## Welded Tube

Fueling Growth, Shaping Futures

## CASING TECHNICAL DATA SHEET 4.5 x 0.25 L80 Long Round

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

Nominal Outside Diameter     in     4.500     114.30 n       Nominal Wall Thickness     in     0.250     6.35 n       Remaining Body Wall (RBW)     95.0%     95.0%       Type of Thread     10.0250     6.35 n       Grade     1.60     1.60     1.60       Label Weight     11.60     11.60     1.60       Pie Minimum Yield     ksi     80     552 M       Pipe Minimum Tensile     ksi     95     6655 M       Standard Drift Diameter (min)     in     3.875     98.42 r       Alternate Prist Diameter (min)     in     N/A     N/A       Pipe Body Plain End Yield     bi     267.000     121,110 k       Pipe Body Plain End Yield     psi     8,440     58.190 k       Collapse Pressure - Standard     psi     8,440     58.190 k       Collapse Pressure - High     N/A     N/A     N/A       Coupling Minimum Tensile     ksi     95     6655 M       Coupling Maximun Yield     psi     80     552 M       Coupling Minimum Tensile     ksi		1/24			
Nominal Wall Thickness     in     0.250     6.35 n     n       Remaining Body Wall (RBW)     95.0%     95.0%     95.0%     95.0%     95.0%     95.0%     95.0%     10.0 ng Round     Long Round     Long Round     Long Round     Laso     <	PIPE BODY DATA		-		Un
Remaining Body Wall (RBW)     95.0%     95.0%       Type of Thread     Long Round     Long Round       Grade     11.60     11.60       Label Weight     11.60     11.60       Pipe Minimum Yield     ksi     95     655       Pipe Minimum Tensile     ksi     95     6655       Standard Drift Diameter (min)     in     3.875     98.42     rn       Pipe Body Plan End Yield     bit     267.000     121.10     ksi       Pipe Body Plan End Yield     bit     267.000     121.110     ksi       Pipe Body Internal Yield     psi     6,350     43.780     k       Collapse Pressure - Standard     psi     6,350     43.780     k       Coupling Minimum Yield     ksi     95     655     N       Coupling Or Joint Outside Diameter (nom)     in					
Image of Thread     Long Round     Long Round       Grade     1.60     1.60     1.60       Label Weight     11.60     11.60     11.60       Plain End Weight     11.60     11.60     11.60       Ploy Maximum Yield     ksi     80     552       Pipe Minimum Tensile     ksi     95     655       Standard Drift Diameter (min)     in     3.875     98.42       Alternate Drift Diameter (min)     in     3.875     98.44       Pipe Body Plain End Yield     b     267.000     121.110       Pipe Body Plain End Yield     psi     6.350     43.780       Collapse Pressure - Standard     psi     6.350     43.780       Colapse Pressure - High     psi     6.350     43.780       Coupling Minimum Yield     ksi     95     655       Coupling Minimum Tensile     ksi     95     655       Coupling Minimum Tensile     ksi     95     655       Coupling Minimum Tensile     ksi     95     655       Coupling Ori Out Outside Diameter (nom)     <		in			mı
