

# 无缝钢管

JUNE 2021

# ASTMA

无缝钢管 ASTMA312 外径壁厚对照表

尺寸	外径 mm	标准 /40 S m m	5S m m	10 S m m	S 10 m m	S 20 m m	S 40 m m	S 60 m m	XS/8 OS mm	S 80 m m	S 100 m m	S 120 m m	S 140 m m	S 160 m m	XXS m m
1/8 "	10.2 9			1.2 4			1.73			2.41					
1/4 "	13.7 2			1.6 5			2.24			3.02					
3/8 "	17.1 5			1.6 5			2.31			3.20					
1/2 "	21.3 4	2.7 7	1.6 5	2.1 1			2.77		3.73	3.73				4.78	7.47
3/4 "	26.6 7	2.8 7	1.6 5	2.1 1			2.87		3.91	3.91				5.56	7.82
1" "	33.4 0	3.3 8	1.6 5	2.7 7			3.38		4.55	4.55				6.35	9.09
1 1/4 "	42.1 6	3.5 6	1.6 5	2.7 7			3.56		4.85	4.85				6.35	9.70
1 1/2 "	48.2 6	3.6 8	1.6 5	2.7 7			3.68		5.08	5.08				7.14	10.1 5
2" "	60.3 3	3.9 1	1.6 5	2.7 7			3.91		5.54	5.54				9.14	11.0 7
2 1/2 "	73.0 3	5.1 6	2.1 1	3.0 5			5.16		7.01	7.01				9.53	14.0 2
3" "	88.9 0	5.4 9	2.1 1	3.0 5			5.49		7.62	7.62				11.1 3	15.2 4
3 1/2 "	101. 60	5.7 4	2.1 1	3.0 5			5.74		8.08	8.08					

4"	114. 30	6.0 2	2.1 1	3.0 5			6.02		8.56	8.56		11.1 2		13.4 9	17.1 2
5"	141. 30	6.5 5	2.7 7	3.4 0			6.55		9.53	9.53		12.7 0		15.8 8	19.0 5
6"	168. 27	7.1 1	2.7 7	3.4 0			7.11		10.97	10.9 7		14.2 7		18.2 6	21.9 5
8"	219. 08	8.1 8	2.7 7	3.7 6		6.35	8.18	10.3 1	12.70	12.7 0	15.0 9	19.2 6	20.6 2	23.0 1	22.2 3
10"	273. 05	9.2 7	3.4 0	4.1 9		6.35	9.27	12.7 0	12.70	15.0 9	19.2 6	21.4 4	25.4 0	28.5 8	25.4 0
12"	323. 85	9.5 3	3.9 6	4.5 7		6.35	10.3 1	14.2 7	12.70	17.4 8	21.4 4	25.4 0	28.5 8	33.3 2	25.4 0
14"	355. 60	9.5 3	3.9 6	4.7 8	6.3 5	7.92	11.1 3	15.0 9	12.70	19.0 5	23.8 3	27.7 9	31.7 5	35.7 1	
16"	406. 40	9.5 3	4.1 9	4.7 8	6.3 5	7.92	12.7 0	16.6 6	12.70	21.4 4	26.1 9	30.9 6	36.5 3	40.4 9	
18"	457. 20	9.5 3	4.1 9	4.7 8	6.3 5	7.92	14.2 7	19.0 5	12.70	23.8 3	29.3 6	34.9 3	39.6 7	45.2 4	
20"	508. 00	9.5 3	4.7 8	5.5 4	6.3 5	9.53	15.0 9	20.6 2	12.70	26.1 9	32.5 4	38.1 0	44.4 5	50.0 1	
22"	558. 80	9.5 3	4.7 8	5.5 4	6.3 5	9.53		22.2 3	12.70	28.5 8	34.9 3	41.2 8	47.6 3	53.9 8	
24"	609. 60	9.5 3	5.5 4	6.3 5	6.3 5	9.53	17.4 8	24.6 1		12.7 0	38.8 9	46.0 2	52.3 7	59.5 4	
26"	660. 40	9.5 3			7.9 2	12.7 0			12.70						
28"	711. 20	9.5 3			7.9 2	12.7 0			12.70						
30"	762. 00	9.5 3	6.3 5	7.9 2	7.9 2	12.7 0			12.70						
32"	812. 80	9.5 3			7.9 2	12.7 0	17.4 8		12.70						
34"	863. 60	9.5 3			7.9 2	12.7 0	17.4 8		12.70						
36"	914.	9.5			7.9	12.7	19.0		12.70						

