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ATTENTION!

- Mounting and dismounting of a locking assembly must be restricted to qualified personnel.
- Incorrect handling may cause injury to persons and damage to machines!
- At work, with heavy parts and equipment, observe all safety instructions and warnings.
- Read these instructions carefully and completely before first use. Familiarize yourself with the functioning and the notes on safety in detail. If you have any questions, please contact us at the above phone number or email.
- Place these instructions available to all employees who work with our locking assemblies and pay attention to compliance with the specifications!

General warning!

The general, accident prevention regulations (UVV), the trade association responsible for your company in Germany or for your company valid regulations and laws of the respective country. You will also receive the following safety instructions:

- Make sure before installing and removing the locking assembly, the engine and drive train has been secured against accidental activation! This may done for example by using signs, or by removing the fuses on the power supply (decommissioning). Rotating parts may cause serious injury. Also follow the notes below under the aspect „Safety First“.
- Only use suitable, approved and tested sling means for transporting and installing the locking assembly! Do not stay in the hazardous area!
- During transport of the locking assembly, along with a gear or similar, you have to secure it on the hub to prevent slipping!
- With an upright storage, you have to take care, that the locking assembly can not fall over or roll.

Intended usage

You only allowed to mount, dismantle and use the locking assembly if:

- you have carefully read and understood the installation instructions
- you had technical training
- your company authorized you to do that

You are only allowed to perform maintenance and repairs if you meet the above terms and are familiarized with the procedures used.
The locking assembly must be used only in accordance with their technical data. Constructive modifications, without our approval, are not permitted. For any resulting damage we accept no liability. We reserve the right for technical changes, if these serve to develop or improve safety. The locking assembly described here represents the state of the art at the time of creation of this manual.

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Locking assemblies of types TAS 3012/3015/3015.1/RB

The locking assembly is supplied ready for installation.

The force is transmitted via a frictional connection between the functional surfaces of shaft and hub (hollow shaft)

Pay attention on proper tightening of the clamping screws and the condition of the contact surfaces.

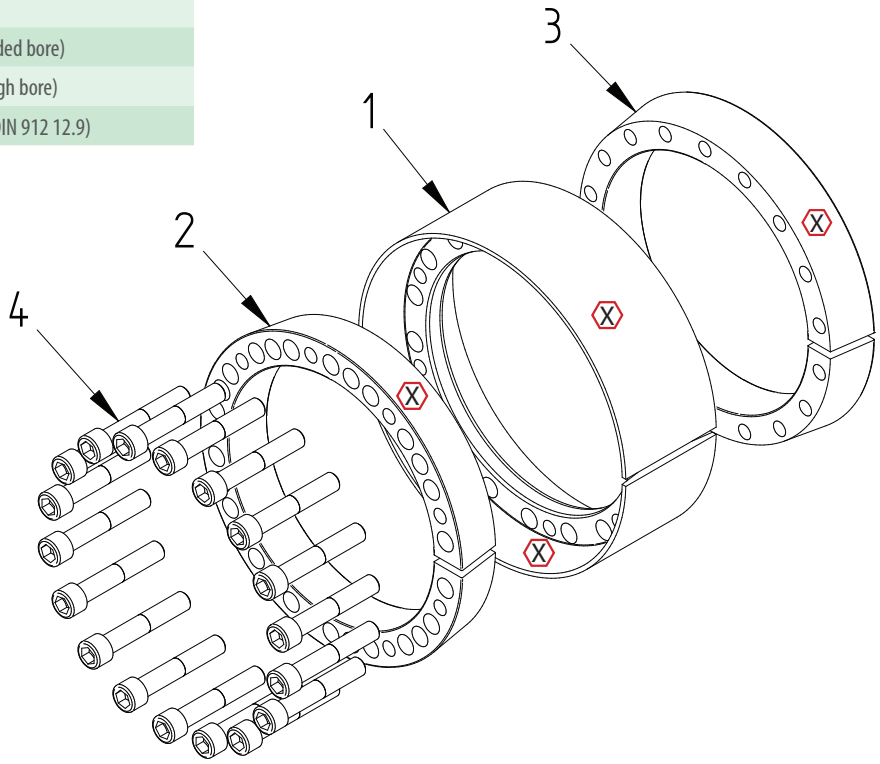
The mandatory tolerances for shaft and hub (hollow shaft) are observed. (see table)

