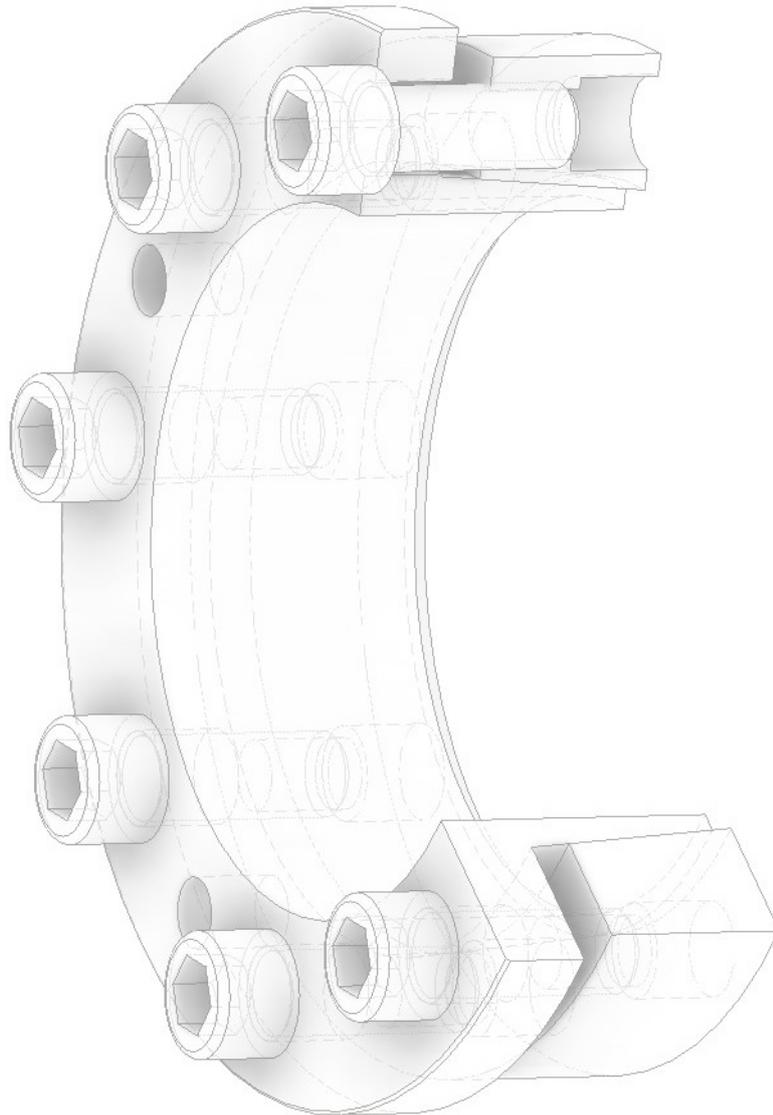


**BIKON 1006**  
*Installation Manual*



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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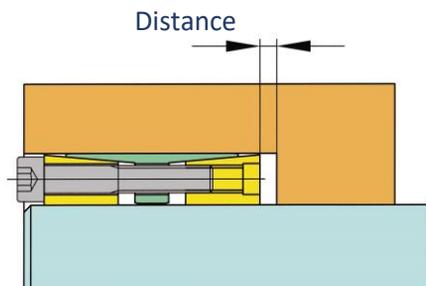
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March 2023

# BIKON 1006

Schematic sketch



## Space - generally

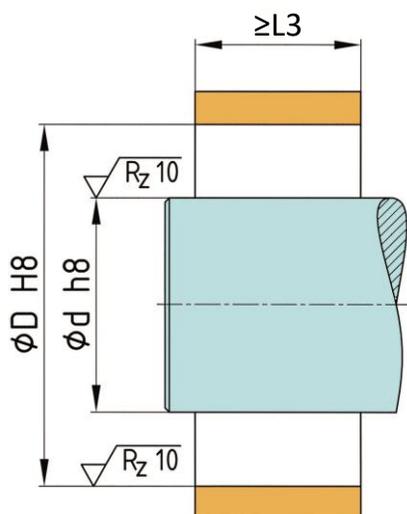
By use of stepped bores the locking assembly should never be pushed to block against the hub. There must be let distance about 2 – 5 mm to the hub to be able to remove the rings from each other. This applies to all BIKON locking assemblies.

