

Hydraulic mounts

Hydraulic mounts combining elastomeric elasticity and hydraulic damping to optimise vibration isolation and equipment movement control.



The **AMC-MECANOCAUCHO® hydraulic mounts** combine the function of an **elastomeric spring and a hydraulic damper** in a single unit, providing both **effective vibration isolation and improved control of equipment movement**.

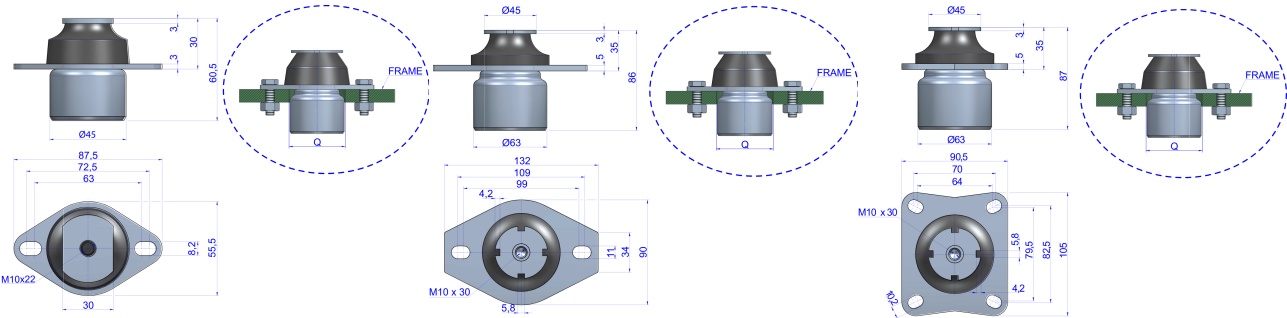
Their design incorporates a **hydraulic fluid** whose movement within the mount generates additional damping. This technology allows the **stiffness and damping characteristics** to be adapted to the dynamic requirements of the application and helps reduce excessive movement, particularly during **transient conditions and when passing through resonance**.

The internal construction combines **metal components bonded to the elastomer**, ensuring the integrity of the hydraulic system while providing resistance to **high dynamic loads and shocks** and maintaining excellent durability.

These mounts are particularly suitable for **engines, mobile machinery, generator sets and equipment subjected to vibration, shocks or load variations**, where a combination of **effective vibration isolation and high damping** is required.

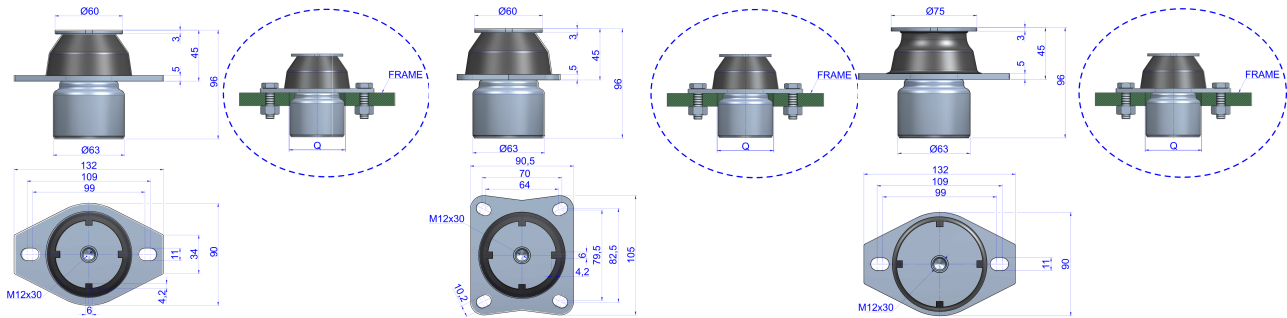
Drawings

MINI / SMALL / SMALL RECT.



Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
MINI	41	335	177031	20	40 Sh
			177032	30	50 Sh
			177033	50	60 Sh
			177034	70	70 Sh
SMALL	41	917	177001	60	40 Sh
			177002	100	50 Sh
			177003	145	60 Sh
			177013	180	70 Sh
SMALL RECT.	41	938	177015	60	40 Sh
			177016	100	50 Sh
			177017	145	60 Sh
			177018	180	70 Sh

