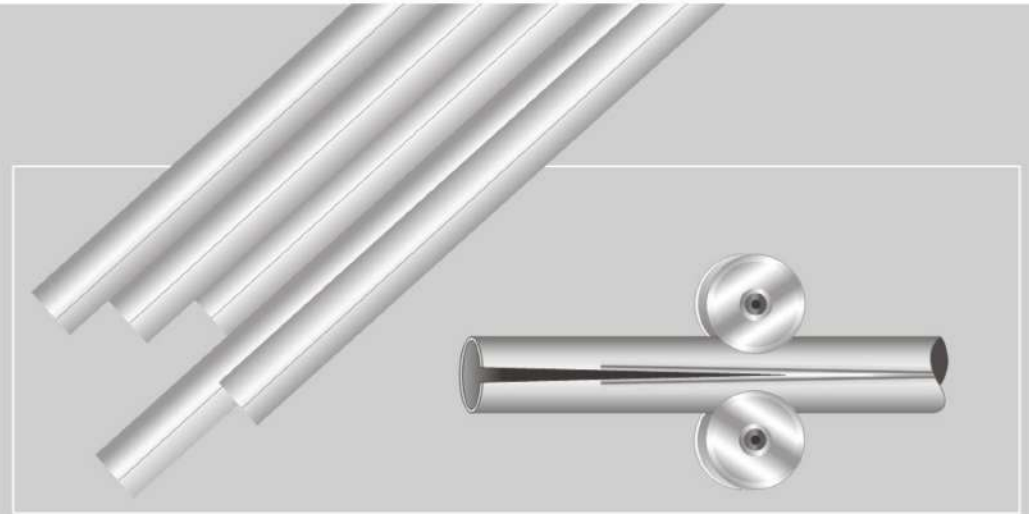




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PIPA SALURAN AIR DENGAN/TANPA LAPISAN SENG SNI 0039 : 2013 (ERW / HFW)

SCOPE Digunakan untuk saluran air bersih, air baku, air pada sistem piambing, air pada sistem hidran dan air lainnya, kecuali untuk air minum.

Hydrostatic Test : 50 kgf/cm²
Tolerance on Wall Thickness : +10% & -8% (TIPIS)
+15% & -10% (MEDIUM)
+15% & -12.5% (TEBAL)
Standard Length : 6m/pc or 12m/pc

UKURAN	DIAMETER (DALAM NOMINAL)		DIAMETER LUAR		BERAT NOMINAL PIPA TANPA LAPIS SENG SEBELUM DIULIR
	mm	inch	mm	inch	
TIPIS	15	1/2	21.4	2.0	0.947
	20	3/4	26.8	2.3	1.38
	25	1	33.6	2.6	1.98
	32	1 1/4	42.3	2.6	2.54
	40	1 1/2	48.2	2.9	3.23
	50	2	60.2	2.9	4.08
	65	2 1/2	76.0	3.2	5.71
	80	3	88.8	3.2	6.72
	100	4	114.1	3.6	9.75
	125	5	139.7	3.6	12.08
MEDIUM	150	6	165.1	3.6	14.34
	200	8	219.1	5.0	26.40
	15	1/2	21.3	2.6	1.21
	20	3/4	26.9	2.6	1.56
	25	1	33.7	3.2	2.41
	32	1 1/4	42.4	3.2	3.10
	40	1 1/2	48.3	3.2	3.56
	50	2	60.3	3.6	5.03
	65	2 1/2	76.1	3.6	6.42
	80	3	88.9	4.0	8.36
TEBAL	100	4	114.3	4.5	12.2
	125	5	139.7	5.0	16.6
	150	6	165.1	5.0	19.8
	200	8	219.1	6.4	33.32
	15	1/2	21.3	3.2	1.44
	20	3/4	26.8	3.2	1.87
	25	1	33.8	4.0	2.94
	32	1 1/4	42.5	4.0	3.80
	40	1 1/2	48.4	4.0	4.38
	50	2	60.3	4.5	6.19
65	2 1/2	76.0	4.5	7.93	
80	3	88.8	5.0	10.30	
100	4	114.0	6.0	15.99	
125	5	139.7	6.6	21.92	
150	6	168.3	7.1	28.22	
200	8	219.1	8.2	42.65	

