

NSD Series Hydraulic Torque Wrench

IMPORTANT: IT IS VITAL THAT THE SAFETY INFORMATION ON PAGE 3 OF THE OPERATORS MANUAL (34416) HAS BEEN READ AND FULLY UNDERSTOOD BEFORE USING THIS TOOL.



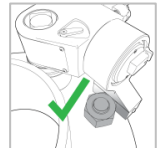
The instructions below are a brief guide for reference only, do not operate these tools before you have read and understand the Operators Manual supplied with the tool.

Before following these steps the tool must be adequately lubricated. The tool may not function properly if it has not been adequately lubricated.

1. Ensure that the correct socket has been fitted to the tool. To fit a socket first slide the socket over the tools square drive ensuring the sockets pin hole and square drives pin hole line up. Then slot the holding pin through the hole and place the retaining circlip over the holding pin to secure.
2. Place the tool onto the nut/bolt and set the reaction arm to ensure that the tool is reacting correctly.

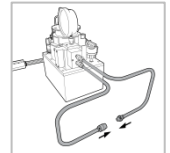


NOTE: The wrench/socket should be engaged to the full depth of the nut/bolt to transmit maximum torque and to prevent damage from overloading the wrench and damaging the corners of the nut/bolt.

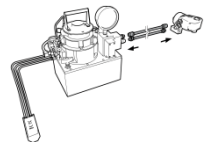


IMPORTANT: BE AWARE OF HAND AND FINGER PLACEMENT, AVOID ALL POINTS OF OPERATION HAZARDS WHEN POSITIONING OR USING EQUIPMENT.

3. Bleed any residual air out of the hydraulic system by connecting the two hoses to the quick connects on the hydraulic pump. Then connect the free ends of each hose to each other creating a loop. Ensure all connections form a tight seal and then switch the pump on. Allow the hydraulic oil to circulate through the looped system at a low pressure for 1 to 2 minutes.
4. Connect the tool to the hydraulic system and ensure that all hose connections are complete to form a tight seal.



IMPORTANT: ENSURE ALL HOSES, QUICK CONNECTS AND END PLUG ARE CLEAR OF THE TOOL AND THE REACTION POINT.



5. Turn the pump on.
6. Set the oil pressure for the required torque.

NOTE: Do not apply more torque to a nut/bolt than the manufacturer's specification for that nut/bolt. Doing so can result in nut/bolt failure and perhaps socket damage.

Never exceed the maximum rated pressure/capacity of any of the equipment used in the hydraulic system.

7. Activate the remote control connected to the pump to advance the piston.
8. Once the piston is fully advanced, release the button on the remote control to enable the piston to retract. You will know the tool has fully advanced when the nut/bolt stops rotating, pressure builds to set pressure and the pump volume becomes louder.

TIP: If the tool will not extend or retract, check the couplings to make sure they are tight.

9. Once the piston has fully retracted repeat steps 7 and 8 until the nut is no longer turning and the pump has reached the desired pressure. Allow the piston to fully retract, you will know the tool is fully retracted when you hear a 'click', pressure builds, then decreases, and pressure returns to approximately 1500 psi.

NOTE: Starting another stroke before the piston has fully retracted may cause damage to the tool.

TIP: If the tool is erratic in its cycle, check the oil level in the pump.

10. Switch off the hydraulic system and prepare the tool for its next application.

NSD Series tools are equipped with an anti-reverse latching pawl release mechanism, located on the side of the tool. This allows release of the tool if 'binding' occurs. Press the pump control button to load up the tool, using your hand turn the latching pawl handle towards the back of the tool. If tool will not release from bolt, increase hydraulic pressure and repeat this process.