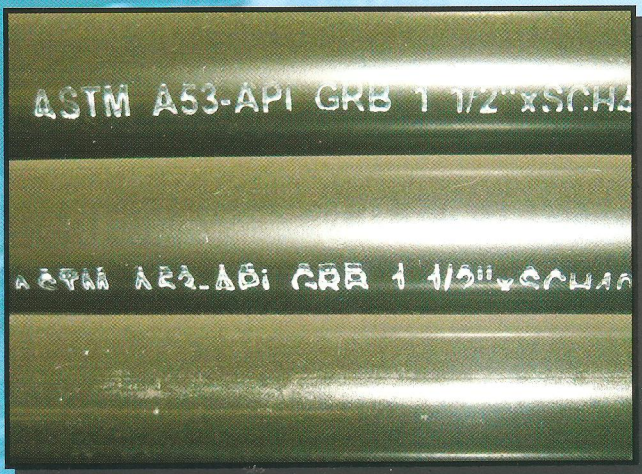


M E S

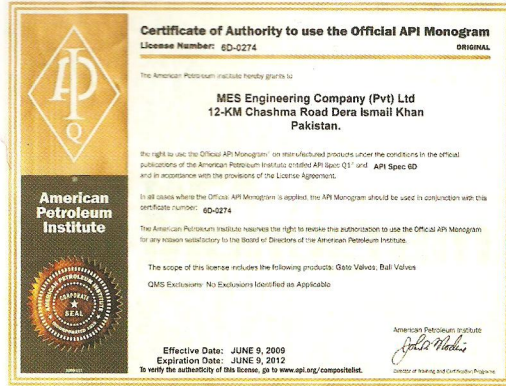
ENGINEERING COMPANY (Pvt) Ltd.

Deep Well Casing & High Pressure Steel Pipes





Quality Certification



MES Engineering Company (Pvt) Ltd is the manufacturing of M.S. and G.I. Steel Linepipes from diameters from 1/2" to 18" and thickness from 1.2mm to 10.0mm. The steel linepipes are duly manufactured from the requisite raw material (Hot-Rolled Coils) on our Latest Japanese High Frequency Welding Plant which is a new Development in the continues welding technology. Our production is according to the recognized international standards such as API, BSS and ASTM. Our product of Steel Linepipes is being used in different projects of water, gas and petroleum etc.

Our product of Steel Linepipes is as good as Seamless Pipes and thus being used in many projects where seamless pipes are required. We have different processes of coating, galvanizing, threading, testing and coupling in order to ensure the excellent performance, durability and dependability. Galvanizing is carried out on the latest process of Hot Dip Galvanizing to increase the life of Steel Linepipes.

Quality control is a sensitive subject in the line of steel linepipes. Our all steel linepipes are properly inspected tested according to their intended use to ensure the optimum level of quality. Steel linepipes are duly tested through Eddy Current Testing and Hydrostatic Pressure Testing upto specified pressure before delivery to the entire satisfaction of the valued customer.

We are duly registered with the various Government, Semi Government and Private Organizations.



ERW Steel Linepipe Mill



MES Engineering Company (Pvt) Ltd



Available Size Range Of ERW Steel Linepipe

O.D.	W.T.		0.047	0.071	0.079	0.091	0.098	0.125	0.141	0.156	0.172	0.188	0.208	0.219	0.236	0.250	0.280	0.312	0.344	0.375	0.400	
	Inch	mm	1.2	1.8	2.0	2.35	2.65	3.25	3.65	4.05	4.50	4.85	5.0	5.6	6.0	6.4	7.1	7.9	8.7	9.5	10	
Inch	mm																					
0.840	21.3																					
1.050	26.7																					
1.315	33.4																					
1.660	42.3																					
1.900	48.3																					
2.375	60.3																					
2.875	73.0																					
3.000	76.6																					
3.500	88.9																					
4.000	101.6																					
4.500	114.3																					
5.000	127.0																					
5.500	139.7																					
5.563	141.3																					
6.500	165.1																					
6.625	168.3																					
7.500	190.0																					
8.500	216.0																					
8.625	219.1																					
10.750	273.1																					
12.750	323.9																					
14.000	355.6																					
16.000	406.4																					
18.000	457.2																					
20.000	508.0																					



BS 1387 : 1985 Steel Tubes and Tubulars (Light, Medium, Heavy)

