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Mubea



MLR Coil Spring System for NEV

Innovation:

- › High tensile lightweight material with SLM technology
- › Unique design capabilities for maximum lightweight design
- › Extension of cold forming for springs with high loads and rates (esp. for NEV)
- › Scrap optimized tapered wire for dual rate springs
- › Bonded rubber pad (DuraConnect Technology)
- › NVH optimized coil spring system



Customer Benefit:

- › Lightweight coil spring at best cost
- › Holistic development of coil spring systems tailored for NEVs and LCVs
- › Maximum robustness at the critical end coil interfaces
- › Improved comfort for NVH sensitive vehicles based on high system expertise
- › Highest level of quality and reliability

		Market Requirement								
		CO2 reduction								
		Lightweight at best cost								
		Fatigue life and sag resistance								
		High spring rates and loads								
		Dual rate springs								
		Coil spring system								
		Robust interface								
		Noise sensitivity								
Mubea Technology	Material and Spring Production	Electric Arc Furnace Steel								
		High Tensile SLM-Material								
		"Large Wire" Cold Forming								
		Tapered Wire								
	System Design and Production	Design Optimization								
		System Competence								
		DuraConnect								
	Advanced Functions	NVH Optimization								

Status:

- › Series Production