

CASING TECHNICAL DATA SHEET
4.5 x 0.337 HCP110 Rattler

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

TDS Date (MM/DD/YY)

11-7-25

PIPE BODY DATA

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

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

WELDED 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:

Welded Tube has issued this document for general information only. This does not constitute a warranty, MTR, certificate of compliance, or similar. The content of this technical data sheet shall be reviewed by the user for verification of suitability and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. Welded Tube disclaims any and all expressed or implied warranties of fitness for particular application.

Welded Tube has the right to change this data at any time as an improvement of the product or process.

This is an un-controlled document.

Unit	Imperial	Metric	Unit
in	4.500	114.30	mm
in	0.337	8.56	mm
	95.0%	95.0%	
	Rattler	Rattler	
	HCP110	HCP110	
	11th Edition	11th Edition	
	15.10	22.47	
lb/ft	15.00	22.32	kg/m
ksi	110	758	MPa
ksi	140	965	MPa
ksi	125	862	MPa
in	3.701	94.00	mm
in	N/A	N/A	mm
lb	485,000	219,990	kg
psi	15,650	107,900	kPa
psi	N/A	N/A	kPa
psi	15,130	104,320	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

	White
	None
2" Band(s)	One White
	Blue

Connection Data Sheet

Issued on: Nov. 07, 2025

T&C

Rattler®

OD
4.500 in.

Weight
15.10 lb/ft

Wall Thickness
0.337 in. **P-110 HC (Welded
Tube Pipe Body)**

RBW
95.0%

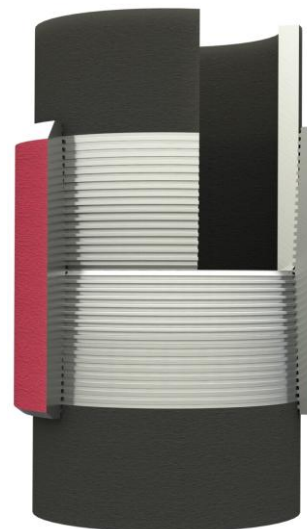
Special Clearance
NA

Pipe Body Data

Nominal OD 4.500 in.	Nominal ID 3.826 in.
Weight 15.10 lb/ft	PE Weight 15.00 lb/ft
Wall Thickness 0.337 in.	Remaining Body Wall (RBW) 95.0%
Minimum Yield Strength 110,000 psi	Minimum Tensile Strength 125,000 psi
Drift 3.701 in.	

Connection Data

Connection OD 5.250 in.	Connection ID 3.826 in.
Make-up Loss 3.988 in.	Uniaxial Bending 112.0 °/100ft.
MIYP (Burst) 15,650 psi	Collapse *15,130 psi
Tension Efficiency 100.0%	Yield Strength Tension 485,000 lbs
Compression Efficiency 100.0%	Yield Strength Compression 485,000 lbs



Make-Up Torque

Maximum		12,300 ft. lbs
Optimum		10,700 ft. lbs
Minimum		9,100 ft. lbs

Torque Limits

Yield Torque		18,500 ft. lbs
Operating Torque		16,600 ft. lbs

For technical support please email:
support@fermata-connections.com
or call: **(281) 941-5257**

Connection performance values pertain to structural capacity.

Keep operational torque jumps under the Yield Torque – not to be rotated at. The operating torque limit applies to the unloaded case – torque-tension plots are available on request.

This document is for general information only. It is not intended to be used or relied upon as a recommendation or professional advice for any specific application and is subject to change without notice. Anyone who uses this material does so at their own right and assumes any and all liability resulting from such use.

*Collapse value shown is the calculated API collapse and not the specific high collapse value. The actual collapse rating is 100% of pipe body and will vary depending on the mill. Verify the collapse rating of the pipe body with the manufacturer.