Nominal Bore	Outside Diameter				Thickness		Weight		
	Maximum		Minimum				Plain End		
Inch	Inch	mm	Inch	mm	Inch	mm	Kg/ft	Kg/m	
Light	1/2	0.841	21.4	0.825	21.0	.080	2.00	.290	.952
	3/4	1.059	26.9	1.041	26.4	.092	2.35	.428	1.41
	1	1.328	33.9	1.309	33.2	.104	2.65	.612	2.01
	1-1/4	1.670	42.5	1.650	41.9	.104	2.65	.785	2.58
	1-1/2	1.903	48.4	1.882	47.8	.116	2.90	.993	3.25
	2	2.370	60.2	2.347	59.6	.116	2.90	1.25	4.11
	2-1/2	2.991	76.0	2.960	75.2	.128	3.25	1.77	5.80
	3	3.491	88.7	3.460	87.9	.128	3.25	2.08	6.81
	4	4.481	113.9	4.450	113.0	.144	3.65	3.01	9.89
Medium	1/2	0.856	21.7	0.831	21.1	.104	2.65	.373	1.22
	3/4	1.072	27.2	1.047	26.6	.104	2.65	.481	1.58
	1	1.346	34.2	1.316	33.4	.128	3.25	.744	2.44
	1-1/4	1.687	42.9	1.657	42.1	.128	3.25	.957	3.14
	1-1/2	1.919	48.8	1.889	48.0	.128	3.25	1.10	3.61
	2	2.394	60.8	2.354	59.8	.144	3.65	1.55	5.10
	2-1/2	3.014	76.6	2.969	75.4	.144	3.65	1.99	6.52
	3	3.524	89.5	3.460	88.1	.160	4.05	2.58	8.47
	4	4.524	114.9	4.459	113.3	.176	4.50	3.69	12.1
Heavy	1/2	0.856	21.7	0.831	21.1	.128	3.25	.443	1.45
	3/4	1.072	27.2	1.047	26.6	.128	3.25	.576	1.90
	1	1.346	34.2	1.316	33.4	.160	4.05	.907	2.97
	1-1/4	1.687	42.9	1.657	42.1	.160	4.05	1.17	3.84
	1-1/2	1.919	48.8	1.889	48.0	.160	4.05	1.35	4.43
	2	2.394	60.8	2.354	59.8	.176	4.50	1.89	6.17
	2-1/2	3.014	76.6	2.969	75.4	.176	4.50	2.41	7.90
	3	3.524	89.5	3.460	88.1	.192	4.85	3.07	10.1
	4	4.524	114.9	4.459	113.3	.212	5.40	4.40	14.4
5	5.534	140.6	5.459	138.7	.212	5.40	5.44	17.8	
6	6.539	166.1	6.459	164.1	.212	5.40	5.85	21.2	

Permissible Variations in Weight

Single length of 20 ft	+ 8 %
	+10 %
Lots of 500 ft and over	± 4 %
Hydrostatic test pressure	700 PSI

Formula to Calculate Weight of Steel Pipes

applicable for BS, API, & ASTM Standards

$$W = (D-t) \times t \times 4.85 \text{ (Kgs per foot)}$$

D = Outside Diameter (inch)

T = Thickness (inch)

