

Casing Size

Standard: API 5CT&5B

Outside Diameter in(mm)	Weight Designation	Wall Thickness		Type of end finish			
				Grade			
		in	mm	J55	L80-1	N80	P110
4 1/2" (114.3)	11.6	0.25	6.35	PSLB	PLB	PLB	PLB
	13.5	0.29	7.37		PLB	PLB	PLB
	15.1	0.337	8.56				PLB
5" (127)	13	0.253	6.43	PSLB			
	15	0.296	7.52	PSLB	PLB	PLB	PLB
	18	0.362	9.19		PLB	PLB	PLB
	21.4	0.437	11.1		PLB	PLB	PLB
	23.2	0.478	12.14		PLB	PLB	PLB
	24.1	0.5	12.7		PLB	PLB	PLB
5 1/2" (139.7)	15.5	0.275	6.99	PSLB			
	17	0.304	7.72	PSLB	PLB	PLB	PLB
	20	0.361	9.17		PLB	PLB	PLB
	23	0.415	10.54		PLB	PLB	PLB
	26.8	0.5	12.7				
	29.7	0.562	14.27				
	32.6	0.625	15.87				
	35.3	0.687	17.45				
	38	0.75	19.05				
	40.5	0.812	20.62				
7" (177.8)	23	0.317	8.05	PSLB	PLB	PLB	PLB
	26	0.362	9.19	PSLB	PLB	PLB	PLB
	29	0.408	10.36		PLB	PLB	PLB
	32	0.453	11.51		PLB	PLB	PLB
	35	0.495	12.65		PLB	PLB	PLB
	38	0.54	13.72		PLB	PLB	PLB

Note: P – Plain-end; S – Short round thread; L – Long round thread; B – Buttress thread

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Outside Diameter in(mm)	Weight Designation	Wall Thickness		Type of end finish			
				Grade			
		in	mm	J55	L80-1	N80	P110
7" (177.8)	42.7	0.626	15.87				
	46.4	0.687	17.45				
	50.1	0.75	19.05				
	53.6	0.812	20.62				
	57.1	0.875	22.23				
7 5/8" (193.68)	24	0.3	7.62				
	26.4	0.328	8.33	PSLB	PLB	PLB	
	29.7	0.375	9.52		PLB	PLB	PLB
	33.7	0.4	10.92		PLB	PLB	PLB
	39	0.5	12.7		PLB	PLB	PLB
	42.8	0.562	14.27		PLB	PLB	PLB
	45.3	0.595	15.11		PLB	PLB	PLB
	47.1	0.625	15.88		PLB	PLB	PLB
	51.2	0.687	17.45				
55.3	0.75	19.05					
8 5/8" (219.1)	24	0.264	6.71	PS			
	28	0.304	7.72				
	32	0.352	8.94	PSLB			
	36	0.4	10.16	PSLB	PLB	PLB	
	40	0.45	11.43		PLB	PLB	PLB
	44	0.5	12.7		PLB	PLB	PLB
9 5/8" (244.5)	49	0.557	14.15		PLB	PLB	PLB
	36	0.352	8.94	PSLB			
	40	0.395	10.03	PSLB	PLB	PLB	
	43.5	0.435	11.05		PLB	PLB	PLB
	47	0.472	11.99		PLB	PLB	PLB
	53.5	0.545	13.84		PLB	PLB	PLB
	58.4	0.595	15.11		PLB	PLB	PLB
	59.4	0.609	15.47				
	64.9	0.672	17.07				
	70.3	0.734	18.64				
10 3/4" (273.1)	75.6	0.797	20.24				
	40.5	0.35	8.98	PSB			
	45.5	0.4	10.16	PSB			
	51	0.45	11.43	PSB	PSB	PSB	PSB
	55.5	0.495	12.7		PSB	PSB	PSB
	60.7	0.545	13.84				PSB
	65.7	0.595	15.11				
	73.2	0.672	17.07				
	79.2	0.734	18.64				
	85.3	0.797	20.24				

Note: P – Plain-end; S – Short round thread; L – Long round thread; B – Buttress thread

Mechanical Properties Standard: API 5CT&5B

Grade	Type	Yield Strength		Yield Strength		Tensile Strength		Hardness	Elongation
		Mpa		Ksi		Mpa	Ksi	Max	%
		Min	Max	Min	Max	Min	HRC		
H40		276	552	40	80	414	60	-	0.5
J55	-	379	552	55	80	517	75	-	0.5
K55	-	379	552	55	80	655	95	-	0.5
N80	1	552	758	80	110	689	100	-	0.5
N80	Q	552	758	80	110	689	100	-	0.5
L80	1	552	655	80	95	655	95	23	0.5
L80HC	1	552	655	80	95	655	95	23	0.5
P110	-	758	965	110	140	862	125	-	0.6
P110HY	-	758	965	110	140	862	125	-	0.6
P110CY	-	758	862	110	125	862	125	-	0.6
P110HCP	-	862	965	125	140	897	130	-	0.6

Chemical Composition Standard: API 5CT&5B

Grade	Chemical Composition(%)												
	C		Mn		Mo		Cr		Ni	Cu	P	S	Si
	Min	Max	Min	Max	Min	Max	Min	Max	Max	Max	Max	Max	Max
H40	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
J/K55	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
N80	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
L80-1	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
L80HC	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
P110	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
P110HC	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
P110CY	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37
P110HCP	--	0.38	--	1.65	--	--	--	--	0.25	0.2	0.2	0.03	0.37

Mechanical Properties Standard: Directive 010

Grade	Type	Yield Strength		Yield Strength		Tensile Strength		Impact Property		Hardness	Elongation
		Mpa		Ksi		Mpa	Ksi	Longitudinal	Transverse	Max	%
		Min	Max	Min	Max	Min	Min(J)	Min(J)	HRC		
H40		276	552	40	80	414	60	45	30	-	0.5
J55	-	379	552	55	80	517	75	60	40	-	0.5
K55	-	379	552	55	80	655	95	60	40	-	0.5
N80	1	552	655	80	95	655	95	80	55	-	0.5

Chemical Composition Standard: Directive 010

Grade	Chemical Composition(%)												
	C		Mn		Mo		Cr		Ni	Cu	P	S	Si
	Min	Max	Min	Max	Min	Max	Min	Max	Max	Max	Max	Max	Max
H40	--	0.35	--	1.35	--	--	--	--	--	--	0.02	0.015	--
J55	--	0.35	--	1.35	--	--	--	--	--	--	0.02	0.015	--
K55	--	0.35	--	1.35	--	--	--	--	--	--	0.02	0.015	--
L80-1	--	0.32	--	1.40	--	--	--	--	--	--	0.02	0.015	--

Main Tolerance Range

Item	Tolerance
Outside Diameter	D<114.3mm, ±0.79mm
	D≥114.3mm, ± ^{1.0} / _{0.5} %D
Wall Thickness	Min: -12.5%
Weight	Single length
	Carloads

Length Range

Range	Range1	Range2	Range3
Casing	4.88-7.62m(16.0-25.0ft)	7.62-10.36m(25.0-34.0ft)	10.36-14.63m(34.0-48.0ft)

Special length available on request