REINFORCED PARTS FOR BATTERY ELECTRIC VEHICLES.

SIDEM
Experts know why

REINFORCED PARTS FOR BATTERY ELECTRIC VEHICLES.

Battery Electric Vehicles (BEVs) put extra stress on steering and suspension parts. Compared to combustion cars, BEVs are much heavier due to the battery pack and they accelerate much faster. Sidem's range of BEV components are reinforced to cope with this extra weight, the higher torque and vibrations for a safe and comfortable drive.

STERKER ONTWERP

Sidem BEV steering and suspension parts use ball studs made from chrome steel for strength and durability. The ball pins' diameter is important to cope with the heavy load and higher torque of BEVs. Sidem's BEV ball pins for ball joints, axial joints and stabilizer links have a larger diameter than those for cars with Internal Combustion Engines (ICE).

Moreover, BEVs focus on aerodynamics to improve efficiency and their driving range. The suspension is designed to maintain the vehicle's aerodynamic profile, by reducing body roll when cornering. Sidem's BEV stabiliser links have larger ball pin diameters, ensuring the anti-roll bar can withstand the heavy load and higher torque of battery electric vehicles.

For several Tesla models, Sidem ball pin diameters are larger than the original equipment (OE) versions for extra resistance to the higher weight and torque.

VIBRATION & NOISE REDUCTION

Finally, BEVs produce less noise and vibration than combustion engines. So, minimizing road noise and vibrations transmitted to the cabin becomes even more important. Sidem's range of silent blocks supports movement and isolates vibrations and noise for a higher driving comfort.

The Audi e-tron's track control arms are equipped with hydraulic silent blocks. The hydraulic fluid flows through rubber chambers, resulting in better absorption of even the smallest vibrations.

91% coverage

36 car brands

1187 items

180 car models

138 personal vehicles

52 light commercial vehicles

DOWNLOAD THE SIDEM BEV PARTS CATALOGUE

SAFER INSTALLATION

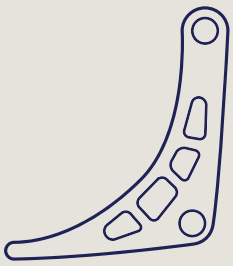
Sidem also offers a track control arm with a different design as a solution to the problem of weak link ball joints. The ball joint of Sidem's track control arm for the first generation Tesla models is incorporated directly into the aluminum housing, resulting in the part functioning with maximum strength. This ensures a safe installation and drive.

Incorporated ball joint in track control arm for Tesla.

" For ICE and all types of EVs, Sidem has the highest coverage in steering and suspension parts."

Jonas Maelfait, Team lead Product Management

WHY EXPERTS RELY ON SIDEM.



PREMIUM OE PREMIUM

MANUFACTURER EU MANUFACTURER

EXPERIENCE 90 YEARS EXPERIENCE

own engineering & manufacturing

100% focus on steering & suspension

95% relevante coverage

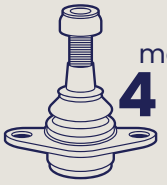
98% service level

Electrical & combustion cars

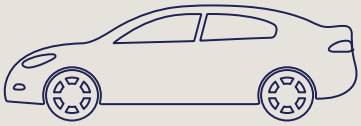
private & light commercial vehicles

>90 countries worldwide

more than **10.000** references



more than **4 000 000** parts on stock



50 car brands

1.170 car models

ABOUT SIDEM.

Sidem is a family-owned company founded in 1933, the leading specialist in engineering and manufacturing of steering and suspension parts for Original Equipment Manufacturers (OEM) and the Automotive Aftermarket. The company offers the most comprehensive range in the industry with over 10,000 references for private and light commercial vehicles. Sidem has its own in-house engineering team, an IATF certified manufacturing facility and a central warehouse, all based in Europe.

STEERING & SUSPENSION PARTS.

SIDEM.EU

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