Welded Tube

Fueling Growth, Shaping Futures

CASING TECHNICAL DATA SHEET 5.5 x 0.275 L80 Long Round

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

	TDS Date (MM/DD/YY)	11-5-24			
Nominal Wall Thickness in 0.275 6.99 mm Remaining Body Wall (RBW) 95.0% 95.0% 95.0% 95.0% 95.0% 95.0% 95.0% 95.0% 95.0% 95.0% 95.0% 95.0% 95.0% 0.275 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.90 0.20	PIPE BODY DATA	Unit	Imperial	Metric	Unit
Remaining Body Wall (RBW) 95.0% 95.0% Type of Thread Long Round Long Round Long Round Grade 15.50 15.50 180 Label Weight 10/ft 15.36 1280 Pipe Maximum Yield ksi 80 552 Pipe Maximum Yield ksi 95 655 Pipe Maximum Yield ksi 95 655 Standard Drift Diameter (min) in N/A N/A Pipe Body Plain End Yield psi 7,600 524,00 kPa Collapse Pressure - Standard psi 4,990 34,400 kPa Collapse Pressure - High psi 4,990 34,400 kPa Coupling Minimum Yield ksi 95 655 MP Coupling Minimum Yield ksi 95 655 MP Coupling Minimum Tield ksi 95 655 MP Coupling Minimum Tield ksi 95 655 MP Coupling Orbit Outside Diameter (non) i	Nominal Outside Diameter	in	5.500	139.70	mm
Long Round Long Round Grade 1.80 Label Weight 15.50 Plain End Weight 1b/ft Pipe Minimum Yield ksi Pipe Minimum Tensile ksi Standard Drift Diameter (min) in Atternate Drift Diameter (min) in Pipe Minimum Tensile ksi Standard Drift Diameter (min) in Atternate Drift Diameter (min) in Pipe Bodi Internal Yield psi Ollapse Pressure - Standard psi Collapse Pressure - High psi Coupling Minimum Yield ksi Coupling Maximum Yield ksi Coupling Maximum Yield ksi Coupling Or Joint Outside Diameter (nom) in 6.300 160.02 mm Coupling Or Joint Outside Diameter (nom) in 6.300 Coupling Or Joint Outside Diameter (nom)	Nominal Wall Thickness	in	0.275	6.99	mm
Grade L80 L80 Label Weight 15.50 15.50 Pian End Weight 1b/ft 15.36 22.88 kg/ Pipe Minimum Yield ksi 95 655 MP Pipe Minimum Tensile ksi 95 655 MP Standard Drift Diameter (min) in 4.825 122.54 mm Alternate Drift Diameter (min) in N/A N/A m/A Pipe Body Plain End Yield psi 7,600 163.750 kg Collapse Pressure - Standard psi 4,990 34.400 kPa Collapse Pressure - High psi 80 552 MP Coupling Minimum Yield ksi 80 552 MP Coupling Minimum Yield ksi 80 552 MP Coupling Minimum Yield ksi 95 655 MP Coupling Minimum Yield ksi 95 655 MP Coupling Minimum Yield ksi 95 655 MP	Remaining Body Wall (RBW)		95.0%	95.0%	
Label Weight15.5015.50Plain End Weight15.5015.50Piain End Weightlb/ft15.3622.88Pipe Maximum Yieldksi95655MPPipe Maximum Yieldksi95655MPPipe Minimum Tensileksi95655Standard Drift Diameter (min)in4.825122.54Atternate Drift Diameter (min)inN/AN/AAtternate Drift Diameter (min)inN/AN/AOlapse Pressure - Standardpsi7.60052.400Collapse Pressure - HighpsiN/AN/ACoupling Minimum Yieldksi95655Coupling Minimum Yieldksi95655Coupling Minimum Yieldksi95655Coupling Minimum Yieldksi95655Coupling Minimum Tensileksi95655Coupling Thread Fracture StrengthIb820,000371,950Pipe Thread Fracture StrengthIb298,000135,170Pipe Thread Fracture StrengthIb301,000136,530Pinternal Yieldpsi12,66087,290Nominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080Nominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080Nominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080Nominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080Noupling Color CodeRe	Type of Thread		Long Round	Long Round	
Plain End Weightlb/ft15.3622.88kg/Pipe Minimum Yieldksi80552MPPipe Minimum Tensileksi95665MPStandard Drift Diameter (min)in4.825122.54mmAlternate Drift Diameter (min)inN/AN/AmmPipe Body Internal Yieldlb361.000163.750kgCollapse Pressure - Standardpsi7,60052.400kPaCollapse Pressure - StandardpsiN/AN/AN/ACoupling Minimum Yieldksi956655MPCoupling Minimum Yieldksi80552MPCoupling Minimum Yieldksi956655MPCoupling Minimum Yieldksi95655MPCoupling Minimum Yieldksi95655MPCoupling Minimum Yieldksi95655MPCoupling Minimum Yieldksi95655MPCoupling Thread Fracture Strengthlb820,000371,950kgPipe Thread Fracture Strengthlb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-nCoupling Color CodeRedOne BrownPipe0ne BrownPipePipe Color Code for the BandPipe Color Code for the BandPipe Color Code Identification2" Band(s)One Red, One Brown	Grade		L80	L80	
