

**CASING TECHNICAL DATA SHEET**  
**5.5 x 0.361 HPP110 GBCD**

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

TDS Date (MM/DD/YY)

12-9-25

**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:**

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Unit	Imperial	Metric	Unit
in	5.500	139.70	mm
in	0.361	9.17	mm
	95.0%	95.0%	
	GBCD	GBCD	
	HPP110	HPP110	
	11th Edition	11th Edition	
	20.00	29.76	
lb/ft	19.83	29.52	kg/m
ksi	125	862	MPa
ksi	140	965	MPa
ksi	125	862	MPa
in	4.653	118.18	mm
in	N/A	N/A	mm
lb	729,000	330,670	kg
psi	15,590	107,490	kPa
psi	N/A	N/A	kPa
psi	13,150	90,670	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
	Orange

## GB Connection Performance Properties Sheet

Rev. 2 (12/09/2025)

ENGINEERING THE RIGHT CONNECTIONS™

Casing: 5.5 OD, 20 ppf  
Casing Grade: WTC P110 HP (95%RBW)

Connection: GB CD Butt 6.300  
Coupling Grade: API P-110

PIPE BODY GEOMETRY					
Nominal OD (in.)	5 1/2	Wall Thickness (in.)	0.361	Drift Diameter (in.)	4.653
Nominal Weight (ppf)	20.00	Nominal ID (in.)	4.778	API Alternate Drift Dia. (in.)	N/A
Plain End Weight (ppf)	19.83	Plain End Area (in. <sup>2</sup> )	5.828		

PIPE BODY PERFORMANCE**					
Material Specification	WTC P110 HP (95%RBW)	Min. Yield Str. (psi)	125,000	Min. Ultimate Str. (psi)	125,000
<b>Collapse</b>		<b>Tension</b>		<b>Pressure</b>	
API (psi)	12,080	Pl. End Yield Str. (kips)	729	Min. Int. Yield Press. (psi)	15,590
High Collapse (psi)	13,150	<b>Torque</b>		<b>Bending</b>	
		Yield Torque (ft-lbs)	84,570	Build Rate to Yield (°/100 ft)	104.2

GB CD Butt 6.300 COUPLING GEOMETRY			
Coupling OD (in.)	6.300	Makeup Loss (in.)	4.2500
Coupling Length (in.)	8.500	Critical Cross-Sect. (in. <sup>2</sup> )	8.527

GB CD Butt 6.300 CONNECTION PERFORMANCE RATINGS/EFFICIENCIES					
Material Specification	API P-110	Min. Yield Str. (psi)	110,000	Min. Ultimate Str. (psi)	125,000
<b>Tension</b>		<b>Efficiency</b>		<b>Bending</b>	
Thread Str. (kips)	685	Internal Pressure (%)	100%	Build Rate to Yield (°/100 ft)	80.0
Min. Tension Yield (kips)	891	External Pressure (%)	100%	<b>Yield Torque</b>	
Min. Tension Ult. (kips)	1,013	Tension (%)	100%	Yield Torque (ft-lbs)	35,440
Joint Str. (kips)	685	Compression (%)	100%		
		Ratio of Areas (Cplg/Pipe)	1.46		

MAKEUP TORQUE					
Min. MU Tq. (ft-lbs)	10,000	Max. MU Tq. (ft-lbs)	20,000	Running Tq. (ft-lbs)	See GBC RP
				Max. Operating Tq. (ft-lbs)*	33,660

Units: US Customary (lbm, in., °F, lbf)

1 kip = 1,000 lbs

\* See Running Procedure for description and limitations.

See attached: Notes for GB Connection Performance Properties.

GBC Running Procedure (GBC RP): [www.gbconnections.com/resources/running-procedures/](http://www.gbconnections.com/resources/running-procedures/)

Blanking Dimensions: [www.gbconnections.com/resources/documentation/#blanking-dimensions](http://www.gbconnections.com/resources/documentation/#blanking-dimensions)

Connection yield torque rating based on physical testing or extrapolation therefrom

\*\* Casing properties applicable to WTC P110 HP (95%RBW) grade with min. yield 125 ksi.

