

Date	01.04.22	Contact	JACKSON NKOMONDE
Customer	AUREX	Lubrication	RECOMMENDED
Area	SASOL SYNFUELS GASIFICATION	Bolt Size	M45
Rep	LAURETTE GOBEY	Nut Size	70MM
Project	MAINTENANCE	No Bolts & Nuts	NUMEROUS
Application	WASTE BOILER	Proposed Torque	(+ 4500 Nm assembly) (+ 6750Nm for breakout)
Current Bolting Method	J5- PNEUMATIC	Proposed Tool	STEALTH8 with 70MM HEX 1.1/2' SQ. Drive Adapter

Observation: Aurex are currently using the J5 pneumatic gun for breakout on the waste boiler flange. Due to the heat of the application, loosening bolts requires the maximum torque output for the J5 which is causing tool failure. Aurex attempted to use the stealth 8 with a stack socket, but the stack socket depth does not engage fully on the nut. They also have challenges with limited space in between and behind the bolts. As per Aurex they have used the Avanti 8, but the tool does not fit sufficiently, which resulted in the tool jumping off the application.

1. STEALTH 8 - STACK SOCKET NOT ENGAGING FULLY ON NUT

5. STACK SOCKET

2. STANDARD 1.1/2" 70MM SOCKET FITS IN BETWEEN BOLTS AND ENGAGES FULLY

3. STEALTH 8- FITS IN LIMITED SPACE BEHIND

4. HEX / SQUARE DRIVE ADAPTOR **SOLUTION**

Solution: Using the Stealth 8 low clearance wrench with a 70mm Hex to 1.1/2" Square drive adaptor is a suitable solution for this application and direct replacement for the stack socket. The Standard 1.1/2" drive socket fully engages with the nut and the hex/square drive adaptor with the stealth 8 tool. The stealth 8 also has the efficient breakout force necessary for this application.