TFS Vibration Isolator

Compact vibration isolator with a symmetrical design, providing similar stiffness in tension and compression and a fail-safe configuration for installations where space is limited.



The **AMC-MECANOCAUCHO® TFS vibration isolators** consist of two symmetrically shaped molded elastomer elements, specifically designed for applications where **installation space is limited**.

Their design allows the rubber to operate in both **tension and compression**, with similar stiffness characteristics in both directions. This symmetry provides a **balanced elastic response** when the equipment is subjected to vibration, shock, or changes in load direction.

The two elements are combined with **metal safety washers** that limit excessive movement and provide **mechanical retention of the assembly**, creating a **fail-safe configuration** suitable for mobile applications and dynamic loads.

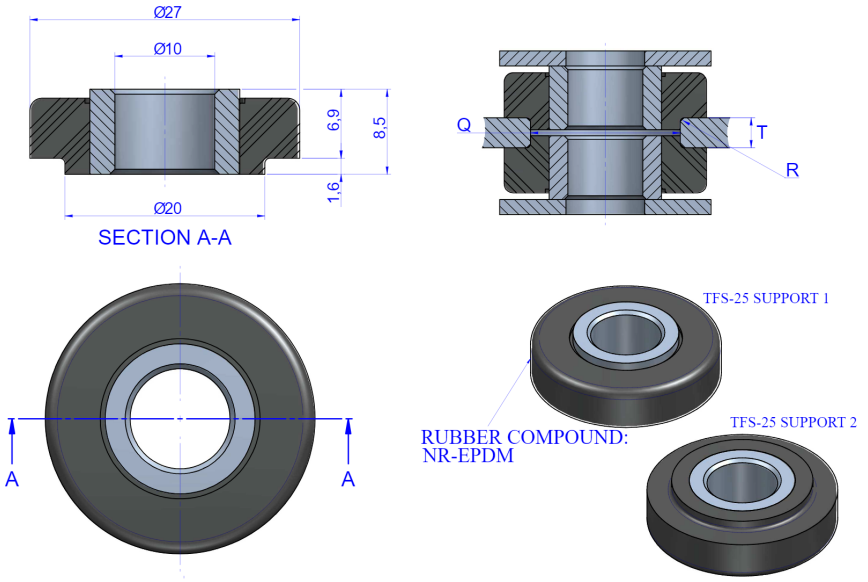
Thanks to their **compact dimensions**, TFS vibration isolators are particularly suitable for **auxiliary equipment, fans, small motors, and compact machinery** requiring effective vibration isolation with a simple and secure installation.

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Drawings

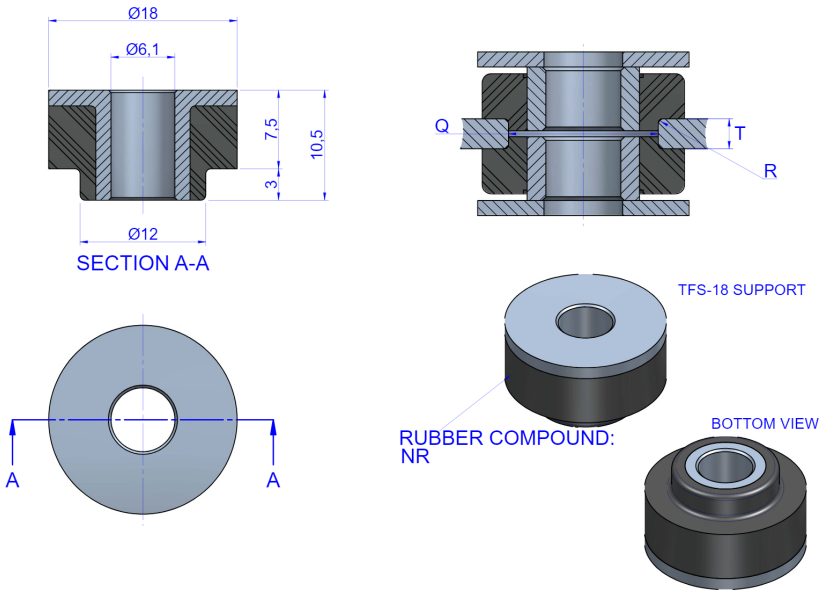
TFS 25



TFS mounts are installed in pairs but are sold individually.

Type	Code	Max. Load(lbs)	Shore	T(in)	Q(in)	R(in)
TFS 25	138035	22	45 Sh	0.16	0.79	0.04

TFS 18



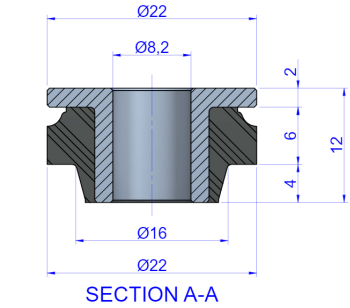
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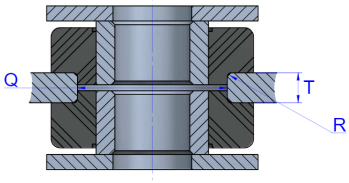
Type	Code	Max. Load(lbs)	Shore	T(in)	Q(in)	R(in)
TFS 18	138018	44	40 Sh	0.31	0.47	0.02

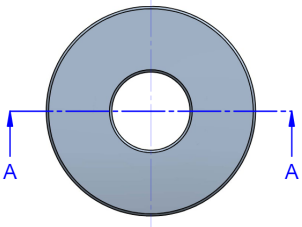
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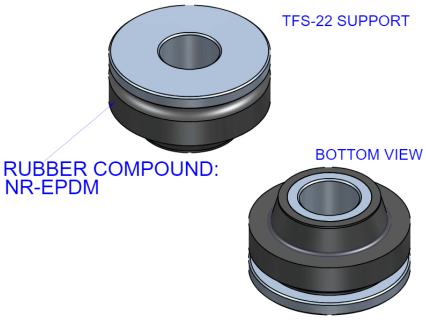
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TFS 22









TFS mounts are installed in pairs but are sold individually.

