

# MOUNTING INSTRUCTIONS WOUND BEARING

## BUT WOUND ROLLER BEARINGS

are technological bearings featuring a special design to permit to absorb and neutralize thermal expansion caused by extremely high operating temperatures (over 200°C) and to secure accurate seating on the shaft. In this way, they also don't seize up. Moreover their design can ease the mounting since they do not require a specific positioning along the shaft and /or inside the housing.

Although before being mounted the spiral inner ring diameter is smaller than the mating shaft diameter and the spiral outer ring diameter is larger than the housing hole diameter, on the other hand once properly installed both the rings have to result in interference fit. By the light of this prescription it is recommended a final check at the end of the mounting to be sure to get a proper interference fit on both bearing rings.

## Assembly tools



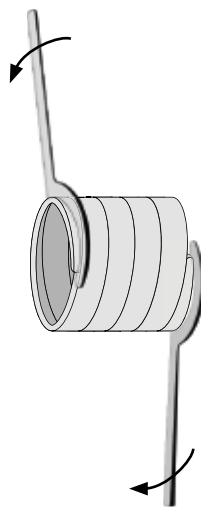
## MOUNTING PROCEDURE OF THE SPIRAL INNER RING

To ease the inner ring mounting it is suggested the use of two hook spanner wrenches. Start placing the two wrenches at the corresponding opposite ends of the spiral inner ring, then turn them in opposite directions: this will increase the ring diameter. Afterwards, while keeping larger the inner ring diameter proceed inserting it on the shaft till the spiral results completely on the shaft, then release the wrenches. The spiral inner ring can now be axially positioned along the shaft by means of tapping it with a copper hammer and an aluminium chisel.

**Note:** Do not axially screw the spiral inner ring by means of locknut or similar tools!

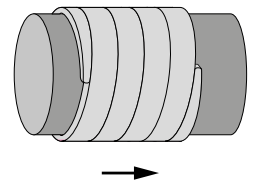
1

Place the two hook spanners at the corresponding opposite ends of the spiral inner ring, then turn the two spanners in opposite directions: this will increase the ring diameter.



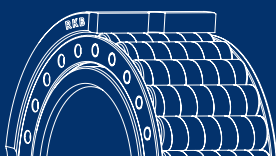
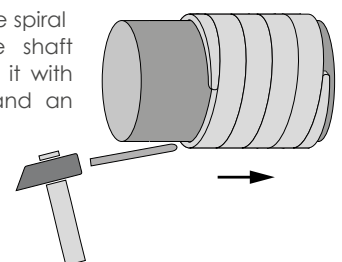
2

While keeping larger the inner ring diameter proceed inserting it on the shaft till the spiral results completely on the shaft, then release the wrenches.



3

Finally axially move the spiral inner ring along the shaft by means of tapping it with a copper hammer and an aluminium chisel.



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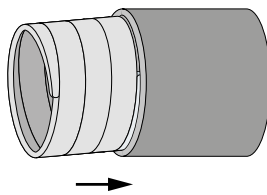
## MOUNTING PROCEDURE OF THE SPIRAL OUTER RING

The outer ring can be mounted by mean of a lever. Chose a lever featuring a nut sized to the thickness of the spiral outer ring. Afterwards, place the start of the outer spiral ring so that it mates the housing bore; then, while pushing the ring against the housing, turn the lever in a clockwise direction in order to insert the bearing ring into the bore. The spiral outer ring can now be axially positioned inside the housing by means of tapping it with a copper hammer and an aluminium chisel.

**Note: Do not axially screw the spiral outer ring by means of locknut or similar tools!**

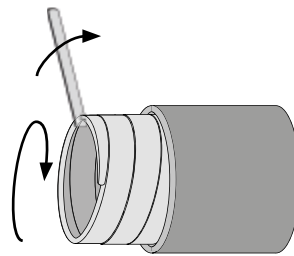
**1**

Place the start of the outer spiral ring so that it mates the housing bore.



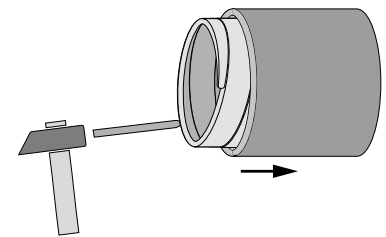
**2**

While pushing the ring against the housing, turn the lever in a clockwise direction in order to insert the bearing ring into the bore.



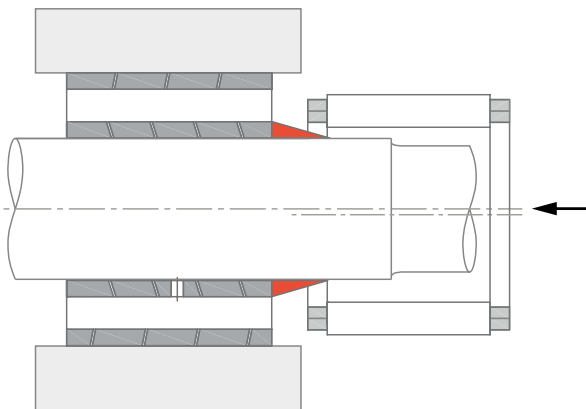
**3**

Finally axially move the spiral outer ring inside the housing by means of tapping it with a copper hammer and an aluminium chisel.

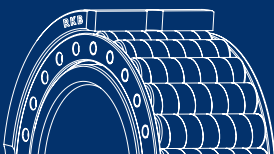
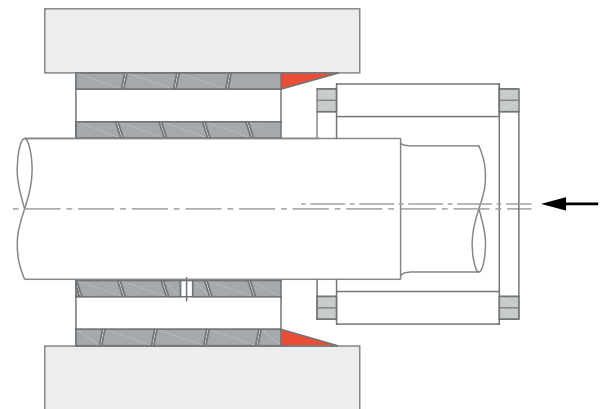


Should you install wound bearings featuring a bore diameter larger than 250 mm, BUT suggests to use proper tapered rings to easy the mounting. In fact these tapered rings facilitate the insertion of the cage with rolling elements onto the spring rings.

### Inside mounting



### Outside mounting



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