

SEAMLESS PIPE



CHEMICAL COMPOSITION												MECHANICAL PROPERTIES		
STANDARD	GRADE	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cu (%)	Ni (%)	Mo (%)	Cr (%)	V (%)	Tensile Strength Mpa	Yield Strength Mpa	Elongation
ASTM A106	B	≤0.30	≥0.10	0.29~1.06	≤0.035	≤0.035	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08	≥415	≥240	≥30
ASTM A53	B	≤0.30		≤1.2	≤0.05	≤0.045	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08	≥415	≥240	≥ 29.5
API 5L	B	≤0.28		≤1.2	≤0.030	≤0.030	≤0.50	≤0.50	≤0.15	≤0.50	≤0.08	≥414	≥241	≥ 28



PT. SAPTA SUMBER LANCAR
STEEL STOCKIST, SUPPLIER AND SERVICES
Office : Ngagel Jaya Utara no. 56, Surabaya - 60284

P : +62 31 9944 3555, +62 31 9944 3777
F : +62 31 9944 5000
E : sales@sapta.co

SEAMLESS PIPE

Pipe Size		Outside Diameter	Wall Thickness (mm)												
			Weight (kg/m)												
mm	in	mm	SCH 10	SCH 20	SCH 30	SCH STD	SCH 40	SCH 60	SCH XS	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	SCH XXS
6	1/8	10.3				1.73	1.73		2.41	2.41					
						0.37	0.37		0.47	0.47					
8	1/4	13.7				2.24	2.24		3.02	3.02					
						0.63	0.63		0.80	0.80					
10	3/8	17.1				2.31	2.31		3.20	3.20					
						0.84	0.84		1.10	1.10					
15	1/2	21.3				2.77	2.77		3.73	3.73				4.78	7.47
						1.27	1.27		1.62	1.62				1.95	2.55
20	3/4	26.7				2.87	2.87		3.91	3.91				5.56	7.82
						1.69	1.69		2.20	2.20				2.90	3.64
25	1	33.4				3.38	3.38		4.55	4.55				6.35	9.09
						2.50	2.50		3.24	3.24				4.24	5.45
32	1.25	42.2				3.56	3.56		4.85	4.85				6.35	9.70
						3.39	3.39		4.47	4.47				5.61	7.77
40	1.50	48.3				3.68	3.68		5.08	5.08				7.14	10.15
						4.05	4.05		5.41	5.41				7.25	9.56
50	2	60.3				3.91	3.91		5.54	5.54				8.74	11.07
						5.44	5.44		7.48	7.48				11.11	13.44
65	2.50	73.0				5.16	5.16		7.01	7.01				9.53	14.02
						8.63	8.63		11.41	11.41				14.92	20.39
80	3	88.9				5.49	5.49		7.62	7.62				11.13	15.24
						11.29	11.29		15.27	15.27				21.35	27.68
90	3.50	101.6				5.74	5.74		8.08	8.08					
						13.57	13.57		18.63	18.63					
100	4	114.3				6.02	6.02		8.56	8.56		11.13		13.49	17.12
						16.07	16.07		22.32	22.32		28.32		33.54	41.03
125	5	141.3				6.55	6.55		9.53	9.53		12.70		15.88	19.05
						21.77	21.77		30.97	30.97		40.28		49.11	57.43
150	6	168.3				7.11	7.11		10.97	10.97		14.27		18.26	21.95
						28.26	28.26		42.56	42.56		54.20		67.56	79.22
200	8	219.1		6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.23
				33.31	36.81	42.55	42.55	53.08	64.64	64.64	75.92	90.44	100.92	111.27	107.92
250	10	273.1		6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
				41.77	51.03	60.31	60.31	81.55	81.55	96.01	114.75	133.06	155.15	172.33	155.15
300	12	323.9		6.35	8.38	9.53	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.32	25.40
				49.73	65.20	73.88	79.73	108.96	97.46	132.08	159.91	186.75	208.14	238.76	186.97
350	14	355.6	6.35	7.92	9.53	9.53	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.72	
			54.69	67.90	81.33	81.33	94.55	126.71	107.39	158.10	194.96	224.65	253.36	281.70	
400	16	406.4	6.35	7.92	9.53	9.53	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.49	
			62.64	77.83	93.27	93.27	123.30	160.12	123.30	203.53	245.56	286.64	333.19	365.35	
450	18	457.2	6.35	7.92	11.13	9.53	14.27	19.05	12.70	23.88	29.36	34.93	39.67	45.24	
			70.57	87.71	122.38	105.16	155.80	205.74	139.15	254.55	309.62	363.56	408.26	459.37	
500	20	508.0	6.35	9.53	12.70	9.53	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01	
			78.55	117.15	155.12	117.15	183.42	247.83	155.12	311.17	381.53	441.49	508.11	564.81	
550	22	558.0	6.35	9.53	12.70	9.53		22.23	12.70	28.58	34.93	41.28	47.63	53.98	
			86.54	129.13	171.09	129.13		294.25	171.09	373.83	451.42	527.02	600.63	672.26	
600	24	609.6	6.35	9.53	14.27	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54	
			94.53	141.12	209.64	141.12	255.41	355.26	187.06	442.08	547.71	640.03	720.15	808.22	

Weight (kg) : (OD-T) x T x 0.02466 x L



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