Label Weight     1.60     1.80       Label Weight     11.60     11.60       Plan End Weight     1b/ft     11.36     10.91       Pipe Maximum Yield     ksi     80     552       Pipe Maximum Yield     ksi     95     655       Pipe Mainimum Tensile     ksi     95     655       Standard Drift Diameter (min)     in     3.875     98.42       Alternate Drift Diameter (min)     in     3.875     98.42       Pipe Body Plain End Yield     b     267,000     121,110       Pipe Body Plain End Yield     psi     6.350     43,780       Collapse Pressure - Standard     psi     6.350     43,780       Collapse Pressure - High     psi     0.1/A     N/A       Coupling Minimum Yield     ksi     95     655     N       Coupling Minimum Tensile     ksi     95     655     N       Coupling Or Joint Outside Diameter (nom)     in     5.250     133.33     F       Coupling Or Joint Outside Diameter (nom)     in     5.250     133.35     S <td></td> <td></td> <td></td> <td></td> <td></td>					
Label Weight11.6011.60Plain End Weightlb/ft11.3611.60Plain End Weightlb/ft11.3611.60Pipe Minimum Yieldksi95655Maximum Yieldksi95655Standard Drift Diameter (min)in3.87598.42Alternate Drift Diameter (min)inN/AN/APipe Body Plain End Yieldlb267,000121,110Pipe Body Plain End Yieldpsi6,35043,780Collapse Pressure - Standardpsi6,35043,780Collapse Pressure - HighpsiN/AN/ACoupling Minimum Yieldksi95655Coupling Minimum Yieldksi95655Coupling Minimum Tensileksi95655Coupling Minimum Yieldksi95655Coupling Minimum Tensileksi95655Coupling Minimum Tensileksi95655Coupling Minimum Tensileksi95655Coupling Minimum Tensileksi95655Coupling Minimum Tensileksi95655Coupling Minimum Tensileksi95655Coupling Minimum Yieldksi95655Coupling Minimum Tensileksi95655Coupling Minimum Tensileksi95655Coupling Minimum Tensileksi95655Nominal Make-Up Torque Rangeft-1b2,2303,020Nominal Make-Up Torq				-	
Plain End Weight   lb/ft   11.36   16.91 k     Pipe Minimum Yield   ksi   80   552 M     Pipe Minimum Tensile   ksi   95   655 M     Standard Drift Diameter (min)   in   3.875   98.42 m     Alternate Drift Diameter (min)   in   N/A   N/A     Pipe Body Plain End Yield   b   267.000   121.110 k     Pipe Body Internal Yield   psi   8,440   58.190 k     Collapse Pressure - Standard   psi   6,350   43.780 k     Collapse Pressure - High   psi   0,350   43.780 k     Coupling Minimum Yield   ksi   95   655 M     Coupling Minimum Yield   ksi   95   655 M     Coupling Minimum Yield   ksi   95   655 M     Coupling or Joint Outside Diameter (nom)   in   5.250 M   133.35 m     Coupling Or Joint Outside Diameter (nom)   in   5.250 M   133.35 m     Coupling Minimum Tensile   ksi   95   655 M     Coupling Minimum Yield   ksi   95   655 M     Coupling Out Outside Diameter (nom)   in   5.25	Grade		L80	L80	
Pipe Minimum Yield     ksi     80     552     N       Pipe Maximum Yield     ksi     95     655     N       Pipe Minimum Tensile     si     95     655     N       Standard Drift Diameter (min)     in     3.875     98.42     n       Alternate Drift Diameter (min)     in     N/A     N/A       Pipe Body Plain End Yield     lb     267,000     121,110     k       Pipe Body Internal Yield     psi     8,440     58,190     k       Collapse Pressure - High     psi     6,350     43,780     k       Coupling Minimum Yield     ksi     80     552     N       Coupling Minimum Tensile     ksi     95     655     N       Coupling Thread Fracture Strength <td>Label Weight</td> <td></td> <td>11.60</td> <td>11.60</td> <td></td>	Label Weight		11.60	11.60	
