

CASING TECHNICAL DATA SHEET
7 x 0.362 HCL80 GBCD

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

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	0.362	9.19	mm
	95.0%	95.0%	
	GBCD	GBCD	
	HCL80	HCL80	
	11th Edition	11th Edition	
	26.00	38.69	
lb/ft	25.69	38.21	kg/m
ksi	80	552	MPa
ksi	95	655	MPa
ksi	95	655	MPa
in	6.151	156.24	mm
in	6.226	158.14	mm
lb	604,000	273,970	kg
psi	7,860	54,190	kPa
psi	N/A	N/A	kPa
psi	6,370	43,920	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
	Blue

GB Connection Performance Properties Sheet

Rev. 0 (05/08/2026)

ENGINEERING THE RIGHT CONNECTIONS™

Casing: 7 OD, 26 ppf
Casing Grade: WTC HCL80 (95% RBW)

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

PIPE BODY GEOMETRY					
Nominal OD (in.)	7	Wall Thickness (in.)	0.362	Drift Diameter (in.)	6.151
Nominal Weight (ppf)	26.00	Nominal ID (in.)	6.276	API Alternate Drift Dia. (in.)	6.226
Plain End Weight (ppf)	25.69	Plain End Area (in. ²)	7.549		

PIPE BODY PERFORMANCE**					
Material Specification	WTC HCL80 (95% RBW)	Min. Yield Str. (psi)	80,000	Min. Ultimate Str. (psi)	95,000
Collapse		Tension		Pressure	
API (psi)	5,410	Pl. End Yield Str. (kips)	604	Min. Int. Yield Press. (psi)	7,860
High Collapse (psi)	6,370	Torque		Bending	
		Yield Torque (ft-lbs)	91,720	Build Rate to Yield (°/100 ft)	52.4

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)	641	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)	25,640
Joint Str. (kips)	641	Compression (%)	100%		
		Ratio of Areas (Cplg/Pipe)	1.58		

MAKEUP TORQUE					
Min. MU Tq. (ft-lbs)	9,740	Max. MU Tq. (ft-lbs)	19,480	Running Tq. (ft-lbs)	See GBC RP
				Max. Operating Tq. (ft-lbs)*	24,360

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 HCL80 (95% RBW) grade with min. yield 80 ksi.

