



廣州市金美特鋼業有限公司

GUANGZHOU KINGMETAL STEEL INDUSTRY CO., LIMITED



Authorized Distributor



中華五金有限公司
CHUNG WAH METAL CO., LTD.

- ▶ SEAMLESS STEEL PIPES
- ▶ SEAMLESS PIPE FITTINGS
- ▶ WELDED STEEL PIPES
- ▶ WELDED PIPES FITTINGS
- ▶ HYGIENIC STEEL PIPES
- ▶ SANITARY PIPE FITTINGS
- ▶ VALVES & FLANGES
- ▶ ROUND BAR & STEEL COILS

目錄

contents

01	產品刑表 Product List
02	企業簡介 Brief Of Company
03-04	鋼管五藝流程 Pipe Process Route
05-06	管件生產工藝流程圖 Pipe Fittings Manufacturing Method And Process
07	產品應用 Applications
08	不銹鋼無縫鋼管 Seamless Stainless Steel Pipes
09	外徑和壁厚表 Outside Diameter And Wall Thicknessasme 36.10m, B36. 19m
10-12	尺寸公差表 Pipes/Tubes Size Tolerances
13	國內國際尺寸偏差對照 Comparison between domestic and international size deviations
14	中外不銹鋼、耐熱鋼鋼號對照表 Comparison table between domestic and foreign stainless steel and refractory steel grades



15	化學成分要求 Requirements for chemical components
16	機械性能 Mechanics test
17	碳鋼管 Carbon steel pipe
18	產品標準一覽表 Brief of products
19	流體輸送用管 Pipe for liquid transportation
20	對焊管件 Butt welded fittings
21-22	45° 90° 180° 長半徑彎頭 Long radius elbows (45° 90° 180°)
23-24	90° 180° 短半徑彎頭 Short radius elbows (90° 180°)
25-33	三通（等徑、異徑）Tees (Straight and reducing)
34-38	異徑接頭（同心、偏心）Reducers (Concentric and eccentric)
39-40	管帽 Caps
41	翻邊接頭 Lap joint stub ends
42	彎管 Bend
43	鍛制管件 Forged fittings
44	承插管件 Socket welding fittings
45	螺紋管件 Threaded fittings
46	管座 Outlets
47	承插式 螺紋式活接頭 Socket and threaded unions
48	法蘭 Flange
49-50	ASME B16.5 美標法蘭 ASME B16.5 American standard flange
51-52	EN1092-1 歐標法蘭 EN1092-1 European standard flange
53-56	JIS B2220 日標法蘭 JIS B2220 Japanese standard flange

PRODUCT LIST

1. STEEL PIPE AND PIPE FITTINGS 钢管和管件

1) SEAMLESS CARBON STEEL PIPE 碳钢无缝钢管		
STRUCTURE PIPE	结构管	GB8162,ASTMA500,ASTM A50 1,ASTM A519,JISG3441 ETC.
PIPE FOR LIQUID TRANSPORTATION	流体管	GB/T8163,ASTMA5 3,ASTMA106,DIN1629, JIS3452,JIS3454 ,BS EN10216-1 & BS EN10216-2
OIL CASING TUBE	油套管	API SPEC5CT
TUBING,COUPING FOR OIL FIELD	油井管, 接箍	API SPEC5CT
LINE PIPE	管线钢管	API5L,ASTM A53/A 106/API 5L
BOILER TUBE	锅炉管	GB5310,GB3087 ,ASTMA106,ASTM A213, JIS346 1,JIS3462,DIN17175,BS3059,ETC
PETROLEUM CRACKING TUBE	石油裂化管	GB9948,JISG3441 ETC
TUBE FOR AUTO SEMI - SAHFT CASING	汽车半轴套管	DIN1629
TUBE FOR HYDROLIC CYLINDER	液压管	GB/T17396,DIN1629,DIN2391
PRECISION TUBE (COLD DRAWN)	冷拔精密管	GB/T3639,GB/T8713,DIN2391
DRILLING PIPE	钻探管	
BEARING TUBE	轴承钢管	

2) SEAMLESS STAINLESS STEEL PIPE 不锈钢无缝钢管		
STRUCTURE PIPE	结构管	GB/T14976,ASTM A269,ASTM A312
PIPE FOR FLUID TRANSPORT	流体管	ASTM A312 /BS EN10216-5
HEAT EXCHANGER,BOILER TUBE	热交换管, 锅炉管	ASTM A213
HYGEIAN TUBE	卫生用管	ASTM A270

3) WELDED CARBON STEEL PIPE 焊接碳钢管		
ERW PIPE	高频直缝焊管	GB/T3092,ASTM A53,ASTMA500
RECTANGULAR PIPE	矩形管	GB/T6728,ASTM A500
SUARE PIPE	方形管	GB/T6728,ASTM A500
LSAW (LONGITUDINALSEAM		
SUBMEREGED ARC WELDED PIPE)	直缝埋弧焊管	ASTM A252,API5L JISG3444,DIN17172
SPIRAL SEAM SUBMEREGED ARC		
WELDED PIPE	螺旋埋弧焊管	ASTM A252,API5L,JISG3444,DIN17172
GALVANIZED STEEL PIPE	镀锌管	GB/T3091,BS1387,BS4568 /BS EN10255

4) WELDED STAINLESS STEEL PIPE 焊接不锈钢管		
STRUCTURE PIPE	结构管	GB/T14976,ASTM A269,ASTM A312
PIPE FOR FLUID TRANSPORT	流体管	ASTM A312 /BS EN10217-7
HEAT EXCHANGER,BOILER TUBE	热交换管, 锅炉管	ASTM A249
HYGEIAN TUBE	卫生用管	ASTM A270
DECORATIVE PIPE	装饰管	ASTM A554

5) PIPE FITTINGS 管件		
TEE,ELBOW,REDUCER,FLANGS ETC.,.	三通、弯头、大小头、法兰	

2. VALVES 阀门

BALL VALVES,GATE VALVES,CHECK VALVES,GLOBE VALVES,BUTTELY VALVES ETC.,.	球阀、闸阀、止回阀、截止阀、蝶阀
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企业简介 |

我公司是一家专业生产和销售钢管、管件和阀门的实业有限公司，有自己大型的现代化工厂，工厂通过ISO、TUV的PED、AD认证，能生产出高品质专供出口产品。不锈钢管规格从6MM-630MM，主要是流体输送管道，锅炉压力容器管道，还有卫生管道。管件规格为1/2"-48"，主要是弯头、三通、大小头、管帽、翻边和法兰。我们的不锈钢材质为TP304，304L，316，316L，304/304L，316/316L，321，310S，317L，347H，31803等等。阀门有铸造和锻造的碳钢、不锈钢产品，如球阀、闸阀、截止阀、止回阀、蝶阀，同时也提供常用的铸铁阀门。到目前为止，我们的产品已经走向世界的各个角落，主要区域有美国、加拿大、英国、荷兰、意大利、澳大利亚、印度、巴基斯坦、泰国、印尼、新加坡等等。

同时我们自己也代理宝钢、衡钢、天钢、鞍钢、攀钢等国内大集团生产的各种碳钢管和管件产品，包括无缝管及焊接管，镀锌管及异型管，还有弯头、三通、大小头、管帽、翻边和法兰等。这样能够更好地协助客户进行国际采购工作，让客户节省时间的同时也体验到我司完美的服务质量。

我们拥有先进的生产管理技术，以优良的品质来赢得客户的信赖。

我们拥有团结向上、认真负责、热情服务的销售人才，以良好的售后服务来取悦客户、稳定客户。

我们拥有真诚和期待的心，以美好的心愿来期待您的联系。

BRIEF OF COMPANY |

WE ARE A PROFESSIONAL COMPANY IN MANUFACTURING AND SAVING STEEL PIPE, PIPE FITTINGS AND VALVES. WE HAVE OUR OWN BIG FACTORY WITH MODERN MACHINE LINE, AND WAS APPROVED ISO, TUV, PED, AD CERTIFICATE, SO WE MAKE HIGH QUALITY FOR 100% EXPORTING MARKET. FOR PIPE AND PIPE FITTINGS, THE SIZES OF OUR SEAMLESS STEEL PIPE IS 6MM-630MM, INCLUDE TRANSPORTATION PIPES, BOILER TUBES AND HYGIENIC PIPES. THE SIZES OF PIPE FITTINGS IS 1/2"-48", INCLUDE ELBOWS, TEES, REDUCERS, CAPS, STUB ENDS AND FLANGES. WE CAN OFFER MATERIAL WITH TP304, 304L, 316, 316L, 304/304L, 316/316L, 321, 310S, 317L, 347H, 31803 ETC. FOR VALVES, OUR VALVES HAVE CAST AND FORGE TYPES, INCLUDE BALL VALVES, GATE VALVES, GLOBE VALVES, CHECK VALVES AND BUTTERFLY VALVES, AND ALSO OFFER THE NORMAL CAST IRON VALVES. UNTIL NOW, OUR PRODUCTS HAVE EXTENDED ALL OVER THE WORLD, THE MAIN MARKET IS USA, CANADA, UK, HOLLAND, ITALY, AUSTRALIA, INDIA, PAKISTAN, THAILAND, INDONESIA, SINGAPORE ETC.

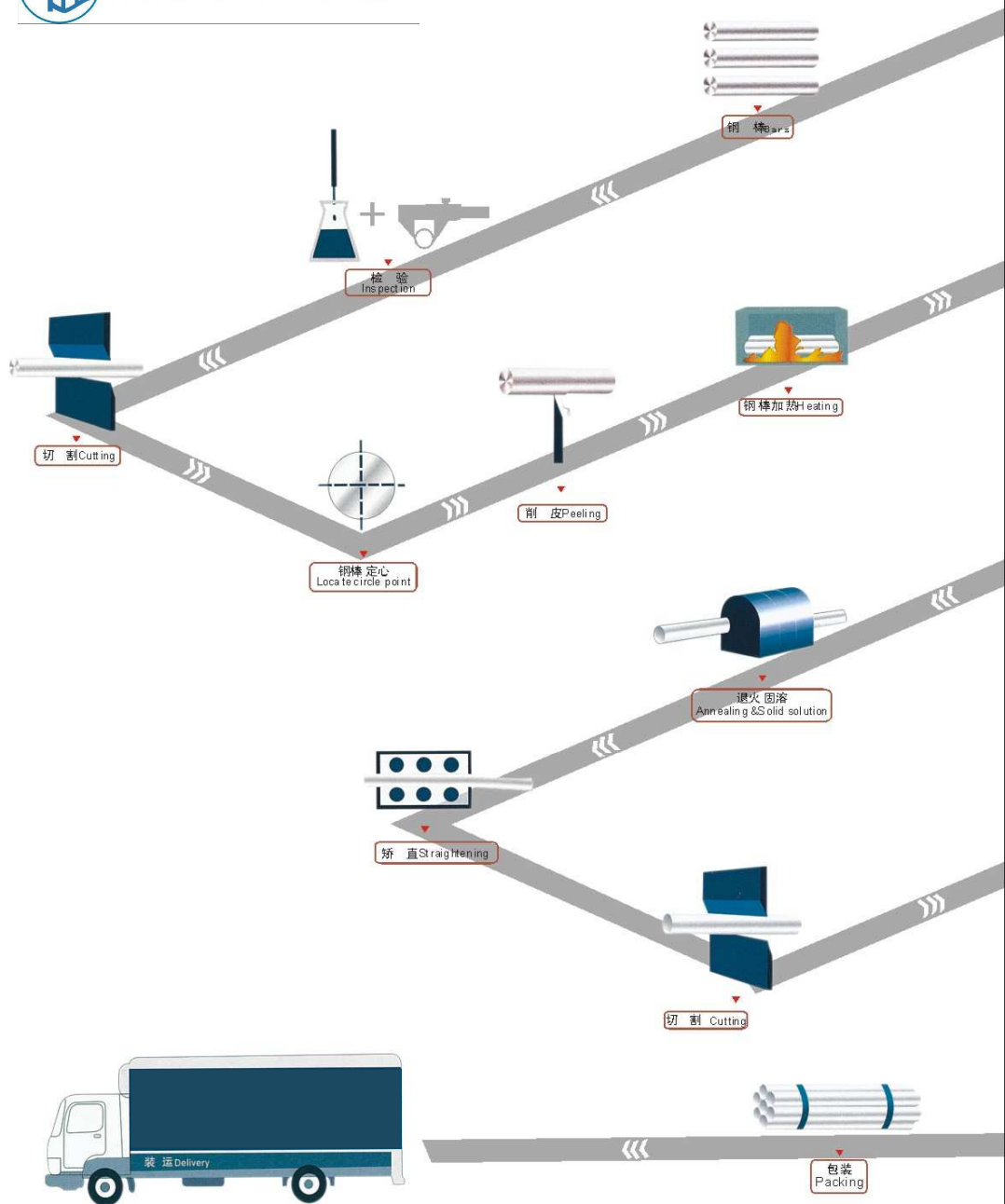
AT THE SAME TIME, WE ARE ALSO THE AGENCY OF BAOSTEEL, HENGYANG, TIANJIN, ANSHAN, PANGANG ETC. BIG GROUP STEEL COMPANY. WE OFFER THE SEAMLESS CARBON STEEL PIPE, WELDED CARBON STEEL PIPE, GALVANIZED PIPE, SPECIAL PIPE AND ELBOWS, TEES, REDUCERS, CAPS, STUB ENDS, FLANGES ETC. THIS IS BETTER FOR OUR CUSTOMER TO BUY DIFFERENT PRODUCTS FROM CHINA, WHILE THEY ARE SAVING THEIR TIME, BUT THEY CAN ENJOY OUR BEST SERVICE.

WE HAVE ADVANCED TECHNOLOGY OF MANAGEMENT, WE WIN THE TRUST BECAUSE OF OUR GOOD QUALITY.

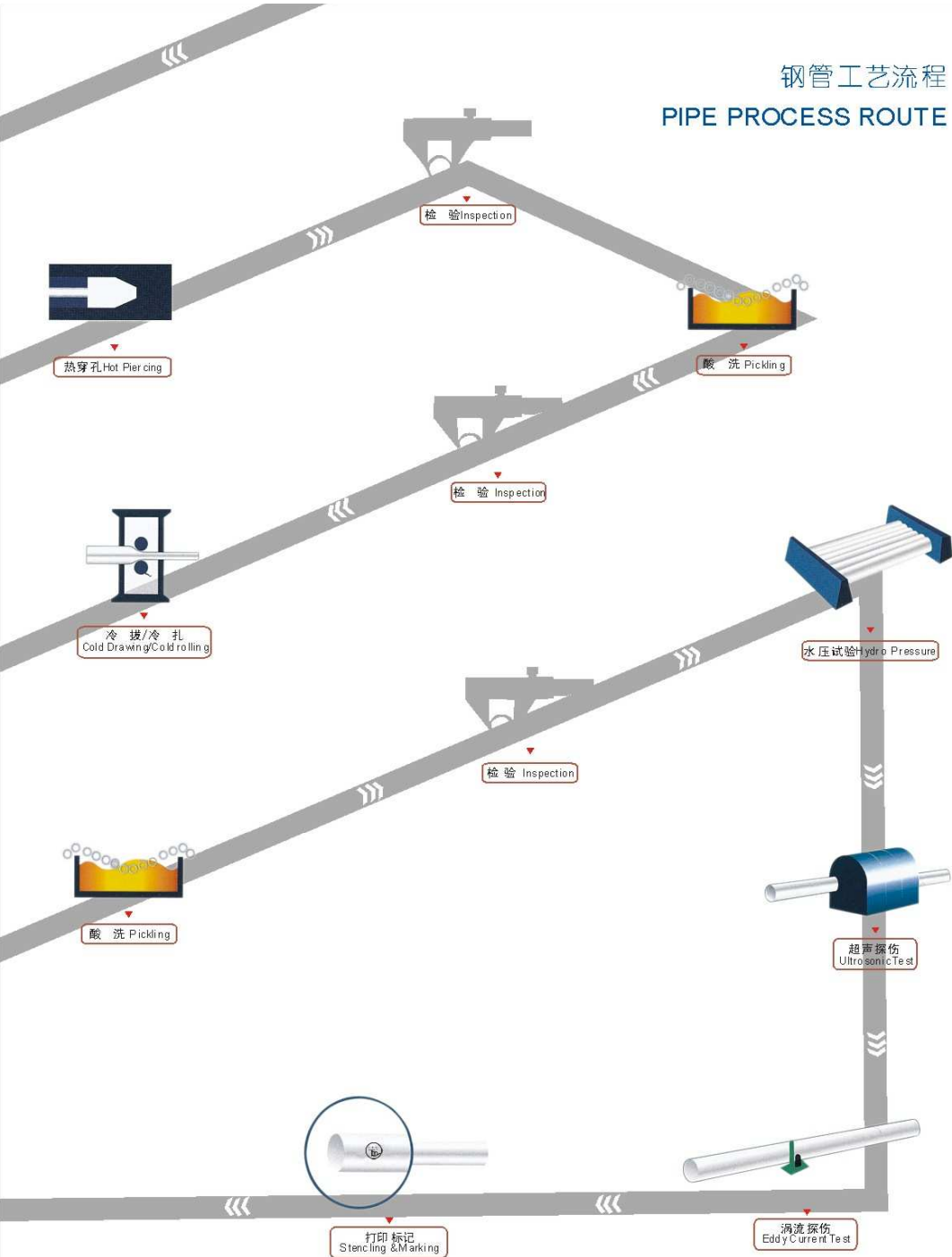
WE HAVE CLANNISH CONSCIENTIOUS AND PASSIONATE SALESMAN, WE GLADDEN AND STEADY THE CUSTOMERS WITH OUR BEST SERVICE.

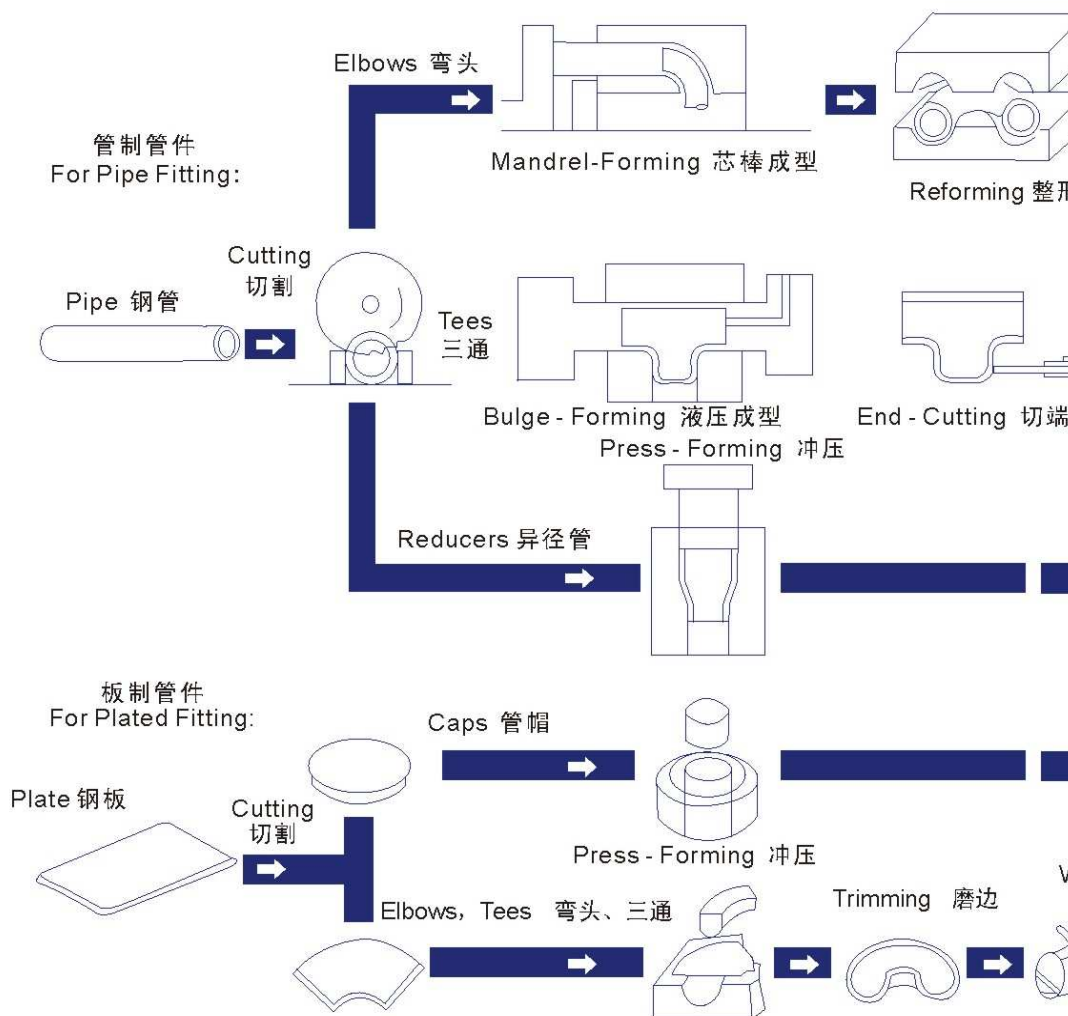
WE ARE PURE-HEARTED AND AWAIT FOR YOUR KIND ATTENTION TO OUR COMPANY.



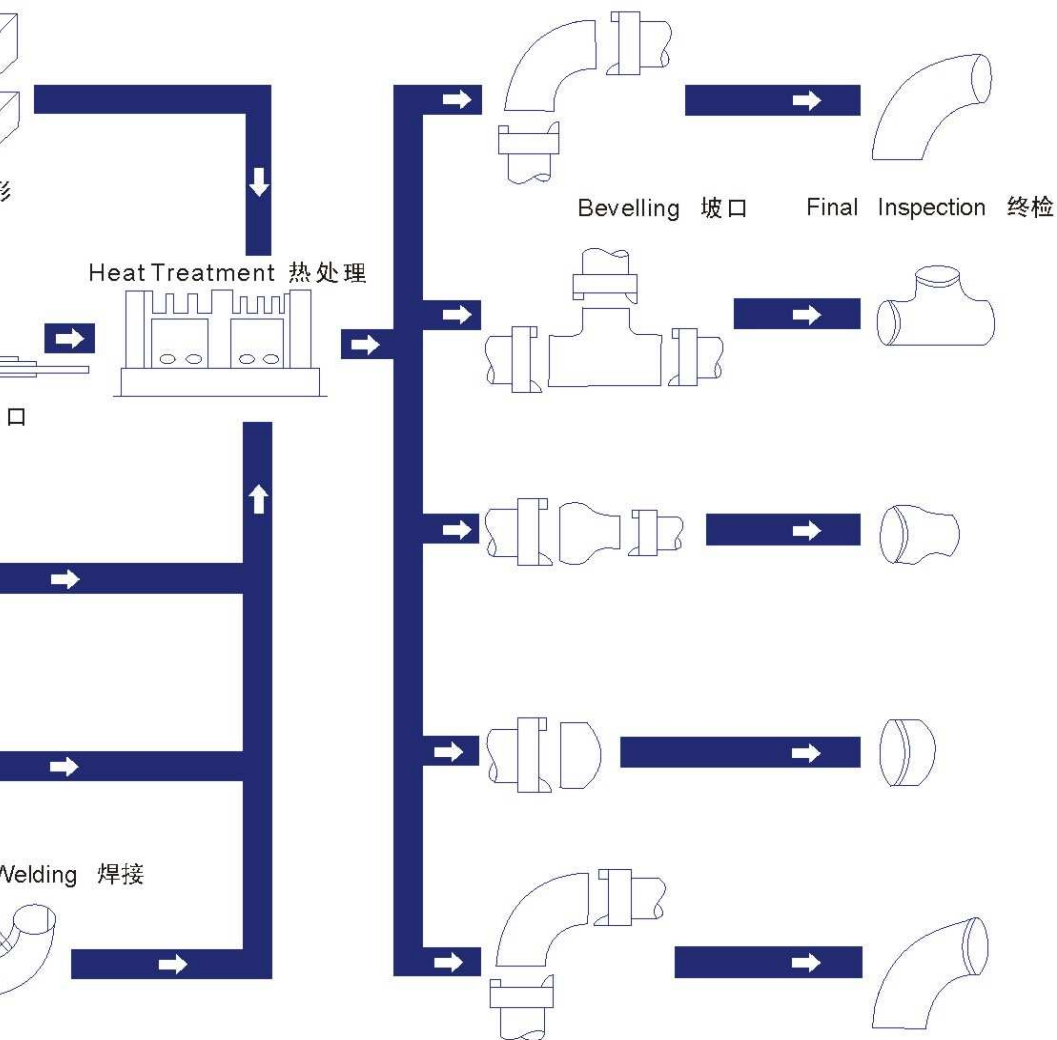


钢管工艺流程 PIPE PROCESS ROUTE





PIPE FITTINGS MANUFACTURING METHOD AND PROCESS

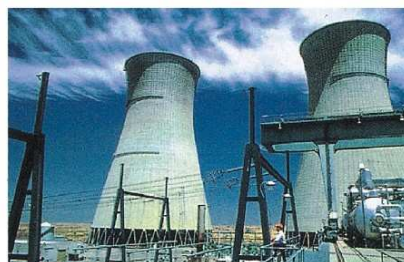




产品应用 APPLICATIONS

我公司产品广泛应用于石油/ 电力/ 化工/ 轻工/ 冶金/ 船舶/ 城建 等行业。

OUR MATERIAL CAN BE USED IN THE PROJECTS OF PETROCHEMICAL /
POWER /CHEMICAL / LIGHT INDUSTRY / METALLURGY / SHIP BUILDING /
URBAN CONSTRUCTION ETC..