MEDIUM / MEDIUM RECT. / MEDIUM HS 2

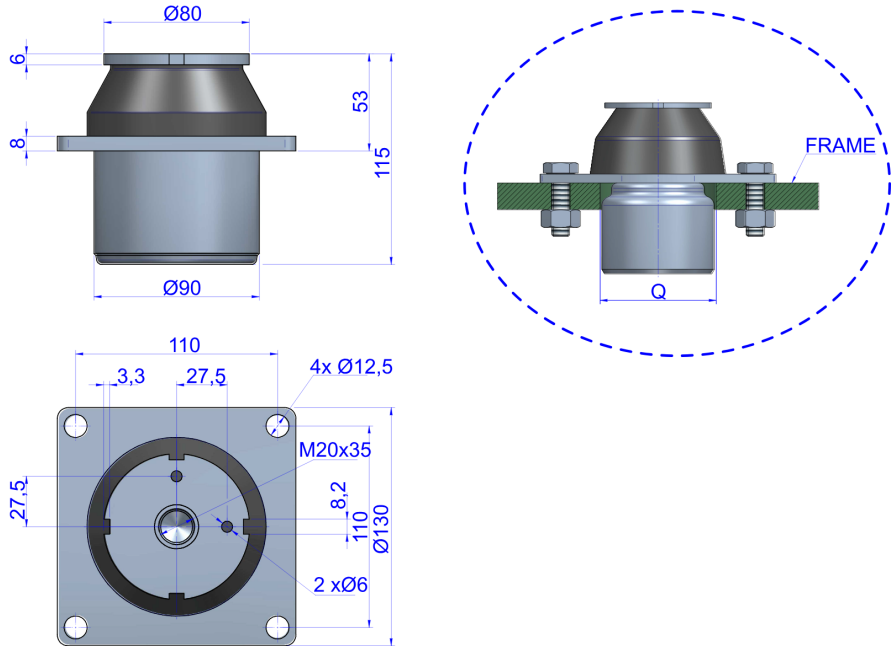


Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
MEDIUM	71	1030	177004	100	40 Sh
			177005	150	50 Sh
			177006	200	60 Sh
			177011	250	70 Sh
MEDIUM RECT.	71	1050	177022	100	40 Sh
			177021	150	50 Sh
			177023	200	60 Sh
			177024	250	70 Sh



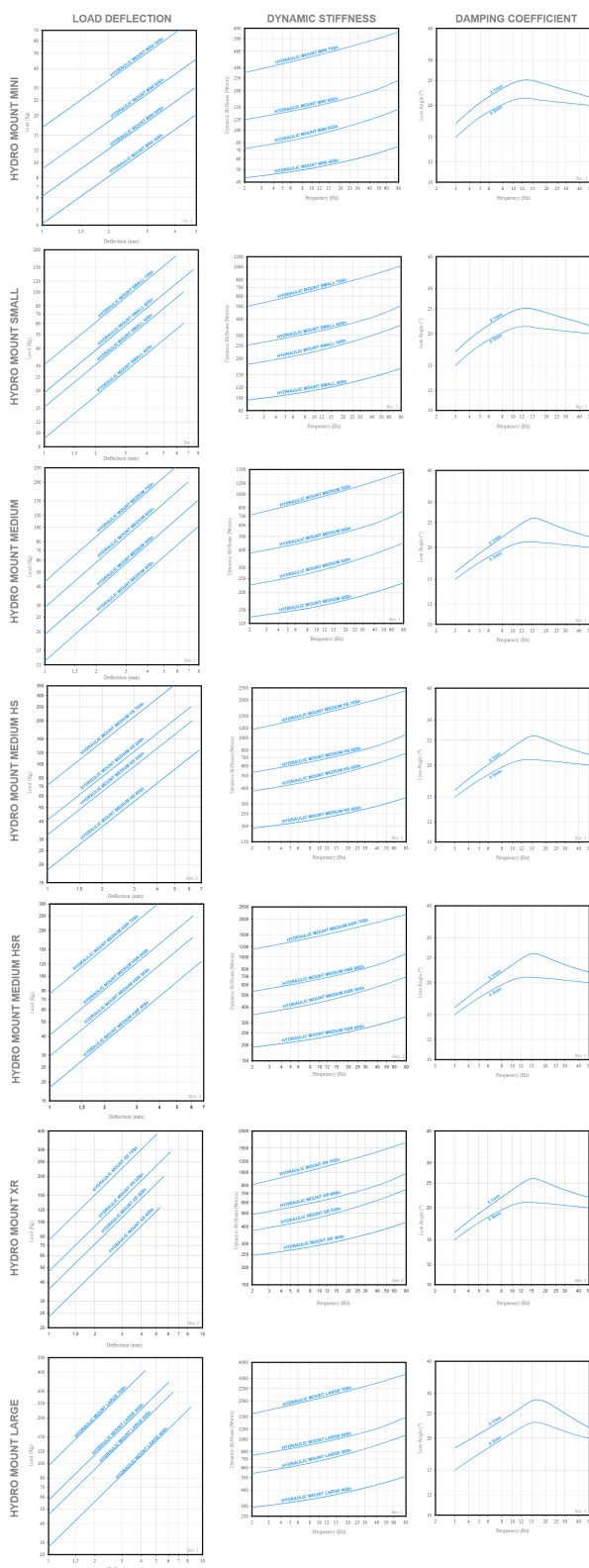
Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
XR	170	1440	177392	125	40 Sh
			177393	200	50 Sh
			177358	290	60 Sh
			177395	380	70 Sh
LARGE	350	2445	177007	235	40 Sh
			177008	295	50 Sh
			177009	345	60 Sh
			177014	410	70 Sh

LARGE RECT.



Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
LARGE RECT.	350	2713	177041	235	40 Sh
			177042	295	50 Sh
			177043	345	60 Sh
			177044	410	70 Sh

Elastic properties



Technical characteristics

- The AMC-MECANOCAUCHO® Hydraulic mounts have an interlocking metal component that provides fail-safe protection for mobile applications. This device limits excessive vertical movement when the mountings are subjected to shocks inputs.
- The metal parts are suitably thick and robust to withstand Off Road vehicle application shock inputs and also have an outdoor anti-corrosive treatment fully compliant with RoHs

TECHNICAL ADVICE FOR FOPS ROPS APPROVAL

AMC-MECANOCAUCHO's technical department will be pleased to offer you advice on correct installation procedures to achieve FOPS/ROPS tests approvals.

These pictures show a typical traction test on rectangular hydraulic medium mount subjected to loads up to 4 Tons without destruction of the part. For more information on this topic, please contact our technical department.

