



PATTERSON RENTAL TOOLS

3 1/2" BN 13.30# S-135 3 1/2" IF Drill Pipe

Product:	3 1/2" BN	DP312BNS1351330
Tube Size:	3 1/2"	In.
Nominal Weight / Ft.:	13.30#	Lbs./Ft.
Tube Grade:	S-135	
Connection:	NC-38 (3 1/2" IF)	
Tube Specifications		
Inside Diameter:	2.764	In.
Wall Thickness:	0.368	In.
Tensile Yield New:	488,820	Lbs.
Premium:	391,056	Lbs.
Torsional Yield New:	33,400	Ft-Lbs.
Premium:	25,900	Ft-Lbs.
PSI Burst (New/Premium):	24840 / 22711	PSI
Collapse (New/Premium):	25404 / 21626	PSI
Engineering Data:		
Drift Diameter:	2.438	In.
Adj. Weight / Foot:	14.82	Lbs./Ft.
Avg Jt Length / Jt Weight:	31'	Feet Lbs.
Displacement(Open):	0.227	Gal./Ft.
	0.540	Bbl./100 Ft.
Capacity:	0.309	Gal./Ft.
	0.736	Bbl./100 Ft.
Connection Specifications		
Outside Diameter:	4 7/8"	In.
Minimum OD	4 19/32"	In.
Inside Diameter:	2 9/16"	In.
Tensile Yield New:	649,200	Lbs.
Premium:	610,248	Lbs.
Torsional Strength New:	20,200	Ft./lbs.
Maximum Torque New:	10,700	Ft./lbs
Minimum Torque New :	10,100	Ft./lbs.
Make Up Torque:		
ID. Markings:	1 groove, pin end	
Stencil Markings:	S-2 in pin slot	
Minimum usage lengths:	Box 5 5/8" Pin 4"	

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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