

HYDRA 6in. x 24 lb/ft HC-L80 Flush Joint



HYDRA

Pipe Body

| | | |
|-----------------------------|--------|--------------------|
| Nominal OD | 6.000 | inches |
| Nominal Weight | 24.00 | lb/ft |
| Wall Thickness | 0.400 | inches |
| Plain End Weight | 23.95 | lb/ft |
| Standard Drift | 5.075 | inches |
| Nominal ID | 5.200 | inches |
| Grade | HC-L80 | |
| Min Yield | 80,000 | lb/in ² |
| Min Tensile | 95,000 | lb/in ² |
| Critical Section Area | 7.037 | in ² |
| Pipe Body Yield Strength | 563 | kips |
| Min Internal Yield Pressure | 9,330 | psi |
| Collapse Pressure | 9,710 | psi |

Connection

| | | |
|--------------------------|-------|-----------------|
| Connection OD | 6.000 | inches |
| Make Up Loss | 4.230 | inches |
| Critical Section Area | 4.222 | in ² |
| Internal Pressure Rating | 7,470 | psi |
| External Pressure Rating | 9,710 | psi |
| Tension Efficiency | 60% | |
| Connection Strength | 338 | kips |
| Compression Efficiency | 338 | kips |
| Uniaxial Bend Rating | 38 | ° / 100 ft |
| Reference Depth | 9,403 | Ft. |
| Optimal Make Up Torque | 7,873 | ft-lbs |
| Min | 6,364 | ft-lbs |
| Max | 9,382 | 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 6in. x 24 lb/ft HC-L80 Flush Joint

| | | | | | |
|--------------------|-------|--------|---------------------|--------|--------|
| Min Make Up Torque | 6,364 | ft-lbs | Nom Shoulder Torque | 1,010 | ft-lbs |
| Max Make Up Torque | 9,382 | ft-lbs | Max Operating | 16,509 | ft-lbs |
| Optimum Torque | 7,873 | ft-lbs | Yield | 20,655 | ft-lbs |

