

## HYDRA-XL 7.625in. x 29.7 lb/ft HC-P110 Flush Joint

### Pipe Body

Nominal OD	7.625	inches
Nominal Weight	29.70	lb/ft
Wall Thickness	0.375	inches
Plain End Weight	29.04	lb/ft
Standard Drift	6.750	inches
Nominal ID	6.875	inches
Grade	HC-P110	
Min Yield	110,000	lb/in <sup>2</sup>
Max Yield	140,000	lb/in <sup>2</sup>
Min Tensile	125,000	lb/in <sup>2</sup>
Critical Section Area	8.541	in <sup>2</sup>
Pipe Body Yield Strength	940	kips
Min Internal Yield Pressure	9,470	psi
Collapse Pressure	6,700	psi

### Connection

Connection OD	7.625	inches
Make Up Loss	5.011	inches
Critical Section Area	5.979	in <sup>2</sup>
Internal Pressure Rating	7,570	psi
External Pressure Rating	6,700	psi
Tension Efficiency	70%	
Connection Strength	658	kips
Compression Efficiency	658	kips
Uniaxial Bend Rating	41	° / 100 ft
Reference Depth	15,106	Ft.
Optimal Make Up Torque	7,900	ft-lbs
Min	6,700	ft-lbs
Max Operating	20,050	ft-lbs

v3.0

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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-XL

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Min Make Up Torque	6,700	ft-lbs
Max Make Up Torque	15,850	ft-lbs
Optimum Torque	7,900	ft-lbs

Nom Shoulder Torque	1,500	ft-lbs
Max Operating	20,050	ft-lbs

