

管道数据

区分代码、摘壁厚自ASME B36.19M标准。符号STD、XS和XXS分别代表标准强度、超强度和双倍超强度

公称管道 口径 (英寸)	管道外径 (英寸)	管道外径 (mm)	区分代码			壁厚 (t) (英寸)	壁厚 (t) (mm)	管道内径 (d) (英寸)	管道内径 (d) (mm)		公称管道 口径 (mm)	公制管道 外径 (mm)
			强度代号	钢	不锈钢							
				壁厚代号	壁厚代号							
1/8	0.405	10.287	---	---	10S	0.049	1.2446	0.307	7.7978			
			---	30	---	0.057	1.4478	0.291	7.3914			
			STD	40	40S	0.068	1.7272	0.269	6.8326			
			XS	80	80S	0.095	2.4130	0.215	5.4610			
1/4	0.540	13.716	---	---	10S	0.065	1.6510	0.410	10.4140		10	14
			---	30	---	0.073	1.8542	0.394	10.0076			
			STD	40	40S	0.088	2.2352	0.364	9.2456			
			XS	80	80S	0.119	3.0226	0.302	7.6708			
3/8	0.675	17.145	---	---	10S	0.065	1.6510	0.545	13.8430			
			---	30	---	0.073	1.8542	0.529	13.4366			
			STD	40	40S	0.091	2.3114	0.493	12.5222			
			XS	80	80S	0.126	3.2004	0.423	10.7442			
1/2	0.840	21.336	---	---	5S	0.065	1.6510	0.710	18.0340		15	18
			---	---	10S	0.083	2.1082	0.674	17.1196			
			---	30	---	0.095	2.4130	0.650	16.5100			
			STD	40	40S	0.109	2.7686	0.622	15.7988			
			XS	80	80S	0.147	3.7338	0.546	13.8684			
			---	160	---	0.188	4.7752	0.464	11.7856			
			XXS	---	---	0.294	7.4676	0.252	6.4008			
3/4	1.050	26.67	---	---	5S	0.065	1.6510	0.920	23.3680		20	25
			---	---	10S	0.083	2.1082	0.884	22.4536			
			---	30	---	0.095	2.4130	0.860	21.8440			
			STD	40	40S	0.113	2.8702	0.824	20.9296			
			XS	80	80S	0.154	3.9116	0.742	18.8468			
			---	160	---	0.219	5.5626	0.612	15.5448			
			XXS	---	---	0.308	7.8232	0.434	11.0236			

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			强度代号	钢	不锈钢							
				壁厚代号	壁厚代号							
1	1.315	33.401	---	---	5S	0.065	1.6510	1.185	30.0990		25	32
			---	---	10S	0.109	2.7686	1.097	27.8638			
			---	30	---	0.114	2.8956	1.087	27.6098			
			STD	40	40S	0.133	3.3782	1.049	26.6446			
			XS	80	80S	0.178	4.5212	0.957	24.3078			
			---	160	---	0.250	6.3500	0.815	20.7010			
			XXS	---	---	0.358	9.0932	0.599	15.2146			
1 1/4	1.660	42.164	---	---	5S	0.065	1.6510	1.530	38.8620		32	38
			---	---	10S	0.109	2.7686	1.442	36.6268			
			---	30	---	0.117	2.9718	1.426	36.2204			
			STD	40	40S	0.140	3.5560	1.380	35.0520			
			XS	80	80S	0.191	4.8514	1.278	32.4612			
			---	160	---	0.250	6.3500	1.160	29.4640			
			XXS	---	---	0.382	9.7028	0.898	22.8092			
1 1/2	1.900	48.26	---	---	5S	0.065	1.6510	1.770	44.9580		40	45
			---	---	10S	0.109	2.7686	1.682	42.7228			
			---	30	---	0.125	3.1750	1.650	41.9100			
			STD	40	40S	0.145	3.6830	1.610	40.8940			
			XS	80	80S	0.200	5.0800	1.500	38.1000			
			---	160	---	0.281	7.1374	1.338	33.9852			
			XXS	---	---	0.400	10.1600	1.100	27.9400			
2	2.375	60.325	---	---	5S	0.065	1.6510	2.245	57.0230		50	57
			---	---	10S	0.109	2.7686	2.157	54.7878			
			---	30	---	0.125	3.1750	2.125	53.9750			
			STD	40	40S	0.154	3.9116	2.067	52.5018			
			XS	80	80S	0.218	5.5372	1.939	49.2506			
			---	160	---	0.344	8.7376	1.687	42.8498			
			XXS	---	---	0.436	11.0744	1.503	38.1762			

