



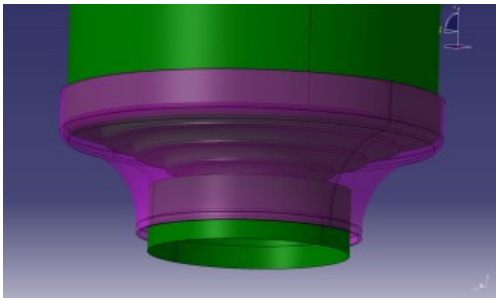
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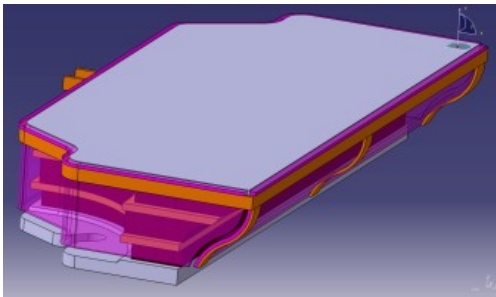
**INNOVATIONS  
AND TRENDS**



## Rubber-metal components with new fire protection system



Primary rubber spring sealed with heat-reacting fire retardant material



Rubber compression spring with flexible heat-cover

Rubber-metal mounts are widely used in railway applications, especially in the bogie. Regarding fire protection, strict regulations apply here. The world premiered solution provides fire protection of the rubber body through heat shielding. The type of protection has no adverse effect on the mechanical properties of the components, it can be used with all rubber compounds. The shielding principle of Jörn is based on materials that expand in heat and so multiply their volume. Existing free spaces, such as free spring travel closed and the component encased thereby, mechanical properties are largely retained. Compared to other solutions there is no mechanical restriction of the rubber components; existing systems can also be retrofitted.

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Subject to further change