



盐山惠霖管道设备有限公司
Yangshan Hui Lin Pipe Equipment Co.,Ltd

Tel: 0317-6086867

Fax: 0317-6086811

E-mail: pipefitter@163.com

huilinpip@gmail.com

Web: www.huilinpip.com



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公司简介

盐山惠霖管道设备有限公司是一家专业的管道及管道配件提供商。为客户提供工业钢管，工业管件，管法兰等中高压管道系统产品。自公司成立以来，已为电力，石化，化工，造纸，锅炉，供热，水务等行业提供了可靠产品与优质服务，并深得众多客户信赖。

惠霖公司产品涵盖碳钢，不锈钢，合金管等金属材料，并可依据ASME，DIN，JIS，GB，SH，DL，SY，CB等标准生产，非标产品可按客户要求定制。我们支持客户申请我公司的产品样品与技术资料，并为客户提供最全面的技术服务和完整地解决方案，以期望客户得到最理想的合作体验。

作为专业管道及管道配件供应商，惠霖公司在各个环节均严格依照ISO9001-2000质量管理体系，使用行业最先进的技术与设备来保证产品的可靠性，不断改进和优化生产与服务流程，持续的为客户创造更多价值。

我们将凭借多年的技术积累与客户服务经验，秉承顾客至上，技术领先，追求卓越的精神，在与客户的合作过程中，分享全新的技术和产品，共同成长和进步。

INTRODUCTION

YanShan HuiLin Pipe Manufacturing Co. Ltd. Is a professional production. Processing and marketing all kinds of steel pipes and pipe fittings scale enterprises.

Our company has solid technical foundation and also has rich experience. Now our company occupies 60,000 square meters, Has more than 200 employees, Its annual output of various kinds of steel products is about 80,000 tons. Its products are exported to the Middle East, Europe, Africa, America and other countries, which are widely used in oil exploit, chemical industry, water conservancy, architecture and other fields.

My company's products mainly have two series:

Steel pipe Series: seamless steel pipe、straight seam steel pipe、spiral steel pipe、galvanized steel pipe;

Pipe fittings: elbow、flange、tee、reducer and so on.

Product implementation of standards: GB、ASME、DIN、JIS、EN、BS、NF、GOST、ISO and so on.

Materials: Carbon steel、Alloy steel、Stainless steel and so on.

There is a strict backward system of product identification from raw material purchasing, producing, testing or packing. And company strictly enforces the ISO9001 quality management system.

Looking into the future, we will continually adhere to the running purposes "to concentrate on quality, to win in the sincerity", and will be determined to make a better future for international clients by high-quality products, reasonable prices and good service.

If you still have any question, please don't hesitate to contact with us at any moment. We are looking forward to your cooperation



企业资质



目录

CONTENTS

中文简介Chinese Introduction.....	01
英文简介English Introduction.....	02
资质Qualification.....	03
目录Contents.....	04
对焊管件 butt-welding pipe fittings ...	05-11
弯头 Butt weld elbows.....	06
三通 Butt weld tee.....	07
异径管 Butt weld reducer.....	08
管帽 Butt weld cap.....	09
翻边 Butt weld lap joint stub end.....	10
弯管 Butt weld bend.....	11
承插与螺纹 Socket weld and Forged ...	12-22
承插三通, 弯头 Socket weld elbow tee.....	13
Y式三通 Socket lateral.....	14
承插变径接头 Socket weld nipple.....	15
锻制接管座 Forged outlet.....	16
螺纹弯头三通 Forged threaded elbows tee.....	17
螺纹管箍管帽 Forged threaded couplings caps.....	18
螺纹短节 Forged nipples.....	19
六角双丝头 Forged hexagon nipples.....	20
管塞堵头 Forged threaded plugs.....	21
活接头 Forged union socket weld and threaded.....	22
支管台 boss	23-29
承插支管台 Sockolet.....	24
短管支管台 Nipolet.....	25
对焊支管台 Weldolet.....	26
螺纹支管台 Thredolet.....	27
弯头支管台 Elbolet.....	28
斜接支管台 Latrolet.....	29

法兰 flange	30-36
日标法兰 Japanese standard Series.....	31
德标法兰 German standard Series.....	32
美标法兰 American standard Series.....	33
国标法兰 Antional standard Series.....	34
盲板 Blind flange.....	35
八字盲板 Spectacle blind.....	36
配件 Fittings	37-41
绝缘接头 insulating joint.....	38
波纹补偿器 Metallic Expansion Joint.....	39
金属软管 metal hose.....	40
橡胶接头 Rubber Expansion Joint.....	41
钢管贸易业务 Steel Business Trade	42-43
产品范围简介Product range profile.....	43
技术 TECHNICAL SPECIFICATION	44-50
法兰工艺Flange Production Flow Chart.....	45
管件工艺Pipe Fittings Flow Chart.....	46
产品标准Product Implementation Of Standards.....	47
中外材料 1 Materials 1.....	48
中外材料 2 Materials 2.....	49
壁厚等级表Wall Thickness Rating Table.....	50



对焊管件篇

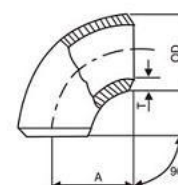
butt-welding pipe fittings

<http://www.huilinpipe.com>

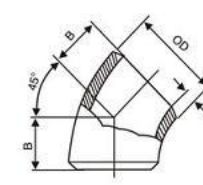
钢制无缝对焊管件，钢板制对焊管件，材质包括：碳钢，不锈钢，合金钢。
执行标准为：ASME JIS DIN GB SH DL SY HG。

类型Types:

