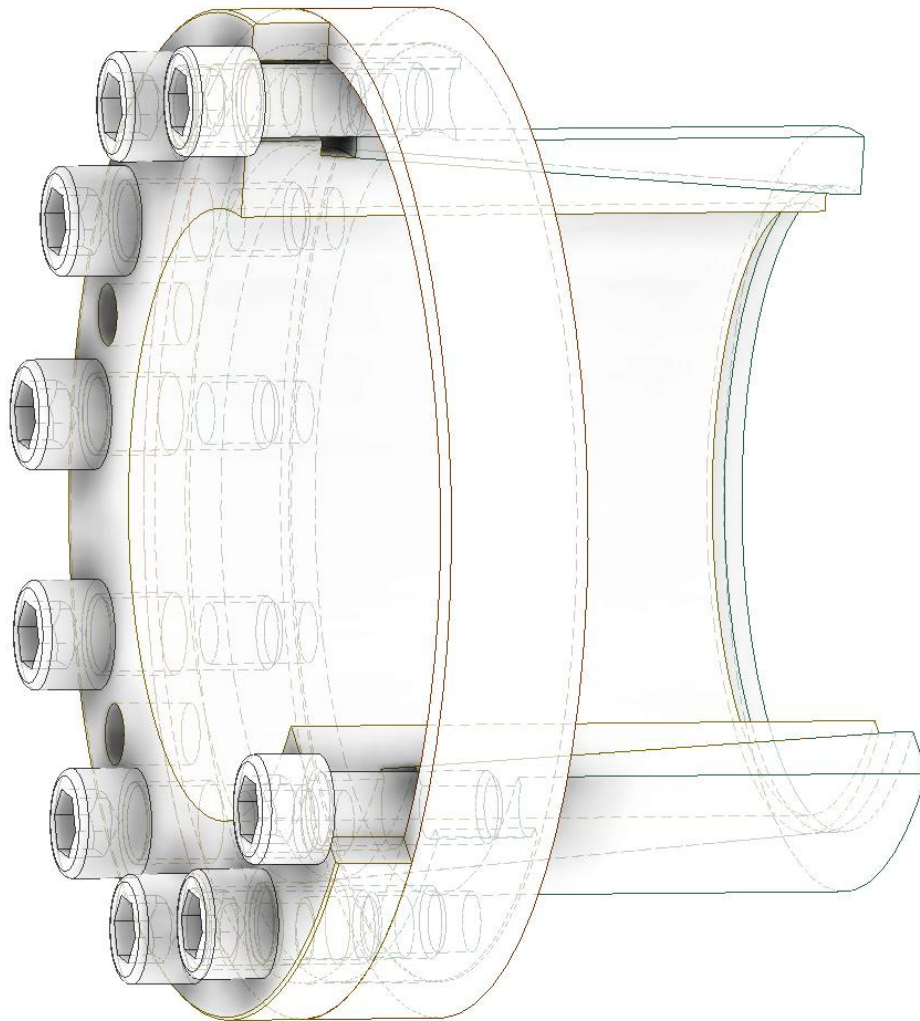


**BIKON 8000**  
Installation Manual



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

## Index:

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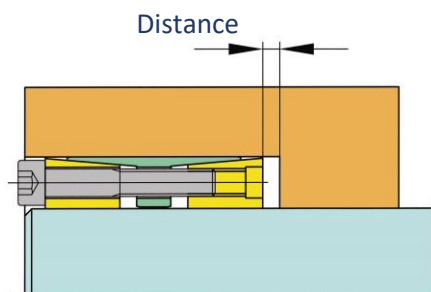
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April 2023

Schematic scetch



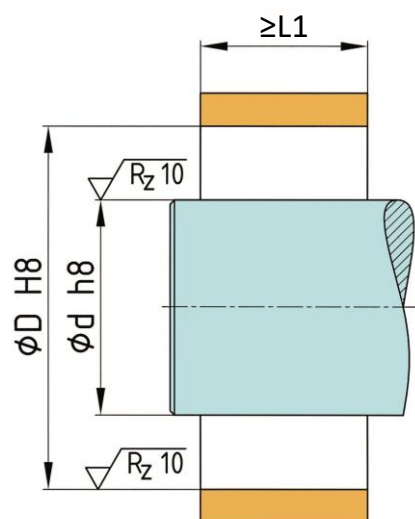
## Space - generally

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 8000

d	D	L1	d	D	L1	d	D	L1
mm	mm	mm	mm	mm	mm	mm	mm	mm
6	14	10	22	32	25	55	71	55
8	15	12	24	34	25	60	77	55
9	16	14	25	34	25	65	84	55
10	16	14	28	39	25	70	90	65
11	18	14	30	41	25	75	95	65
12	18	14	32	43	25	80	100	65
14	23	14	35	47	32	85	106	65
15	24	16	38	50	32	90	112	65
16	24	16	40	53	32	100	125	70
17	25	16	42	55	32	110	140	70
18	26	18	45	59	45	120	155	90
19	27	18	48	62	45	130	165	90
20	28	18	50	65	45			

