SCH Vibration Isolator

Compact two-piece vibration isolator, installed under pre-compression in the chassis to provide multidirectional vibration isolation and limit movement under tension and compression.

The **AMC-MECANOCAUCHO® SCH Vibration Isolators** consist of **two rubber elements** which, once assembled, form an **elastic connection between the equipment and the chassis**. The lower element incorporates an **internal metal sleeve** that guides the mounting bolt and ensures accurate tightening of the assembly.

The isolator is installed directly into a **hole in the chassis**. During tightening, the two rubber elements are **pre-compressed**, allowing the isolator to perform effectively in multiple directions and withstand both **compressive and tensile loads**.

The level of pre-compression is determined by the **chassis thickness "T"**, providing controlled elastic behavior and limiting equipment movement under dynamic loads.

Thanks to their **compact, simple and robust design**, SCH Vibration Isolators are particularly suitable for **cabs, enclosures, auxiliary equipment and mobile machinery** requiring effective vibration isolation and direct integration into the chassis.

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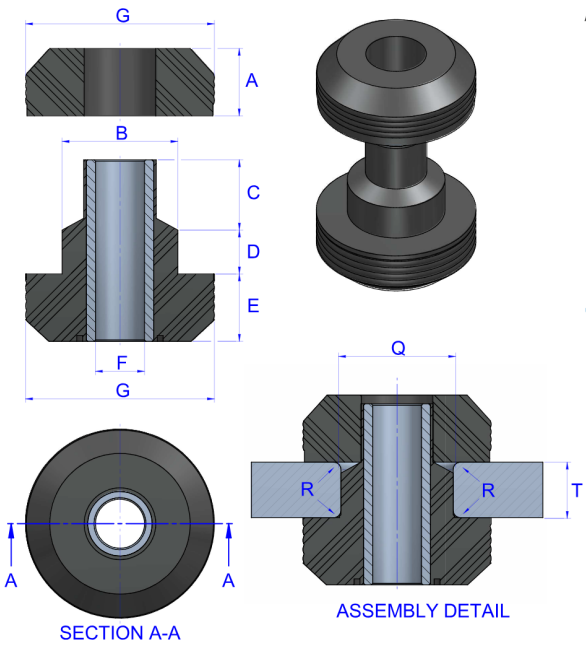
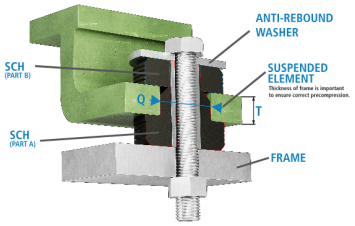
Drawings

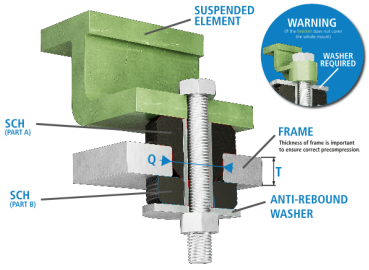
SCH 35 / SCH 50 / SCH 65 / SCH 90 / SCH 125



ASSEMBLY 1



ASSEMBLY 2



Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	T Max. (in)	Q(in)	T Min. (in)	Weight(lbs)	R(in)	Code	Max. Load (lbs)	Shore
SCH 35	0.81	0.43	0.79	0.43	0.16	0.43	0.32	1.32	0.24	0.75	0.24	0.21	0.04	138677	88	45 Sh
														138678	176	60 Sh
SCH 50	2.8	0.79	1.22	0.77	0.41	0.79	0.53	1.93	0.55	1.2	0.49	0.34	0.06	138501	176	45 Sh
														138504	287	60 Sh
														138522	463	75 Sh
SCH 65	6.69	0.91	1.56	0.94	0.59	0.91	0.67	2.5	0.87	1.52	0.75	1	0.1	138502	264	45 Sh
														138505	573	60 Sh
SCH 90	11.42	0.98	2.28	1.22	0.67	0.98	0.91	3.46	1.14	2.24	0.98	1	0.12	138503	573	45 Sh
														138506	992	60 Sh
SCH 125	34.65	1.26	2.54	1.26	0.87	1.26	1.06	4.94	1.26	2.52	0.98	3	0.12	138514	1433	50 Sh
														138515	1763	60 Sh

