

Reactor Head Bolting



These hydraulically actuated nuts are fitted as direct replacements for standard nuts on Reactor Head Bolts.

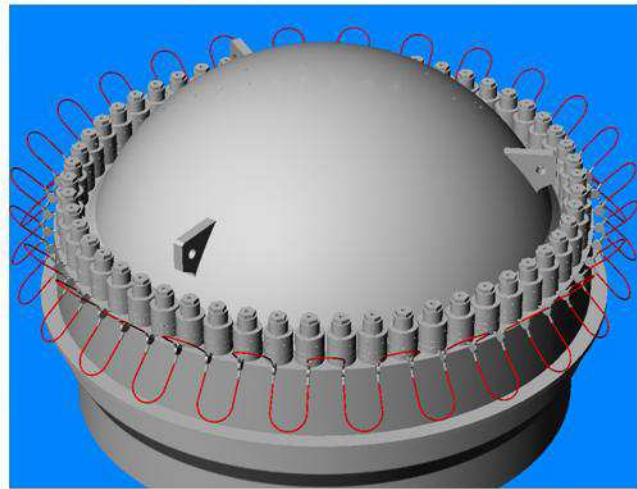
In this case, the 54 x 7" Two stage HiTemp HydraNuts are interconnected and pressurized simultaneously. This gives an evenly applied load over the full 'o' ring area and ensures that

bolts are correctly loaded. The existing method of tensioning the bolts is time consuming and labor intensive, taking up to 18 hrs to complete.

Utilizing the HydraNuts, the tensioning can be completed in less than 2 hours.

Ease of removal is assured due to the patented seals' ability to operate after exposure to working temperature.

Scheduling of bolting operations is now very predictable and can be accurately programmed.



How does it work?

The HydraNut is screwed into position onto the valve cover face. The quick connect coupling is connected and pressure is applied by a hydraulic pump. The hydraulic force applied equals the pressure times the hydraulic area and is therefore a known load. The bolt is stretched and the locking is wound down to seat on the top face of the piston. The hydraulic pressure is released and the hose is disconnected.

Benefits:

- **Fast**
- **Accurate**
- **Simple**
- **Safe**