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			强度代号	钢	不锈钢							
				壁厚代号	壁厚代号							
2 1/2	2.875	73.025	---	---	5S	0.083	2.1082	2.709	68.8086		65	73
			---	---	10S	0.120	3.0480	2.635	66.9290			
			---	30	---	0.188	4.7752	2.499	63.4746			
			STD	40	40S	0.203	5.1562	2.469	62.7126			
			XS	80	80S	0.276	7.0104	2.323	59.0042			
			---	160	---	0.375	9.5250	2.125	53.9750			
			XXS	---	---	0.552	14.0208	1.771	44.9834			
3	3.500	88.9	---	---	5S	0.083	2.1082	3.334	84.6836		80	89
			---	---	10S	0.120	3.0480	3.260	82.8040			
			---	30	---	0.188	4.7752	3.124	79.3496			
			STD	40	40S	0.216	5.4864	3.068	77.9272			
			XS	80	80S	0.300	7.6200	2.900	73.6600			
			---	160	---	0.438	11.1252	2.624	66.6496			
			XXS	---	---	0.600	15.2400	2.300	58.4200			
3 1/2	4.000	101.6	---	---	5S	0.083	2.1082	3.834	97.3836			
			---	---	10S	0.120	3.0480	3.760	95.5040			
			---	30	---	0.188	4.7752	3.624	92.0496			
			STD	40	40S	0.226	5.7404	3.548	90.1192			
			XS	80	80S	0.318	8.0772	3.364	85.4456			
4	4.500	114.3	---	---	5S	0.083	2.1082	4.433	112.6084		100	108
			---	---	10S	0.120	3.0480	4.260	108.2040			
			---	30	---	0.188	4.7752	4.124	104.7496			
			STD	40	40S	0.237	6.0198	4.026	102.2604			
			XS	80	80S	0.337	8.5598	3.826	97.1804			
			---	120	---	0.438	11.1252	3.624	92.0496			
			---	160	---	0.531	13.4874	3.438	87.3252			
			XXS	---	---	0.674	17.1196	3.152	80.0608			

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			强度代号	钢	不锈钢							
				壁厚代号	壁厚代号							
5	5.563	141.3002	---	---	5S	0.109	2.7686	5.345	135.7630	125	133	
			---	---	10S	0.134	3.4036	5.295	134.4930			
			STD	40	40S	0.258	6.5532	5.047	128.1938			
			XS	80	80S	0.375	9.5250	4.813	122.2502			
			---	120	---	0.500	12.7000	4.563	115.9002			
			---	160	---	0.625	15.8750	4.313	109.5502			
			XXS	---	---	0.750	19.0500	4.063	103.2002			
6	6.625	168.275	---	---	5S	0.109	2.7686	6.407	162.7378	150	159	
			---	---	10S	0.134	3.4036	6.357	161.4678			
			STD	40	40S	0.280	7.1120	6.605	167.7670			
			XS	80	80S	0.432	10.9728	5.761	146.3294			
			---	120	---	0.562	14.2748	5.501	139.7254			
			---	160	---	0.719	18.2626	5.187	131.7498			
			XXS	---	---	0.864	21.9456	4.897	124.3838			
8	8.625	219.075	---	---	5S	0.109	2.7686	8.407	213.5378	200	219	
			---	---	10S	0.148	3.7592	8.329	211.5566			
			---	20	---	0.250	6.3500	8.125	206.3750			
			---	30	---	0.277	7.0358	8.071	205.0034			
			STD	40	40S	0.322	8.1788	7.981	202.7174			
			---	60	---	0.406	10.3124	7.813	198.4502			
			XS	80	80S	0.500	12.7000	7.625	193.6750			
			---	100	---	0.594	15.0876	7.437	188.8998			
			---	120	---	0.719	18.2626	7.187	182.5498			
			---	140	---	0.812	20.6248	7.001	177.8254			
			XXS	---	---	0.875	22.2250	6.875	174.6250			
			---	160	---	0.906	23.0124	6.813	173.0502			