广州市金美特钢业有限公司
GUANGZHOU KINGMETAL STEEL INDUSTRY CO., LTD.

不锈钢无缝钢管 SEAMLESS STAINLESS STEEL PIPES





外径和壁厚表

OUTSIDE DIAMETER AND WALL THICKNESS ASME 36.10M, B36.19M

公称通径 Nominal Pipe Size		外径 Outside Diameter	公称壁厚 Nominal Wall Thickness																
DN	NPS	D	SCH 5s	SCH 10S	SCH 10	SCH 20	SCH 30	SCH 40S	STD	SCH 40	SCH 60	SCH 80s	XS	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	XXS
6	1/8	10.3	--	1.24	--	--	--	1.73	1.73	1.73	--	2.41	2.41	2.41	--	--	--	--	--
8	1/4	13.7	--	1.65	--	--	--	2.24	2.24	2.24	--	3.02	3.02	3.02	--	--	--	--	--
10	3/8	17.1	--	1.65	--	--	--	2.31	2.31	2.31	--	3.20	3.20	3.20	--	--	--	--	--
15	1/2	21.3	1.65	2.11	--	--	--	2.77	2.77	2.77	--	3.73	3.73	3.73	--	--	--	4.78	7.47
20	3/4	28.7	1.65	2.11	--	--	--	2.87	2.87	2.87	--	3.91	3.91	3.91	--	--	--	5.56	7.82
25	1	33.4	1.65	2.77	--	--	--	3.38	3.38	3.38	--	4.55	4.55	4.55	--	--	--	6.35	9.09
32	1 1/4	42.2	1.65	2.77	--	--	--	3.56	3.56	3.56	--	4.85	4.85	4.85	--	--	--	6.35	9.70
40	1 1/2	48.3	1.65	2.77	--	--	--	3.68	3.68	3.68	--	5.08	5.08	5.08	--	--	--	7.14	10.15
50	2	60.3	1.65	2.77	--	--	--	3.91	3.91	3.91	--	5.54	5.54	5.54	--	--	--	8.74	11.07
65	2 1/2	73.0	2.11	3.05	--	--	--	5.16	5.16	5.16	--	7.01	7.01	7.01	--	--	--	9.53	14.02
80	3	88.9	2.11	3.05	--	--	--	5.49	5.49	5.49	--	7.62	7.62	7.62	--	--	--	11.13	15.24
90	3 1/2	101.6	2.11	3.05	--	--	--	5.74	5.74	5.74	--	8.08	8.08	8.08	--	--	--	--	--
100	4	114.3	2.11	3.05	--	--	--	6.02	6.02	6.02	--	8.56	8.56	8.56	--	11.13	--	13.49	17.12
125	5	141.3	2.77	3.40	--	--	--	6.55	6.55	6.55	--	9.53	9.53	9.53	--	12.70	--	15.88	19.05
150	6	168.3	2.77	3.40	--	--	--	7.11	7.11	7.11	--	10.97	10.97	10.97	--	14.27	--	18.26	21.95
200	8	219.1	2.77	3.76	--	6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01	22.23
250	10	273.1	3.40	4.19	--	6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
300	12	323.9	3.96	4.57	--	6.35	8.38	9.53	9.53	10.31	14.27	12.70	12.70	17.48	21.44	25.40	28.58	33.23	25.40
350	14	355.6	3.96	4.78	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	4.19	4.78	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	457.2	4.19	4.78	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	4.78	5.54	6.35	9.53	12.70	--	9.53	15.09	20.62	--	12.70	26.19	32.54	38.10	44.45	50.01	--
--	22	559	4.78	5.54	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	5.54	6.35	6.35	9.53	14.27	--	9.53	17.48	24.61	--	12.70	30.96	38.89	46.02	52.37	59.54	--



尺寸公差表 Pipes/Tubes Size Tolerances

标准 (SPECIFICATION)	尺寸(SIZE)		壁厚W (mm)		长度LENGTH(mm)	
	SIZE 尺寸	PERMISSIBLE VARIATION 允许公差	SIZE 尺寸	PERMISSIBLE VARIATION 允许公差	SIZE 尺寸	PERMISSIBLE VARIATION 允许公差
ASTM A312	[10.29, 48.26] (48.26, 114.30) (114.30, 219.08) (219.08, 457.2)	+0.40/-0.80 -0.80/-0.80 +1.6/-0.80 +2.40/-0.80	D≤38.1	±12.5%		+6/-0
	D<25.4 [25.4, 38.1] (38.1, 50.8) [50.8, 63.5] [63.5, 76.2] [76.2, 101.6] [101.6, 190.5] [190.5, 228.6]	+0.10/0.10 +0.15/-0.15 +0.20/-0.20 +0.25/-0.25 +0.30/-0.30 +0.38/-0.38 +0.38/-0.84 +0.38/-1.14	D>38.1	+20%/-0	D>50.8	+3/-0
ASTM A213	D<12.7 [12.7, 38.1] [38.1, 88.9] [88.9, 139.7] [139.7, 203.2]	+0.13/-0.13 +0.25/-0.25 +0.38/-0.38 +0.76/-0.76	S≥2	±10%		+4.8/-0
	D≥30	+0.30/-0.30			D<50; L<7	+7/-0
JIS G3459	D<30 D≥30	±1%		±20% ±10%	D<50; L>7	
	D<40 [40, 50] [50, 60] [60, 80] [80, 100] [100, 120] [120, 160] [160, 200] D≥200	+0.25/-0.25 +0.30/-0.30 +0.40/-0.40 +0.40/-0.60 +0.40/-0.80 +0.40/-0.60 +0.40/-1.60	D<40; S<2	+0.40/-0 +20%/-0	D>50; L<7 D>50; L>7	+10/-0 THE SAME AS
JIS G3463	D≥200	+0.40/-1.60	D≥40	+22%/-0		D<50; L>7m +15/-0 +15/-0
	[10, 30] (30, 50)	+0.30/-0.30 +0.40/-0.40	S≤3 S>3	±14% +12%/-10%		
GB/T14975-02	D≥60	±0.3%				+15/-0
	[6, 10] (10, 30) (30, 50) D>50	+0.20/-0.20 +0.30/-0.30 +0.40/-0.40 ±0.9%			[1, 0, 3]	
GB/T14976-02	[8, 30] (30, 50) D>50	+0.20/-0.20 +0.30/-0.30 ±0.8%	[1, 0, 3] S>3	+12%/-10% ±10%		
GB13296-91	D2 D3 D4	±1.0% ±0.5min ±0.7% ±0.3min ±0.5% ±0.1min	T3 T4	±10% 0.2min ±7.5% 0.15min	D<40; L 1m D<40; L: (1-2)m D<40; L: (2-3)m D<40; L: (3-4)m D<40; L: (4-8)m 40<D<168 L<6m L>6m	+1/-0 +2/-0 +3/-0 +4/-0 +5/-0 +5/-0 +10/-0
DIN17456 DIN17458	D<12.7 [12.7, 38.1] [38.1, 88.9] [88.9, 139.7] [139.7, 203.2] [203.2, 219.0] [219.0, 323.8]	+0.13/-0.13 +0.25/-0.25 +0.38/-0.38 +0.76/-0.76 +1.14/-1.14 +1.57/-1.57		±15% ±10%		+3.2/-0 +4.8/-0
ASTM A511 TABLE 3	D≤76.2 (76.2, 139.7) (139.7, 203.2)	+0.56/-0.58 +0.79/-0.79 +1.19/-1.19	S≤2.77 2.77<S≤4.37 4.37<S≤5.16 S>5.16 S≤2.77 2.77<S≤4.37 4.37<S≤5.16 S>5.16 4.37<S≤5.16 S>5.16	±16.5% ±0.15% ±14% ±12.5% ±16.5% ±15% ±14% ±12.5% ±14% ±12.5%		+4.76/-0



BOLER & HEAT EXCHANGER STAINLESS STEEL TUBES

Scope: Boiler Heating tubes, Chemical Industrial Process Tubes,
Petro-Chemical Process Tubes, Condensor Tubes Dimension & Weight

WT (mm) 0.0 (mm)	1.2	1.6	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	9.5
15.9	0.439	0.570	0.692	0.779	0.861	0.939											
19.0	0.532	0.693	0.847	0.957	1.06	1.16											
21.7	0.613	0.801	0.981	1.11	1.24	1.36	1.47										
25.4	0.723	0.949	1.17	1.32	1.48	1.63	1.77	1.91									
27.2	0.777	1.02	1.26	1.43	1.59	1.76	1.91	2.07	2.31								
31.8	0.915	1.20	1.48	1.69	1.89	2.09	2.28	2.47	2.77	3.06							
34.0		1.29	1.59	1.82	2.03	2.45	2.46	2.66	2.99	3.31	3.61						
38.1		1.45	1.80	2.05	2.30	2.54	2.78	3.02	3.40	3.77	4.12	4.47					
42.7			2.03	2.31	2.60	2.88	3.15	3.42	3.86	4.28	4.70	5.10	5.49				
45.0			2.14	2.45	2.75	3.04	3.33	3.62	4.09	4.54	4.98	5.14	5.83	6.23			
48.6			2.32	2.65	2.98	3.30	3.62	3.93	4.44	4.94	5.43	5.90	6.37	6.82	7.25		
50.8			2.43	2.78	3.12	3.46	3.79	4.12	4.66	5.19	5.70	6.21	6.70	7.17	7.64	8.53	9.77
54.0			2.59	2.96	3.33	3.69	4.05	4.40	4.98	5.55	6.10	6.64	7.17	7.69	8.20	9.17	10.5
57.1			2.75	3.14	3.53	3.92	4.30	4.67	5.29	5.90	6.49	7.07	7.46	8.19	8.74	9.78	11.3
60.3			2.90	3.32	3.74	4.15	4.55	4.95	5.61	6.25	6.89	7.51	8.12	8.71	9.29	10.4	12.0
63.5				3.51	3.94	4.38	4.81	5.23	5.93	6.61	7.29	7.95	8.59	8.23	9.85	11.1	12.8
65.0				3.59	4.04	4.49	4.93	5.36	6.08	6.78	7.47	8.15	8.82	9.47	10.1	11.4	13.1
70.0				3.88	4.37	4.85	5.32	5.80	6.58	7.34	8.10	8.84	9.57	10.3	11.0	12.4	14.3
76.2				4.23	4.77	5.30	5.82	6.34	7.19	8.04	8.87	9.69	10.5	11.3	12.1	13.6	15.8
82.6							6.33	6.90	7.83	8.75	9.67	10.6	11.4	12.3	13.2	14.9	17.3
88.9							6.83	7.45	8.46	9.46	10.4	11.4	12.4	13.3	14.3	16.1	18.8
101.6								8.55	9.72	10.9	12.0	13.2	14.3	15.4	16.5	18.7	21.8
114.3									11.0	12.3	13.6	14.9	16.2	17.5	18.7	21.2	24.8
127.0									12.3	13.7	15.2	16.6	18.1	19.5	20.9	23.7	27.8
139.8												18.4	20.0	21.6	23.2	26.3	30.8



JISG 3459

Unit:kg/m

Nominal Diameter		Nominal wall thickness															
		SCH 5S						SCH 10S									
A	B	O.D (mm)	W.T (mm)	Weight(kg/m)		W.T (mm)	Weight(kg/m)		W.T (mm)	Weight(kg/m)		W.T (mm)	Weight(kg/m)		W.T (mm)	Weight(kg/m)	
				TYPE			TYPE			TYPE			TYPE				
				304 304L	316 316L		304 304L	316 316L		304 304L	316 316L		304 304L	316 316L			
																TYPE	TYPE
6	1/8	10.5	1.0	0.237	0.238	1.2	0.278	0.280	1.5	0.336	0.338	1.7	0.373	0.375	2.4	0.484	0.487
8	1/4	13.8	1.2	0.377	0.379	1.65	0.499	0.503	2.0	0.588	0.592	2.2	0.636	0.640	3.0	0.807	0.812
10	3/8	17.3	1.2	0.481	0.484	1.65	0.643	0.647	2.0	0.762	0.767	2.3	0.859	0.865	3.2	1.12	1.13
15	1/2	21.7	1.65	0.824	0.829	2.1	1.03	1.03	2.5	1.20	1.20	2.7	1.32	1.33	3.7	1.66	1.67
20	3/4	27.2	1.65	1.05	1.06	2.1	1.31	0.32	2.5	1.54	1.55	2.9	1.76	1.77	3.9	2.26	2.28
25	1	34.0	1.65	1.33	1.34	2.8	2.18	2.19	3.0	2.32	2.33	3.4	2.59	2.61	4.5	3.31	3.33
32	1 1/4	42.7	1.65	1.69	1.40	2.8	2.78	2.80	3.0	2.97	2.99	3.6	3.51	3.53	4.9	4.61	4.64
40	1 1/2	48.6	1.65	1.93	1.61	2.8	3.19	3.21	3.0	3.41	3.43	3.7	4.14	4.16	5.1	5.53	5.56
50	2	60.5	1.65	2.42	2.43	2.8	4.02	4.05	3.5	4.97	5.00	3.9	5.50	5.53	5.5	7.54	7.58
65	2 ½	76.3	2.1	3.88	3.91	3.0	5.48	5.51	3.5	6.35	6.39	5.2	9.21	9.26	7.0	12.1	12.2
80	3	89.1	2.1	4.55	4.58	3.0	6.43	6.48	4.0	8.38	8.53	5.5	11.5	11.5	7.6	15.4	15.5
90	3 ½	101.6	2.1	5.20	5.24	3.0	7.37	7.42	4.0	9.72	7.79	2.7	13.6	13.7	8.1	18.9	19.0
100	4	114.3	2.1	5.87	5.91	3.0	8.32	8.37	4.0	11.0	11.1	6.0	16.2	16.3	8.6	22.6	22.8
125	5	139.8	2.8	9.56	9.62	3.4	11.6	11.6	5.0	16.8	16.9	6.6	21.9	22.0	9.5	30.8	31.0
150	6	165.2	2.8	11.3	11.4	3.4	13.7	13.8	5.0	20.0	20.1	7.1	28.0	28.1	11.0	42.3	42.5
200	8	216.3	2.8	14.9	15.0	4.0	21.2	21.3	6.5	34.0	34.2	8.2	42.5	42.8	12.7	64.4	64.8
250	10	267.4	3.4	22.4	22.5	4.0	26.2	26.4	6.5	42.2	42.5	9.3	59.8	60.2	15.1	94.9	95.5
300	12	318.5	4.0	31.3	31.5	4.5	35.2	35.4	6.5	50.5	50.8	10.3	79.1	79.6	17.4	131	131
350	14	355.6	-	-	-	-	-	-	-	-	-	11.1	95.3	95.9	19.0	159	160
400	16	406.4	-	-	-	-	-	-	-	-	-	12.7	125	125	21.4	205	207
450	18	457.2	-	-	-	-	-	-	-	-	-	14.3	158	159	23.8	257	259
500	20	508.0	-	-	-	-	-	-	-	-	-	15.1	185	187	26.2	314	316
550	22	558.8	-	-	-	-	-	-	-	-	-	15.9	215	216	28.6	378	380
600	24	609.6	-	-	-	-	-	-	-	-	-	17.5	258	260	31.0	447	450
650	26	660.4	-	-	-	-	-	-	-	-	-	18.9	302	304	34.0	531	534



国内国际尺寸偏差对照

Comparison between domestic and international size deviations

标准 (SPECIFICATION)	尺寸 (SIZE) 尺寸	PERMISSIBLE VARIATION 允许偏差	SIZE 尺寸	PERMISSIBLE VARIATION 允许偏差	SIZE 尺寸	PERMISSIBLE VARIATION 允许偏差
GB/T 14975-2002	[10, 30]	+0.30/-0.30	S≤3	(+, -) 14%	[1.0, 30]	+15/-0
	[30, 50]	+0.40/-0.40	S>3			
	D>50	(+,-)0.9%		(+12%/-10%)		
GB/T 14976-94	[6, 10]	+0.20/-0.20	(0.5, 1.0)	(+, -) 0.15		+15/-0
	[10, 30]	+0.30/-0.30	(10, 3)			
	[30, 50]	+0.40/-0.40	S>3	(+12%/-10%)		
	D>50	(+,-)0.9%		(+, -) 10		
GB 13296-91	[8, 30]	+0.20/-0.20	[1.0, 3.0]			+15/-0
	[30, 50]	+0.30/-0.30	S>3	(+12%/-10%)		
	D>50	(+,-)0.8%		(+, -) 10		
ASTMA213	D≤25.4	+0.10/-0.10	D≤38.1	+20%/-0	D>50.8	+3/-0
	[25.4, 38.1]	+0.15/-0.15				
	[38.1, 50.8]	+0.20/-0.20				
	[50.8, 63.5]	+0.25/-0.25				
	[63.5, 76.2]	+0.30/-0.30	D>38.1	+22%/-0	D≥50.8	+5/-0
	[76.2, 101.6]	+0.38/-0.38				
	[101.6, 190.5]	+0.38/-0.64				
	[190.5, 228.6]	+0.38/-1.14				
ASTMA269	D<12.7	+0.13/-0.13				
	[12.7, 38.1]			(+, -) 15%		+3.2/-0
	[38.1, 88.9]	+0.25/-0.25				
	[88.9, 139.7]	+0.38/-0.38				+4.8/-0
ASTMA312	[139.7, 203.2]	+0.76/-0.76		(+, -) 10%		
	[10.29, 48.26]	+0.40/-0.80				
	[48.26, 114.30]	+0.08/-0.80				+6/-0
	[114.30, 219.08]	+1.6/-0.80				
JISG3459	[219.08, 457.20]	+2.40/-0.80				
				10.29~73.03 ±0.125% 88.90~762.00/D ≤5% +22% 125% 88.90~762.00/D >5% +15% 125% > 508.00 10. 规格表 长度 规格 公差 +17.5% 12.5		
	D<30	+0.03/-0.30	S<2	(+, -) 20		
	D≥30	+1%/-1%	S≥2	(+, -) 10%		
JISG3463	D<40				D≤50:L≤7/-0	
	[40, 50]	+0.25/-0.25	D<40: S<2		长度每增加3M或	
	[50, 60]				D<50:L>7	
	[60, 80]	+0.30/-0.30	D<40: S≥2		其零数在上面的正允许	
	[80, 100]	+0.40/-0.40		+20%/-0	偏差加上3mm, 最大15mm	
	[100, 120]	+0.40/-0.60			D>50:L≤7	+10/-0
	[120, 160]	+0.40/-0.80				
	[160, 200]	+0.40/-0.60	D≥40			
DIN17456	D≥200	+0.40/-1.60				
DIN17458	D2	(+, -)1.0%(+,-)0.5min	T3	(+, -) 10% 0.2min	D≤40 L1m	+1/0
					D≤40 L1-2m	+2/0
	D3	(+, -)0.75%(+,-)0.3min	T4	(+, -) 7.5% 0.15min	D≤40 L2-3m	+3/0
					D≤40 L3-4m	+4/0
	D4	(+, -)5% 0.1min			D≤40 L4-8m	+5/0
					40<D<108	+5/0
					L≤6m	+10/-0
					L>6m	+3.2/0
ASTMA511	D<12.7	+0.13/-0.13		(+, -) 15%		
	[12.7, 38.1]					
	[38.1, 88.9]	+0.25/-0.25				
TABLE3	[88.9, 139.7]	+0.38/-0.38				+4.8/-0
	[139.7, 203.2]	+0.76/-0.76				
	[203.2, 219.8]	+1.14/-1.14		(+, -) 10%		
	[219.8, 323.85]	+1.57/-1.57				
ASTMA511	D≤76.2	+0.56/-0.58	S≤2.77	(+, -) 16.5%		
			2.77<S≤4.37	(+, -) 15%		
			4.37<S≤5.16	(+, -) 14%		
			S>5.16	(+, -) 12.5%		
TABLE4			S≤2.77	(+, -) 16.5%		
			2.77<S≤4.37	(+, -) 15%		
	[76.2, 139.7]	+0.79/-0.79	4.37<S≤5.16	(+, -) 14%		+4.76/-0
			S>5.16	(+, -) 12.5%		
	[139.7, 203.2]	+1.19/-1.19	4.37<S≤5.16	(+, -) 14%		
			S>5.16	(+, -) 12.5%		



中外不锈钢、耐热钢钢号对照表
Comparison table between domestic and foreign stainless steel and refractory steel grades