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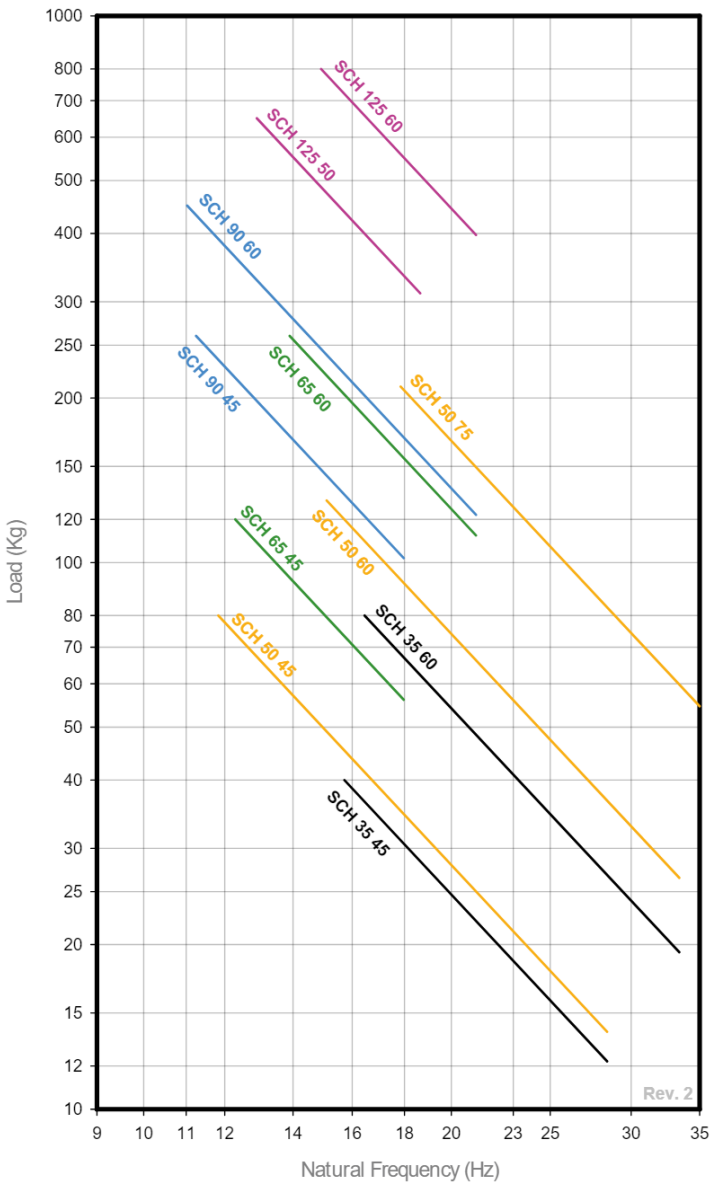
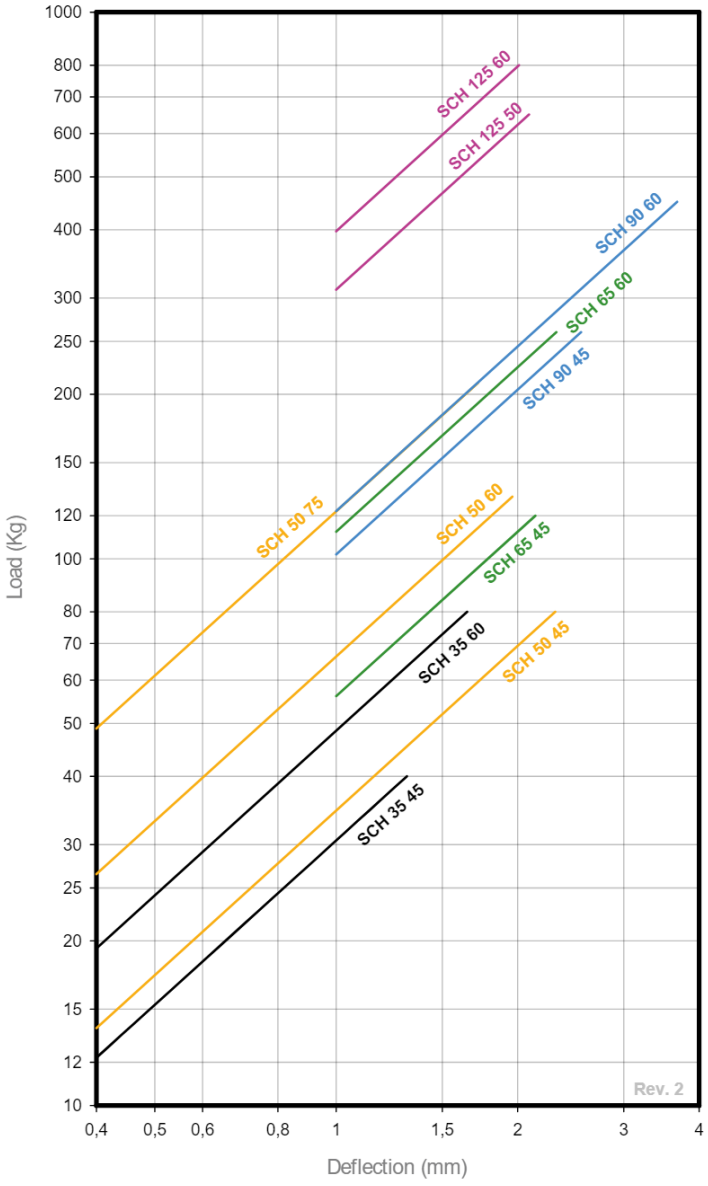
Elastic properties

NATURAL FREQUENCY
AMC MECANOCAUCHO® SCH



LOAD DEFLECTION GRAPH
AMC MECANOCAUCHO® SCH



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Technical characteristics

This antivibration mount is ideal for applications with major dynamic loadings such as : Off Road Construction vehicles for engines , gearboxes , Operator Cabins where movement control is necessary. It also offers optimal stability, as well as good attenuation of impacts and high frequency vibrations.

Advantages

Easy installation

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

Mount offering high stability

Suspensions built with this mount barely move, thanks to a geometry designed to control the movement of the suspended element.

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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