Phye Maximum Yield     ksi     95     655     M       Pipe Minimum Tensile     ksi     95     655     M       Standard Drift Diameter (min)     in     3.875     98.42     m       Alternate Drift Diameter (min)     in     N/A     N/A     N/A       Pipe Body Plain End Yield     lb     267,000     121,110     k       Pipe Body Internal Yield     psi     6,350     43,780     k       Collapse Pressure - Standard     psi     6,350     43,780     k       Collapse Pressure - High     psi     0,40     N/A     N/A       Coupling Minimum Yield     ksi     95     6,655     M       Coupling Minimum Yield     ksi     95     6,655     M       Coupling Minimum Tensile     ksi     95     6,655     M       Coupling Minimum Tensile     ksi     95     6,655     M       Coupling Thread Fracture Strength     lb     622,000     282,130     M       Pipe Thread Fracture Strength     lb     223,000     101,150     M </td <td>Plain End Weight</td> <td>lb/ft</td> <td>11.36</td> <td>16.91</td> <td>kg</td>	Plain End Weight	lb/ft	11.36	16.91	kg
Pripe Minimum Tensileksi95655MStandard Drift Diameter (min)in3.87598.42nAlternate Drift Diameter (min)inN/AN/AN/APipe Body Plain End Yieldb267,000121,110kPipe Body Internal Yieldpsi6,35043,780kCollapse Pressure - Standardpsi6,35043,780kCollapse Pressure - Highpsi0.44058,190kCoupling Minimum Yieldksi95655NCoupling Minimum Yieldksi95655NCoupling or Joint Outside Diameter (nom)in5.250133.35nCoupling Thread Fracture Strengthb622,000282,130kPipe Thread Fracture Strengthb223,000101,150kNominal Make-Up Torque or Make-up Torque Rangeft-1b2,2303,020NCoupling Internal Yieldpsi13,96096,250kMethernal Yield of Jointpsi8,44058,190kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeCoupling Color CodeRedCoupling Color Code for the BandOne Brown	Pipe Minimum Yield	ksi	80		
Standard Drift Diameter (min)in3.87598.42nAlternate Drift Diameter (min)inN/AN/APipe Body Plain End YieldIb267,000121,110Pipe Body Internal Yieldpsi8,44058,190Collapse Pressure - Standardpsi6,35043,780Collapse Pressure - HighpsiN/AN/ACONNECTION DATAN/AN/AN/ACoupling Minimum Yieldksi95655Coupling Maximum Yieldksi95655Coupling Maximum Yieldksi95655Coupling Maximum Yieldksi95655Coupling Maximum Yieldksi95655Coupling Maximum Yieldksi95655Coupling Maximum Yieldksi95655Coupling Internal Yieldin5.250133.35nCoupling Thread Fracture StrengthIb223,000282,130kPier Thread Fracture StrengthIb223,00096,160kPull Out StrengthIb2,2303,020NCoupling Internal Yieldpsi13,96096,250kInternal Yield of Jointpsi3,96096,250kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color CodeRedCoupling Color CodeOne Brown	Pipe Maximum Yield	ksi	95	655	MI
Alternate Drift Diameter (min)   in   N/A   N/A     Pipe Body Plain End Yield   lb   267,000   121,110   k     Pipe Body Internal Yield   psi   8,440   58,190   k     Collapse Pressure - Standard   psi   6,350   43,780   k     Collapse Pressure - High   psi   6,350   43,780   k     Coupling Minimum Yield   psi   N/A   N/A   N/A     Coupling Minimum Yield   ksi   95   655   N     Coupling Minimum Tensile   ksi   95   655   N     Coupling Mread Fracture Strength   lb   622,000   282,130   k     Pipe Thread Fracture Strength   lb   212,000   96,160   k     Pull Out Strength   lb   223,000   101,150   k     Nominal Make-Up Torque or Make-up Torque Range   ft-lb   2,230   3,002   N     Coupling Internal Yield   psi   13,960   96,250   k     Internal Yield of Joint   psi   13,960   96,250   k     WELDED TUBE GENERAL INPUT CRITERIA   S8,190   k	Pipe Minimum Tensile	ksi			
