



# PATTERSON RENTAL TOOLS

## 3 1/2" BN 13.30# S-135 3 1/2" HT-38 Drill Pipe

<b>Product:</b>	<b>3 1/2" BN</b>	DP312BNS135W312HT38
<b>Tube Size:</b>	<b>3 1/2"</b>	<b>In.</b>
<b>Nominal Weight / Ft.:</b>	<b>13.30#</b>	<b>Lbs./Ft.</b>
<b>Tube Grade:</b>	<b>S-135</b>	
<b>Connection:</b>	<b>HT-38</b>	
<b>Tube Specifications</b>		
<b>Inside Diameter:</b>	<b>2.764</b>	<b>In.</b>
<b>Wall Thickness:</b>	<b>0.368</b>	<b>In.</b>
<b>Tensile Yield New:</b>	<b>488,820</b>	<b>Lbs.</b>
<b>Premium:</b>	<b>391,056</b>	<b>Lbs.</b>
<b>Torsional Yield New:</b>	<b>33,400</b>	<b>Ft-Lbs.</b>
<b>Premium:</b>	<b>25,900</b>	<b>Ft-Lbs.</b>
<b>PSI Burst (New/Premium):</b>	<b>24840 / 22711</b>	<b>PSI</b>
<b>Collapse (New/Premium):</b>	<b>25404 / 21626</b>	<b>PSI</b>
<b>Engineering Data:</b>		
<b>Drift Diameter:</b>	<b>2.438</b>	<b>In.</b>
<b>Adj. Weight / Foot:</b>	<b>15.17</b>	<b>Lbs./Ft.</b>
<b>Avg Jt Length / Jt Weight:</b>	<b>31'</b>	<b>Feet Lbs.</b>
<b>Displacement(Open):</b>	<b>0.232</b>	<b>Gal./Ft.</b>
	<b>0.552</b>	<b>Bbl./100 Ft.</b>
<b>Capacity:</b>	<b>0.309</b>	<b>Gal./Ft.</b>
	<b>0.736</b>	<b>Bbl./100 Ft.</b>
<b>Connection Specifications</b>		
<b>Outside Diameter:</b>	<b>4 7/8"</b>	<b>In.</b>
<b>Minimum OD</b>	<b>4 19/32"</b>	<b>In.</b>
<b>Inside Diameter:</b>	<b>2 9/16"</b>	<b>In.</b>
<b>Tensile Yield New:</b>	<b>649,200</b>	<b>Lbs.</b>
<b>Premium:</b>	<b>610,248</b>	<b>Lbs.</b>
<b>Torsional Strength New:</b>	<b>29,400</b>	<b>Ft./lbs.</b>
<b>Maximum Torque New:</b>	<b>17,700</b>	<b>Ft./lbs.</b>
<b>Minimum Torque New:</b>	<b>12,200</b>	<b>Ft./lbs.</b>
<b>Make Up Torque:</b>		
<b>ID. Markings:</b>	<b>1 groove</b>	
<b>Minimum usage lengths:</b>	<b>Box 8" Pin 6"</b>	
<b>Special Note:</b>		

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### 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