序号	中国 GB	美国 AISI, ASTM	日本 JIS	英国 BS	德国 DIN	法国 NFA	国家标准 ISOT
1	1Cr18Ni9	302, S30200	SUS302	302S25	X12CrNi88	Z10CN18.09	12
2	0Cr18Ni9	304, S30400, TP304	SUS304	304S15	X5CrNi89	Z8CN18.09	11
3	00Cr19Ni10	304L, S30403, TP304L	SUS304L	304S12	X2CrNi189	Z2CN18.09	10
4	1Cr18Ni9Ti				X10CrNiTi189		
5	0Cr18Ni10Ti	321, S32100, TP321	SUS321	304S12, 321920	X10CrNiTi189	Z6CNT18.10	15
6	0Cr17Ni12Mo2	316, S31600, TP316	SUS316	316S16	X5CrNiMo1810	Z8CND17.12	20, 20
7	0-1Cr18Ni12Mo2Ti			320S17	X10CrNiMoTi1810	Z8CNDT17.12	
8	00Cr17Ni14Mo2	316L, S31603, TP316L	SUS316L	316S12	X2Cr	Z2CND17.12	19, 19
9	0Cr25Ni20	310S, S31008, TP310S	SUS310S				
10	0Cr19Ni13Mo3	317, S31700, TP317	SUS317	317S16			25
11	00Cr19Ni13Mo3	317, S31703, TP317S	SUS317L	317S12	X2CrNiMo1816	Z2CND18.15	24
12	1Cr18Ni12	305, S30500	SUS305	305S19	X5CrNi911	Z8CN18.12	13
13	0Cr18Ni11Nb	347, S31700, TP347	SUS347	347S17	X10CrNiNb189	Z6CNNB18.10	16
14	1Cr17Ni7	301, S30100	SUS301	301S21	X12CrNi188	Z12CB17.07	14
15	0Cr23Ni13	309S, S30908	SUS309S				
16	0Cr17Ni12Mo2N	316N, S31651	SUS316N				
17	00Cr17Ni13Mo2N		SUS316LN		X2CrNiMoN1812	Z2CND7.12N	
18	0Cr18Ni12Mo2Cu		SUS316J1				
19	00Cr18Ni14Mo2Cu2		SUS316J1L				
20	0Cr19Ni19N	304	SUSN			ZCN18.09A2	



化学成分要求 Requirements for chemical components

牌号 grade	代号 VS	碳最大 C (max)	锰最大 Mn(max)	磷最大 P(max)	硫最大 S(max)	硅 Si	镍 Ni	铬 Cr	铝 Al	钛 Ti	铌+钽 Nb+Ta	钽最大 Ta(max)	氮 N	钒 V	铜 Cu	铈 Ce	硼 B	铍 Be
TP304	S30400	0.08	2.00	0.040	0.030	0.075max	9.00-11.0	18.0-22.0	...	...	...	...	...	...	...	...	...	...
TP304H	S30409	0.04-0.10	2.00	0.040	0.030	0.075max	9.00-11.0	18.0-22.0	...	...	...	...	...	...	...	...	...	...
TP304L	S30403	0.03	2.00	0.040	0.030	0.075max	9.00-12.0	18.0-20.0	...	...	...	...	...	...	...	...	...	...
TP304N	S30451	0.08	2.00	0.040	0.030	0.075max	9.00-11.0	18.0-20.0	...	...	...	...	0.10-0.16	...	...	...	...	...
TP304LN	S30463	0.035	2.00	0.040	0.030	0.075max	9.00-11.0	18.0-20.0	...	...	...	...	0.10-0.16	...	...	...	...	...
TP309CB	S30940	0.08	2.00	0.046	0.030	0.075max	12.0-16.0	22.0-24.0	0.75max	...	10×Cmin	...	...	...	...	...	...	...
											1.10max	...	...	...	...	...	...	...
TP309H	S30909	0.04-0.10	2.00	0.040	0.030	0.075max	12.0-16.0	22.0-24.0	...	...	...	...	...	...	...	...	...	...
TP309CB	S30941	0.04-0.10	2.00	0.046	0.030	0.075max	12.0-16.0	22.0-24.0	0.75max	...	10×Cmin	...	...	...	...	...	...	...
											1.10max	...	...	...	...	...	...	...
TP309S	S30908	0.08	2.00	0.046	0.030	0.075max	12.0-16.0	22.0-24.0	0.75max	...	...	...	...	...	...	...	...	...
TP310CB	S31040	0.08	2.00	0.046	0.030	0.075max	19.0-22.0	24.0-26.0	0.75max	...	10×Cmin	...	...	...	...	...	...	...
											1.10max	...	...	...	...	...	...	...
TP310H	S31009	0.04-0.10	2.00	0.046	0.030	0.075max	19.0-22.0	24.0-26.0	...	...	...	...	...	...	...	...	...	...
TP310HCB	S31041	0.04-0.10	2.00	0.046	0.030	0.075max	19.0-22.0	24.0-26.0	0.75max	...	10×Cmin	...	...	...	...	...	...	...
											1.10max	...	...	...	...	...	...	...
TP310S	S31008	0.08	2.00	0.046	0.030	0.075max	19.0-22.0	24.0-26.0	0.75max	...	...	...	...	...	...	...	...	...
	S31272	0.08-0.12	1.5-2.00	0.040	0.015	0.3-0.7	14.0-16.0	14.0-16.0	1.0-1.4	0.3-0.6	...	...	...	...	...	...	0.004-0.008	...
TP316	S31600	0.08	2.00	0.040	0.030	0.075max	11.0-14.0	16.0-18.0	2.00-3.00	...	...	...	...	...	...	...	...	...
TP316H	S31609	0.04-0.10	2.00	0.040	0.030	0.075max	11.0-14.5	16.0-18.0	2.00-3.00	...	...	...	...	...	...	...	...	...
TP316L	S31603	0.035	2.00	0.040	0.030	0.075max	10.5-14.5	16.0-18.0	2.00-3.00	...	...	...	...	...	...	...	...	...
TP316N	S31651	0.08	2.00	0.040	0.030	0.075max	11.0-14.0	16.0-18.0	2.00-3.00	...	...	...	...	...	...	...	...	...
TP316LN	S31653	0.035	2.00	0.040	0.030	0.075max	11.0-14.0	16.0-18.0	2.00-3.00	...	...	...	...	...	...	...	...	...
TP317	S31700	0.08	2.00	0.040	0.030	0.075max	11.0-15.0	18.0-20.0	3.00-4.00	...	...	...	...	...	...	...	...	...
TP317L	S31703	0.035	2.00	0.040	0.030	0.075max	9.00-13.0	18.0-20.0	3.00-4.00	...	...	...	0.10-0.16	...	...	...	...	...
TP321	S32100	0.08	2.00	0.040	0.030	0.075max	9.00-13.0	17.0-20.0	...	...	...	...	0.10-0.16	...	...	...	...	...
TP321H	S32109	0.04-0.10	2.00	0.040	0.030	0.075max	9.00-13.0	17.0-20.0	...	...	...	...	...	...	...	...	...	...
TP347	S34700	0.08	2.00	0.040	0.030	0.075max	9.00-13.0	17.0-20.0	...	...	...	...	...	...	...	...	...	...
TP347H	S34709	0.04-0.10	2.00	0.040	0.030	0.075max	9.00-13.0	17.0-20.0	...	...	...	...	...	...	...	...	...	...
TP348	S34800	0.08	2.00	0.040	0.030	0.075max	9.00-13.0	17.0-20.0	...	...	...	0.10	...	...	...	...	...	...
TP348H	S34809	0.04-0.10	2.00	0.040	0.030	0.075max	9.00-13.0	17.0-20.0	...	...	...	0.10	...	...	...	...	...	...
TPXM-10	S21900	0.08	8.00-10.00	0.040	0.030	0.075max	6.50-7.50	19.0-21.5	...	...	...	...	0.15-0.40	...	...	...	...	...
TPXM-11	S21904	0.04	8.00-10.00	0.040	0.030	1.00max	6.50-7.50	19.0-21.5	...	...	...	...	0.15-0.40	...	...	...	...	...
TPXM-15	S38100	0.08	2.00	0.030	0.030	1.00max	17.5-19.5	17.0-19.0	...	...	...	...	...	...	...	...	...	...
TPXM-19	S20910	0.060	4.00-6.00	0.040	0.030	1.50-2.50	11.5-13.5	20.5-23.5	1.50-3.00	...	0.10-0.30	...	0.20-0.40	0.10-0.30	...	...	...	...
TPXM-29	S24000	0.080	11.5-14.5	0.060	0.030	1.00max	2.25-3.75	17.0-19.0	...	...	...	...	0.20-0.40	...	...	...	...	...
	S31254	0.020	1.00	0.030	0.010	0.80max	17.5-19.5	19.50-20.5	6.00-6.50	...	...	...	0.18-0.22	...	0.50-1.00	...	...	...
	S30515	0.16-0.24	2.00	0.03	0.03	3.2-4.0	13.5-16.0	17.0-19.5	...	...	...	...	...	...	...	...	...	0.8-1.5
	S30815	0.05-0.10	0.80	0.040	0.030	1.4-2.00	10.0-12.0	20.0-22.0	...	...	...	...	0.14-0.20	...	...	0.05-0.08	...	...
	S31050	0.25	2.00	0.030	0.015	0.4	20.2-23.5	24.0-26.0	1.5-2.5	...	...	...	0.09-0.15	...	...	...	...	...
	S30600	0.018	2.00	0.02	0.02	3.7-4.3	14.0-16.5	17.0-19.5	0.20max	...	...	...	...	...	0.50max	...	...	...
	S31725	0.03	2.00	0.040	0.030	0.75	13.5-17.5	18.0-20.0	4.0-5.0	...	...	...	0.10	...	0.75max	...	...	...
	S31726	0.03	2.00	0.040	0.030	0.75	13.5-17.5	17.0-20.0	4.0-5.0	...	...	...	0.10-0.20	...	0.75max	...	...	...
	S32615	0.07	2.00	0.046	0.030	4.8-6.0	19.0-22.0	16.5-19.5	0.3-1.5	...	...	...	...	...	1.5-2.5	...	...	...
	S32228	0.04-0.09	4.0	0.020	0.015	0.30max	31.0-33.0	26.0-28.0	...	...	0.5-1.0	...	...	...	...	0.05-0.10	...	0.025max
	S24955	0.03	5.0-7.0	0.030	0.010	1.00max	16.0-19.0	23.0-25.0	4.0-5.0	...	0.1max	...	0.4-0.6	...	...	...	...	...
	S30445	0.04-0.05	0.80	0.046	0.030	1.00-2.00	9.00-10.0	18.0-19.0	...	...	...	...	0.12-0.18	...	...	0.05-0.08	...	...
	S32654	0.020	2.00-4.00	0.030	0.005	0.50max	21.0-23.0	24.0-25.0	7.00-8.00	...	...	...	0.45-0.55	...	0.30-0.50	...	...	...

A、按照ASTM E527标准和SAEJ1086标准关于金属和合金编号（UNS）方法建立的新代号。

B、最大值，除非另有规定。

C、氮的分析方法应经需方与生产厂协商同意。

D、牌号TP316、TP315N、TP316LN和TP316H的焊接钢管，其含碳量应在10.0~14.0%范围内。

E、需要多道次拉拔的小直径或薄壁钢管或小直径薄壁钢管，其牌号TP304L和TP316L的含碳量必须不大于0.040%，小直径钢管是指外径小于0.500英寸（12.7毫米）钢管，而薄壁钢管是指平均壁厚小于0.069英寸（1.20毫米）[最小壁厚0.44英寸（1.10毫米）]的钢管。

F、钛含量应不小于含碳量的五倍，但不大于0.70%。

G、钛含量应不小于含碳量的四倍，但不大于0.60%。

H、铌加钽含量应不小于含碳量的十倍，但不大于1.00%。

I、铌加钽含量应不小于含碳量的八倍，但不大于1.0%。

J、焊接钢管，其含碳量应不大于0.045%。

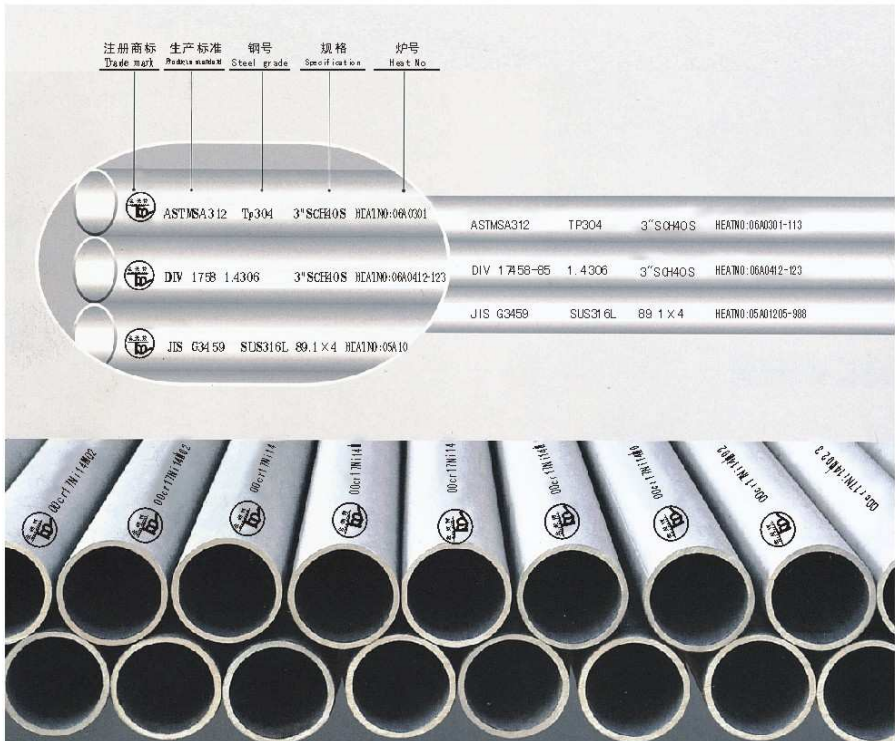


机械性能 Mechanics test

钢级符号 specification	符号 grade	热处理条件 Solution treatment	屈服强度Rp0.2 yield strength	屈服强度Rp0.1 yield strength	抗拉强度Rm tensile strength	最小延伸率 min coefficient (纵向portrait)	最小冲击值 min impulsion (纵向portrait)
X5CrNi1810	1.4301	固溶水	195	230	500~700	40	85
X2CrNi1911	1.4306		180	215	460~680	40	
X6CrNiTi1810	1.4541	淬热	200	235	500~730	35	
X5CrNiMo17122	1.4401	处理	205	240	510~710	40	
X2CrNiMo17132	1.4404		190	225	490~690	40	

钢号及其化学成分 grade and chemical composition

材料符号 material	C	Cr	Ni	P	S	Si	Mn	Mo	Ti
1.4301(304)	≤0.07	17.0~19.0	8.5~10.5	≤0.045	≤0.030	≤1.0	≤2.0		
1.4306(304L)	≤0.03	18.0~20.0	10.0~12.5	≤0.045	≤0.030	≤1.0	≤2.0		
1.4541(321)	≤0.08	17.0~19.0	9.0~12.0	≤0.045	≤0.030	≤1.0	≤2.0		5×C%-0.8
1.4401(316)	≤0.07	16.5~18.5	10.5~13.5	≤0.045	≤0.030	≤1.0	≤2.0	2.0~2.5	
1.4404(316L)	≤0.03	16.5~18.5	11.0~14.0	≤0.045	≤0.030	≤1.0	≤2.0	2.0~2.5	





碳钢管

Carbon steel pipe





产品标准一览表
Brief of products

产品名称 ITEMS	中国 CHINA STANDARD	钢号 GRADE	美国 AMERICA STANDARD	钢号 GRADE	德国 GERMAN STANDARD	钢号 GRADE	日本 JAPAN STANDARD	钢号 GRADE
输送流体用无缝钢管 SEAMLESS STEEL TUBE FOR LIQUID CONVEYANCE	GB/T 8163-1999	10# 20#	ASTM A53 ASTM A106	Gr. B	DIN 1626	ST45	JIS G3462	STD G410
低中压锅炉用无缝钢管 SEAMLESS STEEL TUBE FOR LOW& MEDIUM PRESSURE BOILER	GB3087-1999	10# 20#	ASTM A210	Gr. A-1	DIN 17175	ST45.80	JIS G3401	STB340 STB410
高压锅炉用无缝钢管 STAINLESS STEEL TUBE FOR HIGH PRESSURE BOILER	GB5310-1995	20G 12Cr1MoVG 15CrMoG	ASTM A192		DIN 17175	ST35.80		
热交换器管 SEAMLESS STEEL TUBE FOR HEAT EXCHANGER		10#	ASTM A179		DIN 1629	ST35.40	JIS G3461	STB340 STB410
液压和气动缸筒用精密无缝钢管 PRECISION SEAMLESS STEEL TUBE FOR HYDRAULIC & AIR- POWER CYLINDER	GB8713-88	10# 20# 35# 45#	ASTM A519	1010 1020 1045	DIN 2391	ST35 ST52	JIS G473	STC J70

标准 Standard:

GB/T 8163 China National Standard

ASTM A 53M Standard of American Society for Testing & Materials

ASTM A 106 Standard of American Society for Testing & materials

用途Uses:

用于石油、天然气输送以及其他流体输送

For conveyance of petroleum, gas and conveyance of other fluid

注：经协商，也可以供应其他牌号的钢管

Note: Other grade can also be provided after consulting with customers.



流体输送用管 Pipe for liquid transportation

◆尺寸公差 Tolerances on Dimensions

标准 Standard	外径公差 Outside Diameter Tolerance		壁厚公差 Wall Thickness Tolerance
GB/T 8163	D≤50mm	±0.50mm	+15%/-12.5%(最小min ^{+0.46mm} _{-0.40mm})
	D>50mm	±1%	
ASTM A 53M	D≤48.3	±0.4mm	±12.5%
	D>48.3	±1%	
ASTMA 106	D≤48.3	±0.40mm	+15%/-10%
	48.3<D≤114.3	±0.79mm	
	D>114.3	±1.59/-0.79mm	

◆机械性能 Mechanical Properties:

标准 Standard	牌号 Grade	抗拉强度 (MPa) Tensile Strength	屈服强度 (MPa) Yield Strength		延伸率 (%) Elongation
			≥16mm	>16mm	
GB/T8163	10	335-475	≥205	≥195	≥24
	20	410-550	≥245	≥235	≥20
	Q295	430-610	≥295	≥285	≥22
	Q345	490-665	≥325	≥315	≥21
ASTM A 53M	A	≥330	≥205		查ASTM A53的表3
	B	≥415	≥240		See Table 3 of ASTM A 53
ASTM A 106	A	≥330	≥205		查ASTM A 106的表4 See Table 4 of ASTM A 106
	B	≥415	≥240		
	C	≥485	≥275		

◆化学成分 Chemical Composition(%):

标准 Standard	牌号 Grade	C	Si	Mn	P≤	S≤	Ni≤	Cr≤	Cu≤	Mo≤	V≤
GB T8163	10	0.07-0.13	0.07-0.37	0.35-0.65	0.035	0.035	0.30	0.15	0.20	/	/
	20	0.17-0.23	0.17-0.37	0.35-0.65	0.035	0.035	0.30	0.25	0.20	/	/
	Q295A	≤0.16	≤0.55	0.80-1.50	0.045	0.045	0.30	0.30	0.30	/	/
	Q295B	≤0.16	≤0.55	0.80-1.50	0.040	0.040	0.30	0.30	0.30	/	/
	Q345A	≤0.20	≤0.55	1.00-1.60	0.045	0.045	0.30	0.30	0.30	/	/
	Q345B	≤0.20	≤0.55	1.00-1.60	0.040	0.040	0.30	0.30	0.30	/	/
	Q345C	≤0.20	≤0.55	1.00-1.60	0.035	0.035	0.30	0.30	0.30	/	0.02-0.15
	Q345D	≤0.18	≤0.55	1.00-1.60	0.030	0.030	0.30	0.30	0.30	/	0.02-0.15
ASTM A 53M	Q345E	≤0.18	≤0.5	1.00-1.60	0.025	0.025	0.30	0.30	0.30	/	0.02-0.15
	A	≤0.25	/	≤0.95	0.05	0.045	0.40	0.40	0.40	0.15	0.08
ASTM A 106	B	≤0.30	/	≤1.20	0.05	0.045	0.40	0.40	0.40	0.15	0.08
	A	≤0.25	≥0.10	0.27-0.93	0.035	0.035	0.40	0.40	0.40	0.15	0.08
	B	≤0.30	≥0.10	0.29-1.06	0.035	0.035	0.40	0.40	0.40	0.15	0.08
ASTMA 106	C	≤0.35	≥0.10	0.29-1.06	0.035	0.035	0.40	0.40	0.40	0.15	0.08

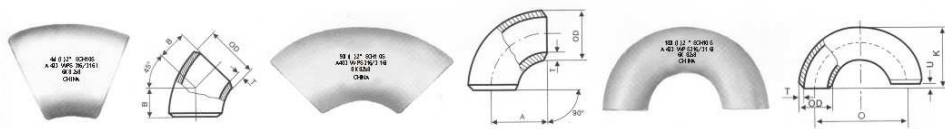


对焊管件
Butt welded fittings





45° 90° 180° 长半径弯头 Long radius elbows(45° 90° 180°)



公称通径 Nominal diameter		外径 Outside diameter	中心至 端面的距离 Center to end		中心至 中心的距离 Center to Center	90° L/R弯头理论重量kg/pc 90° L/R Elbow Approx weight					
DN	NPS	OD	B	A	Q	Sch5S	Sch10S	Sch20S/LG	Sch40S/STD	Sch60S/XS	Sch80
15	1/2	18 21.3	16	38	76	0.04 0.05	0.05 0.06	0.06 0.07	0.06 0.08	0.08 0.10	0.08 0.10
20	3/4	25 26.7	19	38	76	0.06 0.06	0.07 0.08	0.09 0.09	0.09 0.10	0.12 0.13	0.12 0.13
25	1	32 33.4	22	38	76	0.07 0.08	0.12 0.13	0.14 0.14	0.14 0.15	0.19 0.19	0.19 0.19
32	1 1/4	38 42.2	25	48	96	0.11 0.13	0.18 0.20	0.21 0.23	0.23 0.26	0.30 0.34	0.30 0.34
40	1 1/2	45 48.3	29	57	114	0.16 0.17	0.26 0.28	0.30 0.32	0.34 0.37	0.45 0.49	0.45 0.49
50	2	57 60.3	35	76	152	0.27 0.29	0.45 0.47	0.57 0.61	0.62 0.65	0.85 0.90	0.85 0.90
65	2 1/2	76 73	44	95	190	0.58 0.55	0.82 0.79	0.97 0.93	1.35 1.30	1.79 1.71	1.79 1.71
80	3	89	51	114	228	0.82	1.17	1.51	2.04	2.76	2.76
90	3 1/2	101.6	57	133	266	1.09	1.56	2.03	2.85	3.92	3.92
100	4	108 114	64	152	304	1.32 1.40	1.90 2.01	2.47 2.61	3.64 3.85	5.05 5.35	5.05 5.35
125	5	133 141.3 139.7	79	190	380	2.67 2.84 2.81	3.27 3.47 3.43	4.74 5.05 4.99	6.14 6.54 6.46	8.72 9.31 9.19	8.72 9.31 9.19
150	6	168.3 159 165	95	229	458	4.10 3.86 4.01	5.01 4.72 4.91	7.29 6.88 7.14	10.24 9.64 10.03	15.41 14.50 15.09	15.41 14.50 15.09
200	8	219 216	127	305	610	7.12 7.03	9.63 9.46	15.94 15.71	20.51 20.22	31.17 30.71	31.17 30.71
250	10	273 267.4	159	381	762	13.62 13.34	16.74 16.39	24.97 24.44	36.33 35.55	49.12 48.06	57.83 56.57
300	12	325 323.9 318	190	457	914	22.66 22.58 22.16	26.10 26.01 25.53	35.79 35.66 35.00	53.58 53.40 52.39	70.69 70.44 69.11	95.81 95.46 93.63
350	14	377 355.6	222	533	1066	30.71 28.95	36.98 34.86	61.36 57.80	72.80 68.55	96.17 90.52	141.75 133.27
400	16	426 406.4	254	610	1220	42.05 40.09	47.90 45.67	79.55 75.82	94.42 89.98	124.87 118.95	206.35 196.35

上述尺寸符合GB/T 12459、GB/T 13401、SH3408 SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

Above dimensions acc.to GB/T 12459、GB/T 13401、SH3408 SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9

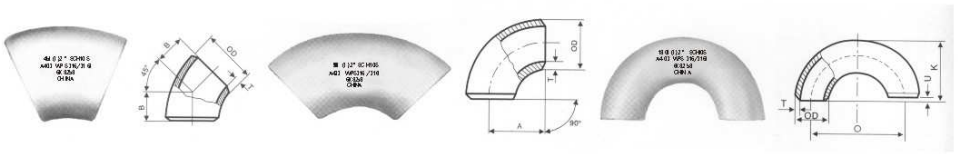
理论重量按ASME B36.10M、B 36.19M标准壁厚测算，(sch20S/LG、按GB/T12459、GB/T13401标准壁厚测算。)

Weights are approximate and based on manufacture's data, according to ASME B36.10M、B36.19M,

(sch20S/LG, Weights are approximate and based on manufacture's data, according to GB/T12459、GB/T13401.)



