



**CASING TECHNICAL DATA SHEET**  
**9.625 x 0.352 J55 GBCD**

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

TDS Date (MM/DD/YY)

7/1/24

**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

Unit	Imperial	Metric	Unit
in	9.625	244.48	mm
in	0.352	8.94	mm
	95.0%	95.0%	
	GBCD	GBCD	
	J55	J55	
	36.00	36.00	
lb/ft	34.89	51.93	kg/m
ksi	55	379	MPa
ksi	80	552	MPa
ksi	75	517	MPa
in	8.765	222.63	mm
in	N/A	N/A	mm
lb	564,000	255,830	kg
psi	3,820	26,340	kPa
psi	2,020	13,930	kPa
psi	N/A	N/A	kPa

**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

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

**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)

2" Band(s)

Bright Green
One White
One Bright Green
N/A

Note:

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**GB Connection Performance Properties Sheet**

Rev. 0 (07/02/2024)

ENGINEERING THE RIGHT CONNECTIONS

**Casing:** 9.625 OD, 36 ppf  
**Casing Grade\*\*:** WTC J-55 (95% RBW)

**Connection:** GB CD Butt 10.625  
**Coupling Grade:** API K-55

**PIPE BODY GEOMETRY**

Nominal OD (in.)	9 5/8	Wall Thickness (in.)	0.352	Drift Diameter (in.)	8.765
Nominal Weight (ppf)	36.00	Nominal ID (in.)	8.921	API Alternate Drift Dia. (in.)	N/A
Plain End Weight (ppf)	34.89	Plain End Area (in. <sup>2</sup> )	10.254		

**PIPE BODY PERFORMANCE\*\***

Material Specification	WTC J-55 (95% RBW)	Min. Yield Str. (psi)	55,000	Min. Ultimate Str. (psi)	75,000
<b>Collapse</b>		<b>Tension</b>		<b>Pressure</b>	
API (psi)	2,020	Pl. End Yield Str. (kips)	564	Min. Int. Yield Press.** (psi)	3,820
High Collapse (psi)	-	<b>Torque</b>		<b>Bending</b>	
		Yield Torque (ft-lbs)	121,390	Build Rate to Yield (°/100 ft)	26.2

**GB CD Butt 10.625 COUPLING GEOMETRY**

Coupling OD (in.)	10.625	Makeup Loss (in.)	5.0000
Coupling Length (in.)	10.000	Critical Cross-Sect. (in. <sup>2</sup> )	18.501

**GB CD Butt 10.625 CONNECTION PERFORMANCE RATINGS/EFFICIENCIES**

Material Specification	API K-55	Min. Yield Str. (psi)	55,000	Min. Ultimate Str. (psi)	95,000
<b>Tension</b>		<b>Efficiency</b>		<b>Bending</b>	
Thread Str. (kips)	639	Internal Pressure (%)	100%	Build Rate to Yield (°/100 ft)	23.7
Min. Tension Yield (kips)	967	External Pressure (%)	100%	<b>Yield Torque</b>	
Min. Tension Ult. (kips)	1,670	Tension (%)	100%	Yield Torque (ft-lbs)	42,980
Joint Str. (kips)	639	Compression (%)	100%		
		Ratio of Areas (Cplg/Pipe)	1.80		

**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)*	40,830

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/pdf/RP-GB-DWC-Connections.pdf](http://www.gbconnections.com/pdf/RP-GB-DWC-Connections.pdf)

Blanking Dimensions: [www.gbconnections.com/pdf/GB-DWC-Blanking-Dimensions.pdf](http://www.gbconnections.com/pdf/GB-DWC-Blanking-Dimensions.pdf)

Connection yield torque rating based on physical testing or extrapolation therefrom

\*\* Casing properties applicable to WTC J-55 (95% RBW) grade with min. yield 55 ksi.

