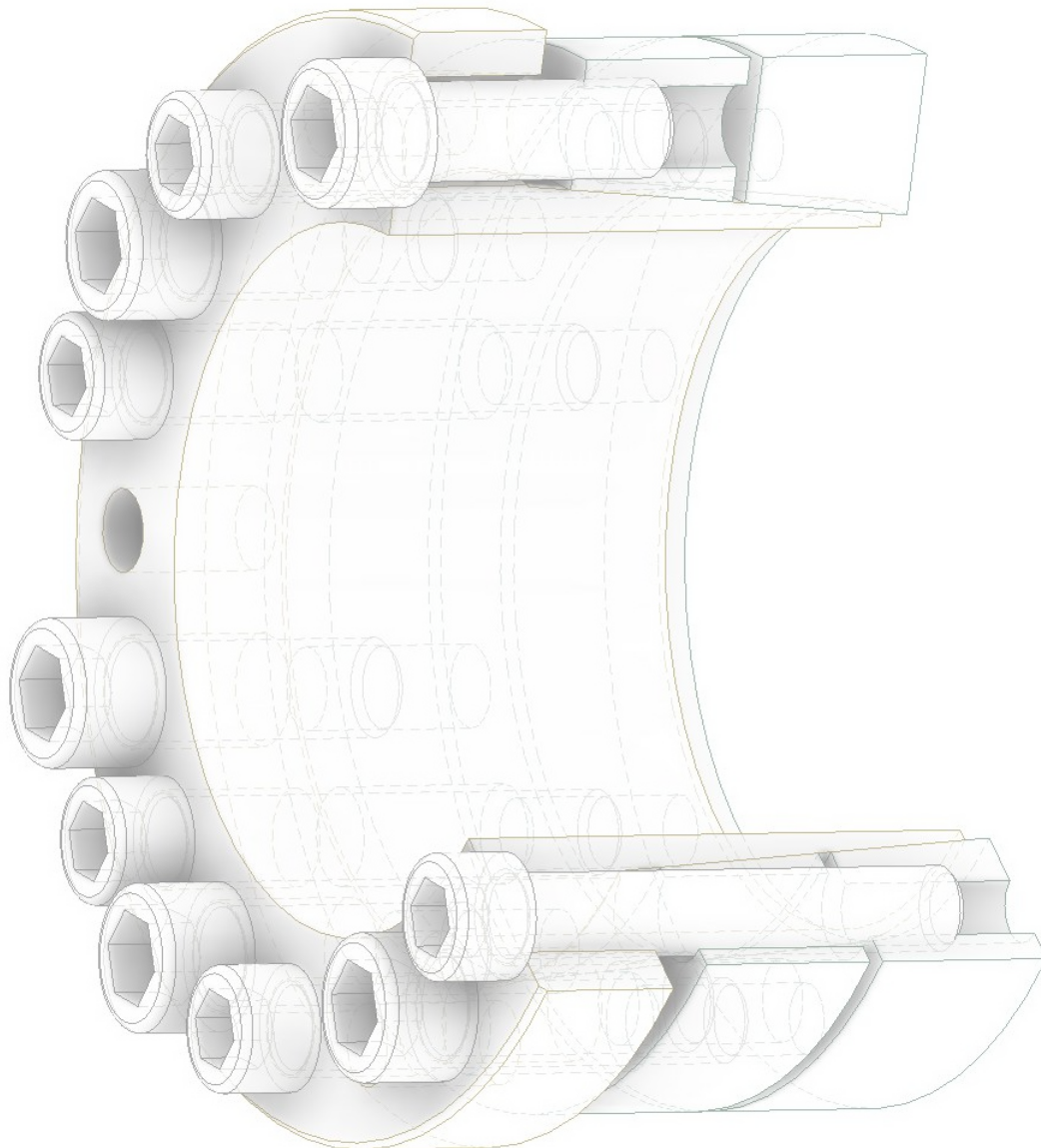


**BIKON 2006.r** M  
stainless  
Installation Manual



Only available from BIKON-Technik GmbH • 41468 Neuss • Germany

A development of BIKON-Technik GmbH - introduction on global market in year 1983

## Index:

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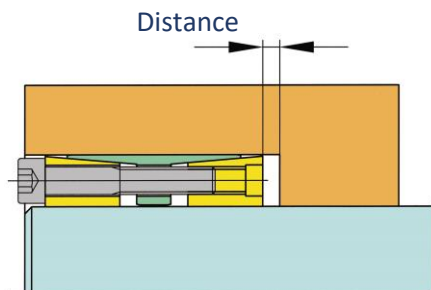
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March 2023

