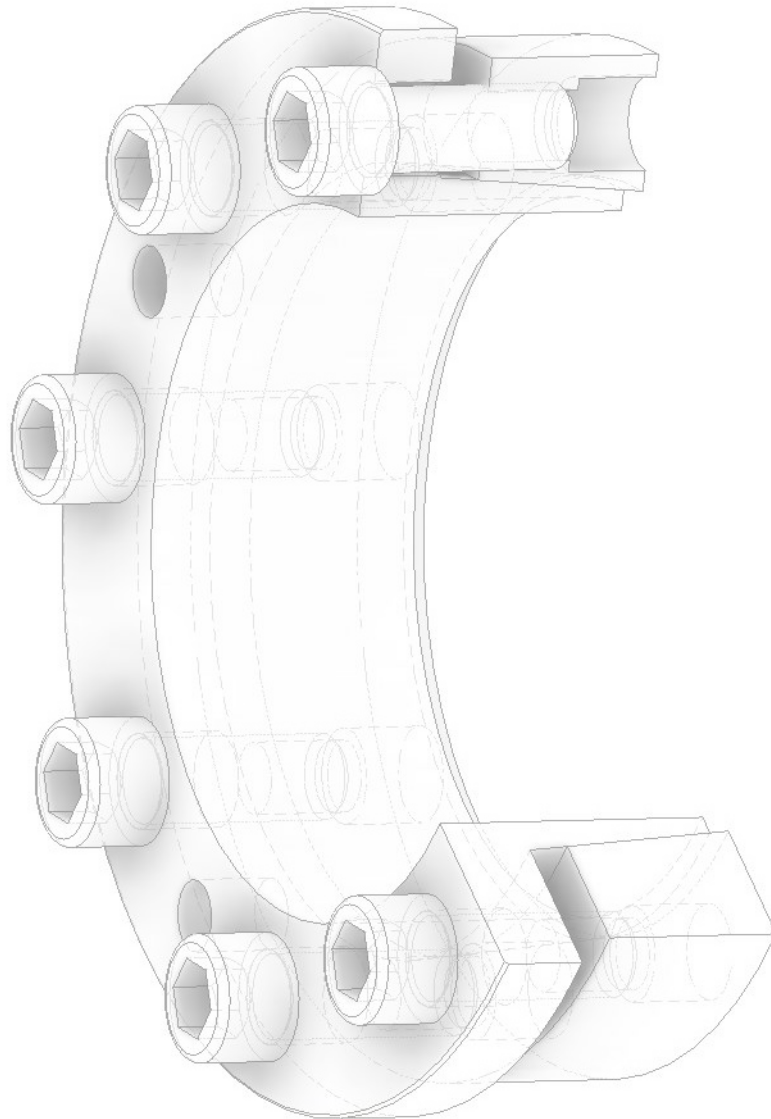


**BIKON 1006.r**  
stainless  
Installation Manual



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

A development of BIKON-Technik GmbH - introduction on global market in year 1973

## Index:

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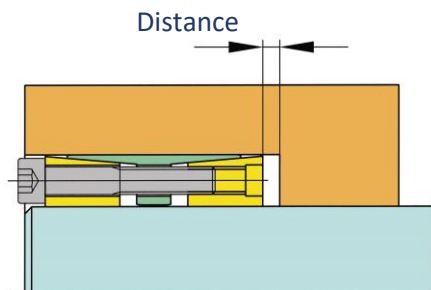
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March 2023

Schematic scetch



## Space - generally

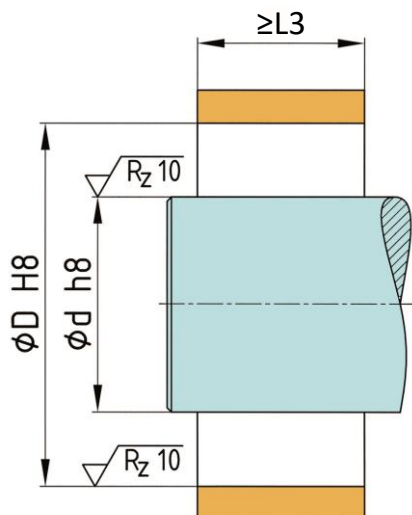
By use of stepped bores the locking assembly should never be pushed to block against the hub. There must be let distance about 2 – 5 mm to the hub to be able to remove the rings from each other. This applies to all BIKON locking assemblies.

