



**Bakrie Pipe
Industries**

ASTM A 53-B

PT. Bakrie Pipe Industries is a pioneer of steel pipe manufacturing with established network in line with Indonesia's development.

Supported by approximately 600 employees, mostly spearheading the technical department across the processing plant and in the field.

Experienced in production process for more than half a decade with a systematic delivery process from the start of production process with high efficiency and accuracy.

GENERAL PURPOSE PIPES

Our Contact :

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GENERAL SUPPLIER**

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STEEL LINE PIPE

ASTM A53-B

ISO 9001 : 2008
OHSAS 18001 : 2007
CERTIFIED

Specification

Nominal Size	Outside Diameter		Wall Thickness		Weight Class	Schedule No	Weight		Test Pressure (Min) Grade B		
	inch	mm	inch	mm			lb/ft	kg/m	psi	kgf/cm2	bar
1/2	0.840	21,3	0.109	2,77	STD	40	0.85	1,27	700	49	48
3/4	1.050	26,7	0.113	2,87	STD	40	1.13	1,69	700	49	48
1	1.315	33,4	0.133	3,38	STD	40	1.68	2,50	700	49	48
1 1/4	1.660	42,2	0.14	3,56	STD	40	2.27	3,39	1300	91	90
1 1/2	1.900	48,3	0.145	3,68	STD	40	2.72	4,05	1300	91	90
2	2.375	60,3	0.154	3,91	STD	40	3.66	5,44	2500	176	172
2 1/2	2.875	73,0	0.203	5,16	STD	40	5.80	8,63	2500	176	172
3	3.500	88,9	0.125	3,18	-	-	4.51	6,72	1500	105	103
			0.156	3,96	-	-	5.58	8,29	1870	131	129
			0.188	4,78	-	-	6.66	9,92	2260	159	156
			0.216	5,49	STD	40	7.58	11,29	2500	176	172
4			0.125	3,18	-	-	5.85	8,71	1170	82	81
			0.156	3,96	-	-	7.24	10,78	1460	103	101
			0.172	4,37	-	-	7.94	11,85	1610	113	111
			0.188	4,78	-	-	8.67	12,91	1750	123	121
			0.203	5,16	-	-	9.30	13,89	1900	134	131
			0.219	5,56	-	-	10.02	14,91	2040	143	141
			0.237	6,02	STD	40	10.80	16,07	2210	155	152
			0.25	6,35	-	-	11.36	16,90	2330	164	161
5			0.281	7,14	-	-	12.67	18,87	2620	184	181
			0.156	3,96	-	-	9.02	13,41	1180	83	81
			0.188	4,78	-	-	10.80	16,09	1420	100	98
			0.219	5,56	-	-	12.51	18,61	1650	116	114
6			0.258	6,55	STD	40	14.63	21,77	1950	137	134
			0.188	4,78	-	-	12.94	19,27	1190	84	82
			0.203	5,16	-	-	13.91	20,76	1290	91	89
			0.219	5,56	-	-	15.00	22,31	1390	98	96
			0.250	6,35	-	-	17.04	25,36	1580	111	109
			0.280	7,11	STD	40	18.99	28,26	1780	125	123
8			0.312	7,92	-	-	21.06	31,32	1980	139	137
			0.344	8,74	-	-	23.10	34,39	2180	153	150
			0.375	9,52	-	-	25.05	37,28	2380	167	164
			0.188	4,78	-	-	16.96	25,26	920	65	63
			0.203	5,16	-	-	18.28	27,22	1000	70	69
			0.219	5,56	-	-	19.68	29,28	1070	75	74
			0.250	6,35	-	20	22.38	33,31	1220	86	84
			0.277	7,04	-	30	24.72	36,31	1350	95	93
			0.312	7,92	-	-	27.73	41,24	1520	107	105
			0.322	8,18	STD	40	28.58	42,55	1570	110	108
			0.344	8,74	-	-	30.45	45,34	1680	118	116
			0.375	9,52	-	-	33.07	49,20	1830	129	126
10			0.406	10,31	-	60	35.67	53,08	2000	141	138
			0.438	11,13	-	-	38.33	57,08	2130	150	147
			0.500	12,70	XS	80	43.43	64,64	2430	171	168
			0.188	4,78	-	-	21.23	31,62	730	51	50
			0.203	5,16	-	-	22.89	34,08	800	56	55
			0.219	5,56	-	-	24.65	36,67	860	60	59
			0.250	6,35	-	20	28.06	41,75	980	69	68
			0.279	7,09	-	-	31.23	46,49	1090	77	75
12			0.307	7,80	-	30	34.27	51,01	1200	84	83
			0.344	8,74	-	-	38.27	56,96	1340	94	92
			0.365	9,27	STD	40	40.52	60,29	1430	101	99
			0.438	11,13	-	-	48.28	71,87	1710	120	118
			0.500	12,70	XS	60	54.79	81,52	1950	137	134
			0.203	5,16	-	-	27.23	40,55	670	47	46
			0.219	5,56	-	-	29.34	43,63	720	51	50
			0.250	6,35	-	20	33.41	49,71	820	58	57
12			0.281	7,14	-	-	37.46	55,75	930	65	64
			0.312	7,92	-	-	41.48	61,69	1030	72	71
			0.330	8,38	-	30.00	43.81	65,18	1090	77	75
			0.344	8,74	-	-	45.62	67,90	1130	79	78
			0.375	9,52	STD	-	49.61	73,78	1240	87	85
			0.406	10,31	-	40	53.57	79,70	1340	94	92
			0.438	11,13	-	-	57.65	85,82	1440	101	99
			0.500	12,70	XS	-	65.48	97,43	1650	116	114
			0.562	14,27	-	60	73.22	108,92	1850	130	128

