

**STEERING &
SUSPENSION
PARTS.**



RE-ENGINEERED TECHNOLOGY.

**HYDRAULIC CORE ADAPTED TO FULL RUBBER
PREVENTS EARLY SILENT BLOCK FAILURE.**



SIDEM
Experts know why 

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HYDRAULIC CORE ADAPTED TO FULL RUBBER PREVENTS EARLY SILENT BLOCK FAILURE.

Silent blocks are vital for the driving comfort and wheel alignment. They allow track control arm movements while absorbing vibrations, noises and impacts during driving.

As these rubber bushes torque frequently and age over the years, they are naturally subject to wear over time. Some OE-designs are more prone to wear and early failure. That's where Sidem steps in for a durable alternative!

PROBLEM: EARLY RUPTURES IN THE HYDRAULIC CORE.

Workshop feedback taught us there were issues with certain silent blocks. The rubber core was tearing in a very early stage at the location of the hydraulic chambers.



The affected silent blocks are applied in both electric and larger vehicles. Both types are rather heavy resulting in larger forces these silent blocks need to cope with.

You can see on the cut-outs below that the rubber on the outside of the hydraulic chamber is thinner than with common silent blocks. As this is the most fragile part of hydraulic silent blocks, it's the evident location of the issue.



SIDEM'S SOLUTION: AN IMPROVED OUTER BUSH DESIGN.

Although hydraulic silent blocks have the benefit of dampening out even the smallest noises and vibrations, Sidem had to step in.

Our Quality and R&D department decided to change the **hydro-rubber core to a full rubber version**. By **selecting the optimal rubber shore hardness** and **balancing the axial and radial stiffness** of the silent blocks, we tried to stay as close as possible to the OE characteristics.



This solution seriously increases the strength and durability of these silent blocks without compromising comfort and road behavior.

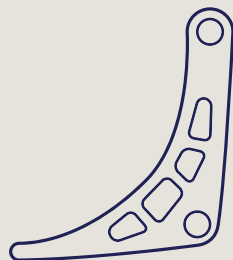
SUMMARY

In short: **we kept your ride comfortable and safe while reducing service costs and efforts.**
A new, well-thought-out, full rubber core design **guarantees reliability, comfort and durability.**

APPLICATION: WHICH PART WAS IMPROVED?

MODEL	SIDEM REFERENCE	
Mercedes EQA (H243) 02/2021 – present Mercedes EQB (X243) 10/2021 – present Mercedes GLA (H247) 02/2020 – present Mercedes GLB (X247) 08/2019 – present	Full rubber silent blocks 8496000 R (Left) 8496001 R (Right)	
Renault Espace V (JR_) 02/2015 – 03/2023 Renault Scenic IV (JFA) 09/2016 – 07/2022 Renault Grand Scenic IV 09/2016 – 03/2023 Renault Megane IV (B9A/M_) 11/2015 – present Renault Megane IV Grandtour (K9A/M_) 04/2016 – present Renault Megane IV Saloon 10/2016 – present Renault Talisman (_FD) 06/2015 – present	Full rubber silent blocks 805650 R	
Audi A4 (8K2-B8) 08/2007 – 09/2016 Audi A4 (8W2, 8WC-B9) 05/2015 – present Audi A4 Allroad (8KH-B8) 04/2009 – 05/2016 Audi A4 Allroad (8WH, 8WJ-B9) 01/2016 – present Audi A4 Avant (8K5-B8) 11/2007 – 12/2015 Audi A4 Avant (8W5, 8WD-B9) 08/2015 – present Audi A4 Quattro (B8) 01/2008 – 12/2015 Audi A4 Quattro (B9) 05/2015 – present	Audi A5 Cabrio (8F7) 03/2009 – 01/2017 Audi A5 Cabrio (F57, F5E) 11/2016 – present Audi A5 Coupe (8T3) 06/2007 – 01/2017 Audi A5 Coupe (F53, F5P) 06/2016 – present Audi A5 Sportback (8TA) 09/2009 – 01/2017 Audi A5 Sportback (F5A, F5F) 09/2016 – present Audi Q5 (8RB) 11/2008 – 05/2017 Porsche Macan (95B) 02/2014 – present	Full rubber silent blocks 837627 R
Mercedes EQA (H243) 02/2021 – present Mercedes EQB (X243) 10/2021 – present Mercedes GLA (H247) 02/2020 – present Mercedes GLB (X247) 08/2019 – present	Track control arms with full rubber silent blocks 490078 R (Left) 490079 R (Right)	
Renault Megane IV (B9A/M_) 11/2015 – present Renault Megane IV Grandtour (K9A/M_) 04/2016 – present Renault Megane IV Saloon 10/2016 – present	Track control arms with full rubber silent blocks 5472 R (Left) 5473 R (Right)	
Renault Scenic IV (JFA) 09/2016 – 07/2022 Renault Grand Scenic IV 09/2016 – 03/2023 Renault Megane IV (B9A/M_) 11/2015 – present Renault Megane IV Grandtour (K9A/M_) 04/2016 – present Renault Megane IV Saloon 10/2016 – present	Track control arms with full rubber silent blocks 5474 R (Left) 5475 R (Right)	
Renault Espace V (JR_) 02/2015 – 03/2023 Renault Talisman (_FD) 06/2015 – present	Track control arms with full rubber silent blocks 5476 R (Left) 5477 R (Right)	

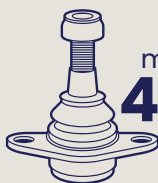
WHY EXPERTS RELY ON SIDEM.



**own engineering
& manufacturing**



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.

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