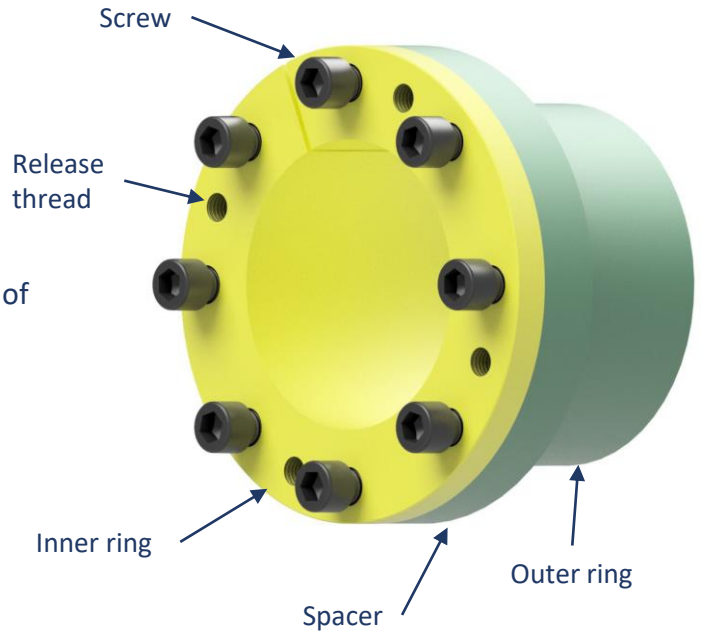
## TA – Tightening torque of screws

d	M	TA	d	M	TA	d	M	TA
mm	-	Nm	mm	-	Nm	mm	-	Nm
6	M3	2,3	22	M6	17	55	M8	41
8	M4	4,9	24	M6	17	60	M8	41
9	M4	4,9	25	M6	17	65	M8	41
10	M4	4,9	28	M6	17	70	M10	83
11	M4	4,9	30	M6	17	75	M10	83
12	M4	4,9	32	M6	17	80	M10	83
14	M4	4,9	35	M6	17	85	M10	83
15	M6	17	38	M6	17	90	M10	83
16	M6	17	40	M6	17	100	M12	145
17	M6	17	42	M6	17	110	M12	145
18	M6	17	45	M8	41	120	M12	145
19	M6	17	48	M8	41	130	M12	145
20	M6	17	50	M8	41			

## Installation

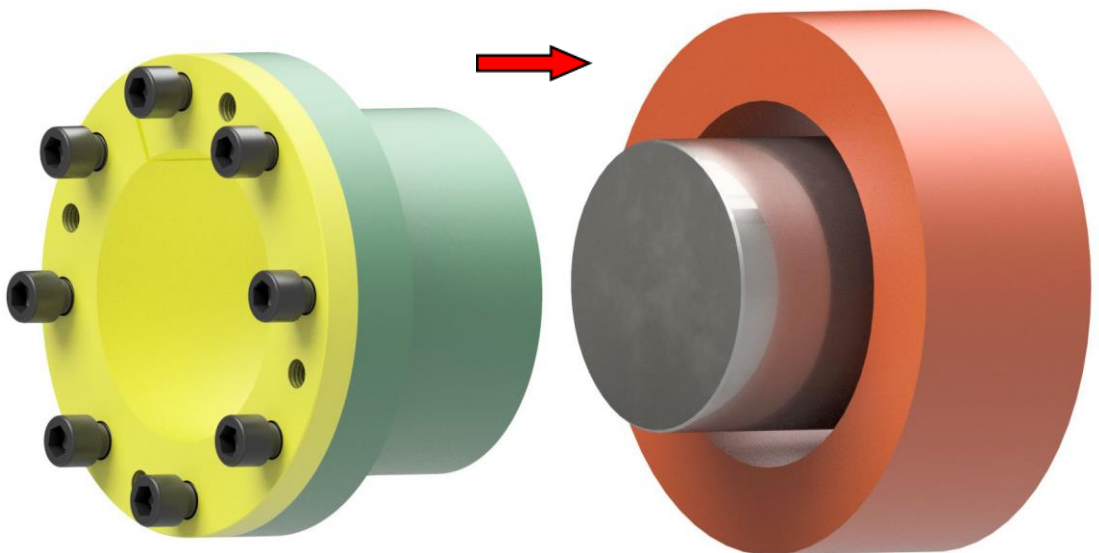
1. BIKON locking assemblies are delivered ready for installation and oiled. The screws have been unscrewed a few threads.