45° 90° 180° 长半径弯头
Long radius elbows(45° 90° 180°)



公称口径 Nominal diameter		外径 Outside diameter	中心至 端面的距离 Center to end		中心至 中心的距离 Center to Center	90° L/R弯头理论重量kg/pc 90° L/R Elbow Approx weight					
DN	NPS	OD	B	A	O	Sch 10S	Sch 10S	Sch 40S/LG	Sch 40S/STD	Sch 60S/XS	Sch 80
450	18	478 457.2	296	686	1372	53.11 50.78	60.52 57.86	100.60 96.14	199.44 114.14	158.10 151.03	289.56 276.29
500	20	529 508	318	762	1524	74.47 71.48	86.18 82.72	123.86 118.87	147.12 141.17	194.86 186.94	391.34 375.00
550	22	559	343	838	1676	86.58	100.21	144.06	171.14	226.75	495.44
600	24	630 610	381	914	1828	123.32 119.37	141.16 136.64	177.37 171.67	210.78 203.98	279.45 270.40	661.10 —
650	26	660	406	991	1982	—	—	201.59	239.58	317.72	—
700	28	720 711	438	1067	2134	—	—	237.03 234.03	281.75 278.18	373.80 369.04	—
750	30	762	470	1143	2286	213.90	266.23	268.89	319.66	424.20	—
800	32	820 813	502	1219	2438	—	—	308.83 306.16	367.20 364.02	487.42 483.20	—
850	34	864	533	1295	2590	—	—	345.86	411.27	546.04	—
900	36	920 914	565	1372	2744	—	—	390.39 387.83	464.28 461.22	616.56 612.48	—
950	38	965	600	1448	2896	—	—	432.35	514.21	682.98	—
1000	40	1016 1020	632	1524	3048	—	—	479.29 481.19	570.09 572.36	757.33 760.35	—
1050	42	1067	660	1600	3200	—	—	528.65	628.85	835.51	—
1100	44	1118 1120	695	1676	3352	—	—	580.43 581.48	690.49 691.73	917.53 919.19	—
1150	46	1168	727	1753	3506	—	—	634.45	754.79	1003.10	—
1200	48	1220	759	1829	3658	—	—	691.63	822.86	1093.70	—

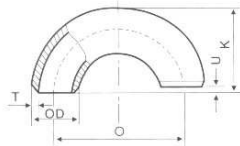
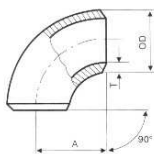
上述尺寸符合GB/T 12459、GB/T 13401、SH3408 SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

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理论重量按ASME B36.10M、B36.19标准壁厚测算, (sch20S/LG, 按GB/T12459、GB/T13401标准壁厚测算。)

Weights are approximate and based on manufacture's data according to ASME B36.10M, B36.19M,
(sch20S/LG, Weights are approximate and based on manufacture's data according to GB/T12459, GB/T13401.)



90° 180° 短半径弯头 Short radius elbows (90° 180°)

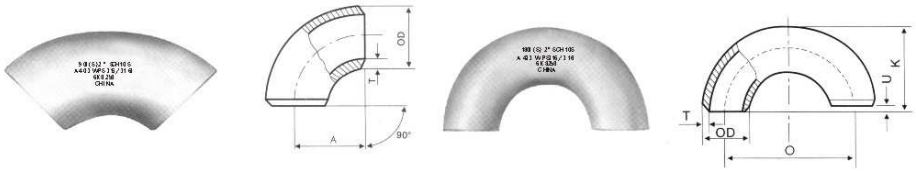


公称口径 Nominal diameter		外径 Outside diameter	中心至 端面的距离 Center to end	中心至 中心的距离 Center to Center	90° S/R弯头理论重量kg/pc 90° S/R Elbow Approx. weight					
DN	NPS	OD	A	O	Sch5S	Sch5S	Sch20S/LG	Sch40S/STD	Sch60S/XS	Sch80
25	1	32 33.4	25	50	0.05 0.05	0.08 0.08	0.09 0.09	0.09 0.10	0.12 0.13	0.12 0.13
32	1 1/4	38 42.2	32	64	0.07 0.08	0.12 0.14	0.14 0.16	0.15 0.17	0.20 0.23	0.2 0.23
40	1 1/2	45 48.3	38	76	0.11 0.11	0.17 0.19	0.20 0.21	0.23 0.24	0.30 0.33	0.30 0.33
50	2	57 60.3	51	102	0.18 0.19	0.30 0.32	0.38 0.41	0.41 0.44	0.57 0.60	0.57 0.60
65	2 1/2	76 73	64	128	0.39 0.37	0.56 0.53	0.65 0.62	0.91 0.87	1.21 1.15	1.21 1.15
80	3	89	76	152	0.54	0.78	1.01	1.36	1.84	1.84
90	3 1/2	101.6	89	178	0.73	1.04	1.36	1.91	2.62	2.62
100	4	108 114	102	204	0.89 0.94	1.27 1.35	1.65 1.75	2.44 2.59	3.39 3.59	3.39 3.59
125	5	133 141.3 139.7	127	254	1.79 1.90 1.88	2.18 2.32 2.30	3.17 3.38 3.34	4.10 4.37 4.32	5.83 6.22 6.14	5.83 6.22 6.14
150	6	168.3 159 165	152	304	2.72 2.57 2.66	3.32 3.14 3.26	4.84 4.56 4.74	6.79 6.40 6.65	10.23 9.63 10.02	10.23 9.63 10.02
200	8	219 216	203	406	4.74 4.68	6.41 6.32	10.61 10.46	13.65 13.46	20.74 20.44	20.74 20.44
250	10	273 267.4	254	508	9.08 8.89	11.16 10.92	16.64 16.29	24.22 23.70	32.75 32.04	38.55 37.72
300	12	325 323.9 318	305	610	15.12 15.07 14.79	17.42 17.35 17.04	23.88 23.80 23.36	35.76 35.64 34.97	47.18 47.01 46.12	63.94 63.71 62.49
350	14	377 355.6	356	712	20.51 19.33	24.70 23.28	40.99 38.61	48.62 45.79	64.24 60.46	94.67 89.01
400	16	426 406.4	406	812	27.98 26.68	31.88 30.40	52.95 50.47	62.84 59.89	83.11 79.17	137.34 130.69
450	18	478 457.2	457	914	35.38 33.83	40.32 38.54	67.01 64.05	79.57 76.04	105.32 100.61	192.90 184.06

上述尺寸符合GB/T 12459、GB/T 13401、SH3408 SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。
Above dimensions acc.to GB/T 12459, GB/T 13401, SH3408 SH3409, HG/T 21635, HG/T21631, SY/T 05010, ASME B16.9
理论重量按ASME B36.10M、B 36.19M标准壁厚测算。(sch20S/LG, 按GB/T12459、GB/T13401标准壁厚测算。)
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(sch20S/LG, Weights are approximate and based on manufacture's data according to GB/T12459, GB/T13401.)



90° 180° 短半径弯头 Short radius elbows(90° 180°)



公称口径 Nominal diameter		外径 Outside diameter	中心至 端面的距离 Center to end	中心至 中心的距离 Center to Center	90° S/R弯头理论重量kg/pc 90° S/R Elbow Approx weight					
DN	NPS	OD	A	O	Sch5S	Sch10S	Sch20S/LG	Sch40S/STD	Sch60S/XS	Sch80
500	20	529 508	508	1016	49.64 47.66	57.45 55.15	82.58 79.25	98.08 94.12	129.91 124.62	260.90 250.00
550	22	559	559	1118	57.75	66.85	96.10	114.16	151.26	330.49
600	24	630 610	610	1220	82.30 79.67	94.21 91.19	118.38 114.57	140.67 136.14	186.51 180.46	441.22 —
650	26	660	660	1320	—	—	134.26	159.56	211.60	—
700	28	720 711	711	1422	— —	— —	157.94 155.95	187.75 175.37	249.08 245.91	— —
750	30	762	762	1524	142.60	177.49	179.26	213.11	282.80	—
800	32	820 813	813	1626	— —	— —	205.97 204.19	244.90 242.78	325.08 322.26	— —
850	34	864	864	1728	—	—	230.75	274.39	364.30	—
900	36	920 914	914	1828	— —	— —	260.07 258.36	309.29 307.25	410.74 408.02	— —
950	38	965	965	1930	—	—	288.13	342.69	455.17	—
1000	40	1016 1020	1016	2032	— —	— —	319.53 320.80	380.06 381.57	504.89 506.90	— —
1050	42	1067	1067	2134	—	—	352.55	419.36	557.18	—
1100	44	1118 1120	1118	2236	— —	— —	387.19 387.88	460.60 461.43	612.05 613.16	— —
1150	46	1168	1168	2336	—	—	422.72	502.90	668.35	—
1200	48	1220	1220	2440	—	—	461.34	548.87	729.53	—

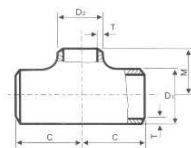
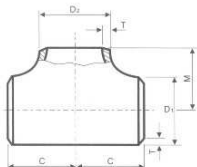
上述尺寸符合GB/T 12459、GB/T 13401、SH3408 SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。
Above dimensions acc.to GB/T 12459、GB/T 13401、SH3408 SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ASME B36.10M、B 36.19M标准壁厚测算，(sch20S/LG,按GB/T12459、GB/T13401标准壁厚测算。)

Weights are approximate and based on manufacture's data according to ASME B36.10M、B36.19M,

(sch20S/LG,Weights are approximate and based on manufacture's data according to GB/T12459、GB/T13401.)

三通 (等径、异径) Tees (Straight and reducing)



公称通径 Nominal diameter		外径 Outside diameter	中心至端面的距离 Center to end		理论重量kg/pa Approx weight					
DN	NPS	D ₁ ×D ₂	C	M	SeE5	SeH05	SeA05/STD	SeH40	SeB05/XS	SeB0
20×20	3/4×3/4	25×25 26.7×26.7	29	29	0.07 0.08	0.10 0.11	0.13 0.15	0.13 0.15	0.16 0.18	0.16 0.18
20×15	3/4×1/2	25×18 26.7×21.3	29	29	0.06 0.07	0.09 0.10	0.12 0.13	0.12 0.13	0.15 0.16	0.15 0.16
25×25	1×1	32×32 33.4×33.4	38	38	0.11 0.12	0.19 0.20	0.23 0.25	0.23 0.25	0.30 0.32	0.30 0.32
25×20	1×3/4	32×25 33.4×26.7	38	38	0.10 0.11	0.18 0.19	0.22 0.24	0.22 0.24	0.28 0.31	0.28 0.31
25×15	1×1/2	32×18 33.4×21.3	48	38	0.09 0.10	0.17 0.18	0.21 0.23	0.21 0.23	0.27 0.30	0.27 0.30
32×32	1.1/4×1.1/4	38×38 42.2×42.2	48	48	0.19 0.20	0.36 0.39	0.42 0.52	0.42 0.52	0.63 0.73	0.63 0.73
32×25	1.1/4×1	38×32 42.2×33.4	48	48	0.18 0.19	0.33 0.35	0.40 0.42	0.40 0.42	0.58 0.68	0.58 0.68
32×20	1.1/4×3/4	38×25 42.2×26.7	48	48	0.17 0.18	0.31 0.32	0.38 0.40	0.38 0.40	0.55 0.65	0.55 0.65
32×15	1.1/4×1/2	38×18 42.2×21.3	48	48	0.16 0.17	0.30 0.31	0.36 0.38	0.36 0.38	0.52 0.62	0.52 0.62
40×40	1.1/2×1.1/2	45×45 48.3×48.3	57	57	0.35 0.45	0.59 0.69	0.78 0.88	0.78 0.88	1.08 1.18	1.08 1.18
40×32	1.1/2×1.1/4	45×38 48.3×42.2	57	57	0.32 0.42	0.54 0.65	0.72 0.82	0.72 0.82	0.99 1.09	0.99 1.09
40×25	1.1/2×1	45×32 48.3×33.4	57	57	0.27 0.37	0.45 0.65	0.60 0.80	0.60 0.80	0.83 1.08	0.83 1.08
40×20	1.1/2×3/4	45×25 48.3×26.7	57	57	0.26 0.36	0.44 0.64	0.58 0.68	0.58 0.68	0.80 1.00	0.80 1.00
40×15	1.1/2×1/2	45×18 48.3×21.3	57	57	0.25 0.35	0.42 0.62	0.56 0.66	0.56 0.66	0.78 0.78	0.78 0.78
50×50	2×2	57×57 60.3×60.3	64	64	0.49 0.50	1.03 1.05	1.15 1.18	1.15 1.18	1.65 1.67	1.65 1.67
50×40	2×1.1/2	57×45 60.3×48.3	64	60	0.44 0.45	0.93 0.95	1.04 1.06	1.04 1.06	1.48 1.50	1.48 1.50
50×32	2×1.1/4	57×38 60.3×42.2	64	57	0.40 0.43	0.81 0.89	0.98 1.00	0.98 1.00	1.37 1.42	1.37 1.42
50×25	2×1	57×32 60.3×33.4	64	51	0.39 0.40	0.72 0.84	0.92 0.94	0.92 0.94	1.31 1.34	1.31 1.34
50×20	2×3/4	57×25 60.3×26.7	64	44	0.37 0.38	0.70 0.80	0.87 0.90	0.87 0.90	1.24 1.27	1.24 1.27

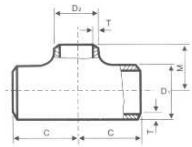
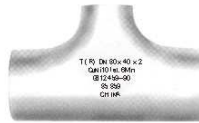
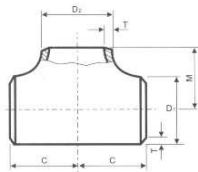
上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacturer's data according to ANSI B16.9.



三通 (等径、异径) Tees (Straight and reducing)



公称通径 Nominal diameter		外径 Outside diameter	中心至端面的距离 Center to end		理论重量kg/pc Approx weight					
DN	NPS	D1×D2	C	M	SetS	Set10S	SetH/STD	Set40	SetBOS/XS	Set160
65×65	2 1/2×2 1/2	76×76 73.0×73.0	76	76	0.87 0.86	1.21 1.25	2.10 2.12	2.10 2.12	2.80 2.88	2.80 2.88
65×50	2 1/2×2	76×57 73.0×60.3	76	70	0.82 0.81	1.17 1.16	2.00 1.98	2.00 1.98	2.70 2.65	2.70 2.65
65×40	2 1/2×1 1/2	76×45 73.0×48.3	76	67	0.77 0.76	1.11 1.10	1.89 1.88	1.89 1.88	2.56 2.55	2.56 2.55
65×32	2 1/2×1 1/4	76×38 73.0×42.2	76	64	0.75 0.74	1.10 1.08	1.80 1.89	1.80 1.89	2.50 2.25	2.50 2.25
65×25	2 1/2×1	76×32 73.0×33.4	76	57	0.76 0.70	1.10 1.07	1.86 1.81	1.86 1.81	2.53 2.08	2.53 2.08
80×80	3×3	89×89	86	86	1.16	1.68	3.02	3.02	4.19	4.19
80×65	3×2 1/2	89×76 88.9×73.0	86	83	1.11 1.10	1.62 1.60	2.89 2.87	2.89 2.87	4.02 3.98	4.02 3.98
80×50	3×2	89×57 88.9×60.3	86	76	1.06 1.07	1.53 1.55	2.76 2.79	2.76 2.79	3.81 3.85	3.81 3.85
80×40	3×1 1/2	89×45 88.9×48.3	86	73	1.01 1.03	1.49 1.50	2.67 2.69	2.67 2.69	3.70 3.73	3.70 3.73
80×32	3×1 1/4	89×38 88.9×42.2	86	70	1.00 1.00	1.48 1.45	2.65 2.60	2.65 2.60	3.68 3.60	3.68 3.60
90×90	3 1/2×3 1/2	101.6×101.6	95	95	1.33	1.92	3.61	3.61	5.08	5.08
90×80	3 1/2×3	101.6×88.9	95	92	1.26	1.82	3.43	3.43	4.83	4.83
90×65	3 1/2×3 1/2	101.6×73.0	95	89	1.22	1.76	3.32	3.32	4.67	4.67
90×50	3 1/2×3	101.6×60.3	95	83	1.20	1.73	3.25	3.25	4.57	4.57
90×40	3 1/2×1 1/2	101.6×48.3	95	79	1.17	1.70	3.21	3.21	4.51	4.51
100×100	4×4	108×108 114.3×114.3	105	105	1.66 1.75	2.41 2.54	4.75 5.01	4.75 5.01	6.75 7.12	6.75 7.12
100×90	4×3 1/2	114.3×101.6	105	102	1.70	2.46	4.85	4.85	6.89	6.89
100×80	4×3	108×89 114.3×88.9	105	98	1.55 1.61	2.24 2.33	4.42 4.60	4.42 4.60	6.27 6.52	6.27 6.52
100×65	4×2 1/2	108×76 114.3×73.0	105	95	1.53 1.60	2.21 2.31	4.36 4.56	4.36 4.56	6.50 6.50	6.50 6.50

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

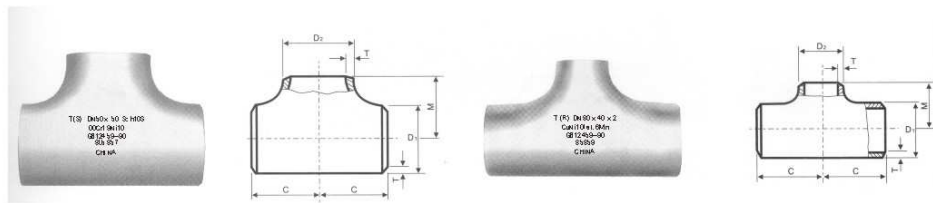
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacture's data according to ANSI B16.9.



三通 (等径、异径) Tees (Straight and reducing)



公称通径 Nominal diameter		外径 Outside diameter	中心至端面的距离 Center to end		理论重量kg/pc Approx. weight					
DN	NPS	D ₁ × D ₂	C	M	Sch 40	Sch 60	Sch 40S/STD	Sch 40	Sch 60S/XS	Sch 60
100X50	4X2	108X57 114.3X60.3	105	89	1.51 1.57	2.19 2.29	4.32 4.41	4.32 4.41	6.13 6.12	6.13 6.12
100X40	4X1.1/2	108X45 114.3X48.3	105	86	1.50 1.55	2.09 2.24	4.22 4.00	4.22 4.00	6.03 6.02	6.03 6.02
125X125	5X5	133X133 141.3X141.3	124	124	3.18 3.37	3.91 4.14	7.53 7.98	7.53 7.98	10.9 11.6	10.9 11.6
125X100	5X4	133X108 141.3X114.3	124	117	3.03 3.15	3.73 3.90	7.20 7.52	7.20 7.52	10.4 10.8	10.4 10.8
125X90	5X3.1/2	141.3X101.6	124	114	3.09	3.83	7.39	7.39	10.6	10.6
125X80	5X3	133X89 141.3X88.9	124	111	2.90 3.02	3.59 3.74	6.92 7.21	6.92 7.21	10.0 10.4	10.0 10.4
125X65	5X2.1/2	133X76 141.3X73.0	124	108	2.85 3.00	3.59 3.73	6.92 7.20	6.92 7.20	10.0 10.4	10.0 10.4
125X50	5X2	133X57 141.3X60.3	124	105	2.80 3.92	3.58 3.73	6.92 7.20	6.92 7.20	10.0 10.4	10.0 10.4
150X150	6X6	159X159 168.3X168.3	143	143	4.09 4.32	5.03 5.31	10.5 11.1	10.5 11.1	16.2 17.1	16.2 17.1
150X125	6X5	159X133 168.3X141.3	143	137	3.84 4.13	4.73 5.08	9.88 10.6	9.88 10.6	15.2 16.3	15.2 16.3
150X100	6X4	159X108 168.3X114.3	143	130	3.76 3.95	4.64 4.87	9.70 10.2	9.70 10.2	14.9 15.6	14.9 15.6
150X90	6X3.1/2	168.3X101.6	143	127	3.91	4.82	10.1	10.1	15.5	15.5
150X80	6X3	159X89 168.3X88.9	143	124	3.72 3.93	4.56 4.82	9.56 10.0	9.56 10.0	14.7 15.3	14.7 15.3
150X65	6X2.1/2	159X76 168.3X73.0	143	121	3.70 3.81	4.51 4.72	9.51 10.0	9.51 10.0	14.6 15.2	14.6 15.2
200X200	8X8	219X219	178	178	7.72	10.4	22.8	22.8	35.4	35.4
200X150	8X6	219X159 219.1X168.3	178	168	6.74 7.17	9.20 9.74	19.9 21.1	19.9 21.1	30.9 32.8	30.9 32.8
200X125	8X5	219X133 219.1X141.3	178	162	6.61 7.03	8.98 9.55	19.5 20.7	19.5 20.7	30.2 32.2	30.2 32.2
200X100	8X4	219X108 219.1X114.3	178	156	6.43 6.84	8.73 9.39	19.0 19.9	20.5 20.2	29.4 31.3	29.4 31.3
200X90	8X3.1/2	219.1X101.6	178	152	6.84	9.18	19.8	20.1	31.1	31.1

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

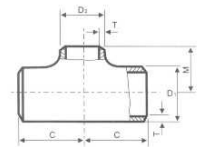
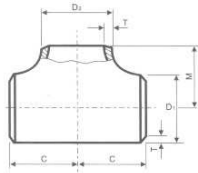
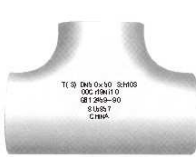
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚计算

Weights are approximate and based on manufacturer's data, according to ANSI B16.9.