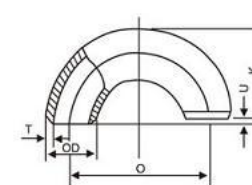
45°、90°、180° 弯头，R=1D R=1.5D



45° BW Elbows



90° BW Elbows



180° BW Elbows



ASME, JIS, DIN, GB, SH, HG, SY

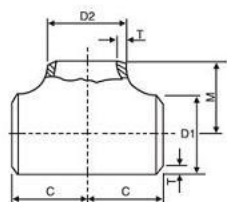
Nominal Pipe Size		Center to End			Center to Center		Back to face	
		45° Elbows	90° Elbows		180° Elbows			
		B	A		O		U	
DN	NPS	Long Radius	Long Radius	Short Radius	Long Radius	Short Radius	Long Radius	Short Radius
15	1/2	16	38	--	76	--	48	--
20	3/4	16	38	--	76	--	51	--
25	1	16	38	25	76	51	56	41
32	1 1/4	20	48	32	95	64	70	52
40	1 1/2	24	57	38	114	76	83	62
50	2	32	76	51	152	102	106	81
65	2 1/2	40	95	64	191	127	132	100
80	3	47	114	76	229	152	159	121
90	3 1/2	55	133	89	167	178	184	140
100	4	63	152	102	305	203	210	159
125	5	79	179	127	381	254	262	197
150	6	95	229	152	457	305	313	237
200	8	126	305	203	610	406	414	313
250	10	158	381	254	762	508	518	391
300	12	189	457	305	914	610	619	467
350	14	221	533	356	1067	711	711	533
400	16	253	610	406	1219	813	813	610
450	18	284	686	457	1375	914	914	686
500	20	316	762	508	1524	1016	1016	762
550	22	347	838	559	1676	1118	1118	838
600	24	379	914	610	1829	1219	1219	914
650	26	410	991	660	---	---	---	---
700	28	442	1067	711	45° Long radius elbow 90° Long radius elbow 90° Long radius elbow Long radius reducing blbow Short radius sharp return			
750	30	473	1143	762				
800	32	505	1219	813				
850	34	537	1295	864				
900	36	567	1372	914				
950	38	600	1448	965				
1000	40	640	1524	1016				
1050	42	672	1600	1067				
1100	44	704	1676	1118				
1150	46	736	1753	1168				
1200	48	768	1829	1219				
1300	52	844	1961	1321				
1400	56	912	2134	1420				
1500	60	980	2286	1524				
1600	64	1048	2438	1620				
1700	68	1116	2591	1727				
1800	72	1184	2743	1829				
1900	76	1252	2896	1930				
2000	80	1320	3048	2032				

三通

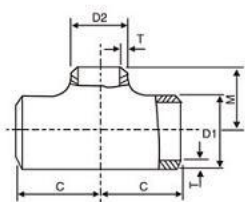
Butt Weld Tee

碳钢三通/四通，合金钢三通/四通，不锈钢三通/四通，等径三通、异径三通、无缝三通、对焊三通，中低压三通、高压三通、四通等。

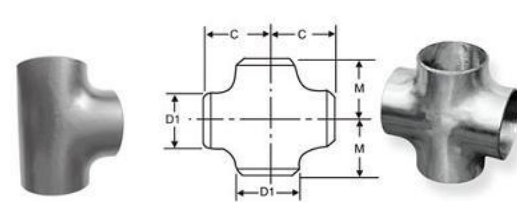
Straight tee, Reducing tee, Side out let tee, Base tee, 45° lateral tee, Cross, Carbon Tee&Cross, Stainless Tee&Cross, Alloy Tee&Cross



straight tee



Reducing Tee



Cross

Nominal Pipe Size		Cneter to End	
DN	NPS	C	M
15	1/2	25	25
20	3/4	29	29
20 x 15	3/4 x 1/2		29
25	1	48	48
25 x 15-20	1 x 1/2-3/4		48
32	1 1/4	48	48
32 x 15-25	1 1/4 x 1/2-1		48
40	1 1/2	57	57
40 x 15-32	1 1/2 x 1/2-1 1/4		57
50	2	64	64
50 x 20-40	2 x 3/4-1 1/2		44-60
65	2 1/2	76	76
65 x 25-50	2 1/2 x 1-2		58-70
80	3	86	86
80 x 32-65	3 x 1 1/4-2 1/2		70-83
90	3 1/2	95	95
90 x 40-80	3 1/2 x 1 1/2-3		79-92
100	4	105	105
100 x 40-80	4 x 1 1/2-3		86-98
125	5	124	124
125 x 50-100	5 x 2-4		105-117
150	6	143	143
150 x 65-125	6 x 2 1/2-5		121-137
200	8	178	178
200 x 80-150	8 x 3-9		152-168
250	10	216	216
250 x 100-200	10 x 4-8		184-203
300	12	254	254
300 x 125-250	12 x 5-10		216-241
350	14	279	279
350 x 150-300	14 x 6-12		238-270
400	16	305	305
400 x 150-350	16 x 6-14		264-305
450	18	343	343
450 x 200-400	18 x 8-16		298-330
500	20	381	381
500 x 200-450	20 x 8-18		324-368

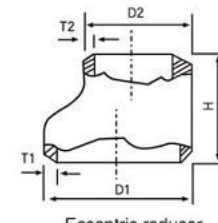
Nominal Pipe Size		Cneter to End	
DN	NPS	C	M
550	22	419	419
550 x 250-500	22 x 10-20		359-406
600	24	432	432
600 x 250-550	24 x 10-22		384-432
650	26	495	495
650 x 300-600	26 x 12-24		432-483
700	28	521	521
700 x 300-650	28 x 12-26		448-521
750	30	559	559
750 x 250-700	30 x 10-28		460-546
800	32	597	597
800 x 350-750	32 x 14-30		508-584
850	34	635	635
850 x 400-800	34 x 16-32		533-622
900	36	673	673
900 x 400-850	36 x 16-34		559-660
950	38	711	711
950 x 450-900	38 x 18-36		597-711
1000	40	749	749
1000 x 150-950	40 x 18-38		622-749
1050	42	762	762
1050 x 400-1000	42 x 16-40		635-711
1100	44	813	762
1100 x 500-1050	44 x 20-42		686-762
1150	46	851	800
1150 x 550-1100	46 x 22-44		724-800
1200	48	889	838
1200 x 550-1150	48 x 22-46		737-838
1300	52	965	914
1300 x 1000-1200	52 x 40-48		762-864
1400	56	1041	965
1400 x 1100-1300	56 x 40-48		813-914
1500	60	1118	1016
1500 x 1200-1400	60 x 48-56		864-965

异径管

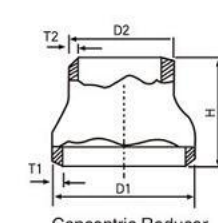
Butt Weld Reducer

同心异径管，偏心异径管；碳钢异径管，合金钢异径管，不锈钢异径管。

Concentric Reducer, Eccentricity Reducer Carbon Reducer, Stainless Reducer, Alloy Reducer.