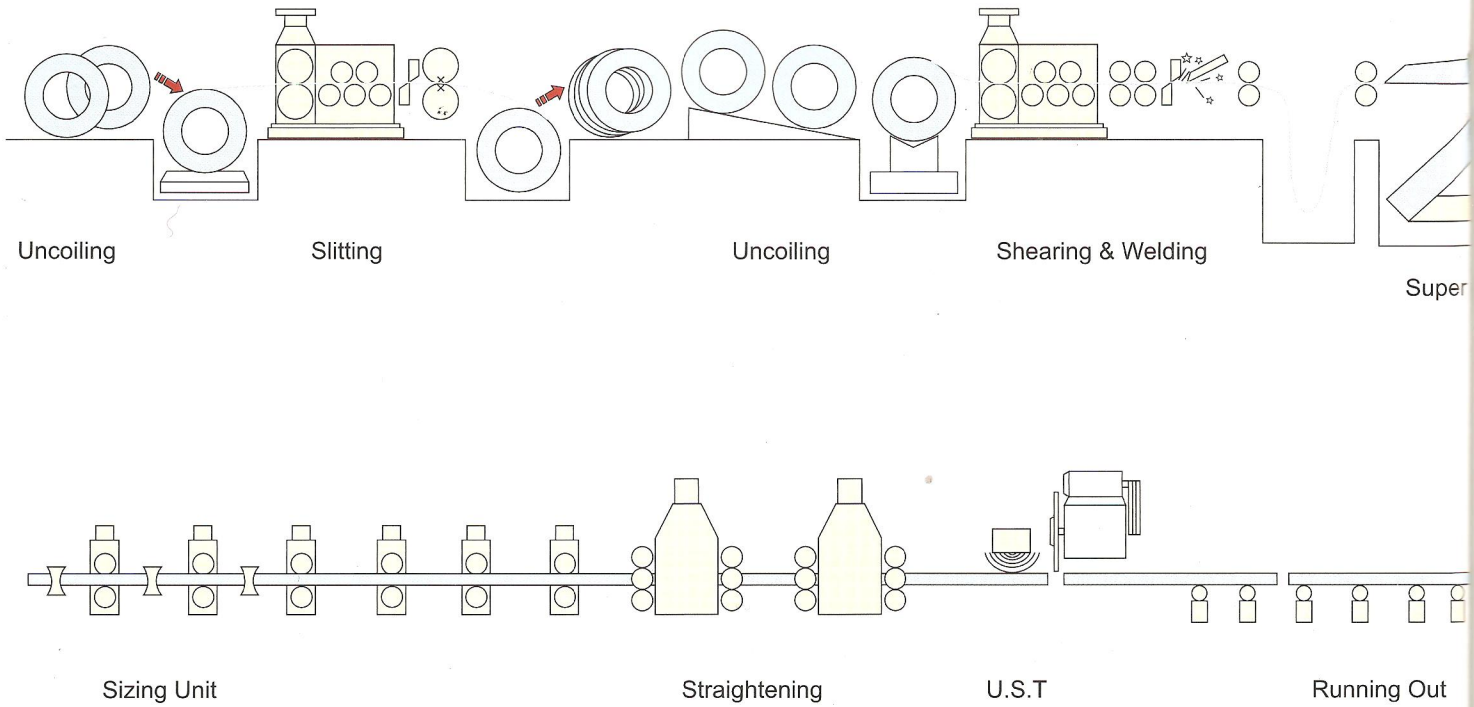


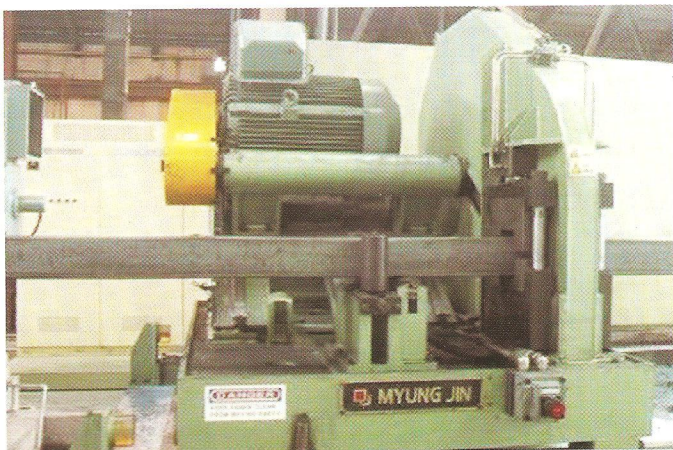
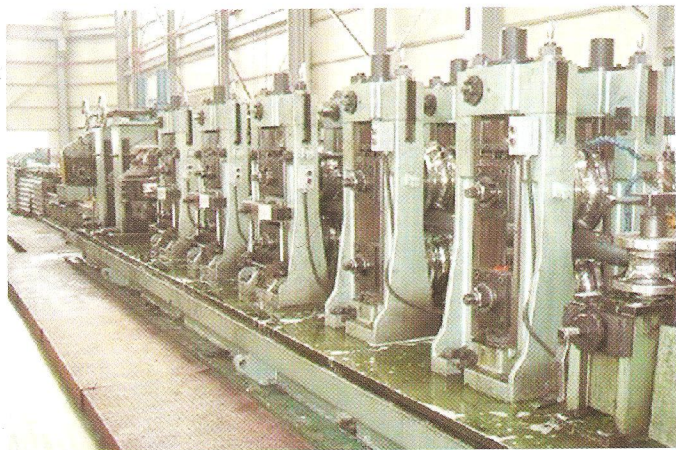
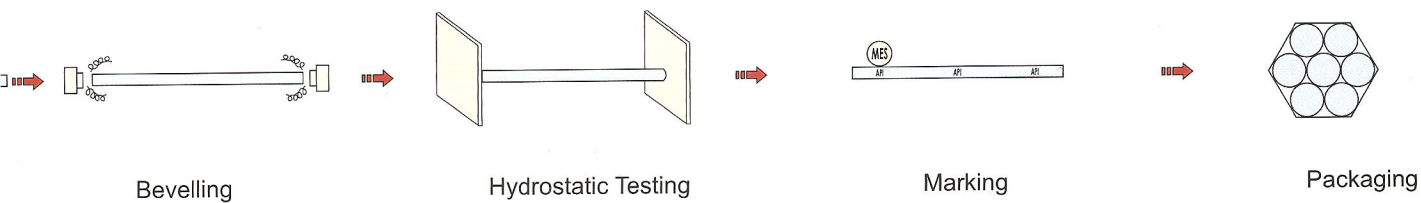
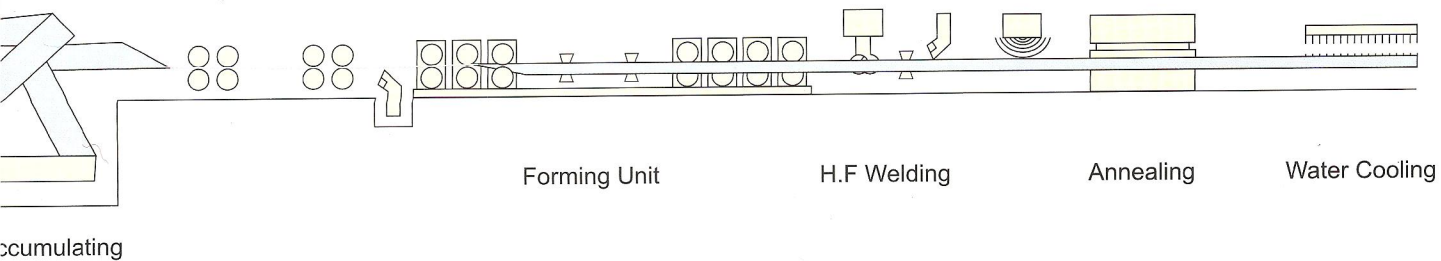
ASTM A53 Plain End Pipe

