

WHY EXPERTS CHOOSE SIDEM



Manufacturer of steering and suspension parts

At Sidem, we produce **in-house** steering and suspension parts for the car assembly and replacement market. Both quality and production are in our **DNA** and that we are very proud of. Because we control every step in the production process, car mechanics and technicians – the experts in the market – can count on the best quality!



European production

We are a fully **European** company: the production of our steering and suspension parts is located in Romania and our central warehouse of 27,000 m² in Belgium. From there, we supply to more than 90 countries **worldwide**.



Experience as an asset

As a brand, Sidem exists **since 1933**. Thanks to our strong team and more than 80 years of experience, both **family values** and **in-depth know-how** are the pride of our family business.



Trusted by OE

This is why **OE brands** appreciate our approach so much. Brands such as Porsche and Ford rely on Sidem for steering and suspension parts.



The reference in the market

We are best known for our impressive catalogue with **more than 9,000 references** all available from stock. We can proudly say that we offer the **most comprehensive range** of steering and suspension parts in the aftermarket. We are the only brand that is able to provide car mechanics with high-quality replacement parts for almost **all vehicles** whether of **European or Asian origin**.



Satisfied customers

Therefore we have **most satisfied customers**. Car mechanics often use Sidem parts in their workshops and are happy to do so.



EXPERTS KNOW WHY

When a road twists and turns, premium steering and suspension parts prove their worth. That's why experts all over the world turn to Sidem.



TESLA MODEL S AND X STEERING & SUSPENSION ENCLOSED BALL JOINT



THE N°1 MANUFACTURER FOR STEERING & SUSPENSION PARTS

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Sidem is a leading European designer and manufacturer of premium steering and suspension parts for the car assembly and replacement market in the automotive sector. Thanks to the focus on its own production facilities, advanced technical knowledge, yearlong experience and continuous optimisation, Sidem offers the most complete range of steering and suspension parts of the highest European quality. Making mechanics and their customers happy.



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YOUR SPECIALIST FOR STEERING AND SUSPENSION PARTS

- ✓ **OE COMPLIANT**
Find your reference with OE fit!
- ✓ **PREMIUM PARTS**
Go for highest quality materials guaranteeing you excellent quality.
- ✓ **EASY INSTALLATION**
Choose parts enabling you a quick installation.
- ✓ **MAXIMUM PERFORMANCE**
Opt for parts with long-lasting performance.
- ✓ **CONVENIENCE**
Order all your parts with the specialist in steering and suspension parts.



TESLA MODEL S AND X STEERING & SUSPENSION ENCLOSED BALL JOINT

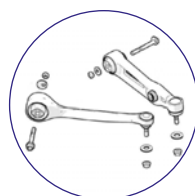


Find out more about Sidem's track control arms with enclosed ball joint for 1st generation Tesla Model S (2013-2015) and Model X (< 2015)



PROBLEM

Tesla front suspension track control arms and ball joints break when subjected to high impact



1

The **multilink front suspension** of a Tesla's Model S and X have two lower track control arms that function together as a triangle. Combined with the upper control arm they form a double wishbone suspension.



2

In the 1st generation Tesla Model S of 2013-2015 and the Tesla Model X from 2015 these control arms have a **ball joint** which is **pressed into the housing** of the arm.



3

Due to the high power of these electric cars a lot of torque is instantly released when accelerating, causing tremendous **stress on the suspension parts**. This, in combination with a sudden impact, might result in **breakage where the ball joint separates from the control arm**. This leads to loss of steering control and very dangerous situations.

SIDEM'S SOLUTION

An enclosed ball joint for extra strength of the arm

4

Sidem offers a track control arm with a **different design as the solution** to this problem. In Sidem's track control arm the ball joint is directly **incorporated** in the aluminium housing.

Rather than the weak link of a pressed-in ball joint in the track control arm of these Tesla cars, Sidem's replacement track control arm is **1 part** functioning with **maximum strength**. The ball joint cannot get detached when it is subject to high impact. As a result, a safe installation is guaranteed for the mechanic and the driver.

NEW & UNIQUE design solution



The ball joint is fully enclosed in the aluminium housing of the arm.

REFERENCES

Find here an overview of all the applications

5

These designated Tesla control arms have reference number 15072, 15073 and 15074 and can be used in Tesla Model S (5YJS) and Tesla Model X (5YJX). An overview of the applications can be found in the below table.

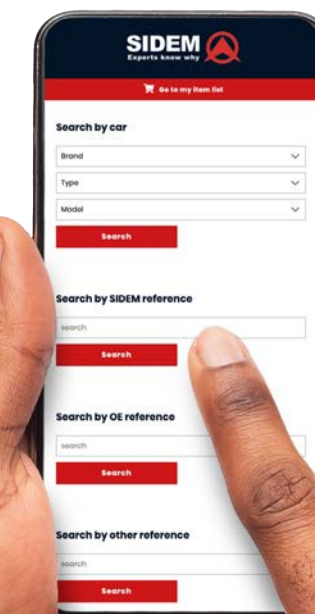
REF SIDEM	REF OEM	DESCRIPTION	APPLICATION
15072	1041570 00 B 6007998 00 C	Track control arm left	Tesla Model S (5YJS), Tesla Model X (5YJX)
15073	1041575 00 B 6006664 00 C	Track control arm right	Tesla Model S (5YJS), Tesla Model X (5YJX)
15074	1027351 00 C 1048951 00 A 1048951 00 B 1048951 00 C 6007997 00 D	Track control arm	Tesla Model S (5YJS), Tesla Model X (5YJX)



FIND ALL REFERENCES THAT YOU NEED FOR TESLA



- ✓ **WIDEST RANGE**
Sidem has more than 9.000 steering and suspension references in its catalogue so that you always find the parts that you need.
- ✓ **HIGHEST AVAILABILITY**
The catalogue covers steering and suspension parts for the entire range of Tesla, all available from stock.
- ✓ **QUICK ONLINE SEARCH**
Find all steering and suspension references you need in our online catalogue via catalogue.sidem.be or via Sidem's mobile app.



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