

TDS Date (MM/DD/YY)

7/9/24

**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	4.500	114.30	mm
in	0.337	8.56	mm
	95.0%	95.0%	
	Rattler	Rattler	
	HPP110	HPP110	
	15.10	15.10	
lb/ft	15.00	22.32	kg/m
ksi	125	862	MPa
ksi	140	965	MPa
ksi	125	862	MPa
in	3.701	94.00	mm
in	N/A	N/A	mm
lb	551,000	249,930	kg
psi	17,790	122,660	kPa
psi	N/A	N/A	kPa
psi	16,290	112,320	kPa

ksi	See Next Page	See Next Page	MPa
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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

	White
	None
2" Band(s)	One White
	Orange

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## 4.500 x 15.10# P-110 HP Rattler® 95% RBW (Welded Tube Pipe Body)

### Pipe Body Data

Nominal OD	4.500	Inches
Wall Thickness	0.337	Inches
Weight	15.10	lb/ft
PE Weight	15.00	lb/ft
Nominal ID	3.826	Inches
Drift	3.701	Inches
Minimum Yield Strength	125,000	PSI
Minimum Tensile Strength	125,000	PSI
RBW	95.0%	Rating

### Connection Data

Connection OD	5.250	Inches
Connection ID	3.826	Inches
Make-Up Loss	3.988	Inches
Tension Efficiency	100%	Rating
Compression Efficiency	100%	Rating
Yield Strength in Tension	551,000	LBS.
Yield Strength in Compression	551,000	LBS.
MIYP (Burst)	17,790	PSI
Collapse	16,290	PSI
Uniaxial Bending	127.4	°/100 FT

### Make-Up Torque

Yield Torque	22,000	FT-LBS.
Max Operating Torque	18,700	FT-LBS.
Max Make-Up	13,900	FT-LBS.
Optimum Make-Up	12,100	FT-LBS.
Minimum Make-Up	10,300	FT-LBS.



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

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