Pipe Body Plain End YieldIb267,000121,110kPipe Body Internal Yieldpsi8,44058,190kCollapse Pressure - Standardpsi6,35043,780kCollapse Pressure - Highpsi6,35043,780kConnection DATApsiN/AN/AN/ACoupling Minimum Yieldksi95655MCoupling Minimum Tensileksi95655MCoupling or Joint Outside Diameter (nom)in5.250133.35nCoupling Thread Fracture Strengthlb622,000282,130kPipe Thread Fracture Strengthlb212,00096,160kNominal Make-Up Torque or Make-up Torque Rangeft-lb2,2303,020NCoupling Internal Yield of Jointpsi13,96096,250kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedOne Brown	Standard Drift Diameter (min)	in	3.875	98.42	mı
Pipe Body Internal Yieldpsi8,44058,190kCollapse Pressure - Standardpsi6,35043,780kCollapse Pressure - HighpsiN/AN/AKCONNECTION DATAN/AN/AN/ACoupling Minimum Yieldksi80552MCoupling Minimum Tensileksi95655MCoupling or Joint Outside Diameter (nom)in5.250133.35nCoupling Thread Fracture Strengthlb622,000282,130kPipe Thread Fracture Strengthlb212,00096,160kNominal Make-Up Torque or Make-up Torque Rangeft-lb2,2303,020NCoupling Internal Yieldpsi13,96096,250kMELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedOne Brown	Alternate Drift Diameter (min)		N/A	N/A	mı
Collapse Pressure - Standardpsi6,35043,780kCollapse Pressure - HighpsiN/AN/AN/ACONNECTION DATACoupling Minimum Yieldksi80552NCoupling Maximum Yieldksi95655NCoupling Minimum Tensileksi95655NCoupling or Joint Outside Diameter (nom)in5.250133.35nCoupling Thread Fracture Strengthlb622,000282,130kPipe Thread Fracture Strengthlb212,00096,160kPull Out Strengthlb223,000101,150kNominal Make-Up Torque or Make-up Torque Rangeft-lb2,2303,020NCoupling Internal Yieldpsi13,96096,250kInternal Yield of Jointpsi8,44058,190kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color CodeRedCoupl	Pipe Body Plain End Yield	lb	267,000		0
Collapse Pressure - HighpsiN/AN/ACONNECTION DATACoupling Minimum Yieldksi80552MCoupling Minimum Yieldksi95665MCoupling Minimum Tensileksi956655MCoupling or Joint Outside Diameter (nom)in5.250133.35mCoupling Thread Fracture Strengthlb622,000282,130kPipe Thread Fracture Strengthlb212,00096,160kPull Out Strengthlb2,2303,020NCoupling Internal Yieldpsi13,96096,250kMELDED TUBE GENERAL INPUT CRITERIADesigner58,190kCoupling Color CodeRedOne BrownOne Brown	Pipe Body Internal Yield	psi	8,440	58,190	kP
CONNECTION DATA     Coupling Minimum Yield   ksi     Coupling Maximum Yield   ksi     Coupling Maximum Yield   ksi     Coupling Minimum Tensile   ksi     Coupling Or Joint Outside Diameter (nom)   in     Coupling Thread Fracture Strength   lb     Pipe Thread Fracture Strength   lb     Pull Out Strength   lb     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     Coupling Color Code   Red	Collapse Pressure - Standard	psi	6,350	43,780	kР
Coupling Minimum Yieldksi80552MCoupling Maximum Yieldksi95655MCoupling Minimum Tensileksi95655MCoupling or Joint Outside Diameter (nom)in5.250133.35nCoupling Thread Fracture Strengthlb622,000282,130kPipe Thread Fracture Strengthlb212,00096,160kPull Out Strengthlb223,000101,150kNominal Make-Up Torque or Make-up Torque Rangeft-lb2,2303,020NCoupling Internal Yieldpsi13,96096,250kInternal Yield of Jointpsi8,44058,190kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedOne Brown	Collapse Pressure - High	psi	N/A	N/A	kP
Coupling Maximum Yieldksi95655MCoupling Minimum Tensileksi95655MCoupling or Joint Outside Diameter (nom)in5.250133.35nCoupling Thread Fracture Strengthlb622,000282,130kPipe Thread Fracture Strengthlb212,00096,160kPull Out Strengthlb223,000101,150kNominal Make-Up Torque or Make-up Torque Rangeft-lb2,2303,020NCoupling Internal Yieldpsi13,96096,250kInternal Yield of Jointpsi8,44058,190kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedOne Brown	CONNECTION DATA				