## 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



d	D	L3	d	D	L3	d	D	L3
mm	mm	mm	mm	mm	mm	mm	mm	mm
19	47	22	63	95	25	190	250	50
20	47	22	65	95	25	200	260	50
22	47	22	70	110	30	220	285	56
24	50	22	75	115	30	240	305	56
25	50	22	80	120	30	260	325	56
28	55	22	85	125	30	280	355	68
30	55	22	90	130	30	300	375	68
32	60	22	95	135	30	320	405	83
35	60	22	100	145	32	340	425	83
38	65	22	110	155	32	360	455	95
40	65	22	120	165	32	380	475	95
42	75	25	130	180	39	400	495	95
45	75	25	140	190	39	420	515	95
48	80	25	150	200	39	440	535	95
50	80	25	160	210	39	460	555	95
55	85	25	170	225	50	480	575	95
60	90	25	180	235	50	500	595	95

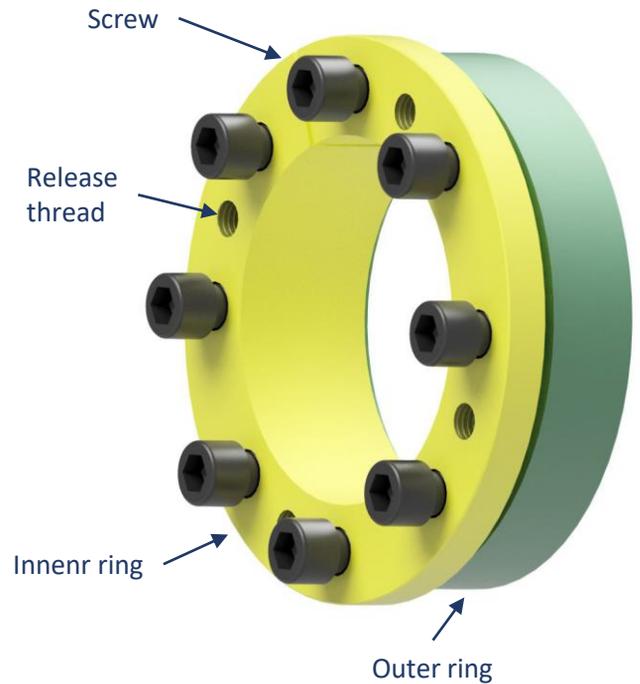
## TA – Tightening torque of screws

d	M	TA	d	M	TA	d	M	TA	d	M	TA
mm	-	Nm	mm	-	Nm	mm	-	Nm	mm	-	Nm
19	M6	17	48	M8	41	110	M12	145	280	M18	485
20	M6	17	50	M8	41	120	M12	145	300	M18	485
22	M6	17	55	M8	41	130	M12	145	320	M20	690
24	M6	17	60	M8	41	140	M14	230	340	M20	690
25	M6	17	63	M8	41	150	M14	230	360	M22	930
28	M6	17	65	M8	41	160	M14	230	380	M22	930
30	M6	17	70	M10	83	170	M14	230	400	M22	930
32	M6	17	75	M10	83	180	M14	230	420	M22	930
35	M6	17	80	M10	83	190	M14	230	440	M22	930
38	M6	17	85	M10	83	200	M14	230	460	M22	930
40	M6	17	90	M10	83	220	M16	355	480	M22	930
42	M8	41	95	M10	83	240	M16	355	500	M22	930
45	M8	41	100	M12	145	260	M16	355			

