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Mubea



ADAPTIVE STABILIZER BAR SYSTEM

Mechanical – Adaptive – Roll – Damping | MARD

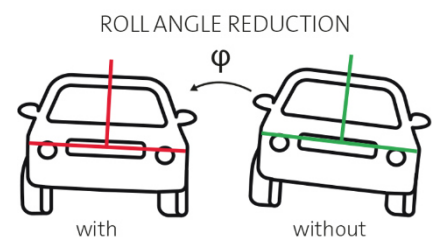


Innovation:

- › Specially designed adaptive stabilizer bar system to enhance driving dynamics and steering response while maintaining high vertical comfort
- › Mechanical spring and damper system with functional combination of roll stiffness and roll damping
- › Technical advantage is to provide variable roll control to the driving conditions in real time, unlike passive stabilizers with fixed stiffness

Customer Benefit:

- › Similar driving performance as a fully active system
- › Does not require electric energy – full range
- › Can be used for improved off-road capability
- › Significant performance benefits in driving dynamics / comfort at a lower cost and complexity
- › Target cost at a factor 1/3 of full active stab bar systems



Status:

- › Proof of concept and validation based on the OEM specification completed
- › Demo-Cars at Customers in testing and validation
- › Series development/industrialization according to OEM specification ongoing
- › SOP in 2026/27, aligned with a new platform launch.