

INSTALLATION INSTRUCTIONS FOR SUSPENSION ARM BEARING BOLTS ON ALL SAF AIR SUSPENSION SERIES WITH M30 BOLTS, E.G. INTRADISC PLUS II

The maintenance-free bearing for the air suspension arms with M30 thread was developed by SAF and went into series production at the beginning of 1984.

A requirement for maintenance-free bolt fitting is an exact TORQUE/TURN ANGLE TIGHTENING METHOD and that THE SETTLING BEHAVIOUR IS KEPT TO A MINIMUM at the bolt interfaces.

3. TIGHTENING METHOD:

- ◆ Installation of the original SAF parts as described in the design folder.
- ◆ Pretightening to 400 Nm
- ◆ Final tightening + 120° turn angle (= 2 nut corners), thereby locking the bolt head to prevent it turning with the nut.

Note: Greasing of the nut contact surface is permissible and does not affect the maintenance-free feature with this method.

With these installation processes, we assume the minimum requirements in accordance with VDI 2862 Category A and corresponding documentation of the installation (see Annex).

4. SETTLING BEHAVIOUR at the Bolt Interfaces:

In order to minimise the settling behaviour when the bolts are loosened, the **paint coating** of the hanger brackets and/or cross-members in the area of the contact points for the bolt heads and nuts and for the inner sleeves of the bearing bushings

is not to exceed a total coat thickness of 45 µm!

This means:

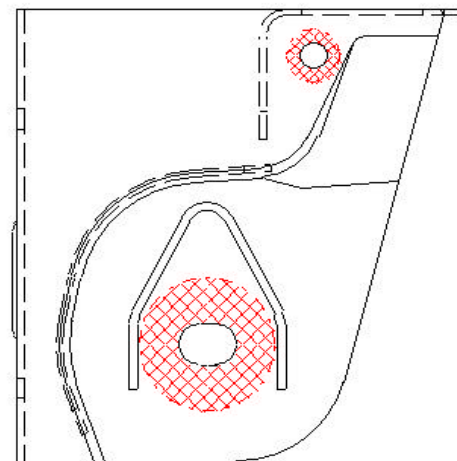
The hanger brackets and cross-members with primer coating at SAF must be masked by the vehicle manufacturer in the suspension bearing areas described above before final painting!

Maintenance-free and Warranty:

The bolt fitting of original SAF **steel** hanger brackets and cross-members is maintenance-free only if the installation instructions above have been exactly followed.

On **aluminium** hanger brackets, this bolt fitting is subject to the corresponding SAF maintenance instructions and is therefore not maintenance-free.

Failure to observe the installation and maintenance instructions will void all warranty and liability claims.



 BOLT INTERFACES ON INSIDE AND OUTSIDE