Eccentric reducer



Concentric Reducer



SME B16.9, JIS B2311, JIS B2312, JIS B2313, GB 12459, GB/T 13401, SH 3408, SH3409, HG/T21635, HG/T21631, SY/T 0510

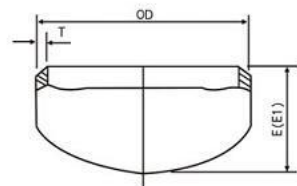
Nominal Pipe Size		End to End	Nominal Pipe Size		End to End
DN	NPS	H	DN	NPS	H
20 x 15	3/4 x 1/2	38	150 x 125	6 x 5	140
20 x 10	3/4 x 3/8		150 x 100	6 x 4	
25 x 20	1 x 3/4		150 x 90	6 x 3 1/2	
25 x 15	1 x 1/2		150 x 80	6 x 3	
32 x 25	1 1/4 x 1	51	150 x 65	6 x 2 1/2	152
32 x 20	1 1/4 x 3/4		200 x 150	8 x 6	
32 x 15	1 1/4 x 1/2		200 x 125	8 x 5	
40 x 32	1 1/2 x 1 1/4		200 x 100	8 x 4	
40 x 25	1 1/2 x 1	64	200 x 90	8 x 3 1/2	178
40 x 20	1 1/2 x 3/4		200 x 80	8 x 3	
40 x 15	1 1/2 x 1/2		250 x 200	10 x 8	
50 x 40	2 x 1 1/2		250 x 150	10 x 6	
50 x 32	2 x 1 1/2	76	250 x 125	10 x 5	203
50 x 20	2 x 1		250 x 100	10 x 4	
50 x 20	2 x 3/4		300 x 250	10 x 10	
65 x 50	2 1/2 x 2		300 x 200	10 x 8	330
65 x 40	2 1/2 x 1 1/2	89	300 x 150	10 x 6	
65 x 32	2 1/2 x 1 1/4		350 x 300	10 x 5	
65 x 25	2 1/2 x 1		350 x 300	14 x 12	
80 x 65	3 x 2 1/2	89	350 x 250	14 x 10	356
80 x 50	3 x 2		350 x 200	14 x 8	
80 x 40	3 x 1 1/2		350 x 150	14 x 6	
80 x 32	3 x 1 1/4		400 x 350	16 x 14	381
90 x 80	3 1/2 x 3	102	400 x 300	16 x 12	
90 x 65	3 1/2 x 2 1/2		400 x 250	16 x 10	
90 x 50	3 1/2 x 2		400 x 200	16 x 8	
90 x 40	3 1/2 x 1 1/2		450 x 400	18 x 16	508
90 x 32	3 1/2 x 1 1/4	102	450 x 350	18 x 14	
100 x 90	4 x 3 1/2		450 x 300	18 x 12	
100 x 80	4 x 3		450 x 250	18 x 10	
100 x 65	4 x 2 1/2	127	500 x 450	20 x 18	508
100 x 50	4 x 2		500 x 400	20 x 15	
100 x 40	4 x 1 1/2		500 x 350	20 x 14	
125 x 100	5 x 4		500 x 300	20 x 12	
125 x 80	5 x 3 1/2	127	550 x 500	22 x 20	508
125 x 65	5 x 3		550 x 450	22 x 18	
125 x 50	5 x 2 1/2		550 x 400	22 x 15	
125 x 40	5 x 2		550 x 350	22 x 14	

管帽

Butt Weld Cap

管帽,封头: 碳钢管帽&封头, 合金管帽&封头, 不锈钢管帽&封头。

Cap, plug; Carbon Cap, Stainless Cap, Alloy Cap.



BW Cap

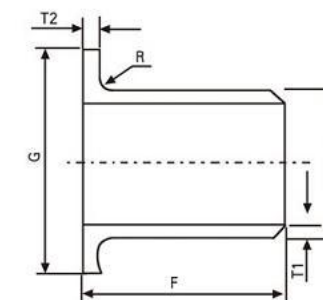
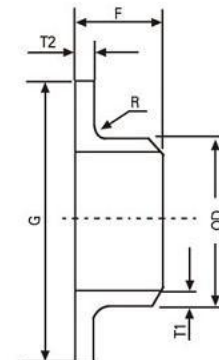
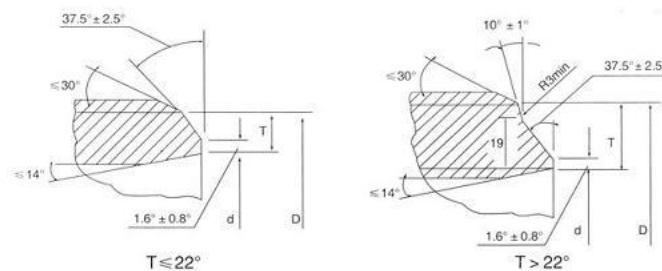
ASMW B16.9、GB 12459、GB/T 1340 1、SH 3408、SH 3409、HG/T21635、SY/T 0510

Nominal Pipe Size		Length		Limiting Wall Thickness for length
DN	NPS	E	E1	
15	1/2	25	25	3.37
20	3/4	25	25	3.91
25	1	38	38	4.55
32	1 1/4	38	38	4.85
40	1 1/2	38	38	5.08
50	2	38	44	5.54
65	2 1/2	38	51	7.01
80	3	51	64	7.62
90	3	64	76	8.08
100	4	64	76	8.56
125	5	76	89	9.53
150	6	89	102	10.97
200	8	102	127	12.7
250	10	127	152	12.7
300	12	152	178	12.7
350	14	165	191	12.7
400	16	178	203	12.7

