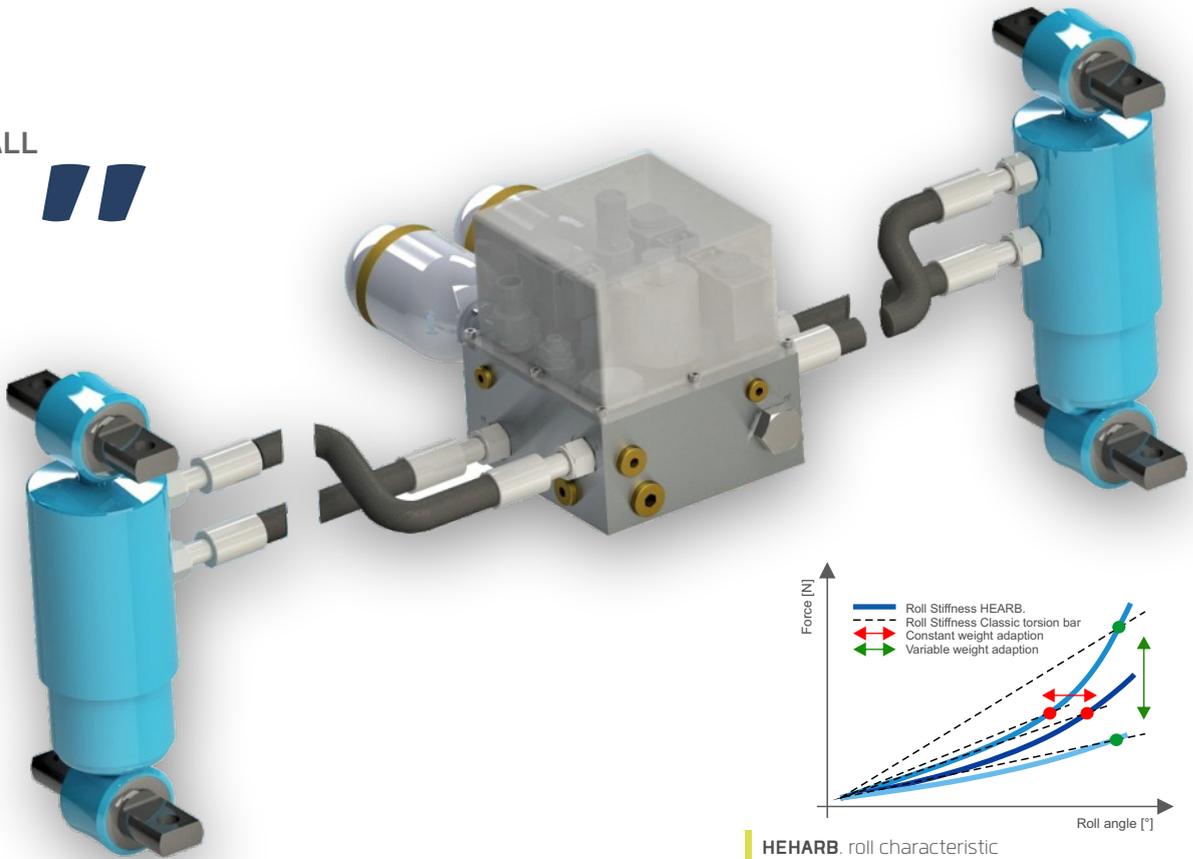




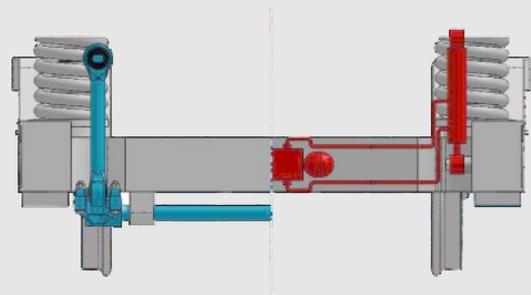
ONE fits ALL



HEHARB. roll characteristic

HEHARB. Hydraulic Anti-Roll Bar

HEHARB is an innovative Hydraulic Anti-Roll Bar system that offers a viable alternative to the traditional mechanical anti-roll bar (stabilizer). The system comprises two to four vertical hydraulic cylinders that replace the secondary damper and vertical anti-roll bar rod of a bogie. With the same diameters and stroke as conventional dampers, there is no need for design adaptation in the bogie. The dampers are linked via high-pressure hoses to a central valve block, where the damping value and roll rate can be adjusted. By eliminating the mechanical anti-roll bar and replacing it with a hydraulic system, HEHARB offers a range of advantages, including improved ride comfort, reduced wear and tear on the vehicle, and better stability during cornering. Additionally, HEHARB is a more versatile system that can be adjusted to meet specific requirements and is particularly well-suited to high-speed applications. Overall, the HEHARB system represents a significant step forward in suspension technology and offers a compelling alternative to traditional mechanical anti-roll bars.



Classic Anti-roll bar vs. HEHARB. Hydraulic ARB

Features

- adjustable progressive roll stiffness / roll rate
- less irritation of vertical suspension
- low weight
- easy integration to bogie (no lateral torsion bar)
- variable integrated damping
- predictive maintenance function
- measurement of roll angle
- redundancy (fail safe mode)
- applicable to existing bogie designs or new design



HEMSCHIEDT
a Hübner Group company