



PATTERSON RENTAL TOOLS

3 1/2" 9.30# P-110 8RD Tubing

| | | |
|---------------------------|---------------|--------------|
| Product: | 3 1/2" | |
| Tube Size: | 3 1/2" | In. |
| Nominal Weight / Ft.: | 9.3 | Lbs./Ft. |
| Tube Grade: | P-110 | |
| Connection: | 8 RD | |
| Hard Banding/Coating: | NONE | |
| Tube Specifications | | |
| Inside Diameter: | 2.992" | In. |
| Wall Thickness: | .254" | In. |
| Tensile Yield New: | 284,900 | Lbs. |
| Premium: | 227,920 | Lbs. |
| PSI Burst (New): | 13,970 | PSI |
| Collapse (100% / 80%): | 13530 / 10824 | PSI |
| Engineering Data: | | |
| Drift Diameter: | 2.867" | In. |
| Average Joint Length : | 31 | Feet |
| Displacement(Open): | 0.134 | Gal./Ft. |
| | 0.319 | Bbl./100 Ft. |
| Capacity: | 0.365 | Gal./Ft. |
| | 0.869 | Bbl./100 Ft. |
| Connection Specifications | | |
| Outside Diameter: | 4.180 "(SCC) | In. |
| Inside Diameter: | 2.992" | In. |
| Make Up Min: | 4,050 | Ft-Lbs |
| Make Up Max: | 4,050 | Ft-Lbs |
| ID. Markings: | NONE | |
| Stencil Markings: | "P" | |
| Special Note: | | |

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Patterson Services, Inc.
15015 Vickery Drive
Houston, Texas 77032
Phone 281.875.4006
Fax 281.875.2030

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