Schematic scetch



## Space - generally

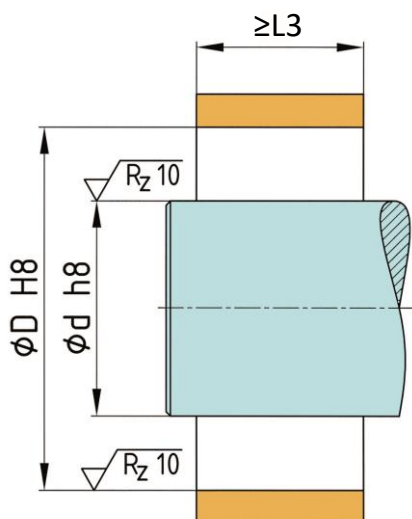
By use of stepped bores the locking assembly should never be pushed to block against the hub. There must be let distance about 2 – 5 mm to the hub to be able to remove the rings from each other. This applies to all BIKON locking assemblies.

## Shafts with keyways

BIKON Locking assemblies can be tighten over keyways (according to DIN) on shafts. The function of the locking assembly is not affected.

**Keyways in the hub are not allowed !**

## Space - BIKON 2006



d	D	L3
mm	mm	mm
30	60	36
35	65	36
40	70	36
45	80	42
50	85	42
55	90	42
60	95	42
65	100	42
70	115	58
80	125	58
90	135	58

d	D	L3
mm	mm	mm
100	150	61
110	160	61
120	170	61
130	190	71
140	200	71
150	210	71
160	220	71
170	240	92
180	250	92
190	260	92
200	270	92

## TA – Tightening torque of screws

d	M1	TA1	M2	TA2
mm	-	Nm	-	Nm
30	M8	17,5	M6	7,3
35	M8	17,5	M6	7,3
40	M8	17,5	M6	7,3
45	M10	35,2	M8	17,5
50	M10	35,2	M8	17,5
55	M10	35,2	M8	17,5
60	M10	35,2	M8	17,5
65	M10	35,2	M8	17,5
70	M12	60,3	M10	35,2
80	M12	60,3	M10	35,2
90	M12	60,3	M10	35,2

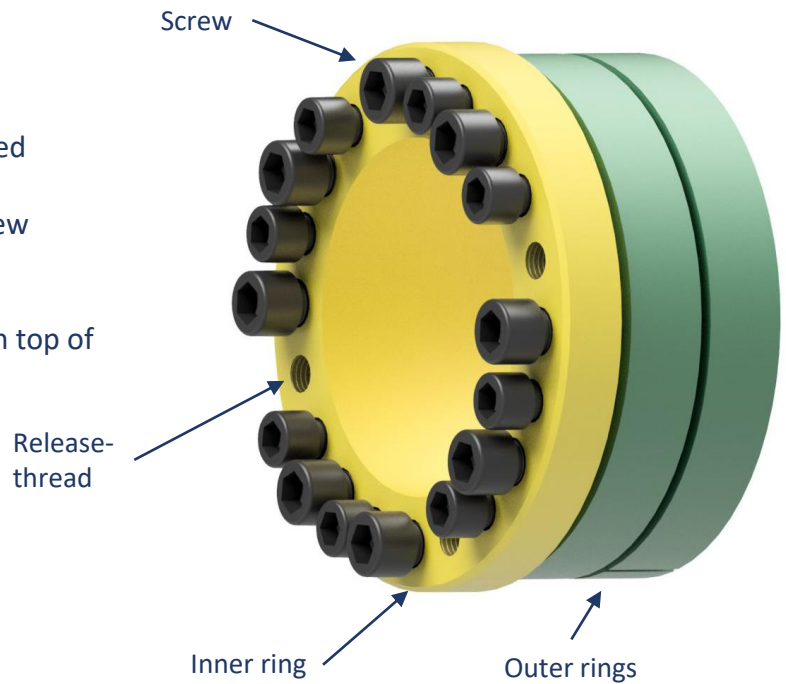
d	M1	TA1	M2	TA2
mm	-	Nm	-	Nm
100	M14	95,8	M12	60,3
110	M14	95,8	M12	60,3
120	M14	95,8	M12	60,3
130	M16	146,2	M14	95,8
140	M16	146,2	M14	95,8
150	M16	146,2	M14	95,8
160	M16	146,2	M14	95,8
170	M20	285,7	M16	146,2
180	M20	285,7	M16	146,2
190	M20	285,7	M16	146,2
200	M20	285,7	M16	146,2

