



PATTERSON RENTAL TOOLS

4 1/2" 15.50# P-110 PH-6 Hydril Type Tubing

Product:	4 1/2"	TUB412PH6
Tube Size:	4 1/2"	In.
Nominal Weight / Ft.:	15.50	Lbs./Ft.
Tube Grade:	P-110	
Connection:	PH-6	
Hard Banding/Coating:	NONE	
Tube Specifications		
Inside Diameter:	3.826"	In.
Wall Thickness:	.337"	In.
Tensile Yield New:	485,000	Lbs.
Premium:	388,000	Lbs.
PSI Burst (New / Test):	14420 / 10,500	PSI
Collapse (100% / 80%):	14340 / 11472	PSI
Engineering Data:		
Drift Diameter:	3.701"	In.
Average Joint Length :	31	Feet
Displacement(Open):	0.229	Gal./Ft.
	0.545	Bbl./100 Ft.
Capacity:	0.598	Gal./Ft.
	1.424	Bbl./100 Ft.
Connection Specifications		
Outside Diameter:	5.125"	In.
Inside Diameter:	3.765"	In.
Make Up Min:	7,500	Ft-Lbs
Make Up Max:	9,375	Ft-Lbs
ID. Markings:	2 GROOVES	
Stencil Markings:	"P"	
Torsional yield:	30,514	Ft-Lbs

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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