Nominal Size	Outside Diameter		Wall Thickness			Weight		Test Pressure			
								Grade A		Grade B	
Inch	Inch	mm	Inch	mm	Sch. No.	Lbs/ft	Kg/m	Psi	Kg /cm ²	Psi	Kg /cm ²
1/2	0.840	21.3	0.109	2.77	40 (STD)	0.85	1.26	700	49	700	49
			0.147	3.73	80 (XS)	1.09	1.62	850	60	850	60
3/4	1.050	26.7	0.113	2.87	40 (STD)	1.13	1.68	700	49	700	49
			0.154	3.91	80 (XS)	1.47	2.19	850	60	850	60
1	1.315	33.4	0.133	3.38	40 (STD)	1.68	2.50	700	49	700	49
			0.179	4.55	80 (XS)	2.17	3.23	850	60	850	60
1-1/4	1.660	42.2	0.140	3.56	40 (STD)	2.27	3.38	1,000	70	1,100	77
			0.191	4.85	80 (XS)	3.00	4.46	1,500	105	1,600	112
1-1/2	1.900	48.3	0.145	3.68	40 (STD)	2.72	4.05	1,000	70	1,100	77
			0.200	5.08	80 (XS)	3.63	5.40	1,500	105	1,600	112
2	2.875	60.3	0.154	3.91	40 (STD)	3.65	5.43	2,300	162	2,500	176
			0.218	5.54	80 (XS)	5.02	7.47	2,500	176	2,500	176
2-1/2	2.875	73.0	0.203	5.16	40 (STD)	5.79	8.62	2,500	176	2,500	176
			0.276	7.01	80 (XS)	7.66	11.40	2,500	176	2,500	176
3	3.500	88.9	0.216	5.49	40 (STD)	7.58	11.28	2,220	156	2,500	176
			0.300	7.62	80 (XS)	10.25	15.25	2,500	176	2,500	176
3-1/2	4.000	101.6	0.226	5.74	40 (STD)	9.11	13.56	2,030	143	2,370	167
			0.318	8.08	80 (XS)	12.51	18.62	2,800	197	2,800	197
4	4.500	114.3	0.237	6.02	40 (STD)	10.79	16.06	1,900	134	2,210	155
			0.337	8.56	80 (XS)	14.98	22.29	2,700	190	2,800	197
5	5.563	141.3	0.258	6.55	40 (STD)	14.62	21.76	1,670	117	1,950	137
			0.375	9.53	80 (XS)	20.78	30.92	2,430	171	2,800	197
6	6.625	168.3	0.280	7.11	40 (STD)	18.97	28.23	1,520	107	1,780	125
8	8.625	219.1	0.250	6.35	20	22.36	33.28	1,040	73	1,220	86
			0.277	7.04	30	24.70	36.76	1,160	82	1,350	95
			0.322	8.18	40 (STD)	28.55	42.49	1,340	94	1,570	110
10	10.750	273.0	0.250	6.35	20	28.04	41.78	1,840	59	1,980	69
			0.279	7.09	-	31.20	46.43	1,930	65	1,090	77
			0.307	7.88	30	34.24	50.95	1,030	72	1,200	84
			0.365	9.27	40 (STD)	40.48	60.24	1,220	86	1,430	101
12	12.750	323.8	0.250	6.35	20	33.38	49.67	710	50	820	58
			0.330	8.38	30	43.78	65.14	930	65	1,090	77
			0.375	9.53	STD	49.56	73.75	1,060	75	1,240	87
14	14.000	355.6	0.250	6.35	10	36.71	54.63	640	45	750	53
			0.312	7.92	20	45.61	67.94	800	56	940	66
			0.375	9.53	30 (STD)	54.57	81.21	960	67	1,120	79
16	16.000	406.4	0.250	6.35	10	42.05	62.58	560	39	660	46
			0.312	7.92	20	52.27	77.86	700	49	820	58
			0.375	9.53	30 (STD)	62.58	93.13	840	59	1,980	69
18	18.000	457.2	0.250	6.35	10	47.39	70.52	500	35	580	41
			0.312	7.92	20	58.94	87.79	620	44	730	51
			0.375	9.53	STD	70.59	105.05	750	53	880	62
20	20.000	508.0	0.250	6.35	10	52.73	78.54	450	32	520	37
			0.375	9.53	20 (STD)	78.60	117.07	680	48	790	56



Manufacturing Flow Chat Of ERW Pipe Mill







API 5L Plain End Linepipe (Grade A and B)

