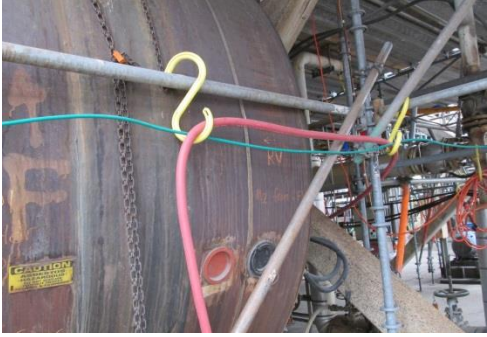





**The following are guidelines. Client or Project Specifics may superseded this document. Consult Project Manager with conflicts.**

Task Step	Step Hazard	Hazard Mitigation	Picture
1.) Check tools/ air hoses for damage & current inspection color(s) tagging. a. Review owner's manual to determine recommended operating pressure & maximum allowable pressure. b. Do not use tool in a manner other than stated. Use other than stated in the instructions is forbidden.	N/A	N/A	
2.) Run air hose (above ground if possible) from air compressor/ plant air to work area. a. Items Needed: i. Air hose with Chicago fittings ii. Whip checks for air hose connections iii. Pins to lock Chicago fittings together at connections iv. "S" hooks if required. v. Shut off valve	A. Potential tripping hazard if run on ground	A. String air hose above ground using "S" hooks. B. If unable to string above ground, utilize a wood ramp or proper flagging to identify tripping hazard.	
3.) Install impact rated socket to impact wrench, while air is not connected to tool. After socket is installed, connect air to tool. A. <b>Ensure impact sockets are used instead of standard sockets.</b> Impact sockets are designed to withstand a higher torque pressure.	A. Pinched fingers	A. Watch finger placement B. Wear impact rated hi viz gloves	
4.) Apply socket to nut/ bolt.	A. Pinched Fingers	A. Never place fingers between socket and nut/ bolt. B. Never place fingers on trigger of impact when socket is not fully engaged with nut/ bolt.	
5.) Operate impact wrench 6.) Ensure wrench is set for correct direction	A. Line of fire due to torque B. Pinched fingers C. <b>Foreign object to eye</b> D. Noise hazard	A. <b>Place one hand on handle &amp; other hand on top of impact to ensure control.</b> Also, do not wear loose fitting clothing B. Hi viz impact resistant gloves are required C. <b>Wear a face shield during operation</b> D. Double hearing protection may be required mitigate hazard	
7.) Move socket to next nut/ bolt as required. If a different size socket is needed: A. Shut off air supply B. Disconnect wrench from air supply C. Change socket	Refer to step # 4 & repeat	Refer to step # 4 & repeat	



INDUSTRIAL-STRENGTH CONSTRUCTION

Title: Proper use of Impact Wrenches  
Revision Date: N/A

## TASK SAFETY PROCESS

TSP Number: T0007

Issue Date: 1/29/2014

Reviewed By: Doug Patton, Ron Beverly, Chad Smit, Brad Bechinske



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**\*\* SPECIAL NOTES: Items in RED indicate previous incident.**



If available, utilize an impact that has a top/side handle as shown in the picture below. Not only will the handle add stability, it will keep your "support hand" out of the line of fire.