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			强度代号	钢	不锈钢							
				壁厚代号	壁厚代号							
10	10.750	273.05	---	---	5S	0.134	3.4036	10.482	266.2428		250	273
			---	---	10S	0.165	4.1910	10.420	264.6680			
			---	20	---	0.250	6.3500	10.250	260.3500			
			---	30	---	0.307	7.7978	10.136	257.4544			
			STD	40	40S	0.365	9.2710	10.020	254.5080			
			XS	60	80S	0.500	12.7000	9.750	247.6500			
			---	80	---	0.594	15.0876	9.562	242.8748			
			---	100	---	0.719	18.2626	9.312	236.5248			
			---	120	---	0.844	21.4376	9.062	230.1748			
			XXS	140	---	1.000	25.4000	8.750	222.2500			
			---	160	---	1.125	28.5750	8.500	215.9000			
12	12.750	323.85	---	---	5S	0.156	3.9624	12.438	315.9252		300	325
			---	---	10S	0.180	4.5720	12.390	314.7060			
			---	20	---	0.250	6.3500	12.250	311.1500			
			---	30	---	0.330	8.3820	12.090	307.0860			
			STD	---	40S	0.375	9.5250	12.000	304.8000			
			---	40	---	0.406	10.3124	11.938	303.2252			
			XS	---	80S	0.500	12.7000	11.750	298.4500			
			---	60	---	0.562	14.2748	11.626	295.3004			
			---	80	---	0.688	17.4752	11.374	288.8996			
			---	100	---	0.844	21.4376	11.062	280.9748			
			XXS	120	---	1.000	25.4000	10.750	273.0500			
			---	140	---	1.125	28.5750	10.500	266.7000			
			---	160	---	1.312	33.3248	10.126	257.2004			

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			强度代号	钢	不锈钢							
				壁厚代号	壁厚代号							
14	14.000	355.6	---	---	5S	0.156	3.9624	13.688	347.6752		350	377
			---	---	10S	0.188	4.7752	13.624	346.0496			
			---	10	---	0.250	6.3500	13.500	342.9000			
			---	20	---	0.312	7.9248	13.376	339.7504			
			STD	30	---	0.375	9.5250	13.250	336.5500			
			---	40	---	0.438	11.1252	13.124	333.3496			
			XS	---	---	0.500	12.7000	13.000	330.2000			
			---	60	---	0.594	15.0876	12.812	325.4248			
			---	80	---	0.750	19.0500	12.500	317.5000			
			---	100	---	0.938	23.8252	12.124	307.9496			
			---	120	---	1.094	27.7876	11.812	300.0248			
			---	140	---	1.250	31.7500	11.500	292.1000			
			---	160	---	1.406	35.7124	11.188	284.1752			
16	16.000	406.4	---	---	5S	0.165	4.1910	15.670	398.0180		400	426
			---	---	10S	0.188	4.7752	15.624	396.8496			
			---	10	---	0.250	6.3500	15.500	393.7000			
			---	20	---	0.312	7.9248	15.376	390.5504			
			STD	30	---	0.375	9.5250	15.250	387.3500			
			XS	40	---	0.500	12.7000	15.000	381.0000			
			---	60	---	0.656	16.6624	14.688	373.0752			
			---	80	---	0.844	21.4376	14.312	363.5248			
			---	100	---	1.031	26.1874	13.938	354.0252			
			---	120	---	1.129	28.6766	13.562	344.4748			
			---	140	---	1.438	36.5252	13.124	333.3496			
			---	160	---	1.594	40.4876	12.812	325.4248			

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			强度代号	钢	不锈钢							
				壁厚代号	壁厚代号							
18	18.000	457.2	---	---	5S	0.165	4.1910	17.670	448.8180		450	480
			---	---	10S	0.188	4.7752	17.624	447.6496			
			---	10	---	0.250	6.3500	17.500	444.5000			
			---	20	---	0.312	7.9248	17.376	441.3504			
			STD	---	---	0.375	9.5250	17.250	438.1500			
			---	30	---	0.438	11.1252	17.124	434.9496			
			XS	---	---	0.500	12.7000	17.000	431.8000			
			---	40	---	0.562	14.2748	16.876	428.6504			
			---	60	---	0.750	19.0500	16.500	419.1000			
			---	80	---	0.938	23.8252	16.124	409.5496			
			---	100	---	1.156	29.3624	15.688	398.4752			
			---	120	---	1.375	34.9250	15.250	387.3500			
			---	140	---	1.562	39.6748	14.876	377.8504			
			---	160	---	1.781	45.2374	14.438	366.7252			
20	20.000	508	---	---	5S	0.188	4.7752	19.624	498.4496		500	530
			---	---	10S	0.218	5.5372	19.564	496.9256			
			---	10	---	0.250	6.3500	19.500	495.3000			
			STD	20	---	0.375	9.5250	19.250	488.9500			
			XS	30	---	0.500	12.7000	19.000	482.6000			
			---	40	---	0.594	15.0876	18.812	477.8248			
			---	60	---	0.812	20.6248	18.376	466.7504			
			---	80	---	1.031	26.1874	17.938	455.6252			
			---	100	---	1.281	32.5374	17.438	442.9252			
			---	120	---	1.500	38.1000	17.000	431.8000			
			---	140	---	1.750	44.4500	16.500	419.1000			
			---	160	---	1.969	50.0126	16.062	407.9748			

