



**Bakrie Pipe  
Industries**



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.

## STEEL PIPE FOR WATER LINE

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## Specification

Nominal Size		Outside Diameter		Wall Thickness	Weight
<i>inch</i>	<i>mm</i>	<i>mm (max)</i>	<i>mm (min)</i>	<i>mm</i>	<i>kg/m</i>
1/2	21.3	21.7	21.1	2.00	0.96
3/4	26.8	27.2	26.4	2.00	1.23
1	33.8	34.2	33.4	2.00	1.55
1 1/4	42.5	42.9	42.1	2.00	2.00
1 1/2	48.4	48.8	48.0	2.00	2.28
2	60.3	60.8	59.8	2.00	2.86
2 1/2	76.0	76.6	75.4	2.00	3.65
3	88.8	89.5	88.1	2.90	6.14
4	114.1	114.9	113.3	2.90	7.94
5	140.3	140.6	138.7	2.90	9.85
6	165.4	166.1	164.1	2.90	11.67
8	219.1	221.3	216.9	5.00	26.40
10	273.0	275.7	270.3	5.00	33.04
12	323.8	327.0	320.6	6.35	49.71
14	355.6	359.2	352.0	6.35	54.69
16	406.4	410.5	402.3	6.35	62.64

### Chemical Composition

P % max	S % max
0.060	0.060

### Wall Thickness Tolerance

: Plus (+) not specified  
Minus (-) 10% maximum

### Pipe Length

: 6 meters per joint

### Length Tolerance

: ± 2%

### Mechanical Properties (min)

Tensile Strength (min)		Yield Strength (min)		Elongation % (min)
kgf/mm <sup>2</sup>	MPa (N/mm <sup>2</sup> )	kgf/mm <sup>2</sup>	MPa (N/mm <sup>2</sup> )	
21.1	207	33.7	330	20

### Hydrostatic Pressure Test :

50 kgf/cm<sup>2</sup> Hydrostatic testing can be replaced with Ultrasonic test or Eddy Current testing

**Marking Example :**