



## HYDRA 7in. x 23 lb/ft J-55 Flush Joint



### Pipe Body

Nominal OD	7.000	inches
Nominal Weight	23.00	lb/ft
Wall Thickness	0.317	inches
Plain End Weight	22.65	lb/ft
Standard Drift	6.250	inches
Nominal ID	6.366	inches
Grade	J-55	
Min Yield	55,000	lbf/in <sup>2</sup>
Min Tensile	75,000	lbf/in <sup>2</sup>
Critical Section Area	6.655	in <sup>2</sup>
Pipe Body Yield Strength	366	kips
Min Internal Yield Pressure	4,360	psi
Collapse Pressure	3,270	psi

### Connection

Connection OD	7.000	inches
Make Up Loss	3.780	inches
Critical Section Area	3.993	in <sup>2</sup>
Internal Pressure Rating	3,490	psi
External Pressure Rating	3,270	psi
Tension Efficiency	60%	
Connection Strength	220	kips
Compression Efficiency	220	kips
Uniaxial Bend Rating	22	° / 100 ft
Reference Depth	6,464	Ft.
Optimal Make Up Torque	5,263	ft-lbs 
Min	4,150	ft-lbs 
Max	6,363	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

HYDRA 7in. x 23 lb/ft J-55 Flush Joint

Min Make Up Torque	4,150	ft-lbs	Nom Shoulder Torque	670	ft-lbs
Max Make Up Torque	6,363	ft-lbs	Max Operating	10,150	ft-lbs
Optimum Torque	5,263	ft-lbs	Yield	12,700	ft-lbs

