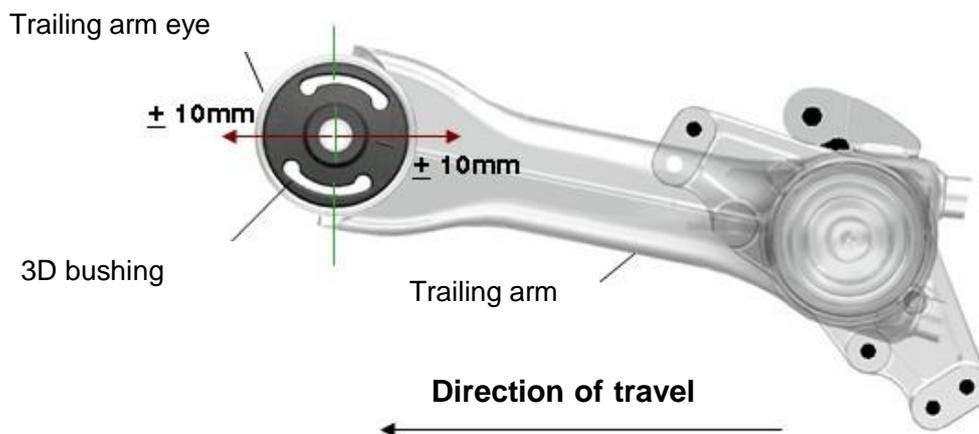




DCA Family - 3D Bushing (1)

The following notes refer to the following model designations: 749.308, 749.309, 749.324, 749.325, 749.333, 749.349, 749.349, 749.360 and 749.361 (see identification plate).

The 3D bushing located in the trailing arm is part of the suspension system and enables safe as well as comfortable handling characteristics of the trailer thanks to its function. The wear plates cover the trailing arm eye and protect the sidewalls of the bearing bracket against mechanical damage. Depending on the force acting on it, horizontal deflections from the central position of (\pm) 10mm can be achieved.



The 3D bushing is a wear part. With light use, an initial check of the 3D bushing and the associated wear plates is recommended after 4 years, and once a year following this (or every 100,000 km). With heavy use cases, the check should be performed starting the second year and once a year following this.

Worn 3D bushings impair the function of the suspension connection. As a result, this can also lead to damage to the axle and thus endanger the road safety.

Note on the check

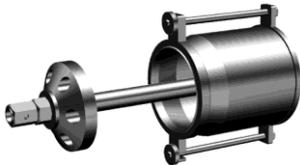
For the visual check of the 3D bushings, the trailing arms are to be lowered out of the bearing brackets. To do so, the bearing bracket threaded connections must be loosened and the axle braced accordingly. If worn 3D bushings are determined during the visual check, a replacement must be performed. If very thin or broken plates are diagnosed, a replacement of the wear plates is necessary. You must note that new threaded connections are always to be used. Threaded connections used once should never be reused.



DCA Family - 3D Bushing (2)

Note on the disassembly/assembly

During the disassembly, we recommend heating the trailing arm eye of the 3D bushing with a heat gun to approx. 80 °C. To avoid damage to the trailing arm, the „Extraction and insertion tool for 3D bushing“ should also be used during the disassembly/assembly.



Extraction and insertion tool for 3D bushing

Part no.: W 749 589 01 33 00

The marking line on the 3D bushing must be in line with the weld seam at the trailing arm (max. tolerance: $\pm 2^\circ$). In order to ensure precise positioning when inserting, thorough cleaning of the trailing arm eye as well as the use of commercially available tire mounting paste are recommended.

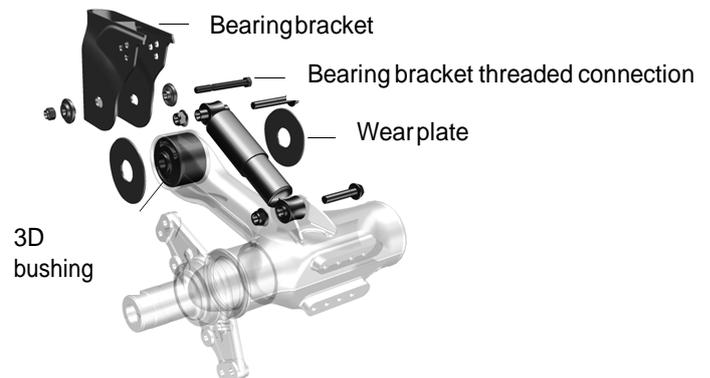
Following installation of the 3D bushing, the wear plates are installed as protective elements between the 3D bushing and the bearing bracket. The fastening of the threaded connection for the bearing bracket/3D bushing is always performed using the **torque angle tightening method** (400 Nm + 180°).

You must note that new threaded connections are always to be used. Threaded connections used once should never be reused.

Order required genuine replacement parts

Place all your trust in high quality.

3D bushing	A 946 390 02 50
Wear plate (2x)	A 946 328 00 76
Nut	A 000 401 06 72
Hexagon head bolt (M22 x 1.5 x 195-10.9)	A 946 990 00 00



Have the maintenance and repair work carried out on the axle systems and the associated components in good time in accordance with the inspection and maintenance schedule only by qualified professional workshops.

The complete instructions on the assembly/disassembly of the 3D bushing can be found on the website www.dca-family.com, menu item Service/Repair specifications.