

## NHC Series Hydraulic Torque Wrench

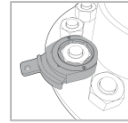


**IMPORTANT:** IT IS VITAL THAT THE SAFETY INFORMATION ON PAGE 3 OF THE OPERATORS MANUAL (34416) HAS BEEN READ AND FULLY UNDERSTOOD BEFORE USING THIS TOOL.

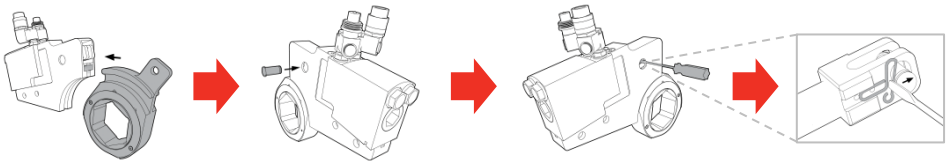
The instructions below are a brief guide for reference only, do not operate these tools before you have read and understand the Operators Manual supplied with the tool.

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

1. Check the Hex Link Cassette on the nut to make sure it properly fits.

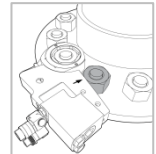


2. Ensure that the correct Hex Link Cassette has been fitted to the tool. To fit a Hex Link Cassette check to see if the cylinder drive pin has been removed from the tool before sliding the Hex Link Cassette into the tool body. Ensure the cylinder drive pin hole on the tool body and Hex Link Cassette are in line and then reinsert the cylinder drive pin securing in place with the quick-clip.

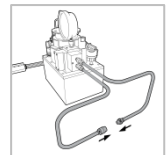


3. Place the tool onto the nut/bolt and ensure the tool is reacting correctly.

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

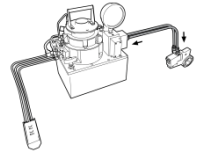


4. Bleed any residual air out of the hydraulic system by connecting the two hoses to the quick connects on the hydraulic pump. Then connect the free ends of each hose to each other creating a loop. Ensure all connections form a tight seal and then switch the pump on. Allow the hydraulic oil to circulate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



5. 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.



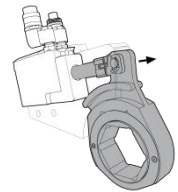
6. Turn the pump on.
7. Set the oil pressure for the required torque.

**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.**

8. Activate the remote control connected to the pump to advance the piston.
9. 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 Hex Link Cassette is extended past the body and the set pressure has been reached.

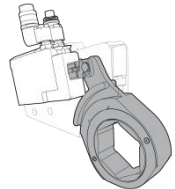
**TIP:** If the tool will not extend or retract, check the couplings to make sure they are tight.



10. Once the piston has fully retracted repeat steps 8 and 9 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 are able to see the cylinder drive pin through the hole in the tool body and the 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.



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