PIPA SALURAN AIR DENGAN/TANPA LAPISAN SENG
SNI 0039 : 2013 (SSAW / SAWH)

Hydrostatic Test : 50 kgf/cm²
Tolerance on Wall Thickness : +10% & -8% (TIPIS)
+15% & -10% (MEDIUM)
+15% & -12.5% (TEBAL)
Standard Length : 6m/pc or 12m/pc

UKURAN	DIAMETER (DALAM NOMINAL)		DIAMETER LUAR			TEBAL	BERAT NOMINAL PIPA TANPA LAPIS SENG SEBELUM DIULIR
	mm	inch	Nominal	Maks	Min		
TIPIS	200	8	219.1	221.3	216.9	5.0	26.40
	250	10	273.0	275.7	270.3	5.0	33.04
	300	12	323.8	327.0	320.6	5.0	39.31
	350	14	355.6	359.2	352.0	5.6	48.33
	400	16	406.4	410.5	402.3	5.6	55.35
	450	18	457.0	461.6	452.4	6.4	71.12
	500	20	508.0	513.1	502.9	6.4	79.16
MEDIUM	600	24	610.0	616.1	603.9	6.4	95.26
	200	8	219.1	221.3	216.9	6.4	33.32
	250	10	273.0	275.7	270.3	6.4	41.75
	300	12	323.8	327.0	320.6	6.4	49.71
	350	14	355.6	359.2	352.0	6.4	54.69
	400	16	406.4	410.5	402.3	6.4	62.64
	450	18	457.0	461.6	452.4	9.5	105.10
	500	20	508.0	513.1	502.9	9.5	117.02
	600	24	610.0	616.1	603.9	9.5	140.88
	650	26	660.0	666.6	653.4	9.5	152.80
	700	28	711.0	718.1	703.9	9.5	164.34
	800	32	813.0	821.1	804.9	9.5	188.23
	900	36	914.0	923.1	904.9	9.5	211.90
1000	40	1016.0	1026.2	1005.8	12.7	314.22	
1050	42	1067.0	1077.7	1056.3	12.7	330.19	
1150	46	1168.0	1179.7	1156.3	12.7	361.82	
1200	48	1219.0	1231.2	1206.8	12.7	377.79	
TEBAL	200	8	219.1	221.3	216.9	8.2	42.65
	250	10	273.0	275.7	270.3	9.3	60.48
	300	12	323.8	327.0	320.6	10.3	79.63
	350	14	355.6	359.2	352.0	11.1	94.30
	400	16	406.4	410.5	402.3	12.7	123.30
	450	18	457.0	461.6	452.4	12.7	139.15
	500	20	508.0	513.1	502.9	12.7	155.12
	600	24	610.0	616.1	603.9	12.7	187.06
	650	26	660.0	666.6	653.4	12.7	202.72
	700	28	711.0	718.1	703.9	12.7	218.69
	800	32	813.0	821.1	804.9	12.7	250.64
	900	36	914.0	923.1	904.9	12.7	282.27
	1000	40	1016.0	1026.2	1005.8	14.3	353.24
	1050	42	1067.0	1077.7	1056.3	14.3	371.22
	1150	46	1168.0	1179.7	1156.3	14.3	406.84
	1200	48	1219.0	1231.2	1206.8	14.3	424.82

SSAW / SAWH = SPIRAL PIPES

JIS G3454 CARBON STEEL PIPES FOR PRESSURE SERVICE

SCOPE Digunakan untuk pipa baja bertekanan tinggi.

