

Instructions for Assembling and Disassembling Sleeves under Self-aligning Bearings with Tapered Bore



Video 16: DISASSEMBLING of HYDRAULIC WITHDRAWAL SLEEVE under self-aligning ROLLER BEARING with OIL INJECTION

See the step-by-step procedure at www.bgl.com.br/en/treinamento.htm
Technical Videos - **Video 16**

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INITIAL PREPARATION BEFORE DISASSEMBLING

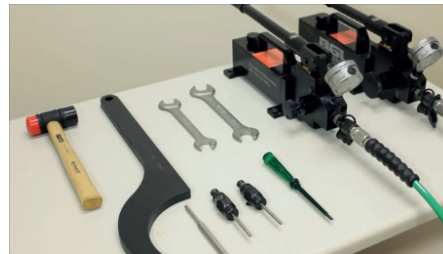
01

Organize the workplace.



02

Select the tools that will be used for the disassembling procedure.



⚠ ATTENTION

Two Hydraulic Pumps and two Extension Tubes are required for this type of disassembling.

▶ **Disassembling Procedures**

03

Raise the jut of the MB Lockwasher with the help of Screwdriver, pricker and impact hammer.



04

Next, loosen the Nut from the shaft using an HN Hook Spanner.



05

Remove the Nut and the MB Lock Washer.



06

Screw the Extension Tube to the internal duct of the Hydraulic Withdrawal Sleeve.

Note: The quick coupling that comes with the Hydraulic Pump must be put into the Extension Tube before screwing it to the Sleeve.



07

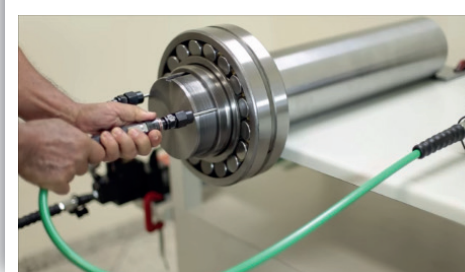
Next, screw the other Extension Tube to the external duct of the Hydraulic Withdrawal Sleeve.

Note: When screwing the Extension Tube, do it carefully to tighten it to the right extent, thereby avoiding leaking.



08

Put the Hydraulic Pump 1 hose connection into the Extension Tube screwed in the internal duct. This will direct the oil to the area between the shaft and the Sleeve.



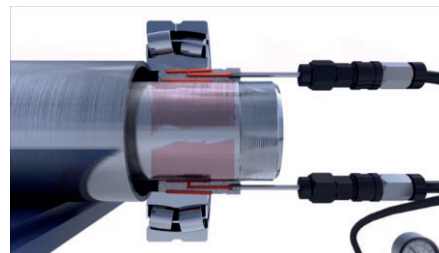
09

Next, put the Hydraulic Pump 2 hose in the external duct. This will direct the oil to the area between the Sleeve and the bearing.



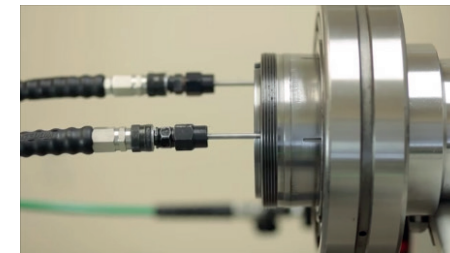
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Start the oil pumping through the internal duct of the Hydraulic Withdrawal Sleeve, Pump 1.



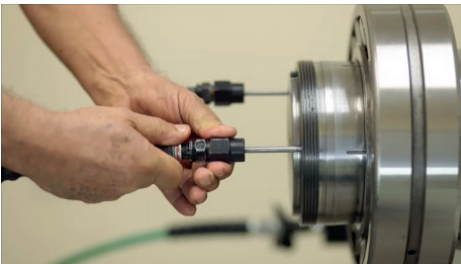
11

At the same time do the pumping of the Pump 2 until the Sleeve moves from the bearing.



12

Take the hoses out of the couplings.



13

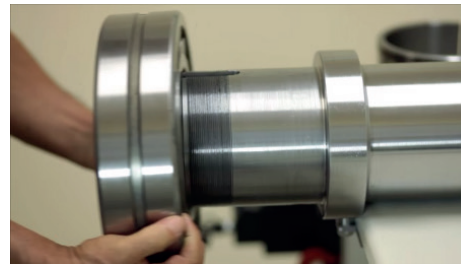
Right after, remove the couplings together with the Extension Tubes.



14

Finally, remove the Hydraulic Withdrawal Sleeve and, as the last step, remove the bearing.

Note: Used sleeves should not be reused.



ATTENTION

To **DISASSEMBLE** the **WITHDRAWAL SLEEVE** under the self-aligning **ROLLER BEARING** with **HYDRAULIC NUT** with only one **HYDRAULIC PUMP**, watch video 15: **DISASSEMBLING** of **WITHDRAWAL SLEEVE** under the self-aligning **ROLLER BEARING** with **HYDRAULIC NUT**.

To assemble, see **Video 10** at www.bgl.com.br/treinamento.htm

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www.bgl.com.br/en/calculo_reducao

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Reference Technical Standards:
ABNT NBR 16535-1: SLEEVES FOR BEARINGS
ABNT NBR 16535-2: LOCKNUTS AND LOCKWASHERS

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Sleeve for Bearings
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BGL - Bertoloto & Grotta Ltda
Av. Major José Levy Sobrinho, 1296
CEP 13486-190 | Limeira – SP | Brasil
Phone +55 19 3451-8510
info@bgl.com.br
facebook.com/bglbuchas
www.bgl.com.br