三通 (等径、异径) Tees (Straight and reducing)



公称通径 Nominal diameter		外径 Outside diameter	中心至端面的距离 Center to end		理论重量kg/pc Approx weight					
DN	NPS	D1×D2	C	M	Sch5S	Sch10S	Sch40S/STD	Sch40	Sch80S/XS	Sch80
250×250	10×10	273×273	216	216	14.6	18.04	40.04	40.04	52.8	65.12
250×200	10×8	273×219	216	203	13.3	16.4	36.4	36.4	49.8	59.2
250×150	10×6	273×159	216	194	11.4	15.0	31.4	31.4	42.7	50.7
		273.1×168.3			12.1	15.0	33.4	33.4	45.4	54.0
250×125	10×5	273×133	216	191	11.2	14.6	30.7	30.7	41.8	49.7
		273.1×141.3			11.9	14.6	32.7	32.7	44.5	52.9
250×100	10×4	273×108	216	184	11.0	14.4	30.3	30.3	41.2	49.0
		273.1×114.3			11.7	14.4	32.2	32.2	42.9	52.1
300×300	12×12	325×325	254	254	21.5	24.8	51.8	56.1	69.0	95.0
		323.9×323.9			21.5	24.8	51.8	56.0	69.0	95.0
300×250	12×10	325×273	254	241	20.4	23.6	49.2	53.3	65.6	90.3
		323.9×273.1			20.3	23.4	49.1	53.1	65.2	90.2
300×200	12×8	325×219	254	229	20.2	23.3	48.4	52.4	64.4	88.6
		323.9×219.1			20.0	23.1	48.2	52.2	64.2	88.4
300×150	12×6	325×159	254	219	18.4	22.5	44.3	47.9	59.0	81.2
		323.9×168.3			19.5	22.7	47.1	51.0	62.7	86.4
300×125	12×5	325×133	254	216	18.0	20.8	43.6	47.1	57.8	79.6
		323.9×141.3			19.1	22.1	46.3	50.2	61.5	84.6
350×350	14×14	377×377	279	279	27.4	33.1	66.1	77.2	88.0	132
		355.6×355.6			25.7	31.1	62.0	72.5	82.7	124
350×300	14×12	377×325	279	270	25.8	31.1	62.1	72.5	82.7	124
		355.6×323.9			24.2	29.2	58.3	68.2	77.7	116
350×250	14×10	377×273	279	257	25.1	30.3	60.5	70.8	80.7	121
		355.6×273.1			23.7	28.6	57.0	66.7	76.0	114
350×200	14×8	377×219	279	248	24.6	29.7	59.2	69.2	78.0	118
		355.6×219.1			23.1	27.9	55.7	65.2	74.2	111
350×150	14×6	377×159	279	238	24.0	29.0	57.9	67.8	77.1	115
		355.6×168.3			22.3	27.1	54.2	64.8	77.8	110
400×400	16×16	426×426	305	305	33.1	38.0	75.9	101	101	170
		406.4×406.4			31.4	36.1	72.3	96.4	96.1	162
400×350	16×14	426×377	305	305	32.0	36.8	73.6	98.1	97.8	179
		406.4×355.6			30.4	34.9	70.1	93.4	92.9	170
400×300	16×12	426×325	305	295	31.0	35.6	71.4	95.2	94.7	173
		406.4×323.9			28.2	34.4	69.1	90.8	89.2	168
400×250	16×10	426×273	305	283	30.2	34.7	69.9	93.1	92.5	169
		406.4×273.1			28.7	33.0	66.6	88.7	87.8	161

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

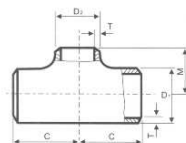
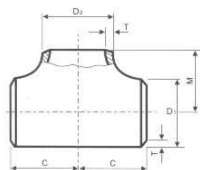
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacture's data according to ANSI B16.9.



三通 (等径、异径) Tees (Straight and reducing)



公称通径 Nominal diameter		外径 Outside diameter	中心至端面的距离 Center to end		理论重量/kg/p Approx weight					
DN	NPS	D ₁ ×D ₂	C	M	Sch5S	Sch10S	Sch40S/STD	Sch40	Sch80S/XS	Sch80
400×200	16×8	426×219	305	273	29.5	33.9	68.4	91.1	90.2	165
		406.4×219.1			28.1	32.3	65.1	86.8	86.0	157
400×150	16×6	426×159	305	264	29.2	33.5	67.6	217	89.2	90.1
		406.4×168.3			27.7	31.8	64.4	206	84.8	85.8
450×450	18×18	478×478 457×457	343	343	41.9 39.8	47.8 45.5	95.3 90.7	349 332	127 120	142 136
450×400	18×16	478×426 457×406.4	343	330	41.0 39.0	46.8 44.5	93.3 88.9	342 325	144 118	140 133
450×350	18×14	478×377 406.4×355.6	343	330	40.4 38.3	46.1 43.8	91.9 87.3	336 320	142 135	137 130
450×300	18×12	478×325 457×323.9	343	321	39.8 37.3	45.4 42.6	90.6 85.0	331 216	140 131	135 127
450×250	18×10	478×273 457×273.1	343	308	39.3 37.3	44.9 42.6	89.6 85.0	228 216	138 131	134 127
450×200	18×8	478×219 457×219.1	343	298	38.8 36.9	44.3 42.1	89.1 84.7	225 213	137 130	132 126
500×500	20×20	529×529 508×508	381	381	58.9 56.3	68.2 65.3	117 112	469 449	155 149	186 178
500×450	20×18	529×478 508×457	381	368	57.9 55.4	67.1 64.2	115 110	462 441	154 147	183 175
500×400	20×16	529×426 508×406.4	381	356	57.0 54.7	66.0 63.4	113 109	454 436	151 145	180 173
500×350	20×14	529×377 508×355.6	381	356	56.0 53.7	64.9 62.3	111 107	446 428	148 142	177 170
500×300	20×12	529×325 508×323.9	381	346	55.0 52.8	63.8 61.2	109 105	438 421	146 140	174 167
500×250	20×10	529×273 508×273.1	381	333	54.4 52.2	63.0 60.5	108 104	433 416	144 138	172 165
500×200	20×8	529×219 508×219.1	381	324	53.7 51.5	62.3 59.7	107 102	428 410	142 137	170 163
550×550	22×22	559×559	419	419	73.5	85.2	146	635	195	—
550×500	22×20	559×508	419	406	70.7	81.9	141	610	187	—
550×450	22×18	559×457	419	394	67.7	78.5	135	584	180	—
550×400	22×16	559×406.4	419	381	66.2	76.7	132	571	179	—

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

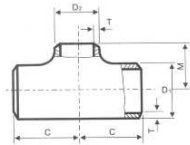
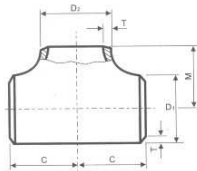
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚计算

Weights are approximate and based on manufacturer's data, according to ANSI B16.9.



三通 (等径、异径) Tees (Straight and reducing)



公称通径 Nominal diameter		外径 Outside diameter	中心至端面的距离 Center to end		理论重量 kg/p.c Approx. weight					
DN	NPS	D1×D2	C	M	Sch40S	Sch40S	Sch40S/STD	Sch40	Sch40S/XS	Sch40
550×350	22×14	559×355.6	419	381	65.5	75.9	130	565	174	—
550×300	22×12	559×323.9	419	371	64.0	74.2	127	552	170	—
550×250	22×10	559×273.1	419	359	62.5	72.5	124	540	166	—
600×600	24×24	630×630 610×610	432	432	96.0 93.9	110 107	165 161	797 779	220 215	303 296
600×650	24×22	610×559	432	432	90.1	103	155	748	206	—
600×500	24×20	630×529 610×508	432	432	92.2 86.4	105 98.4	158 148	765 701	211 198	291 272
600×450	24×18	630×478 610×457	432	419	88.4 84.5	101 96.9	152 145	734 694	202 193	278 266
600×400	24×16	630×426 610×406.4	432	406	86.4 83.2	99.1 95.7	148 143	718 690	198 191	272 263
600×350	24×14	630×377 610×355.6	432	406	85.5 81.7	98.0 93.5	147 140	710 678	195 187	269 257
600×300	24×12	630×325 610×323.9	432	397	83.5 79.8	95.8 91.5	143 137	678 662	191 182	263 251
600×250	24×10	630×273 610×273.1	495	384	81.6 77.9	93.6 89.3	140 134	662 647	187 178	257 245
650×650	26×26	660×660	495	495	—	—	206	—	274	—
650×600	26×24	660×610	495	483	—	—	197	—	263	—
650×550	26×22	660×559	495	470	—	—	189	—	252	—
650×500	26×20	660×508.0	495	457	—	—	185	—	246	—
650×450	26×18	660×457.2	495	444	—	—	183	—	244	—
650×400	26×16	660×406.4	495	432	—	—	179	—	238	—
650×350	26×14	660×355.6	495	432	—	—	175	—	233	—
650×300	26×12	660×323.9	495	422	—	—	171	—	227	—

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

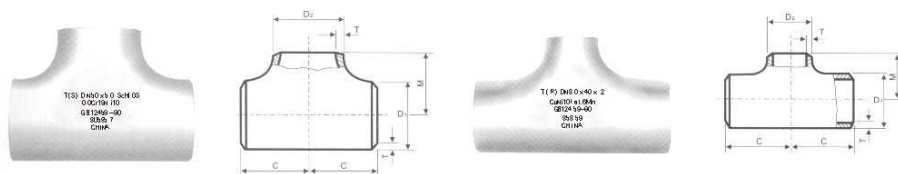
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacture's data according to ANSI B16.9.



三通 (等径、异径) Tees (Straight and reducing)



公称通径 Nominal diameter		外径 Outside diameter	中心至端面的距离 Center to end		理论重量kg/pc Approx weight					
DN	NPS	D1×D2	C	M	Sch 65	Sch 105	Sch 40S/STD	Sch 40	Sch 80S/XS	Sch 80
700×700	28×28	720×720 711×711	521	521	—	—	232 229	—	300 305	—
700×650	28×26	711×660	521	521	—	—	222	—	293	—
700×600	28×24	720×630 711×610	510	508	—	—	222 211	—	296 275	—
700×550	28×22	711×559	521	495	—	—	204	—	272	—
700×500	28×20	720×529 711×508	521	483	—	—	222 199	—	296 265	—
700×450	28×18	720×478 711×457	521	470	—	—	208 195	—	275 263	—
700×400	28×16	720×426 711×406.4	521	457	—	—	206 190	—	268 259	—
700×350	28×14	720×377 711×355.6	521	457	—	—	201 183	—	260 253	—
700×300	28×12	720×325 711×323.9	521	448	—	—	197 179	—	256 244	—
750×750	30×30	762×762	559	559	176	200	264	—	352	—
750×700	30×28	762×711	559	546	—	—	254	—	338	—
750×650	30×26	762×660	559	546	—	—	243	—	323	—
750×600	30×24	762×610	559	533	158	197	238	—	317	—
750×550	30×22	762×559	559	521	157	195	235	—	314	—
750×500	30×20	762×508	559	508	153	174	230	—	306	—
750×450	30×18	762×457	559	495	149	170	224	—	299	—
750×400	30×16	762×406.4	559	483	146	166	219	—	292	—
750×350	30×14	762×355.6	559	483	141	166	211	—	285	—
750×300	30×12	762×323.9	559	473	137	156	206	—	275	—

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

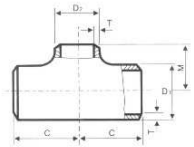
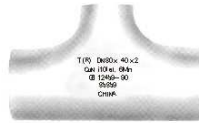
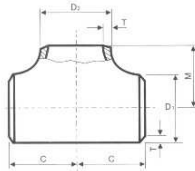
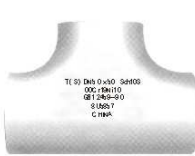
Above dimensions acc. to GB/T 12459, GB/T 13401, SH3408, SH3409, HG/T 21635, HG/T21631, SY/T 05010, ASME B16.9.

理论重量按ANSI B16.9标准壁厚计算

Weights are approximate and based on manufacturer's data, according to ANSI B16.9.



三通 (等径、异径) Tees (Straight and reducing)



公称通径 Nominal diameter		外径 Outside diameter	中心至端面的距离 Center to end		理论重量kg/pc Approx weight					
DN	NPS	D1×D2	C	M	Seh55	Seh105	Seh405/STD	Seh40	Seh405/XS	Seh60
750×250	30×10	762×273	559	460	132	150	198	—	264	—
800×800	32×32	820×820 813×813	597	597	—	—	303 302	—	405 402	—
800×750	32×30	813×762	597	584	—	—	290	—	386	—
800×700	32×28	820×720 713×711	597	572	—	—	291 277	—	388 370	—
800×650	32×26	813×660	597	572	—	—	271	—	362	—
800×600	32×24	820×630 813×610	597	559	—	—	279 268	—	356 358	—
800×550	32×22	813×559	597	546	—	—	262	—	350	—
800×500	32×20	820×529 813×508	597	533	—	—	273 256	—	364 342	—
800×450	32×18	820×478 813×457	597	521	—	—	270 250	—	360 334	—
800×400	32×16	820×426 813×406.4	597	508	—	—	264 241	—	352 322	—
800×350	32×14	820×377 813×355.6	597	508	—	—	258 235	—	344 314	—
850×850	34×34	864×864	635	635	—	—	341	626	415	—
850×800	34×32	864×813	635	622	—	—	328	610	437	—
850×750	34×30	864×762	635	610	—	—	314	—	419	—
850×700	34×28	864×711	635	597	—	—	307	—	409	—
850×650	34×26	864×660	635	597	—	—	304	—	405	—
850×600	34×24	864×610	635	584	—	—	297	545	396	—
850×550	34×22	864×559	635	572	—	—	290	532	387	—
850×500	34×20	864×508	635	559	—	—	283	520	378	—

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

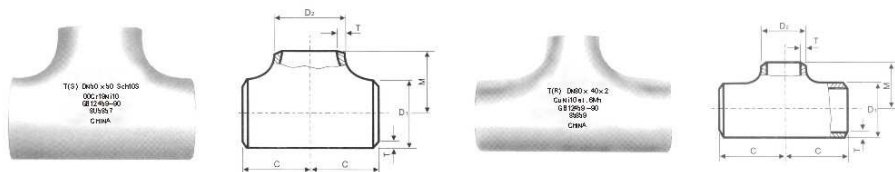
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacture's data according to ANSI B16.9.



三通 (等径、异径) Tees (Straight and reducing)



公称通径 Nominal diameter		外径 Outside diameter	中心至端面的距离 Center to end		理论重量 kg/pc Approx weight					
DN	NPS	D1 X D2	C	M	Sch5S	Sch10S	Sch40S/STD	Sch40	Sch80S/XS	Sch80
850X450	34X18	864X457	635	546	—	—	273	501	364	—
850X400	34X16	864X406.4	635	533	—	—	266	488	355	—
900X900	36X36	920X920 914X914	673	673	—	—	648 639	786 767	543 511	—
900X850	36X34	914X864	673	660	—	—	619	736	511	—
900X800	36X32	920X820 914X813	673	648	—	—	370 353	741 690	494 470	—
900X750	36X30	914X762	673	635	—	—	345	—	460	—
900X700	36X28	920X720 914X711	673	622	—	—	355 341	—	473 455	—
900X650	36X26	914X660	673	622	—	—	333	667	447	—
900X600	36X24	914X610	673	610	—	—	326	651	434	—
900X550	36X22	914X559	673	597	—	—	318	636	424	—
900X500	36X20	920X529 914X508	673	584	—	—	347 306	685 598	462 409	—
900X450	36X18	920X478 914X457	673	572	—	—	343 299	693 613	457 398	—
900X400	36X16	920X426 914X406.4	673	559	—	—	335 287	669 575	447 383	—

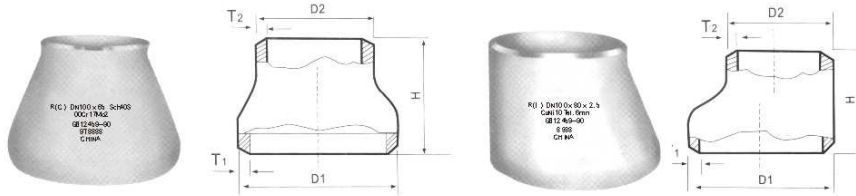
上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacture's data, according to ANSI B16.9.

异径接头 (同心、偏心) Reducers (Concentric and eccentric)



公称通径 Nominal diameter		外径 Outside diameter	端面至端面的距离 End to end	理论重量kg/p Approx weight					
DN	NPS	D1×D2	H	Se16S	Se16E	Se16S/STD	Se16O	Se16E/XS	Se16D
20×15	3/4×1/2	25×18 26.7×21.3	38	0.03 0.04	0.04 0.04	0.05 0.06	0.05 0.06	0.07 0.07	0.07 0.07
25×20	1×3/4	32×25 33.4×26.7	51	0.06 0.06	0.09 0.10	0.11 0.11	0.11 0.11	0.14 0.15	0.14 0.15
25×15	1×1/2	32×18 33.4×21.3	51	0.05 0.06	0.08 0.09	0.09 0.10	0.09 0.10	0.12 0.13	0.12 0.13
32×25	1.1/4×1	38×32 42.2×33.4	51	0.07 0.08	0.11 0.12	0.14 0.15	0.14 0.15	0.18 0.20	0.18 0.20
32×20	1.1/4×3/4	38×25 42.2×26.7	51	0.06 0.07	0.10 0.11	0.13 0.14	0.13 0.14	0.16 0.18	0.16 0.18
32×15	1.1/4×1/2	38×18 42.2×21.3	51	0.06 0.07	0.09 0.11	0.11 0.13	0.11 0.13	0.14 0.17	0.14 0.17
40×32	1.1/2×1.1/4	45×38 48.3×33.4	64	0.11 0.11	0.17 0.19	0.22 0.24	0.22 0.24	0.29 0.32	0.29 0.32
40×25	1.1/2×1	45×32 48.3×33.4	64	0.10 0.10	0.16 0.17	0.20 0.22	0.20 0.22	0.27 0.29	0.27 0.29
40×20	1.1/2×3/4	45×25 48.3×26.7	64	0.09 0.10	0.15 0.16	0.18 0.20	0.18 0.20	0.24 0.26	0.24 0.26
40×15	1.1/2×1/2	45×18 48.3×21.3	64	0.08 0.09	0.13 0.15	0.16 0.19	0.16 0.19	0.21 0.24	0.21 0.24
50×40	2×1.1/2	57×45 60.3×48.3	76	0.16 0.17	0.26 0.27	0.35 0.37	0.35 0.37	0.47 0.51	0.47 0.51
50×32	2×1.1/4	57×38 60.3×42.2	76	0.15 0.16	0.24 0.26	0.32 0.35	0.32 0.35	0.44 0.48	0.44 0.48
50×25	2×1	57×32 60.3×33.4	76	0.14 0.14	0.22 0.24	0.30 0.32	0.30 0.32	0.41 0.44	0.41 0.44
65×50	2.1/2×2	76×57 73.0×60.3	89	0.30 0.30	0.43 0.43	0.70 0.70	0.70 0.70	0.92 0.92	0.92 0.92
65×40	2.1/2×1.1/2	76×45 73.0×48.3	89	0.28 0.28	0.40 0.40	0.64 0.63	0.64 0.63	0.84 0.83	0.84 0.83
65×32	2.1/2×1.1/4	76×38 73.0×42.2	89	0.26 0.27	0.38 0.38	0.60 0.60	0.60 0.60	0.79 0.79	0.79 0.79
65×25	2.1/2×1	76×32 73.0×33.4	89	0.25 0.25	0.36 0.35	0.57 0.56	0.57 0.56	0.75 0.73	0.75 0.73
80×65	3×2.1/2	89×76 88.9×73.0	89	0.38 0.37	0.54 0.53	0.93 0.91	0.93 0.91	1.26 1.23	1.26 1.23
80×50	3×2	89×57 88.9×60.3	89	0.34 0.35	0.48 0.49	0.83 0.84	0.83 0.84	1.11 1.13	1.11 1.13

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

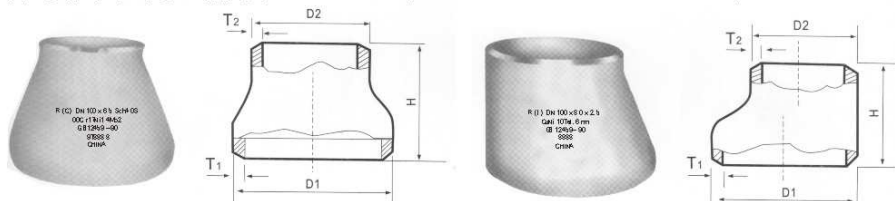
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacture's data according to ANSI B16.9.



异径接头（同心、偏心）Reducers（Concentric and eccentric）



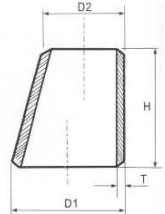
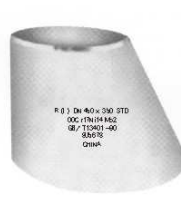
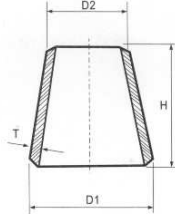
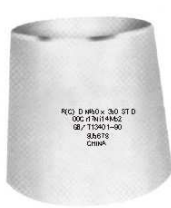
公称通径 Nominal diameter		外径 Outside diameter	端面至端面的距离 End to end	理论重量/kg/p Approx weight					
DN	NPS	D ₁ ×D ₂	H	Sch5S	Sch10S	Sch40S/STD	Sch40	Sch60S/XS	Sch60
80×40	3×1. 1/2	89×45 88. 9×48. 3	89	0. 31 0. 32	0. 45 0. 45	0. 76 0. 78	0. 76 0. 78	1. 02 1. 05	1. 02 1. 05
90×80	3. 1/2×3	101. 6×88. 9	102	0. 50	0. 72	1. 29	1. 77	1. 77	—
90×65	3. 1/2×2. 1/2	101. 6×73. 0	102	0. 46	0. 66	1. 12	1. 12	1. 63	1. 63
90×50	3. 1/2×2	101. 6×60. 3	102	0. 43	0. 62	1. 10	1. 10	1. 51	1. 51
90×40	4×3. 1/2	101. 6×48. 3	102	0. 41	0. 58	1. 03	1. 03	1. 40	1. 40
100×90	3. 1/2×1. 1/2	114. 3×101. 6	102	0. 57	0. 82	1. 55	1. 55	2. 41	2. 41
100×80	4×3	108×89 114. 3×88. 9	102	0. 52 0. 54	0. 75 0. 77	1. 41 1. 46	1. 41 1. 46	1. 94 2. 02	1. 94 2. 02
100×65	4×2. 1/2	108×76 114. 3×73. 0	102	0. 49 0. 50	0. 70 0. 72	1. 32 1. 35	1. 32 1. 35	1. 82 1. 87	1. 82 1. 87
100×50	4×2	108×57 114. 3×60. 3	102	0. 44 0. 48	0. 64 0. 68	1. 19 1. 27	1. 19 1. 27	1. 64 1. 75	1. 64 1. 75
125×100	5×4	133×108 141. 3×114. 3	127	1. 04 1. 11	1. 27 1. 35	2. 35 2. 50	2. 35 2. 50	3. 33 3. 55	3. 33 3. 55
125×90	5×3. 1/2	141. 3×101. 6	127	1. 06	1. 29	2. 38	2. 38	3. 38	3. 38
125×80	5×3	133×89 141. 3×88. 9	127	0. 97 1. 01	1. 18 1. 23	2. 17 2. 27	2. 17 2. 27	3. 07 3. 22	3. 07 3. 22
125×65	5×2. 1/2	133×76 141. 3×73	127	0. 92 0. 95	1. 12 1. 16	2. 06 2. 14	2. 06 2. 14	2. 91 3. 02	2. 91 3. 02
150×125	6×5	159×133 168. 3×141. 3	140	1. 40 1. 48	1. 71 1. 81	3. 42 3. 64	3. 42 3. 64	5. 14 5. 47	5. 14 5. 47
150×100	6×4	159×108 168. 3×114. 3	140	1. 29 1. 37	1. 58 1. 67	3. 15 3. 36	3. 15 3. 36	4. 72 5. 03	4. 72 5. 03
150×90	6×3. 1/2	168. 3×101. 6	140	1. 32	1. 61	3. 23	3. 23	4. 83	4. 83
150×80	6×3	159×89 168. 3×88. 9	140	1. 21 1. 26	1. 48 1. 53	2. 96 3. 07	2. 96 3. 07	4. 41 4. 58	4. 41 4. 58
200×150	8×6	219×159 219. 1×168. 3	152	2. 00 2. 04	2. 70 2. 75	5. 65 5. 77	5. 65 5. 77	8. 55 8. 73	8. 55 8. 73
200×125	8×5	219×133 219. 1×141. 3	152	1. 90 1. 93	2. 65 2. 60	5. 35 5. 44	5. 35 5. 44	8. 09 8. 23	8. 09 8. 23

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16. 9标准。
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16. 9.