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			强度代号	钢	不锈钢							
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22	22.000	558.8	---	---	5S	0.188	4.7752	21.624	549.2496	550		
			---	---	10S	0.218	5.5372	21.564	547.7256			
			---	10	---	0.250	6.3500	21.500	546.1000			
			STD	20	---	0.375	9.5250	21.250	539.7500			
			XS	30	---	0.500	12.7000	21.000	533.4000			
			---	60	---	0.875	22.2250	20.250	514.3500			
			---	80	---	1.125	28.5750	19.750	501.6500			
			---	100	---	1.375	34.9250	19.250	488.9500			
			---	120	---	1.625	41.2750	18.750	476.2500			
			---	140	---	1.875	47.6250	18.250	463.5500			
			---	160	---	2.125	53.9750	17.750	450.8500			
24	24.000	609.6	---	---	5S	0.218	5.5372	23.564	598.5256	600	630	
			---	10	10S	0.250	6.3500	23.500	596.9000			
			STD	20	---	0.375	9.5250	23.250	590.5500			
			XS	---	---	0.500	12.7000	23.000	584.2000			
			---	30	---	0.562	14.2748	22.876	581.0504			
			---	40	---	0.688	17.4752	22.624	574.6496			
			---	60	---	0.969	24.6126	22.062	560.3748			
			---	80	---	1.219	30.9626	21.562	547.6748			
			---	100	---	1.531	38.8874	20.938	531.8252			
			---	120	---	1.812	46.0248	20.376	517.5504			
			---	140	---	2.062	52.3748	19.876	504.8504			
			---	160	---	2.344	59.5376	19.312	490.5248			
26	26.000	660.4	---	10	---	0.312	7.9248	25.376	644.5504	650		
			STD	---	---	0.375	9.5250	25.250	641.3500			
			XS	20	---	0.500	12.7000	25.000	635.0000			

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			强度代号	钢	不锈钢							
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28	28.000	711.2	---	10	---	0.312	7.9248	27.376	695.3504		700	
			STD	---	---	0.375	9.5250	27.250	692.1500			
			XS	20		0.500	12.7000	27.000	685.8000			
			---	30	---	0.625	15.8750	26.750	679.4500			
30	30.000	762	---	---	5S	0.250	6.3500	29.500	749.3000		750	
			---	10	10S	0.312	7.9248	29.376	746.1504			
			STD	---	---	0.375	9.5250	29.250	742.9500			
			XS	20	---	0.500	12.7000	29.000	736.6000			
			---	30	---	0.625	15.8750	28.750	730.2500			
32	32.000	812.8	---	10	---	0.312	7.9248	31.376	796.9504		800	
			STD	---	---	0.375	9.5250	31.250	793.7500			
			XS	20	---	0.500	12.7000	31.000	787.4000			
			---	30		0.625	15.8750	30.750	781.0500			
			---	40	---	0.688	17.4752	30.624	777.8496			
34	34.000	863.6	---	10	---	0.312	7.9248	33.376	847.7504		850	
			STD	---	---	0.375	9.5250	33.250	844.5500			
			XS	20	---	0.500	12.7000	33.000	838.2000			
			---	30		0.625	15.8750	32.750	831.8500			
			---	40	---	0.688	17.4752	32.624	828.6496			
36	36.000	914.4	---	10	---	0.312	7.9248	35.376	898.5504		900	
			STD	---	---	0.375	9.5250	35.250	895.3500			
			XS	20	---	0.500	12.7000	35.000	889.0000			
			---	30		0.625	15.8750	34.750	882.6500			
			---	40	---	0.750	19.0500	34.500	876.3000			