

Vibro-TRS

ANTI-VIBRATION MOUNT FOR TRANSFORMERS

Description

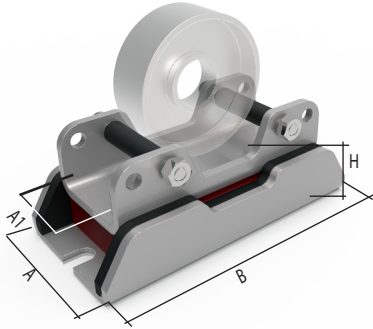
Vibro - TRS is a special engineered and designed anti-vibration mount for transformers with transportation rolls.

The elastomeric element between the two metal profiles is a high quality polyurethane vibration isolation foam, manufactured by the German company BSW under the trademark "Regufoam", available in different hardness.

There are two different thicknesses (25 and 37mm) of the elastomeric foam in order to achieve better vibration isolation. The metal plate is protected from oxidation with polyester powder paint or can be hot dip galvanized (upon request). There are rubber pads both in two sides between the metal profiles, in order to avoid any sound bridge. On the upper metal profile there are two cylindrical axes in order to be avoided the rolling of the wheel. The position of these cylindrical axes can be adjusted according to the wheel's diameter. There are also lateral restraints due to the metal wings.

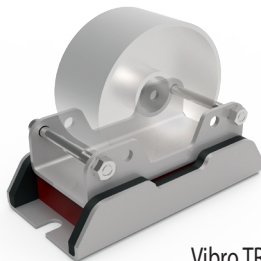
Applications

Vibro-TRS mount is recommended to be used for Vibration isolation for a wide range of transformers. It can be applied as a vibration damping under the transportation rolls in order to protect the relative building from the structural born noise transmission.

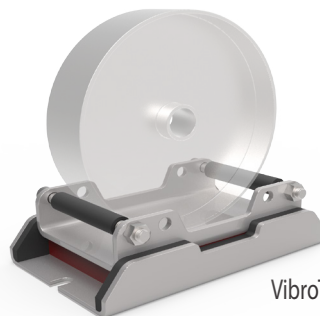


Selection Table

TYPE	THICKNESS OF REGUFOAM (mm)	DIMENSIONS A - A1 - B - H (mm)	Wheel diameter (mm)	LOAD RANGE (dN)
Vibro-TRS.1	25	130-90-250-35	90-200	100-1700
Vibro-TRS.1	37.5	130-90-250-47.5	90-200	100-1700
Vibro-TRS.2	25	220-168-350-41	180-300	1500-3500
Vibro-TRS.2	37.5	220-168-350-53.5	180-300	1500-3500



Vibro TRS.1



Vibro TRS.2

Dynamic Characteristics

Deflection: Max 4 mm at Higher load
Natural Frequency: up to 15 Hz

Our technical department will select the appropriate Vibro- TRS type, according to the transformer technical characteristics and the required vibration reduction.

Using our vibration isolation prediction software we can provide the datasheet of deflection (in relation with the load), the natural frequency of the system and the predictable vibration reduction.

Design and Production according to Quality Management System ISO 9001.2008 & Environmental Management System ISO 14001.2004