## Installation

### 1.

BIKON locking assemblies are delivered ready for installation and oiled. The screws have been unscrewed a few threads.

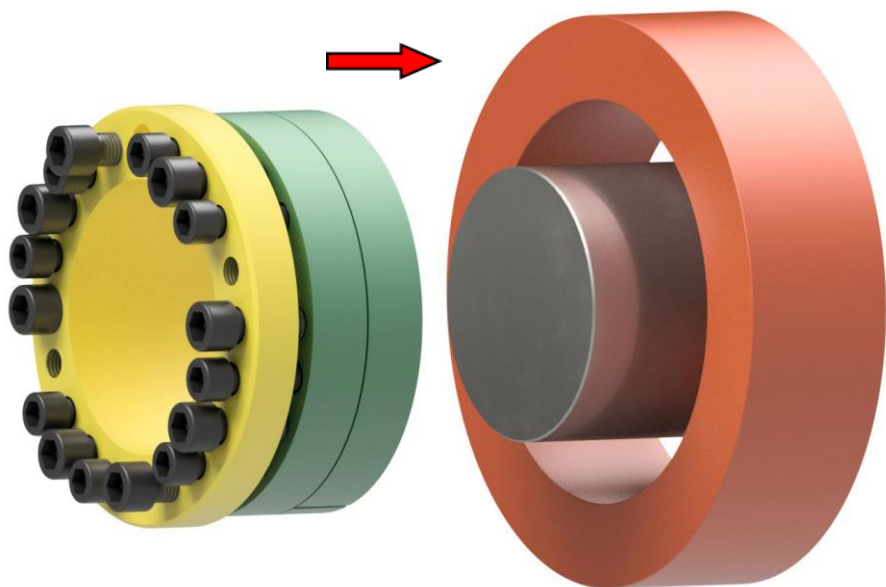
Make sure that the rings fit loosely on top of each other (self-locking cone).



### 2.

Oil the shaft and hub and push the locking assembly into the installation space.

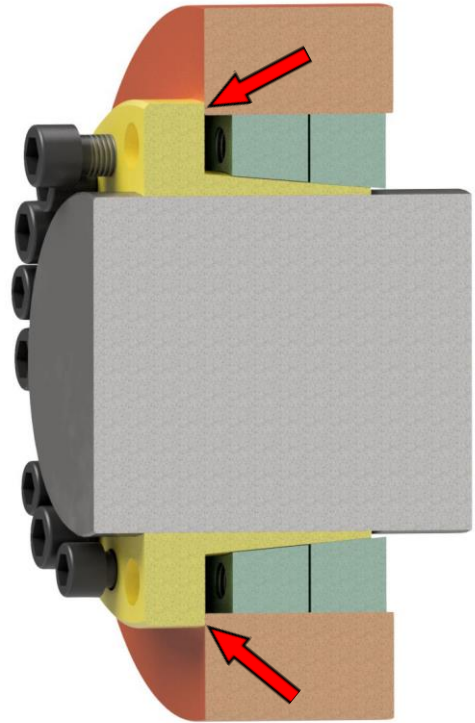
**Do not use molybdenum disulfide (MoS<sub>2</sub>), assembly paste or grease!**



## Installation

### 3.

The locking assembly must sit flush with the hub.



