

TDS Date (MM/DD/YY)

5-8-26

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	7.000	177.80	mm
in	0.408	10.36	mm
	95.0%	95.0%	
	GBCD	GBCD	
	EPL80	EPL80	
	11th Edition	11th Edition	
	29.00	43.16	
lb/ft	28.75	42.78	kg/m
ksi	82	565	MPa
ksi	95	655	MPa
ksi	95	655	MPa
in	6.059	153.90	mm
in	6.125	155.58	mm
lb	693,000	314,340	kg
psi	9,080	62,600	kPa
psi	N/A	N/A	kPa
psi	8,380	57,780	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

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

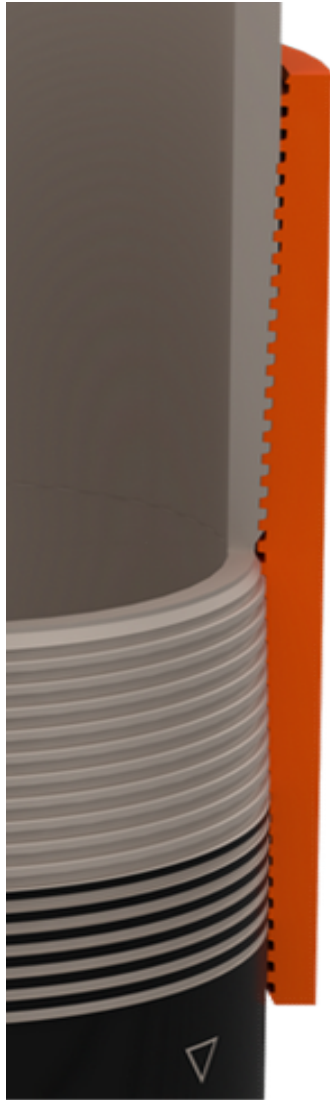
GB Connection Performance Properties Sheet

Rev. 0 (05/08/2026)

ENGINEERING THE RIGHT CONNECTIONS™

Casing: 7 OD, 29 ppf
Casing Grade: WTC EPL80 (95% RBW)

Connection: GB CD Butt 7.875
Coupling Grade: API L-80



PIPE BODY GEOMETRY					
Nominal OD (in.)	7	Wall Thickness (in.)	0.408	Drift Diameter (in.)	6.059
Nominal Weight (ppf)	29.00	Nominal ID (in.)	6.184	API Alternate Drift Dia. (in.)	6.125
Plain End Weight (ppf)	28.75	Plain End Area (in. ²)	8.449		

PIPE BODY PERFORMANCE**					
Material Specification	WTC EPL80 (95% RBW)	Min. Yield Str. (psi)	82,000	Min. Ultimate Str. (psi)	95,000
Collapse		Tension		Pressure	
API (psi)	7,140	Pl. End Yield Str. (kips)	693	Min. Int. Yield Press. (psi)	9,080
High Collapse (psi)	8,380	Torque		Bending	
		Yield Torque (ft-lbs)	103,860	Build Rate to Yield (°/100 ft)	53.7

GB CD Butt 7.875 COUPLING GEOMETRY					
Coupling OD (in.)	7.875	Makeup Loss (in.)	4.6250		
Coupling Length (in.)	9.250	Critical Cross-Sect. (in. ²)	11.894		

GB CD Butt 7.875 CONNECTION PERFORMANCE RATINGS/EFFICIENCIES					
Material Specification	API L-80	Min. Yield Str. (psi)	80,000	Min. Ultimate Str. (psi)	95,000
Tension		Efficiency		Bending	
Thread Str. (kips)	722	Internal Pressure (%)	100%	Build Rate to Yield (°/100 ft)	46.6
Min. Tension Yield (kips)	904	External Pressure (%)	100%	Yield Torque	
Min. Tension Ult. (kips)	1,073	Tension (%)	100%	Yield Torque (ft-lbs)	28,620
Joint Str. (kips)	722	Compression (%)	100%		
		Ratio of Areas (Cplg/Pipe)	1.41		

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)*	27,190

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/

Blanking Dimensions: www.gbconnections.com/resources/documentation/#blanking-dimensions

Connection yield torque rating based on physical testing or extrapolation therefrom

** Casing properties applicable to WTC EPL80 (95% RBW) grade with min. yield 82 ksi.