Pipe Minimum Yield Issi 80 552 MP1 Pipe Maximum Yield ksi 95 6655 MP1 Pipe Minimum Tensile ksi 95 6655 MP1 Standard Drift Diameter (min) in 4.825 122.54 mm1 Alternate Drift Diameter (min) in M.825 122.54 mm1 Collapse Pressure - Standard psi 7,600 52,400 kPa Collapse Pressure - High psi 4,990 34,400 kPa Coupling Minimum Yield ksi 95 655 MPa Coupling Maximum Yield ksi 95 655 MPa Coupling Maximum Yield ksi 95 655 MPa Coupling Or Joint Outside Diameter (nom) in 6.300 <td< td=""><td>Label Weight</td><td></td><td>15.50</td><td>15.50</td><td></td></td<>	Label Weight		15.50	15.50	
Pipe Maximum Yield ksi 95 655 MP4 Pipe Minimum Tensile ksi 95 655 MP4 Standard Drift Diameter (min) in 4.825 122.54 MP4 Alternate Drift Diameter (min) in N/A N/A MM7 Pipe Body Plain End Yield lb 361,000 163,750 kg Pipe Body Internal Yield psi 7,600 52,400 kPa Collapse Pressure - Standard psi 4,990 34,400 kPa Coupling Minimum Yield ksi 95 655 MP4 Coupling Minimum Yield ksi 95 655 MP4 Coupling Minimum Tensile ksi 95 655 MP4 Coupling Maximum Yield ksi 95 655 MP4 Coupling Maximum Yield ksi 95 655 MP4 Coupling Maximum Yield ksi 95 655 MP4 Coupling Torad Fracture Strength lb 820,000 351,170 kg	Plain End Weight	lb/ft	15.36	22.88	kg/1
Pipe Minimum Tensileksi95655MPAStandard Drift Diameter (min)in4.825122.54mmAlternate Drift Diameter (min)inN/AN/AmmPipe Body Plain End YieldIb361.000163.750kgPipe Body Internal Yieldpsi7.60052.400kPaCollapse Pressure - Standardpsi4,99034,400kPaCollapse Pressure - HighpsiN/AN/AkPaCoupling Minimum Yieldksi80552MPaCoupling Minimum Tensileksi95655MPaCoupling or Joint Outside Diameter (nom)in6.300160.02mmCoupling Thread Fracture StrengthIb820,000371,950kgPull Out StrengthIb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-nCoupling Color Codemsi7,60052,400kPaVEDED TUBE GENERAL INPUT CRITERIApsi12,66087,290kPaCoupling Color Code for the Bandpsi7,60052,400kPaPipe Color Code for the BandQre Band(s)One BerownOne BerownPipe Color Code Interfication2" Band(s)One BerownOne Berown	Pipe Minimum Yield	ksi	. 80	552]MPa
Standard Drift Diameter (min)in4.825122.54mmAlternate Drift Diameter (min)inN/AN/APipe Body Plain End Yieldlb361,000163,750Pipe Body Internal Yieldpsi7,60052,400Collapse Pressure - Standardpsi4,99034,400Collapse Pressure - HighpsiN/AN/ACoupling Minimum Yieldksi80552Coupling Maximum Yieldksi95655Coupling Minimum Tensileksi95655Coupling Thread Fracture Strengthlb820,000371,950Pipe Thread Fracture Strengthlb298,000135,170Pull Out Strengthlb301,000136,530Nominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080Nemnal Yield of Jointpsi7,60052,400VELDED TUBE GENERAL INPUT CRITERIApsi7,60052,400VelDeD TUBE General Input CRITERIApsi7,60052,400Pipe Color Code Identification2" Band(s)One Brown0	Pipe Maximum Yield	ksi	. 95	655	MPa
Alternate Drift Diameter (min)in N/A N/A Pipe Body Plain End YieldIb $361,000$ $163,750$ kgPipe Body Internal Yieldpsi $7,600$ $52,400$ kPaCollapse Pressure - Standardpsi $4,990$ $34,400$ kPaCollapse Pressure - Highpsi N/A N/A Coupling Minimum Yieldksi 800 552 Coupling Minimum Yieldksi 95 655 Coupling Minimum Tensileksi 95 6655 Coupling or Joint Outside Diameter (nom)in 6.300 160.02 Coupling Thread Fracture StrengthIb $820,000$ $371,950$ kgPipe Thread Fracture StrengthIb $298,000$ $135,170$ kgPull Out StrengthIb $301,000$ $136,530$ kgNominal Make-Up Torque or Make-up Torque Rangeft-lb $3,010$ $4,080$ N-nCoupling Internal Yieldpsi $7,600$ $52,400$ kPaVELDED TUBE GENERAL INPUT CRITERIApsi $7,600$ $52,400$ kPaVer LDED TUBE General LINPUT CRITERIA 0 One Brown 0 One BrownPipe Color Code Identification $2^{"}$ Band(s)One Red, One Brown	Pipe Minimum Tensile	ksi	95	655	MPa