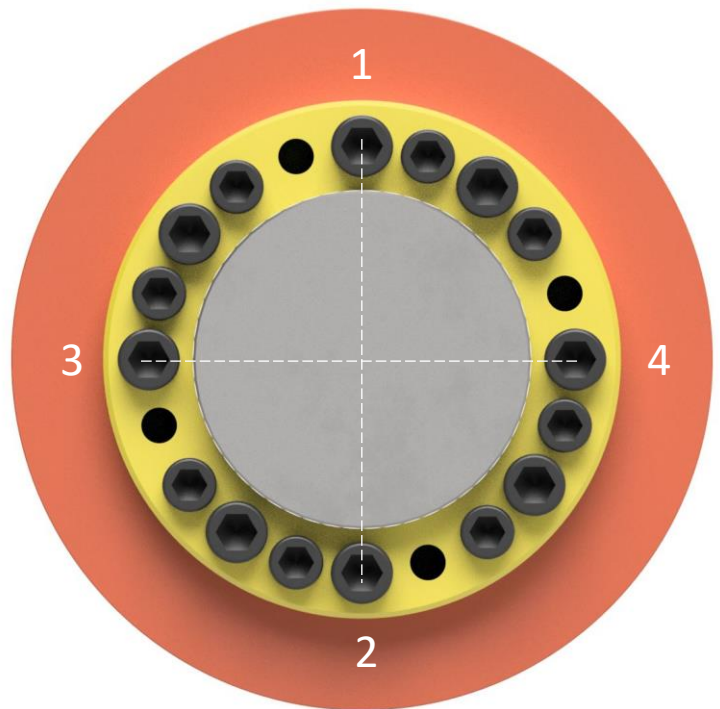
### 4.

Tighten the screws evenly crosswise and in several stages, starting with the smaller screws, using a torque wrench

Repeat the same procedure for the bigger screws.

#### control !

The tightening of the screws and the assembly is complete when no more screws can be tightened with the 100% tightening torque.



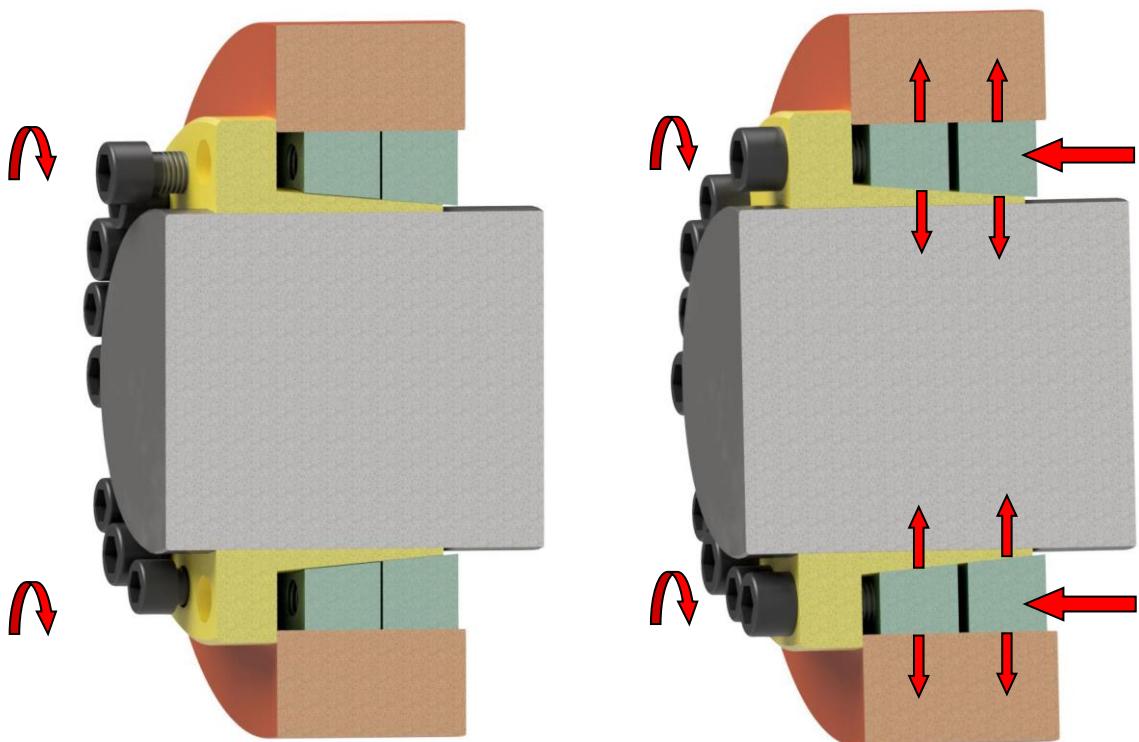


## Installation

### 5.

By tightening the screws, the outer rings slides and tightens the connection. The cone is self-locking and will not loosen by itself if the screws are loosened if it is operated properly.

