### **PRECISION**

### HYDRA 7.625in. x 33.7 lb/ft HC-L80 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                       | HC-L80 |         |
| Min Yield                   | 80,000 | lbf/in² |
| Min Tensile                 | 95,000 | lbf/in² |
| Critical Section Area       | 9.720  | in²     |
| Pipe Body Yield Strength    | 778    | kips    |
| Min Internal Yield Pressure | 7,900  | psi     |
| Collapse Pressure           | 0      | psi     |

#### Connection

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| Connection OD            | 7.625  | inches     |
|--------------------------|--------|------------|
| Make Up Loss             | 4.450  | inches     |
| Critical Section Area    | 5.832  | in²        |
| Internal Pressure Rating | 6,320  | psi        |
| External Pressure Rating | 0      | psi        |
| Tension Efficiency       | 60%    |            |
| Connection Strength      | 467    | kips       |
| Compression Efficiency   | 467    | kips       |
| Uniaxial Bend Rating     | 30     | ° / 100 ft |
| Reference Depth          | 9,410  | Ft.        |
| Optimal Make Up Torque   | 12,909 | ft-lbs     |
| Min                      | 10,255 | ft-lbs 🚺   |
| Max                      | 15,564 | ft-lbs     |
|                          | v1.0   | 12/12/2019 |

HVDPA

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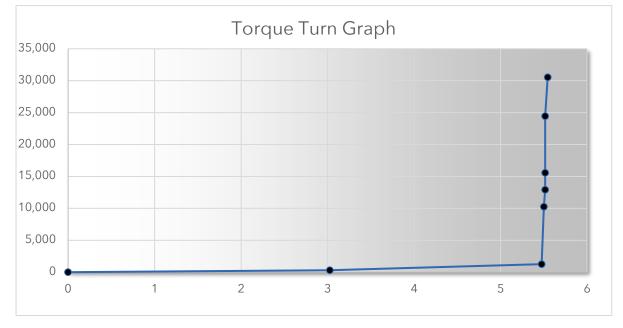
The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength/ (PE Wt./Ft)\*(1.5). Reference Depth includes a 1.5 design factor. However, it does not consider bending, temperature, bouyancy or other load considerations.

# **PRECISION**

#### Torque Data Sheet - HYDRA

HYDRA 7.625in. x 33.7 lb/ft HC-L80 Flush Joint

| Min Make Up Torque | 10,255 | ft-lbs | Nom Shoulder Torque | 1,260  | ft-lbs |
|--------------------|--------|--------|---------------------|--------|--------|
| Max Make Up Torque | 15,564 | ft-lbs | Max Operating       | 24,436 | ft-lbs |
| Optimum Torque     | 12,909 | ft-lbs | Yield               | 30,545 | ft-lbs |



## L) HYDRA

12/12/2019

v1.1