

		1/16"						1/8"						1/4"						1/2"						1"										
外径 O.D.	肉厚 W.T.	mm																																	肉厚 W.T.	外径 O.D.
	1.0	1.2	1.6	1.8	2.0	2.3	2.6	2.9	3.2	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	8.0	9.0	10	11	12	13	14	15	16	17	18	19	20	25					
10		.222	.260	.331	.364	.395	.437																											10		
13.8		.316	.373	.481	.533	.582	.652	.718	.780	.836																									13.8	
17.3		.402	.476	.619	.688	.755	.851	.943	1.03	1.11	1.19	1.31																							17.3	
21.7		.510	.607	.793	.883	.972	1.10	1.22	1.34	1.46	1.57	1.75	1.91	2.06																					21.7	
25.4		.602	.716	.939	1.05	1.15	1.31	1.46	1.61	1.75	1.89	2.11	2.32	2.52	2.70	2.87																			25.4	
27.2		.646	.769	1.01	1.13	1.24	1.41	1.58	1.74	1.89	2.05	2.29	2.52	2.74	2.94	3.14	3.32	3.49																	27.2	
30		.715	.852	1.12	1.25	1.38	1.57	1.76	1.94	2.11	2.29	2.56	2.83	3.08	3.32	3.55	3.77	3.97	4.34																30	
34		.814	.971	1.28	1.43	1.58	1.80	2.01	2.22	2.43	2.63	2.96	3.27	3.58	3.87	4.14	4.41	4.66	5.13																34	
38.1		.915	1.09	1.44	1.61	1.78	2.03	2.28	2.52	2.75	2.99	3.36	3.73	4.08	4.42	4.75	5.07	5.37	5.94	6.46	6.93														38.1	
42.7		1.03	1.23	1.62	1.82	2.01	2.29	2.57	2.85	3.12	3.38	3.82	4.24	4.65	5.05	5.43	5.80	6.16	6.85	7.48	8.06	8.60	9.08	9.52										42.7		
45		1.09	1.30	1.71	1.92	2.12	2.42	2.72	3.01	3.30	3.58	4.04	4.49	4.93	5.36	5.77	6.17	6.56	7.30	7.99	8.63	9.22	9.77	10.3										45		
48.6		1.17	1.40	1.85	2.08	2.30	2.63	2.95	3.27	3.58	3.89	4.40	4.89	5.38	5.85	6.30	6.75	7.18	8.01	8.79	9.52	10.2	10.8	11.4	11.9	12.4									48.6	
50.8		1.23	1.47	1.94	2.18	2.41	2.75	3.09	3.43	3.76	4.08	4.62	5.14	5.65	6.14	6.63	7.10	7.56	8.44	9.28	10.1	10.8	11.5	12.1	12.7	13.2									50.8	
54			1.56	2.07	2.32	2.56	2.93	3.30	3.65	4.01	4.36	4.93	5.49	6.04	6.58	7.10	7.61	8.11	9.07	9.99	10.8	11.7	12.4	13.1	13.8	14.4									54	
57			1.65	2.19	2.45	2.71	3.10	3.49	3.87	4.25	4.62	5.23	5.83	6.41	6.98	7.55	8.09	8.63	9.67	10.7	11.6	12.5	13.3	14.1	14.8	15.5	16.2								57	
60.5			1.75	2.32	2.61	2.89	3.30	3.71	4.12	4.52	4.92	5.57	6.21	6.84	7.46	8.06	8.66	9.24	10.4	11.4	12.5	13.4	14.4	15.2	16.1	16.8	17.6								60.5	
63.5			1.84	2.44	2.74	3.03	3.47	3.90	4.33	4.76	5.18	5.87	6.55	7.21	7.87	8.51	9.14	9.75	10.9	12.1	13.2	14.2	15.2	16.2	17.1	17.9	18.7								63.5	
65			1.89	2.50	2.81	3.11	3.56	4.00	4.44	4.88	5.31	6.02	6.71	7.40	8.07	8.73	9.38	10.0	11.2	12.4	13.6	14.6	15.7	16.7	17.6	18.5	19.3								65	
70				2.70	3.03	3.35	3.84	4.32	4.80	5.27	5.74	6.51	7.27	8.01	8.75	9.47	10.2	10.9	12.2	13.5	14.8	16.0	17.2	18.3	19.3	20.3	21.3	22.2	23.1						70	
75				2.86	3.25	3.60	4.12	4.64	5.16	5.67	6.17	7.00	7.82	8.63	9.43	10.2	11.0	11.7	13.2	14.6	16.0	17.4	18.6	19.9	21.1	22.2	23.3	24.3	25.3						75	
76.3				2.95	3.31	3.66	4.20	4.73	5.25	5.77	6.28	7.13	7.97	8.79	9.60	10.4	11.2	12.0	13.5	14.9	16.3	17.7	19.0	20.3	21.5	22.7	23.8	24.9	25.9						76.3	
82.6				3.20	3.59	3.98	4.55	5.13	5.70	6.27	6.83	7.75	8.67	9.57	10.5	11.3	12.2	13.1	14.7	16.3	17.9	19.4	20.9	22.3	23.7	25.0	26.3	27.5	28.7	29.8	30.9				82.6	
