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"Managing projects to success"

**CARBON STEEL SEAMLESS PIPE**



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**KSPM -SM77**  
**CARBON STEEL SEAMLESS PIPE**



Type:	Carbon steel seamless pipe
Standard&Material	ASTM A106 Grade B/API 5L Grade B
Pipe Size	½ to 20 inch STD/SCH40/SCH80/SCH160
Applications Range	Oil Pipe/Structure Pipe
Applicatons Area	Pipeline/Power&Energy/Petroleum refining/Ship.
Pipe Ends	Plain and Beveled Ends
Paint /Caps	Black lacquer/Plaint Red Colour Caps

NOMINAL PIPE SIZE		OUTSIDE DIAMETER		NOMINAL WALL THICKNESS/mm		
A	B	STD	SCH40	SCH80	SCH160	
15	1/2"	2.77	2.77	3.73	4.78	
20	3/4"	2.87	2.87	3.91	5.56	
25	1"	3.38	3.38	4.55	6.35	
32	1.1/4"	3.56	3.56	4.85	6.35	
40	1.1/2"	3.68	3.68	5.08	7.14	
50	2"	3.91	3.91	5.54	8.74	
65	2.1/2"	5.16	5.16	7.01	9.53	
80	3"	5.49	5.49	7.62	11.13	
90	3.1/2"	5.74	5.74	8.08		
100	4"	6.02	6.02	8.56	13.49	
125	5"	6.55	6.55	9.53	15.88	
150	6"	7.11	7.11	10.97	18.26	
200	8"	8.18	8.18	12.7	23.01	
250	10"	9.27	9.27	15.09	28.58	
300	12"	9.53	10.31	17.48	33.32	
350	14"	9.53	11.13	19.05	35.71	
400	16"	9.53	12.7	21.44	40.24	
450	18"	9.53	14.27	23.83	45.24	
500	20"	9.53	15.09	26.19	50.01	



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**Steel Pipe Outer Diameter And Wall Thickness Standard  
 (Germany, USA, Japan)**

NOMINAL PIPE SIZE		OUTSIDE DIAMETER			NOMINAL WALL THICKNESS														
A	B	ASME	JIS	DIN	JIS (1)	DIN(2)	SCH10	SCH20	SCH30	STD	SCH40	SCH60	XS	SCH80	SCH100	SCH120	SCH140	SCH160	XXS
15	1/2"	21.3	21.7	21.3	2.8	2.0	2.11	-	2.41	2.77	2.77	-	3.73	3.73	-	-	-	4.78	7.47
20	3/4"	26.7	27.2	26.9	2.8	2.3	2.11	-	2.41	2.87	2.87	-	3.91	3.91	-	-	-	5.65	7.82
25	1"	33.4	34.0	33.7	3.2	2.6	2.77	-	2.90	3.38	3.38	-	4.55	4.55	-	-	-	6.35	9.09
32	1 1/4"	42.2	42.7	42.4	3.5	2.6	2.77	-	2.97	3.56	3.56	-	4.85	4.85	-	-	-	6.35	9.70
40	1 1/2"	48.3	48.6	48.3	3.5	2.6	2.77	-	3.18	3.68	3.68	-	5.08	5.08	-	-	-	7.14	10.15
50	2"	60.3	60.5	60.3	3.8	2.9	2.77	-	3.18	3.91	3.91	-	5.54	5.54	-	-	-	8.74	11.07
65	2 1/2"	73.0	76.3	76.1	4.2	2.9	3.05	-	4.78	5.16	5.16	-	7.01	7.01	-	-	-	9.53	14.02
80	3"	88.9	89.1	88.9	4.2	3.2	3.05	-	4.78	5.49	5.49	-	7.62	7.62	-	-	-	11.13	15.24
90	3 1/2"	101.6	101.6	-	4.2	-	3.05	-	4.78	5.74	5.74	-	8.08	8.08	-	-	-	-	-
100	4"	114.3	114.3	114.3	4.5	3.6	3.05	-	4.78	6.02	6.02	-	8.56	8.56	-	11.13	-	13.49	17.12
125	5"	141.3	139.8	139.7	4.5	4.0	3.40	-	-	6.55	6.55	-	9.53	9.53	-	12.70	-	15.88	19.05
150	6"	168.3	165.2	168.3	5.0	4.5	3.40	4.5	-	7.11	7.11	-	10.97	10.97	-	14.27	-	18.26	21.95
200	8"	219.1	216.3	219.1	5.8	6.3	3.76	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	15.09	20.62	23.01	22.23
250	10"	273.0	267.4	273.0	6.6	6.3	4.19	6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
300	12"	323.8	318.5	323.9	6.9	7.1	4.57	6.35	8.38	9.53	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.32	25.40
350	14"	355.6	355.6	355.6	7.9	8.0	6.35	7.92	9.53	9.53	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.71	-
400	16"	406.4	406.4	406.4	7.9	8.8	6.35	7.92	9.53	9.53	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.49	-
450	18"	457.2	457.2	457.0	7.9	10.0	6.35	7.92	11.13	9.53	14.24	19.05	12.70	23.83	29.36	34.93	39.67	45.24	-
500	20"	508.0	508.0	508.0	7.9	11.0	6.35	9.53	12.70	9.53	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01	-
550	22"	558.8	558.8	-	-	-	6.35	9.53	12.70	9.53	-	22.23	12.70	28.58	34.93	41.28	47.63	53.98	-
600	24"	609.6	609.6	610.0	-	12.5	6.35	9.53	14.24	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54	-
650	26"	660.4	660.4	-	-	-	7.92	12.70	-	9.53	-	-	12.70	-	-	-	-	-	-
700	28"	711.2	711.2	711.0	-	12.5	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	-	-
750	30"	762.0	762.0	-	-	-	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	-	-
800	32"	812.8	812.8	813.0	-	12.5	7.92	12.70	15.88	9.53	17.48	-	12.70	-	-	-	-	-	-
850	34"	863.6	863.9	-	-	-	7.92	12.70	15.88	9.53	17.48	-	12.70	-	-	-	-	-	-
900	36"	914.4	914.4	914.0	-	12.5	7.92	12.70	15.88	9.53	19.05	-	12.70	-	-	-	-	-	-
950	38"	965.2	965.2	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1000	40"	1016.0	1016.0	1016.0	-	12.5	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1050	42"	1066.8	1066.8	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1100	44"	1117.6	1117.6	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1150	46"	1168.4	1168.4	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1200	48"	1219.2	1219.2	1220.0	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-

JIS G3452 ASME B36.10M  
 JIS G3454 DIN2448  
 JIS G3455 DIN2458  
 JIS G3457



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