The hub does not move in the axial direction during assembly.

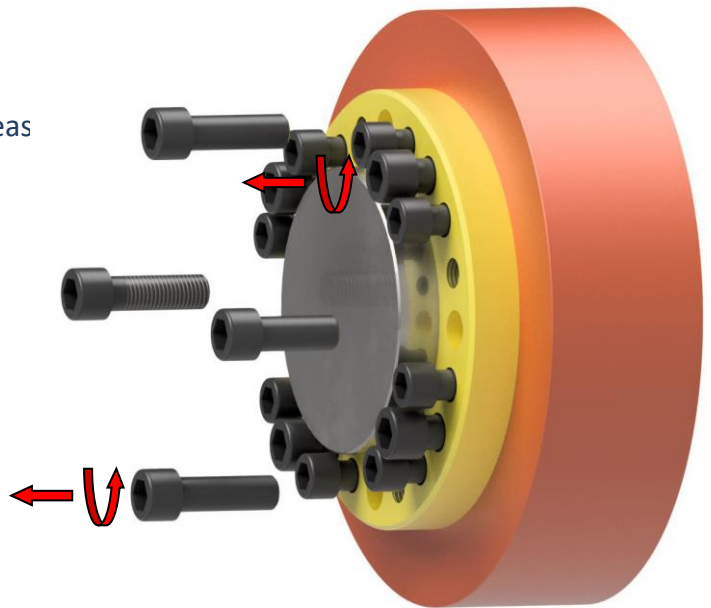


The locking assembly is maintenance-free and the screws do not have to be tightened after a certain period of operation.

## Removal

### 1.

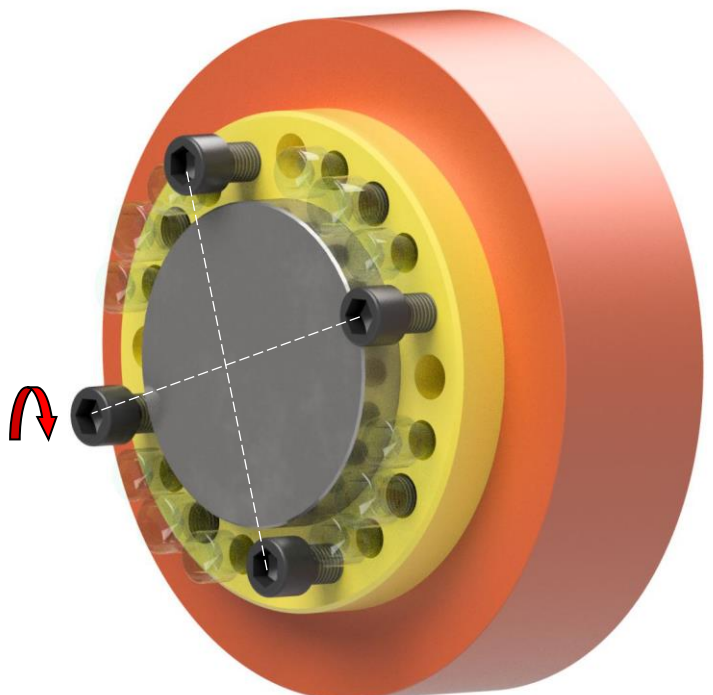
Loosen all screws a few threads.  
Unscrew as many screws as there are release threads.



