

## HYDRA 7.625in. x 33.7 lb/ft J-55 Flush Joint

**Pipe Body**

Nominal OD	7.625	inches
Nominal Weight	33.70	lb/ft
Wall Thickness	0.430	inches
Plain End Weight	33.07	lb/ft
Standard Drift	6.640	inches
Nominal ID	6.765	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	9.720	in <sup>2</sup>
Pipe Body Yield Strength	535	kips
Min Internal Yield Pressure	5,430	psi
Collapse Pressure	5,100	psi

**Connection**

Connection OD	7.625	inches
Make Up Loss	4.450	inches
Critical Section Area	5.832	in <sup>2</sup>
Internal Pressure Rating	4,340	psi
External Pressure Rating	5,100	psi
Tension Efficiency	60%	
Connection Strength	321	kips
Compression Efficiency	321	kips
Uniaxial Bend Rating	21	° / 100 ft
Reference Depth	6,471	Ft.
Optimal Make Up Torque	8,875	ft-lbs
Min	7,050	ft-lbs
Max	10,700	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	7,050	ft-lbs	Nom Shoulder Torque	1,260	ft-lbs
Max Make Up Torque	10,700	ft-lbs	Max Operating	16,800	ft-lbs
Optimum Torque	8,875	ft-lbs	Yield	21,000	ft-lbs