理论重量按ANSI B16. 9标准壁厚计算

Weights are approximate and based on manufacturer's data, according to ANSI B16. 9.

异径接头 (同心、偏心) Reducers (Concentric and eccentric)



公称口径 Nominal diameter		外径 Outside diameter	端面至端面的距离 End to end	理论重量kg/pc Approx weight					
DN	NPS	D ₁ × D ₂	H	Sei6S	Sei10S	Sei40S/STD	Sei40	Sei80S/XS	Sei80
250 × 150	10 × 6	273 × 159 273.1 × 168.3	178	3.38 3.43	4.15 4.21	8.83 8.96	14.0 14.2	14.0 14.2	14.0 14.2
250 × 125	10 × 5	273 × 133 273.1 × 141.3	178	3.25 3.29	3.99 4.04	8.47 8.59	13.4 13.6	13.4 13.6	13.4 13.6
200 × 100	8 × 4	219 × 108 219.1 × 114.3	152	1.80 1.83	2.43 2.46	5.07 5.14	5.07 5.44	7.64 7.75	7.64 7.75
250 × 200	10 × 8	273 × 219	178	3.72	4.56	9.74	15.5	15.5	15.5
300 × 250	12 × 10	325 × 273 323.9 × 273.1	203	5.98 5.97	6.89 6.88	13.9 13.9	15.0 15.0	18.3 18.3	24.8 24.8
300 × 200	12 × 8	325 × 219 323.9 × 219.1	203	5.57 5.56	6.42 6.41	12.9 12.9	14.0 13.9	17.0 17.0	23.0 23.0
300 × 150	12 × 6	325 × 159 323.9 × 168.3	203	5.17 5.22	5.95 6.00	12.0 12.1	12.9 13.0	15.7 15.9	21.2 21.4
350 × 300	14 × 12	377 × 325 355.6 × 323.9	330	11.4 11.0	13.7 13.2	26.6 25.6	30.9 29.8	35.1 33.8	51.6 49.8
350 × 250	14 × 10	377 × 273 355.6 × 273.1	330	10.6 10.2	12.8 12.3	24.8 23.8	28.8 27.7	32.7 31.4	48.0 46.1
350 × 200	14 × 8	377 × 219 355.6 × 219.1	330	9.89 9.46	11.9 11.4	23.0 22.0	26.7 25.5	30.3 29.0	44.5 42.5
350 × 150	14 × 6	377 × 159 355.6 × 168.3	330	9.63 9.22	11.0 10.5	21.1 20.2	24.5 23.5	27.8 26.6	40.7 38.9
400 × 350	16 × 14	426 × 377 406.4 × 355.6	356	14.9 14.1	16.9 16.1	32.9 31.2	43.5 41.2	43.5 41.2	71.7 67.9
400 × 300	16 × 12	426 × 325 406.4 × 323.9	356	14.0 13.6	16.0 15.4	31.0 29.9	40.9 39.5	40.9 39.5	67.4 65.1
400 × 250	16 × 10	426 × 273 406.4 × 273.1	356	13.2 12.7	15.0 14.5	29.1 28.1	38.4 37.1	38.4 37.1	63.1 60.9
400 × 200	16 × 8	426 × 219 406.4 × 219.1	356	12.4 11.9	14.1 13.6	27.3 26.2	36.0 34.6	36.0 34.6	59.1 56.7
400 × 150	16 × 6	426 × 159 406.4 × 168.3	356	11.5 9.96	13.1 12.7	25.3 24.5	33.3 32.3	33.3 32.3	54.5 52.7
450 × 400	18 × 16	478 × 426 457 × 406.4	381	17.9 17.1	20.4 19.5	39.7 37.9	58.8 56.1	52.6 50.1	96.1 91.6
450 × 350	18 × 14	478 × 377 457 × 355.6	381	17.1 16.2	19.4 18.5	37.7 35.8	55.8 53.0	49.9 47.4	91.1 86.3
450 × 300	18 × 12	478 × 325 457 × 323.9	381	16.2 15.7	18.5 17.9	35.8 34.7	53.0 51.2	47.4 45.8	86.3 83.4

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

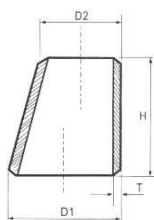
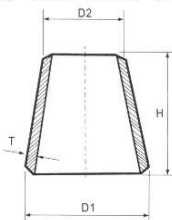
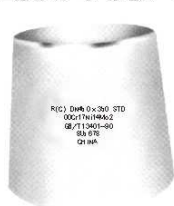
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacture's data according to ANSI B16.9.



异径接头 (同心、偏心) Reducers (Concentric and eccentric)



公称通径 Nominal diameter		外径 Outside diameter	端面至端面的距离 End to end	理论重量 kg/pc Approx weight					
DN	NPS	D1 X D2	H	Sh35	Sh40S	Sh40S/STD	Sh40	Sh40S/XS	Sh40
450 X 250	18 X 10	478 X 273 457 X 273.1	381	15.4 14.8	17.6 16.9	34.1 32.8	50.3 48.4	45.0 43.3	81.8 78.6
450 X 200	18 X 8	478 X 219 457 X 219.1	381	14.5 14.0	16.5 15.9	32.0 30.8	47.3 45.5	42.3 40.7	76.7 73.7
500 X 450	20 X 18	529 X 478 508 X 457	508	30.1 29.1	35.2 33.7	59.1 56.6	92.5 88.6	78.2 74.9	156 150
500 X 400	20 X 16	529 X 426 508 X 406.4	508	28.9 27.7	33.4 32.0	56.2 53.8	87.9 84.1	74.4 71.1	149 142
500 X 350	20 X 14	529 X 377 508 X 355.6	508	27.6 26.3	31.9 30.4	53.6 51.0	83.8 79.7	70.9 67.4	142 135
500 X 300	20 X 12	529 X 325 508 X 323.9	508	26.2 25.4	30.3 29.4	50.8 49.3	79.4 77.0	67.2 65.1	134 130
500 X 250	20 X 10	529 X 273 508 X 273.1	508	24.8 24.0	28.7 27.8	48.2 26.7	75.2 72.8	63.7 61.7	127 123
500 X 200	20 X 8	529 X 219 508 X 219.1	508	23.5 22.7	27.1 26.2	45.5 43.9	70.9 68.5	60.1 58.0	119 115
550 X 500	22 X 20	559 X 508	508	32.1	37.3	62.7	—	83.0	182
500 X 450	22 X 18	559 X 457	508	30.8	35.0	59.9	—	79.3	174
550 X 400	22 X 16	559 X 406.4	508	29.4	34.0	57.2	—	75.7	165
550 X 350	22 X 14	559 X 355.6	508	28.0	32.5	54.5	—	72.1	157
600 X 550	24 X 22	610 X 559	508	28.0	46.8	68.8	—	91.2	215
600 X 500	24 X 20	630 X 529 610 X 508	508	40.4 39.2	46.2 44.9	68.0 66.0	123 119	90.1 87.4	212 206
600 X 450	24 X 18	630 X 478 610 X 457	508	39.1 37.6	44.7 43.1	65.8 63.3	119 114	87.1 83.9	205 197
600 X 400	24 X 16	630 X 426 610 X 406.4	508	37.5 36.1	43.0 41.3	63.1 60.7	114 110	83.6 80.4	197 189
650 X 600	26 X 24	660 X 610	610	—	—	89.8	—	119	—
650 X 550	26 X 22	660 X 559	610	—	—	86.3	—	114	—
600 X 500	26 X 20	660 X 508	610	—	—	83.0	—	110	—

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

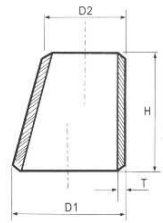
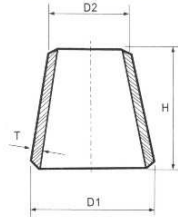
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚计算

Weights are approximate and based on manufacturer's data, according to ANSI B16.9.



异径接头 (同心、偏心) Reducers (Concentric and eccentric)



公称通径 Nominal diameter	NPS	外径 Outside diameter	端面至端面的距离 End to end	理论重量kg / pc Approx weight					
				Std55	Std 65	Std 40S / STD	Std 40	Std 60S / XS	Std 60
650 X 450	26 X 18	660 X 457	610	—	—	89.0	—	105	—
700 X 650	28 X 26	711 X 660	610	—	—	97.1	—	129	—
700 X 600	28 X 24	720 X 630 711 X 610	610	—	—	95.7 93.6	—	127 124	—
700 X 550	28 X 22	711 X 559	610	—	—	90.4	—	120	—
750 X 700	30 X 28	762 X 711	610	—	—	104	—	139	—
750 X 650	30 X 26	762 X 660	610	—	—	101	—	133	—
750 X 600	30 X 24	762 X 610	610	86.4	82.7	97.8	—	130	—
750 X 550	30 X 22	762 X 559	610	63.9	80.0	94.5	—	125	—
800 X 750	32 X 30	813 X 762	610	—	—	112	—	148	—
800 X 700	32 X 28	820 X 720 813 X 711	610	—	—	109 108	—	145 144	—
800 X 650	32 X 26	813 X 660	610	—	—	105	—	139	—
800 X 600	32 X 24	820 X 630 813 X 610	610	—	—	104 102	—	138 135	—
850 X 800	34 X 32	864 X 813	610	—	—	119	—	158	—
850 X 750	34 X 30	864 X 762	610	—	—	116	—	153	—
850 X 700	34 X 28	864 X 711	610	—	—	112	—	149	—
850 X 650	34 X 26	864 X 660	610	—	—	109	—	145	—
900 X 850	36 X 34	914 X 864	610	—	—	126	—	168	—
900 X 800	36 X 32	920 X 820 914 X 813	610	—	—	124 123	—	164 163	—
900 X 750	36 X 30	914 X 762	610	—	—	120	—	159	—
900 X 700	36 X 28	920 X 720 914 X 711	610	—	—	118 117	—	156 155	—

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

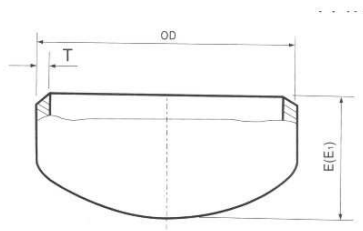
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacture's data according to ANSI B16.9.



管帽 Caps



公称通径 Nominal diameter		外径 Outside diameter	背面至端面的距离 Back to end		(E型)理论重量 kg/pa (E) Approx. weight					
DN	NPS	OD	E	E1	Se16S	Se16E	Se40S/STD	Se40E	Se80S/XS	Se80E
15	1/2	18 21.3	25	25	0.019 0.022	0.024 0.028	0.031 0.037	0.031 0.037	0.042 0.050	0.042 0.050
20	3/4	25 26.7	25	25	0.027 0.029	0.033 0.035	0.045 0.048	0.045 0.048	0.060 0.065	0.060 0.065
25	1	32 33.7	38	38	0.049 0.052	0.063 0.067	0.101 0.106	0.101 0.106	0.136 0.143	0.136 0.143
32	1.1/4	38 42.4	38	38	0.058 0.065	0.099 0.110	0.126 0.141	0.126 0.141	0.173 0.193	0.173 0.193
40	1.1/2	45 48.3	38	38	0.071 0.076	0.118 0.127	0.158 0.169	0.158 0.169	0.218 0.234	0.218 0.234
50	2	57 60.3	38	44	0.094 0.099	0.156 0.165	0.221 0.234	0.221 0.234	0.313 0.331	0.313 0.331
65	2.1/2	78 73.0	38	51	0.167 0.161	0.241 0.232	0.409 0.393	0.409 0.393	0.555 0.534	0.555 0.534
80	3	89	51	64	0.254	0.367	0.660	0.660	0.917	0.917
90	3.1/2	101.6	64	76	0.355	0.512	0.965	0.965	1.36	1.36
100	4	108 114.3	64	76	0.387 0.410	0.561 0.594	1.11 1.17	1.11 1.17	1.58 1.67	1.58 1.67
125	5	133 139.7 141.3	76	89	0.769 0.808 0.817	0.945 0.993 1.00	1.82 1.91 1.93	1.82 1.91 1.93	2.65 2.78 2.81	2.65 2.78 2.81
150	6	159 168.3 165.2	89	102	1.07 1.13 1.11	1.31 1.39 1.36	2.74 2.90 2.85	2.74 2.90 2.85	4.22 4.47 4.39	4.22 4.47 4.39
200	8	219 216.1	102	127	1.76 1.74	2.38 2.35	5.19 5.13	5.19 5.13	8.05 7.95	8.05 7.95
250	10	273 267.4	127	152	3.36 3.29	4.14 4.05	9.15 8.96	9.15 8.96	12.5 12.2	16.3 16.4

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

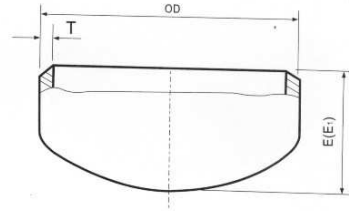
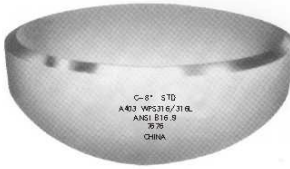
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacturer's data, according to ANSI B16.9.



管帽 Caps



公称通径 Nominal diameter		外径 Outside diameter	背面至端面的距离 Back to end		(E型)理论重量kg/pc (E) Approx. weight					
DN	NPS	OD	E	E _i	Sd65	Sch10S	Sch40S/STD	Sch40	Sch80S/XS	Sch80
300	12	325	152	178	5.12	6.40	13.5	14.6	17.9	28.3
		323.9			5.11	6.39	13.3	14.4	17.7	27.1
		318.5			5.02	6.27	13.2	14.2	17.3	26.8
350	14	377	165	191	6.00	8.46	16.9	19.9	22.5	38.5
		355.6			5.66	7.87	15.9	18.8	21.2	35.2
400	16	426	178	203	6.93	7.91	21.0	28.2	28.0	52.0
		406.4			6.60	7.53	20.0	20.0	26.7	49.1
450	18	478	203	229	7.90	9.01	26.9	43.8	35.8	76.1
		457.2			7.52	8.58	25.6	41.4	34.1	69.1
500	20	529	229	254	10.5	12.02	33.2	57.6	44.2	103
		508			10.1	11.7	31.9	54.0	42.5	93.7
550	22	559	254	254	12.1	22.6	38.8	78.3	51.7	116
600	24	630	267	305	14.8	16.9	46.5	92.3	61.9	177
		610			14.3	16.4	45.1	90.1	60.1	160
650	26	660	267	—	23.3	26.1	50.5	108.5	67.3	
700	28	720	267	—	27.1	32.4	56.9	151.1	75.6	
		711			26.7	29.7	55.2	121.3	74.9	
750	30	762	267	—	41.4	51.7	62.1	117.3	82.8	
800	32	820	267	—	43.4	58.3	70.6	127	92.0	
		813			43.1	57.7	70.0	126	91.2	
850	34	864	267	—	57.2	68.5	78.7	144	105	
900	36	920	267	—	60.3	74.6	96.3	172	115	
		914			59.1	72.1	95.7	171	114	

上述尺寸符合GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9标准。

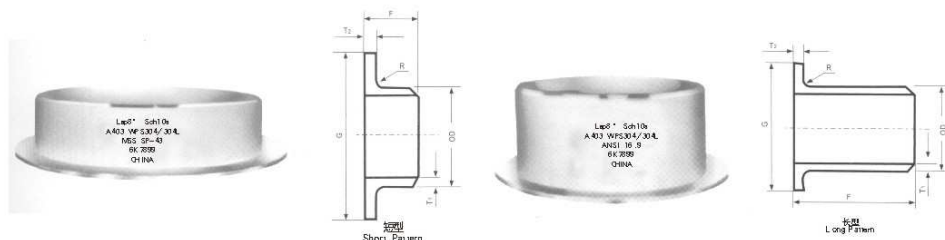
Above dimensions acc. to GB/T 12459、GB/T 13401、SH3408、SH3409、HG/T 21635、HG/T21631、SY/T 05010、ASME B16.9.

理论重量按ANSI B16.9标准壁厚测算

Weights are approximate and based on manufacture's data according to ANSI B16.9.



翻边接头 Lap joint stub ends

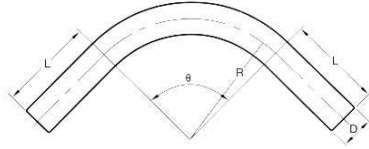
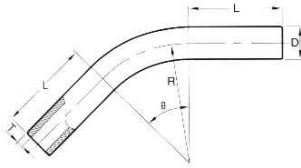


公称通径 Nominal diameter		外径 Outside diameter	长度 Length F		搭接外径 Diameter of lap Nominal & Maximum	圆角半径 Radius of Filler R		理论重量 kg / pc Approx weight					
			短型 SP	长型 LP		A Max	B Max	Sch5S		Sch10S		Sch40S	
DN	NPS	OD	短型 SP	长型 LP	G			短型 SP	长型 LP	短型 SP	长型 LP	短型 SP	长型 LP
15	1/2	21.3	50.8	76.2	35.1	3	0.75	0.049	0.067	0.062	0.084	0.079	0.106
20	3/4	26.7	50.8	76.2	42.9	3	0.75	0.064	0.087	0.081	0.109	0.101	0.144
25	1	33.4	50.8	101.6	50.8	3	0.75	0.082	0.144	0.134	0.233	0.160	0.279
32	1 1/4	42.4	50.8	101.6	63.5	5	0.75	0.109	0.188	0.178	0.307	0.225	0.386
40	1 1/2	48.3	50.8	101.6	73.2	6	0.75	0.129	0.219	0.213	0.358	0.279	0.467
50	2	60.3	63.5	152.4	91.9	8	0.75	0.204	0.406	0.338	0.667	0.471	0.924
65	2 1/2	73.0	63.5	152.4	104.6	8	0.75	0.313	0.626	0.448	0.893	0.740	1.465
80	3	88.9	63.5	152.4	127.0	10	0.75	0.400	0.781	0.574	1.117	1.01	1.954
90	3 1/2	101.6	76.2	152.4	139.7	10	0.75	0.522	0.898	0.650	1.283	1.38	2.35
100	4	114.3	76.2	152.4	157.2	11	0.75	0.606	1.024	0.870	1.474	1.68	2.822
125	5	141.3	76.2	203.2	185.7	11	1.5	0.985	2.153	1.21	2.635	2.08	4.957
150	6	168.3	88.9	203.0	215.9	13	1.5	1.34	2.591	1.64	3.174	3.37	6.482
200	8	219.1	101.6	203.2	269.7	13	1.5	1.96	3.409	2.65	4.607	5.67	9.819
250	10	273.1	127	254.0	323.9	13	1.5	3.57	6.389	4.38	7.843	9.55	17.023
300	12	323.9	152.4	254.0	381.0	13	1.5	5.85	8.922	6.74	10.275	13.8	21.075
350	14	355.9	152.4	304.8	412.8	13	1.5	6.55	11.571	7.49	13.912	16.88	—
400	16	406.4	152.4	304.8	469.9	13	1.5	7.778	14.216	8.797	16.078	—	—
450	18	457.2	152.4	304.8	533.4	13	1.5	9.009	16.216	10.252	18.453	—	—
500	20	508	152.4	304.8	584.2	13	1.5	11.102	19.984	13.202	23.764	—	—
550	22	559	152.4	304.8	641.4	13	1.5	12.763	22.81	14.779	26.413	—	—
600	24	610	152.4	304.8	692.2	13	1.5	16.132	28.839	18.476	33.028	—	—

上述尺寸符合 MSS SP-43、ASME B16.9 标准。
Above dimensions acc. to MSS SP-43, ASME B16.9.



弯管 Bend



项目
ITEM

内容
DESCRIPTION

标准
Standard

按DL/T 515《电站弯管》、SY 5257《钢制弯管》执行，或按顾客提出的标准或技术要求执行
according to DL/T515《power station Bend》, SY5257《steel Bend》,
or customer's technical drawings

材料
Material

碳钢、合金钢、不锈钢
carbon steel, alloy steel, stainless steel

弯曲半径
Bend Radius R

$R \leq 6000\text{mm}$, 且 $R \geq 3D$
(用R等于3D、4D、5D、6D、7D、8D、9D、10D来表示弯曲半径, D为管子外径)
 $R \geq 3D$ (R=3D、4D、5D、6D、7D、8D、9D、10D) D, outside diameter

弯曲角度 θ
Bend Angle θ

常用为15°、30°、45°、60°、90°、135°和180°，也可以按顾客提出的角度弯制
normally 15°, 30°, 45°, 60°, 90°, 135° and 180° or at customer's option

直段长度
Length of
Straight L

弯管两端直段长度一般在300mm—1500mm，由顾客确定长度的大小
normally between 300mm and 1500mm in length of straight, L is at customer's option

外径 D
Outside
Diameter D

$D \leq 1220\text{mm}$

壁厚 T
Wall
Thickness T

$T \leq 120\text{mm}$

端部坡口
End Bevel

按对焊管件焊端坡口结构型式执行
according to welding bevel of butt welding fitting

重量
Weight

重量/Kg= $\frac{0.0433(D-T)TR\theta}{100000} + L(\text{双端直管段重量})$
Weight/kg $\frac{0.0433(D-T)TR\theta}{100000} + L(\text{Weight of Double Sides Straight Length})$

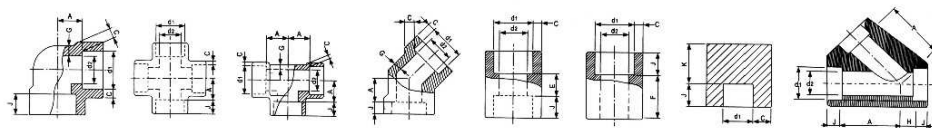


锻制管件
Forged fittings





承插管件 Socket welding fittings



公称 通径 Nom. Pipe Size	承插孔 深度 Depth of Socket Min	中心至承插孔底 Center To Bottom of Socket							结构长度 Laying Length		管端壁厚 End wall Thickness Class Designation Min k			中心至承插孔底 Center To Bottom of Socket			
		90° 弯头、三通、四通 90° Elbows, Tees, and Crosses Class Designation A			45° 弯头 45° Elbows Class Designation A				双承口 管箍 Couplings	单承口 管箍 Hall Couplings				45° 斜三通Lateral			
		A		H													
DN	NPS	J	3000	6000	9000	3000	6000	9000	E	F	3000	6000	9000	3000 sch 80	6000 sch 80	3000 sch 80	6000 sch 80
6	1/8	10	12 10	12 10		9 7	9 7		8 5	17 15	5.0	6.5	—	—	—	—	—
8	1/4	10	12 10	17 13		9 7	9 7		8 5	17 15	5.0	6.5	—	32	—	8	—
10	3/8	10	15 12	17 14		9 6	13 10		9 6	19 16	5.0	6.5	—	37	—	8	—
15	1/2	10	17 14	21 18	27 24	13 10	14 11	17 14	13 6	24 21	6.5	8.0	11.0	41	51	11	13
20	3/4	13	21 18	24 21	30 27	14 11	16 13	21 17	13 6	25 22	6.5	8.0	12.5	51	60	13	14
20	1	13	24 20	29 25	34 30	16 12	19 15	23 19	17 9	31 27	9.5	11.0	14.0	60	71	14	18
32	1 1/4	13	29 25	34 30	37 33	19 15	23 19	24 20	17 9	32 28	9.5	11.0	14.0	71	81	18	21
40	1 1/2	13	34 30	40 36	40 36	23 19	27 23	28 23	17 9	34 30	11.0	12.5	16.0	81	98	21	25
50	2	16	40 36	43 39	56 52	27 23	31 27	31 26	23 15	43 39	12.5	16.0	19.0	98	120	25	29
65	2 1/2	16	44 39			31 27			24 14	45 40	16.0	19.0		—	—	—	—
80	3	16	60 55			34 29			24 14	47 42	19.0	22.0		—	—	—	—
100	4	19	69 64			44 39			24 14	50 45	22.0	28.5		—	—	—	—

备注:

- (1) 承插壁厚外圆平均值不低于所列值。最小值仅限于局部区域。
(2) 每种规格的上下值分别代表最大、最小尺寸。

NOTE:

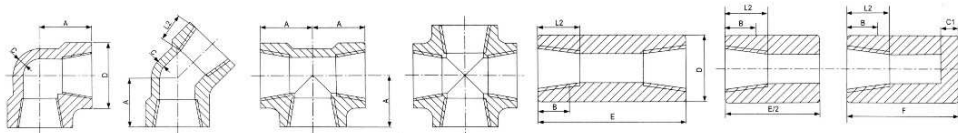
- (1) Average of Socket Wall Thickness around periphery shall be no less than listed values. The minimum values are permitted in localized areas.
(2) Upper and lower values for each size are the respective maximum and minimum dimensions.

