



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.



THE N°1 MANUFACTURER FOR STEERING & SUSPENSION PARTS

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.

SIDEM
Experts know why



sidem.eu



EXPERTS KNOW WHY

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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.



[sidem.eu](https://www.sidem.eu)



STEERING AND SUSPENSION PARTS TESTED TO THE LIMIT



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FIND ALL REFERENCES YOU NEED

✓ WIDEST RANGE

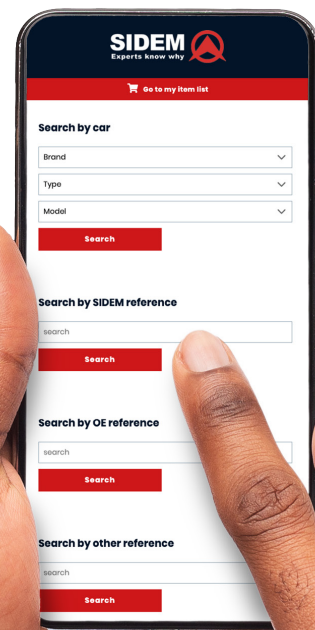
Sidem has more than 9.000 steering and suspension references in its catalogue so that you always find the parts that you need.

✓ HIGHEST AVAILABILITY

The catalogue covers steering and suspension parts for the entire range of European and Asian car brands, all available from stock.

✓ QUICK ONLINE SEARCH

Find all the steering and suspension parts you need in our online catalogue via catalogue.sidem.be or via Sidem's mobile app.



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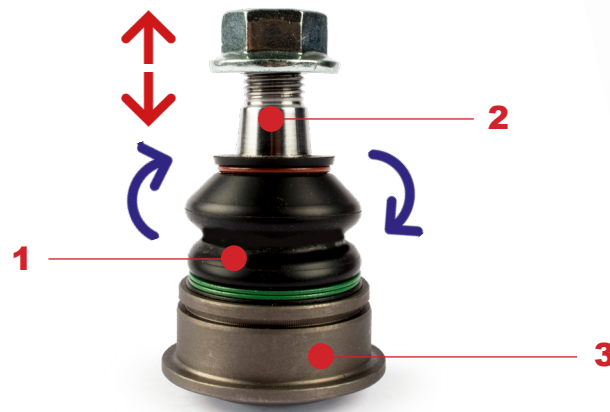
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BALL JOINTS

TESTED REFERENCES

C-SEGMENT MEDIUM CARS



1 The right torque

- ✓ The right torque prevents premature wear of the part.
- ✓ During the test the housing is clamped while the ball stud is rotated and break away and dynamic torque are tested.
- ✓ Comparative testing with other supplier's ball joints show that Sidem parts offer the best torque values.

TORQUE VALUE*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Break away/ Dynamic (Nm)	5/3	5/3	5/2	8/2	5/4

* When a low value is measured, the part will perform better than when a high value is measured.

2 Good performance for play

- ✓ In case of play parts will wear prematurely leading to a shorter life span.
- ✓ During the test the housing is clamped in a fixture and the ball stud is forced up and down while the travel is compared with the force.
- ✓ Comparative testing with other supplier's ball joints show that Sidem has excellent values when it comes to play!

PLAY*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Value (mm)	0,12	0,18	0,37	0,29	0,27

* When a low value is measured, the part will perform better than when a high value is measured.

3 High corrosion resistance

- ✓ When critical areas on parts are subject to corrosion, the life span will decrease seriously.
- ✓ During the test the part is placed in a test chamber and corrosion is measured according to ISO 9227 standards.
- ✓ Comparative testing with other supplier's ball joints show that Sidem parts are highly resistant to corrosion.

CORROSION*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Value after 144 hrs (%)	0	0	5	5	5

* When a low value is measured, the part will perform better than when a high value is measured.



