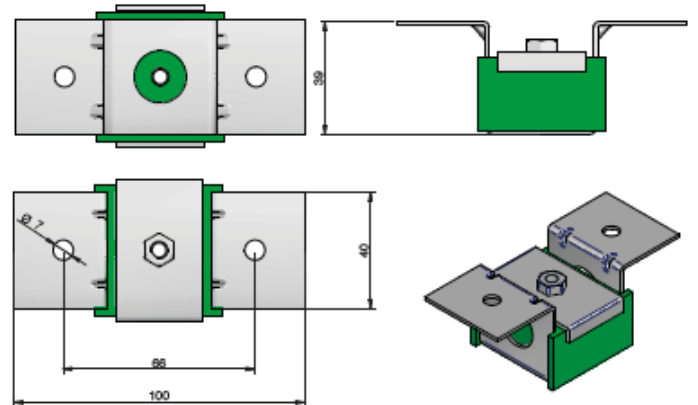
VIBRAFON CHP Side

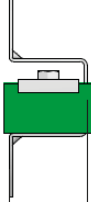
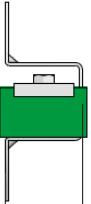
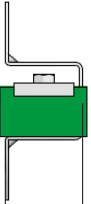
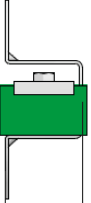
A ceiling suspender that is suitable for both a lateral and a suspended installation.

Lateral installation



Suspended installation



Variants	Type	Maximum weight	Article number
	VIBRAFON CHP SIDE-30 Type A	30 kg	23573
	VIBRAFON CHP SIDE-30 Type B	30 kg	23510
	VIBRAFON CHP SIDE-75 Type A	75 kg	23574
	VIBRAFON CHP SIDE-75 Type B	75 kg	23526

VIBRAFON CHP SHIFT

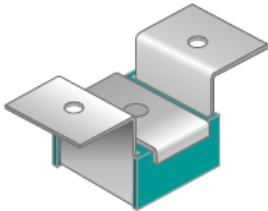
A suspender, where the frame is first installed on the ceiling and a vibration-damping element is later inserted from the side.

Variants	Type	Maximum weight	Article number
	VIBRAFON CHP SHIFT-30 Type A	30 kg	23863
	VIBRAFON CHP SHIFT-30 Type B	30 kg	23864
	VIBRAFON CHP SHIFT-75 Type A	75 kg	23865
	VIBRAFON CHP SHIFT-75 Type B	75 kg	23866

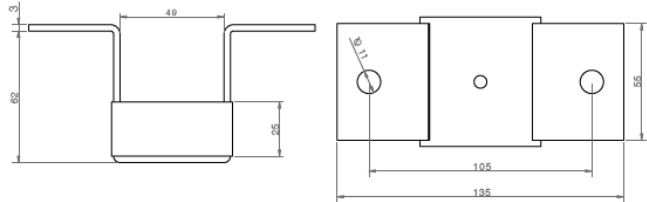
VIBRAFON CHP HD – Acoustic ceiling suspenders, with loadbearing capacity up to 150 kg

Dimensions

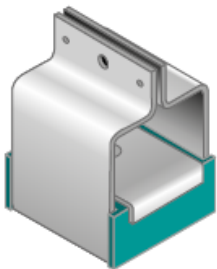
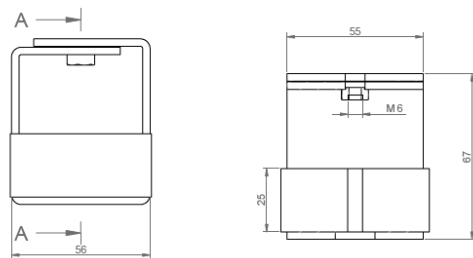
See the information provided below



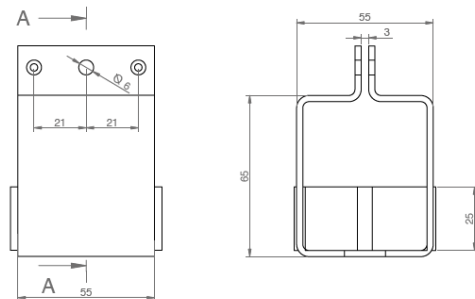
VibraFon CHP HD 1
Direct mounting on the ceiling by means of 2 screws



