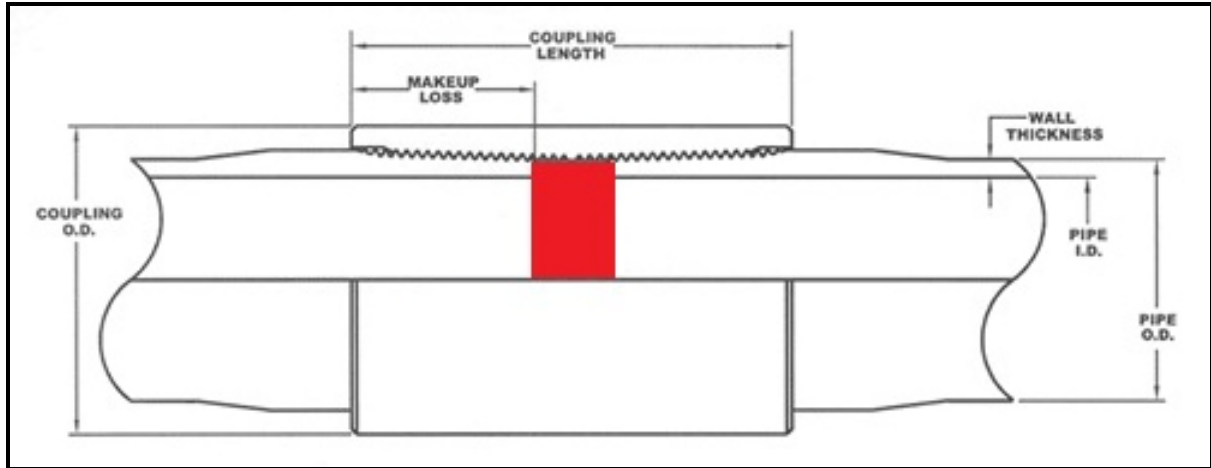




PAT# 7,510,219 US
REV. # 7 09/02/2015
PART # TD-4.50-12.75 L/N80

# TDI-FCR



## 4-1/2 (4.500)" OD 12.75 lb/ft L/N80 EUE

### Pipe

Plain End Weight	Wall Thickness	Inside Diameter	Drift Diameter	Plain End Area	Longitudinal Plain End Yield	Internal Yield	Collapse Pressure
Lbs/Ft	Inches	Inches	Inches	Sq. Inches	Lb	PSI	PSI
12.25	0.271	3.958	3.833	3.600	288,100	8,430	7,500

### Connection

Coupling Outside Diameter		REGULAR Coupling Length	REGULAR Make-up Loss	Longitudinal Joint Strength (Pipe Body)
Standard	Sp. Clearance			
Inches	Inches	Inches	Inches	Lb
5.563	5.094	6.250	2.685	288,000

### Pressure

Internal Pressure Resistance
PSI
8,430

### Torque

Using MIN PFW Pin Face Width 75%	Min. Ft-lb	Opt. Ft-lb	Max. Ft-lb
Est Make-Up Torque	3,200	4,250	5,250
Delta Torque	2,420	5,000	7,650
Total Torque	5,620	9,250	12,900

### Compression

Maximum Lb
324,200

### Bending

Max. Bend Radius
°/100'
82

### Tension

Max. Rec. Setting Depth	
Feet	S.F.
14,120	1.6

Note:

Delta torque is the torque applied after pin nose/center ring contact. Delta Torque is 75% of recommended to allow for Minimum PFW. Add the makeup torque to the Delta Torque to obtain the total torque.

**Caution: Est Make-up Torque values and Final Field Torque Values are approximation and for guidance only.**