Outside Diameter		Wall Thickness		Weight		Test Pressure			
Inch	mm	Inch	mm	Lbs/ft	Kg/m	Grade A		Grade B	
						Psi	Kg/cm ²	Psi	Kg/cm ²
5- ⁹ / ₁₆	141.3	0.083	2.1	4.86	7.92	540	38	630	44
5- ⁹ / ₁₆	141.3	0.125	3.2	7.26	10.90	810	57	940	66
5- ⁹ / ₁₆	141.3	0.156	4.0	9.01	13.54	1,010	71	1,180	83
5- ⁹ / ₁₆	141.3	0.188	4.8	10.79	16.16	1,220	86	1,420	100
5- ⁹ / ₁₆	141.3	0.219	5.6	12.50	18.74	1,420	100	1,650	116
5- ⁹ / ₁₆	141.3	0.258	6.6	14.62	21.92	1,670	117	1,950	137
5- ⁹ / ₁₆	141.3	0.281	7.1	15.85	23.50	1,820	128	2,120	149
5- ⁹ / ₁₆	141.3	0.312	7.9	17.50	25.99	2,020	142	2,360	166
6- ⁵ / ₈	168.3	0.083	2.1	5.86	8.61	450	32	530	37
6- ⁵ / ₈	168.3	0.109	2.8	7.59	11.43	590	41	690	49
6- ⁵ / ₈	168.3	0.125	3.2	8.68	13.03	680	48	790	56
6- ⁵ / ₈	168.3	0.141	3.6	9.76	14.62	770	54	890	63
6- ⁵ / ₈	168.3	0.156	4.0	10.78	16.21	850	60	990	70
6- ⁵ / ₈	168.3	0.172	4.4	11.85	17.78	930	65	1,090	77
6- ⁵ / ₈	168.3	0.188	4.8	12.92	19.35	1,020	72	1,190	84
6- ⁵ / ₈	168.3	0.203	5.2	13.92	20.91	1,100	77	1,290	91
6- ⁵ / ₈	168.3	0.219	5.6	14.98	22.47	1,190	84	1,390	98
6- ⁵ / ₈	168.3	0.250	6.4	17.02	25.55	1,360	96	1,580	111
6- ⁵ / ₈	168.3	0.280	7.1	18.97	28.22	1,520	107	1,780	125
6- ⁵ / ₈	168.3	0.312	7.9	21.04	31.25	1,700	120	1,980	139
6- ⁵ / ₈	168.3	0.344	8.7	23.08	34.24	1,870	131	2,180	153
6- ⁵ / ₈	168.3	0.375	9.5	25.03	37.20	2,040	143	2,380	167
8- ⁵ / ₈	219.1	0.125	3.2	11.35	17.04	520	37	610	43
8- ⁵ / ₈	219.1	0.156	4.0	14.11	21.22	650	46	760	53
8- ⁵ / ₈	219.1	0.188	4.8	16.94	25.37	780	55	920	65
8- ⁵ / ₈	219.1	0.219	5.6	19.66	29.48	910	64	1,070	75
8- ⁵ / ₈	219.1	0.250	6.4	22.36	33.57	1,040	73	1,220	86
8- ⁵ / ₈	219.1	0.277	7.0	24.70	36.61	1,160	82	1,350	95
8- ⁵ / ₈	219.1	0.312	7.9	26.70	41.14	1,300	91	1,520	107
8- ⁵ / ₈	219.1	0.322	8.2	28.58	42.65	1,340	94	1,570	110
8- ⁵ / ₈	219.1	0.344	8.7	30.42	45.14	1,440	101	1,680	118
8- ⁵ / ₈	219.1	0.375	9.5	33.04	49.10	1,570	110	1,830	129
10- ³ / ₄	273.1	0.156	4.0	17.65	26.54	520	37	610	43
10- ³ / ₄	273.1	0.188	4.8	21.21	31.76	630	44	730	51
10- ³ / ₄	273.1	0.219	5.6	24.63	36.94	730	51	860	60
10- ³ / ₄	273.1	0.250	6.4	28.04	42.09	840	59	980	69
10- ³ / ₄	273.1	0.279	7.1	31.20	46.57	930	65	1,090	77
10- ³ / ₄	273.1	0.307	7.8	34.24	51.03	1,030	72	1,200	84
10- ³ / ₄	273.1	0.344	8.7	38.23	56.72	1,150	81	1,340	94
10- ³ / ₄	273.1	0.365	9.3	40.48	60.50	1,220	86	1,430	101
12- ³ / ₄	323.9	0.172	4.4	23.11	34.67	490	34	570	40
12- ³ / ₄	323.9	0.188	4.8	25.22	37.77	530	37	620	44
12- ³ / ₄	323.9	0.219	5.6	29.31	43.96	620	44	720	51
12- ³ / ₄	323.9	0.250	6.4	33.38	50.11	710	50	820	58
12- ³ / ₄	323.9	0.281	7.1	37.42	55.47	790	56	930	65
12- ³ / ₄	323.9	0.312	7.9	41.45	61.56	880	62	1,030	72
12- ³ / ₄	323.9	0.330	8.4	43.77	66.35	930	65	1,090	77
12- ³ / ₄	323.9	0.344	8.7	45.58	67.62	970	68	1,130	79
12- ³ / ₄	323.9	0.375	9.5	49.56	73.65	1,060	75	1,240	87



API 5L Plain End Linepipe (Grade A and B)

Outside Diameter		Wall Thickness		Weight		Test Pressure			
						Grade A		Grade B	
Inch	mm	Inch	mm	Lbs/ft	Kg/m	Psi	Kg /cm ²	Psi	Kg /cm ²
14	355.6	0.188	4.8	27.73	41.52	480	34	560	39
14	355.6	0.203	5.2	29.91	44.93	520	37	610	43
14	355.6	0.250	6.4	36.71	55.11	640	45	750	53
14	355.6	0.281	7.1	41.17	61.02	720	51	840	59
14	355.6	0.312	7.9	45.61	67.74	800	56	940	66
14	355.6	0.344	8.7	50.17	74.42	880	62	1,030	72
14	355.6	0.375	9.5	54.57	81.08	960	67	1,120	79
16	406.4	0.188	4.8	31.75	47.54	420	30	490	34
16	406.4	0.203	5.2	34.25	51.45	460	32	530	37
16	406.4	0.219	5.6	36.91	55.35	490	34	570	40
16	406.4	0.250	6.4	42.05	63.13	560	39	660	46
16	406.4	0.381	7.1	47.17	69.91	630	44	740	52
16	406.4	0.312	7.9	52.27	77.63	700	49	820	58
16	406.4	0.344	8.7	57.52	85.32	770	54	900	63
16	406.4	0.375	9.5	62.58	92.98	840	59	980	69
18	457.0	0.188	4.8	35.76	53.53	380	27	440	31
18	457.0	0.219	5.6	41.59	62.34	440	31	510	36
18	457.0	0.250	6.4	47.39	71.12	500	35	580	41
18	457.0	0.281	7.1	53.18	78.77	560	39	660	46
18	457.0	0.312	7.9	58.94	87.49	620	44	730	51
18	457.0	0.344	8.7	64.87	96.18	690	49	800	56
18	457.0	0.375	9.5	70.59	104.84	750	53	880	62
20	508.0	0.219	5.6	46.27	69.38	390	27	460	32
20	508.0	0.250	6.4	52.73	79.16	450	32	520	37
20	508.0	0.281	7.1	59.18	87.70	510	36	590	41
20	508.0	0.312	7.9	65.60	97.43	560	39	660	46
20	508.0	0.344	8.7	72.21	107.12	620	44	720	51
20	508.0	0.375	9.5	78.60	116.78	680	48	790	56

