

PATTERSON RENTAL TOOLS

TUB238PH6P110BANDED



2 3/8" 5.95# P-110 PH-6 Hydril Type Tubing w/ Hardband

Tube Size:	2 3/8	in
Nominal Weight / Ft.	5.95	lbs/ft
Tube Grade:	P-110	
Connection:	PH-6	
Hard Banding/Coating	HARDBANDED	
Stencil Markings:	"P"	
ID Markings:	2 GROOVES	
TUBULAR SPECIFICATIONS		
Tube OD:	2.375	in
Tube ID:	1.867	in
Grade:	P-110	
Wall:	0.254	in
Drift OD:	1.773	in
Yield in Tension:	186,000	lbs
Burst Pressure Yield:	20,590	psi
Collapse Pressure Yield:	21,010	psi
Tube Compression Yield:	186,000	lbs
Torsion Yield:	8,600	ft-lbs
Bending Yield:	212	°/100ft
CONNECTION SPECIFICATIONS		
Connection OD:	2.906	in
Connection ID:	1.805	in
Make-Up Loss:	3.050	in
Tension Efficiency:	110	%
Connection Burst Yield:	20,590	psi
Connection Collapse Yield:	21,010	psi
Connection Compression Yield:	211,250	lbs
Connection Torsion Yield:	6,779	ft-lbs
Connection Bend Yield	271.5	°/100ft
¹ Rotating Operational Torque:	4,406	ft-lbs
MAKE-UP TORQUE		
Minimum Make-Up Torque:	2,700	ft-lbs
Optimum Make-Up Torque:	3,038	ft-lbs
Maximum Make-Up Torque:	3,375	ft-lbs

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¹Rotating Operational Torque is provided to allow for additional rotating torque if needed based on well conditions. Operational torque is not to be applied with tongs at the rotary, but with rotating equipment used to rotate the tubing in the well. Maximum make up torque should be applied at the rotary with calibrated tubing tongs before operational torque is applied to the tubing. Breakout torque will be approximately 80% of the maximum operational torque applied to the tubing. Extra care will need to be taken during the breakout process to prevent damage to the tubing and tubing handling equipment. Operational Torque is based on 65% of the connection's torsion yield.