89.1				3.45	3.86	4.30	4.92	5.55	6.16	6.78	7.39	8.39	9.39	10.4	11.3	12.3	13.2	14.2	16.0	17.8	19.5	21.2	22.8	24.4	25.9	27.4	28.8	30.2	31.6	32.8	34.1				89.1	
90					4.34	4.97	5.60	6.23	6.85	7.47	8.48	9.49	10.5	11.5	12.4	13.4	14.3	16.2	18.0	19.7	21.4	23.1	24.7	26.2	27.7	29.2	30.6	32.0	33.3	34.5					90	
101.6					4.91	5.63	6.35	7.06	7.76	8.47	9.63	10.8	11.9	13.0	14.1	15.2	16.3	18.5	20.6	22.6	24.6	26.5	28.4	30.2	32.0	33.8	35.5	37.1	38.7	40.2					101.6	
114.3						7.16	7.97	8.77	9.56	10.9	12.2	13.5	14.8	16.0	17.3	18.5	21.0	23.4	25.7	28.0	30.3	32.5	34.6	36.7	38.8	40.8	42.7	44.7	46.5						114.3	
120						7.53	8.37	9.22	10.1	11.4	12.8	14.2	15.5	16.9	18.2	19.5	22.1	24.6	27.1	29.6	32.0	34.3	36.6	38.8	41.0	43.2	45.3	47.3	49.3						120	
127						7.98	8.87	9.77	10.7	12.1	13.6	15.0	16.5	17.9	19.3	20.7	23.5	26.2	28.9	31.5	34.0	36.5	39.0	41.4	43.8	46.1	48.4	50.6	52.8	62.9					127	
130						8.17	9.09	10.0	10.9	12.4	13.9	15.4	16.9	18.3	19.8	21.2	24.1	26.9	29.6	32.3	34.9	37.5	40.0	42.5	45.0	47.4	49.7	52.0	54.3	64.7					130	
139.8									11.8	13.4	15.0	16.6	18.2	19.8	21.4	22.9	26.0	29.0	32.0	34.9	37.8	40.6	43.4	46.2	48.8	51.5	54.1	56.6	59.1	70.8					139.8	
150									12.6	14.4	16.1	17.9	19.6	21.3	23.0	24.7	28.0	31.3	34.5	37.7	40.8	43.9	47.0	49.9	52.9	55.8	58.6	61.4	64.1	77.1					150	
152.4									12.9	14.6	16.4	18.2	19.9	21.7	23.4	25.1	28.5	31.8	35.1	38.4	41.5	44.7	47.8	50.8	53.8	56.8	59.7	62.5	65.3	78.5					152.4	
165.2									14.0	15.9	17.8	19.8	21.7	23.6	25.4	27.3	31.0	34.7	38.3	41.8	45.3	48.8	52.2	55.6	58.9	62.1	65.3	68.5	71.6	86.4					165.2	
168.3												18.2	20.1	22.1	24.0	25.9	27.8	31.6	35.4	39.0	42.7	46.3	49.8	53.3	56.7	60.1	63.4	66.7	70.0	73.1	88.3				168.3	
177.8												19.2	21.3	23.4	25.4	27.5	29.5	33.5	37.5	41.4	45.2	49.1	52.8	56.6	60.2	63.8	67.4	70.9	74.4	77.8	94.2				177.8	
180												19.5	21.6	23.7	25.7	27.8	29.9	33.9	38.0	41.9	45.8	49.7	53.5	57.3	61.0	64.7	68.3	71.9	75.4	78.9	95.6				180	
190.7													22.9	25.1	27.3	29.5	31.7	36.0	40.3	44.6	48.3	52.9	57.0	61.0	65.0	68.9	72.8	76.7	80.4	84.2	102				190.7	
203.2													24.4	26.8	29.2	31.5	33.9	38.5	43.1	47.6	52.1	56.6	61.0	65.3	69.6	73.9	78.1	82.2	86.3	90.4	110				203.2	
216.3													28.6	31.1	33.6	36.1	41.1	46.0	50.9	55.7	60.5	65.2	69.8	74.5	79.0	83.6	88.0	92.4	96.8	118					216.3	
219.1													29.0	31.5	34.1	36.6	41.6	46.5	51.6	56.4	61.3	66.1	70.8	75.5	80.1	84.7	89.3	93.8	98.2	120					219.1	
228.6													30.3	32.9	35.6	38.3	43.5	48.7	53.9	59.0	64.1	69.1	74.1	79.0	83.9	88.7	93.5	98.2	103	126					228.6	
232													30.7	33.4	36.1	38.8	44.2	49.5	54.7	59.9	65.1	70.2	75.3	80.3	85.2	90.1	95.0	99.8	105	128					232	
241.8													32.0	34.9	37.7	40.5	46.1	51.7	57.2	62.6	68.0	73.3	78.6	83.9	89.1	94.2	99.3	104	109	134					241.8	
244.5													32.4	35.3	38.1	41.0	46.7	52.3	57.8	63.3	68.8	74.2	79.6	84.9	90.2	95.4	101	106	111	135					244.5	
260.0													34.5	37.6	40.6	43.7	49.7	55.7	61.7	67.5	73.4	79.2	84.9	90.6												