THE TUBULAR SOLUTION FOR DRILLING WITH CASING
Engineered and Proven for Casing Drilling

- Precision coupling thread
- Larger pins than API buttress meet in the center of the coupling to create a torque stop
- Pin-to-pin contact allows torque to be absorbed in the pipe body, not just the threads

Rugged and proven buttress thread form
The U. S. Steel Tubular Products team recognized the need for a connection that provides high torsional loads, enhanced fatigue resistance and easy handling characteristics while maintaining the economics of the drilling program. To meet these requirements, U. S. Steel Tubular Products created USS-CDC™, a casing connection specially designed and engineered for casing drilling.

Whether you are drilling with casing or simply need to rotate through a tight dogleg, the USS-CDC™ connection will get you there on time and on budget.
A modified API Buttress threaded and coupled connection, the U. S. Steel Tubular Products USS-CDC™ is specially designed, engineered and proven for today’s casing drilling applications. The standard API thread form provides familiar handling characteristics and an industry-accepted thread sealing pressure resistance. The field-proven USS-CDC™ connection is ideal for casing drilling and other applications requiring the need for higher torques and rotation of the pipe.

**ENGINEERED ADVANTAGES**

The pins of the USS-CDC™ connection are longer than API Buttress connections, forming a controlled pin-to-pin contact area in the center of the coupling. At power tight make-up, the two pin members create a radial torque shoulder. The consistent pin-to-pin contact at the center of the coupling ensures the high torsional forces exerted during rotary drilling are transmitted against the pipe body and not solely against the threads.

The pitch diameter of the mill end pin is larger than that of the field end pin, resulting in higher make-up torque on the mill end than on the field end. This feature greatly reduces the possibility of the coupling turning during make-up of the field end. The torque shoulder allows for easy make-up on the rig while providing higher drilling torques than API Buttress by directly transmitting torsional forces exerted on the connection during drilling operations. The delta torque in the connection also enhances fatigue resistance of the connection by preloading the shoulder.

USS-CDC™ connections are available in 4-1/2 to 13-3/8 inch sizes.
RIG SITE SERVICES

U. S. Steel Oilwell Services recognizes the value of quality rig site services, particularly when running connections such as USS-CDC™.

Trained, experienced U. S. Steel employees are available to assist in running casing and tubing connections. Rig site personnel will inspect U. S. Steel connections in the storage yard or at the rig site and are trained to perform minor field repairs.

Rig site services and benefits include:

- 24/7/365 service
- Assurance that correct running procedures are followed
- Visual inspection of connections
- Tools and training required to perform field repair
- Knowledge of full technical specifications and product performance data
- Ongoing training and direct access to engineering and technical staff
- Direct contact with licensed repair facilities

U. S. Steel Oilwell Services
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NOTES
1. For sizes and grades not listed, please contact U. S. Steel Tubular Products.
2. High collapse grades have same yield torque as corresponding minimum yield strength.
3. Make-up torques will vary but shall not exceed 90% of connection yield torque. Reference USS-CDC™ Recommended Practices for more details.