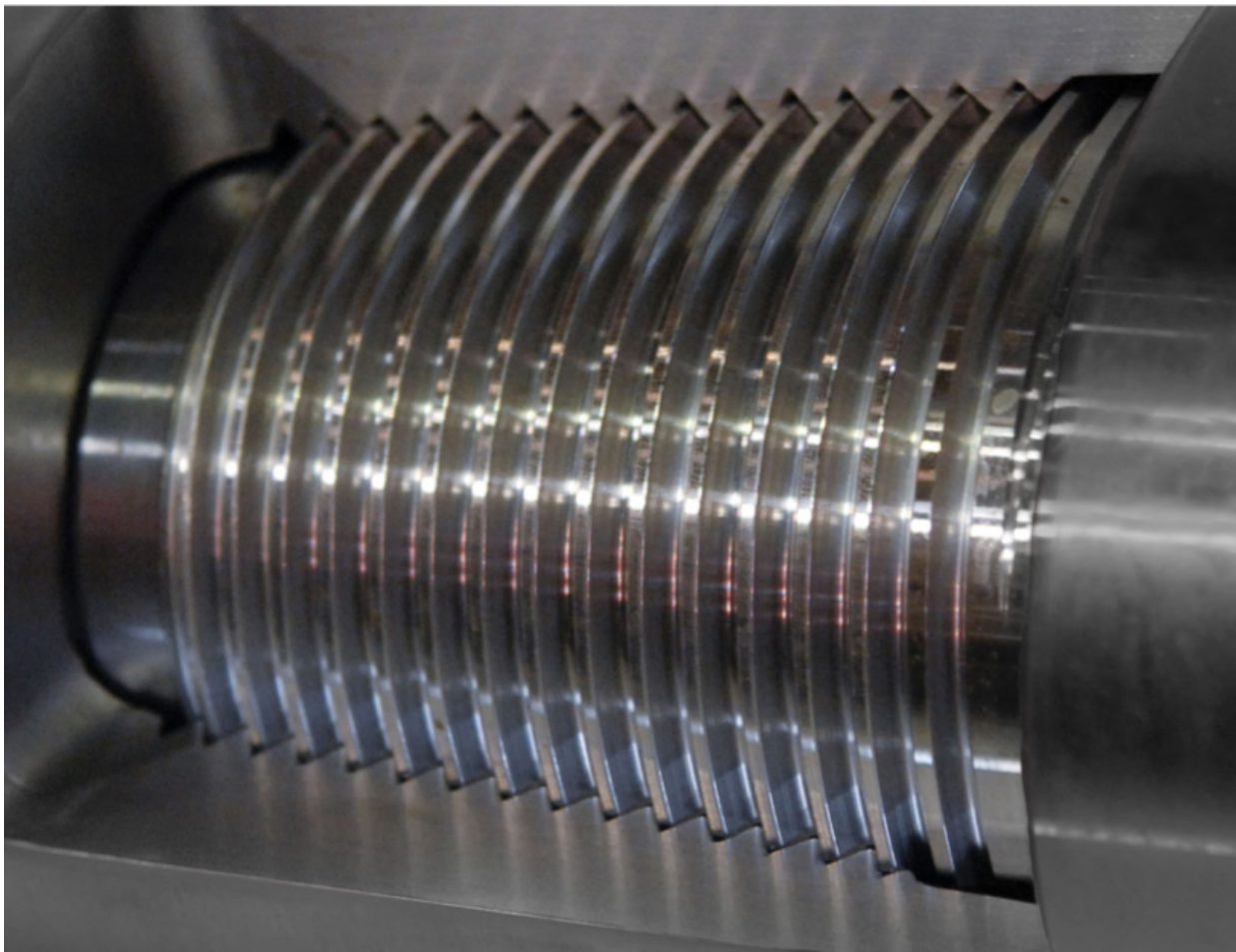


# CDS™

## COMMAND DOUBLE SHOULDER CONNECTION



*The CDS™ connection has increased torque over API connections while maintaining interchangeability, providing the solution to reach total depth as fast as possible.*