VibraFon CHP HD 2
Direct mounting on the ceiling by means of 1 screw and a retainer ring

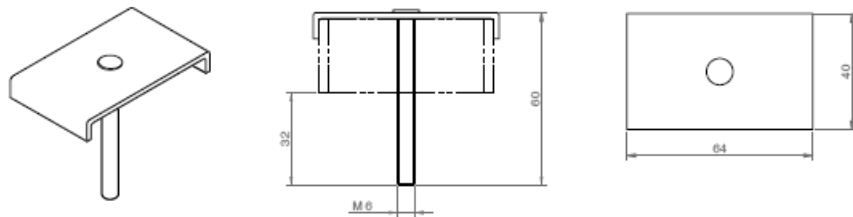


VibraFon CHP 3
Installation on the ceiling by means of quick suspension elements

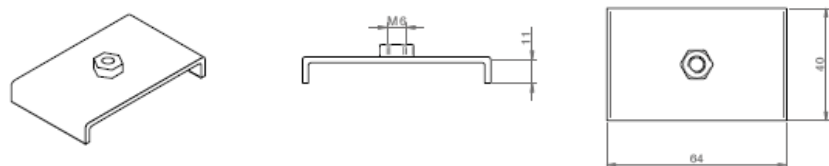


Installation types

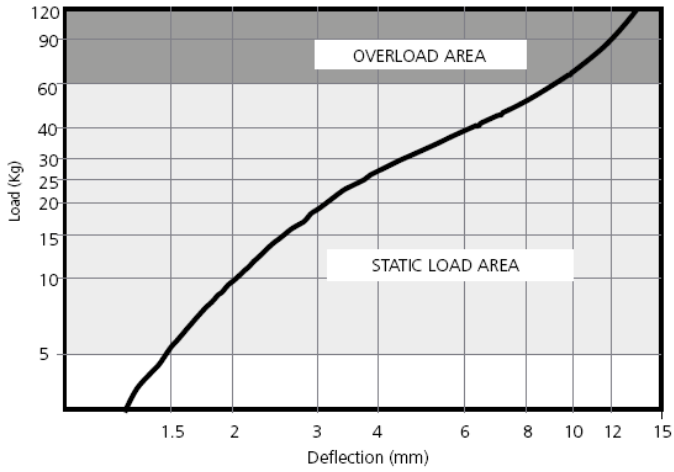
Type A: Male M6 installation



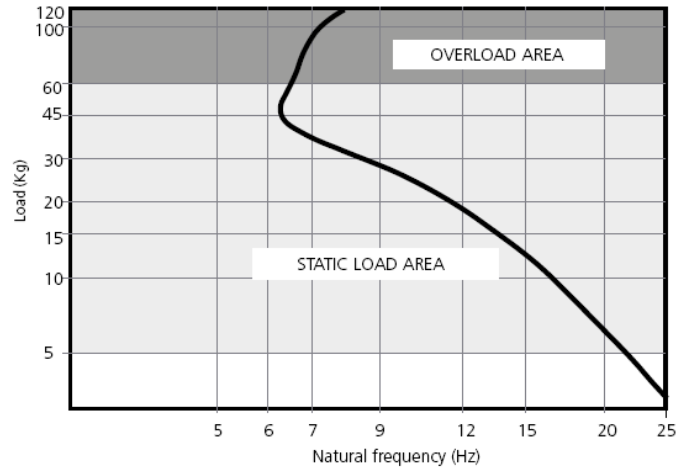
Type B: Female M6 installation



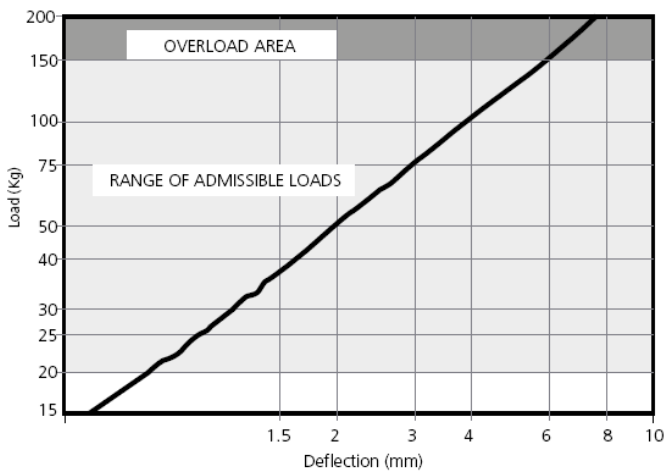
DEFLECTION DIAGRAM
Vibrafon CHP HD 60



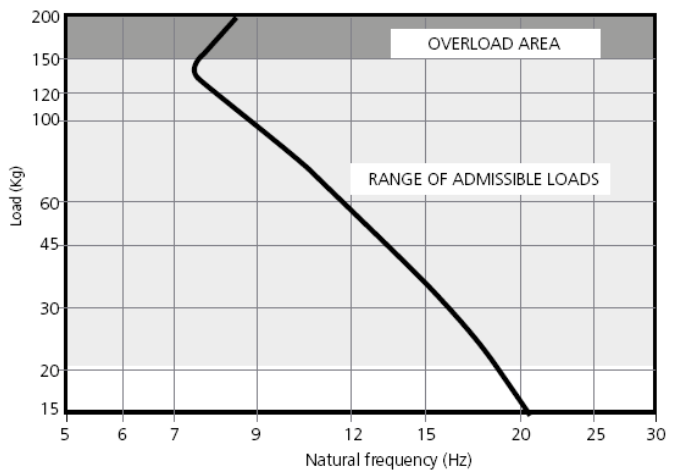
CUSHIONING FREQUENCY
Vibrafon CHP HD 60

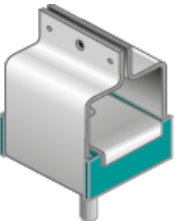

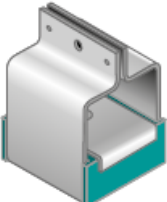


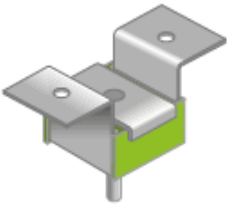





DEFLECTION DIAGRAM
Vibrafon CHP HD 150



CUSHIONING FREQUENCY
Vibrafon CHP HD 150



Variants	Type	Maximum weight	Article number
	VIBRAFON CHP HD 1-60 Type A	60 kg	23601
	VIBRAFON CHP HD 2-60 Type A	60 kg	23605