## Installation

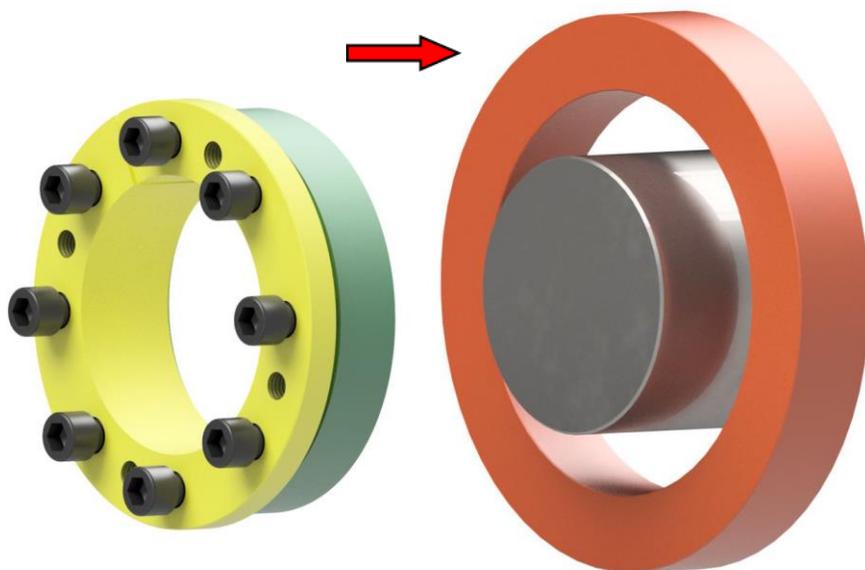
1. BIKON locking assemblies are delivered ready for installation and oiled. The screws have been unscrewed a few threads.

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.

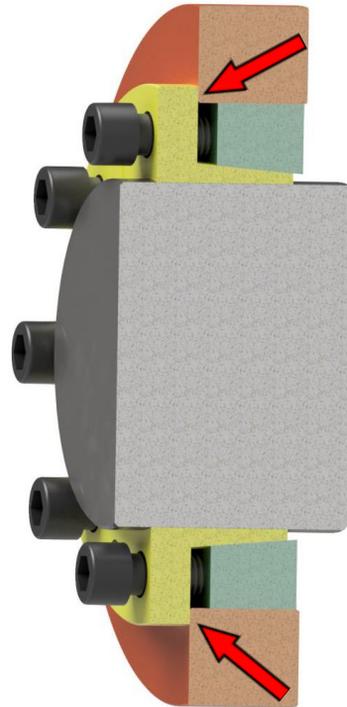
**Do not use molybdenum disulfide (MoS<sub>2</sub>), assembly paste or grease!**



## Installation

### 3.

The locking assembly must sit flush with the hub.

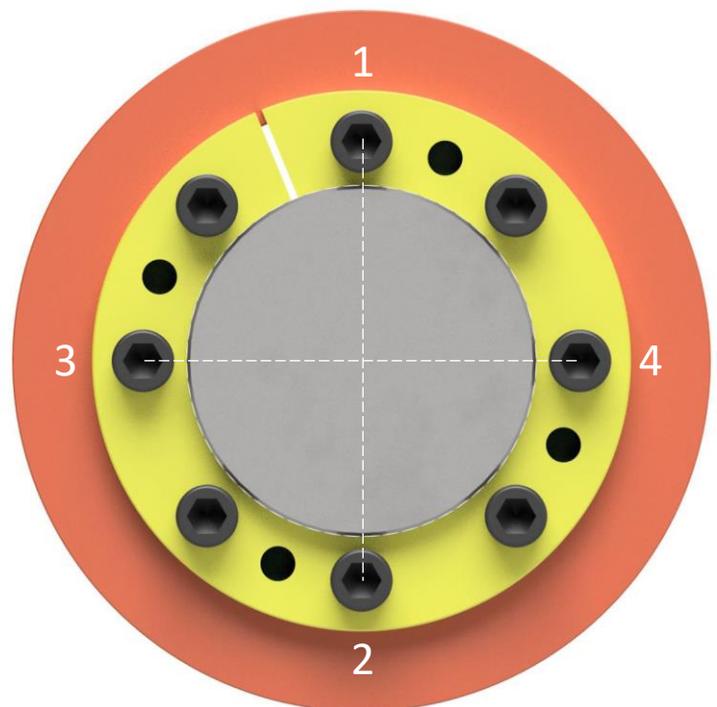


### 4.

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.

