VE Commercial Vehicles Ltd

Optimized Bell Crank Assembly

VE Commercial Vehicles Ltd. utilized solidThinking Inspire topology optimization technology to find a material efficient material layout for numerous components within its 8x2 heavy duty truck bell crank assembly. The technology assisted the team to identify where material could be removed without impacting performance. The result was a total of 16kg saved by optimizing 4 bell crank and 2 rear suspension mounting brackets.

**Category:** Module

**Application:** 8x2 Heavy Duty Truck

**Weight saving:** 16kg over 6 components

**Methodology:** Design Optimization