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## 钢管英寸对照表、钢管内外径查询表

公称外径 Nominal Diameter		外径 Outside Diameter (mm)	厚度 (mm) Nomial Wall Thickness		
N. B	NPS		SCH5S	SCH10S	SCH40S
8	1/4"	13.72		1.65	2.24
10	3/8"	17.15		1.65	2.31
15	1/2"	21.34	1.65	2.11	2.77
20	3/4"	26.67	1.65	2.11	2.87
25	1"	33.40	1.65	2.77	3.38
32	1-1/4"	42.16	1.65	2.77	3.56
40	1-1/2"	48.26	1.65	2.77	3.68
50	2"	60.33	1.65	2.77	3.91
65	2-1/2"	73.03	2.11	3.05	5.16
80	3"	88.90	2.11	3.05	5.49
90	3-1/2"	101.60	2.11	3.05	5.74
100	4"	114.30	2.11	3.05	6.02
125	5"	141.30	2.77	3.40	6.55
150	6"	168.28	2.77	3.40	7.11
200	8"	219.08	2.77	3.76	8.18
250	10"	273.05	3.40	4.19	

钢管外径	钢管壁厚	钢管重量
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英寸	毫米.	单位	毫米.	英寸.	公斤/米.	磅/英尺.
1/8"	10.3	10S	1.24	0.049	0.28	0.19
1/8"	10.3	STD-40	1.73	0.068	0.37	0.25
1/8"	10.3	XS-80	2.41	0.095	0.48	0.32
1/4"	13.7	10S	1.65	0.065	0.50	0.34
1/4"	13.7	STD-40	2.24	0.088	0.64	0.43
1/4"	13.7	XS-80	3.02	0.119	0.81	0.55
3/8"	17.1	10S	1.65	0.065	0.64	0.43
3/8"	17.1	STD-40	2.31	0.091	0.85	0.57
3/8"	17.1	XS-80	3.20	0.126	1.11	0.75
1/2"	21.3	5S	1.05	0.042	0.53	0.36
1/2"	21.3	10S	2.11	0.083	1.01	0.68
1/2"	21.3	STD-40	2.77	0.109	1.28	0.86
1/2"	21.3	XS-80	3.73	0.147	1.63	1.10
1/2"	21.3	160	4.78	0.188	1.97	1.33
1/2"	21.3	XXS	7.47	0.294	2.57	1.73
3/4"	26.7	5S	1.65	0.065	1.03	0.69
3/4"	26.7	10S	2.11	0.083	1.29	0.87
3/4"	26.7	STD-40	2.87	0.113	1.70	1.14
3/4"	26.7	XS-80	3.91	0.154	2.22	1.49
3/4"	26.7	160	5.56	0.219	2.93	1.97
3/4"	26.7	XXS	7.82	0.308	3.68	2.48
1"	33.4	5S	1.65	0.065	1.31	0.88

1"	33.4	10S	2.77	0.109	2.12	1.42
1"	33.4	STD-40	3.38	0.133	2.53	1.70
1"	33.4	XS-80	4.55	0.179	3.27	2.18
1"	33.4	160	6.35	0.250	4.28	2.88
1"	33.4	XXS	9.09	0.358	5.51	3.71
1 1/4"	42.2	5S	1.65	0.065	1.67	1.12
1 1/4"	42.2	10S	2.77	0.109	2.72	1.83
1 1/4"	42.2	STD-40	3.56	0.140	3.43	2.31
1 1/4"	42.2	XS-80	4.85	0.191	4.51	3.03

1 1/4"	42.2	160	6.35	0.250	5.67	3.81
1 1/4"	42.2	XXS	9.70	0.382	7.85	5.28
1 1/2"	48.3	5S	1.65	0.065	1.92	1.29
1 1/2"	48.3	10S	2.77	0.109	3.14	2.11
1 1/2"	48.3	STD-40	3.68	0.145	4.09	2.75
1 1/2"	48.3	XS-80	5.08	0.200	5.47	3.68
1 1/2"	48.3	160	7.14	0.281	7.32	4.92
1 1/2"	48.3	XXS	10.15	0.400	9.65	6.49
2"	60.3	5S	1.65	0.065	2.41	1.62

