



PATTERSON RENTAL TOOLS

1 1/2" 3.64# P-110 CS Hydril Type Tubing

Product:	1 1/2"	TUB112CSP110
Tube Size:	1.9"	In.
Nominal Weight / Ft.:	3.64	Lbs./Ft.
Tube Grade:	P-110	
Connection:	1 1/2" CS HYD.	
Hard Banding/Coating:	NONE	
Tube Specifications		
Inside Diameter:	1.5"	In.
Wall Thickness:	.200"	In.
Tensile Yield New:	117,000	Lbs.
Premium:	93,600	Lbs.
PSI Burst (New / Test):	20260 / 18500	PSI
Collapse (100% / 80%):	20720 / 16576	PSI
Engineering Data:		
Drift Diameter:	1.406"	In.
Average Joint Length :	31	Feet
Displacement(Open):	0.055	Gal./Ft.
	0.131	Bbl./100 Ft.
Capacity:	0.091	Gal./Ft.
	0.217	Bbl./100 Ft.
Connection Specifications		
Outside Diameter:	2.162"	In.
Inside Diameter:	1.44"	In.
Make Up Min:	800	Ft-Lbs
Make Up Max:	1,000	Ft-Lbs
ID. Markings:	2 GROOVES	
Stencil Markings:	"P"	
Torsional Yield:	2,675	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