SYMBOL OF GRADE	TENSILE STRENGTH kgf/mm ² (N/mm ²)		YIELD STRENGTH kgf/mm ² (N/mm ²)
	STPG 38	STPG 42	
	38 Min (373 Min)	42 Min (412 Min)	22 Min (216 Min)
			25 Min (245 Min)

CARBON STEEL PIPES FOR PRESSURE SERVICES - JIS G3454 : 2012 (STPG)

NOMINAL DIAMETER		SPECIFIED OUTSIDE DIAMETER	SCHEDULE 20		SCHEDULE 40	
mm	inch		WALL THICKNESS	mm	WALL THICKNESS	mm
15	1/2	21.7	-	-	2.8	1.31
20	3/4	27.2	-	-	2.9	1.74
25	1	34.0	-	-	3.4	2.57
32	1 1/4	42.7	-	-	3.6	3.47
40	1 1/2	48.6	-	-	3.7	4.10
50	2	60.5	3.2	4.52	3.9	5.44
65	2 1/2	76.3	4.5	7.97	5.2	9.12
80	3	89.1	4.5	9.39	5.5	11.3
90	3 1/2	101.6	4.5	10.8	5.7	13.5
100	4	114.3	4.9	13.2	6.0	16.0
125	5	139.8	5.1	16.9	6.6	21.7
150	6	165.2	5.5	21.7	7.1	27.7
200	8	216.3	6.4	33.1	8.2	42.1
250	10	267.4	6.4	41.2	9.3	59.2
300	12	318.5	6.4	49.3	10.3	78.3

JIS G34-52 CARBON STEEL PIPES FOR ORDINARY PIPING
JIS G34-42 GALVANIZED STEEL PIPES FOR GENERAL USAGE

STANDARD	SYMBOL	DIVISION	REMARK
JIS G 3452	SGP	Black Pipe Galvanized Pipe	Pipe without zinc coating Pipe with zinc coating
JIS G-3442	SGPW	Galvanized Pipe	Pipe with zinc coating

NOMINAL DIAMETER		OUTSIDE DIAMETER	WALL THICKNESS (mm)		TOLERANCES OF WALL THICKNESS	UNIT MASS EXCLUDING SOCKET (kg/m)
mm	inch		JIS G3452	JIS G3442		
15	1/2"	21.7	2.8	2.65	+ not specified -12.5 %	1.25
20	3/4"	27.2	2.8	3.65		1.60
25	1"	34.0	3.2	3.25		2.45
32	1 1/4"	42.7	3.5	3.25		3.16
40	1 1/2"	48.6	3.5	3.25		3.63
50	2"	60.5	3.8	3.65		5.12
65	2 1/2"	76.3	4.2	3.65		6.34
80	3"	89.1	4.2	4.05		8.49
100	4"	114.3	4.5	4.5		12.2
125	5"	139.8	4.5	4.85		16.1
150	6"	165.2	5.0	4.85		19.2
175	7"	190.7	5.3	5.3		24.2
200	8"	216.3	5.8	5.85		30.4
225	9"	241.8	6.2	6.2		36.0
250	10"	267.4	6.6	6.40	41.2	
300	12"	318.5	6.9	7.00	53.8	

ASTM A53 : 2012 STANDARD SPECIFICATION FOR ERW STEEL PIPES (BLACK & GALVANIZED)

ASTM A53 : 2012 GRADE A/GRADE B

NOMINAL DIAMETER		SPECIFIED OUTSIDE DIAMETER	SPECIFIED WALL THICKNESS	NOMINAL WEIGHT PLAIN END	SCHEDULE No
mm	inch				
15	1/2	21.3	2.77	1.27	40
20	3/4	26.7	2.87	1.69	40
25	1	33.4	3.38	2.50	40
32	1 1/4	42.2	3.56	3.39	40
40	1 1/2	48.3	3.68	4.05	40
50	2	60.3	3.91	5.44	40
65	2 1/2	73.0	5.16	8.63	40
80	3	88.9	5.49	11.29	40
90	3 1/2	101.6	5.74	13.57	40
100	4	114.3	6.02	16.07	40
125	5	141.3	6.55	21.77	40
150	6	168.3	7.11	28.26	40
200	8	219.1	6.35	33.31	20
			7.04	36.31	30
			8.18	42.55	40
250	10	273.0	6.35	41.75	20
			9.27	60.29	40
300	12	323.8	6.35	49.71	20
			9.52	73.78	STD
			10.31	79.70	40