Tolerance for Wall Thickness

Size	Type of Pipe	Tolerance (Percent of Specified Wall Thickness)	
		Grade B or Lower	Grade X-42 or Higher
≤ 2 7/8	All	+ 20.0, - 12.5	+ 15.0, - 12.5
> 2 7/8 and < 20	All	+ 15.0, - 12.5	+ 15.0, - 12.5

Tolerance for Diameter of Pipe Body

Size	Tolerance ^a (with respect to specified outside diameter)
≤ 2 3/8	+ 0.016 in., - 0.031 in. (+ 0.41 mm, - 0.79 mm)
≥ 2 3/8 and ≤ 4 1/2 continuous welded	± 1.00 %
≥ 2 3/8 and < 20	± 0.75 %

Tolerance for Diameter of Pipe Ends

Size	Minus Tolerance	Plus Tolerance
≤ 10 3/4	1/64 (0.40 mm)	1/16 (1.59 mm)
> 10 3/4 and ≤ 20	1/32 (0.79 mm)	3/32 (2.38 mm)

^aIn the case of pipe hydrostatically tested to pressures in excess of standard test pressures, other tolerances may be agreed upon between the manufacturer and the purchaser.



API 5L Plain End Linepipe (X-42, X-46, X-52)

Outside Diameter		Wall Thickness		Weight		Test Pressure					
						X-42		X-46		X-52	
Inch	mm	Inch	mm	Lbs/ft	Kg/m	Psi	Kg /cm ²	Psi	Kg /cm ²	Psi	Kg /cm ²
6-5/8	168.3	0.083	2.1	5.80	8.61	790	56	860	60	980	69
6-5/8	168.3	0.109	2.8	7.59	11.43	1,040	73	1,143	80	1,280	90
6-5/8	168.3	0.125	3.2	8.68	13.03	1,190	84	1,300	91	1,470	103
6-5/8	168.3	0.141	3.6	9.76	14.62	1,340	94	1,470	103	1,660	117
6-5/8	168.3	0.156	4.0	10.78	16.21	1,480	104	1,620	114	1,840	129
6-5/8	168.3	0.172	4.4	11.85	17.78	1,640	115	1,790	126	2,030	143
6-5/8	168.3	0.188	4.8	12.92	19.35	1,790	126	1,960	138	2,210	155
6-5/8	168.3	0.203	5.2	13.92	20.91	1,930	136	2,110	148	2,390	168
6-5/8	168.3	0.219	5.6	14.98	22.47	2,080	146	2,280	160	2,580	181
6-5/8	168.3	0.250	6.4	17.02	25.25	2,380	167	2,600	183	2,940	207
6-5/8	168.3	0.280	7.1	18.97	28.22	2,660	187	2,920	205	3,000	211
6-5/8	168.3	0.312	7.9	21.04	31.25	2,970	209	3,000	211	3,000	211
6-5/8	168.3	0.344	8.7	23.08	34.24	3,000	211	3,000	211	3,000	211
8-5/8	219.1	0.125	3.2	11.35	17.04	910	64	1,000	70	1,130	79
8-5/8	219.1	0.156	4.0	14.11	21.22	1,140	80	1,250	88	1,410	99
8-5/8	219.1	0.188	4.8	16.94	25.37	1,370	96	1,500	105	1,700	120
8-5/8	219.1	0.203	5.2	18.26	27.43	1,480	104	1,620	114	1,840	129
8-5/8	219.1	0.219	5.6	19.66	29.48	1,600	112	1,750	123	1,980	139
8-5/8	219.1	0.250	6.4	22.36	33.57	1,830	129	2,000	141	2,260	159
8-5/8	219.1	0.277	7.0	24.70	36.61	2,020	142	2,220	156	2,510	155
8-5/8	219.1	0.312	7.9	27.70	41.14	2,280	160	2,500	176	2,820	198
8-5/8	219.1	0.322	8.2	28.55	42.65	2,350	165	2,580	181	2,910	205
8-5/8	219.1	0.344	8.7	30.42	45.14	2,510	176	2,750	193	3,000	211
8-5/8	219.1	0.375	9.5	33.04	49.10	2,740	193	3,000	211	3,000	211
10-3/4	273.1	0.156	4.0	17.65	26.54	1,040	73	1,130	79	1,280	99
10-3/4	273.1	0.188	4.8	21.21	31.76	1,250	88	1,370	98	1,550	109
10-3/4	273.1	0.203	5.2	22.87	34.35	1,350	95	1,480	104	1,670	117
10-3/4	273.1	0.219	5.6	24.63	36.94	1,450	102	1,590	112	1,800	127
10-3/4	273.1	0.250	6.4	28.04	42.09	1,660	117	1,820	128	2,060	145
10-3/4	273.1	0.279	7.1	31.20	46.57	1,850	130	2,030	143	2,290	161
10-3/4	273.1	0.307	7.8	34.24	51.03	2,040	143	2,230	157	2,520	177
10-3/4	273.1	0.344	8.7	38.23	56.72	2,280	160	2,500	176	2,830	199
10-3/4	273.1	0.365	9.3	40.48	60.50	2,420	170	2,660	187	3,000	211
12-3/4	323.9	0.172	4.4	23.11	34.67	1,960	67	1,050	74	1,190	84
12-3/4	323.9	0.188	4.8	25.22	37.77	1,050	74	1,150	81	1,300	91
12-3/4	323.9	0.203	5.2	27.20	40.87	1,140	80	1,250	88	1,410	99
12-3/4	323.9	0.219	5.6	29.31	43.96	1,230	86	1,340	94	1,520	107
12-3/4	323.9	0.250	6.4	33.38	50.11	1,400	98	1,530	108	1,730	122
12-3/4	323.9	0.281	7.1	37.42	55.47	1,570	110	1,720	121	1,950	137
12-3/4	323.9	0.312	7.9	41.45	61.56	1,750	123	1,910	134	2,160	152
12-3/4	323.9	0.330	8.4	43.77	65.35	1,850	130	2,020	142	2,290	161
12-3/4	323.9	0.344	8.7	45.58	67.62	1,930	136	2,110	148	2,390	168
12-3/4	323.9	0.375	9.5	49.56	73.65	2,100	148	2,300	160	2,600	181
14	355.6	0.188	4.8	27.73	41.52	960	67	1,050	74	1,190	84
14	355.6	0.210	5.3	30.93	45.78	1,070	75	1,170	82	1,330	93
14	355.6	0.219	5.6	32.23	48.33	1,120	79	1,220	86	1,380	97
14	355.6	0.250	6.4	36.71	55.11	1,280	90	1,400	98	1,580	111
14	355.6	0.281	7.1	41.17	61.02	1,430	101	1,570	110	1,770	124
14	355.6	0.312	7.9	45.61	67.74	1,590	112	1,740	122	1,970	138
14	355.6	0.344	8.7	50.17	74.42	1,750	123	1,920	135	2,170	153
14	355.6	0.375	9.5	54.57	81.08	1,910	134	2,090	147	2,370	167