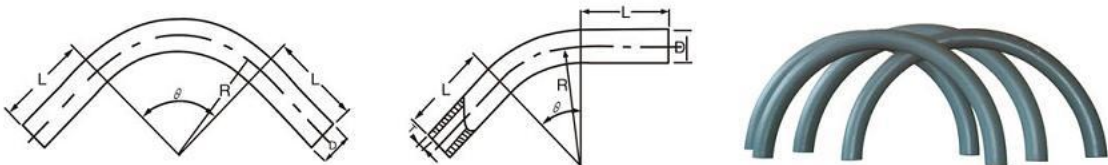
Nominal Pipe Size		Length		Limiting Wall Thickness for length
DN	NPS	E	DN	
450	18	203	229	12.7
500	20	229	254	12.7
550	22	254	254	12.7
600	24	267	305	12.7
650	26	267		
700	28	267		
750	30	267		
800	32	267		
850	34	267		
900	36	267		
950	38	305		
1000	40	305		
1050	42	305		
1100	44	343		
1150	46	343		
1200	48	343		

Length E applies for the thickness not exceeding the Limiting Wall Thickness.
Length E1 applies for the thickness exceeding the Limiting Wall Thickness.
The form of the cap is normatively elliptic.
The length of half elliptic shall not be less than 1/4 inside diameter of cap.

EndBevel of Butt-Welding Fittings



公称通径 Nominal Diameter		短节外径 Outside Diameter	接管长度F Length		搭接外径 Diameter of Lap Nominal&Maximum	圆角半径 R	
DN	NPS	OD	长型LP	短型SP	G	AMax	BMax
15	1/2	21.3	76	51	35	3	0.75
20	3/4	26.7	76	51	43	3	0.75
25	1	33.4	102	51	51	3	0.75
32	1 1/4	42.4	102	51	64	5	0.75
40	1 1/2	48.3	102	51	73	6	0.75
50	2	60.3	152	64	92	8	0.75
65	2 1/2	73.0	152	64	105	8	0.75
80	3	88.9	152	64	127	10	0.75
90	3 1/2	101.6	152	76	140	10	0.75
100	4	114.3	152	76	157	11	0.75
125	5	141.3	203	76	186	11	1.5
150	6	168.3	203	89	216	13	1.5
200	8	219.1	203	102	270	13	1.5
250	10	273.1	254	127	324	13	1.5
300	12	323.9	254	152	381	13	1.5
350	14	355.6	305	152	413	13	1.5
400	16	406.4	305	152	470	13	1.5
450	18	457.2	305	152	533	13	1.5
500	20	508	305	152	584	13	1.5
550	22	559	305	152	641	13	1.5
600	24	610	305	152	692	13	1.5



项目 ITEM	内容 DESCRIPTION
标准	按DL/T515<<电站弯管>>、SY5257<<钢制弯管>>执行，或按客户提出的标准或技术要求执行。
Standard	According to DL/T515 《power station Bend》，SY 5257 《steel Bend》，or customer's techincal drawings
材料	碳钢、合金钢、不锈钢。
Material	Carbon steel, alloy steel, stainless steel
弯曲半径R	$R \leq 6000\text{mm}$ ，且 $R \geq 3D$
Bend Radius R	(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)
弯曲角度θ	$R \geq 3D$ ($R=3D、4D、5D、6D、7D、8D、9D、10D$) D:outside diameter
Bend Angle θ	常用为15o、30o、45o、60o、90o、135o和180o，也可按客户提出的角度弯制。
直段长度L	Normally 15o、30o、45o、60o、90o、135、180o or at customer's option
Length of Straight L	弯管两端直段长度一般在300mm-1500mm左右，也可按客户要求定制长度。
直段长度L	Normally between 300mm and 1500mm in length fo straight, It is at customer's option
Length of Straight L	$D \leq 1220\text{mm}$
壁厚T	$T \leq 120\text{mm}$
Wall Thickness T	按对焊管件焊端破口结构型式执行
端部破口	According to welding bevel of butt welding fitting
End Bevel	重量(Kg)=[0.0433(D-T)TR θ]/100000+L(双端直管段重量)
重量	Weight/kg=[0.0433(D-T)TR θ]/100000+L(Weight of Double Sides Straight Length)
Weight	