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.

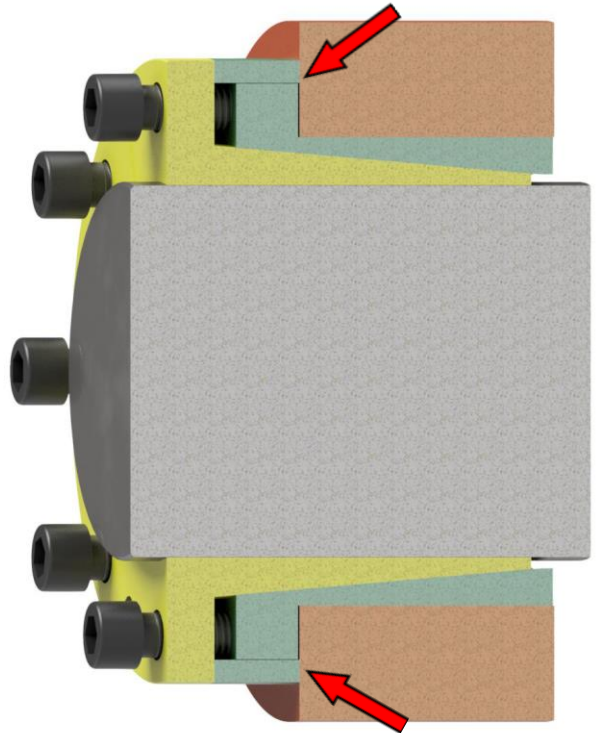
**Do not use molybdenum disulfide (MoS<sub>2</sub>), assembly paste or grease!**



## Installation

3.

The locking assembly must sit flush with the hub.

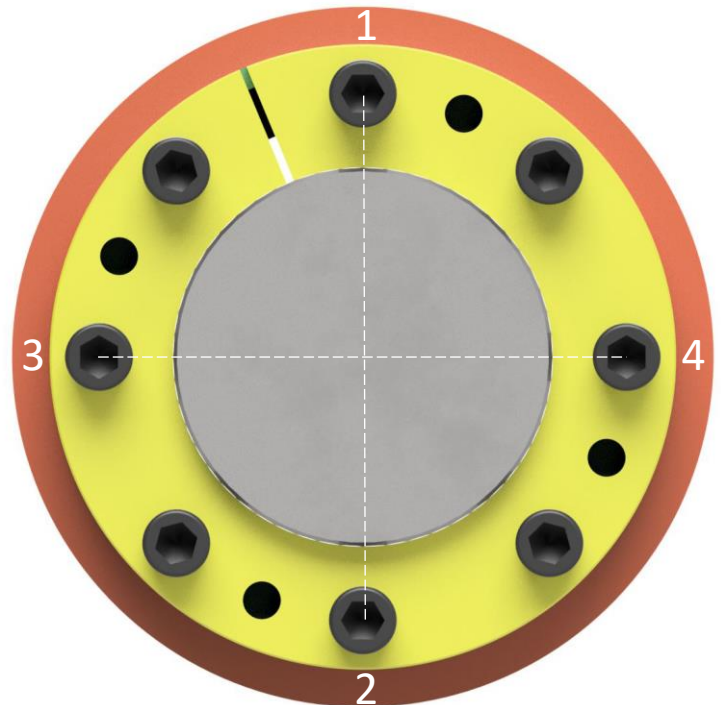


4.

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.

