

API Linepipe Performance Ratings

US Standard Units

				Grade X52				Grade X56				Grade X60				Grade X65				Grade X70			
OD (in)	Wall Thickness (in)	Linear Mass (lb/ft)	ID (in)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)
2 3/8	0.083	2.03	2.209	31.0	3,180	1,800	2,620	33.0	3,420	1,860	2,820	36.0	3,670	1,920	3,020	39.0	3,980	1,980	3,270	42.0	4,280	2,030	3,520
	0.109	2.64	2.157	40.0	4,180	3,270	3,440	43.0	4,500	3,400	3,700	47.0	4,820	3,520	3,970	50.0	5,220	3,660	4,300	54.0	5,620	3,780	4,630
	0.125	3.01	2.125	46.0	4,790	4,310	3,940	49.0	5,160	4,530	4,240	53.0	5,530	4,740	4,550	57.0	5,990	4,990	4,930	62.0	6,450	5,220	5,310
	0.141	3.37	2.093	51.0	5,400	5,360	4,450	55.0	5,820	5,660	4,790	59.0	6,230	5,950	5,130	64.0	6,750	6,310	5,560	69.0	7,270	6,650	5,980
	0.154	3.66	2.067	56.0	5,900	6,210	4,860	60.0	6,350	6,580	5,230	64.0	6,810	6,940	5,600	70.0	7,380	7,380	6,070	75.0	7,940	7,810	6,540
	0.172	4.05	2.031	62.0	6,590	6,990	5,420	67.0	7,100	7,520	5,840	71.0	7,600	8,060	6,260	77.0	8,240	8,730	6,780	83.0	8,870	9,400	7,300
	0.188	4.40	1.999	67.0	7,200	7,580	5,930	72.0	7,760	8,160	6,380	78.0	8,310	8,750	6,840	84.0	9,000	9,480	7,410	90.0	9,700	10,200	7,980
	0.218	5.03	1.939	77.0	8,350	8,670	6,870	83.0	9,000	9,340	7,400	89.0	9,640	10,000	7,930	96.0	10,440	10,840	8,590	103.0	11,240	11,670	9,250
	0.250	5.68	1.875	87.0	9,580	9,800	7,880	93.0	10,320	10,550	8,490	100.0	11,050	11,300	9,090	108.0	11,970	12,240	9,850	117.0	12,890	13,190	10,610
	0.281	6.29	1.813	96.0	10,770	10,850	8,860	104.0	11,590	11,680	9,540	111.0	12,420	12,520	10,220	120.0	13,460	13,560	11,070	129.0	14,490	14,600	11,930
	0.344	7.47	1.687	114.0	13,180	12,880	10,850	123.0	14,190	13,870	11,680	132.0	15,210	14,860	12,510	143.0	16,480	16,100	13,560	154.0	17,740	17,340	14,600
	0.436	9.04	1.503	138.0	16,710	15,590	13,750	149.0	17,990	16,790	14,800	159.0	19,280	17,990	15,860	173.0	20,880	19,480	17,180	186.0	22,490	20,980	18,500
3 1/2	0.083	3.03	3.334	46.0	2,160	660	1,780	50.0	2,320	660	1,910	53.0	2,490	660	2,050	58.0	2,700	660	2,220	62.0	2,910	660	2,390
	0.109	3.95	3.282	60.0	2,830	1,400	2,330	65.0	3,050	1,440	2,510	70.0	3,270	1,460	2,690	75.0	3,540	1,490	2,910	81.0	3,820	1,510	3,140
	0.125	4.51	3.250	69.0	3,250	1,880	2,670	74.0	3,500	1,950	2,880	80.0	3,750	2,010	3,090	86.0	4,060	2,080	3,340	93.0	4,380	2,140	3,600
	0.141	5.06	3.218	77.0	3,670	2,400	3,020	83.0	3,950	2,460	3,250	89.0	4,230	2,550	3,480	97.0	4,580	2,670	3,770	104.0	4,940	2,780	4,060
	0.156	5.58	3.188	85.0	4,060	3,060	3,340	92.0	4,370	3,180	3,590	98.0	4,680	3,290	3,850	107.0	5,070	3,400	4,170	115.0	5,460	3,500	4,490
	0.172	6.12	3.156	94.0	4,470	3,770	3,680	101.0	4,820	3,950	3,960	108.0	5,160	4,110	4,250	117.0	5,590	4,300	4,600	126.0	6,020	4,480	4,950
	0.188	6.66	3.124	102.0	4,890	4,480	4,020	110.0	5,260	4,710	4,330	117.0	5,640	4,930	4,640	127.0	6,110	5,200	5,030	137.0	6,580	5,450	5,410
	0.216	7.58	3.068	116.0	5,620	5,720	4,620	125.0	6,050	6,050	4,980	134.0	6,480	6,380	5,330	145.0	7,020	6,770	5,780	156.0	7,560	7,150	6,220
	0.250	8.69	3.000	133.0	6,500	6,900	5,350	143.0	7,000	7,430	5,760	153.0	7,500	7,600	6,170	166.0	8,130	8,620	6,690	179.0	8,750	9,210	7,200
	0.281	9.67	2.938	148.0	7,310	7,680	6,010	159.0	7,870	8,270	6,470	171.0	8,430	8,860	6,940	185.0	9,130	9,600	7,510	199.0	9,840	10,340	8,090
	0.300	10.26	2.900	157.0	7,800	8,150	6,420	169.0	8,400	8,780	6,910	181.0	9,000	9,400	7,410	196.0	9,750	10,190	8,020	211.0	10,500	10,970	8,640
	0.438	14.34	2.624	219.0	11,390	11,390	9,370	236.0	12,260	12,260	10,090	274.0	13,140	13,140	10,810	295.0	14,240	14,230	11,710	295.0	15,330	15,330	12,610
	0.600	18.60	2.300	284.0	15,600	14,770	12,840	306.0	16,800	15,910	13,820	328.0	18,000	17,040	14,810	355.0	19,500	18,470	16,050	383.0	21,000	19,890	17,280
4 1/2	0.083	3.92	4.334	60.0	1,680	310	1,380	64.0	1,810	310	1,490	69.0	1,940	310	1,590	75.0	2,100	310	1,730	81.0	2,260	310	1,860
	0.110	5.16	4.280	79.0	2,220	720	1,830	85.0	2,400	720	1,970	91.0	2,570	720	2,110	99.0	2,780	720	2,290	106.0	2,990	720	2,460
	0.125	5.85	4.250	89.0	2,530	1,050	2,080	96.0	2,720	1,060	2,240	103.0	2,920	1,060	2,400	112.0	3,160	1,060	2,600	120.0	3,400	1,060	2,800
	0.141	6.57	4.218	100.0	2,850	1,420	2,350	108.0	3,070	1,460	2,530	116.0	3,290	1,490	2,710	126.0	3,560	1,520	2,930	135.0	3,840	1,530	3,160
	0.156	7.24	4.188	111.0	3,150	1,770	2,600	119.0	3,400	1,830	2,800	128.0	3,640	1,880	3,000	138.0	3,940	1,940	3,240	149.0	4,250	2,000	3,490
	0.172	7.96	4.156	122.0	3,480	2,140	2,860	131.0	3,750	2,230	3,080	140.0	4,010	2,310	3,300	152.0	4,350	2,400	3,580	164.0	4,680	2,490	3,850
	0.188	8.67	4.124	132.0	3,800	2,630	3,130	143.0	4,090	2,710	3,370	153.0	4,390	2,780	3,610	166.0	4,750	2,860	3,910	178.0	5,120	2,980	4,210
	0.203	9.32	4.094	143.0	4,110	3,150	3,380	153.0	4,420	3,270	3,640	164.0	4,740	3,380	3,900	178.0	5,130	3,510	4,220	192.0	5,530	3,620	4,550
	0.219	10.02	4.062	153.0	4,430	3,700	3,640	165.0	4,770	3,870	3,920	177.0	5,110	4,020	4,200	191.0	5,540	4,210	4,560	206.0	5,960	4,370	4,910
	0.237	10.80	4.026	165.0	4,790	4,320	3,940	178.0	5,160	4,540	4,250	190.0	5,530	4,750	4,550	206.0	5,990	4,990	4,930	222.0	6,450	5,220	5,310
	0.250	11.36	4.000	174.0	5,060	4,770	4,160	187.0	5,440	5,020	4,480	200.0	5,830	5,270	4,800	217.0	6,320	5,560	5,200	234.0	6,810	5,840	5,600
	0.281	12.67	3.938	194.0	5,680	5,830	4,680	209.0	6,120	6,180	5,040	223.0	6,560	6,510	5,400	242.0	7,100	6,910	5,840	261.0	7,650	7,300	6,290
	0.312	13.97	3.876	213.0	6,310	6,710	5,190	230.0	6,790	7,230	5,590	246.0	7,280	7,740	5,990	267.0	7,890	8,270	6,490	287.0	8,490	8,770	6,990
	0.337	15.00	3.826	229.0	6,810	7,210	5,610	247.0	7,340	7,760	6,040	264.0	7,860	8,310	6,470	286.0	8,520	9,010	7,010	309.0	9,170	9,700	7,550
	0.438	19.02	3.624	291.0	8,860	9,140	7,290	313.0	9,540	9,840	7,850	335.0	10,220	10,540	8,410	363.0	11,070	11,420	9,110	391.0	11,920	12,300	9,810
	0.531	22.53	3.438	344.0	10,740	10,820	8,840	371.0	11,560	11,660	9,520	397.0	12,390	12,490	10,200	430.0	13,420	13,530	11,040	463.0	14,460	14,570	11,890
	0.674	27.57	3.152	421.0	13,630	13,240	11,220	454.0	14,680	14,260	12,080	486.0	15,730	15,280	12,940	527.0	17,040	16,550	14,020	567.0	18,350	17,830	15,100
6 5/8	0.083	5.80	6.459	89.0	1,140	90	940	96.0	1,230	90	1,010	102.0	1,320	90	1,080	111.0	1,430	90	1,170	119.0	1,530	90	1,260
	0.109	7.59	6.407	116.0	1,500	220	1,230	125.0	1,610	220	1,330	134.0	1,730	220	1,420	145.0	1,870	220	1,540	156.0	2,020	220	1,660
	0.125	8.69	6.375	133.0	1,720	330	1,410	143.0	1,850	330	1,520	153.0	1,980	330	1,630	166.0	2,150	330	1,770	179.0	2,310	330	1,900
	0.141	9.77	6.343	149.0	1,940	470	1,590	161.0	2,090	470	1,720	172.0	2,230	470	1,840	187.0	2,420	470	1,990	201.0	2,610	470	2,150
	0.156	10.79	6.313	165.0	2,140	640	1,760	178.0	2,310	640	1,900	190.0	2,470	640	2,030	206.0	2,680	640	2,200	222.0	2,880	640	2,370
	0.172	11.86	6.281	181.0	2,360	870	1,940	195.0	2,540	870	2,090	209.0	2,730	870	2,240	227.0	2,950	870	2,430	244.0	3,180	870	2,620
	0.188	12.94	6.249	198.0	2,580	1,120	2,120	213.0	2,780	1,130	2,290	228.0	2,980	1,140	2,450	247.0	3,230	1,140	2,660	266.0	3,480	1,140	2,860
	0.203	13.94	6.219	213.0	2,790	1,350	2,290	229.0	3,000	1,380	2,470												

