

OUTSIDE DIAMETER AND WALL THICKNESS

GB、ASME、MSS 管件标准中的接管外径和壁厚表 (适用于所有材料)
 OUTSIDE DIAMETER AND WALL THICKNESS OF THE CONNECTING PIPE FOR
 FITTING FER STANDARDS GB、ASME、MSS (APPLYING FOR ALL MATERIALS)

公称尺寸 Nominal Size		外径 OD	公称壁厚 T Nominal Wall Thickness T												
DN	NPS		Sch10	Sch20	Sch30	STD	Sch40	Sch60	XS	Sch80	Sch100	Sch120	Sch140	Sch160	XXS
6	1/8	10.3	1.24	-	1.45	1.73	1.73	-	2.41	2.41	-	-	-	-	-
8	1/4	13.7	1.65	-	1.85	2.24	2.24	-	3.02	3.02	-	-	-	-	-
10	3/8	17.1	1.65	-	1.85	2.31	2.31	-	3.20	3.20	-	-	-	-	-
15	1/2	21.3	2.11	-	2.41	2.77	2.77	-	3.73	3.73	-	-	-	4.78	7.47
20	3/4	26.7	2.11	-	2.41	2.87	2.87	-	3.91	3.91	-	-	-	5.56	7.82
25	1	33.4	2.77	-	2.90	3.38	3.38	-	4.55	4.55	-	-	-	6.35	9.09
32	1 1/4	42.2	2.77	-	2.97	3.56	3.56	-	4.85	4.85	-	-	-	6.35	9.70
40	1 1/2	48.3	2.77	-	3.18	3.68	3.68	-	5.08	5.08	-	-	-	7.14	10.15
50	2	60.3	2.77	-	3.18	3.91	3.91	-	5.54	5.54	-	-	-	8.74	11.07
65	2 1/2	73.0	3.05	-	4.78	5.16	5.16	-	7.01	7.01	-	-	-	9.53	14.02
80	3	88.9	3.05	-	4.78	5.49	5.49	-	7.62	7.62	-	-	-	11.13	15.24
90	3 1/2	101.6	3.05	-	4.78	5.74	5.74	-	8.08	8.08	-	-	-	-	-
100	4	114.3	3.05	-	4.78	6.02	6.02	-	8.56	8.56	-	11.13	-	13.49	17.12
125	5	141.3	3.40	-	-	6.55	6.55	-	9.53	9.53	-	12.70	-	15.88	19.05
150	6	168.3	3.40	-	-	7.11	7.11	-	10.97	10.97	-	14.27	-	18.26	21.95
200	8	219.1	3.76	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.23
250	10	273.0	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	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	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	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	457.0	6.35	7.92	11.13	9.53	14.27	19.05	12.70	23.83	29.36	34.93	39.67	45.24	-
500	20	508.0	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	559.0	6.35	9.53	12.70	9.53	-	22.23	12.70	28.58	34.93	41.28	47.63	53.98	-
600	24	610.0	6.35	9.53	14.27	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54	-
650	26	660.0	7.92	12.70	-	9.53	-	-	12.70	-	-	-	-	-	-
700	28	711.0	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	-	-
750	30	762.0	7.92	12.70	15.88	9.53	-	-	12.70	-	-	-	-	-	-
800	32	813.0	7.92	12.70	15.88	9.53	17.48	-	12.70	-	-	-	-	-	-
850	34	864.0	7.92	12.70	15.88	9.53	17.48	-	12.70	-	-	-	-	-	-
900	36	914.0	7.92	12.70	15.88	9.53	19.05	-	12.70	-	-	-	-	-	-
950	38	965.0	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1000	40	1016.0	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1050	42	1067.0	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1100	44	1118.0	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1150	46	1168.0	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1200	48	1219.0	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-
1300	52	1321.0	-	-	-	-	-	-	-	-	-	-	-	-	-
1400	56	1422.0	-	-	-	-	-	-	-	-	-	-	-	-	-
1500	60	1524.0	-	-	-	-	-	-	-	-	-	-	-	-	-
1600	64	1626.0	-	-	-	-	-	-	-	-	-	-	-	-	-
1700	68	1727.0	-	-	-	-	-	-	-	-	-	-	-	-	-
1800	72	1829.0	-	-	-	-	-	-	-	-	-	-	-	-	-
1900	76	1930.0	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	80	2032.0	-	-	-	-	-	-	-	-	-	-	-	-	-