2"	60.3		2.11	0.083	3.06	2.06
2"	60.3	10S	2.77	0.109	3.97	2.67
2"	60.3		3.18	0.125	4.52	3.04
2"	60.3	STD-40	3.91	0.154	5.49	3.69
2"	60.3	XS-80	5.54	0.218	7.56	5.08
2"	60.3	160	8.74	0.344	11.23	7.55
2"	60.3	XXS	11.07	0.436	13.58	9.13
2 1/2"	73.0	5S	2.11	0.083	3.73	2.51
2 1/2"	73.0	10S	3.05	0.120	5.32	3.57
2 1/2"	73.0	30	4.78	0.188	8.12	5.46
2 1/2"	73.0	STD-40	5.16	0.203	8.72	5.86
2 1/2"	73.0	XS-80	7.01	0.276	11.52	7.74
2 1/2"	73.0	160	9.53	0.375	15.08	10.14
2 1/2"	73.0	XXS	14.02	0.552	20.60	13.84
3"	88.9	5S	2.11	0.083	4.56	3.07
3"	88.9		2.77	0.109	5.95	4.00
3"	88.9	10S	3.05	0.120	6.52	4.38
3"	88.9		3.18	0.125	6.79	4.56
3"	88.9		3.58	0.141	7.61	5.12
3"	88.9		3.96	0.156	8.38	5.63
3"	88.9	STD-40	5.49	0.216	11.41	7.67
3"	88.9	XS-80	7.62	0.300	15.43	10.37
3"	88.9	160	11.13	0.438	21.56	14.49



3"	88.9	XXS	15.24	0.600	27.96	18.79
3 1/2"	101.6	5S	2.11	0.083	5.23	3.52

3 1/2"	101.6	10S	3.05	0.120	7.49	5.03
3 1/2"	101.6	30	4.78	0.188	11.53	7.75
3 1/2"	101.6	STD-40	5.74	0.226	13.71	9.21
3 1/2"	101.6	XS-80	8.08	0.318	18.83	12.65
4"	114.3	5S	2.11	0.083	5.90	3.97
4"	114.3	10S	3.05	0.120	8.46	5.68
4"	114.3		3.18	0.125	8.81	5.92
4"	114.3		3.96	0.156	10.89	7.32
4"	114.3		4.37	0.172	11.97	8.05
4"	114.3		4.78	0.188	13.04	8.76
4"	114.3		5.16	0.203	14.03	9.43
4"	114.3		5.56	0.219	15.06	10.62
4"	114.3	STD-40	6.02	0.237	16.24	10.91
4"	114.3		6.35	0.250	17.08	11.48
4"	114.3		7.14	0.281	19.06	12.81
4"	114.3		7.92	0.312	20.99	14.11
4"	114.3	XS-80	8.56	0.337	22.55	15.15
4"	114.3	120	11.13	0.438	28.61	19.23
4"	114.3	160	13.49	0.531	33.88	22.77
4"	114.3	XXS	17.12	0.674	41.45	27.85

5"	141.3		3.96	0.156	13.55	9.11
5"	141.3		4.78	0.188	16.26	10.93
5"	141.3		5.56	0.219	18.80	12.63
5"	141.3	STD-40	6.55	0.258	21.99	14.78
5"	141.3		7.14	0.281	23.86	16.04
5"	141.3		7.92	0.312	26.32	17.69
5"	141.3	XS-80	9.53	0.375	31.28	21.02
5"	141.3	120	12.70	0.500	40.69	27.34
5"	141.3	160	15.88	0.625	49.62	33.34
5"	141.3	XXS	19.05	0.750	58.01	38.98
6"	168.3		4.37	0.172	17.84	11.99
6"	168.3		4.78	0.188	19.47	13.09
6"	168.3		5.16	0.203	20.97	14.09
6"	168.3		5.56	0.219	22.54	15.15