API Linepipe Performance Ratings

US Standard Units

				Grade X52				Grade X56				Grade X60				Grade X65				Grade X70			
OD (in)	Wall Thickness (in)	Linear Mass (lb/ft)	ID (in)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)
0.594	51.00	7.437	779.0	6,270	6,670	5,160	839.0	6,750	7,180	5,550	899.0	7,230	7,670	5,950	974.0	7,830	8,170	6,450	1,049.0	8,440	8,670	6,940	
0.625	53.45	7.375	817.0	6,590	6,990	5,430	880.0	7,100	7,530	5,840	942.0	7,610	8,070	6,260	1,021.0	8,240	8,740	6,780	1,100.0	8,880	9,410	7,300	
0.719	60.77	7.187	929.0	7,590	7,950	6,240	1,000.0	8,170	8,560	6,720	1,071.0	8,750	9,170	7,200	1,161.0	9,480	9,930	7,800	1,250.0	10,210	10,700	8,400	
0.750	63.14	7.125	965.0	7,910	8,260	6,510	1,039.0	8,520	8,890	7,010	1,113.0	9,130	9,530	7,510	1,206.0	9,890	10,320	8,140	1,299.0	10,650	11,120	8,770	
0.812	67.82	7.001	1,036.0	8,570	8,870	7,050	1,116.0	9,230	9,550	7,590	1,196.0	9,890	10,230	8,130	1,296.0	10,710	11,090	8,810	1,395.0	11,530	11,940	9,490	
0.875	72.49	6.875	1,108.0	9,230	9,480	7,600	1,193.0	9,940	10,210	8,180	1,278.0	10,650	10,940	8,770	1,385.0	11,540	11,850	9,500	1,491.0	12,430	12,760	10,230	
0.906	74.76	6.813	1,142.0	9,560	9,780	7,870	1,230.0	10,290	10,530	8,470	1,318.0	11,030	11,280	9,080	1,428.0	11,950	12,220	9,830	1,538.0	12,870	13,160	10,590	
1.000	81.51	6.625	1,246.0	10,550	10,660	8,680	1,341.0	11,360	11,480	9,350	1,437.0	12,170	12,300	10,020	1,557.0	13,190	13,320	10,850	1,677.0	14,200	14,350	11,690	
10 3/4	0.156	17.67	10.438	270.0	1,320	150	1,090	291.0	1,420	150	1,170	312.0	1,520	150	1,250	337.0	1,650	150	1,360	363.0	1,780	150	1,460
0.188	21.23	10.374	324.0	1,590	260	1,310	349.0	1,710	260	1,410	374.0	1,840	260	1,510	405.0	1,990	260	1,640	437.0	2,140	260	1,760	
0.203	22.89	10.344	350.0	1,720	330	1,410	377.0	1,850	330	1,520	404.0	1,980	330	1,630	437.0	2,150	330	1,770	471.0	2,310	330	1,900	
0.219	24.65	10.312	377.0	1,850	410	1,530	406.0	2,000	410	1,640	435.0	2,140	410	1,760	471.0	2,320	410	1,910	507.0	2,500	410	2,050	
0.250	28.06	10.250	429.0	2,120	620	1,740	462.0	2,280	620	1,880	495.0	2,440	620	2,010	536.0	2,650	620	2,180	577.0	2,850	620	2,340	
0.279	31.23	10.192	477.0	2,360	870	1,940	514.0	2,540	870	2,090	551.0	2,730	870	2,240	597.0	2,950	870	2,430	642.0	3,180	870	2,620	
0.307	34.27	10.136	524.0	2,600	1,140	2,140	564.0	2,800	1,150	2,300	604.0	3,000	1,160	2,470	655.0	3,250	1,160	2,670	705.0	3,500	1,160	2,880	
0.344	38.27	10.062	585.0	2,910	1,490	2,400	630.0	3,140	1,530	2,580	675.0	3,360	1,570	2,760	731.0	3,640	1,600	3,000	787.0	3,920	1,620	3,230	
0.365	40.52	10.020	619.0	3,090	1,700	2,540	667.0	3,330	1,750	2,740	714.0	3,570	1,800	2,930	774.0	3,860	1,850	3,180	834.0	4,160	1,900	3,420	
0.438	48.28	9.874	738.0	3,710	2,470	3,050	795.0	3,990	2,540	3,290	851.0	4,280	2,990	3,520	922.0	4,630	2,730	3,810	993.0	4,990	2,840	4,110	
0.500	54.79	9.750	837.0	4,230	3,360	3,480	902.0	4,560	3,500	3,750	966.0	4,880	3,640	4,020	1,047.0	5,290	3,780	4,350	1,127.0	5,700	3,920	4,690	
0.562	61.21	9.626	935.0	4,760	4,260	3,910	1,007.0	5,120	4,470	4,220	1,079.0	5,490	4,680	4,520	1,169.0	5,950	4,920	4,890	1,259.0	6,400	5,140	5,270	
0.594	64.49	9.562	986.0	5,030	4,720	4,140	1,061.0	5,420	4,970	4,460	1,137.0	5,800	5,420	4,770	1,232.0	6,290	5,500	5,170	1,327.0	6,770	5,780	5,570	
0.625	67.65	9.500	1,034.0	5,290	5,170	4,350	1,113.0	5,700	5,450	4,690	1,193.0	6,100	5,730	5,020	1,292.0	6,610	6,070	5,440	1,392.0	7,120	6,390	5,860	
0.719	77.10	9.312	1,178.0	6,090	6,490	5,010	1,269.0	6,550	6,920	5,390	1,359.0	7,020	7,310	5,780	1,473.0	7,610	7,780	6,260	1,586.0	8,190	8,250	6,740	
0.812	86.26	9.126	1,318.0	6,870	7,260	5,660	1,420.0	7,400	7,820	6,090	1,521.0	7,930	8,380	6,530	1,648.0	8,590	9,080	7,070	1,775.0	9,250	9,780	7,610	
0.843	89.28	9.064	1,364.0	7,140	7,520	5,870	1,469.0	7,690	8,090	6,320	1,574.0	8,230	8,670	6,780	1,705.0	8,920	9,390	7,340	1,837.0	9,610	10,120	7,900	
0.875	92.37	9.000	1,412.0	7,410	7,780	6,090	1,520.0	7,980	8,370	6,560	1,629.0	8,550	8,970	7,030	1,764.0	9,260	9,720	7,620	1,900.0	9,970	10,470	8,200	
0.938	98.39	8.874	1,504.0	7,940	8,280	6,530	1,619.0	8,550	8,920	7,040	1,735.0	9,160	9,560	7,540	1,879.0	9,930	10,350	8,170	2,024.0	10,690	11,150	8,800	
1.000	104.23	8.750	1,593.0	8,470	8,770	6,970	1,715.0	9,120	9,450	7,500	1,838.0	9,770	10,120	8,040	1,991.0	10,580	10,970	8,710	2,144.0	11,400	11,810	9,380	
1.125	115.75	8.500	1,769.0	9,520	9,740	7,840	1,905.0	10,260	10,490	8,440	2,041.0	10,990	11,240	9,040	2,211.0	11,900	12,180	9,800	2,381.0	12,820	13,120	10,550	
1.250	126.94	8.250	1,940.0	10,580	10,690	8,710	2,089.0	11,400	11,510	9,380	2,238.0	12,210	12,330	10,050	2,425.0	13,230	13,360	10,880	2,611.0	14,240	14,390	11,720	
12 3/4	0.172	23.13	12.406	353.0	1,230	120	1,010	381.0	1,320	120	1,090	408.0	1,420	120	1,170	442.0	1,530	120	1,260	476.0	1,650	120	1,360
0.188	25.25	12.374	386.0	1,340	160	1,100	415.0	1,450	160	1,190	445.0	1,550	160	1,270	482.0	1,680	160	1,380	519.0	1,810	160	1,490	
0.203	27.23	12.344	416.0	1,450	200	1,190	448.0	1,560	200	1,280	480.0	1,670	200	1,380	520.0	1,810	200	1,490	560.0	1,950	200	1,600	
0.219	29.34	12.312	448.0	1,560	250	1,290	483.0	1,680	250	1,390	517.0	1,800	250	1,480	560.0	1,950	250	1,610	604.0	2,100	250	1,730	
0.250	33.41	12.250	511.0	1,780	370	1,470	550.0	1,920	370	1,580	589.0	2,060	370	1,690	638.0	2,230	370	1,840	687.0	2,400	370	1,980	
0.281	37.46	12.188	572.0	2,010	530	1,650	616.0	2,160	530	1,780	660.0	2,310	530	1,900	715.0	2,510	530	2,060	771.0	2,700	530	2,220	
0.312	41.48	12.126	634.0	2,230	720	1,830	683.0	2,400	720	1,970	731.0	2,570	720	2,110	792.0	2,780	720	2,290	853.0	3,000	720	2,470	
0.330	43.81	12.090	670.0	2,360	860	1,940	721.0	2,540	860	2,090	773.0	2,720	860	2,240	837.0	2,940	860	2,420	901.0	3,170	860	2,610	
0.344	45.62	12.062	697.0	2,460	970	2,020	751.0	2,640	970	2,180	804.0	2,830	970	2,330	871.0	3,070	970	2,530	939.0	3,310	970	2,720	
0.375	49.61	12.000	758.0	2,680	1,220	2,200	816.0	2,880	1,240	2,370	875.0	3,090	1,260	2,540	948.0	3,350	1,270	2,750	1,021.0	3,600	1,270	2,960	
0.406	53.57	11.938	819.0	2,900	1,480	2,380	882.0	3,120	1,520	2,570	945.0	3,340	1,550	2,750	1,023.0	3,620	1,580	2,980	1,102.0	3,900	1,600	3,210	
0.438	57.65	11.874	881.0	3,130	1,740	2,570	949.0	3,370	1,790	2,770	1,016.0	3,610	1,850	2,970	1,101.0	3,910	1,900	3,220	1,186.0	4,210	1,950	3,460	
0.500	65.48	11.750	1,001.0	3,570	2,240	2,940	1,078.0	3,840	2,340	3,160	1,155.0	4,120	2,430	3,390	1,251.0	4,460	2,530	3,670	1,347.0	4,800	2,630	3,950	
0.562	73.22	11.626	1,119.0	4,010	2,990	3,300	1,205.0	4,320	3,100	3,550	1,291.0	4,630	3,200	3,810	1,399.0	5,010	3,310	4,130	1,506.0	5,400	3,400	4,440	
0.625	81.01	11.500	1,238.0	4,460	3,750	3,670	1,333.0	4,800	3,920	3,950	1,428.0	5,150	4,090	4,240	1,547.0	5,580	4,280	4,590	1,667.0	6,000	4,450	4,940	
0.688	88.71	11.374	1,356.0	4,910	4,520	4,040	1,460.0	5,290	4,750	4,350	1,564.0	5,670	4,980	4,660	1,695.0	6,140	5,250	5,050	1,825.0	6,610	5,500	5,440	
0.750	96.21	11.250	1,470.0	5,350	5,270	4,400	1,583.0	5,760	5,270	4,740	1,696.0	6,180	5,860	5,080	1,838.0	6,690	6,200	5,510	1,979.0	7,210	6,530	5,930	
0.812	103.62	11.126	1,584.0	5,800	6,030	4,770	1,705.0	6,240	6,380	5,140	1,827.0	6,690	6,730	5,500	1,979.0	7,240	7,160	5,960	2,132.0	7,800	7,570	6,420	
0.843	107.30	11.064	1,640.0	6,020	6,400	4,950	1,766.0	6,480	6,790	5,330	1,892.0	6,940	7,170	5,710	2,050.0	7,520	7,630	6,190	2,207.0	8,100	8,080	6,660	
0.875	111.08</																						

