



## SPECIFICATION SHEET

MIN. WALL THICKNESS: 87.5%

3-1/2" P-110 9.2 LBS/FT, HYDRIL 511 TUBING

### PIPE BODY DATA

NOMINAL OD (in.)	3.5
NOMINAL ID (in.)	2.992
NOMINAL WEIGHT (lbs/ft)	9.2
AVERAGE JOINT WEIGHT (lbs)	294.4
AVERAGE LENGTH	Range 2
PIPE GRADE	P-110
NOMINAL WALL (in.)	0.254
TUBE DRIFT (in.)	2.867
BODY YIELD STRENGTH (lbs)	252,000
COLLAPSE (psi)	13,100
INTERNAL YIELD (psi)	14,000
SPECIFIED MINIMUM YIELD STRENGTH (psi)	110,000
CAPACITY (BBL./LIN. FT.)	0.0087
CAPACITY (LIN. FT./BBL.)	114.99

### CONNECTION DATA

CONNECTION	HYDRIL 511
CONNECTION OD (in.)	3.5
CRITICAL SECTION AREA (sq. in.)	1.578
CONNECTION ID (in.)	2.897
COMPRESSION STRENGTH (lbs)	205,000
EXTERNAL PRESSURE CAPACITY (psi)	13,530
INTERNAL PRESSURE CAPACITY (psi)	13,970
JOINT YIELD STRENGTH (lbs)	174,000
BENDING (100 ft)	88 degrees
MAKE-UP TORQUE MINIMUM (ft-lbs)	1200
MAKE-UP TORQUE OPTIMUM (ft-lbs)	1400
MAKE-UP TORQUE MAXIMUM (ft-lbs)	2100

**Note:** All used figures have **NO** safety factor included for tension, temperature, or general S.F. etc.

**Note:** All proprietary connection data obtained from [premiumconnectiondata.tenaris.com](http://premiumconnectiondata.tenaris.com)

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