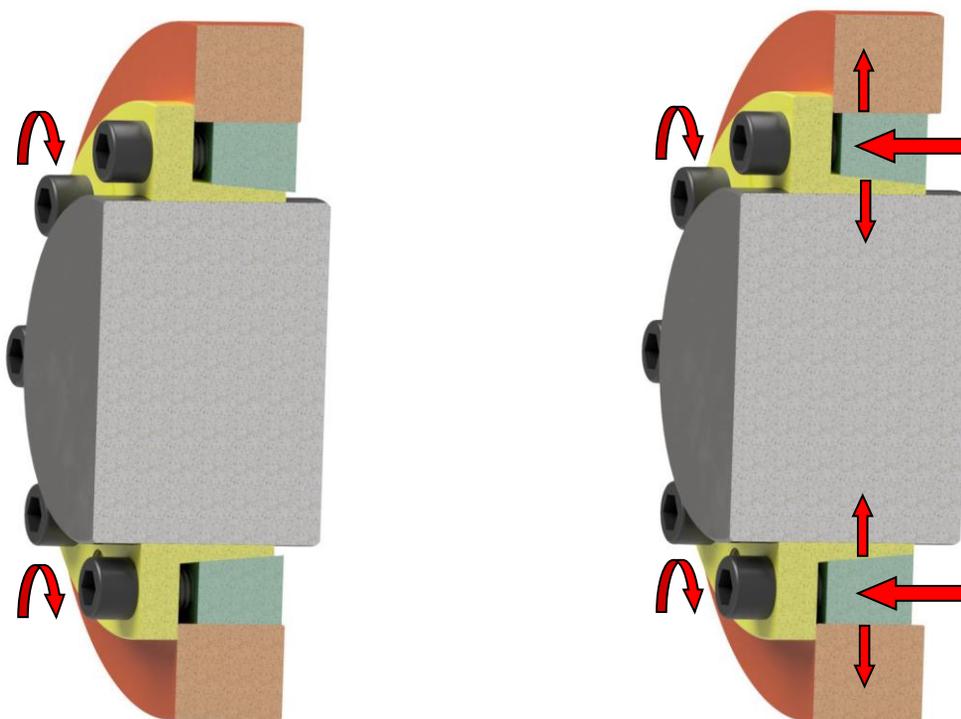


## Installation

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.

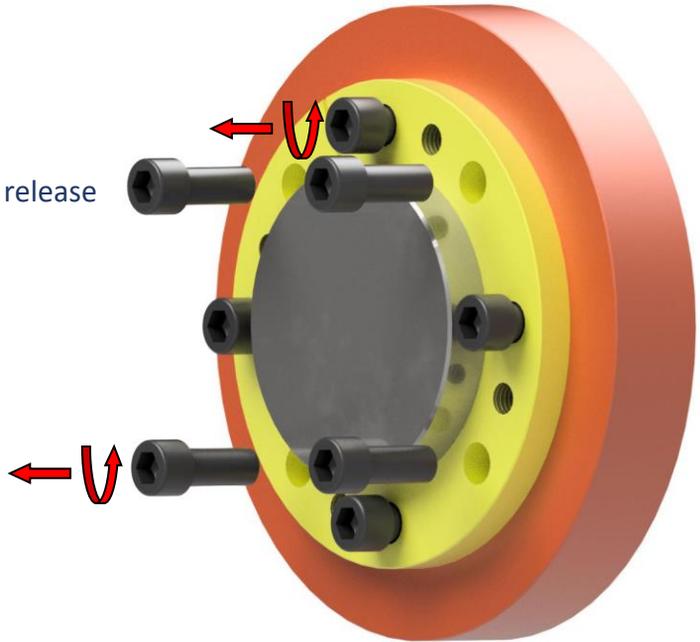


The locking assembly is maintenance-free and the screws do not have to be tightened after a certain period of operation.