API Linepipe Performance Ratings

US Standard Units

				Grade X52				Grade X56				Grade X60				Grade X65				Grade X70			
OD (in)	Wall Thickness (in)	Linear Mass (lb/ft)	ID (in)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)
1.125	154.84	11.750	2,366.0	7,310	7,690	6,020	2,548.0	7,880	8,280	6,480	2,730.0	8,440	8,870	6,940	2,958.0	9,140	9,610	7,520	3,185.0	9,840	10,350	8,100	
1.250	170.37	11.500	2,604.0	8,130	8,460	6,690	2,804.0	8,750	9,110	7,200	3,004.0	9,380	9,760	7,710	3,255.0	10,160	10,570	8,360	3,505.0	10,940	11,380	9,000	
16	0.188	31.78	15.624	486.0	1,070	80	880	523.0	1,150	80	950	560.0	1,230	80	1,020	607.0	1,340	80	1,100	654.0	1,440	80	1,180
	0.203	34.28	15.594	524.0	1,150	100	950	564.0	1,240	100	1,020	604.0	1,330	100	1,100	655.0	1,440	100	1,190	705.0	1,550	100	1,280
	0.219	36.94	15.562	565.0	1,250	120	1,020	608.0	1,340	120	1,100	651.0	1,440	120	1,180	706.0	1,560	120	1,280	760.0	1,680	120	1,380
	0.250	42.09	15.500	643.0	1,420	180	1,170	693.0	1,530	180	1,260	742.0	1,640	180	1,350	804.0	1,780	180	1,460	866.0	1,910	180	1,580
	0.281	47.22	15.438	722.0	1,600	260	1,320	777.0	1,720	260	1,420	833.0	1,840	260	1,520	902.0	2,000	260	1,640	971.0	2,150	260	1,770
	0.312	52.32	15.376	800.0	1,770	360	1,460	861.0	1,910	360	1,570	923.0	2,050	360	1,680	1,000.0	2,220	360	1,830	1,076.0	2,390	360	1,970
	0.344	57.57	15.312	880.0	1,960	490	1,610	947.0	2,110	490	1,730	1,015.0	2,260	490	1,860	1,100.0	2,450	490	2,010	1,184.0	2,630	490	2,170
	0.375	62.64	15.250	957.0	2,130	630	1,760	1,031.0	2,300	630	1,890	1,104.0	2,460	630	2,030	1,197.0	2,670	630	2,190	1,289.0	2,870	630	2,360
	0.406	67.68	15.188	1,034.0	2,310	810	1,900	1,114.0	2,490	810	2,050	1,193.0	2,660	810	2,190	1,293.0	2,890	810	2,380	1,392.0	3,110	810	2,560
	0.438	72.86	15.124	1,114.0	2,490	1,010	2,050	1,199.0	2,680	1,020	2,210	1,285.0	2,870	1,020	2,370	1,392.0	3,110	1,020	2,560	1,499.0	3,350	1,020	2,760
	0.469	77.87	15.062	1,190.0	2,670	1,210	2,190	1,281.0	2,870	1,230	2,360	1,373.0	3,080	1,250	2,530	1,487.0	3,330	1,250	2,740	1,602.0	3,590	1,250	2,950
	0.500	82.85	15.000	1,266.0	2,840	1,410	2,340	1,363.0	3,060	1,450	2,520	1,461.0	3,280	1,480	2,700	1,583.0	3,550	1,500	2,930	1,704.0	3,830	1,520	3,150
	0.562	92.75	14.876	1,417.0	3,200	1,820	2,630	1,526.0	3,440	1,880	2,830	1,635.0	3,690	1,940	3,030	1,772.0	4,000	2,000	3,290	1,908.0	4,300	2,060	3,540
	0.625	102.72	14.750	1,570.0	3,550	2,230	2,930	1,691.0	3,830	2,320	3,150	1,811.0	4,100	2,410	3,380	1,962.0	4,440	2,510	3,660	2,113.0	4,790	2,610	3,940
	0.657	107.76	14.686	1,647.0	3,740	2,520	3,070	1,773.0	4,020	2,590	3,310	1,900.0	4,310	2,650	3,550	2,058.0	4,670	2,770	3,840	2,217.0	5,030	2,880	4,140
	0.688	112.62	14.624	1,721.0	3,910	2,820	3,220	1,853.0	4,210	2,920	3,470	1,986.0	4,520	3,000	3,720	2,151.0	4,890	3,090	4,020	2,317.0	5,270	3,170	4,330
	0.750	122.27	14.500	1,868.0	4,270	3,420	3,510	2,012.0	4,590	3,570	3,780	2,156.0	4,920	3,700	4,050	2,336.0	5,330	3,850	4,390	2,515.0	5,740	3,990	4,730
	0.812	131.84	14.376	2,015.0	4,620	4,020	3,800	2,170.0	4,970	4,220	4,090	2,325.0	5,330	4,400	4,380	2,518.0	5,770	4,620	4,750	2,712.0	6,220	4,820	5,120
	0.843	136.59	14.314	2,087.0	4,790	4,320	3,950	2,248.0	5,160	4,540	4,250	2,408.0	5,530	4,750	4,550	2,609.0	5,990	5,000	4,930	2,810.0	6,450	5,230	5,310
	0.875	141.47	14.250	2,162.0	4,980	4,630	4,100	2,328.0	5,360	4,880	4,410	2,495.0	5,740	5,110	4,730	2,703.0	6,220	5,390	5,120	2,910.0	6,700	5,650	5,510
	0.938	151.03	14.124	2,308.0	5,330	5,240	4,390	2,486.0	5,750	5,540	4,730	2,663.0	6,160	5,820	5,070	2,885.0	6,670	6,160	5,490	3,107.0	7,180	6,490	5,910
	1.000	160.35	14.000	2,450.0	5,690	5,840	4,680	2,639.0	6,130	6,180	5,040	2,827.0	6,560	6,520	5,400	3,063.0	7,110	6,920	5,850	3,299.0	7,660	7,320	6,300
	1.031	164.98	13.938	2,521.0	5,860	6,140	4,830	2,715.0	6,310	6,510	5,200	2,909.0	6,770	6,870	5,570	3,151.0	7,330	7,300	6,030	3,394.0	7,890	7,730	6,500
	1.062	169.59	13.876	2,592.0	6,040	6,440	4,970	2,791.0	6,500	6,830	5,350	2,990.0	6,970	7,220	5,730	3,240.0	7,550	7,680	6,210	3,489.0	8,130	8,140	6,690
	1.125	178.89	13.750	2,734.0	6,400	6,800	5,270	2,944.0	6,890	7,320	5,670	3,154.0	7,380	7,840	6,080	3,417.0	8,000	8,460	6,580	3,680.0	8,610	8,980	7,090
	1.188	188.11	13.624	2,875.0	6,760	7,150	5,560	3,096.0	7,280	7,700	5,990	3,317.0	7,800	8,250	6,420	3,593.0	8,450	8,940	6,950	3,870.0	9,100	9,620	7,480
	1.220	192.76	13.560	2,946.0	6,940	7,330	5,710	3,172.0	7,470	7,890	6,150	3,399.0	8,010	8,450	6,590	3,682.0	8,670	9,160	7,140	3,965.0	9,340	9,860	7,690
	1.250	197.10	13.500	3,012.0	7,110	7,490	5,850	3,244.0	7,660	8,070	6,300	3,475.0	8,200	8,640	6,750	3,765.0	8,890	9,360	7,310	4,055.0	9,570	10,080	7,880
18	0.188	35.80	17.624	547.0	950	50	780	589.0	1,020	50	840	631.0	1,100	50	900	684.0	1,190	50	980	736.0	1,280	50	1,050
	0.203	38.62	17.594	590.0	1,030	70	840	636.0	1,110	70	910	681.0	1,180	70	970	738.0	1,280	70	1,060	794.0	1,380	70	1,140
	0.219	41.63	17.562	636.0	1,110	90	910	685.0	1,190	90	980	734.0	1,280	90	1,050	795.0	1,380	90	1,140	856.0	1,490	90	1,230
	0.250	47.44	17.500	725.0	1,260	130	1,040	781.0	1,360	130	1,120	836.0	1,460	130	1,200	906.0	1,580	130	1,300	976.0	1,700	130	1,400
	0.281	53.23	17.438	813.0	1,420	180	1,170	876.0	1,530	180	1,260	939.0	1,640	180	1,350	1,017.0	1,780	180	1,460	1,095.0	1,910	180	1,570
	0.312	58.99	17.376	902.0	1,580	250	1,300	971.0	1,700	250	1,400	1,040.0	1,820	250	1,500	1,127.0	1,970	250	1,620	1,214.0	2,120	250	1,750
	0.344	64.93	17.312	992.0	1,740	340	1,430	1,069.0	1,870	340	1,540	1,145.0	2,010	340	1,650	1,240.0	2,170	340	1,790	1,336.0	2,340	340	1,930
	0.375	70.65	17.250	1,080.0	1,900	440	1,560	1,163.0	2,040	440	1,680	1,246.0	2,190	440	1,800	1,350.0	2,370	440	1,950	1,453.0	2,550	440	2,100
	0.406	76.36	17.188	1,167.0	2,050	560	1,690	1,257.0	2,210	560	1,820	1,346.0	2,370	560	1,950	1,459.0	2,570	560	2,110	1,571.0	2,760	560	2,270
	0.438	82.23	17.124	1,257.0	2,210	710	1,820	1,353.0	2,380	710	1,960	1,450.0	2,560	710	2,100	1,571.0	2,770	710	2,280	1,692.0	2,980	710	2,450
	0.469	87.89	17.062	1,343.0	2,370	880	1,950	1,447.0	2,550	880	2,100	1,550.0	2,740	880	2,250	1,679.0	2,960	880	2,440	1,808.0	3,190	880	2,630
	0.500	93.54	17.000	1,429.0	2,530	1,050	2,080	1,539.0	2,720	1,060	2,240	1,649.0	2,920	1,060	2,400	1,787.0	3,160	1,060	2,600	1,924.0	3,400	1,060	2,800
	0.562	104.76	16.876	1,601.0	2,840	1,410	2,340	1,724.0	3,060	1,450	2,520	1,847.0	3,280	1,470	2,700	2,001.0	3,550	1,500	2,920	2,155.0	3,820	1,520	3,150
	0.625	116.09	16.750	1,774.0	3,160	1,780	2,600	1,910.0	3,400	1,840	2,800	2,047.0	3,650	1,890	3,000	2,218.0	3,950	1,950	3,250	2,388.0	4,250	2,000	3,500
	0.688	127.32	16.624	1,946.0	3,480	2,140	2,860	2,095.0	3,750	2,230	3,080	2,245.0	4,010	2,310	3,300	2,432.0	4,350	2,400	3,580	2,619.0	4,680	2,490	3,850
	0.750	138.30	16.500	2,114.0	3,790	2,610	3,120	2,276.0	4,080	2,690	3,360	2,439.0	4,380	2,760	3,600	2,642.0	4,740	2,850	3,900	2,845.0	5,100	2,970	4,200
	0.812	149.20	16.376	2,280.0	4,110	3,150	3,380	2,455.0	4,420	3,150	3,640	2,631.0	4,740	3,270	3,900	2,850.0	5,130	3,510	4,220	3,069.0	5,530	3,620	4,550
	0.875	160.18	16.250	2,448.0	4,420	3,690	3,640	2,636.0	4,760	3,860	3,920	2,824.0	5,100	4,010	4,200	3,060.0	5,530	4,200	4,550	3,295.0	5,950	4,360	4,900
	0.938	171.08	16.124	2,614.0	4,740	4,230	3,900	2,816.0	5,110</														

