

CASING TECHNICAL DATA SHEET
5.5 x 0.304 HCL80 Rattler

Reviewed by: Sr. Quality Engineer
Approved by: Corporate Director-QEHS

TDS Date (MM/DD/YY)

10-17-24

PIPE BODY DATA

Nominal Outside Diameter
Nominal Wall Thickness
Remaining Body Wall (RBW)
Type of Thread
Grade

Label Weight
Plain End Weight
Pipe Minimum Yield
Pipe Maximum Yield
Pipe Minimum Tensile
Standard Drift Diameter (min)
Alternate Drift Diameter (min)
Pipe Body Plain End Yield
Pipe Body Internal Yield
Collapse Pressure - Standard
Collapse Pressure - High

CONNECTION DATA

Coupling Minimum Yield
Coupling Maximum Yield
Coupling Minimum Tensile
Coupling or Joint Outside Diameter (nom)
Coupling Thread Fracture Strength
Pipe Thread Fracture Strength
Pull Out Strength
Nominal Make-Up Torque or Make-up Torque Range
Coupling Internal Yield
Internal Yield of Joint

WELED TUBE GENERAL INPUT CRITERIA

Coupling Color Code
Coupling Color Code for the Band
Pipe Color Code Identification
Additional Color Band (approx. 10' from box end)

Note:

Unit	Imperial	Metric	Unit
in	5.500	139.70	mm
in	0.304	7.72	mm
	95.0%	95.0%	
	Rattler	Rattler	
	HCL80	HCL80	
	17.00	17.00	
lb/ft	16.89	25.13	kg/m
ksi	80	552	MPa
ksi	95	655	MPa
ksi	95	655	MPa
in	4.767	121.08	mm
in	N/A	N/A	mm
lb	397,000	180,080	kg
psi	8,400	57,920	kPa
psi	N/A	N/A	kPa
psi	7,200	49,640	kPa
ksi	See Next Page	See Next Page	MPa
ksi	See Next Page	See Next Page	MPa
ksi	See Next Page	See Next Page	MPa
in	See Next Page	See Next Page	mm
lb	See Next Page	See Next Page	kg
lb	See Next Page	See Next Page	kg
lb	See Next Page	See Next Page	kg
ft-lb	See Next Page	See Next Page	N-m
psi	See Next Page	See Next Page	kPa
psi	See Next Page	See Next Page	kPa

2" Band(s)	Red
	One Brown
	One Red, One Brown
	Blue

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5.500 x 17.00# L-80 HC (Welded Tube Pipe Body) Rattler® (95% RBW)

Pipe Body Data

Nominal OD	5.500	Inches
Wall Thickness	0.304	Inches
Weight	17.00	lb/ft
PE Weight	16.89	lb/ft
Nominal ID	4.892	Inches
Drift	4.767	Inches
Minimum Yield Strength	80,000	PSI
Minimum Tensile Strength	95,000	PSI
RBW	95.0%	Rating

Connection Data

Connection OD	6.300	Inches
Connection ID	4.892	Inches
Make-Up Loss	4.175	Inches
Tension Efficiency	100%	Rating
Compression Efficiency	100%	Rating
Yield Strength in Tension	397,000	LBS.
Yield Strength in Compression	397,000	LBS.
MIYP (Burst)	8,400	PSI
Collapse	7,200	PSI
Uniaxial Bending	66.7	°/100 FT

Make-Up Torque

Yield Torque	20,000	FT-LBS.
Max Operating Torque	17,000	FT-LBS.
Max Make-Up	11,500	FT-LBS.
Optimum Make-Up	10,000	FT-LBS.
Minimum Make-Up	8,500	FT-LBS.



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For Technical Support please email support@fermata-tech.com or call (281) 941-5257.

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