注释:

- 表中数值选自ASME B36.10M; 适用于GB和ASME、MSS管件标准中的接管壁厚。
- 如果产品要求的接管外径和壁厚本表中没有列出的话, 可在订货中直接给出要求的数值。

Note:

- The above digits quoted from B36.10M. The connecting pipe thickness of fittings per standards GB, ASME and MSS also apply them.
- If the outside diameter and wall thickness of the connecting pipe aren't included in the above table, these sizes can be specified directly in the purchase order.

OUTSIDE DIAMETER AND WALL THICKNESS

GB、ASME、MSS 管件标准中的接管外径和壁厚表 (适用于不锈钢材料)

OUTSIDE DIAMETER AND WALL THICKNESS OF THE CONNECTING PIPE FOR FITTING PER STANDARDS GB、ASME、MSS (APPLYING FOR STAINLESS STEEL MATERIALS)

公称尺寸 Nominal Size		外径 OD	公称壁厚 T Nominal Wall Thickness T			
DN	NPS		Sch5S	Sch10S	Sch40S	Sch80S
6	1/8	10.3	-	1.24	1.73	2.41
8	1/4	13.7	-	1.65	2.24	3.02
10	3/8	17.1	-	1.65	2.31	3.20
15	1/2	21.3	1.65	2.11	2.77	3.73
20	3/4	26.7	1.65	2.11	2.87	3.91
25	1	33.4	1.65	2.77	3.38	4.55
32	1 1/4	42.2	1.65	2.77	3.56	4.85
40	1 1/2	48.3	1.65	2.77	3.68	5.08
50	2	60.3	1.65	2.77	3.91	5.54
65	2 1/2	73.0	2.11	3.05	5.16	7.01
80	3	88.9	2.11	3.05	5.49	7.62
90	3 1/2	101.6	2.11	3.05	5.74	8.08
100	4	114.3	2.11	3.05	6.02	8.56
125	5	141.3	2.77	3.40	6.55	9.53
150	6	168.3	2.77	3.40	7.11	10.97
200	8	219.1	2.77	3.76	8.18	12.70
250	10	273.0	3.40	4.19	9.27	12.70
300	12	323.8	3.96	4.57	9.53	12.70
350	14	355.6	3.96	4.78	9.53	12.70
400	16	406.4	4.19	4.78	9.53	12.70
450	18	457.0	4.19	4.78	9.53	12.70
500	20	508.0	4.78	5.54	9.53	12.70
550	22	559.0	4.78	5.54	-	-
600	24	610.0	5.54	6.35	9.53	12.70
650	26	660.0	-	-	-	-
700	28	711.0	-	-	-	-
750	30	762.0	6.35	7.92	-	-

注释:

- 1) 表中数值选自ASME B36.19M; 适用于GB和ASME、MSS管件标准中的接管壁厚。
- 2) 如果产品要求的接管外径和壁厚本表中没有列出的话, 可在订货中直接给出要求的数值。

Note:

- 1) The above digits quoted from B36.19M. The connecting pipe thickness of fittings per standards GB, ASME and MSS also apply them.
- 2) If the outside diameter and wall thickness of the connecting pipe aren't included in the above table, these sizes can be specified directly in the purchase order.