Pipe Body Plain End YieldIb361,000163,750kgPipe Body Internal Yieldpsi7,60052,400kPaCollapse Pressure - Standardpsi4,99034,400kPaCollapse Pressure - HighpsiN/AN/AkPaConnection DATApsiN/AN/AkPaCoupling Minimum Yieldksi95655MPaCoupling Maximum Yieldksi95655MPaCoupling Minimum Tensileksi95655MPaCoupling Thread Fracture StrengthIb820,000371,950kgPipe Thread Fracture StrengthIb298,000135,170kgPull Out StrengthIb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-1b3,0104,080N-mCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedOne BrownOne BrownPipe Color Code Identification2" Band(s)One Red, One BrownOne Brown	Standard Drift Diameter (min)	in	4.825	122.54	mm
Pipe Body Internal Yieldpsi7,60052,400kPaCollapse Pressure - Standardpsi4,99034,400kPaCollapse Pressure - HighpsiN/AN/AkPaCoupling Pressure - HighpsiN/AN/AkPaCoupling Minimum Yieldksi80552MPaCoupling Maximum Yieldksi95655MPaCoupling Minimum Tensileksi95655MPaCoupling or Joint Outside Diameter (nom)in6.300160.02MPaCoupling Thread Fracture StrengthIb820,000371,950kgPipe Thread Fracture StrengthIb298,000135,170kgPull Out StrengthIb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-mCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedOne BrownPipe Color Code for the BandOne BrownOne BrownPipe Color Code Identification2" Band(s)One Red, One Brown	Alternate Drift Diameter (min)	in	N/A	N/A	mm
Collapse Pressure - Standardpsi4,9903,4400kPaCollapse Pressure - HighpsiN/AN/AkPaCoupling Minimum Yieldksi80552MPaCoupling Minimum Yieldksi95655MPaCoupling Minimum Tensileksi95655MPaCoupling or Joint Outside Diameter (nom)in6.300160.02mmCoupling Thread Fracture Strengthlb820,000371,950kgPipe Thread Fracture Strengthlb298,000135,170kgPull Out Strengthlb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-1b3,0104,080N-mCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedOne BrownPipe Color Code Identification2" Band(s)One Red, One Brown0	Pipe Body Plain End Yield	lb	361,000	163,750	kg
Collapse Pressure - High psi N/A N/A N/A KPa Convection DATA Coupling Minimum Yield ksi 80 552 MPa Coupling Minimum Yield ksi 95 655 MPa Coupling Minimum Tensile ksi 95 655 MPa Coupling Or Joint Outside Diameter (nom) in 6.300 160.02 mm Coupling Thread Fracture Strength Ib 820,000 371,950 kg Pipe Thread Fracture Strength Ib 298,000 135,170 kg Nominal Make-Up Torque or Make-up Torque Range ft-Ib 3,010 4,080 N-m Coupling Internal Yield psi 12,660 87,290 kPa Internal Yield of Joint psi 7,600 52,400 kPa WELDED TUBE GENERAL INPUT CRITERIA One Brown One Brown One Brown One Brown Pipe Color Code Identification 2" Band(s) One Red, One Brown One Brown	Pipe Body Internal Yield	psi	7,600	52,400	kPa
Convection DATA Coupling Minimum Yield ksi Coupling Maximum Yield ksi Coupling Minimum Tensile ksi Coupling Minimum Tensile ksi Coupling Outside Diameter (nom) in Coupling Thread Fracture Strength b Pipe Thread Fracture Strength b Pipe Thread Fracture Strength b Pull Out Strength b Nominal Make-Up Torque or Make-up Torque Range ft-lb Coupling Internal Yield psi Internal Yield of Joint psi WELDED TUBE GENERAL INPUT CRITERIA Coupling Color Code Red One Brown One Brown Pipe Color Code Identification 2" Band(s)	Collapse Pressure - Standard	psi	4,990	34,400	kPa
Coupling Minimum Yieldksi80552MP4Coupling Maximum Yieldksi95655MP4Coupling Minimum Tensileksi95655MP4Coupling or Joint Outside Diameter (nom)in6.300160.02mmCoupling Thread Fracture Strengthlb820,000371,950kgPipe Thread Fracture Strengthlb298,000135,170kgPull Out Strengthlb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-nCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code Identification2" Band(s)One Brown	Collapse Pressure - High	psi	N/A	N/A	kPa
