



# PATTERSON RENTAL TOOLS

## 1 1/2" 3.64# S-135 CS Hydril Type Tubing

<b>Product:</b>	<b>1 1/2"</b>	TUB112CSS135
<b>Tube Size:</b>	<b>1.9"</b>	<b>In.</b>
<b>Nominal Weight / Ft.:</b>	<b>3.64</b>	<b>Lbs./Ft.</b>
<b>Tube Grade:</b>	<b>S-135</b>	
<b>Connection:</b>	<b>1 1/2" CS HYD.</b>	
<b>Hard Banding/Coating:</b>	<b>NONE</b>	
<b>Tube Specifications</b>		
<b>Inside Diameter:</b>	<b>1.5"</b>	<b>In.</b>
<b>Wall Thickness:</b>	<b>.200"</b>	<b>In.</b>
<b>Tensile Yield New:</b>	<b>144,000</b>	<b>Lbs.</b>
<b>Premium:</b>	<b>115,200</b>	<b>Lbs.</b>
<b>PSI Burst (New / Test):</b>	<b>24,870/19,800</b>	<b>PSI</b>
<b>Collapse (100% / 80%):</b>	<b>25,430/20,344</b>	<b>PSI</b>
<b>Engineering Data:</b>		
<b>Drift Diameter:</b>	<b>1.406"</b>	<b>In.</b>
<b>Average Joint Length :</b>	<b>31</b>	<b>Feet</b>
<b>Displacement(Open):</b>	<b>0.055</b>	<b>Gal./Ft.</b>
	<b>0.131</b>	<b>Bbl./100 Ft.</b>
<b>Capacity:</b>	<b>0.091</b>	<b>Gal./Ft.</b>
	<b>0.217</b>	<b>Bbl./100 Ft.</b>
<b>Connection Specifications</b>		
<b>Outside Diameter:</b>	<b>2.162"</b>	<b>In.</b>
<b>Inside Diameter:</b>	<b>1.44"</b>	<b>In.</b>
<b>Make Up Min:</b>	<b>800</b>	<b>Ft-Lbs</b>
<b>Make Up Max:</b>	<b>1,000</b>	<b>Ft-Lbs</b>
<b>ID. Markings:</b>	<b>2 GROOVES 1/2" APART</b>	
<b>Stencil Markings:</b>		
<b>Torsional Yield:</b>	<b>3,283</b>	<b>Ft-Lbs</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