SPS Captive Mounts

Captive mounts designed for shock absorption and vibration control in equipment suspensions.



The **AMC-MECANOCAUCHO® SPS captive mounts** are specifically designed for applications requiring **high shock absorption capacity combined with effective vibration control**.

Their design combines a **cylindrical outer housing with a conical inner metal insert**, between which **two elastomer elements** are incorporated. This configuration helps control movement and **progressively dissipate the energy generated by shocks and dynamic loads**.

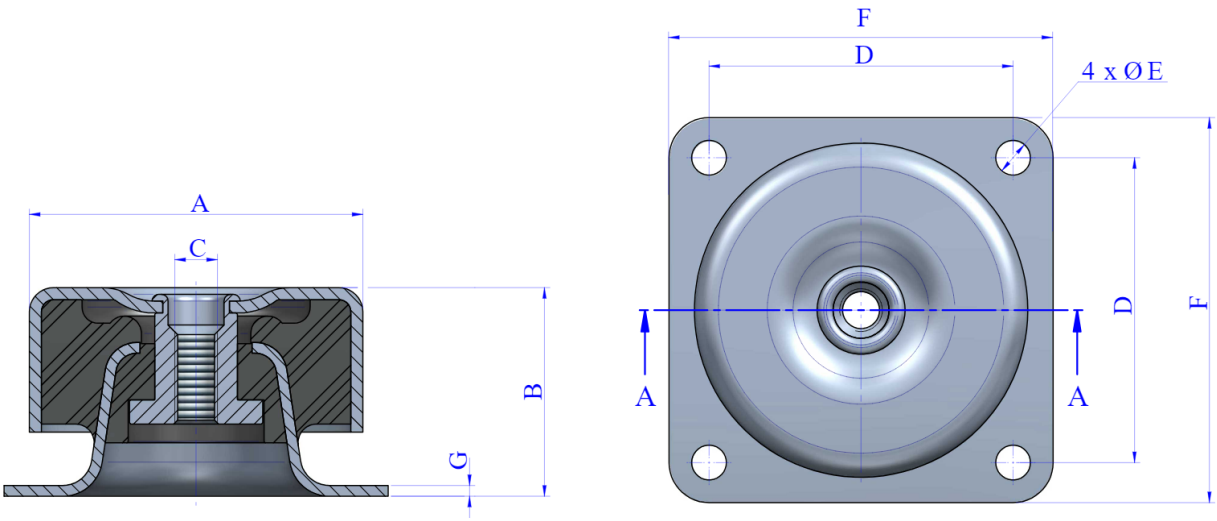
Thanks to their geometry and damping capacity, SPS mounts are particularly suitable for **mobile equipment, on-board machinery and systems subjected to shocks, impacts or transient movements**, where mechanical protection of the equipment is as important as vibration reduction.

