

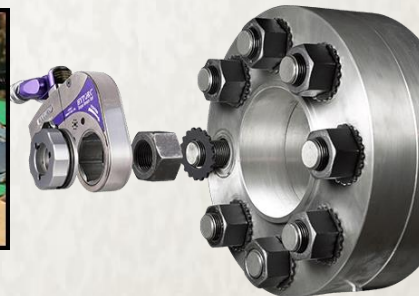


Safety SOP

Mechanical & Hydraulic Torque Wrenching

Before Getting Started

- ❖ Review the work plan and check for any hazardous conditions (i.e., tight spaces with crush points, pinch points, etc.)
- ❖ Select the correct tool for the job –
 - Verify equipment size relative to the torque/tension requirements and equipment attachments (i.e., pumps, heads, cassettes, drives, socket, etc.)
 - Trained and qualified to operate the torque equipment
 - Verify sufficient tool clearance to prevent damage to the equipment and operator
- ❖ Inspect the torque wrench equipment and hoses (if applicable) for any damage/leaks
 - Ensure all connections are securely connected
 - Verify hoses are not kinked
 - Ensure the drive and its retainer are fully secured and retainer screws fastened
 - Verify the reaction arm retaining clamp is fully engaged (utilize a solid, secure reaction point to test)



Getting Started

- ❖ Utilize correct body positioning when handling heavy torquing equipment
- ❖ Check hand and body clearance prior to actuating tool
- ❖ Torque in pairs when applicable (e.g., hydraulic torquing)
 - Establish proper communication protocol (i.e., “no” and “go” can easily be mistaken)
- ❖ Cycle tool to ensure proper function
- ❖ Ensure the reaction arm is fully engaged to a secure point (change arm type if necessary to achieve better contact or change torquing method/tool)
- ❖ Holding backup with a combo wrench is not sufficient; utilize LOKRITE backup wrench for 1-5/8” or greater nut sizes