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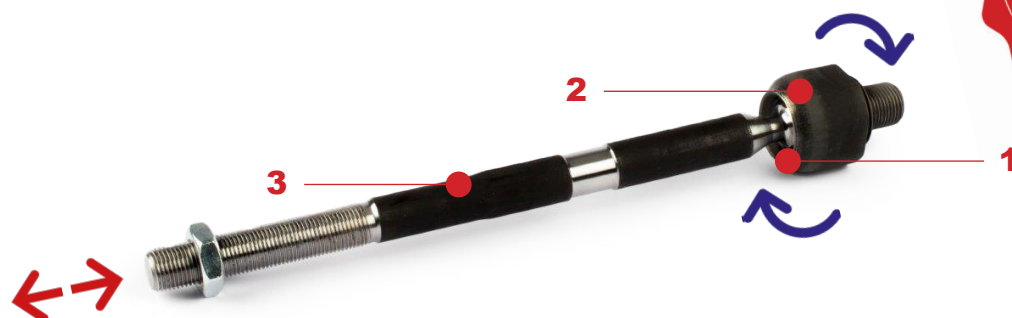
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AXIAL JOINTS

TESTED REFERENCES

B-SEGMENT SMALL CARS



1 The right torque

- ✓ Sidem applies its brand new torque optimizing technique on all axial joints.
- ✓ The new technique relieves the stress in the steering system and ensures the minimal tension on the part.
- ✓ Optimized torque prevents premature wear on steering gear/rack and damage to the EPS electric powersteering.
- ✓ During the test the housing is clamped while the ball pin is rotated and break away and dynamic torque are tested.
- ✓ Comparative testing with other supplier's axial joints show that Sidem parts offer the best torque values.

TORQUE VALUE*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Break away/ Dynamic (Nm)	9/4	6/3	18/9	20/8	16/10

* When a low value is measured, the part will perform better than when a high value is measured.

2 Good performance for play

- ✓ In case of play in the steering, parts will wear prematurely leading to a decreased life span.
- ✓ During the test the housing is clamped in a fixture and the ball pin is forced up and down while the travel is compared with the force.
- ✓ Comparative testing with other supplier's axial joints show that Sidem is best in class when it comes to play!

PLAY*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Value (mm)	0,32	0,17	0,27	0,46	0,32

* When a low value is measured, the part will perform better than when a high value is measured.

3 High corrosion resistance

- ✓ When critical areas on steering parts are subject to corrosion, the life span will decrease seriously.
- ✓ During the test the part is placed in a test chamber and corrosion is measured according to ISO 9227 standards.
- ✓ Comparative testing with other supplier's axial joints show that Sidem parts are highly resistant to corrosion.

CORROSION*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Value after 120 hrs (%)	0	0	5	5	5

* When a low value is measured, the part will perform better than when a high value is measured.



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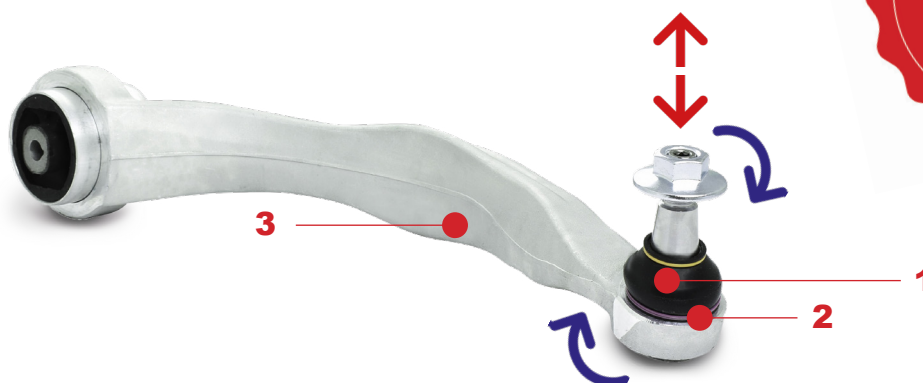
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TRACK CONTROL ARMS

TESTED REFERENCES

C-SEGMENT MEDIUM CARS



1 The right torque

- ✓ The right torque prevents premature wear of the part.
- ✓ During the test the housing is clamped while the ball stud is moved in a measuring cycle where break away and dynamic torque are tested.
- ✓ Comparative testing with other supplier's track control arms show that Sidem parts offer the best torque values.