API 5L Plain End Linepipe (X-42, X-46, X-52)

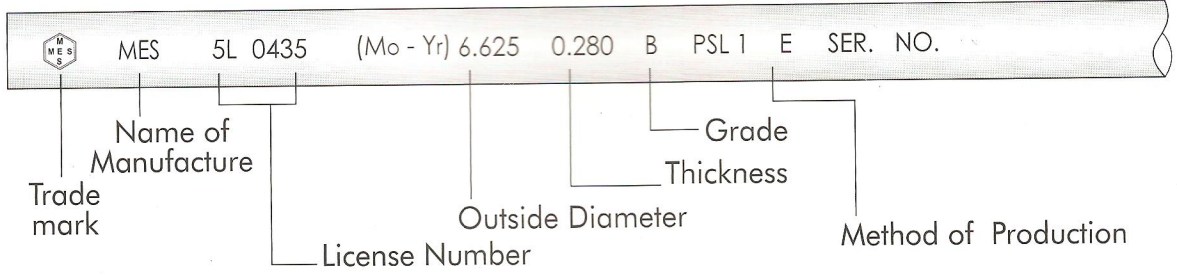
Outside Diameter		Wall Thickness		Weight		Test Pressure					
						X-42		X-46		X-52	
Inch	mm	Inch	mm	Lbs/ft	Kg/m	Psi	Kg /cm ²	Psi	Kg /cm ²	Psi	Kg /cm ²
16	406.4	0.188	4.8	31.75	47.54	840	59	920	65	1,040	73
16	406.4	0.203	5.2	34.25	51.45	910	64	990	70	1,120	79
16	406.4	0.219	5.6	36.91	55.35	980	69	1,070	75	1,210	85
16	406.4	0.250	6.4	42.05	63.13	1,120	79	1,220	86	1,380	97
16	406.4	0.281	7.1	47.17	69.91	1,250	88	1,370	96	1,550	109
16	406.4	0.312	7.9	52.27	77.63	1,390	98	1,520	107	1,720	121
16	406.4	0.344	8.7	57.52	85.32	1,540	108	1,680	118	1,900	134
16	406.4	0.375	9.5	62.58	92.98	1,670	117	1,830	129	2,070	146
18	457.0	0.188	4.8	35.76	53.53	750	53	820	58	1,920	65
18	457.0	0.219	5.6	41.59	62.34	870	61	950	67	1,080	76
18	457.0	0.250	6.4	47.39	71.12	990	70	1,090	77	1,230	86
18	457.0	0.281	7.1	53.18	78.77	1,110	78	1,220	86	1,380	97
18	457.0	0.312	7.9	58.94	87.49	1,240	87	1,360	96	1,530	108
18	457.0	0.344	8.7	64.87	96.18	1,360	96	1,490	105	1,690	119
18	457.0	0.375	9.5	70.59	104.84	1,490	105	1,630	115	1,840	129
20	508.0	0.219	5.6	46.27	69.38	830	58	910	64	1,020	72
20	508.0	0.250	6.4	52.73	79.16	940	66	1,040	73	1,170	82
20	508.0	0.281	7.1	59.18	87.70	1,060	75	1,160	82	1,320	93
20	508.0	0.312	7.9	65.60	97.43	1,180	83	1,290	91	1,460	103
20	508.0	0.344	8.7	72.21	107.12	1,300	91	1,420	100	1,610	113
20	508.0	0.375	9.5	78.60	116.78	1,420	100	1,550	109	1,760	124



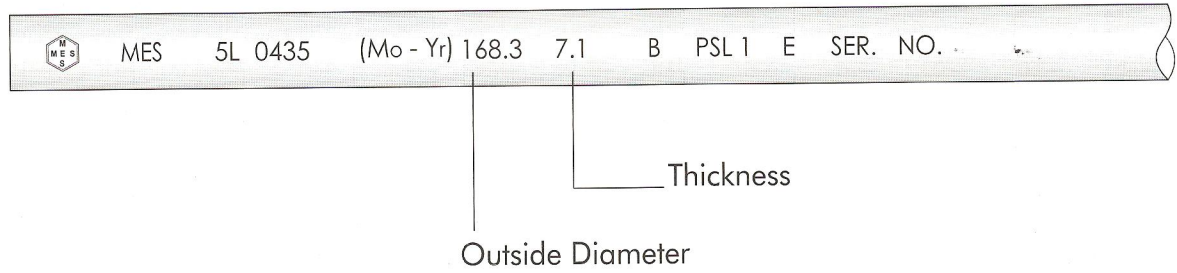


Marking (Sample)

