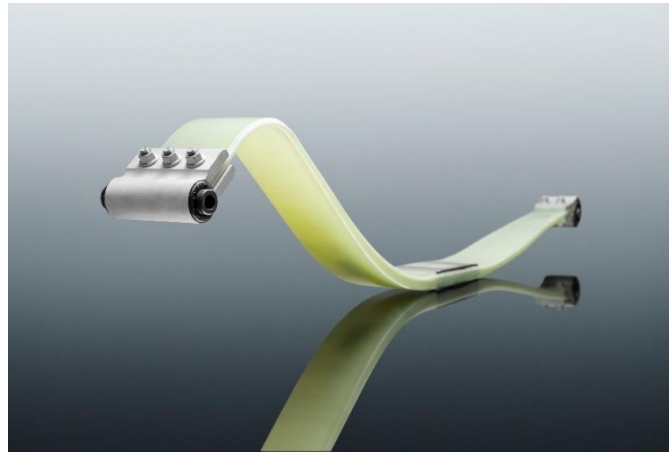


SUCCEED IN TRANSFORMATION

Mubea



GFRP TENSION LEAF SPRINGS



Innovation:

- › Progressive spring characteristic due to a superimposed and increased tension ratio during deflection
- › Single-layer GFRP spring

Customer Benefit:

- › Up to 50 kg/vehicle weight savings
- › No interleaf self-generated noise
- › Longer lifespan vs. steel: No corrosion, safe & progressive rate/ride height loss
- › Improved ride behavior:
 - Progressive rate characteristic for homogeneous frequency curve
 - Wheel recession curve optimization for improved steering behavior
 - Reduced unsprung mass
 - No interleaf friction
- › Significantly lower amount of assembly parts

Status:

- › Mass production in EU and NA and production in CN in preparation