

## Replacement of 1x56 Trailing Arm with LightTube

### Introduction

BPW Axles will be replacing the 1x56 trailing arm used on clamped suspension trailers with spring centers above 1 200 mm with the new and improved LightTube. The change will happen during quarter 1 of 2025. This change is to assist operators by reducing the weight of the running gear, with each LightTube trailing arm being approximately 7kg lighter. This results in a weight saving of 42 kg for a tridem axle trailer.

### 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.

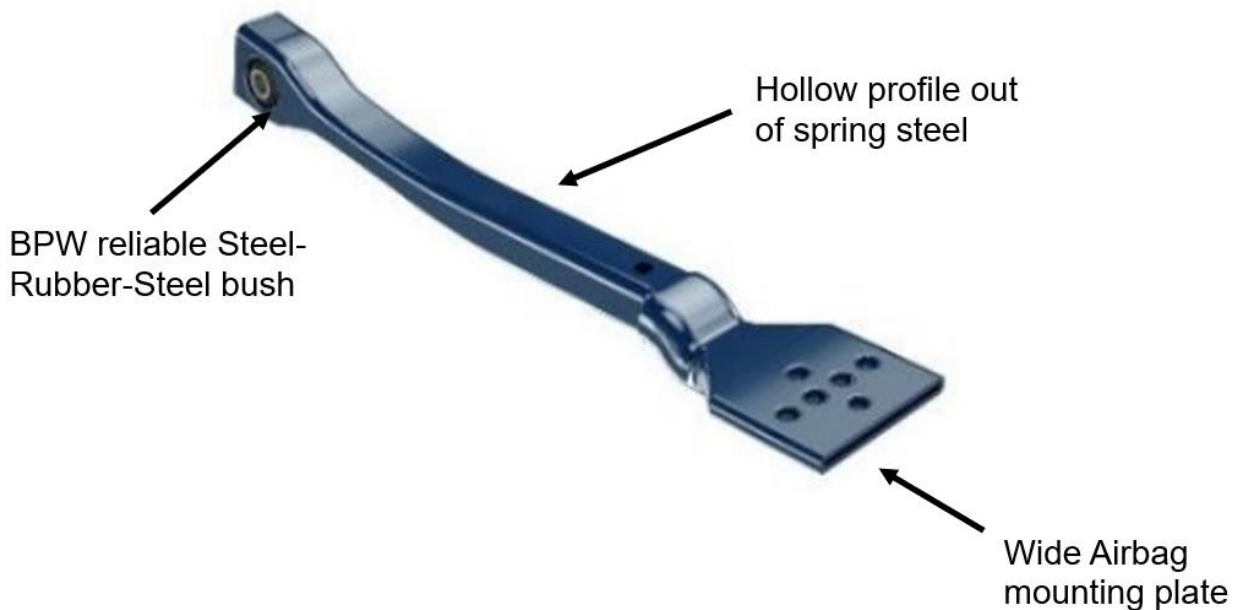


Figure 1: Illustration of the LightTube

### 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.

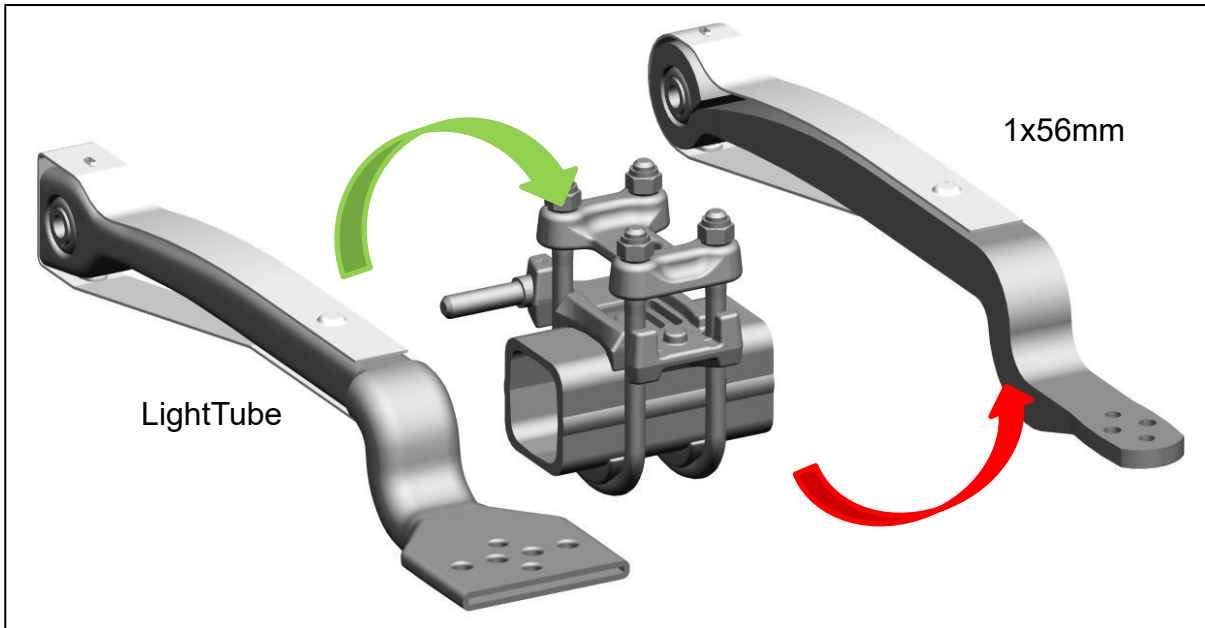


Figure 2: LightTube is compatible with existing axle versions using the 1x56 trailing arm on AL2 suspension.

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 centers 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

**It is important to note that the LightTube and 1x56 trailing arm cannot be used on the same axles.** The 1x56 trailing arm will still be available as a spare part.