## 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 1006.r



d	D	L3
mm	mm	mm
19	47	22
20	47	22
22	47	22
24	50	22
25	50	22
28	55	22
30	55	22
32	60	22
35	60	22
38	65	22
40	65	22
42	75	25

d	D	L3
mm	mm	mm
45	75	25
48	80	25
50	80	25
55	85	25
60	90	25
63	95	25
65	95	25
70	110	30
75	115	30
80	120	30
85	125	30
90	130	30

d	D	L3
mm	mm	mm
95	135	30
100	145	32
110	155	32
120	165	32
130	180	39
140	190	39
150	200	39
160	210	39
170	225	50
180	235	50
190	250	50
200	260	50

## TA – Tightening torque os screws

d	M	TA
mm	-	Nm
19	M6	7,3
20	M6	7,3
22	M6	7,3
24	M6	7,3
25	M6	7,3
28	M6	7,3
30	M6	7,3
32	M6	7,3
35	M6	7,3
38	M6	7,3
40	M6	7,3
42	M8	17,5

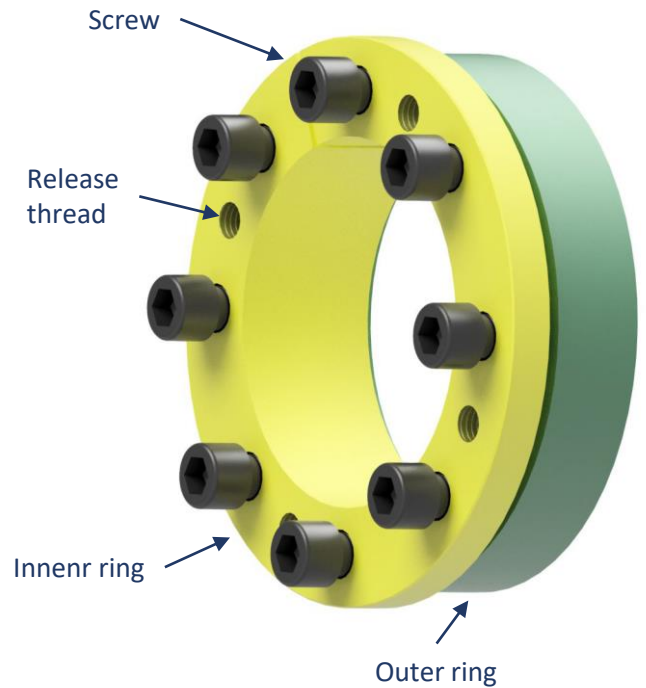
d	M	TA
mm	-	Nm
45	M8	17,5
48	M8	17,5
50	M8	17,5
55	M8	17,5
60	M8	17,5
63	M8	17,5
65	M8	17,5
70	M10	35,2
75	M10	35,2
80	M10	35,2
85	M10	35,2
90	M10	35,2

d	M	TA
mm	-	Nm
95	M10	35,2
100	M12	60,3
110	M12	60,3
120	M12	60,3
130	M12	60,3
140	M14	95,8
150	M14	95,8
160	M14	95,8
170	M14	95,8
180	M14	95,8
190	M14	95,8
200	M14	95,8

## Installation

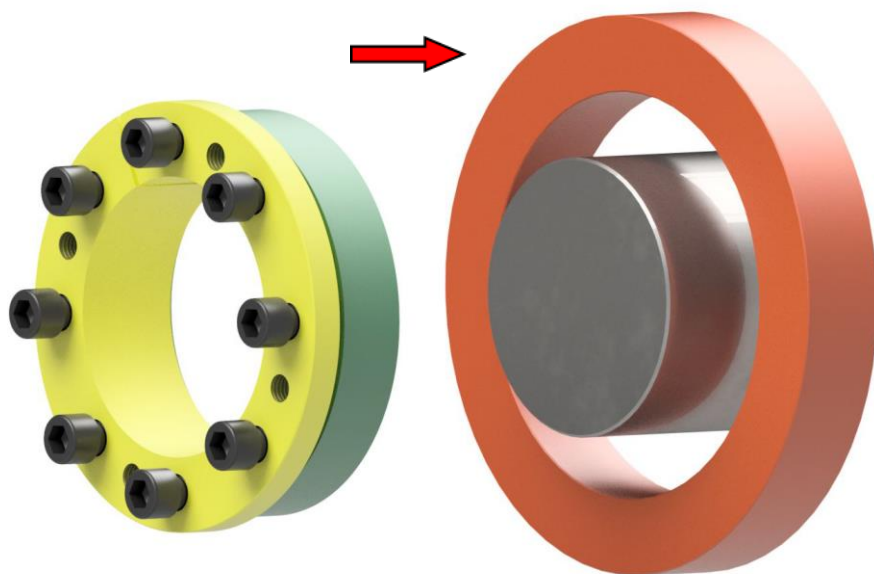
1. BIKON locking assemblies are delivered ready for installation and oiled. The screws have been unscrewed a few threads.