- Fully Interchangeable with API and other DS connections
- NS-1 approved double shoulder connection



## USA

18911 West Industrial Pkwy.  
New Caney, Texas  
77357  
281-572-3900

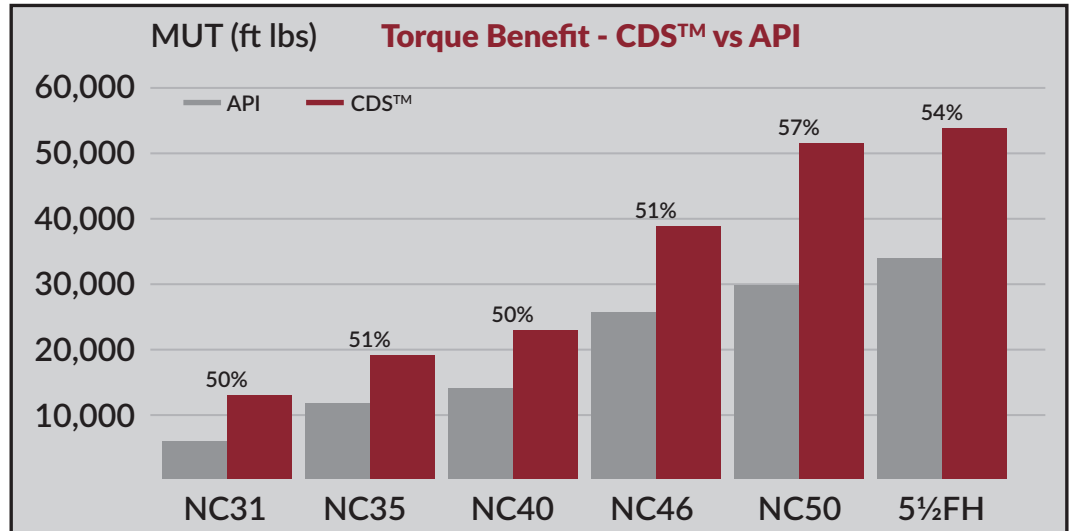
## CANADA

406-22nd Avenue  
Nisku, Alberta  
T9E 7W8  
780-955-9331

www.commandtubular.com

## PROVIDES HIGHER TORQUE

The CDS™ has increased torsional yield strength due to the addition of a secondary shoulder. The secondary shoulder is a mechanical stop that reduces internal stresses in the pin and box of the connection allowing the connection to handle more torque.



## IMPROVED HYDRAULIC EFFICIENCIES

The CDS™ connection has a smooth ID. The connection can be made with smaller OD's and larger ID's than an API connection with equivalent torque capacities. These characteristics improve the hydraulic efficiency. The smoother, larger ID of the connection also prevents cement and other items from becoming stuck in the tool joint.

## COMPATIBILITY

The CDS™ connection can be made up with API numbered connections and other available double shoulder connections. The chart below shows the performance capabilities of the CDS connection.

Connection Type	OD (in)	ID (in)	Recommended Make-up Torque (ft-lbs)	Tensile Yield Strength (lbs)	Torsional Yield Strength (ft-lbs)
CDS 238PAC	2 7/8	1 1/2	4,300	221,700	6,600
CDS 238SLH90	2 7/8	1 1/2	5,100	398,200	7,800
CDS 278PAC	3 1/8	1 1/2	5,300	295,800	8,800
CDS 26	3 1/4	1 1/4	6,500	234,500	10,000
CDS AOH	3 7/8	2 1/8	8,100	374,400	12,720
CDS 278SLH90	3 7/8	2 1/8	9,500	414,400	15,800
CDS 31	4 1/8	2	11,800	524,100	18,600
CDS 38	4 7/8	2 9/16	17,600	687,700	27,800
CDS 40	5 1/4	2 11/16	22,500	824,400	35,400
CDS 46	6 1/4	3 1/4	30,100	957,200	46,300
CDS 50	6 5/8	3 1/4	50,600	1,353,300	77,800
CDS 55	7	4	50,500	1,348,300	79,000
CDS 65	8	4 7/8	73,600	1,668,200	114,500