API Linepipe Performance Ratings

US Standard Units

OD (in)	Wall Thickness (in)	Linear Mass (lb/ft)	ID (in)	Grade X52				Grade X56				Grade X60				Grade X65				Grade X70			
				Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)
1.250	250.55	17.500	3,829.0	5,690	5,840	4,680	4,123.0	6,130	6,180	5,040	4,418.0	6,560	6,520	5,400	4,786.0	7,110	6,920	5,850	5,154.0	7,660	7,320	6,300	
1.312	262.10	17.376	4,005.0	5,970	6,320	4,910	4,314.0	6,430	6,700	5,290	4,622.0	6,890	7,080	5,670	5,007.0	7,460	7,530	6,140	5,392.0	8,040	7,970	6,610	
1.375	273.76	17.250	4,184.0	6,260	6,660	5,150	4,505.0	6,740	7,170	5,540	4,827.0	7,220	7,650	5,940	5,230.0	7,820	8,150	6,440	5,632.0	8,420	8,640	6,930	
22	0.219	50.99	21.562	779.0	910	50	750	839.0	980	50	800	899.0	1,050	50	860	974.0	1,130	50	930	1,049.0	1,220	50	1,000
0.250	58.13	21.500	888.0	1,030	70	850	957.0	1,110	70	920	1,025.0	1,190	70	980	1,110.0	1,290	70	1,060	1,196.0	1,390	70	1,150	
0.281	65.24	21.438	997.0	1,160	100	960	1,074.0	1,250	100	1,030	1,150.0	1,340	100	1,100	1,246.0	1,450	100	1,200	1,342.0	1,560	100	1,290	
0.312	72.34	21.376	1,105.0	1,290	140	1,060	1,190.0	1,390	140	1,140	1,275.0	1,490	140	1,230	1,382.0	1,610	140	1,330	1,488.0	1,740	140	1,430	
0.344	79.64	21.312	1,217.0	1,420	190	1,170	1,311.0	1,530	190	1,260	1,404.0	1,640	190	1,350	1,521.0	1,780	190	1,460	1,638.0	1,920	190	1,580	
0.375	86.69	21.250	1,325.0	1,550	240	1,280	1,427.0	1,670	240	1,370	1,529.0	1,790	240	1,470	1,656.0	1,940	240	1,600	1,783.0	2,090	240	1,720	
0.406	93.72	21.188	1,432.0	1,680	310	1,380	1,542.0	1,810	310	1,490	1,653.0	1,940	310	1,590	1,790.0	2,100	310	1,730	1,928.0	2,260	310	1,860	
0.438	100.96	21.124	1,543.0	1,810	390	1,490	1,662.0	1,950	390	1,610	1,780.0	2,090	390	1,720	1,929.0	2,260	390	1,860	2,077.0	2,440	390	2,010	
0.469	107.95	21.062	1,650.0	1,940	470	1,600	1,777.0	2,090	470	1,720	1,903.0	2,240	470	1,840	2,062.0	2,420	470	2,000	2,221.0	2,610	470	2,150	
0.500	114.92	21.000	1,756.0	2,070	580	1,700	1,891.0	2,230	580	1,830	2,026.0	2,390	580	1,960	2,195.0	2,590	580	2,130	2,364.0	2,780	580	2,290	
0.562	128.79	20.876	1,968.0	2,320	820	1,910	2,120.0	2,500	820	2,060	2,271.0	2,680	820	2,210	2,460.0	2,910	820	2,390	2,650.0	3,130	820	2,570	
0.625	142.81	20.750	2,182.0	2,590	1,120	2,130	2,350.0	2,780	1,120	2,290	2,518.0	2,980	1,140	2,450	2,728.0	3,230	1,140	2,660	2,938.0	3,480	1,140	2,860	
0.688	156.74	20.624	2,395.0	2,850	1,420	2,340	2,580.0	3,060	1,450	2,520	2,764.0	3,280	1,480	2,700	2,994.0	3,560	1,510	2,930	3,224.0	3,830	1,520	3,150	
0.750	170.37	20.500	2,604.0	3,100	1,710	2,550	2,804.0	3,340	1,770	2,750	3,004.0	3,580	1,820	2,950	3,255.0	3,880	1,870	3,190	3,505.0	4,180	1,920	3,440	
0.812	183.92	20.376	2,811.0	3,360	2,000	2,760	3,027.0	3,620	2,080	2,980	3,243.0	3,880	2,150	3,190	3,513.0	4,200	2,230	3,450	3,784.0	4,520	2,310	3,720	
0.875	197.60	20.250	3,020.0	3,620	2,320	2,980	3,252.0	3,900	2,400	3,210	3,484.0	4,180	2,490	3,440	3,775.0	4,520	2,600	3,720	4,065.0	4,870	2,700	4,010	
0.938	211.19	20.124	3,227.0	3,880	2,760	3,190	3,476.0	4,180	2,850	3,440	3,724.0	4,480	2,940	3,680	4,034.0	4,850	3,020	3,990	4,345.0	5,220	3,100	4,300	
1.000	224.49	20.000	3,431.0	4,140	3,200	3,400	3,695.0	4,450	3,330	3,670	3,958.0	4,770	3,440	3,930	4,288.0	5,170	3,580	4,250	4,618.0	5,570	3,690	4,580	
1.062	237.70	19.876	3,633.0	4,390	3,640	3,610	3,912.0	4,730	3,800	3,890	4,191.0	5,070	3,950	4,170	4,541.0	5,490	4,130	4,520	4,890.0	5,910	4,290	4,870	
1.125	251.05	19.750	3,836.0	4,650	4,080	3,830	4,132.0	5,010	4,280	4,120	4,427.0	5,370	4,470	4,420	4,796.0	5,820	4,690	4,790	5,164.0	6,260	4,900	5,150	
1.188	264.31	19.624	4,039.0	4,910	4,520	4,040	4,350.0	5,290	4,960	4,760	4,660.0	5,670	4,990	4,670	5,049.0	6,140	5,250	5,050	5,437.0	6,620	5,510	5,440	
1.250	277.27	19.500	4,237.0	5,170	4,960	4,250	4,563.0	5,570	5,230	4,580	4,889.0	5,970	5,490	4,910	5,297.0	6,460	5,810	5,320	5,704.0	6,960	6,110	5,730	
1.312	290.15	19.376	4,434.0	5,430	5,400	4,470	4,775.0	5,840	5,700	4,810	5,116.0	6,260	6,000	5,150	5,543.0	6,780	6,360	5,580	5,969.0	7,310	6,710	6,010	
1.375	303.16	19.250	4,633.0	5,690	5,840	4,680	4,989.0	6,130	6,180	5,040	5,346.0	6,560	6,520	5,400	5,791.0	7,110	6,920	5,850	6,237.0	7,660	7,320	6,300	
1.438	316.08	19.124	4,830.0	5,950	6,290	4,890	5,202.0	6,410	6,660	5,270	5,573.0	6,860	7,030	5,650	6,038.0	7,440	7,490	6,120	6,502.0	8,010	7,920	6,590	
1.500	328.72	19.000	5,023.0	6,200	6,610	5,110	5,410.0	6,680	7,120	5,500	5,796.0	7,160	7,540	5,890	6,279.0	7,760	8,040	6,380	6,762.0	8,350	8,520	6,870	
24	0.219	55.67	23.562	851.0	830	40	680	916.0	890	40	740	982.0	960	40	790	1,064.0	1,040	40	850	1,145.0	1,120	40	920
0.250	63.47	23.500	970.0	950	50	780	1,045.0	1,020	50	840	1,119.0	1,090	50	900	1,212.0	1,180	50	980	1,306.0	1,280	50	1,050	
0.281	71.25	23.438	1,089.0	1,070	80	880	1,173.0	1,150	80	940	1,256.0	1,230	80	1,010	1,361.0	1,330	80	1,100	1,466.0	1,430	80	1,180	
0.312	79.01	23.376	1,207.0	1,180	110	970	1,300.0	1,270	110	1,050	1,393.0	1,370	110	1,120	1,509.0	1,480	110	1,220	1,625.0	1,590	110	1,310	
0.344	86.99	23.312	1,329.0	1,300	140	1,070	1,432.0	1,400	140	1,160	1,534.0	1,510	140	1,240	1,662.0	1,630	140	1,340	1,790.0	1,760	140	1,440	
0.375	94.71	23.250	1,447.0	1,420	180	1,170	1,559.0	1,530	180	1,260	1,670.0	1,640	180	1,350	1,809.0	1,780	180	1,460	1,948.0	1,910	180	1,580	
0.406	102.40	23.188	1,565.0	1,540	240	1,270	1,685.0	1,660	240	1,360	1,806.0	1,780	240	1,460	1,956.0	1,920	240	1,580	2,107.0	2,070	240	1,710	
0.438	110.32	23.124	1,686.0	1,660	300	1,370	1,816.0	1,790	300	1,470	1,945.0	1,920	300	1,580	2,107.0	2,080	300	1,710	2,270.0	2,240	300	1,840	
0.469	117.97	23.062	1,803.0	1,780	360	1,460	1,942.0	1,920	360	1,580	2,080.0	2,050	360	1,690	2,254.0	2,220	360	1,830	2,427.0	2,390	360	1,970	
0.500	125.61	23.000	1,920.0	1,900	440	1,560	2,067.0	2,040	440	1,680	2,215.0	2,190	440	1,800	2,399.0	2,370	440	1,950	2,584.0	2,550	440	2,100	
0.562	140.81	22.876	2,152.0	2,130	630	1,750	2,317.0	2,290	630	1,890	2,483.0	2,460	630	2,020	2,690.0	2,660	630	2,190	2,897.0	2,870	630	2,360	
0.625	156.17	22.750	2,387.0	2,370	870	1,950	2,570.0	2,550	870	2,100	2,754.0	2,730	870	2,250	2,983.0	2,960	870	2,440	3,213.0	3,190	870	2,630	
0.688	171.45	22.624	2,620.0	2,610	1,150	2,150	2,822.0	2,810	1,160	2,310	3,023.0	3,010	1,170	2,480	3,275.0	3,260	1,170	2,680	3,527.0	3,510	1,170	2,890	
0.750	186.41	22.500	2,849.0	2,840	1,410	2,340	3,068.0	3,060	1,450	2,520	3,287.0	3,280	1,480	2,700	3,561.0	3,550	1,500	2,930	3,835.0	3,830	1,520	3,150	
0.812	201.28	22.376	3,076.0	3,080	1,680	2,530	3,313.0	3,320	1,740	2,730	3,549.0	3,550	1,780	2,920	3,845.0	3,850	1,840	3,170	4,141.0	4,140	1,880	3,410	
0.875	216.30	22.250	3,306.0	3,320	1,960	2,730	3,560.0	3,570	2,030	2,940	3,814.0	3,830	2,100	3,150	4,132.0	4,150	2,180	3,410	4,450.0	4,470	2,240	3,680	
0.938	231.25	22.124	3,534.0	3,560	2,230	2,930	3,806.0	3,830	2,320	3,150	4,078.0	4,100	2,410	3,380	4,417.0	4,450	2,510	3,660	4,757.0	4,790	2,610	3,940	
0.969	238.57	22.062	3,646.0	3,670	2,410	3,020	3,926.0	3,960	2,480	3,260	4,207.0	4,240	2,560	3,490	4,557.0	4,590	2,680	3,780	4,908.0	4,950	2,790	4,070	
1.000	245.87	22.000	3,757.0	3,790	2,610	3,120	4,046.0	4,080	2,690	3,360	4,335.0	4,380	2,760	3,600	4,697.0	4,740	2,850	3,900	5,058.0	5,100	2,970	4,200	
1.062	260.41	21.876	3,980.0	4,030	3,010	3,310	4,286.0	4,340	3,130	3,570	4,592.0	4,650	3,230	3,820	4,974.0	5,030	3,340	4,140	5,357.0	5,420	3,440		