OUTSIDE DIAMETER AND WALL THICKNESS

GB/T 12459、GB/T 13401的II系列外径和HG/T 21631的II系列外径与壁厚表
OUTSIDE DIAMETER (II SERIES) OF GB/T 12459 & GB/T 13401 AND OUTSIDE DIAMETER AND WALL THICKNESS (II SERIES) OF HG/T 21631

HG/T 21635的公制系列外径与壁厚表
OUTSIDE DIAMETER AND WALL THICKNESS (METRIC SYSTEM) OF HG/T 21635

公称尺寸 Nominal Size	外径 OD	公称压力 Nominal Pressure PN(MPa)						公称尺寸 Nominal Size	外径 OD	公称压力 Nominal Pressure PN(MPa)			
		1.0		1.6		2.5				2.5	4.0	6.4	10.0
		碳钢 CS	不锈钢 SS	碳钢 CS	不锈钢 SS	碳钢 CS	不锈钢 SS						
DN	OD							DN	OD				
15	18	-	-	-	-	-	-	15	18	-	-	-	-
20	25	-	-	-	-	-	-	20	25	-	-	-	-
25	32	-	-	-	-	-	-	25	32	3.0	3.0	3.0	4.0
32	38	-	-	-	-	-	-	32	38	3.0	3.0	3.5	4.5
40	45	-	-	-	-	-	-	40	45	3.5	3.5	3.5	4.5
50	57	-	-	-	-	-	-	50	57	3.5	3.5	3.5	5.0
65	76	-	-	-	-	-	-	65	76	4.0	4.0	4.5	6.0
80	89	-	-	-	-	-	-	80	89	4.0	4.0	5.0	7.0
100	108	-	-	-	-	-	-	100	108	4.0	4.0	6.0	8.0
125	133	-	-	-	-	-	-	125	133	4.0	4.0	6.0	9.0
150	159	5	3.5	5.5	4.0	6.0	5.0	150	159	4.5	4.5	7.0	10
200	219	5	3.5	6.0	4.0	7.0	5.0	200	219	6.0	6.0	9.0	12
250	273	5	3.5	6.0	4.5	8.0	6.0	250	273	7.0	7.0	11	-
300	325	6	4.0	7.0	5.0	8.0	7.0	300	325	8.0	8.0	12	-
350	377	6	4.5	7.0	6.0	9.0	8.0	350	377	9.0	9.0	-	-
400	426	6	4.5	8.0	6.0	10	9.0	400	426	9.0	11	-	-
450	480	7	5.0	8.0	7.0	11	9.0	450	480	9.0	-	-	-
500	530	7	5.5	9.0	7.0	12	10	500	530	9.0	-	-	-
600	630	8	6.0	10	8.0	13	12	600	630	9.0	-	-	-
700	720	8	7.0	11	9.0	15	13	700	720	-	-	-	-
800	820	9	7.0	12	10	16	15	800	820	-	-	-	-
900	920	9	8.0	13	-	-	-	900	920	-	-	-	-
1000	1020	10	-	14	-	-	-	1000	1020	-	-	-	-
1100	1120	-	-	-	-	-	-	1100	1120	-	-	-	-
1200	1220	-	-	-	-	-	-	1200	1220	-	-	-	-

注释:

- 1) GB/T 12459和GB/T 13401标准的II系列外径见本表中的外径值; II系列的壁厚可选择48~49页壁厚表的数值,也可在订货中直接给出要求的壁厚值。
- 2) HG/T 21631(原HGJ 528)标准中外径和壁厚分为I、II两个系列;其中I系列的外径和壁厚按48~49页表中的数值。
- 3) HG/T 21635(原HGJ 514)标准中外径和壁厚分为公制、英制两个系列;其中英制系列的外径和壁厚按48~49页表中的数值。

Note:

- 1) The outside diameter (II series) of GB/T 12459 and GB/T 13401 standards shall be per the one indicated in the above table; The wall thickness of II series can be per the table in page 48-49 or be specified directly in the purchase order.
- 2) The outside diameter and wall thickness of HG/T 21631 (previously HGJ 528) standards have the series of I system and II system, and the outside diameter and wall thickness of I series are in accordance with the ones in the table of page 48-49.
- 3) The outside diameter and wall thickness of HG/T 21635 (previously HGJ 514) standard have the series of metric system and inch system, and the outside diameter and wall thickness of inch system are in accordance with the ones in the table of page 48-49.