上述尺寸符合GB/T14383、SH3410、HG/T21634、JIS B 2316、ASME16.11、BS3799标准。

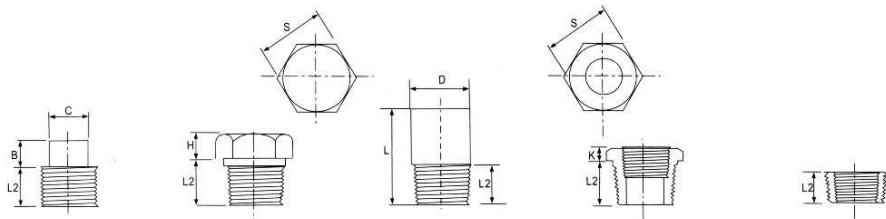
Above dimensions acc. to GB/T14383、SH3410、HG/T21634、JIS B 2316、ASME16.11、BS3799.



螺纹管件 Threaded fitting



公称口径 Nominal Pipe Size		90° 弯头, 三通, 四通 90° Elbows, Tees and Crosses												双接口管帽, 单接口管帽, 管帽 Half Coupling, Coupling, Cap										螺纹长度 Length of Thread	
		中心至端面 Center to End						外径 Outside Diameter			壁厚 Wall Thickness			全长 End to End		外径 Outside Diameter		管帽厚度 End Wall Thickness							
														E	F	D	C1								
		DN	NPS	2000	3000	6000	2000	3000	6000	2000	3000	6000	2000	3000	6000	3000	6000	3000	6000	B	L2				
6	1/8	21	21	25	17	17	19	22	22	25	3.0	3.0	6.5	32	19	—	16	22	5.0	—	6.5	6.5	—	—	
8	1/4	21	25	29	17	19	22	22	25	33	3.0	3.5	6.5	35	25	27	19	25	5.0	6.5	8.0	10.0	—	—	
10	3/8	25	29	33	19	22	25	25	33	38	3.0	3.5	7.0	38	25	27	22	32	5.0	6.5	9.0	10.5	—	—	
15	1/2	29	33	38	22	25	29	33	38	46	3.0	4.0	8.0	48	32	33	29	38	6.5	8.0	11.0	13.5	—	—	
20	3/4	33	38	44	25	29	33	38	46	56	3.0	4.5	8.5	51	37	38	35	44	6.5	8.0	12.5	14.0	—	—	
25	1	38	44	51	29	33	35	46	56	62	3.5	5.0	10.0	60	41	43	44	57	9.5	11.0	14.5	17.5	—	—	
32	1 1/4	44	51	60	33	35	43	56	62	75	4.0	5.5	10.5	67	44	46	57	64	9.5	11.0	17.0	18.0	—	—	
40	1 1/2	51	60	64	35	43	44	62	75	84	4.0	5.5	11.0	79	44	48	64	76	11.0	12.5	18.0	18.5	—	—	
50	2	60	64	83	43	45	52	75	84	102	4.5	7.0	12.0	86	48	51	76	92	12.5	16.0	19.0	19.0	—	—	
65	2 1/2	76	83	95	52	52	64	92	102	121	5.5	7.5	15.5	92	60	64	92	108	16.0	19.0	23.5	29.0	—	—	
80	3	86	96	106	64	64	79	110	121	146	6.0	9.0	16.5	108	65	68	108	127	19.0	22.0	26.0	30.5	—	—	
100	4	106	114	114	79	79	79	146	152	152	6.5	11.0	18.5	121	68	75	140	159	22.0	28.5	27.5	33.0	—	—	

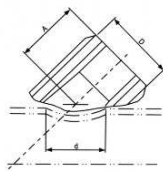


公称口径 Nominal Pipe Size		方头管塞 Square Head Plugs					圆头管塞 Round Head Plugs			六角头管塞和接头 Hex Head Plugs and Bushings			
		螺纹长度 Length Min		方头高度 Height of Square		平面宽度 Width of Flats	圆头直径 Diameter of Round Head		全长 Length Min	平面宽度 Width of Flats		六角头高度 Hex Height	
				Min	Min		Nominal	Nominal		Nominal	Nominal	Min	Min
DN	NPS	L2		B	C	D	L	S	K	H			
6	1/8	9.5	6	7.0	10	35	11.0	—	6	—	—	—	—
8	1/4	11.0	6	9.5	13	41	16.0	3	6	—	—	—	—
10	3/8	12.5	8	11.0	17	41	17.5	4	8	—	—	—	—
15	1/2	14.5	10	14.5	21	44	22.0	5	8	—	—	—	—
20	3/4	16.0	11	16.0	27	44	27.0	6	10	—	—	—	—
25	1	19.0	13	20.5	33	51	35.0	6	10	—	—	—	—
32	1 1/4	20.5	14	24.5	43	51	44.5	7	14	—	—	—	—
40	1 1/2	20.5	16	28.5	48	51	51.0	8	16	—	—	—	—
50	2	22.0	17	33.5	60	64	63.5	9	17	—	—	—	—
65	2 1/2	27.0	19	38.0	73	70	76.0	10	19	—	—	—	—
80	3	28.5	21	43.0	89	70	89.0	10	21	—	—	—	—
100	4	32.0	25	63.5	114	76	117.5	13	25	—	—	—	—

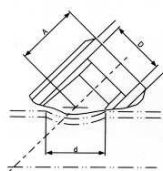
上述尺寸符合GB/T14626、ANSI B16.11、BS3799标准。
Above dimensions acc. to GB/T14626、ANSI B16.11、BS3799.



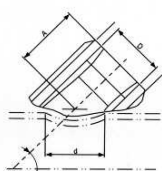
管座 Outlets



对焊45° 斜管座
Butt Welding 45° Outlet

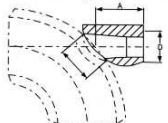


承插焊45° 斜管座
Socket Welding 45° Outlet

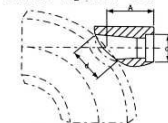


螺纹45° 斜管座
Threaded 45° Outlet

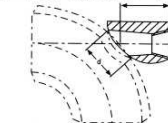
45° 斜管座和弯头管座
45° Lateral outlets



对焊弯头管座
Butt Welding Elbow Outlet



承插焊弯头管座
Socket Welding Elbow Outlet



螺纹弯头管座
Threaded Elbow Outlet

公称通径Nominal Pipe Size				结构尺寸Height A						
主管Run Pipe		支管Branch Outlet		对焊Butt-welding		承插焊Socket-welding		螺纹Threaded		
DN	NPS	DN	NPS	STD	XS	sch160	3000	6000	3000	6000
20-900	3/4-36	15	1/2	45	50	45	50	45	50	
25-900	1-36	20	3/4	50	58	50	58	50	58	
32-900	1 1/4-36	25	1	60	70	60	70	60	70	
40-900	1 1/2-36	32	1 1/4	68	76	68	76	68	76	
50-900	2-36	40	1 1/2	75	83	75	83	75	83	
65-900	2 1/2-36	50	2	90	98	90	98	90	98	
80-900	3-36	65	2 1/2	95	105	—	—	—	—	
100-900	4-36	80	3	120	130	—	—	—	—	
125-900	5-36	100	4	140	150	—	—	—	—	

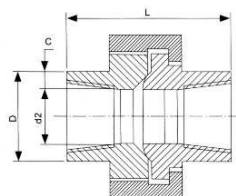
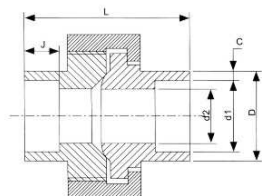
管座 OUTLETS

公称通径Nominal Pipe Size				结构尺寸Height A						
主管Run Pipe		支管Branch Outlet		对焊Butt-welding		承插焊Socket-welding		螺纹Threaded		
DN	NPS	DN	NPS	STD	XS	sch160	3000	6000	3000	6000
8-900	1/4-36	6	1/8	16	—	20	—	19	—	
10-900	3/8-36	8	1/4	16	—	20	—	19	—	
15-900	1/2-36	10	3/8	19	—	23	—	21	—	
20-900	3/4-36	15	1/2	19	19	26	24	25	32	
25-900	1-36	20	3/4	22	22	29	25	27	37	
32-900	1 1/4-36	25	1	27	27	35	29	33	40	
40-900	1 1/2-36	32	1 1/4	32	32	35	30	33	41	
50-900	2-36	40	1 1/2	33	33	37	32	35	43	
65-900	2 1/2-36	50	2	38	38	40	37	38	52	
80-900	3-36	65	2 1/2	41	—	41	—	46	—	
100-900	4-36	80	3	44	—	46	—	51	—	
125-900	5-36	100	4	51	51	49	—	57	—	

上述尺寸符合MSS SP-9标准。Above dimensions acc. to MSS SP-97.



承插式 螺纹式活接头
Socket and threaded unions



公称通径 Nominal Pipe Size		外径 Outside Diameter D		壁厚 Wall Thickness C		承插孔径 Socket Bore Min d1	流通外径 Water Way Bore Min d2	承插孔深度 Depth of Socket J	公称装配 长度 Length Assem Nominal L
DN	NPS	承插焊 Socket	螺纹 Threaded	承插焊 Socket	螺纹 Threaded	承插焊 Socket	承插焊、螺纹 Socket&Threaded	承插焊 Socket	承插焊、螺纹 Socket&Threaded
6	1/8	21.8	14.7	3.2	2.5	10.65	6.43	10	41.4
8	1/4	21.8	19.0	3.3	3.1	14.10	9.45	10	41.4
10	3/8	25.9	22.9	3.5	3.2	17.55	13.51	10	46.0
15	1/2	31.2	27.7	4.1	3.8	21.70	17.07	10	49.0
20	3/4	37.1	33.5	4.3	4.0	27.05	21.39	13	56.9
25	1	45.5	41.4	5.0	4.6	33.80	27.74	13	62.0
32	1 1/4	54.9	50.5	5.3	4.9	42.55	35.36	13	71.1
40	1 1/2	61.5	57.2	5.6	5.1	48.65	41.20	13	76.5
50	2	75.2	70.1	6.1	5.6	61.10	52.12	16	86.1
65	2 1/2	91.7	85.3	7.7	7.1	73.80	64.31	16	102.4
80	3	109.2	102.4	8.4	7.7	89.80	77.27	16	109.0

上述尺寸符合MSS SP-83、BS3799标准。Above dimensions acc. to MSS SP-83、BS3799.



法兰 Flange



平焊法兰
Plate-type



对焊法兰
Weld neck



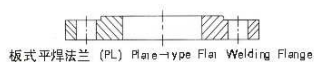
螺纹法兰
Threaded



承插焊法兰
Socket welding



法兰盖
Blind



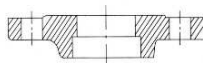
板式平焊法兰 (PL) Plate-type Flange Welding Flange



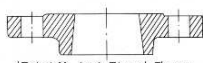
带颈平焊法兰 (SO) Slip-on Neck Flange



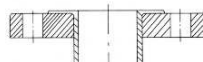
带颈对焊法兰 (WN) Weld Neck Flange



承插焊法兰 (SW) Socket welding Flange



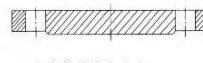
螺纹法兰 (TH) Thread Flange



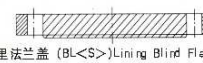
对焊环松套法兰 (PJ/SE) Bolt Welding Ring Loose Flange



平焊环松套法兰 (PJ/PR) Flange Welding Ring Loose Flange



法兰盖 (BL) Blind Flange



衬里法兰盖 (BL<S>) Lining Blind Flange

密封面形式

压力等级PN, MPa

突面 (RF)	0.25-2.5
全平面 (FF)	0.25-1.6

突面 (RF)	0.6-4.0
凹凸面 (MFM)	1.0-4.0
榫槽面 (TG)	0.6-1.6
全平面 (FF)	1.0-25.0

突面 (RF)	1.0-16.0
凹凸面 (MFM)	1.0-16.0
榫槽面 (TG)	6.3-25.0
环连接面 (RJ)	1.0-1.6
全平面 (FF)	1.0-10.0

突面 (RF)	1.0-10.0
凹凸面 (MFM)	1.0-10.0
榫槽面 (TG)	0.6-0.4

突面 (RF)	0.6-1.6
全平面 (FF)	0.6-4.0

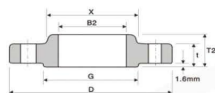
突面 (RF)	0.6-1.6
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突面 (RF)	1.6-1.6
凹凸面 (MFM)	1.0-1.6
榫槽面 (TG)	1.0-1.6

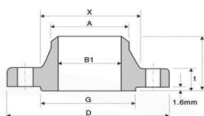
突面 (RF)	0.25-0.25
凹凸面 (MFM)	1.0-16.0
榫槽面 (TG)	1.0-16.0
环连接面 (RJ)	6.3-25.0
全平面 (FF)	0.25-1.6

突面 (RF)	0.6-4.0
凸面 (M)	1.0-4.0
榫面 (T)	1.0-4.0

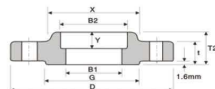
上述尺寸符合ANSI B16.5标准。Above dimensions acc to ANSI B16.5.



SLIP-ON



WELDING NECK



SOCKET WELDING

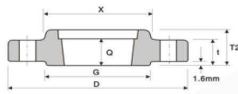
150LB													
size	outside diam	OD of RF	big neck	thick ness	inside diam			high			Small neck	LJ	Thread length
	D	G	X	T	WN	SO/SW	LJ	WN	SO/SW	LJ	A	R	Q
	D	G	X	T	B1	B2	B3	T1	T2	T3	A	R	Q
1/2"	90	34.9	30	11.2	15.8	22.2	22.9	47.8	15.7	22.9	21.3	3	16
3/4"	100	42.9	38	12.7	20.9	27.7	28.2	52.3	15.7	28.2	26.7	3	16
1"	110	50.8	49	14.3	26.6	34.5	34.9	55.6	17.5	34.9	33.4	3	17
1 1/4"	115	63.5	59	15.9	35.1	43.2	43.7	57.2	20.6	43.7	42.2	5	21
1 1/2"	125	73	65	17.5	40.9	49.5	50	62	22.4	50	48.3	6	22
2"	150	92.1	78	19.1	52.5	61.9	62.5	63.5	25.4	62.5	60.3	8	25
2 1/2"	180	104.8	90	22.3	62.7	74.6	75.4	69.9	28.4	75.4	73	8	29
3"	190	127	108	23.9	77.9	90.7	91.4	69.9	30.2	91.4	88.9	10	30
3 1/2"	215	139.7	122	23.9	90.1	103.4	104.1	71.4	31.8	104.1	101.6	10	32
4"	230	157.2	135	23.9	102.3	116.1	116.8	76.2	33.3	116.8	114.3	11	33
5"	255	185.7	164	23.9	128.2	143.8	144.4	88.9	36.3	144.4	141.3	11	36
6"	280	215.9	192	25.4	154.1	170.7	171.4	88.9	39.6	171.4	168.3	13	40
8"	345	269.9	246	28.6	202.7	221.5	222.2	101.6	44.5	222.2	219.1	13	44
10"	405	323.8	305	30.2	254.6	276.2	277.4	101.6	49.3	277.4	273	13	49
12"	485	381	365	31.8	304.8	327	328.2	114.4	55.6	328.2	323.8	13	56
14"	535	412.8	400	35	336.6	359.2	360.2	127	57.2	360.2	355.6	13	57
16"	595	469.9	457	36.6	387.1	410.5	411.2	127	63.5	411.2	406.4	13	64
18"	635	533.4	505	39.7	438.2	461.8	462.3	139.7	68.3	462.3	457	13	68
20"	700	584.2	559	42.9	489	513.1	514.4	144.5	73.2	514.4	508	13	73
24"	815	692.2	663	47.7	590.6	616	616	152.4	82.6	616	610	13	83



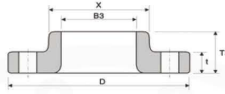
ASME B16.5 美标法兰

ASME B16.5 American standard flange

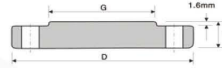
广州市金美特钢业有限公司
GUANGZHOU KINGMETAL STEEL INDUSTRY CO., LTD.



THREADED



LAP JOINT



BLIND

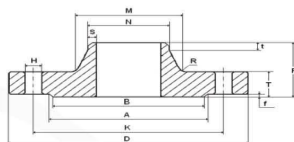
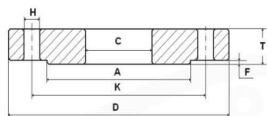
150LB													
size	Deep socket	PCD	Drilling		Bolting			Approximate weight					
			Number holes	Holes diam	Bolts inch	Bolt/L	Stub bole length		WN	SO/TH	LJ	BL	SW
	RF					RF	RJ	Kg	Kg	Kg	Kg	Kg	
1/2"	10	60.3	4	15.9	1/2	50.8	57.2	-	0.91	0.45	0.45	0.91	0.91
3/4"	11	69.9	4	15.9	1/2	50.8	63.5	-	0.91	0.68	0.68	0.91	0.91
1"	13	79.4	4	15.9	1/2	57.2	63.5	76.2	1.14	0.91	0.91	0.91	0.91
1 1/4"	14	88.9	4	15.9	1/2	57.2	69.9	82.6	1.14	1.14	1.14	1.36	1.36
1 1/2"	16	98.4	4	15.9	1/2	63.5	69.9	82.6	1.81	1.36	1.36	1.36	1.36
2"	17	120.7	4	19.1	5/8	69.9	82.6	95.3	2.72	2.18	2.27	1.82	2.27
2 1/2"	19	139.7	4	19.1	5/8	76.2	88.9	101.6	4.54	3.45	3.63	3.18	3.18
3"	21	152.4	4	19.1	5/8	76.2	88.9	101.6	5.22	4.01	4.09	4.09	3.63
3 1/2"	22	177.8	8	19.1	5/8	76.2	88.9	101.6	5.5	5	4.99	5.9	-
4"	24	190.5	8	19.1	5/8	76.2	88.9	101.6	7.49	5.63	5.45	7.72	-
5"	24	215.9	8	22.2	3/4	82.6	95.3	108	9.53	6.74	5.9	9.08	-
6"	27	241.3	8	22.2	3/4	82.6	101.6	114.3	11.8	7.9	8.17	12.26	-
8"	32	298.5	8	22.2	3/4	88.9	108	120.7	19.07	12.9	12.71	21.34	-
10"	33	362	12	25.4	7/8	101.6	114.3	127	24.52	17.6	16.34	30.42	-
12"	40	431.8	12	25.4	7/8	101.6	120.7	133.4	39.95	27.69	27.24	45	-
14"	41	476.3	12	28.6	1	114.3	133.4	146.1	51.76	37.68	34.96	63.11	-
16"	45	539.8	16	28.6	1	114.3	133.4	146.1	64.47	48.12	47.22	84.9	-
18"	49	577.9	16	31.8	1 1/8	127	146.1	158.8	74.9	49.49	66.28	98.52	-
20"	54	635	20	31.8	1 1/8	139.7	158.8	171.5	89.44	67.19	72.19	128.48	-
24"	64	749.3	20	34.9	1 1/4	152.4	171.5	184.2	121.67	92.62	88.53	188.41	-



广州市金美特钢业有限公司
GUANGZHOU KINGMETAL STEEL INDUSTRY CO., LTD.

EN1092-1 欧标法兰

EN1092-1 European standard flange

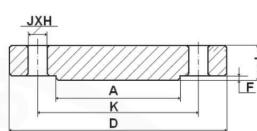
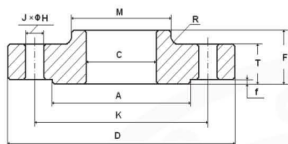


PN10													
SIZE	D	K	A	C	H	M	N	F(WN)	T	F	R	S	NO HOLE
15	95	65	45	22	14	32	21.3	38	14	2	4	2	4
20	105	75	58	27.5	14	40	26.9	40	16	2	4	2	4
25	115	85	68	34.5	14	46	33.7	40	16	2	4	2	4
32	140	100	78	43.5	18	56	42.4	42	18	2	6	2	4
40	150	110	88	49.5	18	64	48.3	45	18	3	6	2	4
50	165	125	102	61.5	18	74	60.3	45	19	3	5	2	4
65	185	145	122	77.5	18	92	76.1	45	20	3	6	2	4
80	200	160	138	90.5	18	105	88.9	50	20	3	6	3	8
100	220	180	158	116	18	131	114	52	22	3	8	3	8
125	250	210	188	141.5	18	156	140	55	22	3	8	4	8
150	285	240	212	170.5	22	184	168	55	24	3	10	4	8
200	340	295	268	221.5	22	234	219	62	24	3	10	6	8
250	395	350	320	276.5	22	292	273	68	26	3	12	6	12
300	445	400	370	327.5	22	342	324	68	26	4	12	7	12
350	505	460	430	359.5	22	385	356	68	28	4	12	7	16
400	565	515	482	411	26	440	406	72	32	4	12	7	16
450	615	565	532	462	26	488	457	72	36	4	12	7	20
500	670	620	585	513.5	26	542	508	75	38	4	12	7	20
600	780	725	685	616.5	30	642	610	82	42	5	12	8	20
700	895	840	800	-	-	746	711	85	-	-	12	8	-
800	1015	950	905	-	-	850	813	96	-	-	12	8	-
900	1115	1050	1005	-	-	950	914	99	-	-	12	12	-
1000	1230	1160	1110	-	-	1052	1016	105	-	-	16	12	-
1200	1455	1380	1330	-	-	1256	1219	132	-	-	16	12	-

EN1092-1 欧标法兰

EN1092-1 European standard flange

广州市金美特钢业有限公司
GUANGZHOU KINGMETAL STEEL INDUSTRY CO., LTD.



