

HYDRA 5.5in. x 23 lb/ft J-55 Flush Joint

**HYDRA****Pipe Body**

Nominal OD	5.500	inches
Nominal Weight	23.00	lb/ft
Wall Thickness	0.415	inches
Plain End Weight	22.56	lb/ft
Standard Drift	4.545	inches
Nominal ID	4.670	inches
Grade	J-55	
Min Yield	55,000	lb/in ²
Min Tensile	75,000	lb/in ²
Critical Section Area	6.630	in ²
Pipe Body Yield Strength	365	kips
Min Internal Yield Pressure	7,260	psi
Collapse Pressure	7,670	psi

Connection

Connection OD	5.500	inches
Make Up Loss	5.000	inches
Critical Section Area	3.978	in ²
Internal Pressure Rating	5,810	psi
External Pressure Rating	7,670	psi
Tension Efficiency	60%	
Connection Strength	219	kips
Compression Efficiency	219	kips
Uniaxial Bend Rating	29	° / 100 ft
Reference Depth	6,472	Ft.
Optimal Make Up Torque	5,250	ft-lbs
Min	3,038	ft-lbs
Max	6,150	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	3,040	ft-lbs	Nom Shoulder Torque	1,500	ft-lbs
Max Make Up Torque	6,150	ft-lbs	Max Operating	9,800	ft-lbs
Optimum Torque	5,250	ft-lbs	Yield	12,300	ft-lbs

