



# APPLICATION INFO

## PERMAGLIDE® PLAIN BEARINGS: BEARING PIVOTED JOINT UTILITY VEHICLE DRIVER'S CAB

**Sector:** Utility vehicle production

**Products:**

Permaglide® plain bearing bush **design PAP ... P200**

**Function**

To reach the engine under the cab for maintenance work on utility vehicles, the driver's cab is tilted forwards. The pivoted joint on the driver's cab is fitted with two plain bearings for the swivel movement.

The pivoted joint must always work smoothly, even if it is not used frequently. The pivoted joint is constantly subjected to shocks and vibrations during travel. This means that there is a risk of tribocorrosion on the plain bearings.

Permaglide® P20 plain bearing bushes can be installed in the application. Using the Permaglide® plain bearing bushes means that no tribocorrosion occurs.

A plain bearing is positioned on each side of the swivel axis. The plain bearing bushes were pressed into a needle bush for easy mounting and seals were used on both sides. The plain bearings were lubricated prior to installation. The lubrication is sufficient for the entire service life. The sliding speed and temperature are negligible in this application.

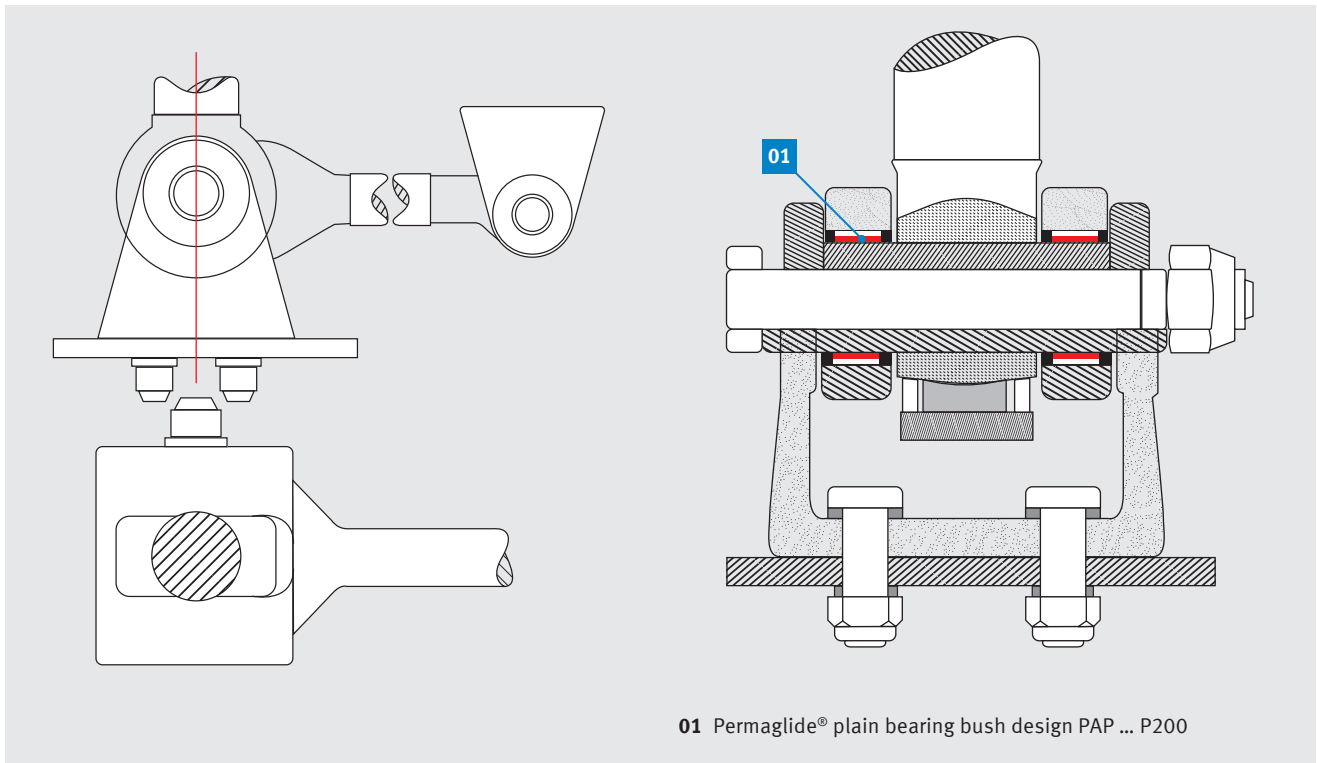
**Advantage: reliable function of the bearing with Permaglide® P200 plain bearing bushes**

- High wear resistance
- No tribocorrosion
- Insensitive to shocks and impacts
- Good damping characteristics
- Low-maintenance operation with lubrication
- Highly stressable
- Insensitive to moisture due to low swelling tendency
- Insensitive to dirt
- Lead-free
- Compliant with Directive 2011/65/EU (RoHS II)



Bearing with Permaglide® plain bearing bush design PAP ... P200





Detail pivoted joint



**Further information on  
Permaglide® plain bearings**  
Permaglide® catalogue, item  
no. 50003863-02