



## CONNECTION PERFORMANCE DATA

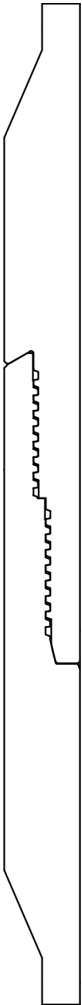
2 7/8 in

7.90 lbs/ft

P110

BTS-6

The Benoit BTS-6 is a 6-pitch, integral premium upset two-step connection that utilizes one of the industry's most-tested designs. The BTS-6 is a modified non-interference thread which eliminates high connection stress and galling. The two-step geometry helps eliminate cross-threading and prevents damage to the thread during stabbing and impact loading.



### TUBULAR DATA

TUBE O.D.	2.875	in
TUBE I.D.	2.323	in
TUBE WALL	0.276	in
DRIFT DIA.	2.229	in
PIPE BODY CSA	2.254	in <sup>2</sup>
TENSION YLD.	247,900	lbs
COMPRESSION YLD.	247,900	lbs
INTERNAL PRESSURE YLD.	18,480	psi
COLLAPSE PRESSURE YLD.	19,090	psi
BENDING YLD.	175.0	°/100ft
TORSION YLD.	14,160	ft-lb

### CONNECTION DATA

CONNECTION O.D.	3.438	in	
CONNECTION I.D.	2.265	in	
S/C DIA.	3.312	in	
MAKE-UP LOSS	3.040	in	
CONNECTION CSA	2.382	in <sup>2</sup>	
STRING LENGTH (1.6 S/F)	19,620	ft	
TENSION YLD.	267,700	lbs	108.00% eff
COMPRESSION YLD.	284,042	lbs	115.00% eff
INTERNAL PRESSURE YLD.	18,480	psi	
COLLAPSE PRESSURE YLD.	19,090	psi	
BENDING YLD.	210.3	°/100ft	
TORSION YLD.	10,848	ft-lb	
OPERATING TORQUE	8,678	ft-lb	

### MAKE-UP TORQUE

MINIMUM MAKE-UP TORQUE	3,500	ft-lb
OPTIMUM MAKE-UP TORQUE	3,938	ft-lb
MAXIMUM MAKE-UP TORQUE	4,375	ft-lb

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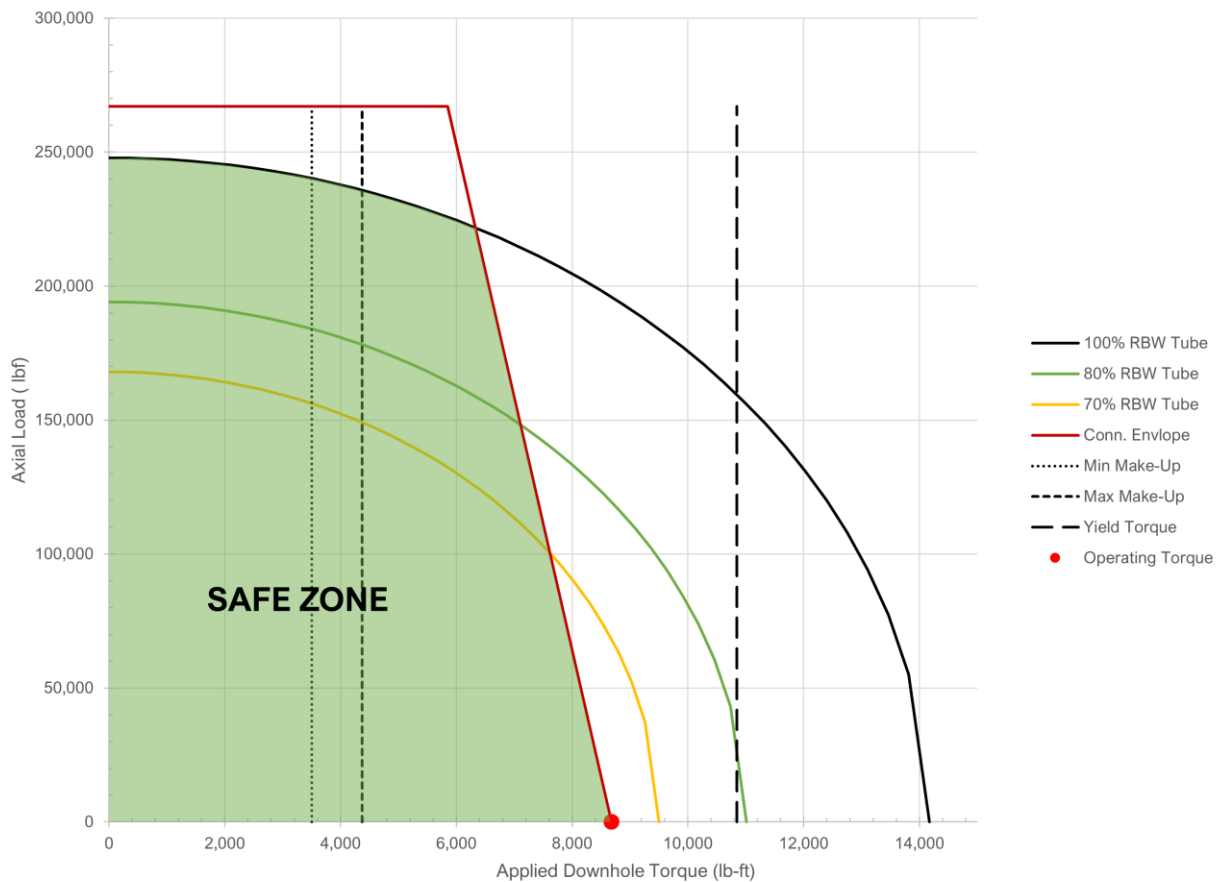


**TECHNICAL NOTE:**

Torque-Tension Performance Envelope  
2.875" 7.90# P-110 BTS-6

The chart below is intended to help customers better understand the performance capabilities of the BTS-6 connection while applying torque to rotate downhole. The chart and the information included do not consider bending, compression, thermal effects or counter-rotation. It is the sole-responsibility of the operator to understand how those critical factors will change the data included below.

The "Safe Zone" shows the allowed Torque-Tension loads where the connection is safe to rotate at downhole after the connection was successfully assembled within the make-up torque range. The connection is allowed to rotate higher than the torque used at make-up so long as the applied torque and tension falls within the safe zone.



For additional information or technical support, please contact Benoit's technical sales group at (985) 872-9052.