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Drawings

SPS 020 / SPS 120 / SPS 220 / SPS 420

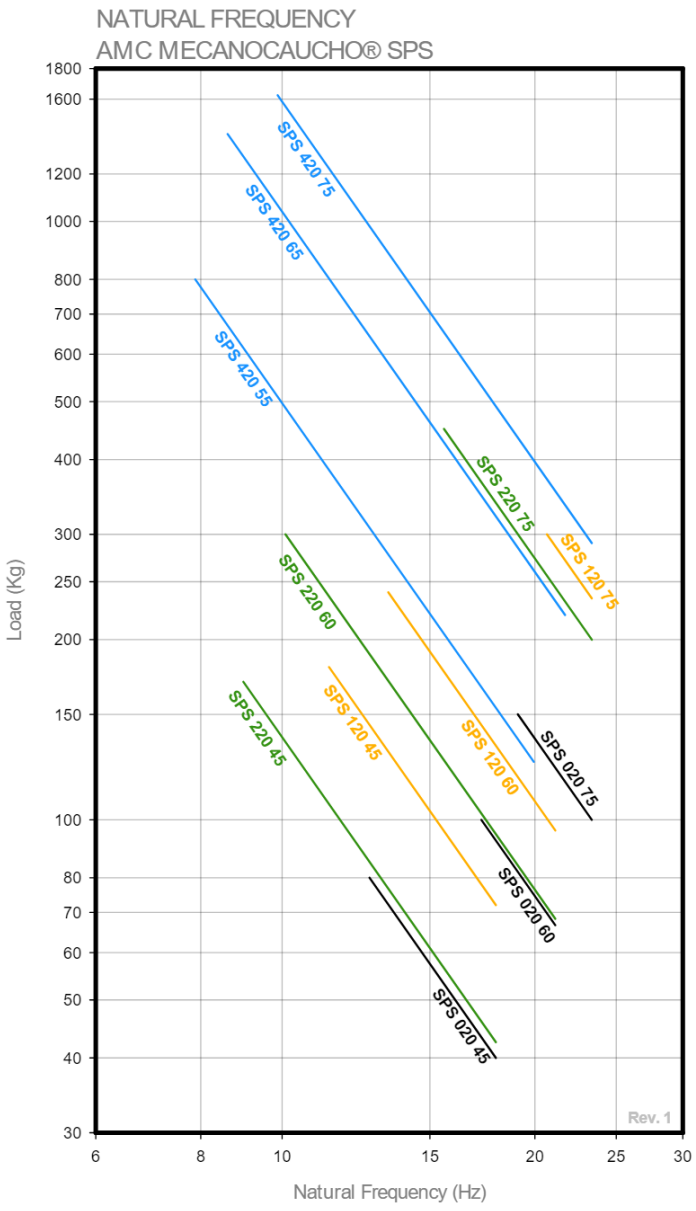


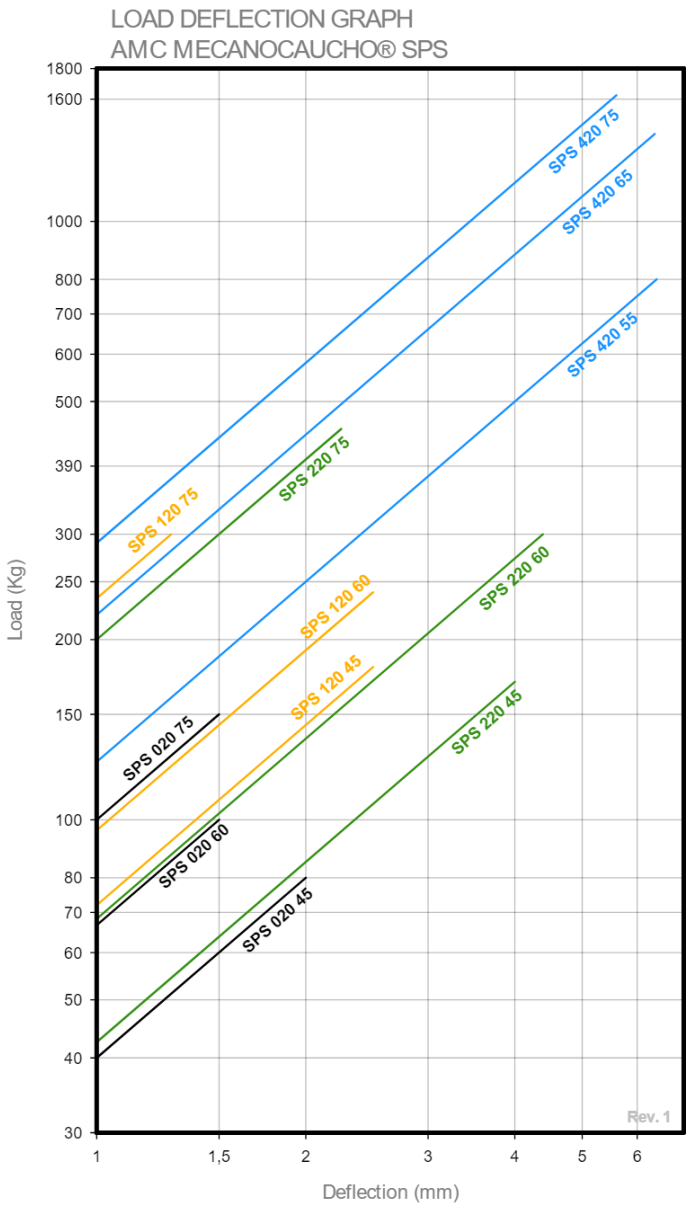
Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	Weight(gr)	Code	Max. Load (kg)	Shore
SPS 020	50	28	M-8	50	6	60	1,5	171	140001	80	45 Sh
									140003	100	60 Sh
									140005	150	75 Sh
SPS 120	76	39	M-10	63,5	6,7	76	3	524	140002	180	45 Sh
									140004	240	60 Sh
									140006	300	75 Sh
SPS 220	90	51	M-12	90	11	114	3	971	140007	170	45 Sh
									140008	300	60 Sh
									140009	450	75 Sh
SPS 420	125	78	M-16	114	13	144	4	2424	140031	-	45 Sh
									140034	800	55 Sh
									140035	1400	65 Sh
									140033	1625	75 Sh

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Elastic properties





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Technical characteristics

Due to their design , SPS mounts can work with compression and tensile loads , isolating effectively by using the friction of the rubber sections with the inner surfaces of the assembled metal parts. It is most effective in applications where high frequency vibrations are predominant. Various rubber compounds are available for assembly depending upon the applications being considered, ie , high temperatures, oil and diesel resistance, ageing resistance against Ozone attack for example .

Advantages

Easy Installation

This mount requires minimal structural modifications, making installation quick and straightforward.

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 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.

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