



# PATTERSON RENTAL TOOLS

## 4 1/2" BN HWDP W/ 4 1/2" XH

### Tubing

1" thru 4 1/2"

### Drill Pipe

2 3/8" thru 5 1/2"

### Heavy Weight Drill Pipe

2 7/8" thru 6 5/8"

### Drill Collars

2 7/8" thru 10"

### Blow-Out Preventers

#### Annular Type

2 9/16" 5M thru 29 1/2" 500 PSI

#### Hydraulic Ram Type

##### Single and Double

3 1/16" 10M thru 16 3/4" 5M

### Valves Manual & Hydraulic

#### 12" Ball Valves

2 1/16" 5M thru 4 1/16" 15M

|                           |                |              |
|---------------------------|----------------|--------------|
| Product:                  | 4 1/2" BN HWDP |              |
| Tube Size:                | 4 1/2"         | In.          |
| Nominal Weight/JT         | 1,230          | Lbs          |
| Connection:               | 4 1/2" XH      |              |
| Engineering Data:         |                |              |
| Drift Diameter:           | 2.625          | In.          |
| Adj. Weight / Foot:       | 41.00          | Lbs./Ft.     |
| Avg Jt Length             | 30             | Feet         |
| Displacement(Open):       | 0.612          | Gal./Ft.     |
|                           | 1.457          | Bbl./100 Ft. |
| Capacity:                 | 0.316          | Gal./Ft.     |
|                           | 0.752          | Bbl./100 Ft. |
| Connection Specifications |                |              |
| Outside Diameter:         | 6 1/4"         | In.          |
| Minimum OD                | 6"             | In.          |
| Inside Diameter:          | 2 3/4"         | In.          |
| Tensile Yield New:        | 548,000        | Lbs.         |
| Torsional Strength New:   | 38,800         | Ft./lbs.     |
| Make Up Torque Min New:   | 19,400         | Ft./lbs.     |
| Make Up Torque Max New:   | 20,000         | Ft./lbs.     |
| Special Note:             |                |              |
|                           |                |              |
|                           |                |              |
|                           |                |              |
|                           |                |              |

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