STEEL LINE PIPE

ASTM A53-B

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CERTIFIED

Specification

Nominal Size		Outside Diameter		Wall Thickness		Weight Class	Schedule No	Weight		Test Pressure (Min) Grade B					
inch	inch	mm	inch	mm				lb/ft	kg/m	psi	kgf/cm2	bar			
14	14.000	355.6	0.210	5,33	-	-	-	30.96	46,04	630	44	43			
			0.219	5,56	-	-	-	32.26	47,99	660	46	45			
			0.250	6,35	-	10	-	36.75	54,69	750	53	52			
			0.281	7,14	-	-	-	41.21	61,35	840	59	58			
			0.312	7,92	-	20	-	45.65	67,90	940	66	65			
			0.344	8,74	-	-	-	50.22	74,76	1030	72	71			
			0.375	9,52	STD	30	-	54.62	81,25	1120	79	77			
			0.406	10,31	-	-	-	58.82	87,79	1220	86	84			
			0.438	11,13	-	40	-	63.50	94,55	1310	92	90			
			0.469	11,91	-	-	-	67.84	100,94	1410	99	97			
			0.500	12,70	XS	-	-	72.16	107,39	1500	105	103			
			0.562	14,27	-	-	-	80.48	120,11	1690	119	117			
			16	16.000	406.4	0.219	5,56	-	-	-	36.95	54,96	570	40	39
0.250	6,35	-				10	-	42.09	62,64	660	46	45			
0.281	7,14	-				-	-	47.22	70,30	740	52	51			
0.312	7,92	-				20	-	52.32	77,83	820	58	57			
0.344	8,74	-				-	-	57.57	85,71	900	63	62			
0.375	9,52	STD				30	-	62.64	93,17	980	69	68			
0.406	10,31	-				-	-	67.48	100,71	1070	75	74			
0.438	11,13	-				-	-	72.86	108,49	1150	81	79			
0.469	11,91	-				-	-	77.87	115,86	1230	86	85			
0.500	12,70	XS				40	-	82.85	123,30	1310	92	90			
0.562	14,27	-				-	-	92.46	138,00	1480	104	102			
0.625	15,88	-				-	-	102.47	152,94	1640	115	113			
18	18.000	457.2				0.250	6,35	-	10	-	47.44	70,60	580	41	40
			0.281	7,14	-	-	-	53.23	79,24	660	46	45			
			0.312	7,92	-	20	-	58.99	87,75	730	51	50			
			0.344	8,74	-	-	-	64.93	96,66	800	56	55			
			0.375	9,52	STD	-	-	70.65	105,10	880	62	61			
			0.406	10,31	-	-	-	76.36	113,58	950	67	66			
			0.438	11,13	-	-	-	82.23	122,43	1020	72	70			
			0.469	11,91	-	-	-	87.89	130,78	1090	77	75			
			0.500	12,70	XS	30	-	93.54	139,20	1170	82	81			
			0.562	14,27	-	-	-	104.76	155,87	1310	92	90			
			0.625	15,88	-	-	-	115.74	172,75	1460	103	101			
			20	20.000	508.0	0.250	6,35	-	10	-	52.78	78,55	520	37	36
						0.281	7,14	-	-	-	59.23	88,19	590	41	41
0.312	7,92	-				-	-	65.66	97,67	660	46	45			
0.344	8,74	-				-	-	72.28	107,60	720	51	50			
0.375	9,52	STD				20	-	78.67	117,02	790	56	54			
0.406	10,31	-				-	-	84.04	126,53	850	60	59			
0.438	11,13	-				-	-	91.59	136,37	920	65	63			
0.469	11,91	-				-	-	97.92	145,70	950	67	66			
0.500	12,70	XS				30	-	10.23	155,12	1050	74	72			
0.562	14,27	-				-	-	116.41	173,75	1180	83	81			
0.625	15,88	-				-	-	129.13	192,73	1310	92	90			
24	24.000	609.6				0.250	6,35	-	10	-	63.47	94,46	440	31	30
						0.281	7,14	-	-	-	71.25	106,08	490	34	34
			0.312	7,92	-	-	-	79.01	117,51	550	39	38			
			0.344	8,74	-	-	-	86.99	129,50	600	42	41			
			0.375	9,52	STD	20	-	94.71	140,88	660	46	46			
			0.406	10,31	-	-	-	102.40	152,37	710	50	49			
			0.438	11,13	-	-	-	110.32	164,26	770	54	53			
			0.469	11,91	-	-	-	117.98	175,54	820	58	57			
			0.500	12,70	XS	-	-	125.61	186,94	880	62	61			
			0.562	14,27	-	30	-	140.81	209,50	980	69	68			
			0.625	15,88	-	-	-	155.89	232,67	1090	77	75			

Chemical Composition (% max) :

ASTM A-53 Grade B	Carbon 0.30	Manganese 1.20	Phosphorus 0.05	Sulfur 0.045	Copper 0.40	Nickel 0.40	Chromium 0.40	Molybdenum 0.15	Vanadium 0.08	Cu+Ni+Cr+Mo+V 1.00
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Mechanical Properties :

Grade B	Yield Strength (min) 35 000 psi (240 MPa)	Tensile Strength (min) 60 000 psi (415 MPa)
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Galvanized :

Zinc Coating Weight : 550 gr/m² (77 µm) minimum

Marking :  ASTM A53-A/E 4" STD SCH.40 x 6000 mm
PIPE NO: HEAT NO:

Bakrie Pipe Industries