Coupling Maximum Yieldksi95655MP4Coupling Minimum Tensileksi95655MP4Coupling or Joint Outside Diameter (nom)in6.300160.02mmCoupling Thread Fracture Strengthlb820,000371,950kgPipe Thread Fracture Strengthlb298,000135,170kgPull Out Strengthlb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-mCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRed0ne BrownPipe Color Code Identification2" Band(s)One Red, One Brown	CONNECTION DATA				
Coupling Minimum Tensileksi95655MPaCoupling or Joint Outside Diameter (nom)in6.300160.02mmCoupling Thread Fracture Strengthlb820,000371,950kgPipe Thread Fracture Strengthlb298,000135,170kgPull Out Strengthlb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-mCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code Identification2" Band(s)One Red, One Brown	Coupling Minimum Yield	ksi	80	552]MPa
Coupling or Joint Outside Diameter (nom)in6.300160.02mmCoupling Thread Fracture Strengthlb820,000371,950kgPipe Thread Fracture Strengthlb298,000135,170kgPull Out Strengthlb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-nCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code Identification2" Band(s)One Brown	Coupling Maximum Yield	ksi	95	655	MPa
Coupling Thread Fracture Strengthlb820,000371,950kgPipe Thread Fracture Strengthlb298,000135,170kgPull Out Strengthlb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-mCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code Identification2" Band(s)One Red, One Brown	Coupling Minimum Tensile	ksi	95	655	MPa
Pipe Thread Fracture StrengthIb298,000135,170kgPull Out StrengthIb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-Ib3,0104,080N-nCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code for the BandOne BrownPipe Color Code Identification2" Band(s)One Red, One Brown	Coupling or Joint Outside Diameter (nom)	in	6.300	160.02	mm
Pull Out Strengthlb301,000136,530kgNominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-mCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code for the BandOne BrownPipe Color Code Identification2" Band(s)One Red, One Brown	Coupling Thread Fracture Strength	lb	820,000	371,950	kg
Nominal Make-Up Torque or Make-up Torque Rangeft-lb3,0104,080N-mCoupling Internal Yieldpsi12,66087,290kPaInternal Yield of Jointpsi7,60052,400kPaWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code for the BandOne BrownPipe Color Code Identification2" Band(s)One Red, One Brown	Pipe Thread Fracture Strength	lb	298,000	135,170	kg
Coupling Internal Yield psi 12,660 87,290 kPa Internal Yield of Joint psi 7,600 52,400 kPa WELDED TUBE GENERAL INPUT CRITERIA Coupling Color Code Red Red Coupling Color Code for the Band One Brown One Brown Pipe Color Code Identification 2" Band(s) One Red, One Brown	Pull Out Strength	lb	301,000	136,530	kg
Internal Yield of Joint psi 7,600 52,400 kPa WELDED TUBE GENERAL INPUT CRITERIA Coupling Color Code Coupling Color Code for the Band Pipe Color Code Identification 2" Band(s) One Red, One Brown	Nominal Make-Up Torque or Make-up Torque Rar	nge ft-1b	3,010	4,080	N-m
WELDED TUBE GENERAL INPUT CRITERIA Coupling Color Code Red Coupling Color Code for the Band One Brown Pipe Color Code Identification 2" Band(s) One Red, One Brown	Coupling Internal Yield	psi	12,660	87,290	kPa
Coupling Color Code Red Coupling Color Code for the Band One Brown Pipe Color Code Identification 2" Band(s)	Internal Yield of Joint	psi	7,600	52,400]kPa
Coupling Color Code for the Band One Brown Pipe Color Code Identification 2" Band(s)	WELDED TUBE GENERAL INPUT CRITERIA				
Pipe Color Code Identification 2" Band(s) One Red, One Brown	Coupling Color Code]	Red	1
r	Coupling Color Code for the Band		One	Brown	1
	Pipe Color Code Identification	2" Band(s)	One Red,	, One Brown	1
	Additional Color Band (approx.10' from box end)	· · · · · · · · · · · · · · · · · · ·		N/A]

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