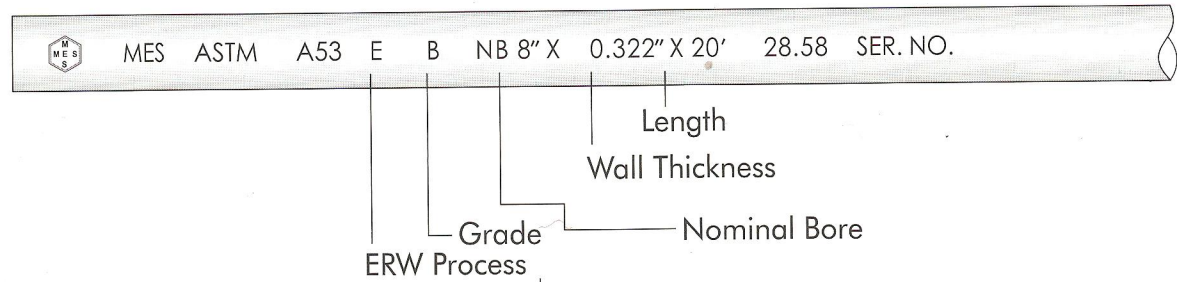
API Spec 5L



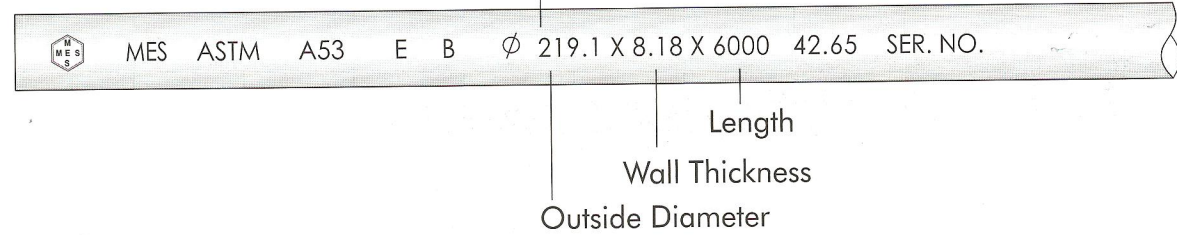
API Spec 5L



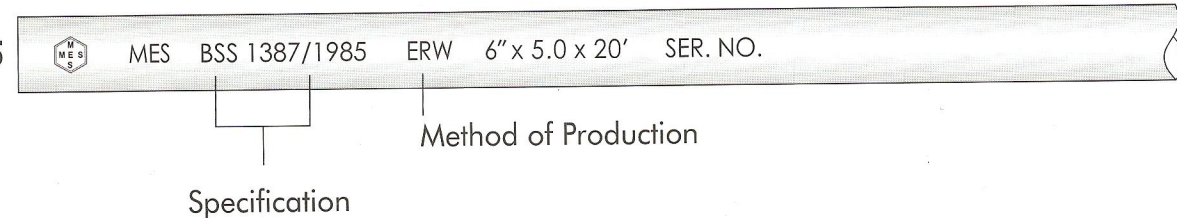
ASTM A53



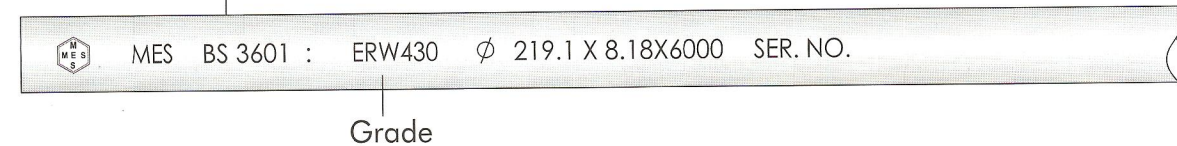
ASTM A53

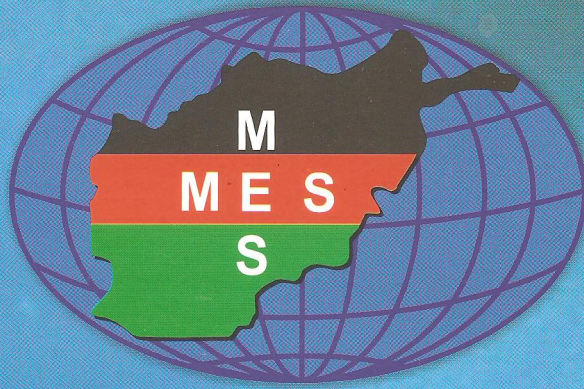


BSS 1387/1985



BS 3601





Muhammad Eisa Sardarzada

Well Drilling & Water Supply Company



MES Well Drilling & Water Supply Company
Street No-13th Taimany, Kabul
Afghanistan
Mob: 0093-700289983-0777289983
Website: www.mesengineering.com
Email: meskabal@yahoo.com

MES Engineering Company (Pvt) Ltd
12-KM Chashma Road Dera Ismail Khan
Pakistan.
Contact # 0092-3367230017
Website: www.mesengineering.com
Email: qasim@mesengineering.com