OUTSIDE DIAMETER AND WALL THICKNESS

SH 管件标准中的接管外径和壁厚表
 OUTSIDE DIAMETER AND WALL THICKNESS OF THE CONNECTING PIPE FOR FITTING PER STANDARDS SH

公称尺寸 Nominal Size	外径 OD	公称壁厚 T Nominal Wall Thickness T															
		DN	OD	Sch 5s	Sch 10s	Sch 20s	Sch 40s	Sch 80s	Sch 20	Sch 30	Sch 40	Sch 60	Sch 80	Sch 100	Sch 120	Sch 140	Sch 160
10	17		1.2	1.6	2.0	2.5	3.2	-	-	2.5	-	3.5	-	-	-	-	-
15	22		1.6	2.0	2.5	3.0	4.0	-	-	3.0	-	4.0	-	-	-	5.0	7.5
20	27		1.6	2.0	2.5	3.0	4.0	-	-	3.0	-	4.0	-	-	-	5.5	8.0
25	34		1.6	2.8	3.0	3.5	4.5	-	-	3.5	-	4.5	-	-	-	6.5	9.0
(32)	42		1.6	2.8	3.0	3.5	5.0	-	-	3.5	-	5.0	-	-	-	6.5	10.0
40	48		1.6	2.8	3.0	4.0	5.0	-	-	4.0	-	5.0	-	-	-	7.0	10.0
50	60		1.6	2.8	3.5	4.0	5.5	3.5	-	4.0	5.0	5.5	-	7.0	-	8.5	11.0
(65)	76		2.0	3.0	3.5	5.0	7.0	4.5	-	5.0	6.0	7.0	-	8.0	-	9.5	14.0
80	89		2.0	3.0	4.0	5.5	7.5	4.5	-	5.5	6.5	7.5	-	9.0	-	11.0	15.0
100	114		2.0	3.0	4.0	6.0	8.5	5.0	-	6.0	7.0	8.5	-	11.0	-	14.0	17.0
(125)	140		2.8	3.5	5.0	6.5	9.5	5.0	-	6.5	8.0	9.5	-	13.0	-	16.0	19.0
150	168		2.8	3.5	5.0	7.0	11.0	5.5	6.5	7.0	9.5	11.0	-	14.0	-	18.0	22.0
200	219		2.8	4.0	6.5	8.0	13.0	6.5	7.0	8.0	10.0	13.0	15.0	18.0	20.0	24.0	23.0
250	273		3.5	4.0	6.5	9.5	15.0	6.5	8.0	9.5	13.0	15.0	18.0	22.0	25.0	28.0	25.0
300	325		4.0	4.5	6.5	9.5	17.0	6.5	8.5	10.0	14.0	17.0	22.0	25.0	28.0	34.0	26.0
350	356		4.0	5.0	-	-	-	8.0	9.5	11.0	15.0	19.0	24.0	28.0	32.0	36.0	-
400	406		4.5	5.0	-	-	-	8.0	9.5	13.0	17.0	22.0	26.0	32.0	36.0	40.0	-
450	457		-	-	-	-	-	8.0	11.0	14.0	19.0	24.0	30.0	35.0	40.0	45.0	-
500	508		-	-	-	-	-	9.5	13.0	15.0	20.0	26.0	32.0	38.0	45.0	50.0	-
550	559		-	-	-	-	-	9.5	13.0	17.0	22.0	28.0	35.0	42.0	48.0	54.0	-
600	610		-	-	-	-	-	9.5	14.0	18.0	25.0	32.0	38.0	45.0	52.0	60.0	-
650	660		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
700	711		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
750	762		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
800	813		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
850	864		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
900	914		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
950	965		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1000	1016		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1100	1118		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1200	1220		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1300	1321		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1400	1420		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1500	1524		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1600	1620		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1700	1727		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1800	1820		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1900	1930		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	2020		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

注释:

1) 表号后带S者仅适用于不锈钢管件

Note:

1) Schedule with the suffix "s" only applies for stainless steel.