## Removal

### 1.

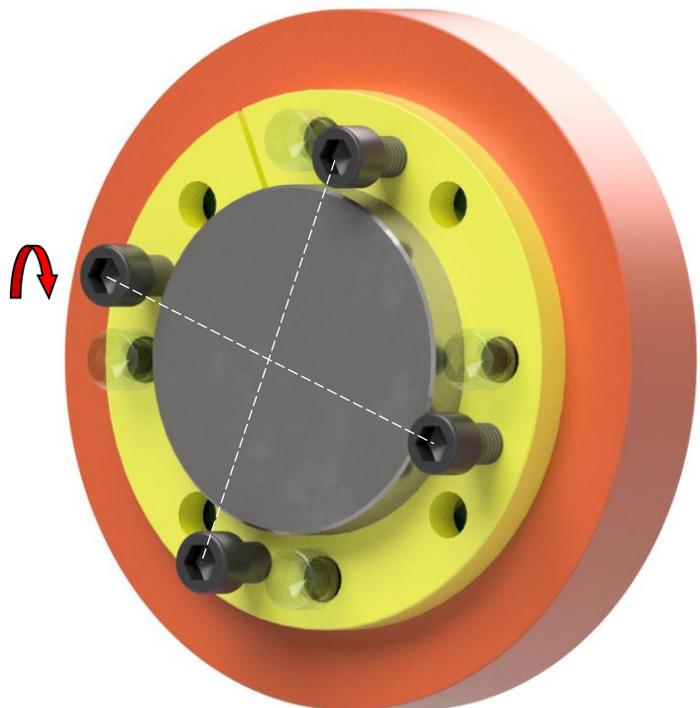
Loosen all screws a few threads.  
Unscrew as many screws as there are release threads.



### 2.

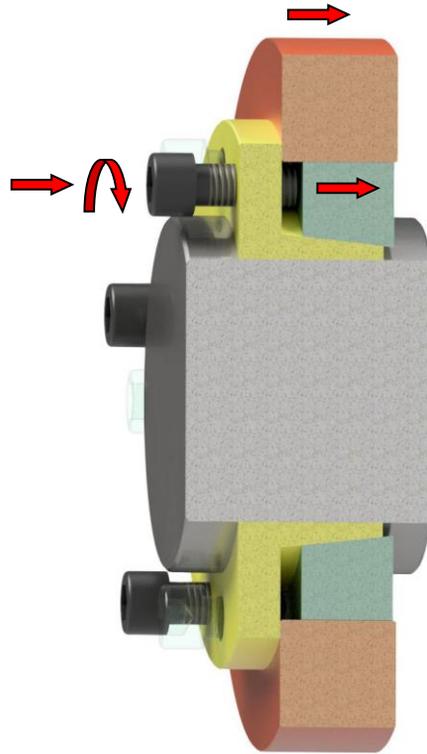
Oil the screws and screw them into the release threads and tighten them crosswise with a torque wrench until the outer ring slides off the inner ring.

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

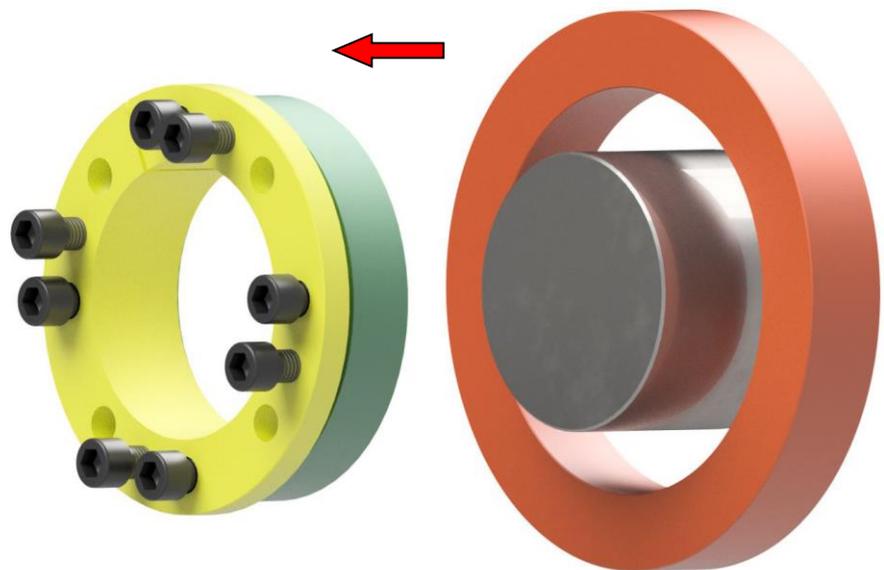


## Removal

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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