TORQUE VALUE*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Break away/ Dynamic (Nm)	5/3	5/3	5/2	8/2	5/4

* When a low value is measured, the part will perform better than when a high value is measured.

2 Good performance for play

- ✓ In case of play in the suspension, parts will wear prematurely leading to a shorter life span.
- ✓ During the test the housing is clamped in a fixture and the ball stud is forced up and down while the travel is compared with the force.
- ✓ Comparative testing with other supplier's track control arms show that Sidem has excellent values when it comes to play!

PLAY*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Value (mm) at 250 kg	0,12	0,18	0,37	0,29	0,27

* When a low value is measured, the part will perform better than when a high value is measured.

3 High corrosion resistance

- ✓ When critical areas on steering parts are subject to corrosion, the life span will decrease seriously.
- ✓ During the test the part is placed in a test chamber and corrosion is measured according to ISO 9227 standards.
- ✓ Comparative testing with other supplier's track control arms show that Sidem parts are highly resistant to corrosion.

CORROSION*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Value after 144 hrs (%)	0	0	65	15	30

* When a low value is measured, the part will perform better than when a high value is measured.



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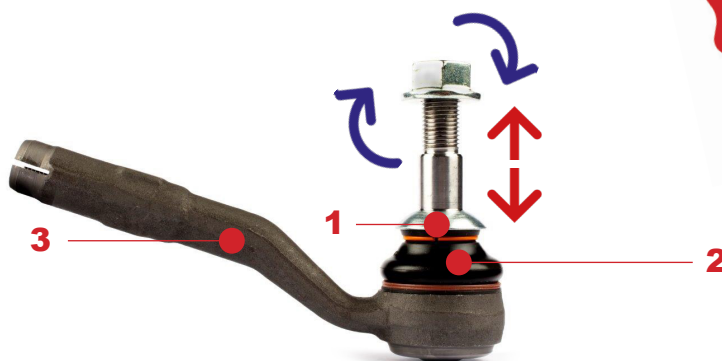
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TIE ROD ENDS

TESTED REFERENCE

E-SEGMENT EXECUTIVE CARS



1 The right torque

- ✓ The right torque prevents premature wear of the part.
- ✓ During the test the housing is clamped while the ball stud is rotated and break away and dynamic torque are tested.
- ✓ Comparative testing with other supplier's tie rod ends show that Sidem parts offer the best torque values.

TORQUE VALUE*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Break away/ Dynamic (Nm)	5/3	5/3	5/2	8/2	5/4

* When a low value is measured, the part will perform better than when a high value is measured.

2 Good performance for play

- ✓ In case of play in the steering system, parts will wear prematurely leading to a decreased life span.
- ✓ During the test the housing is clamped in a fixture and the ball stud is forced up and down while the travel is compared with the force.
- ✓ Comparative testing with other supplier's tie rod ends show that Sidem is best in class when it comes to play!

PLAY*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Value (mm)	0,02	0,02	0,09	0,11	0,06

* When a low value is measured, the part will perform better than when a high value is measured.

3 High corrosion resistance

- ✓ When critical areas on parts are subject to corrosion, the life span will decrease seriously.
- ✓ During the test the part is placed in a test chamber and corrosion is measured according to ISO 9227 standards.
- ✓ Comparative testing with other supplier's tie rod ends show that Sidem parts are highly resistant to corrosion.

CORROSION*	OEM	SIDEM	COMPETITOR 1	COMPETITOR 2	COMPETITOR 3
Value after 144 hrs (%)	0	0	5	5	5

* When a low value is measured, the part will perform better than when a high value is measured.



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