6"	168.3		6.35	0.250	25.62	17.22
6"	168.3	STD-40	7.11	0.280	28.55	19.19
6"	168.3		7.92	0.312	31.64	21.26
6"	168.3		8.74	0.344	34.74	23.35
6"	168.3		9.53	0.375	37.69	25.33
6"	168.3	XS-80	10.97	0.432	42.99	28.89
6"	168.3		12.70	0.500	49.23	33.08
6"	168.3	120	14.27	0.562	54.75	36.79

6"	168.3		15.88	0.625	60.30	40.52
6"	168.3	160	18.26	0.719	68.25	45.86
6"	168.3		19.05	0.750	70.85	47.61
6"	168.3	XXS	21.95	0.864	80.02	53.77
6"	168.3		22.23	0.875	80.87	54.34
8"	219.1		4.78	0.188	25.52	17.15
8"	219.1		5.16	0.203	27.50	18.48
8"	219.1		5.56	0.219	29.58	19.88
8"	219.1	20	6.35	0.250	33.65	22.61
8"	219.1	30	7.04	0.277	37.19	24.99
8"	219.1		7.92	0.312	41.66	28.00
8"	219.1	STD-40	8.18	0.322	42.98	28.88
8"	219.1		8.74	0.344	45.80	30.78
8"	219.1		9.53	0.375	49.75	33.43
8"	219.1	60	10.31	0.406	53.62	36.03
8"	219.1		11.13	0.438	57.66	38.75
8"	219.1	XS-80	12.70	0.500	65.30	43.88
8"	219.1		14.27	0.562	72.81	48.93
8"	219.1	100	15.09	0.594	76.69	51.53
8"	219.1		15.88	0.625	80.31	54.02
8"	219.1	120	18.26	0.719	91.36	61.39
8"	219.1		19.05	0.750	94.93	63.79
8"	219.1	140	20.62	0.812	101.95	68.51

8"	219.1	XXS	22.23	0.875	108.96	73.22
8"	219.1	160	23.01	0.906	112.40	75.59
8"	219.1		25.40	1.000	122.56	82.36

10"	273.0		4.78	0.188	31.94	21.46
10"	273.0		5.16	0.203	34.43	23.14
10"	273.0		5.56	0.219	37.04	24.89
10"	273.0	20	6.35	0.250	42.18	28.34
10"	273.0		7.09	0.279	46.97	31.56
10"	273.0	30	7.80	0.307	51.53	34.63
10"	273.0		8.74	0.344	57.34	38.66
10"	273.0	STD-40	9.27	0.365	60.90	40.92
10"	273.0		11.13	0.438	72.61	48.79
10"	273.0	XS-60	12.70	0.500	82.35	55.34
10"	273.0		14.27	0.562	91.92	61.80
10"	273.0	80	15.09	0.594	96.95	65.15
10"	273.0		15.88	0.625	101.71	68.35
10"	273.0	100	18.26	0.719	115.87	77.86
10"	273.0		20.62	0.812	129.64	87.11
10"	273.0	120	21.44	0.844	134.35	90.28
10"	273.0		22.23	0.875	138.87	93.32
10"	273.0		23.83	0.938	147.91	99.39
10"	273.0	XXS-140	25.40	1.000	156.66	105.22

10"	273.0	160	28.58	1.125	174.01	116.93
10"	273.0		31.75	1.250	190.81	128.22
12"	323.8	20	6.35	0.250	50.22	33.75
12"	323.8		7.14	0.281	56.32	37.85
12"	323.8		7.92	0.312	62.32	41.88
12"	323.8	30	8.38	0.330	65.85	44.23
12"	323.8		8.74	0.344	68.60	46.10
12"	323.8	STD	9.53	0.375	74.61	50.13
12"	323.8	40	10.31	0.406	80.51	54.10
12"	323.8		11.13	0.438	86.69	58.25
12"	323.8	XS	12.70	0.500	98.42	66.14
12"	323.8	60	14.27	0.562	110.03	73.94
12"	323.8		15.88	0.625	121.81	81.85
12"	323.8	80	17.48	0.688	133.38	89.63
12"	323.8		19.05	0.750	144.62	97.18

