

we think transport

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BPW LightTube

In combination with the launch of the high strength forged aluminium hub, BPW has also launched a new trailing arm that is 7kg lighter than the current 1x56mm trailing arm (26 kg). On a tri-axle arrangement this translates to a weight saving of 42 kg. Combining this with the Aluminium hub the weight saving is increased to 96 kg. This translates into more payload and fewer trips, saving on CO₂ emissions and increased revenue.

Overview

The LightTube trailing arm is manufactured in a multistage innovative manufacturing process called flow forming. In this process, hollow sections with different wall thicknesses can be rolled out. Figure 1 shows what the LightTube trailing arm looks like.

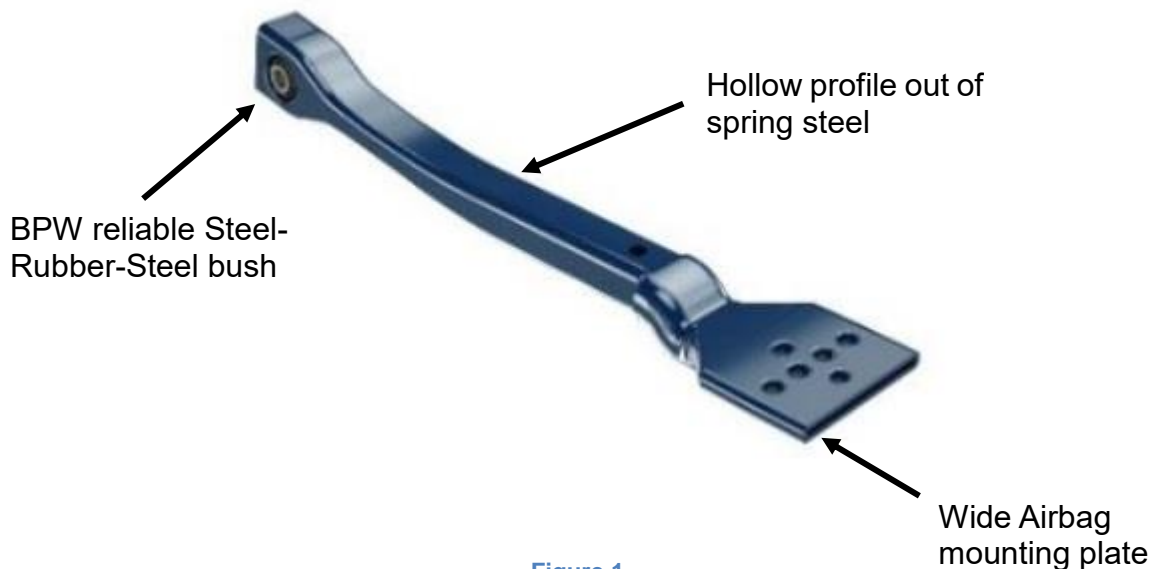


Figure 1

Field of application

The LightTube is 100% compatible with existing versions, it is the equivalent of the solid 1x56 trailing arms. As with all BPW components the trailing arm is also KTL coated for optimum corrosion protection.

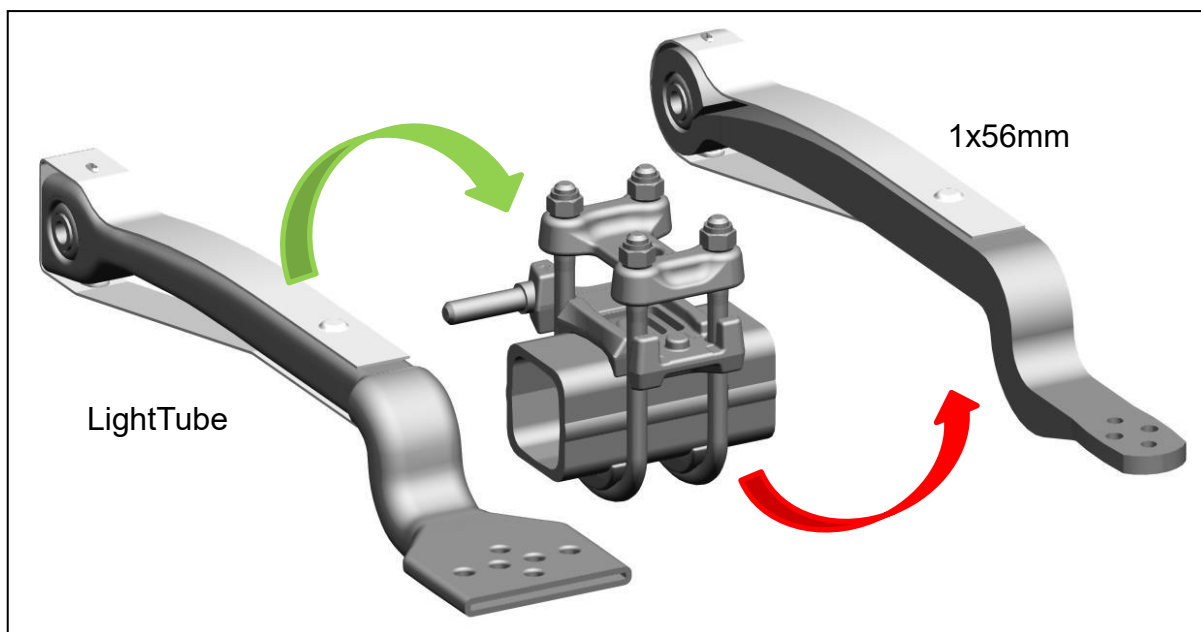


Figure 2

The LightTube has identical ride heights as well as identical technical performance compared to solid trailing arms. Used strictly for on-road vehicles only, on 120x10 square axle bodies in a clamped arrangement with spring centres greater than 1200mm and running on super single tyres.

Components that make up the lightweight suspension

When replacing the solid 1x56mm trailing arm with the LightTube trailing arm the catch strap and U-bolts need to be replaced as well:

For the ALM layout:

- LightTube trailing arm: 05.082.14.55.2
- Catch Strap: 05.348.30.92.0
- U-bolt: 03.138.37.12.4

For the ALO layout:

- LightTube trailing arm: 05.082.14.56.2
- Catch Strap: 05.348.30.93.0
- U-bolt: 03.138.37.12.4

For the ALU layout:

- LightTube trailing arm: 05.082.14.56.2
- Catch Strap: 05.348.30.93.0
- U-bolt: 03.138.30.08.4