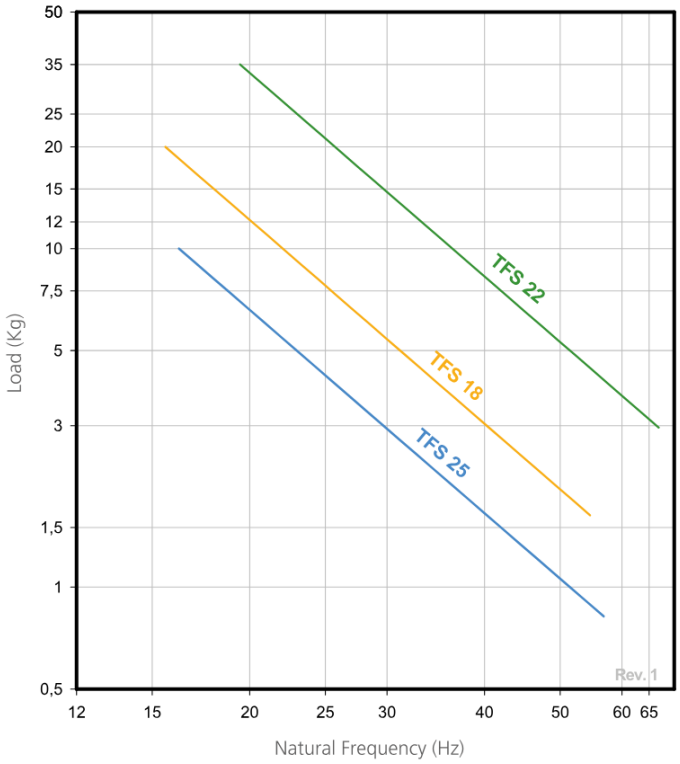
Type	Code	Max. Load(lbs)	Shore	T(in)	Q(in)	R(in)
TFS 22	138042	77	60 Sh	0.39	0.63	0.02

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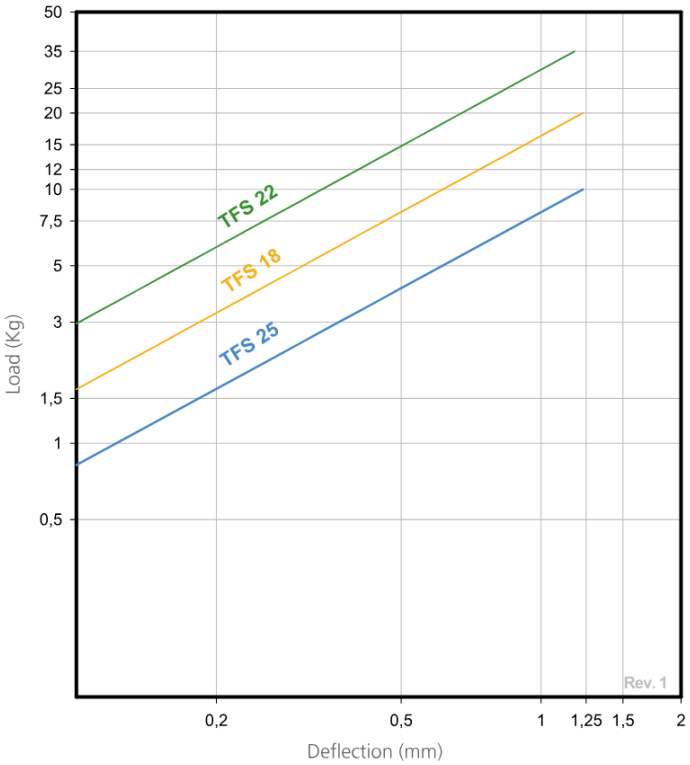
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Elastic properties

NATURAL FREQUENCY GRAPHS AMC MECANOCAUCHO®
TFS ANTI VIBRATION MOUNTS



LOAD DEFLECTION GRAPHS AMC MECANOCAUCHO®
TFS ANTI VIBRATION MOUNTS



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Technical characteristics

This vibration isolator is designed to provide very similar tensile and compression stiffness values. This feature is particularly useful in those applications where vibration and transient forces come from various directions and constant stiffness is required in all of them.

Advantages

Easy installation

This mount requires no major modifications to the structure for installation.

High protection against weathering and chemical contamination

The bell housing protects the rubber from ozone and UV radiation, while also preventing contact with diesel, oils, or other chemicals that could damage it.

High robustness in dynamic applications for improved durability

These mounts offer enhanced robustness and are designed to withstand extreme load peaks. They are especially recommended when good durability is required in demanding applications.

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