

Engine
Chassis
Transmission
E-Mobility

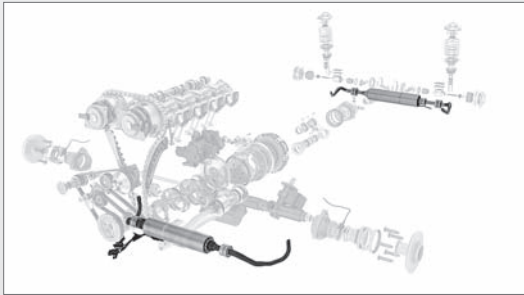
SCHAEFFLER

Roll Stabilizer



EFFICIENT FUTURE MOBILITY

Electric Roll Stabilizer



Description

- Electric roll stabilizer (actuator) for 12V and 48V architecture
- Design comprising electric motor, ECU, multi-stage planetary transmission, torque sensor and elastomer decoupling device
- Mounting on front axle and rear axle or only on rear axle

Advantages

- Resolution of the conflict between the objectives of maximum comfort and maximum driving safety/driving stability
- Minimization of the vehicle body roll angle in cornering
- Variable distribution of wheel load between the wheels on the inside and outside of the corner
- Reduction in CO₂ emissions in comparison with hydraulic systems
- Reduced mounting work in comparison with hydraulic systems

Advantages of 48V architecture

- Reduction in current values
 - Reduced power losses
 - Reduction in EMC issues

