



ASME B36.10M Alloy Steel Pipe Seamless Sch20S Wall Thickness Tubing

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Kasugai
- Certification: ISO PED AD2000
- Model Number: ASTM A335 P9 ASME B36.10M/B36.19M SMLS
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Seaworthy Packing
- Delivery Time: 30 - 60 working days
- Payment Terms: L/C, T/T
- Supply Ability: 500 ton per month



Product Specification

- Product Name: ASTM A335 P9 ASME B36.10M/B36.19M Alloy Steel Seamless Pipe
- Size Range: 1/8" To 48"
- Wall Thickness: Sch5S, Sch10S, Sch10, Sch20S, Sch30, Sch40S, STD, Sch40, Sch60, Sch80S, XS, Sch80, Sch100, Sch120, Sch140, Sch160, XXS
- Length: SRL, DRL, Cut-length ($\leq 6m$)
- End Process: Plain Ends, Beveled Ends, Threaded Ends
- Dimensions: ASME/ANSI B36.10M ASME/ANSI 36.19M
- Highlight: **Sch20S Alloy Steel Pipe, ASME B36.10M Pipe Sch20S, ASME Alloy Steel Pipe**

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Product Description

ASTM A335 P9 ASME B36.10M/B36.19M Alloy Steel Seamless Pipe for High Pressure & Temperature Services

Product Information:

Product Name	ASTM A335 P9 ASME B36.10M/B36.19M Alloy Steel Seamless Pipe for High Pressure & Temperature Services
Standards	ASTM A335/A335M, ASME SA335
Size Range	1/8" to 48"
Wall Thickness	Sch5S, Sch10S, Sch10, Sch20S, Sch30, Sch40S, STD, Sch40, Sch60, Sch80S, XS, Sch80, Sch100, Sch120, Sch140, Sch160, XXS
Length	SRL, DRL, or as customer's requirement
End Process	Plain Ends, Beveled Ends, Threaded Ends

Chemical Composition of ASTM A335 P1, P2, P5, P9, P11, P12, P22, P91 Alloy Steel (%)

Grade	C	Mn	P	S	Si	Cr	Mo	V	N	Others
P9	0.15 max	0.30-0.60	≤0.025	≤0.025	0.25-1.0	8.0-10.0	0.90-1.10			

Mechanical Properties of ASTM A335 P1, P2, P5, P9 Alloy Steel

Grade	Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)
P9	≥415	≥205	≥30

Dimensions of ASME/ANSI B36.10M Welded and Seamless Wrought Steel Pipe

	D	Sch 5s	Sch 10s	Sch 10	Sch 20	Sch 30	Sch 40s	STD	Sch 40	Sch 60	Sch 80s	XS	Sch 80	Sch 100	Sch 120	Sch 140	Sch 160	XXS	
1/8	10.3	---	1.24	---	---	---	1.73	1.73	1.73	---	2.41	2.41	2.41	---	---	---	---	---	
1/4	13.7	---	1.65	---	---	---	2.24	2.24	2.24	---	3.02	3.02	3.02	---	---	---	---	---	
3/8	17.1	---	1.65	---	---	---	2.31	2.31	2.31	---	3.2	3.2	3.2	---	---	---	---	---	
1/2	21.3	1.65	2.11	---	---	---	2.77	2.77	2.77	---	3.73	3.73	3.73	---	---	---	4.78	7.47	
3/4	26.7	1.65	2.11	---	---	---	2.87	2.87	2.87	---	3.91	3.91	3.91	---	---	---	5.56	7.82	
1	33.4	1.65	2.77	---	---	---	3.38	3.38	3.38	---	4.55	4.55	4.55	---	---	---	6.35	9.09	
1 1/4	42.2	1.65	2.77	---	---	---	3.56	3.56	3.56	---	4.85	4.85	4.85	---	---	---	6.35	9.7	
1 1/2	48.3	1.65	2.77	---	---	---	3.68	3.68	3.68	---	5.08	5.08	5.08	---	---	---	7.14	10.15	
2	60.3	1.65	2.77	---	---	---	3.91	3.91	3.91	---	5.54	5.54	5.54	---	---	---	8.74	11.07	
2 1/2	73	2.11	3.05	---	---	---	5.16	5.16	5.16	---	7.01	7.01	7.01	---	---	---	9.53	14.02	
3	88.9	2.11	3.05	---	---	---	5.49	5.49	5.49	---	7.62	7.62	7.62	---	---	---	11.13	15.24	
3 1/2	101.6	2.11	3.05	---	---	---	5.74	5.74	5.74	---	8.08	8.08	8.08	---	---	---	---	---	
4	114.3	2.11	3.05	---	---	---	6.02	6.02	6.02	---	8.56	8.56	8.56	---	11.13	---	13.49	17.12	
5	141.3	2.77	3.4	---	---	---	6.55	6.55	6.55	---	9.53	9.53	9.53	---	12.7	---	15.88	19.05	
6	168.3	2.77	3.4	---	---	---	7.11	7.11	7.11	---	10.97	10.97	10.97	---	14.27	---	18.26	21.95	
8	219.1	2.77	3.76	---	6.35	7.04	8.18	8.18	8.18	10.31	12.7	12.7	12.7	15.09	18.26	20.62	23.01	22.23	
10	273.1	3.4	4.19	---	6.35	7.8	9.27	9.27	9.27	12.7	12.7	12.7	12.7	15.09	18.26	25.48	28.58	25.4	
12	323.9	3.96	4.57	---	6.35	8.38	9.53	9.53	10.31	14.27	12.7	12.7	12.7	17.48	21.44	25.48	28.58	33.32	25.4
14	355.6	3.96	4.78	6.35	7.92	9.53	---	9.53	11.13	15.09	---	12.7	12.7	19.05	23.83	27.79	31.75	35.71	
16	406.4	4.19	4.78	6.35	7.92	9.53	---	9.53	12.7	16.66	---	12.7	12.7	21.44	26.19	30.96	36.53	40.49	
18	457.2	4.19	4.78	6.35	7.92	11.13	---	9.53	14.27	19.05	---	12.7	12.7	23.83	29.36	34.93	39.67	45.24	
20	508	4.78	5.54	6.35	9.53	12.7	---	9.53	15.09	20.62	---	12.7	12.7	26.19	32.54	38.15	44.45	50.01	
22	558.8	4.78	5.54	6.35	9.53	12.7	---	9.53	---	22.23	---	12.7	12.7	28.58	34.93	41.28	47.63	53.98	
26	660.4	---	---	7.92	12.7	---	---	9.53	---	---	---	12.7	12.7	---	---	---	---	---	
28	711.2	---	---	7.92	12.7	15.88	---	9.53	---	---	---	12.7	12.7	---	---	---	---	---	
30	762	6.35	7.92	7.92	12.7	15.88	---	9.53	---	---	---	12.7	12.7	---	---	---	---	---	