API Linepipe Performance Ratings

US Standard Units

OD (in)	Wall Thickness (in)	Linear Mass (lb/ft)	ID (in)	Grade X52				Grade X56				Grade X60				Grade X65				Grade X70			
				Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)
36	0.219	83.77	35.562	1,280.0	550	10	460	1,379.0	600	10	490	1,477.0	640	10	530	1,600.0	690	10	570	1,723.0	750	10	610
	0.250	95.54	35.500	1,460.0	630	20	520	1,572.0	680	20	560	1,685.0	730	20	600	1,825.0	790	20	650	1,965.0	850	20	700
	0.281	107.30	35.438	1,640.0	710	20	580	1,766.0	760	20	630	1,892.0	820	20	670	2,050.0	890	20	730	2,207.0	960	20	790
	0.312	119.03	35.376	1,819.0	790	30	650	1,959.0	850	30	700	2,099.0	910	30	750	2,274.0	990	30	810	2,449.0	1,060	30	870
	0.344	131.12	35.312	2,004.0	870	40	720	2,158.0	940	40	770	2,312.0	1,000	40	830	2,505.0	1,090	40	890	2,697.0	1,170	40	960
	0.375	142.81	35.250	2,182.0	950	50	780	2,350.0	1,020	50	840	2,518.0	1,090	50	900	2,728.0	1,180	50	980	2,938.0	1,280	50	1,050
	0.406	154.48	35.188	2,361.0	1,030	70	840	2,542.0	1,110	70	910	2,724.0	1,180	70	970	2,951.0	1,280	70	1,060	3,178.0	1,380	70	1,140
	0.438	166.51	35.124	2,545.0	1,110	90	910	2,740.0	1,190	90	980	2,936.0	1,280	90	1,050	3,181.0	1,380	90	1,140	3,425.0	1,490	90	1,230
	0.469	178.14	35.062	2,722.0	1,190	110	980	2,932.0	1,280	110	1,050	3,141.0	1,370	110	1,130	3,403.0	1,480	110	1,220	3,665.0	1,600	110	1,310
	0.500	189.75	35.000	2,900.0	1,260	130	1,040	3,123.0	1,360	130	1,120	3,346.0	1,460	130	1,200	3,625.0	1,580	130	1,300	3,903.0	1,700	130	1,400
	0.562	212.90	34.876	3,254.0	1,420	180	1,170	3,504.0	1,530	180	1,260	3,754.0	1,640	180	1,350	4,067.0	1,780	180	1,460	4,380.0	1,910	180	1,570
	0.625	236.35	34.750	3,612.0	1,580	250	1,300	3,890.0	1,700	250	1,400	4,168.0	1,820	250	1,500	4,515.0	1,970	250	1,630	4,862.0	2,130	250	1,750
	0.688	259.71	34.624	3,969.0	1,740	340	1,430	4,274.0	1,870	340	1,540	4,579.0	2,010	340	1,650	4,961.0	2,170	340	1,790	5,343.0	2,340	340	1,930
	0.750	282.62	34.500	4,319.0	1,900	440	1,560	4,651.0	2,040	440	1,680	4,983.0	2,190	440	1,800	5,399.0	2,370	440	1,950	5,814.0	2,550	440	2,100
	0.812	305.44	34.376	4,668.0	2,050	560	1,690	5,027.0	2,210	560	1,820	5,386.0	2,370	560	1,950	5,835.0	2,570	560	2,110	6,283.0	2,760	560	2,270
	0.875	328.55	34.250	5,021.0	2,210	710	1,820	5,407.0	2,380	710	1,960	5,793.0	2,550	710	2,100	6,276.0	2,760	710	2,280	6,759.0	2,980	710	2,450
	0.938	351.57	34.124	5,373.0	2,370	880	1,950	5,786.0	2,550	880	2,100	6,199.0	2,740	880	2,250	6,716.0	2,960	880	2,440	7,233.0	3,190	880	2,630
	1.000	374.15	34.000	5,718.0	2,530	1,050	2,080	6,158.0	2,720	1,050	2,240	6,597.0	2,920	1,060	2,400	7,147.0	3,160	1,060	2,600	7,697.0	3,400	1,060	2,800
	1.062	396.64	33.876	6,061.0	2,680	1,230	2,210	6,528.0	2,890	1,250	2,380	6,994.0	3,100	1,270	2,550	7,577.0	3,360	1,280	2,760	8,160.0	3,610	1,280	2,970
	1.125	419.41	33.750	6,409.0	2,840	1,410	2,340	6,902.0	3,060	1,450	2,520	7,396.0	3,280	1,480	2,700	8,012.0	3,550	1,500	2,930	8,628.0	3,830	1,520	3,150
	1.188	442.10	33.624	6,756.0	3,000	1,600	2,470	7,276.0	3,230	1,640	2,660	7,796.0	3,470	1,730	2,850	8,445.0	3,750	1,730	3,090	9,095.0	4,040	1,760	3,330
	1.250	464.35	33.500	7,096.0	3,160	1,780	2,600	7,642.0	3,400	1,840	2,800	8,188.0	3,650	1,890	3,000	8,870.0	3,950	1,950	3,250	9,552.0	4,250	2,000	3,500
	1.500	553.21	33.000	8,454.0	3,790	2,610	3,120	9,104.0	4,080	2,690	3,360	9,755.0	4,380	2,760	3,600	10,568.0	4,740	2,850	3,900	11,380.0	5,100	2,970	4,200
48	0.250	127.61	47.500	1,950.0	470	10	390	2,100.0	510	10	420	2,250.0	550	10	450	2,438.0	590	10	490	2,625.0	640	10	530
	0.281	143.34	47.438	2,191.0	530	10	440	2,359.0	570	10	470	2,528.0	610	10	510	2,738.0	670	10	550	2,949.0	720	10	590
	0.312	159.05	47.376	2,431.0	590	10	490	2,618.0	640	10	520	2,805.0	680	10	560	3,038.0	740	10	610	3,272.0	800	10	660
	0.344	175.25	47.312	2,678.0	650	20	540	2,884.0	700	20	580	3,090.0	750	20	620	3,348.0	820	20	670	3,605.0	880	20	720
	0.375	190.92	47.250	2,918.0	710	20	590	3,142.0	770	20	630	3,366.0	820	20	680	3,647.0	890	20	730	3,927.0	960	20	790
	0.406	206.56	47.188	3,157.0	770	30	630	3,400.0	830	30	680	3,642.0	890	30	730	3,946.0	960	30	790	4,249.0	1,040	30	850
	0.438	222.69	47.124	3,403.0	830	40	680	3,665.0	890	40	740	3,927.0	960	40	790	4,254.0	1,040	40	850	4,581.0	1,120	40	920
	0.469	238.30	47.062	3,642.0	890	40	730	3,922.0	960	40	790	4,202.0	1,030	40	840	4,552.0	1,110	40	910	4,902.0	1,200	40	980
	0.500	253.89	47.000	3,880.0	950	50	780	4,178.0	1,020	50	840	4,477.0	1,090	50	900	4,850.0	1,180	50	980	5,223.0	1,280	50	1,050
	0.562	285.00	46.876	4,355.0	1,070	80	880	4,690.0	1,150	80	940	5,025.0	1,230	80	1,010	5,444.0	1,330	80	1,100	5,863.0	1,430	80	1,180
	0.625	316.52	46.750	4,837.0	1,180	110	980	5,209.0	1,280	110	1,050	5,581.0	1,370	110	1,130	6,046.0	1,480	110	1,220	6,511.0	1,600	110	1,310
	0.688	347.97	46.624	5,318.0	1,300	140	1,070	5,727.0	1,400	140	1,160	6,136.0	1,510	140	1,240	6,647.0	1,630	140	1,340	7,158.0	1,760	140	1,440
	0.750	378.83	46.500	5,789.0	1,420	180	1,170	6,235.0	1,530	180	1,260	6,680.0	1,640	180	1,350	7,236.0	1,780	180	1,460	7,793.0	1,910	180	1,580
	0.812	409.60	46.376	6,260.0	1,540	240	1,270	6,741.0	1,660	240	1,360	7,223.0	1,780	240	1,460	7,824.0	1,920	240	1,580	8,426.0	2,070	240	1,710
	0.875	440.79	46.250	6,736.0	1,660	300	1,370	7,254.0	1,790	300	1,470	7,773.0	1,910	300	1,580	8,420.0	2,070	300	1,710	9,068.0	2,230	300	1,840
	0.938	471.90	46.124	7,212.0	1,780	360	1,460	7,766.0	1,920	360	1,580	8,321.0	2,050	360	1,690	9,014.0	2,220	360	1,830	9,708.0	2,390	360	1,970
	1.000	502.43	46.000	7,678.0	1,900	440	1,560	8,269.0	2,040	440	1,680	8,859.0	2,190	440	1,800	9,598.0	2,370	440	1,950	10,336.0	2,550	440	2,100
	1.062	532.87	45.876	8,143.0	2,010	530	1,660	8,770.0	2,170	530	1,780	9,396.0	2,320	530	1,910	10,179.0	2,520	530	2,070	10,962.0	2,710	530	2,230
	1.125	563.73	45.750	8,615.0	2,130	630	1,760	9,278.0	2,300	630	1,890	9,940.0	2,460	630	2,030	10,769.0	2,670	630	2,190	11,597.0	2,870	630	2,360
	1.188	594.50	45.624	9,085.0	2,250	750	1,850	9,784.0	2,430	750	2,000	10,483.0	2,600	750	2,140	11,356.0	2,820	750	2,320	12,230.0	3,030	750	2,490
	1.250	624.69	45.500	9,547.0	2,370	870	1,950	10,281.0	2,550	870	2,100	11,015.0	2,730	870	2,250	11,933.0	2,960	870	2,440	12,851.0	3,190	870	2,630
	1.500	745.62	45.000	11,395.0	2,840	1,410	2,340	12,271.0	3,060	1,450	2,520	13,148.0	3,280	1,480	2,700	14,243.0	3,550	1,500	2,930	15,339.0	3,830	1,520	3,150
54	0.250	143.65	53.500	2,195.0	420	0	350	2,364.0	450	0	370	2,533.0	490	0	400	2,744.0	530	0	430	2,955.0	570	0	470
	0.281	161.37	53.438	2,466.0	470	10	390	2,656.0	510	10	420	2,845.0	550	10	450	3,082.0	590	10	490	3,320.0	640	10	520
	0.312	179.06	53.376	2,736.0	530	10	430	2,947.0	570	10	470	3,157.0	610	10	500	3,421.0	660	10	540	3,684.0	710	10	580
	0.344	197.31	53.312	3,015.0	580	10	480	3,247.0	620	10	510	3,479.0	670	10	550	3,769.0	720	10	600	4,059.0	780	10	640
	0.375	214.97	53.250	3,285.0	630	20	520	3,538.0	680	20	560	3,791.0	730	20	600	4,106.0	790	20	650	4,422.0	850	20	700
	0.406	232.60	53.188	3,555.0	680	20	560	3,828.0	740	20	610	4,10											