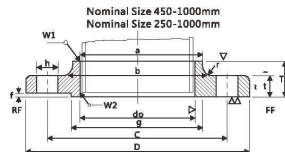
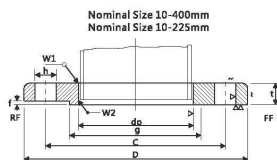
PN16													
SIZE	D	K	A	C	H	M	N	F(WN)	T	F	R	S	NO.HOLE
15	95	65	45	22	14	32	21.3	38	16	2	4	2	4
20	105	75	58	27.5	14	40	26.9	40	18	2	4	2	4
25	115	85	68	34.5	14	46	33.7	40	18	2	4	2	4
32	140	100	78	43.5	18	56	42.4	42	18	2	6	2	4
40	150	110	88	49.5	18	64	48.3	45	18	2	6	2	4
50	165	125	102	61.5	18	74	60.3	45	18	3	5	2	4
65	185	145	122	77.5	18	92	76.1	45	18	3	6	2	4
80	200	160	138	90.5	18	105	88.9	50	20	3	6	3	8
100	220	180	158	116	18	131	114	52	20	3	8	3	8
125	250	210	188	141.5	18	156	140	55	22	3	8	4	8
150	285	240	212	170.5	22	184	168	55	22	3	10	4	8
200	340	295	268	221.5	22	235	219	62	24	3	10	6	12
250	405	355	320	276.5	26	292	273	70	26	3	12	6	12
300	460	410	378	327.5	26	344	324	78	28	3	12	7	12
350	520	470	438	359	26	390	356	82	30	4	12	8	16
400	580	525	490	411	30	445	406	85	32	4	12	8	16
450	640	585	550	462	30	490	457	87	40	4	12	8	20
500	715	650	610	513.5	33	548	508	90	44	4	12	8	20
600	840	770	725	616.5	36	652	610	95	54	4	12	8	20
700	910	840	795	-	36	755	711	104	40	5	12	10	24
800	1025	950	900	-	39	855	813	108	41	-	12	12	24
900	1125	1050	1000	-	39	955	914	118	48	-	12	12	28
1000	1255	1170	1115	-	42	1058	1016	137	59	-	16	12	28
1200	1485	1390	1330	-	48	1262	1219	160	78	-	16	14	32



广州市金美特钢业有限公司
GUANGZHOU KINGMETAL STEEL INDUSTRY CO., LTD.

JIS B2220 日标法兰

JIS B2220 Japanese standard flange

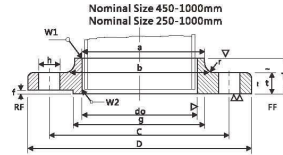
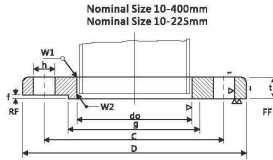


日标法兰5K KS B 1503/JIS B 2220

Nomina Pipe Size	Outside Dia: of Applicable Pipe	Inside Dia: of Flange	outside Dia. of Flange	Sectional Dimensons of Flange								Drilling		Nominal Bolt Size	Welding		
				t	T	Dia. of Hub		Radi sus	Raised face	Dia. of Raised Face	Dia. of Bolt Circle	Number of Bolt Holes	Holes Dia.		Sop	Bl	Soh
						a	b										
(10)	17.3	17.8	90	12	-	-	-	-	1	46	65	4	15	M12	0.52	0.54	-
15	21.7	22.2	95	12	-	-	-	-	1	51	70	4	15	M12	0.57	0.61	-
20	27.2	27.7	100	14	-	-	-	-	1	56	75	4	15	M12	0.73	0.79	-
25	34.0	34.0	125	14	-	-	-	-	12	67	90	4	19	M16	1.13	1.24	-
32	42.7	42.3	135	16	-	-	-	-	2	76	100	4	19	M16	1.48	1.66	-
40	48.6	49.1	140	16	-	-	-	-	2	81	105	4	19	M16	1.56	1.81	-
50	60.5	61.1	155	16	-	-	-	-	2	86	120	4	19	M16	1.88	2.23	-
65	76.3	77.1	175	18	-	-	-	-	2	116	140	4	19	M16	2.60	3.3	-
80	89.1	90.0	185	18	-	-	-	-	22	126	150	8	19	M16	2.61	3.5	-
(90)	101.6	102.6	195	18	-	-	-	-	2	136	160	8	19	M16	2.76	4.0	-
100	114.3	115.4	210	18	-	-	-	-	2	151	175	8	19	M16	3.14	4.6	-
125	139.8	141.2	250	20	-	-	-	-	2	182	210	8	23	M20	4.77	7.3	-
150	165.2	166.6	280	22	-	-	-	-	2	212	240	8	23	M20	6.34	10.1	-
(175)	190.7	192.1	305	22	-	-	-	-	2	237	265	12	23	M20	6.82	11.8	-
200	216.3	218.0	330	22	-	-	-	-	2	262	290	12	23	M20	7.53	14.0	-
(225)	241.8	243.7	350	22	-	-	-	-	2	282	310	12	23	M20	7.74	15.8	-
250	267.4	269.5	400	24	36	288	29	6	2	324	355	12	25	M22	11.8	22.7	12.7
300	318.5	321.0	445	24	38	340	346	6	3	368	400	16	25	M22	12.7	27.8	13.8
350	355.6	358.1	490	26	42	380	386	6	3	413	445	16	25	M22	16.4	37.1	18.2
400	406.4	409.0	560	28	44	436	442	6	3	475	510	16	27	M24	23.0	52.5	25.2
450	457.2	460.0	620	30	48	496	502	6	3	530	565	20	27	M24	29.5	68.8	33.0
500	508.0	511.0	675	30	48	548	554	6	3	585	620	20	27	M24	33.5	82.1	37.6
(550)	588.8	562.0	745	32	52	604	610	6	3	640	680	20	33	M24	43.1	105.8	49.7
600	609.6	613.0	795	32	52	656	662	6	3	690	730	24	33	M30	45.7	120.2	52.6
650	660.4	664.0	845	34	56	706	712	6	3	740	780	24	33	M30	52.1	145.0	60.6
700	711.2	715.0	905	34	58	762	770	6	3	800	840	24	33	M30	59.5	167.2	70.6
750	762.0	766.0	970	36	62	816	824	6	3	855	900	24	33	M30	73.2	204.2	85.8
800	812.8	817.0	1020	36	64	868	876	6	3	905	950	28	33	M30	76.4	225.4	91.2
(850)	863.6	868.0	1070	36	66	920	928	6	3	955	1000	28	33	M30	80.7	248.8	98.6
900	914.4	919.0	1120	38	70	979	979	6	3	1005	1050	28	33	M30	89.4	288.4	109.0
1000	1016.0	1021	1235	40	74	1073	1081	6	3	1110	1160	28	39	M36	109.2	367.7	133.0
★(1100)	1117.6	1123	1345	42	76	-	-	-	3	1220	1270	28	39	M36	131.6	460.0	-
★1200	1219.2	1225	1465	44	78	-	-	-	3	1325	1380	32	39	M36	163.5	572.2	-
★1350	1371.6	-	1630	48	82	-	-	-	3	1480	1540	36	45	M42	204.7	769.0	-
★1500	1524.0	-	1795	50	90	-	-	-	3	1635	1700	40	45	M42	250.2	974.9	-

JIS B2220 日标法兰

JIS B2220 Japanese standard flange



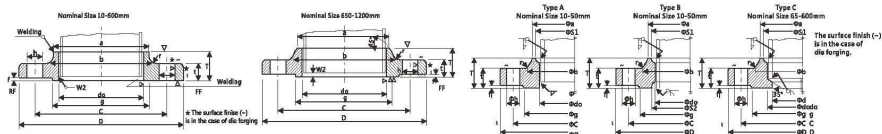
日标法兰10K KS B 1503/JIS B 2220

Nomina Pipe Size	Outside Dia. of Applicable Pipe	Inside Dia. of Flange	outside Dia. of Flange	Sectional Dimensions of Flange									Drilling		Nominal Bolt Size	Welding		
				t	T	Dia. of Hub		Radi us	Raised face	Dia. of Raised Face	Dia. of Bolt Circle	Number of Bolt Holes	Holes Dia.	Sop		Bl	Soh	
						a	b											r
		do	D										h					
(10)	17.3	17.8	75	9	-	-	-	-	1	39	55	4	12	M10	0.27	0.3	-	
15	21.7	22.2	80	9	-	-	-	-	1	44	60	4	12	M10	0.30	0.4	-	
(20)	27.2	27.7	85	10	-	-	-	-	1	49	65	4	12	M10	0.37	0.5	-	
25	34.0	34.5	95	10	-	-	-	-	1	59	75	4	12	M10	0.45	0.6	-	
(32)	42.7	43.2	115	12	-	-	-	-	2	70	90	4	15	M12	0.78	0.9	-	
40	48.6	49.1	120	12	-	-	-	-	2	75	95	4	15	M12	0.83	1.0	-	
50	60.5	61.1	130	14	-	-	-	-	2	85	105	4	15	M12	1.07	1.4	-	
65	76.3	77.1	155	14	-	-	-	-	2	110	130	4	15	M12	1.49	2.0	-	
80	89.1	90.0	180	14	-	-	-	-	2	121	145	4	19	M16	1.99	2.7	-	
(90)	101.6	10.2	190	14	-	-	-	-	2	131	155	4	19	M16	2.09	3.0	-	
100	114.3	115.4	200	16	-	-	-	-	2	141	165	8	19	M16	2.39	3.7	-	
125	139.8	141.2	235	16	-	-	-	-	2	176	200	8	19	M16	3.23	5.2	-	
150	165.2	166.6	265	18	-	-	-	-	2	206	230	8	19	M16	4.41	7.5	-	
(175)	190.7	192.1	300	18	-	-	-	-	2	232	260	8	23	M20	5.51	9.5	-	
200	216.3	218.0	320	20	-	-	-	-	2	252	280	8	23	M20	6.33	12.2	-	
(225)	241.8	243.7	345	20	-	-	-	-	2	277	305	12	23	M20	6.64	14.0	-	
250	267.4	269.5	385	22	-	-	-	-	2	317	345	12	23	M20	9.45	19.3	-	
300	318.5	321.0	430	22	-	-	-	-	3	360	390	12	23	M20	10.3	24.3	-	
350	355.6	358.1	480	24	-	-	-	-	3	403	435	12	25	M22	14.0	33.2	-	
400	406.4	409.0	540	24	-	-	-	-	3	463	495	16	25	M22	16.9	41.9	-	
450	457.2	460.0	605	24	-	-	-	-	3	523	555	16	25	M22	21.6	53.0	-	
500	508.0	511.0	655	24	40	495	500	5	3	573	605	20	25	M22	23.1	61.9	24.8	
550	558.8	562.0	720	26	40	546	552	5	3	630	665	20	27	M24	30.3	81.2	26.9	
600	609.6	613.0	770	26	42	597	603	5	3	680	715	20	27	M24	32.7	93.2	34.1	
650	660.4	664.0	825	26	44	648	654	5	3	735	770	24	27	M24	35.9	106.9	37.5	
700	711.2	715.0	875	26	48	702	708	5	3	785	820	24	27	M24	38.2	120.6	42.8	
750	762.0	766.0	945	28	48	751	758	5	3	840	880	24	33	M30	48.7	150.5	45.4	
800	812.8	817.0	995	28	52	802	810	5	3	890	930	24	33	M30	51.2	167.4	57.4	
850	863.6	868.0	1045	28	52	854	862	55	3	940	980	24	33	M30	54.4	185.1	60.8	
900	914.4	919.0	1095	30	54	904	912	5	3	990	1030	24	33	M30	61.1	218.1	63.5	
1000	1016.0	1021.0	1195	32	56	956	964	5	3	1090	1130	28	33	M30	70.5	277.3	75.3	
★(1100)	1117.6	1123	1305	32	60	1058	1066	5	3	1200	1240	28	33	M30	87.7	331.9	88.5	
★1200	1219.2	1125	1420	34	-	-	-	-	3	1305	1350	32	33	M30	102.0	417.8	-	
★1350	1371.6	-	1575	34	-	-	-	-	3	1460	1505	32	33	M30	115.9	515.6	-	
★1500	1524.0	-	1730	36	-	-	-	-	3	1615	1660	36	33	M30	157.4	659.2	-	

(1) Flanges of parenthesized nominal diameter had letter not be use

(2) The facing of flanges shall conform to KS B 15.19 (JIS B2202) 1

(3) Nominal diameter over 1 000 is manufacturer's standard (★).



日标法兰 16K KS B 1503/JIS B 2220 Unit:mm

Nominal Pipe Size	Outside Dia. of Applicable Pipe	Inside Dia. of Flange	Outside Dia. of Flange	Sectional Dimensions of Flange							Drilling			Welding					
								Radius	Raised Face	Dia. of Raised Face	Dia. of Bolt Circle	Number of Bolt Holes	Holes Dia.	Nominal Bolt Size					
						t	T								Dia. of Hub		Sop	Bl	Soh
				do	D										a	b			
10	17.3	17.8	90	12	16	26	28	4	1	46	65	4	15	M12	0.52	0.54	0.52		
15	21.7	22.2	95	12	16	30	32	4	1	51	70	4	15	M12	0.57	0.61	0.58		
20	27.2	27.7	100	14	20	38	42	4	1	56	75	4	15	M12	0.73	0.79	0.75		
25	34.0	34.5	125	14	20	46	50	4	1	67	90	4	19	M16	1.13	1.24	1.16		
32	42.7	43.2	135	16	22	56	60	5	2	76	100	4	19	M16	1.48	1.66	1.53		
40	48.6	49.1	140	16	24	62	66	5	2	81	105	4	19	M16	1.56	1.81	1.64		
50	60.5	61.1	155	16	24	76	80	5	2	96	120	8	19	M16	1.8	2.3	1.83		
65	76.3	77.1	175	18	26	94	98	5	2	116	140	8	19	M16	2.5	3.1	2.58		
80	89.1	90.0	200	20	28	108	112	6	2	132	160	8	23	M20	3.5	4.5	3.66		
(90)	101.6	102.6	210	20	30	120	124	6	2	145	170	8	23	M20	3.7	5.0	3.95		
100	114.3	115.4	225	22	34	134	138	6	2	160	185	8	23	M20	4.5	6.3	4.84		
125	139.8	141.2	270	22	34	164	170	6	2	195	225	8	25	M22	6.5	9.2	7.00		
150	165.2	166.6	305	24	38	196	202	6	2	230	260	12	25	M22	8.7	12.8	9.62		
200	216.3	218.0	350	26	40	244	252	6	2	375	305	12	25	M22	10.9	18.6	12.1		
250	267.4	269.5	430	28	44	304	312	6	2	345	380	12	27	M24	18.0	30.6	20.0		
300	318.5	321.0	480	30	48	354	364	8	3	395	430	16	27	M24	21.5	40.7	24.4		
350	355.6	358.1	540	34	52	398	408	8	3	440	480	16	33	M30X3	30.8	57.8	35.0		
400	406.4	409.0	605	38	60	448	456	10	3	495	540	16	33	M30X3	42.8	82.2	46.2		
450	457.2	460.0	675	40	64	504	514	10	3	560	605	20	33	M30X3	55.1	107.6	61.9		
500	508.0	511.0	730	42	68	558	568	10	3	615	660	20	33	M30X3	65.1	133.1	73.25		
(550)	558.8	562.0	795	44	70	612	622	10	3	670	720	20	39	M36X3	77.9	164.1	88.1		
600	609.6	613.0	845	46	74	666	676	10	3	720	770	24	39	M36X3	86.0	193.2	98.8		
650	660.4	664.0	895	48	77	704	726	10	5	770	820	24	39	M36X3	96.3	227.5	101		
700	711.2	715.0	960	50	80	754	776	10	5	820	875	24	42	M39X3	114.1	272.5	120		
750	762.0	766.0	1020	52	83	806	832	10	5	880	935	24	42	M39X3	132.7	321.9	141		
800	812.8	817.0	1085	54	86	865	885	10	5	930	990	24	48	M45X3	152.1	375.6	161		
(850)	863.6	868.0	1135	56	89	916	936	10	5	980	1040	24	48	M45X3	166.5	428.1	177		
900	914.4	919.0	1185	58	93	968	986	10	5	1030	1090	28	48	M45X3	178.1	481.1	191		
1000	1016.0	1021.0	1320	62	99	1070	1098	12	5	1140	1210	28	56	M52X3	235.3	635.0	230		
(1100)	1117.6	1123	1420	66	105	1180	1200	12	5	1240	1310	32	56	M52X3	257.9	784.0	289		
1200	1219.2	1225	1530	70	112	1282	1302	12	5	1350	1420	32	56	M52X3	321.1	972.4	348.0		
1300	1320.6	1326.0	1645	74	-	-	-	-	5	1450	1530	32	62		378.6	1185.2	-		
1350	1371.6	1377.0	1700	76	-	-	-	-	5	1510	1590	32	62		410.0	1303.8	-		
1400	1422.4	1428.0	1755	78	-	-	-	-	5	1560	1640	36	62		436.0	1422.5	-		
1500	1524.0	1529.0	1865	80	-	-	-	-	5	1670	1750	36	62		496.4	1656.6	-		

(1) Flanges of parenthesized nominal diameter had letter not be used.

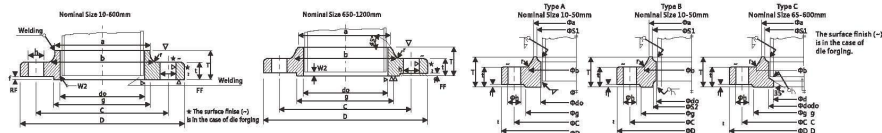
(2) The facing of flanges shall conform to KS B 15.19 (JIS B2202) 1984.

(3) The dimension of flange of 650A and larger in nominal sizes excluding 850A, are in accordance with the nominal pressure 25 BAR specified in ISO2084-1974.

JIS B2220 日标法兰

JIS B2220 Japanese standard flange

广州市金美特钢业有限公司
GUANGZHOU KINGMETAL STEEL INDUSTRY CO., LTD.



日标法兰 20K KS B 1503/JIS B 2220 Unit:mm

Nominal Pipe Size	Outside Dia. of Applicable Pipe	Sectional Dimensions of Flange												Drilling								Welding		
		Inside Dia. of Flange		Outside Dia. of Flange								Dia. of Hub		Radi- sus	Raised Face	Dia. of Raised Face	Dia. of Bolt Circle	Number of Bolt Holes	Holes Dia.	Nominal Bolt Size		Sop	Bl	Soh
		do	D	t	T	a	b	r	f	g	C	h												
10	17.3	17.8	90	14	20	30	32	4	1	46	-	65	4	15	M12	27	4	27	4	-	0.5	0.6	0.59	
15	21.7	22.2	95	14	20	34	36	4	1	51	-	70	4	15	M12	31	4	31	4	-	0.7	0.7	0.65	
20	27.2	27.7	100	16	22	40	42	4	1	56	-	75	4	15	M12	37	4	37	4	-	0.8	0.9	0.81	
25	34.0	34.5	125	16	24	48	50	4	1	67	-	90	4	19	M16	44	4	44	4.5	-	1.3	1.5	1.29	
32	42.7	43.2	135	18	26	56	60	5	2	76	-	100	4	19	M16	52	4	53	5	-	1.6	1.8	1.60	
40	48.6	49.1	140	18	26	62	66	5	2	81	-	105	4	19	M16	58	4	59	5.5	-	1.7	2.0	1.69	
50	60.5	61.1	155	18	26	76	80	5	2	96	-	120	8	19	M16	70	4	72	5.5	-	1.9	2.4	1.89	
65	76.3	77.1	175	20	30	100	104	5	2	116	65.9	140	8	19	M16	94	6	85	6	6	2.6	3.4	2.81	
80	89.1	90.0	200	22	34	113	117	6	2	132	78.1	160	8	23	M20	107	6	-	-	6	3.8	4.9	3.93	
(90)	101.6	102.6	210	24	36	126	130	6	2	145	90.2	170	8	23	M20	120	6	-	-	6	4.4	6.0	4.56	
100	114.3	115.4	225	24	36	138	142	6	2	160	102.3	185	8	23	M20	132	6	-	-	6	4.9	6.9	5.18	
125	139.8	141.2	270	26	40	166	172	6	2	195	126.6	225	8	23	M20	160	7	-	-	6	7.8	11.0	8.30	
150	165.2	166.6	305	28	42	196	202	6	2	230	151.0	260	12	25	M22	186	8	-	-	6	10.1	14.9	10.6	
200	216.3	218.0	350	30	46	244	252	6	2	275	199.9	305	12	25	M22	237	9	-	-	6	12.5	21.4	13.3	
250	267.4	269.5	430	34	52	304	312	6	2	345	248.8	380	12	27	M22	290	10	-	-	6	21.9	37.2	23.4	
300	318.5	321.0	480	36	56	354	364	8	3	395	297.9	430	16	27	M24	345	11	-	-	6	25.8	48.8	28.1	
350	355.6	358.1	540	40	62	398	408	8	3	440	333.4	480	16	33	M30x3	384	12	-	-	6	35.2	68.0	39.2	
400	406.4	409.0	605	46	70	446	456	10	3	495	381.0	540	16	33	M30x3	437	13	-	-	7	51.7	99.4	55.6	
450	457.2	460.0	675	48	78	504	514	10	3	560	431.8	605	20	33	M30x3	490	15	-	-	7	66.1	129.1	72.9	
500	508.0	511.0	730	50	84	558	568	10	3	615	482.6	660	20	33	M30x3	544	16	-	-	7	77.4	158.4	86.7	
(550)	558.8	562.0	795	52	90	612	622	10	3	670	533.4	720	20	33	M36x3	595	16	-	-	7	92.2	194.0	105	
600	609.6	613.0	845	54	95	666	676	10	3	720	584.2	770	24	39	M36x3	646	18	-	-	7	101.1	226.9	119	
650	660.4	664.0	945	60	-	-	-	5	790	-	850	24	48	M45x3	-	-	-	-	-	-	147.5	311.6	-	
700	711.2	715.0	995	64	-	-	-	5	840	-	900	24	48	M45x3	-	-	-	-	-	-	168.0	370.9	-	
750	762.0	766.0	1080	68	-	-	-	5	900	-	970	24	56	M52x3	-	-	-	-	-	-	212.7	460.0	-	
800	812.8	817.0	1140	72	-	-	-	5	960	-	1030	24	56	M52x3	-	-	-	-	-	-	248.5	545.5	-	
(850)	863.6	868.0	1200	74	-	-	-	5	1020	-	1090	24	56	M52x3	-	-	-	-	-	-	280.5	696.2	-	
900	914.4	919.0	1250	76	-	-	-	5	1070	-	1140	28	56	M52x3	-	-	-	-	-	-	295.9	694.9	-	

(1) Flanges of parenthesized nominal diameter had letter not be used.

(2) "C" is an example of pipe thickness for schedule 40 for nominal diameter 400 and under, and for schedule 12.7 mm for 450 through 600 of KS B 3562 and KS D3507 (JIS G3454, JIS G3456)

(3) The dimension of the notch (m, n, s1, s2) for welding can be decided between concerned parties

(4) Nominal diameter over 600 is manufacturer's standard.

金美
KING M

Authorized Distributor



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