Coupling Minimum Tensileksi95655MCoupling or Joint Outside Diameter (nom)in5.250133.35nCoupling Thread Fracture Strengthlb622,000282,130kPipe Thread Fracture Strengthlb212,00096,160kPull Out Strengthlb223,000101,150kNominal Make-Up Torque or Make-up Torque Rangeft-lb2,2303,020NCoupling Internal Yieldpsi13,96096,250kInternal Yield of Jointpsi8,44058,190kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code for the BandOne Brown	Coupling Minimum Yield	ksi	80	552	MI
Coupling or Joint Outside Diameter (nom)in5.250133.35nCoupling Thread Fracture Strength1b622,000282,130kPipe Thread Fracture Strength1b212,00096,160kPull Out Strength1b223,000101,150kNominal Make-Up Torque or Make-up Torque Rangeft-1b2,2303,020NCoupling Internal Yieldpsi13,96096,250kWELDED TUBE GENERAL INPUT CRITERIAE20001000kCoupling Color CodeRed0ne Brown10001000	Coupling Maximum Yield	ksi	95	655	MI
Coupling Thread Fracture StrengthIb622,000282,130kPipe Thread Fracture StrengthIb212,00096,160kPull Out StrengthIb223,000101,150kNominal Make-Up Torque or Make-up Torque Rangeft-lb2,2303,020NCoupling Internal Yieldpsi13,96096,250kInternal Yield of Jointpsi8,44058,190kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code for the BandOne Brown	Coupling Minimum Tensile	ksi	95	655	MI
Pipe Thread Fracture StrengthIb212,00096,160kPull Out StrengthIb223,000101,150kNominal Make-Up Torque or Make-up Torque Rangeft-lb2,2303,020NCoupling Internal Yieldpsi13,96096,250kInternal Yield of Jointpsi8,44058,190kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code for the BandOne Brown	Coupling or Joint Outside Diameter (nom)	in	5.250	133.35	mı
Pull Out StrengthIb223,000101,150kNominal Make-Up Torque or Make-up Torque Rangeft-Ib2,2303,020NCoupling Internal Yieldpsi13,96096,250kInternal Yield of Jointpsi8,44058,190kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color CodeOne Brown	Coupling Thread Fracture Strength	lb	622,000	282,130	kg
Nominal Make-Up Torque or Make-up Torque Rangeft-lb2,2303,020NCoupling Internal Yieldpsi13,96096,250kInternal Yield of Jointpsi8,44058,190kWELDED TUBE GENERAL INPUT CRITERIACoupling Color CodeRedCoupling Color Code for the BandOne Brown	Pipe Thread Fracture Strength	lb	212,000	96,160	kg
Coupling Internal Yield psi 13,960 96,250 k   Internal Yield of Joint psi 3,440 58,190 k   WELDED TUBE GENERAL INPUT CRITERIA Coupling Color Code Red Coupling Color Code   Coupling Color Code for the Band One Brown Coupling Color Code Coupling Color Code	Pull Out Strength	lb	223,000	101,150	kg
Internal Yield of Joint psi 8,440 58,190 k WELDED TUBE GENERAL INPUT CRITERIA Coupling Color Code Red Coupling Color Code for the Band One Brown	Nominal Make-Up Torque or Make-up Torque Range	ft-lb	2,230	3,020	N-
WELDED TUBE GENERAL INPUT CRITERIA     Coupling Color Code   Red     Coupling Color Code for the Band   One Brown	Coupling Internal Yield	psi	13,960	96,250	kP
Coupling Color Code Red   Coupling Color Code for the Band One Brown	Internal Yield of Joint	psi	8,440	58,190	kP
Coupling Color Code for the Band One Brown	WELDED TUBE GENERAL INPUT CRITERIA				
	Coupling Color Code		Red		
	Coupling Color Code for the Band		One Brown		
	Pipe Color Code Identification	2" Band(s)	2" Band(s) One Red, One Brown		

Pipe Color Code Identification Additional Color Band (approx.10' from box end)

	Red	
	One Brown	
2" Band(s)	One Red, One Brown	
	N/A	

Note:

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