API Linepipe Performance Ratings

US Standard Units

				Grade X52				Grade X56				Grade X60				Grade X65				Grade X70			
OD (in)	Wall Thickness (in)	Linear Mass (lb/ft)	ID (in)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)
1.000	0.375	587.95	54.000	8,985.0	1,630	280	1,340	9,676.0	1,750	280	1,440	10,367.0	1,880	280	1,540	11,231.0	2,030	280	1,670	12,095.0	2,190	280	1,800
1.062	0.406	623.70	53.876	9,531.0	1,730	330	1,420	10,264.0	1,860	330	1,530	10,998.0	1,990	330	1,640	11,914.0	2,160	330	1,780	12,831.0	2,320	330	1,910
1.125	0.438	659.94	53.750	10,085.0	1,830	400	1,500	10,861.0	1,970	400	1,620	11,637.0	2,110	400	1,740	12,606.0	2,290	400	1,880	13,576.0	2,460	400	2,030
1.188	0.469	696.09	53.624	10,638.0	1,930	470	1,590	11,456.0	2,080	470	1,710	12,274.0	2,230	470	1,830	13,297.0	2,410	470	1,990	14,320.0	2,600	470	2,140
1.250	0.500	731.59	53.500	11,180.0	2,030	550	1,670	12,040.0	2,190	550	1,800	12,900.0	2,340	550	1,930	13,975.0	2,540	550	2,090	15,050.0	2,730	550	2,250
1.500	0.562	873.90	53.000	13,355.0	2,440	950	2,010	14,382.0	2,630	950	2,160	15,410.0	2,810	950	2,310	16,694.0	3,050	950	2,510	17,978.0	3,280	950	2,700
58	0.375	231.00	57.250	3,530.0	590	10	480	3,802.0	630	10	520	4,073.0	680	10	560	4,413.0	740	10	610	4,752.0	790	10	650
0.406	0.438	249.97	57.188	3,820.0	640	20	520	4,114.0	690	20	560	4,408.0	740	20	600	4,775.0	800	20	660	5,142.0	860	20	710
0.469	0.500	269.52	57.124	4,119.0	690	20	570	4,436.0	740	20	610	4,752.0	790	20	650	5,148.0	860	20	710	5,544.0	930	20	760
0.562	0.625	288.44	57.062	4,408.0	740	30	610	4,747.0	790	30	650	5,086.0	850	30	700	5,510.0	920	30	760	5,934.0	990	30	820
0.625	0.688	307.34	57.000	4,697.0	780	30	650	5,058.0	840	30	700	5,419.0	910	30	740	5,871.0	980	30	810	6,322.0	1,060	30	870
0.750	0.812	345.07	56.876	5,273.0	880	40	730	5,679.0	950	40	780	6,085.0	1,020	40	840	6,592.0	1,100	40	910	7,099.0	1,190	40	980
0.812	0.875	383.34	56.750	5,858.0	980	60	810	6,309.0	1,060	60	870	6,759.0	1,130	60	930	7,323.0	1,230	60	1,010	7,886.0	1,320	60	1,090
0.875	0.938	421.51	56.624	6,442.0	1,080	80	890	6,937.0	1,160	80	960	7,433.0	1,250	80	1,020	8,052.0	1,350	80	1,110	8,671.0	1,450	80	1,200
1.000	1.062	459.00	56.500	7,014.0	1,180	100	970	7,554.0	1,270	100	1,040	8,094.0	1,360	100	1,120	8,768.0	1,470	100	1,210	9,442.0	1,580	100	1,300
1.062	1.125	496.41	56.376	7,586.0	1,270	130	1,050	8,170.0	1,370	130	1,130	8,753.0	1,470	130	1,210	9,483.0	1,590	130	1,310	10,212.0	1,720	130	1,410
1.125	1.188	534.33	56.250	8,166.0	1,370	170	1,130	8,794.0	1,480	170	1,220	9,422.0	1,580	170	1,300	10,207.0	1,720	170	1,410	10,992.0	1,850	170	1,520
1.188	1.250	572.17	56.124	8,744.0	1,470	210	1,210	9,416.0	1,580	210	1,300	10,089.0	1,700	210	1,400	10,930.0	1,840	210	1,510	11,771.0	1,980	210	1,630
1.250	1.500	609.33	56.000	9,312.0	1,570	250	1,290	10,028.0	1,690	250	1,390	10,744.0	1,810	250	1,490	11,640.0	1,960	250	1,610	12,535.0	2,110	250	1,740
1.500	0.250	646.40	55.876	9,878.0	1,670	300	1,370	10,638.0	1,790	300	1,480	11,398.0	1,920	300	1,580	12,348.0	2,080	300	1,710	13,298.0	2,240	300	1,850
0.375	0.406	683.99	55.750	10,453.0	1,770	360	1,450	11,257.0	1,900	360	1,560	12,061.0	2,040	360	1,680	13,066.0	2,210	360	1,820	14,071.0	2,380	360	1,960
0.438	0.469	721.49	55.624	11,026.0	1,860	420	1,530	11,874.0	2,010	420	1,650	12,722.0	2,150	420	1,770	13,782.0	2,330	420	1,920	14,842.0	2,510	420	2,060
0.500	0.562	758.32	55.500	11,589.0	1,960	490	1,610	12,480.0	2,110	490	1,740	13,371.0	2,260	490	1,860	14,486.0	2,450	490	2,020	15,600.0	2,640	490	2,170
0.625	0.688	905.97	55.000	13,845.0	2,350	860	1,940	14,910.0	2,530	860	2,090	15,975.0	2,720	860	2,230	17,306.0	2,940	860	2,420	18,638.0	3,170	860	2,610
60	0.250	159.68	59.500	2,440.0	380	0	310	2,628.0	410	0	340	2,816.0	440	0	360	3,050.0	470	0	390	3,285.0	510	0	420
0.281	0.312	179.39	59.438	2,741.0	430	0	350	2,952.0	460	0	380	3,163.0	490	0	400	3,427.0	530	0	440	3,690.0	570	0	470
0.344	0.375	199.08	59.376	3,042.0	470	10	390	3,276.0	510	10	420	3,510.0	550	10	450	3,803.0	590	10	490	4,095.0	640	10	520
0.406	0.438	219.38	59.312	3,352.0	520	10	430	3,610.0	560	10	460	3,868.0	600	10	500	4,191.0	650	10	540	4,513.0	700	10	580
0.469	0.500	239.02	59.250	3,653.0	570	10	470	3,934.0	610	10	500	4,215.0	660	10	540	4,566.0	710	10	590	4,917.0	770	10	630
0.562	0.625	258.65	59.188	3,953.0	620	10	510	4,257.0	660	10	550	4,561.0	710	10	580	4,941.0	770	10	630	5,321.0	830	10	680
0.625	0.688	278.88	59.124	4,262.0	660	20	550	4,590.0	720	20	590	4,918.0	770	20	630	5,327.0	830	20	680	5,737.0	890	20	740
0.750	0.812	298.46	59.062	4,561.0	710	20	590	4,912.0	770	20	630	5,263.0	820	20	680	5,701.0	890	20	730	6,140.0	960	20	790
0.812	0.875	318.03	59.000	4,860.0	760	30	620	5,234.0	820	30	670	5,608.0	880	30	720	6,075.0	950	30	780	6,542.0	1,020	30	840
0.875	0.938	357.09	58.876	5,457.0	850	40	700	5,877.0	920	40	760	6,297.0	980	40	810	6,821.0	1,070	40	880	7,346.0	1,150	40	940
1.000	1.062	396.70	58.750	6,062.0	950	50	780	6,529.0	1,020	50	840	6,995.0	1,090	50	900	7,578.0	1,180	50	980	8,161.0	1,280	50	1,050
1.062	1.125	436.22	58.624	6,666.0	1,040	70	860	7,179.0	1,120	70	920	7,692.0	1,200	70	990	8,333.0	1,300	70	1,070	8,974.0	1,400	70	1,160
1.125	1.188	475.04	58.500	7,259.0	1,140	90	940	7,818.0	1,230	90	1,010	8,376.0	1,310	90	1,080	9,074.0	1,420	90	1,170	9,772.0	1,530	90	1,260
1.188	1.250	513.77	58.376	7,851.0	1,230	120	1,010	8,455.0	1,330	120	1,170	9,059.0	1,420	120	1,170	9,814.0	1,540	120	1,270	10,569.0	1,660	120	1,360
1.250	1.500	553.04	58.250	8,451.0	1,330	150	1,090	9,102.0	1,430	150	1,180	9,752.0	1,530	150	1,260	10,564.0	1,660	150	1,370	11,377.0	1,790	150	1,470
1.500	0.375	592.23	58.124	9,050.0	1,420	190	1,170	9,747.0	1,530	190	1,260	10,443.0	1,640	190	1,350	11,313.0	1,780	190	1,460	12,183.0	1,920	190	1,580
0.438	0.469	630.71	58.000	9,638.0	1,520	220	1,250	10,380.0	1,630	220	1,340	11,121.0	1,750	220	1,440	12,048.0	1,900	220	1,560	12,975.0	2,040	220	1,680
0.500	0.562	669.11	57.876	10,225.0	1,610	270	1,330	11,012.0	1,730	270	1,430	11,798.0	1,860	270	1,530	12,782.0	2,010	270	1,660	13,765.0	2,170	270	1,780
0.625	0.688	708.04	57.750	10,820.0	1,710	320	1,400	11,653.0	1,840	320	1,510	12,485.0	1,970	320	1,620	13,525.0	2,130	320	1,760	14,566.0	2,300	320	1,890
0.750	0.812	746.89	57.624	11,414.0	1,800	380	1,480	12,292.0	1,940	380	1,600	13,170.0	2,080	380	1,710	14,267.0	2,250	380	1,850	15,365.0	2,430	380	2,000
0.812	0.875	785.04	57.500	11,997.0	1,900	440	1,560	12,920.0	2,040	440	1,680	13,843.0	2,190	440	1,800	14,996.0	2,370	440	1,950	16,150.0	2,550	440	2,100
0.938	1.000	938.04	57.000	14,335.0	2,280	770	1,870	15,438.0	2,450	770	2,020	16,541.0	2,630	770	2,160	17,919.0	2,840	770	2,340	19,297.0	3,060	770	2,520
62	0.375	247.04	61.250	3,775.0	550	10	450	4,066.0	590	10	490	4,356.0	640	10	520	4,719.0	690	10	570	5,082.0	740	10	610
0.406	0.438	267.33	61.188	4,085.0	600	10	490	4,400.0	640	10	530	4,714.0	690	10	570	5,107.0	740	10	610	5,499.0	800	10	660
0.469	0.500	288.25	61.124	4,405.0	640	20	530	4,744.0	690	20	570	5,083.0	740	20	610	5,506.0	800	20	660	5,930.0	870	20	710
0.562	0.625	308.49	61.062	4,714.0	690	20	570	5,077.0	740	20													

