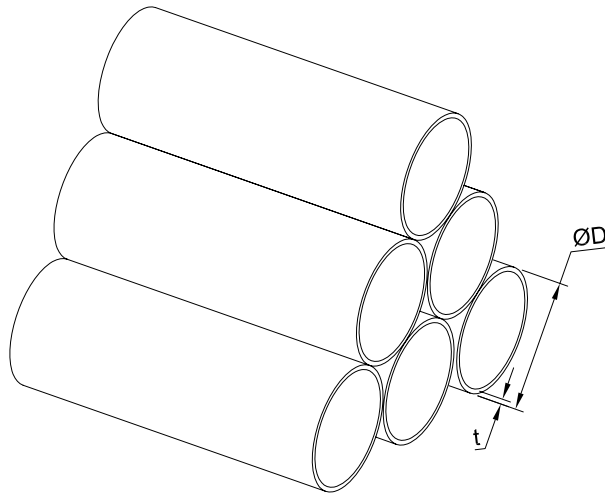




DIN11850			3A			SMS/DS		
Size	D×t	D×t	Size	D	t	Size	D	t
DN10	12×1.5	13×1.5	1/2"	12.7	1.65	19	19.1	1.25/1.5
DN15	18×1.5	19×1.5	3/4"	19.05	1.65	25	25.4	1.25/1.5
DN20	22×1.5	23×1.5	1"	25.4	1.65	32	31.8	1.25/1.5
DN25	28×1.5	29×1.5	1 1/2"	38.1	1.65	38	38.1	1.25/1.5
DN32	34×1.5	35×1.5	2"	50.8	1.65	51	50.8	1.25/1.5
DN40	40×1.5	41×1.5	2 1/2"	63.5	1.65	63	63.5	1.6/2.0
DN50	52×1.5	53×1.5	3"	76.2	1.65	76	76.2	1.6/2.0
DN65	70×2.0	70×2.0	4"	101.6	2.1	89	88.9	2.0
DN80	85×2.0	85×2.0	6"	152.4	2.8	102	101.6	2.0
DN100	104×2.0	104×2.0	8"	203.2	2.8			
DN125	129×2.0	129×2.0						
DN150	154×2.0	154×2.0						
DN200	204×2.0	204×2.0						
Series 0		Series 2						

ISO/IDF			ISO 2037		ISO 1127		BS 4825	
Size	D	t	D	t	D	t	D	t
12.7	12.7	1.5	12.7	1.2	13.5	1.6	12.7	1.6
19	19.1	1.5	17.2	1.2	17.2	1.6	15.88	1.6
25	25.4	1.5	21.3	1.2	21.3	1.6	19.05	1.6
32	31.8	1.5	25.0	1.2	26.9	1.6	25.4	1.6
38	38.1	1.5	33.7	1.2	33.7	2.0	38.1	1.6
45	45.0	2.0	38.0	1.2	42.4	2.0	50.8	1.6
48	48.0	1.5	40.0	1.2	48.3	2.0	63.5	1.6
51	50.8	1.5	51.0	1.2	60.3	2.0	76.2	1.6
57	57.0	2.0	63.5	1.6	76.1	2.0	101.6	2.0
63	63.5	2.0	70.0	1.6	88.9	2.3	114.3	2.0
76	76.2	2.0	76.1	1.6	114.3	2.3	139.7	2.0
89	89.0	2.0	88.9	2.0	139.7	2.3	168.3	2.5
102	101.6	2.0	101.6	2.0	168.3	2.3	219.1	2.5
108	108.0	2.0	108.0	2.0	219.1	2.3		
114	114.3	2.0	114.3	2.0				
133	133.0	2.5	139.7	2.0				
159	159.0	2.5	168.3	2.6				
204	204.0	2.5	219.1	2.6				

Stainless Steel Standards of Different Countries

GB (China)	EN (Europe)	AISI (U.S.A)	ASTM (U.S.A)	BSI (U.K)	DIN (Germany)	JIS (Japan)
0Cr18Ni9	X5CrNi18-10	304	TP304	304 S 15 304 S 16	1.4301	SUS304
00Cr19Ni10	X2 CrNi19-11	304L	TP304L	304 S 11	1.4306	SUS304L
0Cr17Ni12Mo2	X5CrNiMo17-2-2	316	TP316	316 S 31	1.4401	SUS316
00Cr17Ni14Mo2	X2CrNiMo17-2-2	316L	TP316L	316 S 11	1.4404	SUS316L

Chemical Composition and Mechanics Property

(GB)	TYPE	≤	≤	≤	≤	≤				Mechanical Properties			
		C	Si	Mn	P	S	Cr	Mo	Ni	σ ₂ (Mpa)≥	σ _b (Mpa)≥	δ ₅ %	Hb≤
	304	0.07	1.0	2.0	0.035	0.030	18.0-20.0	/	8.0-11	205	520	40	187
(ASTM)	304L	0.03	1.0	2.0	0.035	0.030	18.0-20.0	/	8.0-12	177	480	40	187
	316	0.08	1.0	2.0	0.035	0.030	16.0-18.5	2.0-3.0	10-14	205	520	40	187
	316L	0.03	1.0	2.0	0.035	0.030	16.0-18.0	2.0-3.0	12-15	177	480	40	187
(JIS)	TYPE	≤	≤	≤	≤	≤				Mechanical Properties			
		C	Si	Mn	P	S	Cr	Mo	Ni	σ ₂ (Mpa)≥	σ _b (Mpa)≥	δ ₅ %	Hb≤
	TP304	0.08	0.75	2.0	0.040	0.030	18.0-20.0	/	8.0-11	205	515	35	187
	TP304L	0.035	0.75	2.0	0.040	0.030	18.0-20.0	/	8.0-13	170	485	35	187
	TP316	0.08	0.75	2.0	0.040	0.030	16.0-18.0	2.0-2.5	10-14	205	515	35	187
(AISI)	TYPE	≤	≤	≤	≤	≤				Mechanical Properties			
		C	Si	Mn	P	S	Cr	Mo	Ni	σ ₂ (Mpa)≥	σ _b (Mpa)≥	δ ₅ %	HB≤
	304	0.08	1.0	2.0	0.040	0.030	18.0-20.0	/	8.0-11	206	520	35	187
	304L	0.03	1.0	2.0	0.040	0.030	18.0-20.0	/	9.0-13	177	481	35	187
	316	0.08	1.0	2.0	0.040	0.030	16.0-18.0	2.0-3.0	10-14	206	520	35	187
(EN)	316L	0.03	1.0	2.0	0.040	0.030	16.0-18.0	2.0-3.0	12-16	177	481	35	187
	TYPE	≤	≤	≤	≤	≤				Mechanical Properties			
		C	Si	Mn	P	S	Cr	Mo	Ni	σ ₂ (Mpa)≥	σ _b (Mpa)≥	δ ₅ %	HB≤
	304	0.07	1.0	2.0	0.045	0.015	17.0-18.0	/	8.0-10	205	520	40	187
(EN)	304L	0.03	1.0	2.0	0.045	0.015	17.0-18.0	/	8.0-10	180	480	40	187
	316	0.08	1.0	2.0	0.045	0.015	16.5-18.0	2.0-2.5	10-13	205	520	40	187
	316L	0.03	1.0	2.0	0.045	0.015	16.5-18.0	2.0-2.5	10-13	180	480	40	187