



PATTERSON RENTAL TOOLS

4 1/2" BN SHWDP W/4 1/2" XH

Product:	4 1/2" BN SHWDP	HWS412XH
Tube Size:	5"	In.
Nominal Weight/JT	1,412	Lbs
Connection:	4 1/2" XH	
Engineering Data:		
Drift Diameter:	2.5	In.
Adj. Weight / Foot:	46.3#	Lbs./Ft.
Avg Jt Length	30'	Feet
Displacement(Open):	0.672	Gal./Ft.
	1.601	Bbl./100 Ft.
Capacity:	0.308	Gal./Ft.
	0.735	Bbl./100 Ft.
Connection Specifications		
Outside Diameter:	6 1/4"	In.
Minimum OD	6"	In.
Inside Diameter:	2 3/4"	In.
Tensile Yield New:	548,060	Lbs.
Torsional Strength New:	44,400	Ft/lbs.
Make Up Torque Min New:	22,200	Ft/lbs.
Make Up Torque Max New:	26,600	Ft/lbs.
Special Note:		
Minimum length Box:	7 "	
Minimum length Pin:	7 "	

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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