API Linepipe Performance Ratings

US Standard Units

OD (in)	Wall Thickness (in)	Linear Mass (lb/ft)	ID (in)	Grade X52				Grade X56				Grade X60				Grade X65				Grade X70			
				Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)
66	1.188	797.69	61.624	12,190.0	1,690	310	1,390	13,128.0	1,820	310	1,500	14,066.0	1,950	310	1,600	15,238.0	2,110	310	1,740	16,410.0	2,270	310	1,870
66	1.250	838.49	61.500	12,814.0	1,780	360	1,460	13,799.0	1,910	360	1,580	14,785.0	2,050	360	1,690	16,017.0	2,220	360	1,830	17,249.0	2,390	360	1,970
66	1.500	1,002.18	61.000	15,315.0	2,130	630	1,760	16,493.0	2,300	630	1,890	17,672.0	2,460	630	2,030	19,144.0	2,670	630	2,190	20,617.0	2,870	630	2,360
66	0.375	263.07	65.250	4,020.0	520	10	430	4,330.0	560	10	460	4,639.0	600	10	490	5,025.0	650	10	530	5,412.0	700	10	570
66	0.406	284.69	65.188	4,351.0	560	10	460	4,685.0	600	10	500	5,020.0	650	10	530	5,438.0	700	10	580	5,857.0	750	10	620
66	0.438	306.97	65.124	4,691.0	600	10	500	5,052.0	650	10	540	5,413.0	700	10	570	5,864.0	750	10	620	6,315.0	810	10	670
66	0.469	328.55	65.062	5,021.0	650	20	530	5,407.0	700	20	570	5,793.0	750	20	610	6,276.0	810	20	670	6,759.0	870	20	720
66	0.500	350.10	65.000	5,350.0	690	20	570	5,762.0	740	20	610	6,173.0	800	20	650	6,688.0	860	20	710	7,202.0	930	20	760
66	0.562	393.14	64.876	6,008.0	770	30	640	6,470.0	830	30	690	6,932.0	890	30	740	7,510.0	970	30	800	8,088.0	1,040	30	860
66	0.625	436.79	64.750	6,675.0	860	40	710	7,188.0	930	40	760	7,702.0	990	40	820	8,344.0	1,080	40	890	8,985.0	1,160	40	950
66	0.688	480.35	64.624	7,341.0	950	50	780	7,905.0	1,020	50	840	8,470.0	1,090	50	900	9,176.0	1,190	50	980	9,882.0	1,280	50	1,050
66	0.750	523.14	64.500	7,995.0	1,030	70	850	8,610.0	1,110	70	920	9,225.0	1,190	70	980	9,993.0	1,290	70	1,060	10,762.0	1,390	70	1,150
66	0.812	565.85	64.376	8,647.0	1,120	90	920	9,312.0	1,210	90	990	9,978.0	1,290	90	1,060	10,809.0	1,400	90	1,150	11,641.0	1,510	90	1,240
66	0.875	609.16	64.250	9,309.0	1,210	110	990	10,025.0	1,300	110	1,070	10,741.0	1,390	110	1,150	11,636.0	1,510	110	1,240	12,532.0	1,620	110	1,340
66	0.938	652.39	64.124	9,970.0	1,290	140	1,060	10,737.0	1,390	140	1,150	11,504.0	1,490	140	1,230	12,462.0	1,620	140	1,330	13,421.0	1,740	140	1,430
66	1.000	694.85	64.000	10,619.0	1,380	170	1,130	11,435.0	1,480	170	1,220	12,252.0	1,590	170	1,310	13,273.0	1,720	170	1,420	14,294.0	1,860	170	1,530
66	1.062	737.22	63.876	11,266.0	1,460	200	1,200	12,133.0	1,580	200	1,300	12,999.0	1,690	200	1,390	14,083.0	1,830	200	1,510	15,166.0	1,970	200	1,620
66	1.125	780.20	63.750	11,923.0	1,550	240	1,280	12,840.0	1,670	240	1,370	13,757.0	1,790	240	1,470	14,904.0	1,940	240	1,600	16,050.0	2,090	240	1,720
66	1.188	823.09	63.624	12,578.0	1,640	280	1,350	13,546.0	1,760	280	1,450	14,514.0	1,890	280	1,560	15,723.0	2,050	280	1,680	16,932.0	2,210	280	1,810
66	1.250	865.22	63.500	13,222.0	1,720	330	1,420	14,239.0	1,860	330	1,530	15,256.0	1,990	330	1,640	16,528.0	2,150	330	1,770	17,799.0	2,320	330	1,910
66	1.500	1,034.25	63.000	15,805.0	2,070	580	1,700	17,021.0	2,230	580	1,830	18,237.0	2,390	580	1,960	19,757.0	2,590	580	2,130	21,276.0	2,780	580	2,290
68	0.375	271.09	67.250	4,143.0	500	10	410	4,461.0	540	10	440	4,780.0	580	10	480	5,178.0	630	10	520	5,577.0	680	10	560
68	0.406	293.37	67.188	4,483.0	540	10	450	4,828.0	590	10	480	5,173.0	630	10	520	5,604.0	680	10	560	6,035.0	730	10	600
68	0.438	316.34	67.124	4,834.0	590	10	480	5,206.0	630	10	520	5,578.0	680	10	560	6,043.0	730	10	600	6,508.0	790	10	650
68	0.469	338.57	67.062	5,174.0	630	20	520	5,572.0	680	20	560	5,970.0	720	20	600	6,468.0	780	20	650	6,965.0	840	20	700
68	0.500	360.79	67.000	5,514.0	670	20	550	5,938.0	720	20	590	6,362.0	770	20	640	6,892.0	840	20	690	7,422.0	900	20	740
68	0.562	405.15	66.876	6,191.0	750	30	620	6,668.0	810	30	670	7,144.0	870	30	710	7,739.0	940	30	770	8,335.0	1,010	30	830
68	0.625	450.15	66.750	6,879.0	840	40	690	7,408.0	900	40	740	7,937.0	970	40	790	8,599.0	1,050	40	860	9,260.0	1,130	40	930
68	0.688	495.06	66.624	7,565.0	920	50	760	8,147.0	990	50	820	8,729.0	1,060	50	870	9,457.0	1,150	50	950	10,184.0	1,240	50	1,020
68	0.750	539.17	66.500	8,240.0	1,000	60	830	8,873.0	1,080	60	890	9,507.0	1,160	60	950	10,300.0	1,250	60	1,030	11,092.0	1,350	60	1,110
68	0.812	583.21	66.376	8,913.0	1,090	80	890	9,598.0	1,170	80	960	10,284.0	1,250	80	1,030	11,141.0	1,360	80	1,120	11,998.0	1,460	80	1,200
68	0.875	627.87	66.250	9,595.0	1,170	100	960	10,333.0	1,260	100	1,040	11,071.0	1,350	100	1,110	11,994.0	1,460	100	1,200	12,916.0	1,580	100	1,300
68	0.938	672.44	66.124	10,276.0	1,260	130	1,030	11,067.0	1,350	130	1,110	11,857.0	1,450	130	1,190	12,845.0	1,570	130	1,290	13,833.0	1,690	130	1,390
68	1.000	716.23	66.000	10,945.0	1,340	150	1,100	11,787.0	1,440	150	1,190	12,629.0	1,540	150	1,270	13,682.0	1,670	150	1,380	14,734.0	1,800	150	1,480
68	1.062	759.93	65.876	11,613.0	1,420	180	1,170	12,507.0	1,530	180	1,260	13,400.0	1,640	180	1,350	14,516.0	1,780	180	1,460	15,633.0	1,910	180	1,570
68	1.125	804.25	65.750	12,291.0	1,510	220	1,240	13,236.0	1,620	220	1,330	14,181.0	1,740	220	1,430	15,363.0	1,880	220	1,550	16,545.0	2,030	220	1,670
68	1.188	848.49	65.624	12,967.0	1,590	260	1,310	13,964.0	1,710	260	1,410	14,961.0	1,830	260	1,510	16,208.0	1,990	260	1,640	17,455.0	2,140	260	1,760
68	1.250	891.94	65.500	13,631.0	1,670	300	1,380	14,679.0	1,800	300	1,480	15,728.0	1,930	300	1,590	17,038.0	2,090	300	1,720	18,349.0	2,250	300	1,850
68	1.500	1,066.32	65.000	16,295.0	2,010	530	1,650	17,549.0	2,160	530	1,780	18,802.0	2,320	530	1,910	20,369.0	2,510	530	2,060	21,936.0	2,700	530	2,220
70	0.375	279.11	69.250	4,265.0	490	10	400	4,593.0	530	10	430	4,922.0	560	10	460	5,332.0	610	10	500	5,742.0	660	10	540
70	0.406	302.05	69.188	4,616.0	530	10	430	4,971.0	570	10	470	5,326.0	610	10	500	5,770.0	660	10	540	6,214.0	710	10	580
70	0.438	325.70	69.124	4,977.0	570	10	470	5,360.0	610	10	500	5,743.0	660	10	540	6,222.0	710	10	590	6,700.0	770	10	630
70	0.469	348.60	69.062	5,327.0	610	10	500	5,737.0	660	10	540	6,147.0	700	10	580	6,659.0	760	10	630	7,171.0	820	10	680
70	0.500	371.48	69.000	5,677.0	650	20	530	6,114.0	700	20	580	6,550.0	750	20	620	7,096.0	810	20	670	7,642.0	880	20	720
70	0.562	417.17	68.876	6,375.0	730	20	600	6,866.0	790	20	650	7,356.0	840	20	690	7,969.0	910	20	750	8,582.0	980	20	810
70	0.625	463.51	68.750	7,083.0	810	30	670	7,628.0	880	30	720	8,173.0	940	30	770	8,854.0	1,020	30	840	9,535.0	1,090	30	900
70	0.688	509.77	68.624	7,790.0	890	50	740	8,389.0	960	50	790	8,989.0	1,030	50	850	9,738.0	1,120	50	920	10,487.0	1,200	50	990
70	0.750	555.21	68.500	8,485.0	980	60	800	9,137.0	1,050	60	860	9,790.0	1,130	60	930	10,606.0	1,220	60	1,000	11,422.0	1,310	60	1,080
70	0.812	600.57	68.376	9,178.0	1,060	80	870	9,884.0	1,140	80	940	10,590.0	1,220	80	1,000	11,472.0	1,320	80	1,090	12,355.0	1,420	80	1,170
70	0.875	646.58	68.250	9,881.0	1,140	90	940	10,641.0	1,230	90	1,010	11,401.0	1,310	90	1,080	12,351.0	1,420	90	1,170	13,301.0	1,530	90	1,260
70	0.938	692.50	68.124	10,583.0	1,220	120	1,00																

