

Houston International Specialty Inc.

Size	4.5
Grade	P110
Weight	13.5

TCPC - SWAGE ADDED

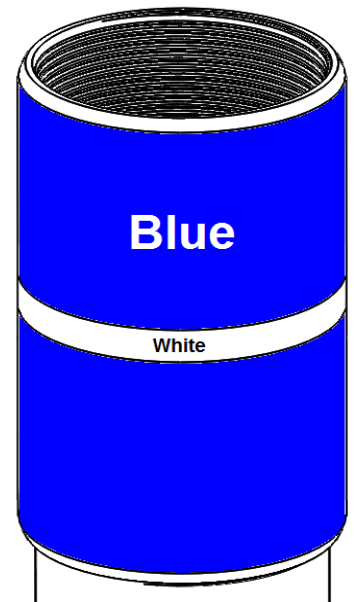
Coupling and Pipe Dimensions (in)						
	Outer Diameter	Inner Diameter	Coupling Length	Make-up Loss	Wall Thickness	Drift Diameter
Coupling	5.000	3.880				
Pipe		3.920	9.250	4.250	0.290	3.795
Pin		3.880				

Torque Values (ft-lbs)				
During Make-Up			Max. Working Torque	Yield Torque
Minimum	Optimum	Maximum**		
7,000	9,000	11,000	12,500	15,600

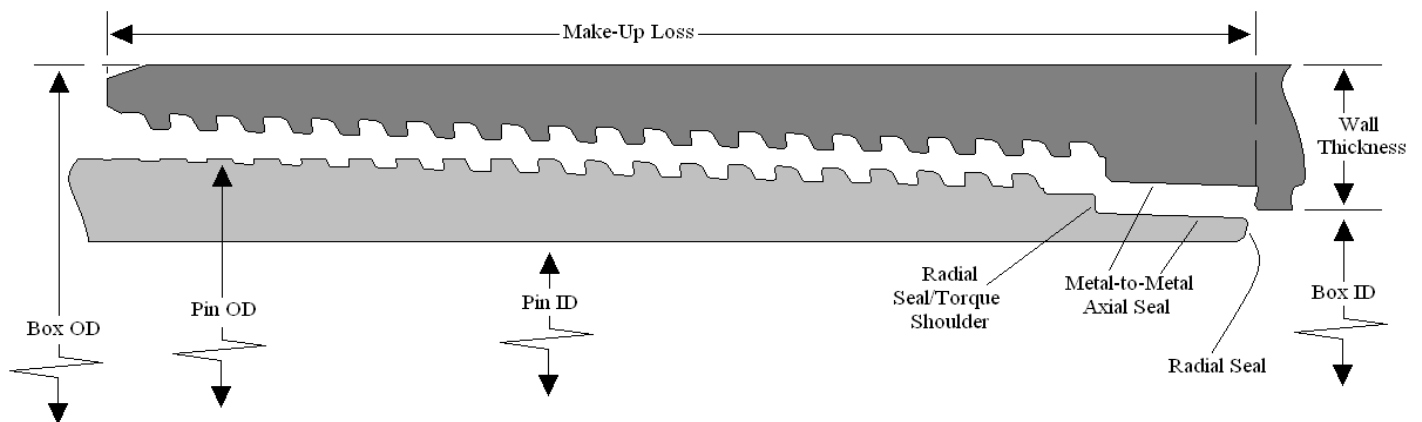
Yield Stress (x1000 lbs.)	
Tensile	Compressive
422	422

Maximum Pressure (psi)	
Internal	External
12,410	10,690

Blanking Dimensions (in)			
	ID (+0.0 -0.032)	OD (+0.032 -0.0)	OAL (+1.5 -0.0)
Box End	3.880	5.000	5.250
Pin End	3.880	4.500	4.750



**Max M/U Torque may be exceeded only by approval from the Thread Representative.



*Data are for information purposes only. Though HIS has made efforts to ensure accuracy, HIS makes no warranty for loss or damage due to its use.