



HELA. Lower-Articulation

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jacobs-bogie application

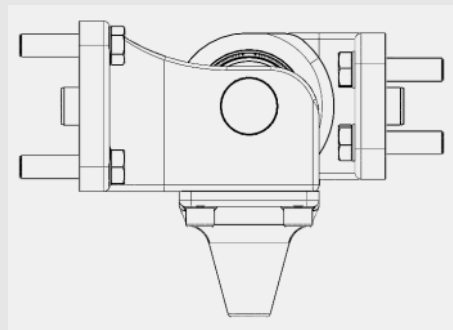
HELA. – Maximum Flexibility and Precision for Jacobs Bogies
Innovative Technology for Smooth Motion Sequences
HEMSCHEIDT Engineering stands for top-quality and excellence in articulation technology. With HELA., we offer a groundbreaking articulation system for Jacobs bogies, optimizing the ride comfort and durability of modern rail vehicles.

HELA.'s intelligent design relies on a specially developed rubber-metal element that effectively absorbs shocks while damping vibrations. Thanks to its innovative guidance within a high performance sliding element, our articulation enables nearly frictionless rotation, tilting, and rolling—ensuring maximum smoothness and stability during operation.

translation damped 
free rotation 



HELA. Cross-sectional view of the joint



HELA. Modular King-Pin

Another key highlight is HELA.'s differential design: it has been standardized and offers a wide range of applications. A particular standout feature is the modular king pin, positioned at the lower part of the articulation. It can be individually adapted, allowing HELA. to integrate seamlessly into any Jacobs bogie—without requiring modifications to the articulation design.

With HELA., you choose a solution that combines flexibility, reliability, and durability. Our commitment is to deliver tailor-made technologies of the highest quality that meet the demands of modern rail transport.



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