API Linepipe Performance Ratings

US Standard Units

				Grade X52				Grade X56				Grade X60				Grade X65				Grade X70			
OD (in)	Wall Thickness (in)	Linear Mass (lb/ft)	ID (in)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)	Pipe Body Yield Strength (x 1000 lbf)	Internal Yield Pressure (psi)	Collapse Pressure (psi)	MAOP (psi)
0.562	441.20	72.876	72.876	6,742.0	690	20	570	7,261.0	740	20	610	7,780.0	800	20	660	8,428.0	860	20	710	9,076.0	930	20	770
0.625	490.23	72.750	72.750	7,492.0	770	30	630	8,068.0	830	30	680	8,644.0	890	30	730	9,365.0	960	30	790	10,085.0	1,030	30	850
0.688	539.19	72.624	72.624	8,240.0	850	40	700	8,874.0	910	40	750	9,507.0	980	40	800	10,300.0	1,060	40	870	11,092.0	1,140	40	940
0.750	587.28	72.500	72.500	8,975.0	920	50	760	9,665.0	990	50	820	10,355.0	1,060	50	880	11,218.0	1,150	50	950	12,081.0	1,240	50	1,020
0.812	635.29	72.376	72.376	9,708.0	1,000	60	820	10,455.0	1,080	60	880	11,202.0	1,150	60	950	12,136.0	1,250	60	1,030	13,069.0	1,340	60	1,110
0.875	683.99	72.250	72.250	10,453.0	1,080	80	890	11,257.0	1,160	80	950	12,061.0	1,240	80	1,020	13,066.0	1,350	80	1,110	14,071.0	1,450	80	1,190
0.938	732.61	72.124	72.124	11,196.0	1,150	100	950	12,057.0	1,240	100	1,020	12,918.0	1,330	100	1,100	13,995.0	1,440	100	1,190	15,071.0	1,550	100	1,280
1.000	780.37	72.000	72.000	11,926.0	1,230	120	1,010	12,843.0	1,320	120	1,090	13,760.0	1,420	120	1,170	14,907.0	1,540	120	1,260	16,054.0	1,660	120	1,360
1.062	828.05	71.876	71.876	12,654.0	1,310	140	1,070	13,628.0	1,410	140	1,160	14,601.0	1,510	140	1,240	15,818.0	1,630	140	1,340	17,034.0	1,760	140	1,450
1.125	876.41	71.750	71.750	13,393.0	1,380	170	1,140	14,423.0	1,490	170	1,230	15,454.0	1,600	170	1,310	16,742.0	1,730	170	1,420	18,029.0	1,860	170	1,530
1.188	924.69	71.624	71.624	14,131.0	1,460	200	1,200	15,218.0	1,570	200	1,290	16,305.0	1,690	200	1,390	17,664.0	1,830	200	1,500	19,023.0	1,970	200	1,620
1.250	972.12	71.500	71.500	14,856.0	1,540	230	1,260	15,999.0	1,660	230	1,360	17,141.0	1,770	230	1,460	18,570.0	1,920	230	1,580	19,998.0	2,070	230	1,700
1.500	1,162.53	71.000	71.000	17,766.0	1,840	410	1,520	19,132.0	1,990	410	1,630	20,499.0	2,130	410	1,750	22,207.0	2,310	410	1,900	23,915.0	2,480	410	2,040
76	0.406	328.09	75.188	5,014.0	490	10	400	5,399.0	520	10	430	5,785.0	560	10	460	6,267.0	610	10	500	6,749.0	650	10	540
	0.438	353.80	75.124	5,407.0	520	10	430	5,823.0	560	10	460	6,238.0	610	10	500	6,758.0	660	10	540	7,278.0	710	10	580
	0.469	378.68	75.062	5,787.0	560	10	460	6,232.0	600	10	500	6,677.0	650	10	530	7,234.0	700	10	580	7,790.0	760	10	620
	0.500	403.55	75.000	6,167.0	600	10	490	6,641.0	640	10	530	7,116.0	690	10	570	7,709.0	750	10	620	8,302.0	810	10	660
	0.562	453.21	74.876	6,926.0	670	20	550	7,459.0	720	20	600	7,992.0	780	20	640	8,657.0	840	20	690	9,323.0	910	20	750
	0.625	503.60	74.750	7,696.0	750	30	620	8,288.0	810	30	660	8,880.0	860	30	710	9,620.0	940	30	770	10,360.0	1,010	30	830
	0.688	553.90	74.624	8,465.0	820	40	680	9,116.0	890	40	730	9,767.0	950	40	780	10,581.0	1,030	40	850	11,395.0	1,110	40	910
	0.750	603.31	74.500	9,220.0	900	50	740	9,929.0	970	50	800	10,638.0	1,040	50	850	11,525.0	1,120	50	920	12,411.0	1,210	50	990
	0.812	652.65	74.376	9,974.0	970	60	800	10,741.0	1,050	60	860	11,508.0	1,120	60	920	12,467.0	1,220	60	1,000	13,426.0	1,310	60	1,080
	0.875	702.70	74.250	10,739.0	1,050	70	860	11,565.0	1,130	70	930	12,391.0	1,210	70	990	13,423.0	1,310	70	1,080	14,456.0	1,410	70	1,160
	0.938	752.66	74.124	11,502.0	1,120	90	920	12,387.0	1,210	90	1,000	13,272.0	1,300	90	1,070	14,378.0	1,400	90	1,160	15,484.0	1,510	90	1,240
	1.000	801.75	74.000	12,252.0	1,200	110	990	13,195.0	1,290	110	1,060	14,137.0	1,380	110	1,140	15,315.0	1,500	110	1,230	16,493.0	1,610	110	1,330
	1.062	850.75	73.876	13,001.0	1,270	130	1,050	14,001.0	1,370	130	1,130	15,001.0	1,470	130	1,210	16,251.0	1,590	130	1,310	17,502.0	1,710	130	1,410
	1.125	900.46	73.750	13,761.0	1,350	160	1,110	14,819.0	1,450	160	1,190	15,878.0	1,550	160	1,280	17,201.0	1,680	160	1,390	18,524.0	1,810	160	1,490
	1.188	950.09	73.624	14,519.0	1,420	190	1,170	15,636.0	1,530	190	1,260	16,753.0	1,640	190	1,350	18,149.0	1,780	190	1,460	19,545.0	1,910	190	1,580
	1.250	998.84	73.500	15,264.0	1,500	220	1,230	16,438.0	1,610	220	1,330	17,613.0	1,730	220	1,420	19,080.0	1,870	220	1,540	20,548.0	2,010	220	1,660
	1.500	1,194.60	73.000	18,256.0	1,800	380	1,480	19,660.0	1,930	380	1,590	21,064.0	2,070	380	1,710	22,820.0	2,250	380	1,850	24,575.0	2,420	380	1,990
78	0.406	336.77	77.188	5,146.0	470	10	390	5,542.0	510	10	420	5,938.0	550	10	450	6,433.0	590	10	490	6,928.0	640	10	520
	0.438	363.16	77.124	5,550.0	510	10	420	5,977.0	550	10	450	6,404.0	590	10	490	6,937.0	640	10	530	7,471.0	690	10	570
	0.469	388.71	77.062	5,940.0	550	10	450	6,397.0	590	10	480	6,854.0	630	10	520	7,425.0	680	10	560	7,996.0	740	10	610
	0.500	414.24	77.000	6,330.0	580	10	480	6,817.0	630	10	520	7,304.0	670	10	550	7,913.0	730	10	600	8,522.0	790	10	650
	0.562	465.23	76.876	7,110.0	660	20	540	7,656.0	710	20	580	8,203.0	760	20	620	8,887.0	820	20	670	9,571.0	880	20	730
	0.625	516.96	76.750	7,900.0	730	20	600	8,508.0	790	20	650	9,116.0	840	20	690	9,875.0	910	20	750	10,635.0	980	20	810
	0.688	568.61	76.624	8,689.0	800	30	660	9,358.0	860	30	710	10,026.0	930	30	760	10,862.0	1,000	30	830	11,697.0	1,080	30	890
	0.750	619.35	76.500	9,465.0	880	40	720	10,193.0	940	40	780	10,921.0	1,010	40	830	11,831.0	1,090	40	900	12,741.0	1,180	40	970
	0.812	670.01	76.376	10,239.0	950	50	780	11,027.0	1,020	50	840	11,814.0	1,090	50	900	12,799.0	1,180	50	970	13,783.0	1,280	50	1,050
	0.875	721.41	76.250	11,024.0	1,020	70	840	11,872.0	1,100	70	900	12,721.0	1,180	70	970	13,781.0	1,280	70	1,050	14,841.0	1,370	70	1,130
	0.938	772.71	76.124	11,809.0	1,090	80	900	12,717.0	1,180	80	970	13,625.0	1,260	80	1,040	14,761.0	1,370	80	1,130	15,896.0	1,470	80	1,210
	1.000	823.13	76.000	12,579.0	1,170	100	960	13,547.0	1,260	100	1,030	14,514.0	1,350	100	1,110	15,724.0	1,460	100	1,200	16,933.0	1,570	100	1,290
	1.062	873.46	75.876	13,348.0	1,240	120	1,020	14,375.0	1,330	120	1,100	15,402.0	1,430	120	1,180	16,685.0	1,550	120	1,270	17,969.0	1,670	120	1,370
	1.125	924.51	75.750	14,128.0	1,310	150	1,080	15,215.0	1,410	150	1,160	16,302.0	1,510	150	1,250	17,660.0	1,640	150	1,350	19,019.0	1,770	150	1,450
	1.188	975.49	75.624	14,907.0	1,390	170	1,140	16,054.0	1,490	170	1,230	17,201.0	1,600	170	1,320	18,634.0	1,730	170	1,430	20,068.0	1,870	170	1,540
	1.250	1,025.57	75.500	15,673.0	1,460	200	1,200	16,878.0	1,570	200	1,290	18,084.0	1,680	200	1,380	19,591.0	1,820	200	1,500	21,098.0	1,960	200	1,620
	1.500	1,226.67	75.000	18,746.0	1,750	350	1,440	20,188.0	1,880	350	1,550	21,630.0	2,020	350	1,660	23,432.0	2,190	350	1,800	25,235.0	2,360	350	1,940
80	0.406	345.45	79.188	5,279.0	460	10	380	5,685.0	500	10	410	6,091.0	530	10	440	6,599.0	580	10	480	7,106.0	620	10	510
	0.438	372.53	79.124	5,693.0	500	10	410	6,131.0	540	10	440	6,569.0	570	10	470	7,116.0	620	10	510	7,664.0	670	10	550
	0.469	398.74	79.062	6,093.0	530	10	440	6,562.0	570	10	470	7,031.0	620	10	510	7,617.0	670	10	550	8,203.0	720	10	590
	0.500	424.93	79.000	6,494.0	570	10	470	6,993.0															