承插与螺纹篇

Socket weld and Forged

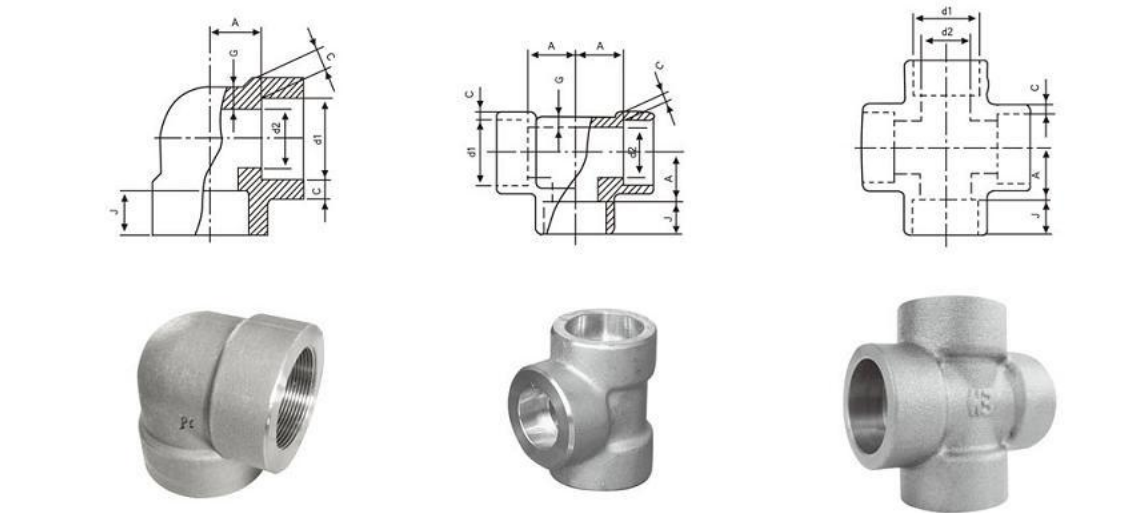
<http://www.huilinpipe.com>

材质：碳钢，不锈钢，合金钢。

标准为、ASME B 16.11， MSS SP75 83 95 97 JIS2316 GB/T14383

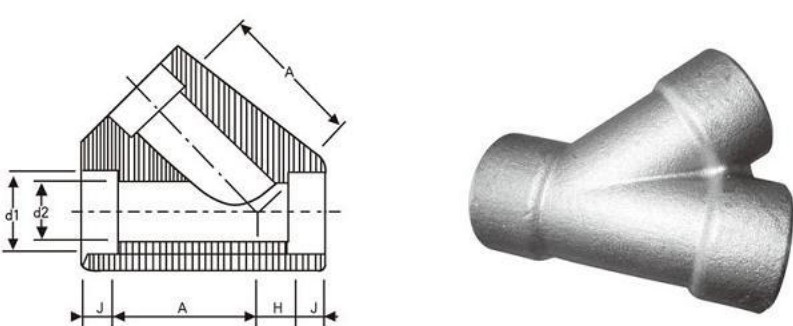
承插三通、弯头
Socket weld elbow tee

Y式三通
Socket lateral



公称通径 Nominal Diameter		承插孔深度 Depth of Socket	承插孔直径 Dimension of Socket	壁厚 Wall Thickness Cmin			中心至承插孔底Center to Bottom of Socket					
							A					
							90° 弯头、三通、四通 90° Elbow, Tee, Cross			45° 弯头 45° Elbow		
DN	NPS	Jmin	d1	3000LB Sch80	6000LB Sch160	9000LB XXS	3000LB Sch80	6000LB Sch160	9000LB XXS	3000LB Sch80	6000LB Sch160	9000LB XXS
6	1/8	10	10.7	3.2	3.5	—	11	11	—	8	8	—
8	1/4	10	14.1	3.3	4.0	—	11	15	—	8	8	—
10	3/8	10	17.5	3.5	4.4	—	13	15	—	8	12	—
15	1/2	10	21.8	4.1	5.2	8.2	16	19	25	11	13	16
20	3/4	13	27.4	4.3	6.1	8.6	19	22	28	13	14	18
25	1	13	34.2	5.0	7.0	10.0	22	27	32	14	18	22
32	1.1/4	13	42.9	5.3	7.0	10.6	27	32	35	18	21	22
40	1.1/2	13	48.3	5.6	7.8	11.2	32	38	38	21	25	25
50	2	13	61.1	6.1	9.5	12.2	38	41	41	25	29	29
65	2.1/2	16	76.9(73.8)	7.7	12.5	—	41	57	—	29	32	—
80	3	16	89.8	8.3	13.8	—	57	64	—	32	35	—
100	4	19	115.5	9.4	—	—	66	—	—	42	—	—

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.



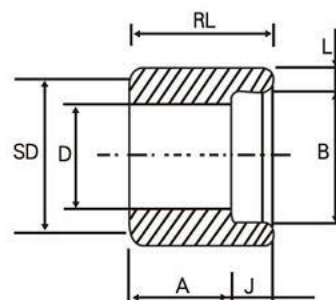
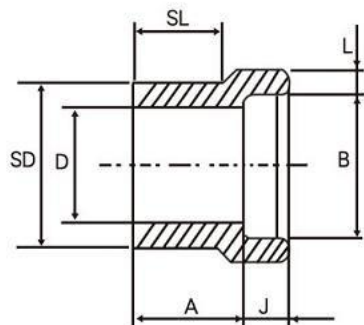
承插斜三通 Socket Lateral

公称通径 Nominal Size		承插孔深度 Depth of Socket	承插孔直径 Dimension of Socket	壁厚 Wall Thickness Cmin			中心至承插孔底Center to Bottom of Socket 45° 斜三通Lateral			
							A		H	
DN	NPS	Jmin	d1	3000LB Sch80	6000LB Sch160	9000LB XXS	3000LB Sch80	6000LB Sch160	3000LB Sch80	6000LB Sch160
6	1/8	10	10.7	3.2	3.5	—	—	—	—	—
8	1/4	10	14.1	3.3	4.0	—	32	—	8	—
10	3/8	10	17.5	3.5	4.4	—	37	—	8	—
15	1/2	10	21.8	4.1	5.2	8.2	41	51	11	13
20	3/4	13	27.4	4.3	6.1	8.6	51	60	13	14
25	1	13	34.2	5.0	7.0	10.0	60	71	14	18
32	1.1/4	13	42.9	5.3	7.0	10.6	71	81	18	21
40	1.1/2	13	48.3	5.6	7.8	11.2	81	98	21	25
50	2	13	61.1	6.1	9.5	12.2	98	120	25	29
65	2.1/2	16	76.9(73.8)	7.7	12.5	—	—	—	—	—
80	3	16	89.8	8.3	13.8	—	—	—	—	—
100	4	19	115.5	9.4	—	—	—	—	—	—

备注：
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。
Note:
Average of socket wall thickness around periphery shall be no less than listed values. The minimum values are permitted in localized areas.

