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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