12"	323.8		20.62	0.812	155.73	104.65
12"	323.8	100	21.44	0.844	161.48	108.51
12"	323.8		23.83	0.938	178.07	119.65
12"	323.8	XXS-120	25.40	1.000	188.80	126.87
12"	323.8		26.97	1.062	199.42	134.00
12"	323.8	140	28.58	1.125	210.18	141.23

12"	323.8		31.75	1.250	230.98	155.21
12"	323.8	160	33.32	1.312	241.10	162.01
14"	355.6	10	6.35	0.250	55.25	37.13
14"	355.6	20	7.92	0.312	68.60	46.1
14"	355.6		8.74	0.344	75.52	50.75
14"	355.6	STD-30	9.53	0.375	82.16	55.21
14"	355.6		10.31	0.406	88.68	59.59
14"	355.6	40	11.13	0.438	95.51	64.18
14"	355.6	XS	12.70	0.500	108.48	72.90
14"	355.6		14.27	0.562	121.33	81.53
14"	355.6	60	15.09	0.594	128.00	86.01
14"	355.6	80	19.05	0.750	159.71	107.32
14"	355.6	100	23.83	0.938	196.94	132.34
14"	355.6		25.40	1.000	208.92	140.39
14"	355.6		26.97	1.062	220.78	148.36
14"	355.6	120	27.79	1.094	226.93	152.49
14"	355.6	140	31.75	1.250	256.13	172.11
14"	355.6	160	35.71	1.406	284.56	191.21
16"	406.4	10	6.35	0.250	63.28	42.52
16"	406.4		7.14	0.281	71.01	47.72
16"	406.4	20	7.92	0.312	78.62	52.83
16"	406.4		8.74	0.344	86.58	58.18
16"	406.4	STD-30	9.53	0.357	94.21	63.31

16"	406.4		10.31	0.406	101.72	68.36
16"	406.4		11.13	0.438	109.59	73.64
16"	406.4	XS-40	12.70	0.500	124.55	83.69
16"	406.4		14.27	0.562	139.39	93.67
16"	406.4		15.88	0.625	154.48	103.80

16"	406.4	60	16.66	0.656	161.74	108.69
16"	406.4		17.48	0.688	169.35	113.80
16"	406.4		19.05	0.750	183.81	123.52
16"	406.4		20.62	0.812	198.15	133.15
16"	406.4	80	21.44	0.844	205.60	138.15
16"	406.4		25.40	1.000	241.06	161.98
16"	406.4	100	26.19	1.031	248.05	166.68
16"	406.4	120	30.96	1.219	289.54	194.56
16"	406.4		31.75	1.250	296.31	199.11
16"	406.4	140	36.53	1.438	336.57	226.16
16"	406.4	160	40.49	1.594	369.06	247.99
18"	457	20	7.92	0.312	88.60	59.54
18"	457		8.74	0.344	97.59	65.58
18"	457	STD	9.53	0.375	106.23	71.38
18"	457		10.31	0.406	114.72	77.09
18"	457	30	11.13	0.438	123.62	83.07
18"	457	XS	12.70	0.500	140.56	94.45

18"	457	40	14.27	0.562	157.38	105.75
18"	457		15.88	0.625	174.50	117.25
18"	457		17.48	0.688	191.38	128.60
18"	457	60	19.05	0.750	207.82	139.65
18"	457	80	23.83	0.938	257.13	172.78
18"	457		25.40	1.000	273.08	183.50
18"	457		26.97	1.062	288.91	194.14
18"	457		28.58	1.125	305.01	204.96
18"	457	100	29.36	1.156	312.76	210.16
18"	457		30.18	1.188	320.88	215.62
18"	457		31.75	1.250	336.33	226.00
18"	457	120	34.93	1.375	367.25	246.78
18"	457	140	39.67	1.562	412.40	277.12
18"	457	160	45.24	1.781	464.03	311.81
20"	508		8.74	0.344	108.70	73.04
20"	508	STD-20	9.53	0.375	118.33	79.51
20"	508		10.31	0.406	127.82	85.89

20"	508		11.13	0.438	137.76	92.57
20"	508	XS-30	12.70	0.500	156.70	105.3
20"	508		14.27	0.562	175.51	117.94
20"	508	40	15.09	0.594	185.28	124.50
20"	508		15.88	0.625	194.67	130.81



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