32	812.8	---	---	7.92	12.7	15.88	17.48	9.53	17.48	---	---	12.7					
34	863.6	---	---	7.92	12.7	15.88	17.48	9.53	17.48	---	---	12.7					
36	914.4	---	---	7.92	12.7	15.88	19.05	9.53	19.05	---	---	12.7					
38	965.2	---	---	---	---	---	---	9.53	---	---	---	12.7					
40	1016	---	---	---	---	---	---	9.53	---	---	---	12.7					
42	1066.8	---	---	---	---	---	---	9.53	---	---	---	12.7					
44	1117.6	---	---	---	---	---	---	9.53	---	---	---	12.7					
46	1168.4	---	---	---	---	---	---	9.53	---	---	---	12.7					
48	1219.2	---	---	---	---	---	---	9.53	---	---	---	12.7					

Size, Dimensions & Tolerances of Seamless Pipe (mm)

NPS	*t/D	Tolerance, % from Nominal	
1/8"~2.5"	All	+20.0	-12.5
3"~18"	≤5%	+22.5	-12.5
3"~18"	>5%	+15.0	-12.5
≥20"	>5%	+15.0	-12.5

*t: nominal wall thickness; D: ordered outside diameter.

Dimensions of ASME/ANSI B36.19M Welded and Seamless Wrought Steel Pipe

NPS (inches)	Outside Dia. (mm)	Nominal Wall Thickness (mm)			
		Sch5S ⁽¹⁾	Sch10S ⁽¹⁾	Sch40S	Sch80S
1/8	10.3	---	1.24	1.73	2.41
1/4	13.7	---	1.65	2.24	3.02
3/8	17.1	---	1.65	2.31	3.20
1/2	21.3	1.65	2.11	2.77	3.73
3/4	26.7	1.65	2.11	2.87	3.91
1	33.4	1.65	2.77	3.38	4.55
1¼	42.2	1.65	2.77	3.56	4.85
1½	48.3	1.65	2.77	3.68	5.08
2	60.3	1.65	2.77	3.91	5.54
2½	73	2.11	3.05	5.16	7.01
3	88.9	2.11	3.05	5.49	7.62
3½	101.6	2.11	3.05	5.74	8.08
4	114.3	2.11	3.05	6.02	8.56
5	141.3	2.77	3.4	6.55	9.53
6	168.3	2.77	3.4	7.11	10.97
8	219.1	2.77	3.76	8.18	12.70
10	273.1	3.40	4.19	9.27	12.70 ⁽²⁾
12	323.9	3.96	4.57	9.53 ⁽²⁾	12.70 ⁽²⁾
14	355.6	3.96	4.78 ⁽²⁾
16	406.4	4.19	4.78 ⁽²⁾
18	457.2	4.19	4.78 ⁽²⁾
20	508	4.78	5.54 ⁽²⁾
22	558.8	4.78	5.54 ⁽²⁾
24	660.4	5.54	6.35
30	762	6.35	7.92

Notes:

- (1) Schedule 5S and 10S wall thicknesses do not permit threading in accordance with ANSI/ASME B1.20.1
- (2) These dimensions do not conform to ANSI/ASME B36.1M