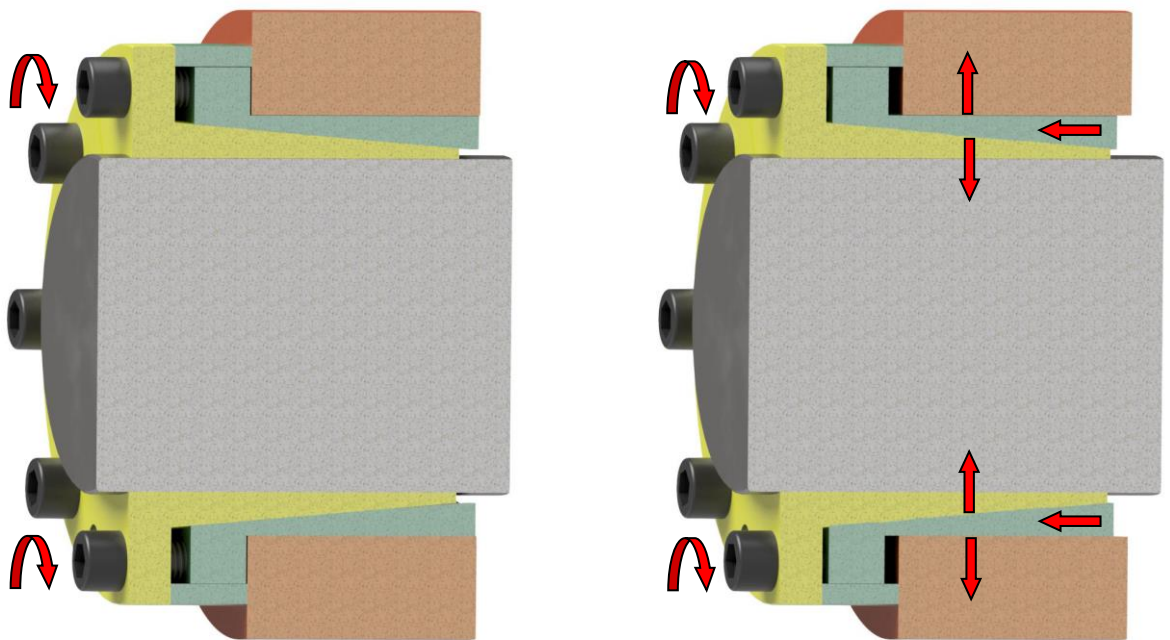


## Installation

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.



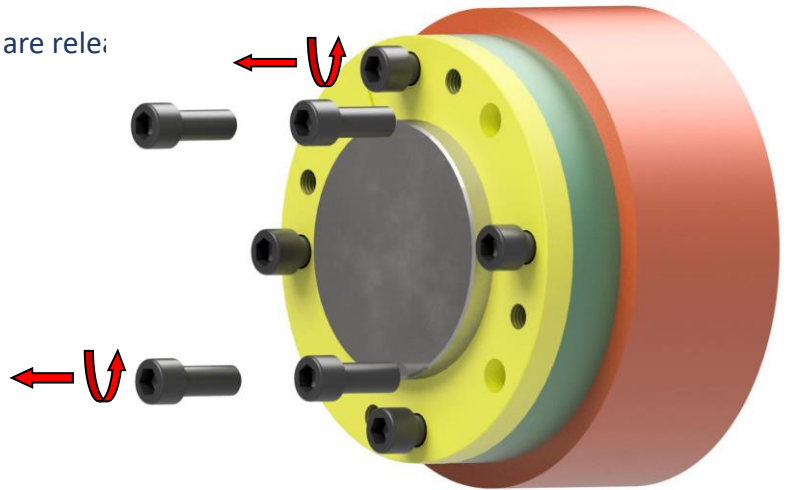
The locking assembly is maintenance-free and the screws do not have to be tightened after a certain period of operation.



## Removal

### 1.

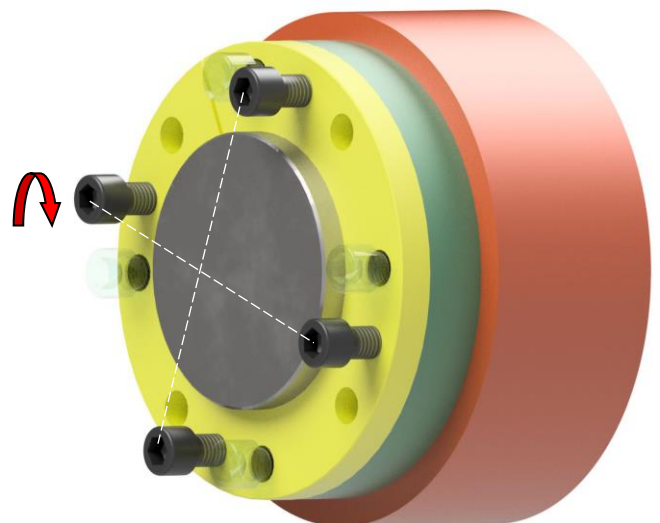
Loosen all screws a few threads.  
Unscrew as many screws as there are release threads.