	VIBRAFON CHP 3-60 Type A	60 kg	23505
	VIBRAFON CHP HD 1-60 Type B	60 kg	23607
	VIBRAFON CHP HD 2-60 Type B	60 kg	23609
	VIBRAFON CHP HD 3-60 Type B	60 kg	23613

Variants	Type	Maximum weight	Article number
	VIBRAFON CHP HD 1-150 Type A	150 kg	23617
	VIBRAFON CHP HD 2-150 Type A	150 kg	23621
	VIBRAFON CHP HD 3-150 Type A	150 kg	23623
	VIBRAFON CHP HD 1-150 Type B	150 kg	23625
	VIBRAFON CHP HD 2-150 Type B	150 kg	23629
	VIBRAFON CHP HD 3-150 Type B	150 kg	23631



ATIS International B.V.
 Noordhoek 33
 3351 LD Papendrecht
 Postbus 14
 3350 AA Papendrecht

T 31 (0)78 615 00 44
 F 31 (0)78 615 49 48
 info@atis-international.com
 www.atis-international.com

Disclaimer

De omschreven toepassingen en aanbevelingen zijn zo correct mogelijk weergegeven maar zijn vrijblijvend en bieden geen garanties. Bij twijfel over toepassing/verwerking zelf een test uitvoeren of Atis raadplegen. Wij behouden ons het recht om zonder kennisgeving vooraf productgegevens te wijzigen.