

## 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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.068</b>	<b>1.7272</b>	<b>0.269</b>	<b>6.8326</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.088</b>	<b>2.2352</b>	<b>0.364</b>	<b>9.2456</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.091</b>	<b>2.3114</b>	<b>0.493</b>	<b>12.5222</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.109</b>	<b>2.7686</b>	<b>0.622</b>	<b>15.7988</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.113</b>	<b>2.8702</b>	<b>0.824</b>	<b>20.9296</b>			
			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			

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	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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.133</b>	<b>3.3782</b>	<b>1.049</b>	<b>26.6446</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.140</b>	<b>3.5560</b>	<b>1.380</b>	<b>35.0520</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.145</b>	<b>3.6830</b>	<b>1.610</b>	<b>40.8940</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.154</b>	<b>3.9116</b>	<b>2.067</b>	<b>52.5018</b>			
			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			

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							
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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.203</b>	<b>5.1562</b>	<b>2.469</b>	<b>62.7126</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.216</b>	<b>5.4864</b>	<b>3.068</b>	<b>77.9272</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.226</b>	<b>5.7404</b>	<b>3.548</b>	<b>90.1192</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.237</b>	<b>6.0198</b>	<b>4.026</b>	<b>102.2604</b>			
			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			

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							
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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.258</b>	<b>6.5532</b>	<b>5.047</b>	<b>128.1938</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.280</b>	<b>7.1120</b>	<b>6.605</b>	<b>167.7670</b>			
			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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.322</b>	<b>8.1788</b>	<b>7.981</b>	<b>202.7174</b>			
			---	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			

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							
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			
			<b>STD</b>	<b>40</b>	<b>40S</b>	<b>0.365</b>	<b>9.2710</b>	<b>10.020</b>	<b>254.5080</b>			
			<b>XS</b>	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			
			<b>XXS</b>	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			
			<b>STD</b>	---	<b>40S</b>	<b>0.375</b>	<b>9.5250</b>	<b>12.000</b>	<b>304.8000</b>			
			---	<b>40</b>	---	<b>0.406</b>	<b>10.3124</b>	<b>11.938</b>	<b>303.2252</b>			
			<b>XS</b>	---	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			
			<b>XXS</b>	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			

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							
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			
			<b>STD</b>	<b>30</b>	---	<b>0.375</b>	<b>9.5250</b>	<b>13.250</b>	<b>336.5500</b>			
			---	40	---	0.438	11.1252	13.124	333.3496			
			<b>XS</b>	---	---	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			
			<b>STD</b>	<b>30</b>	---	<b>0.375</b>	<b>9.5250</b>	<b>15.250</b>	<b>387.3500</b>			
			<b>XS</b>	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			

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							
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			
			<b>STD</b>	---	---	<b>0.375</b>	<b>9.5250</b>	<b>17.250</b>	<b>438.1500</b>			
			---	30	---	0.438	11.1252	17.124	434.9496			
			<b>XS</b>	---	---	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			
			<b>STD</b>	<b>20</b>	---	<b>0.375</b>	<b>9.5250</b>	<b>19.250</b>	<b>488.9500</b>			
			<b>XS</b>	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			

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							
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			
			<b>STD</b>	<b>20</b>	---	<b>0.375</b>	<b>9.5250</b>	<b>21.250</b>	<b>539.7500</b>			
			<b>XS</b>	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			
			<b>STD</b>	<b>20</b>	---	<b>0.375</b>	<b>9.5250</b>	<b>23.250</b>	<b>590.5500</b>			
			<b>XS</b>	---	---	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	
			<b>STD</b>	---	---	<b>0.375</b>	<b>9.5250</b>	<b>25.250</b>	<b>641.3500</b>			
			<b>XS</b>	20	---	0.500	12.7000	25.000	635.0000			



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							
28	28.000	711.2	---	10	---	0.312	7.9248	27.376	695.3504		700	
			<b>STD</b>	---	---	<b>0.375</b>	<b>9.5250</b>	<b>27.250</b>	<b>692.1500</b>			
			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			
			<b>STD</b>	---	---	<b>0.375</b>	<b>9.5250</b>	<b>29.250</b>	<b>742.9500</b>			
			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	
			<b>STD</b>	---	---	<b>0.375</b>	<b>9.5250</b>	<b>31.250</b>	<b>793.7500</b>			
			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	
			<b>STD</b>	---	---	<b>0.375</b>	<b>9.5250</b>	<b>33.250</b>	<b>844.5500</b>			
			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	
			<b>STD</b>	---	---	<b>0.375</b>	<b>9.5250</b>	<b>35.250</b>	<b>895.3500</b>			
			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			