### 2.

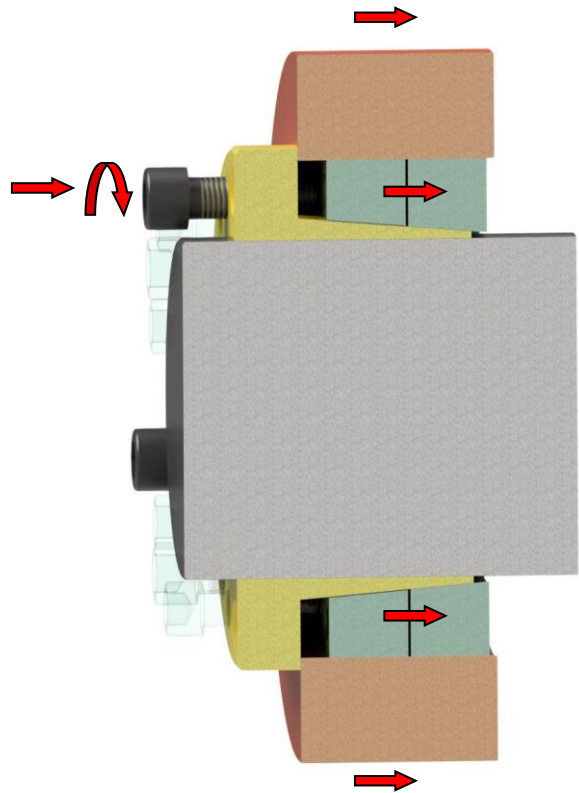
Oil the screws and screw them into the release threads and tighten them crosswise with a torque wrench until the outer ring slides off the inner ring.

(Grind the release screws flat on the face side before screwing them in)

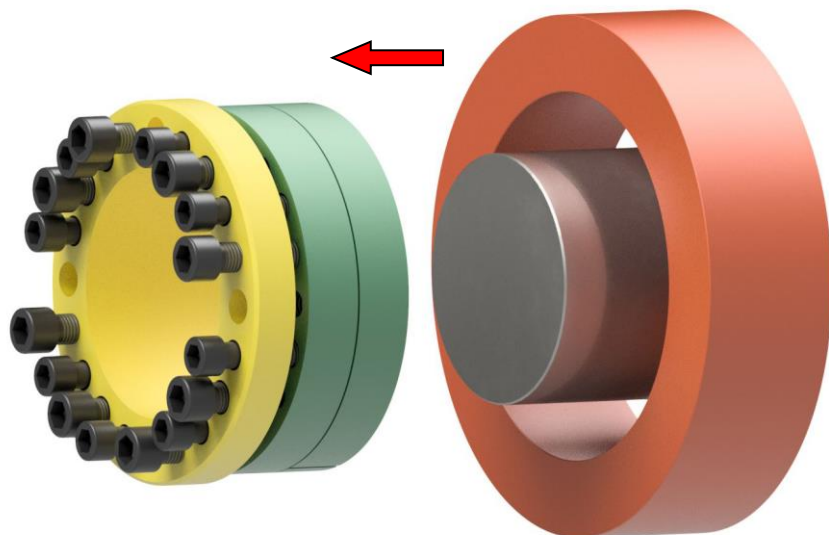


## Removal

3.  
The outer rings slides off the inner ring together with the hub.



4.  
Remove the locking assembly from the space.

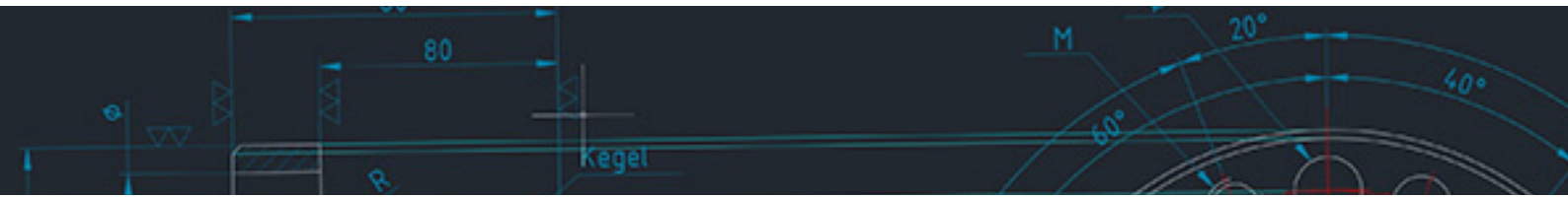


## Reusability

Undamaged locking assemblies can be reused.

**The screws must be changed after each use!**





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