



Casing Specification & Performance Data Sheet

7", 32.00#, 0.453", P110, R3
VAM TOP HC - 7.717" x 6.059"

QT Item #: 9166

Tube / Pipe Body Specification			Tubular Assembly			Tube / Pipe Body Performance		
OD:	7.000	in	Length (approximate):	40 – 43	ft	Inspection Class:	Premium Class 80%	
ID:	6.094	in	Fluid Capacity:	0.0361	bbbls/ft	Remaining Body Wall:	0.362	in
Weight (nominal):	32.00	in	Bending Yield:	72	°/100 ft	Tensile Strength:	808,580	lbs
Grade:	P110	lbs/ft	Compression Strength:	808,580	lbs	Burst Capacity:	11,390	psi
Wall Thickness:	0.453		An oilfield barrel equals 42 US gallons.			Collapse Capacity:	6,730	psi
Range:	R3							

Notes:

- Dimensions, wall thickness, and assembly lengths shown above are nominal if not otherwise stated.
- Values shown may vary with actual values due to OEM tolerances, rounding, and other factors.
- Fluid Capacity calculation is best estimate.

Connection / Tool Joint Specification			Connection Make-Up Torque		
Connection:	VAM TOP HC		Thread Compound Friction Friction Factor:	1.0	FF
OD:	7.717	in	Maximum Make-Up Torque ¹ :	21,450	ft-lbs
ID:	6.059	in	Optimum Make-Up Torque:	19,550	ft-lbs
Drift (With ID Coating):	5.969	in	Minimum Make-Up Torque:	17,650	ft-lbs
Make-Up Loss:	4.775	in			

Notes:

- Above dimensions are nominal.
- The following items are registered trademarks of Vallourec/VAM: VAM® TOP HC

Notes:

¹Maximum torque is that value above which there is no additional benefit, or reason to exceed. It is not meant to indicate the maximum torque the connection can withstand.



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Uncontrolled When Printed

QT-CS 7.000 32.00 P VAM TOP HC 7.717 x 6.059 R3 80RBW

Generated on: 10/25/2022

Tubular Performance Specifications

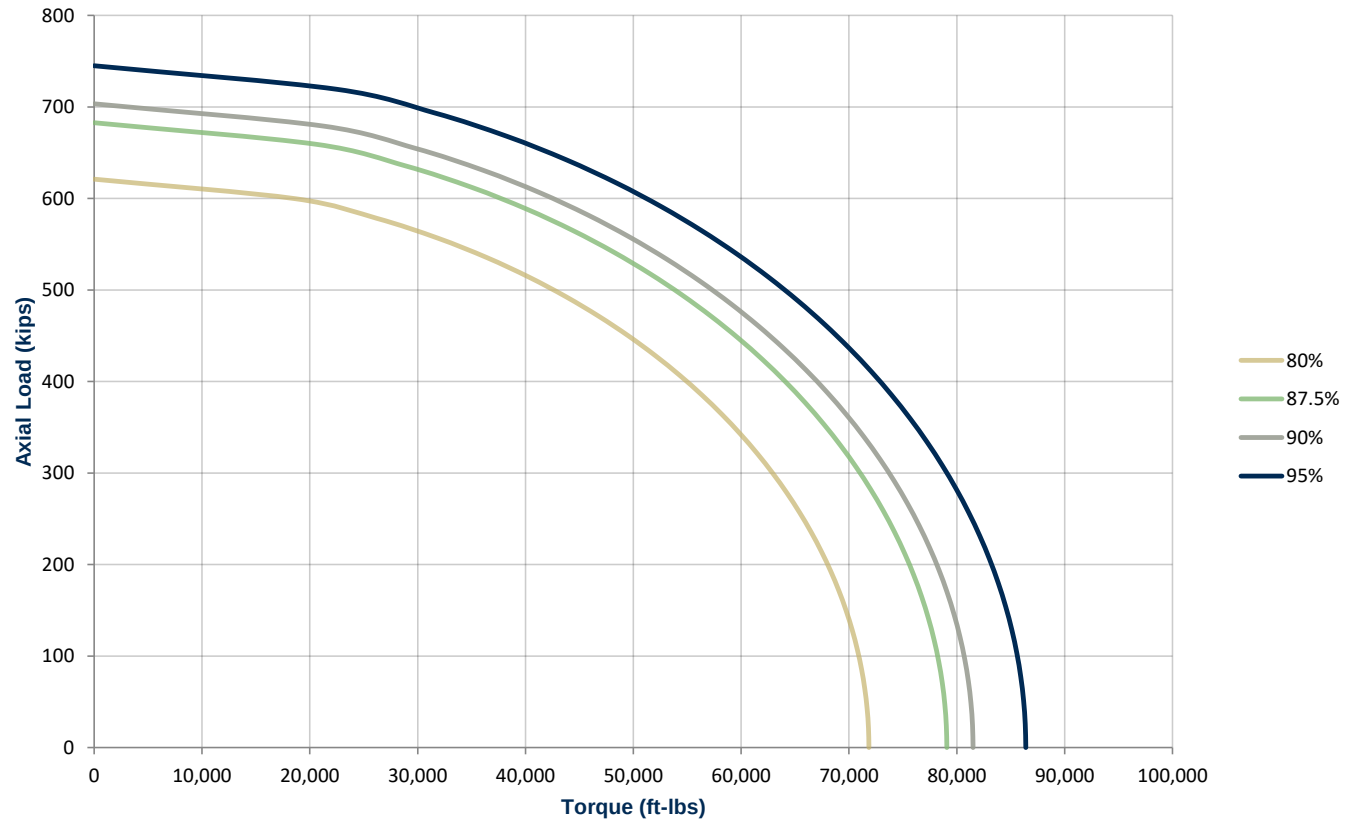
7", 32.00#, 0.453", P110, R3

VAM TOP HC - 7.717" x 6.059"

Tube	Grade	RBW	Tensile	Torsional	Collapse	Burst
7", 32.00#	P110	80%	808,580	119,210	6,730	11,390
		87.5%	889,030	131,230	8,280	12,460
		90%	916,030	135,270	8,780	12,810
		95%	970,290	143,400	9,790	13,530

-Always confirm the inspection performed on tube meets the RBW criteria that is being used.
 -Pipe inspected to 80% RBW premium class unless otherwise specified.

Von Mises



Von Mises plot for reference only. The plot only considers the tube, not the entire assembly. Tube calculations based on nominal ID and inspection class for RBW - consistent with industry standards. The effects of pressure, internal or external, are excluded from this calculation. Field dimensions may vary. It is up to the discretion of the operator/end user to determine the applicability of these values. Further, application specific, consultation is available through Technical Services (techserv@quailtools.com).