3 good reasons to use the hydraulic nuts from NTN SNR

• The most professional tool to provide the drive up force required
• Precise and reliable adjustment of radial bearing clearance
• Cost effective, easy to use and secure, it will reduce your down time
Mounting or dismounting comments

For dismounting roller bearings on a tapered shaft, hydraulic pressure should be used through the shaft.

Adapter sleeve
The same HMV can be used for both mounting or dismounting the bearing.

Withdrawal sleeve
2 solutions
- The same HMV can be used for both mounting or dismounting the bearing (b + c)
- 2 different HMV can be used for mounting or dismounting SRB (a + c)

Assemble or disassemble your spherical roller bearings with HMV in only 3 steps.

1. WHAT IS YOUR NEED?

Mounting | Dismounting | Comments
--- | --- | ---
Tapered shafts | For dismounting roller bearings on a tapered shaft, hydraulic pressure should be used through the shaft.
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Withdrawal sleeve | 2 solutions
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2. SELECT THE RIGHT HMV

Using the selection tables available on request (overview here below)

Example:
- 22313EK to be used with a withdrawal sleeve
- AND one HMV 15EBF

3. OPERATE THE HMV

- Screw the HMV on the thread until the bearing and HMV are in contact.
- Warning: Do not forget to grease the thread!
- Connect the pump to the HMV.
- Mount the dial gauge (not included) onto the HMV using the dial gauge holder (supplied with the HMV). Set the gauge to “0”.
- Activate the pump until you reach the desired displacement of the HMV (value of displacement available on our NTN-SNR catalogue).
- Release pressure on the pump in order for the HMV piston to return to its original position.
- Remove the HMV carefully.

Technical data concerning the HMV

- Tool pumps set 700 b 0.3 L for nuts <= HMV 54 EBF
- Tool pumps set 700 b 0.9 L for nuts <= HMV 92 EBF
- Tool pumps set 1500 b 2.5 L for nuts <= HMV 200 EBF

- Pressure gauge
- High quality hose (1.5m for the pump 700 b 0.3 L & 3m for the 700b 0.9L and 1500b 2.5L)
- 1 quick coupling connection (female)
- Supplied with hydraulic oil

Max. permitted operating pressure at max. piston stroke:
- HMV 10 EBF to HMV 25 EBF: 700 bar
- HMV 26 EBF to HMV 40 EBF: 550 bar
- HMV 41 EBF to HMV 60 EBF: 450 bar
- HMV 62 EBF to HMV 100 EBF: 400 bar
- HMV 102 EBF to HMV 120 EBF: 350 bar
- HMV 126 EBF to HMV 200 EBF: 300 bar

Mount the dial gauge (not included) onto the HMV using the dial gauge holder (supplied with the HMV). Set the gauge to “0”.

To check bearing clearance:

- TOOL FEELER GAUGES 100
- TOOL FEELER GAUGES 150
- TOOL FEELER GAUGES 200

Feeler gauge set (length 100, 150, 300 mm)

HMV used for mounting
HMV used for mounting + dismounting
Locknuts Washer

Technical data concerning the HMV:

- Easy handling with eye bolt for nut sizes HMV 60 EBF and upward
- Tommy bar supplied and the provision of 4 holes on the outer diameter
- HMV’s available in metric and inch sizes (1.967 to 37.410 inch)
- Special sizes on request

Accessories for HMV:

- Dial gauge: 2 sizes available (050 & 100) in order to measure the displacement from 5mm to 10mm
- Adapter kit for dial gauge: 4 sizes included with the kit

Pump used with HMV:

- 3 kits designed to provide the best service to your HMV:
  - Tool pumps set: 700 b 0.3 L, for nuts <= HMV 54 EBF
  - Tool pumps set: 700 b 0.9 L, for nuts <= HMV 92 EBF
  - Tool pumps set: 1500 b 2.5 L, for nuts <= HMV 200 EBF

- Pressure gauge
- High quality hose (1.5m for the pump 700 b 0.3 L & 3m for the 700b 0.9L and 1500b 2.5L)
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