承插变径接头

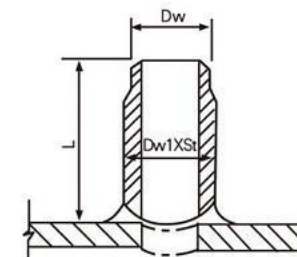
Socket weld nipple



公称通径 Nominal Diameter		类型 Type		SD	A		Cmin		SL		RL		插口直径 Diameter of faucet B	插口深度 The deepness of faucet J	孔径 Diameter of Hole (D)	
DN	NPS	3000 LB Sch80	6000 LB Sch160		3000 LB Sch80	6000 LB Sch160	3000 LB Sch80	6000 LB Sch160	3000 LB Sch80	6000 LB Sch160	3000 LB Sch80	6000 LB Sch160			3000 LB Sch80	6000 LB Sch160
10 × 8	3/8 × 1/4	1	1	17.1	19	21	3.8	4.6	14	16	—	—	14.2	10	9.0	6.5
15 × 10	1/2 × 3/8	1	1	21.3	21	23	4.0	5.0	16	16	—	—	17.7	10	12.5	9.0
15 × 8	1/2 × 1/4	2	1	21.3	21	21	3.8	4.6	16	16	—	—	14.2	10	9.0	6.0
20 × 15	3/4 × 1/2	1	1	26.7	22	25	4.7	6.0	17	19	—	—	21.8	10	16.0	11.5
20 × 10	3/4 × 3/8	2	1	26.7	16	22	4.0	5.0	—	19	21	—	17.7	10	12.5	9.0
20 × 8	3/4 × 1/4	2	2	26.7	18	22	3.8	4.6	—	—	21	32	14.2	10	9.0	6.5
25 × 20	1 × 3/4	1	1	33.4	24	28	4.9	7.0	19	21	—	—	27.2	13	21.0	15.5
25 × 15	1 × 1/2	2	2	33.4	16	28	4.7	6.0	—	21	28	—	21.8	10	16.0	11.5
25 × 10	1 × 3/8	2	2	33.4	18	22	4.0	5.0	—	—	28	33	17.7	10	12.5	9.0
25 × 8	1 × 1/4	2	2	33.4	19	24	3.8	4.6	—	—	28	33	14.2	10	9.0	6.0
32 × 25	1 1/4 × 1	1	1	42.4	25	30	5.7	7.9	21	22	—	—	33.9	13	26.5	20.5
32 × 20	1 1/4 × 3/4	2	2	42.4	18	21	4.9	7.0	—	—	32	35	27.2	13	21.0	15.5
32 × 15	1 1/4 × 1/2	2	2	42.4	19	22	4.7	6.0	—	—	32	35	21.8	10	16.0	11.5
32 × 10	1 1/4 × 3/8	2	2	42.4	21	24	4.0	5.0	—	—	32	35	17.7	10	12.5	9.0
32 × 8	1 1/4 × 1/4	2	2	42.4	22	25	3.8	4.6	—	—	32	35	14.2	10	9.0	6.0
40 × 32	1 1/2 × 1 1/4	1	1	48.3	28	35	6.1	7.9	22	25	—	—	42.7	13	35.0	29.5
40 × 25	1 1/2 × 1	2	1	48.3	18	29	5.7	7.9	—	25	33	—	33.9	13	26.5	20.5
40 × 20	1 1/2 × 3/4	2	2	48.3	19	25	4.9	7.0	—	—	33	40	27.2	13	21.0	15.5
40 × 15	1 1/2 × 1/2	2	2	48.3	21	27	4.7	6.0	—	—	33	40	21.8	10	16.0	11.5
40 × 10	1 1/2 × 3/8	2	2	48.3	22	28	4.0	5.0	—	—	33	40	17.7	10	12.5	9.0
50 × 40	2 × 1 1/2	1	1	60.3	32	47	6.4	8.9	25	40	—	—	48.8	13	41.0	34.0
50 × 32	2 × 1 1/4	2	2	60.3	21	24	6.1	7.9	—	—	38	41	42.7	13	35.0	29.5
50 × 25	2 × 1	2	2	60.3	22	25	5.7	7.9	—	—	38	41	33.9	13	26.5	21.0
50 × 20	2 × 3/4	2	2	60.3	24	27	4.9	7.0	—	—	38	41	27.2	13	21.0	15.5
50 × 15	2 × 1/2	2	2	60.3	25	28	4.7	6.0	—	—	38	41	21.8	10	16.0	11.5

锻制接管座

Forged outlet



PN=9.81MPa、PN=13.73MPa、PN=17.36MPa、t=540℃
标准号：D-GD87-0413-01~04

品种	接管座公称通径DN	Dw × S	L	材料
PN=9.81MPa t=540℃ D-GD87-0413-01.02	10	16 × 2.5	100	12Cr1MoV
	20	28 × 2.5	120	
	(25)	38 × 3.0		
	(32)	42 × 3.0		
	40	48 × 3.5		
	(45)	60 × 4.5	140	
	50	76 × 6.0		
	(65)	89 × 7.0	160	
	10	16 × 2.5	100	
	20	28 × 3.0	120	
PN=13.73MPa t=540℃ D-GD87-0413-01.03	(25)	38 × 4.0		20号钢
	(32)	42 × 4.0		
	40	48 × 5.0		
	(45)	60 × 6.0	140	
	50	76 × 8.0		
	(65)	89 × 9.0	160	
	10	16 × 2.5	100	
	20	28 × 3.5	120	
	(25)	38 × 5.0		
	(32)	42 × 5.5		
PN=17.36MPa t=540℃ D-GD87-0413-01.04	40	48 × 6.0		140
	(45)	60 × 7.0		
	50	76 × 10		
	(65)	89 × 12	160	

PN=6.4MPa、PN<10MPa
标准号：D-GD87-0414-01.02

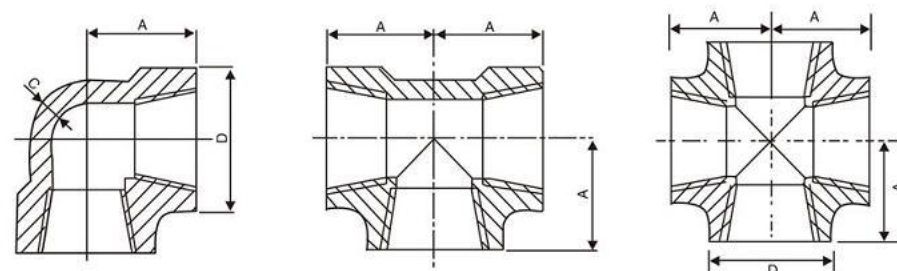
品种	接管座公称通径DN	Dw × S	L	材料
PN=17.15MPa t=230℃ D-GD87-0415-01.02	10	16 × 2.5	100	20号钢
	20	28 × 2.5	120	
	(25)	38 × 3.0		
	(32)	42 × 3.5		
	40	48 × 4.0		
	(45)	60 × 5.0	140	
	50	76 × 6.0		
	(65)	89 × 7.0	160	
	10	16 × 2.5	100	
	20	28 × 3.0	120	
PN=22.56MPa t=240℃ D-GD87-0415-01.03	(25)	38 × 4.0		140
	(32)	42 × 4.0		
	40	48 × 5.0		
	(45)	60 × 6.0		
	50	76 × 8.0		
	(65)	89 × 9.0	160	
	10	16 × 2.5	100	
	20	28 × 3.5	120	
	(25)	38 × 5.0		
	(32)	42 × 5.5		
PN=28.22MPa t=270℃ D-GD87-0415-01.04	40	48 × 6.0		140
	(45)	60 × 7.5		
	50	76 × 10		
	(65)	89 × 12	160	