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.

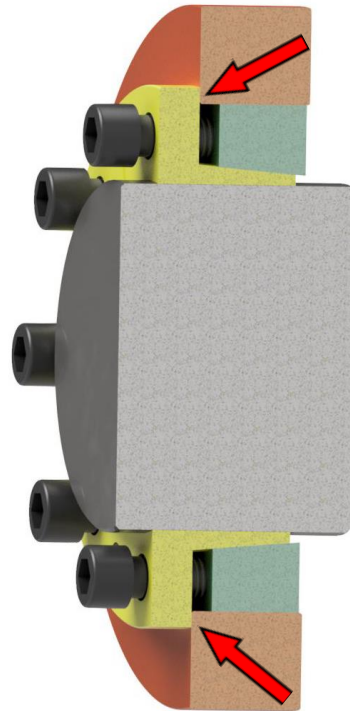
**Do not use molybdenum disulfide (MoS<sub>2</sub>), assembly paste or grease!**



## Installation

### 3.

The locking assembly must sit flush with the hub.

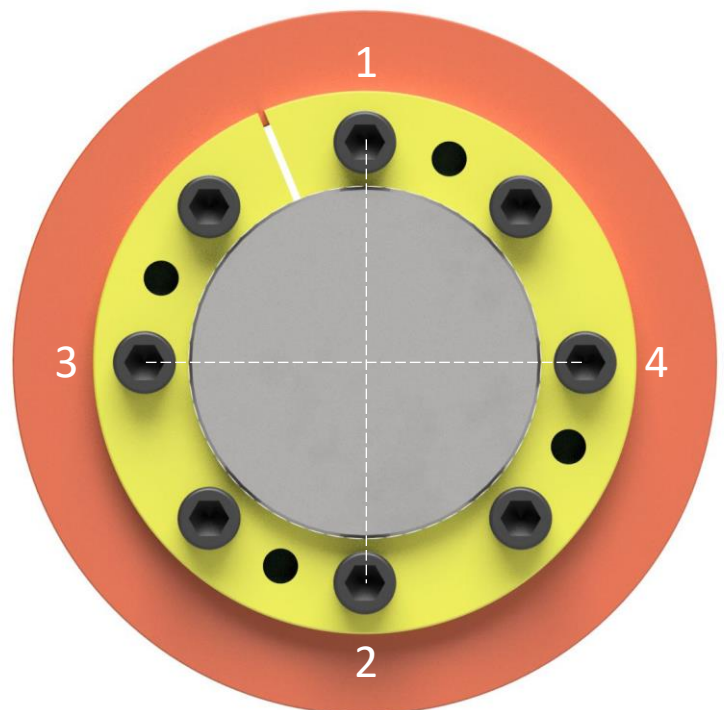


### 4.

Tighten the screws evenly crosswise and in several stages using a torque wrench.

