

## HYDRA 5.5in. x 15.5 lb/ft J-55 Flush Joint



### Pipe Body

Nominal OD	5.500	inches
Nominal Weight	15.50	lb/ft
Wall Thickness	0.275	inches
Plain End Weight	15.36	lb/ft
Standard Drift	4.825	inches
Nominal ID	4.950	inches
Grade	J-55	
Min Yield	55,000	lb/in <sup>2</sup>
Min Tensile	75,000	lb/in <sup>2</sup>
Critical Section Area	4.514	in <sup>2</sup>
Pipe Body Yield Strength	248	kips
Min Internal Yield Pressure	4,810	psi
Collapse Pressure	4,040	psi

### Connection

Connection OD	5.500	inches
Make Up Loss	4.225	inches
Critical Section Area	2.708	in <sup>2</sup>
Internal Pressure Rating	3,850	psi
External Pressure Rating	4,040	psi
Tension Efficiency	60%	
Connection Strength	149	kips
Compression Efficiency	149	kips
Uniaxial Bend Rating	28	° / 100 ft
Reference Depth	6,458	Ft.
Optimal Make Up Torque	2,838	ft-lbs
Min	2,300	ft-lbs
Max	3,375	ft-lbs

v1.0

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The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)\*(1.5). Reference Depth includes a 1.5 design factor. However, it does not consider bending, temperature, buoyancy or other load considerations.

### Torque Data Sheet - HYDRA

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Min Make Up Torque	2,300	ft-lbs	Nom Shoulder Torque	300	ft-lbs
Max Make Up Torque	3,375	ft-lbs	Max Operating	4,000	ft-lbs
Optimum Torque	2,838	ft-lbs	Yield	7,450	ft-lbs