PN=17.15MPa t=230℃、PN=22.56MPa t=240℃、
PN=28.22MPa t=270℃
标准号：D-GD87-0415-01~04

品种	接管座公称通径DN	Dw × S	L	材料
PN=6.4 PN<10MPa D-GD87-0414-01.02	10	14 × 2	90	20号钢
	15	18 × 2		
	20	25 × 2	100	
	25	32 × 2.5		
	32	38 × 2.5	120	
	(40)	45 × 3		
	50	57 × 3		
	65	76 × 4	140	

螺纹弯头三通

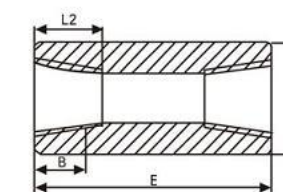
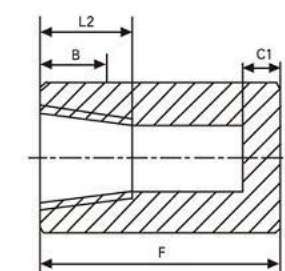
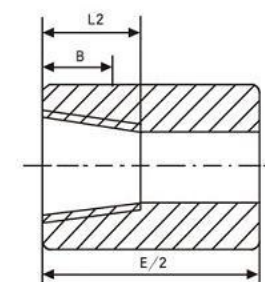
Forged threaded elbows tee



公称通径 Nominal Diameter		中心至端面 Center to End						外径 Outside Diameter			壁厚 Wall Thickness			螺纹长度 Length of Thread	
		A													
		弯头、三通、四通 Elbow Tee Cross			45° 弯头 45° Elbow			D			Cmin				
		2000 LB Sch160	3000 LB Sch80	6000 LB XXS	2000 LB Sch160	3000 LB Sch80	6000 LB XXS								
DN	NPS	2000 LB Sch160	3000 LB Sch80	6000 LB XXS	2000 LB Sch160	3000 LB Sch80	6000 LB XXS	2000 LB	3000 LB	6000 LB	2000 LB	3000 LB	6000 LB	NPT	Rc
6	1/8	21	21	25	17	17	19	22	22	25	3.0	3.0	6.5	6.5	6.5
1/4	25	17	22	25	3.0	6.5	10.0								
3/8	29	19	25	33	3.0	7.0	10.5								
1/2	33	22	29	38	3.0	8.0	13.5								
3/4	38	25	33	46	3.0	8.5	14.0								
1	44	29	35	56	3.5	10.0	17.5								
1.1/4	51	33	43	62	4.0	10.5	18.0								
1.1/2	60	35	44	75	4.0	11.0	18.5								
2	64	43	52	84	4.5	12.0	19.0								
2.1/2	83	52	64	102	5.5	15.5	29.0								
3	96	64	79	121	6.0	16.5	30.0								
100	4	106	114	114	79	79	79	146	152	152	6.5	11.0	18.5	27.5	33.0

螺纹管箍管帽

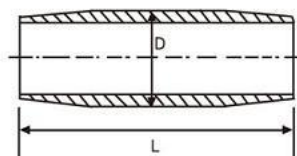
Forged threaded couplings caps



公称通径 Nominal Diameter		管箍、管帽长度 The Length of Coupling and Cap				外径 Outside Diameter		管帽顶厚 End Wall Thickness		螺纹长度 Length of Thread	
		E		F							
DN	NPS	3000LB	6000LB	3000LB	6000LB	3000LB	6000LB	3000LB	6000LB	B	L2
		Sch 160	XXS	Sch 160	XXS	Sch 160	XXS	Sch 160	XXS		
6	1/8	32	32	19	—	16	22	5.0	—	6.5	6.5
8	1/4	35	35	25	27	19	25	5.0	6.5	8.0	10.0
10	3/8	38	38	25	27	22	32	5.0	6.5	9.0	10.5
15	1/2	48	48	32	33	29	38	6.5	8.0	11.0	13.5
20	3/4	51	51	37	38	35	44	6.5	8.0	12.5	14.0
25	1	60	60	41	43	44	57	9.5	11.0	14.5	17.5
32	1.1/4	67	67	44	46	57	64	9.5	11.0	17.0	18.0
40	1.1/2	76	76	44	48	64	76	11.0	12.5	18.0	18.5
50	2	86	86	48	51	76	92	12.5	16.0	19.0	19.0
65	2.1/2	92	92	60	64	92	108	16.0	19.0	23.5	29.0
80	3	108	108	65	68	108	127	19.0	22.0	26.0	30.5
100	4	121	121	68	75	140	159	22.0	28.5	27.5	33.0

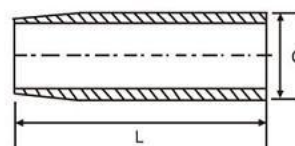
螺纹短节

Forged nipples



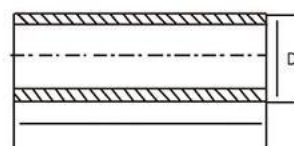
单头螺纹短节

One end thread and one end plain



双头螺纹短节

Both end thread



短管

Both end plain



国际通用系列钢管(英制管) Inch Pipe

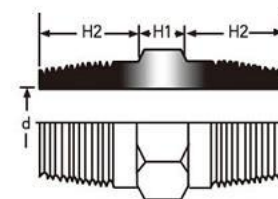
公称通径 Nominal Diameter		外径 Outside Diameter	Sch40 STD	Sch160 XXS	L
DN	NPS	Diameter D	Sch80 XS		
8	1/4	13.5	○		60
10	3/8	17.2	○		
15	1/2	21.3	○	○	
20	3/4	26.7	○	○	120
25	1	33.4	○	○	150
32	1.1/4	42.2	○	○	180
40	1.1/2	48.3	○	○	
50	2	60.3	○	○	