#### control !

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

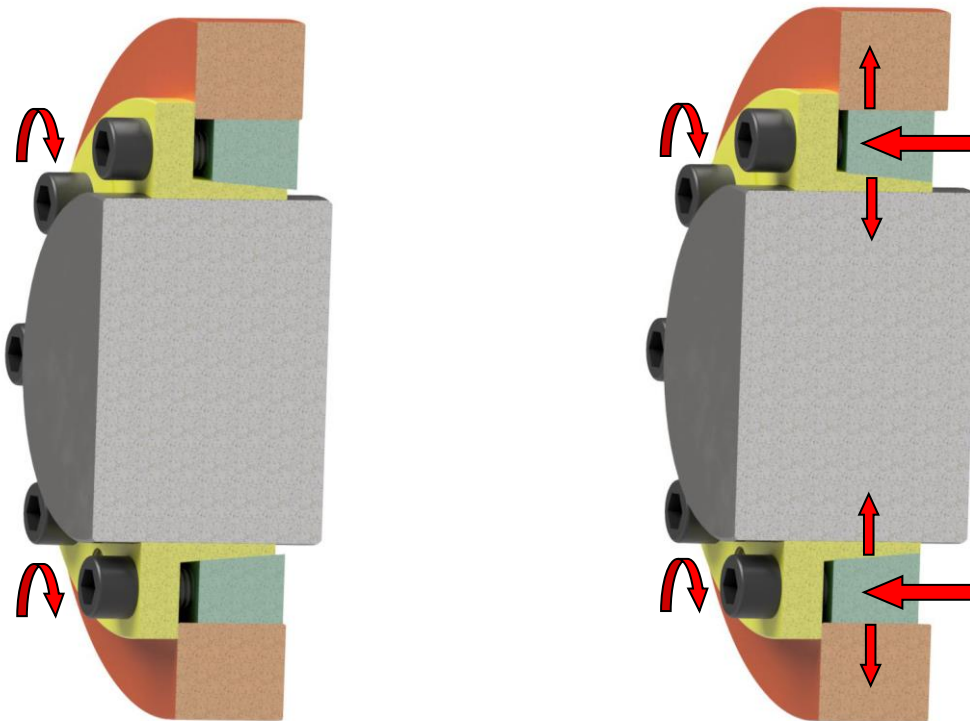


## Installation

### 5.

By tightening the screws, the outer ring 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.



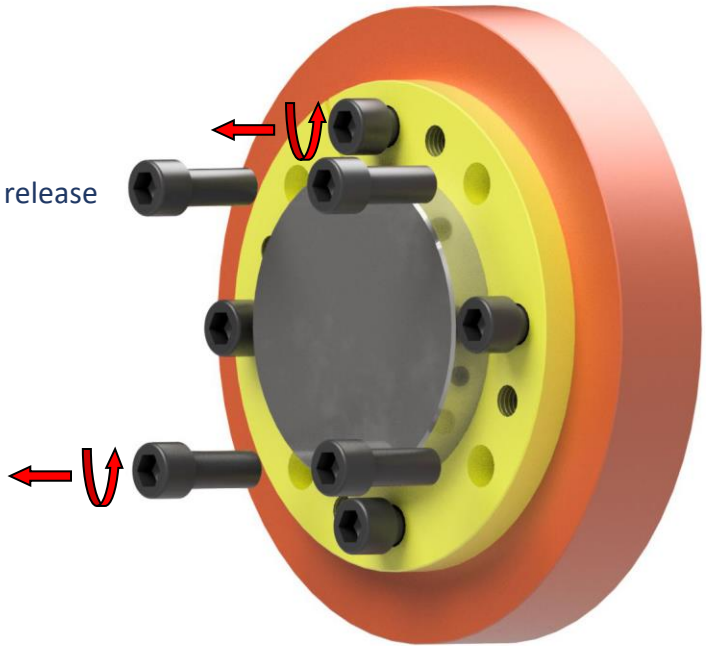
The locking assembly is maintenance-free and the screws do not have to be tightened after a certain period of operation.



## Removal

### 1.

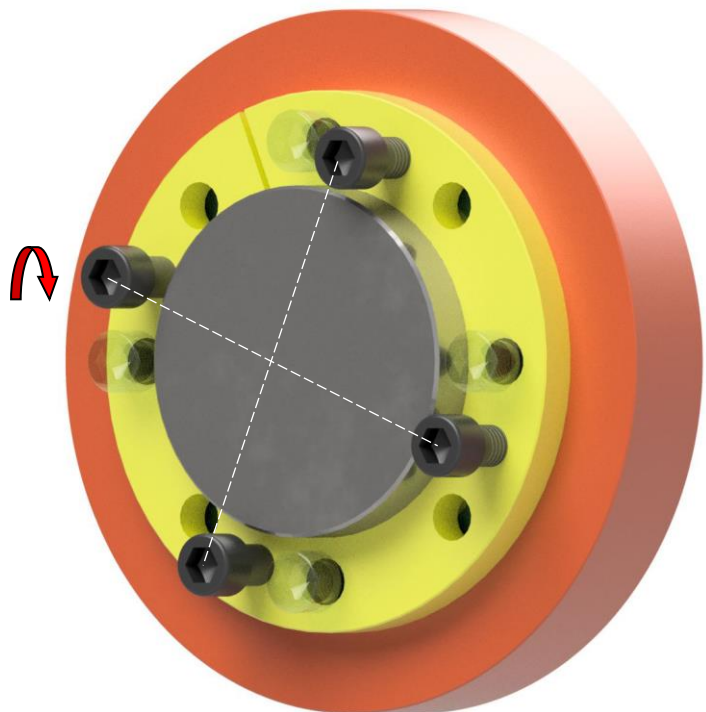
Loosen all screws a few threads.  
Unscrew as many screws as there are release threads.