Preferred tolerances and surface roughness

>	≤	FS_{max} mm	Clearance Hub/Shaft	Rz µm
9	18	0,022	H8/h8	10
18	30	0,026	H8/h8	10
30	50	0,032	H8/h8	10
50	80	0,049	H8/h8	10
80	120	0,057	H8/h8	10
120	150	0,065	H8/h8	10
150	180	0,079	H8/g8	10
180	250	0,090	H8/g8	10
250	315	0,101	H8/h8	10
315	400	0,111	H8/h8	10
400	500	0,123	H8/h8	10

Overview of components

Part	Quantity	Designation	Comment
1	1	Bush	
2	1	Pressure ring 1	(with threaded bore)
3	1	Pressure ring 2	(with through bore)
4	20	Screw	(M20x090 DIN 912 12.9)



BSP: TAS 3015/200/260

Lubrication

The locking assembly is lubricated at the factory.
After disassembly of the locking assembly, check for proper lubrication.
Check the lubrication of the points marked with X , as well as the lubrication of the screw threads and head rests.

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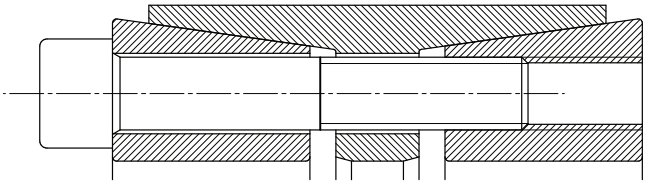
Preparation

- All contact surfaces including the threads and surfaces on which the locking screw heads rest, must be cleaned and provided with a film of oil. Fit shaft, hub and locking assembly having been oiled.

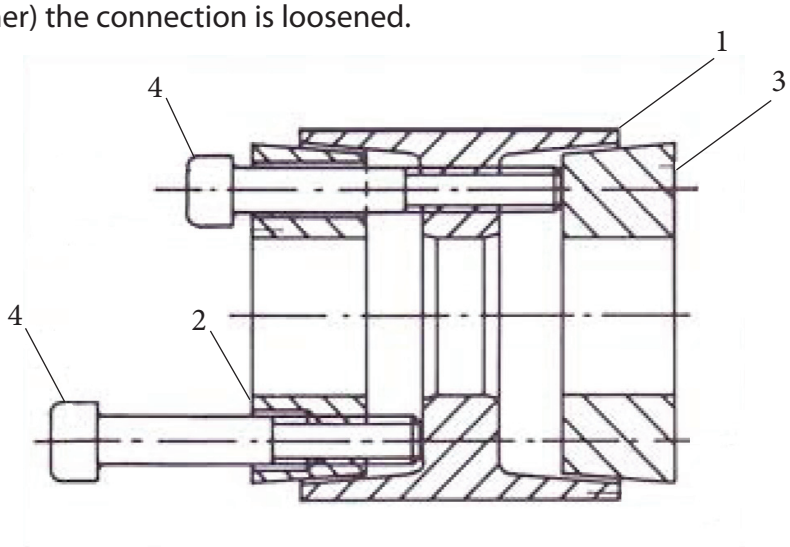


Installation

1. Unscrew all locking screws several turns and screw at least three screws into the threads of parts 1 and 2, so that they press against the stop and hold parts 2 and 3 away from part 1.
2. Place locking assembly in hub bore. Take screws from the lifting screw holes and screw back into the threaded holes of part 3.
3. Tighten screws evenly to the given torque Ma, crosswise covering the circumference several times. (Tighten the screws on the two sides of the slot on after the other). If none of the screws can be tightened any further with the torque wrench, installation is complete.

Dismantling

1. Remove sealing plugs
2. Loosen all screws several turns.
3. Insert screws into all lifting screw holes in the front pressure ring and the arm of the internal bush, which are screwed out of the back pressure ring.
4. By tightening the screws in the lifting screw holes evenly (the screws on the two sides of the slot on after the other) the connection is loosened.



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Reuse of used locking assemblies

Before reuse, clean the locking assembly and check that the condition of the components are perfect. All lubrication points must be provided with new lubricants in accordance with this manual (*see „Lubrication“*).

... continue in the section „Preparation“

Repair / disposal

Defect locking assemblies must be cleaned of grease and oil and be scrapped.

If you are unsure whether your locking assembly is still usable, you can send it to us for review / repair. Please contact us in any case before sending!