### 2.

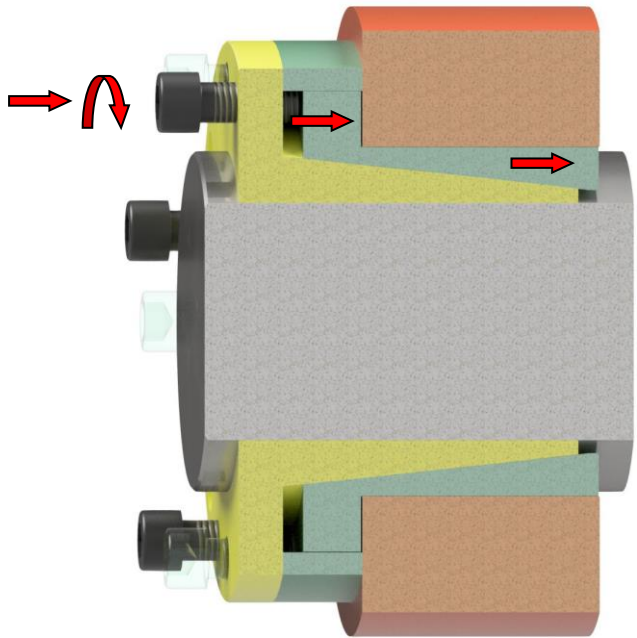
Oil the screws and screw them into the release threads and tighten them crosswise with a torque wrench until the outer ring slides off the inner ring.

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

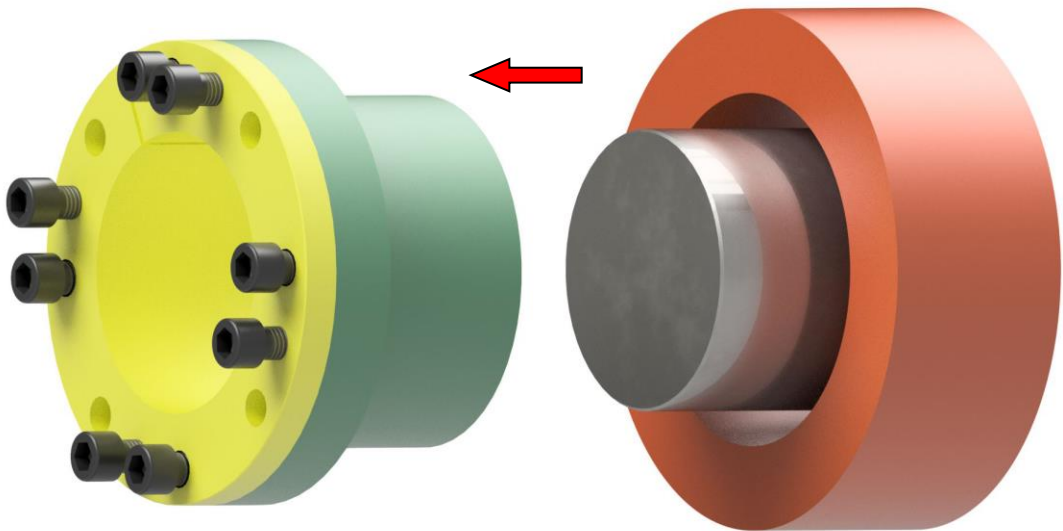


## Removal

3.  
The outer ring slides off the inner ring.



4.  
Remove the locking assembly from the space.

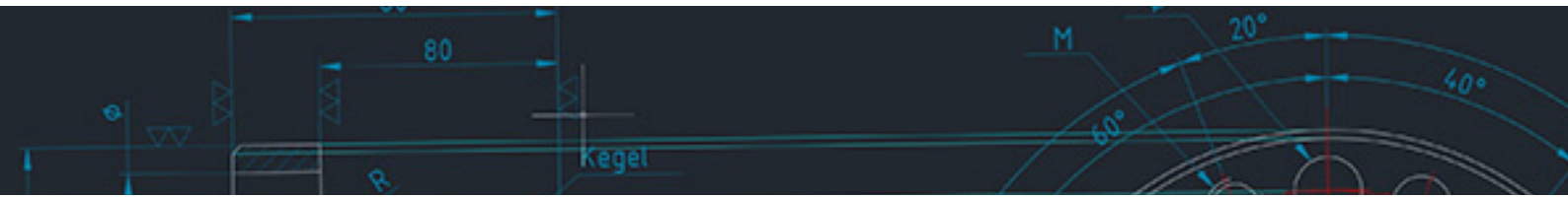


### Reusability

Undamaged locking assemblies can be reused.

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





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