

**STEERING &
SUSPENSION
PARTS.**



LIFETIME LUBRICATING GREASE.



SIDEM LIFETIME LUBRICATING GREASE.

FEATURES.

- ⚙️ High-quality lubricant for **longer lifetime**
- ⚙️ **Protection** against water infiltration & wear: places a protective film on the ball joint
- ⚙️ High **comfort**: reduction of friction, absorbing starting & running torques
- ⚙️ Better adhesion on steel and polymer insert for long time **dampening effect** between the friction bodies

Our reengineered and patented ball joints combine features that have been tested and improved one by one, resulting in a perfectly performing product.

1 Insert in selected polymer

Resistant to high temperatures, high impacts and high wear resistance.

2 Lifetime lubricating grease

- No friction: prevents drying and wearing out
- Better adhesion
- No water-infiltration
- Longer lifespan

3 Cold forged and polished chromium steel ball stud

- Maximum strength
- More rust resistant
- Less friction, increased lifespan

4 Housing finishing

Rounded edges prevent the dustcover from being damaged.

5 Dustcover in chloroprene rubber

- Maximum resistance to chemical substances.
- Best sealing from moist and dust.
- Extreme resistance to endurance and temperature.

6 Dustcover in combination with seat

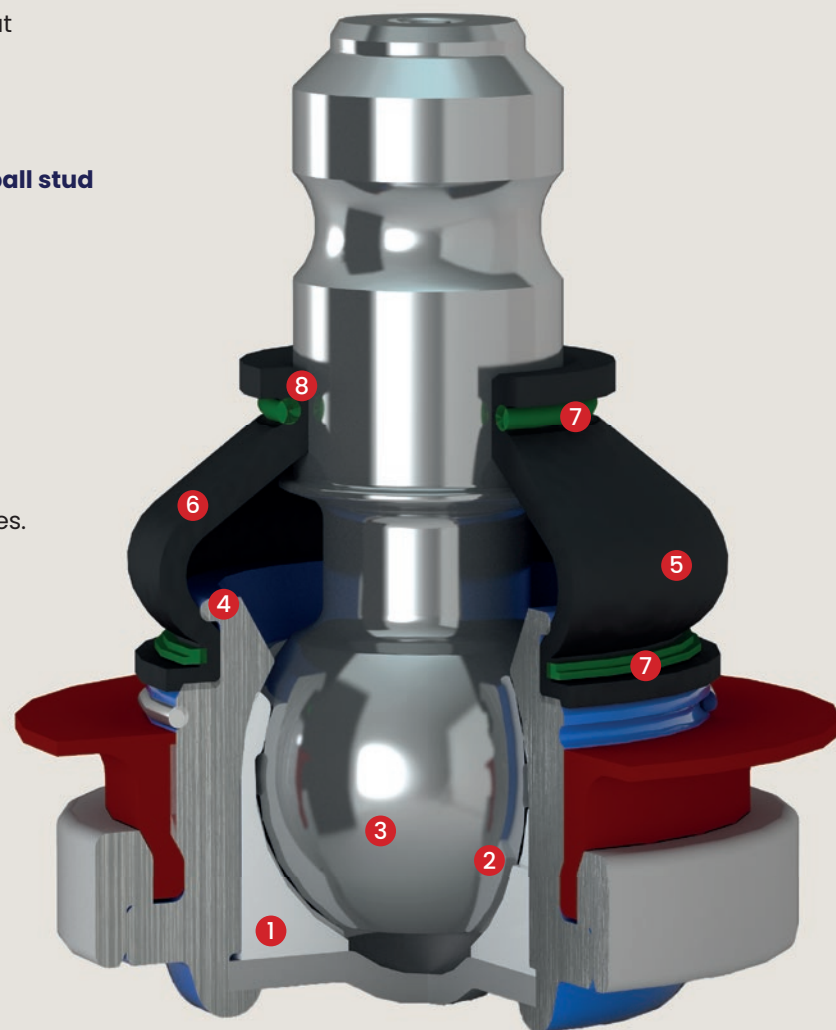
Prevents dustcover from collapsing.

7 Elastic spring steel

- Diameter is maintained
- Maximum sealing
- No deformation

8 Dustcover grooves

Prevent water infiltration.



LIFETIME LUBRICATING GREASE MAKES SIDEM BALL JOINTS THE MOST DURABLE ON THE AFTERMARKET.

Ball joint lubrication is important to prevent the part from drying out, corroding and wearing. The grease used in Sidem parts is co-engineered with Klüber Lubrication and assures a much longer life time due to a smoother movement and protection against water infiltration. Sidem always engineers its parts with in mind the longest possible lifespan, maximum safety, comfort and an easy installation.

LONGER LIFE SPAN

The main reason for the failure of ball joints is corrosion caused by water infiltration. To prevent this, Sidem takes several measures. To start with the use of durable raw materials: e.g. cold-forged, polished chromium steel for the ball pin. This material provides increased strength and rust resistance.

In addition, the dust cover which shields the ball pin and housing, should be securely sealed to the ball-pin and housing using spring steel rings that have the appropriate diameter, for a fixed installation onto the housing and a smooth movement between pin and dustcover top (tilting and rotating of the pin). Besides, the dust cover is designed with grooves on the inside to prevent water from seeping in between. Sidem ball joints are highly waterproof due to their combination of multiple features.

Another important reason for failure is the use of low-quality lubrication. Therefore, the use of high-quality lubricant is crucial as it places a protective film on all vulnerable surfaces. Moreover, high quality lubricant retains its composition and features which prevent drying out, eroding and eventually failing.



COMFORTABLE RIDE

The Sidem grease ensures that ball joints, tie rod ends, stabilizer links and axial joints are lubricated for an ultra-comfortable drive during a much longer period. This semi-synthetic grease reduces both static and dynamic friction, preventing stick-slip by absorbing starting and running torques. Thanks to specific additives, the grease adheres better to both steel and plastic components (polymer inserts). As a result, the grease will function for a longer period and provide a better dampening effect between the friction bodies.

CO-ENGINEERING

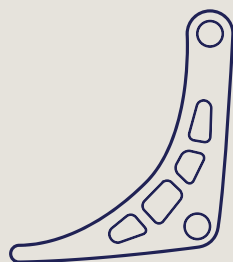
Sidem lubricant is the result of a co-engineering effort between Sidem's R&D department and Klüber Lubrication. Steering and suspension parts are exposed to demanding conditions in day-to-day use (torque, temperatures, weather conditions).

So, several types of lubricants were tested intensively in Sidem's laboratories before the perfect solution was found to ensure the longest lifespan.

Last but not least, the grease composition is free of heavy metals and black solid lubricants and makes the solution even more durable.

KLÜBER
LUBRICATION

WHY EXPERTS RELY ON SIDEM.



**own engineering
& manufacturing**

100%

focus on steering
& suspension

95%

relevante
coverage

98%

service level

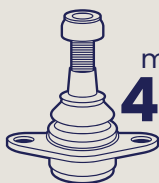
**Electrical &
combustion**
cars

**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.

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SIDEM.EU

SIDEM
Experts know why