

ASSEMBLY AND DISASSEMBLY

TECOM roller bearings are precision products, therefore they need extremely careful treatment, before and during the assembly. Correct operation depends principally on the preceding notes.

WASHING

To degrease and wash the bearings use the following detergents:

- waterbased detergents
- organic detergents

Waterbased detergents can be neutral-acid or alkaline.

Organic detergents are: petroleum, provided that they are anhydrous and acid-free; and gasoline (not for vehicles). When the washing is over, bearings must be immediately dried and treated with suitable lubricant.

ASSEMBLING

Assembling location must be absolutely clean and dust free.

Before assembling it is necessary to check whether the lodging hole or the shaft's diameter where the bearing must be placed.

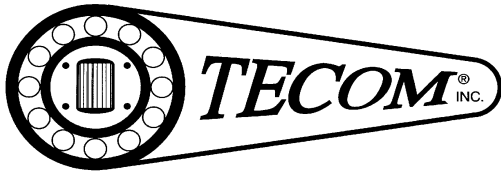
For correct assembly it is useful to have a suitable equipment and a press.

If no presses are available, assembly can proceed by central strokes on the socket's borders.

Warning During the assembly no thrusts or strokes can be transferred to revolving bodies; deformation action on bearing rings must be avoided.

Assembling of the external and internal ring, is aided by grooves or radiuse incorporated in the design, and by a light treatment of the different surfaces with the lubricant.

Assembling of the inside rings on the shaft, in the presence of interferences is obtained by heating with a special induction device. Without this device it is possible to heat the rings in an oil bath or in an oven at a temperature of about 110 degrees C.



For assembling in its lodging cool the bearing first.

It is necessary to test the bearing when assembling is complete.

DISASSEMBLING

In order to be able to disassemble the bearing, during the project time it is necessary to provide bordering holes or a suitable cavity, where the extractor can be applied.

If the bearing is intended to be reused, disassembly must occur with particular care, avoiding strokes or thrusts which can deform rings and rotating bodies.

To assure that the bearing works regularly after disassembling, it must be cleaned and possibly completely disassembled to its component parts.

TECOM Inc.

205 St. George Street, Unit 5, Lindsay, Ontario, Canada

T: 705 878 3650 – F: 705 878 5019

www.crbearing.com