

PDC - The Variable Damping System for Air-Sprung BPW Running Gear

BPW is working together with SACHS to offer the exclusive PDC variable damping system. This system improves the way in which the running gear adapts to the loading conditions and is available both as original equipment and for retrofitting to existing trailers and semitrailers.

The infinitely variable, pneumatically controlled damping effect helps to significantly reduce the shock loads on the cargo as well as cutting the amount of wear to a number of component parts (tyres, suspension, accessories, etc.). It also gives a smoother ride and better road safety in critical situations.

Advantages:

- **Safety:** Damping of the trailer and semitrailer is optimally adapted to the cargo, giving improved handling.
- **Driving comfort:** Shock loads are absorbed better, irrespective of whether the vehicle is unladen, partially laden or has a full load. Vertical movement of the trailer floor is therefore reduced.
- **Maintenance costs:** Reduced wear
- **Noise reduction:** Reduced vibration
- **Vehicle load:** Less strain on vehicle components when unladen.
- **Carriageway wear and tear:** The variable reaction to different loading conditions means less strain is placed on the road surface.
- **Easy to install:** No additional electronics are required, because the damping effect is simply controlled by the existing air suspension.

Configurations:

BPW is offering two different versions of the PDC shock absorber.

They can be exchanged with shock absorbers 02.3722.14.00 / 02.3722.52.00 in almost all standard configurations because the dimensions vary only slightly.

- BPW part number: **02.3722.63.00**

for BPW 30 / 30K air bags and max. damping forces of approx. 5.0 bar

- BPW part number: **02.3722.64.00**

for BPW 36 / 36K air bags and max. damping forces of approx. 3.5 bar

BPW can also supply the appropriate installation kit for each axle (BPW part number: 05.801.10.96.0). This includes plug connectors and an air hose for connecting to the air suspension system.