### 2.

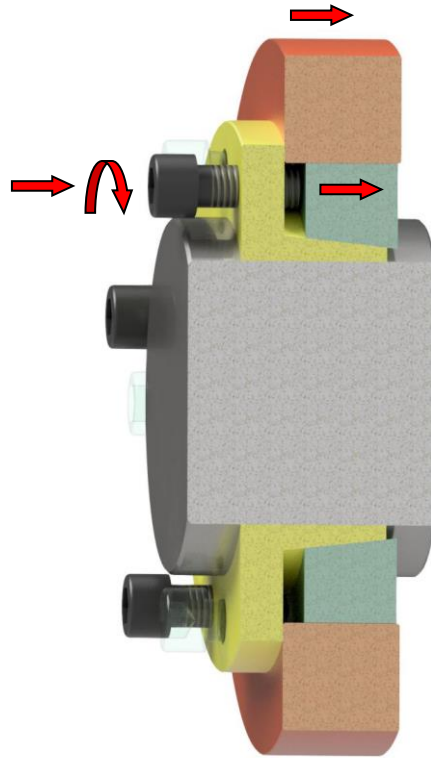
Oil the screws and screw them into the release threads and tighten them crosswise with a torque wrench until the outer ring slides off the inner ring.

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

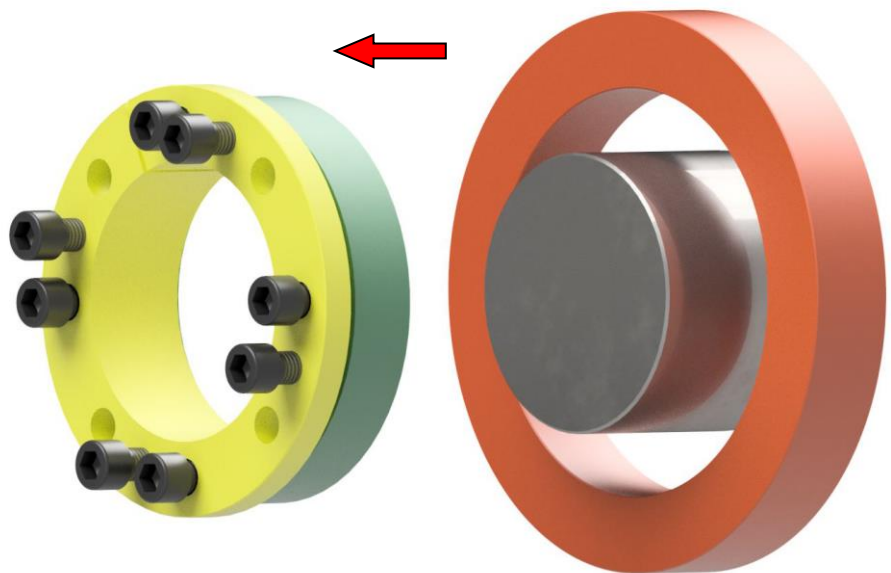


## Removal

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



4.  
Remove the locking assembly from the space.

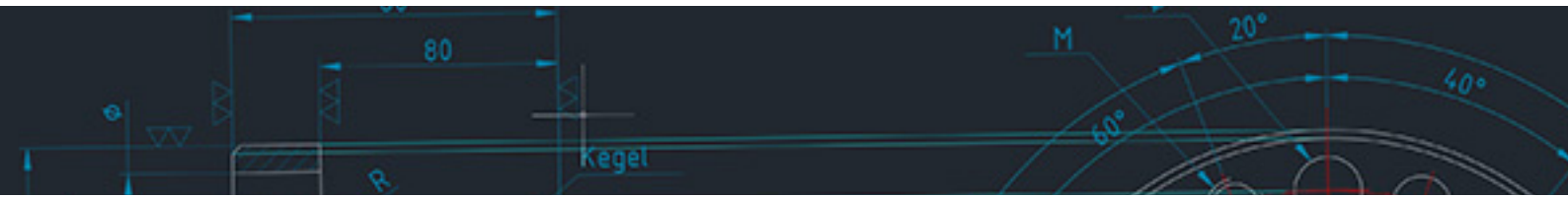


## Reusability

Undamaged locking assemblies can be reused.

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





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