



# PATTERSON RENTAL TOOLS

## 4.0" 14.00 # S-135 FH Drill Pipe

<b>Product:</b>	<b>4" BN</b>	DP4BNS135W4FH
<b>Tube Size:</b>	<b>4"</b>	<b>In.</b>
<b>Nominal Weight / Ft.:</b>	<b>14#</b>	<b>Lbs./Ft.</b>
<b>Tube Grade:</b>	<b>S-135</b>	
<b>Connection:</b>	<b>NC-40 (4" FH)</b>	
<b>Tube Specifications</b>		
<b>Inside Diameter:</b>	<b>3.340</b>	<b>In.</b>
<b>Wall Thickness:</b>	<b>0.330</b>	<b>In.</b>
<b>Tensile Yield New:</b>	<b>513,600</b>	<b>Lbs.</b>
<b>Premium:</b>	<b>410,880</b>	<b>Lbs.</b>
<b>Torsional Yield New:</b>	<b>41,900</b>	<b>Ft-Lbs.</b>
<b>Premium:</b>	<b>32,800</b>	<b>Ft-Lbs.</b>
<b>PSI Burst (New/Premium):</b>	<b>19491 / 17820</b>	<b>PSI</b>
<b>Collapse (New/Premium):</b>	<b>20141 / 13836</b>	<b>PSI</b>
<b>Engineering Data:</b>		
<b>Drift Diameter:</b>	<b>2.563 (IPC 2.543)</b>	<b>In.</b>
<b>Adj. Weight / Foot:</b>	<b>15.94</b>	<b>Lbs./Ft.</b>
<b>Avg Jt Length / Jt Weight:</b>	<b>31'</b>	<b>Feet Lbs.</b>
<b>Displacement(Open):</b>	<b>0.244</b>	<b>Gal./Ft.</b>
	<b>0.581</b>	<b>Bbl./100 Ft.</b>
<b>Capacity:</b>	<b>0.445</b>	<b>Gal./Ft.</b>
	<b>1.060</b>	<b>Bbl./100 Ft.</b>
<b>Connection Specifications</b>		
<b>Outside Diameter:</b>	<b>5 1/4"</b>	<b>In.</b>
<b>Minimum OD</b>	<b>4 15/16"</b>	<b>In.</b>
<b>Inside Diameter:</b>	<b>2 11/16"</b>	<b>In.</b>
<b>Tensile Yield New:</b>	<b>776,400</b>	<b>Lbs.</b>
<b>Premium:</b>	<b>729,816</b>	<b>Lbs.</b>
<b>Torsional Strength New:</b>	<b>25,700</b>	
<b>Maximum Torque New:</b>	<b>13,500</b>	
<b>Minimum Torque New:</b>	<b>12,800</b>	
<b>Make Up Torque:</b>		
<b>ID. Markings:</b>	<b>1 groove</b>	
<b>Minimum usage lengths:</b>	<b>Box 6 1/8" Pin 4"</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