国内沿用系列钢管(公制管) Metric Pipe

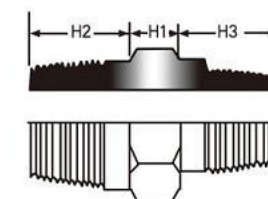
公称通径 Nominal Diameter	外径 Outside Diameter	厚度 Thickness	长度 Length
DN	D		
10	14	2-5	60
15	18		
20	25		
25	32		120
32	38		150
40	45		180
50	57		

六角双丝头

Forged hexagon nipples



同径六角双丝头
Straight Hexagonal Nipple



异径六角双丝头
Reducing Hexagonal Nipple

公称通径 Nominal Diameter		尺寸 Size					
DN	NPS	C	E1	E2	W	D	
						sch80	sch160
6	1/8	6	10	---	26	5	4
8	1/4	6	15	---	36	7	6
8 x 6	1/4 x 1/8	6	15	10	31	5	4
10	3/8	8	16	---	40	10	8
10 x 8	3/8 x 1/4	8	16	15	39	7	6
15	1/2	8	20	---	48	13	10
15 x 10	1/2 x 3/8	8	20	16	44	10	8
15 x 8	1/2 x 1/4	8	20	15	43	7	6
20	3/4	10	21	---	52	18	14
20 x 15	3/4 x 1/2	10	21	20	51	13	10
20 x 10	3/4 x 3/8	10	21	16	47	10	8
25	1	10	25	---	60	23	19
25 x 20	1 x 3/4	10	25	21	56	18	14
25 x 15	1 x 1/2	10	25	20	55	13	10
32	1.1/4	12	25	---	62	31	28
32 x 25	1.1/4 x 1	12	25	25	62	23	19
32 x 20	1.1/4 x 3/4	12	25	21	58	18	14
32 x 15	1.1/4 x 1/2	12	25	20	57	13	10
40	1.1/2	16	26	---	68	36	32
40 x 32	1.1/2 x 1.1/4	16	26	25	67	31	28
40 x 25	1.1/2 x 1	16	26	25	67	23	19
40 x 20	1.1/2 x 3/4	16	26	21	63	18	14
40 x 15	1.1/2 x 1/2	16	26	20	62	13	10
50	2	18	27	---	72	47	40
50 x 40	2 x 1.1/2	18	27	26	71	36	32
50 x 32	2 x 1.1/4	18	27	25	70	31	28
50 x 25	2 x 1	18	27	25	70	23	19
50 x 20	2 x 3/4	18	27	21	66	18	14
50 x 15	2 x 1/2	18	27	20	65	13	10
65	2.1/2	20	38	---	96	57	51
65 x 50	2.1/2 x 2	20	38	27	85	47	40
65 x 40	2.1/2 x 1.1/2	20	38	26	84	36	32
65 x 32	2.1/2 x 1.1/4	20	38	25	83	31	28
65 x 25	2.1/2 x 1	20	38	25	83	23	19
65 x 20	2.1/2 x 3/4	20	38	21	79	18	14
80	3	20	40	---	100	70	63
80 x 65	3 x 2.1/2	20	40	38	98	57	51
80 x 50	3 x 2	20	40	27	87	47	40
80 x 40	3 x 1.1/2	20	40	26	86	36	32
80 x 32	3 x 1.1/4	20	40	25	85	31	28
80 x 25	3 x 1	20	40	25	85	23	19

•注：螺纹型式为GB/T 12716 (ANSI/ASME B1.20.1) 中的60° 圆锥管螺纹NPT；也可采用其它型式的螺纹制造，请在订货时注明。

Note:

•The standards and codes of the fittings is conical threaded NPT angle 60° of GB/T 12716(ANSI/ASME B1.20.1), and if requiring other types of thread, please indicate them in the purchased order.

管塞堵头

Forged threaded plugs

活接头

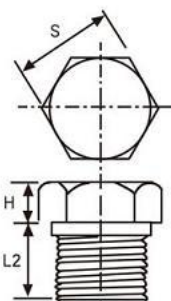
Forged union socket weld and threaded



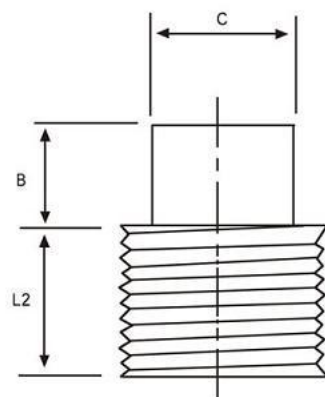
方头管塞
Square Head Plug

方头管塞
Square Head Plug

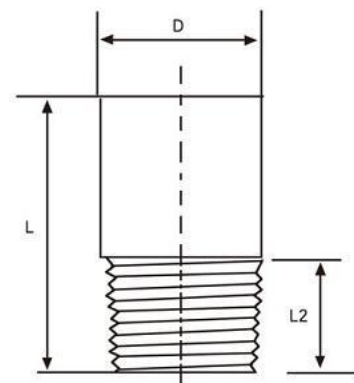
方头管塞
Square Head Plug



六角头内外螺纹接头(补芯)
Hex Head Bushing

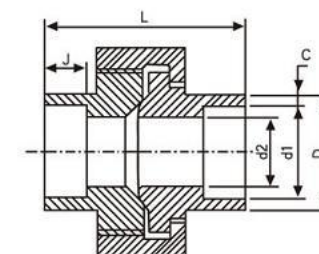
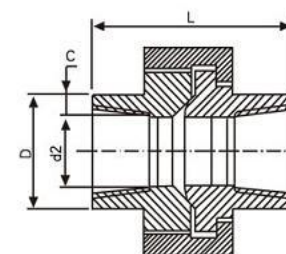


六角头内外螺纹接头-结构图



无头内外螺纹接头-结构图
Flush Bushing

公称通径 Nominal Diameter		螺纹长度 Length of Thread	方头管塞 Square Head Plug		圆头管塞 Round Head Plug		六角头管塞和接头 Hex Head Plug and Bushing		
DN	NPS	L2min	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	平面宽度 Width Of Flats	六角头高度 Hex Head Height	
			Bmin	Cmin	D	Lmin	S	Kmin	Hmin
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



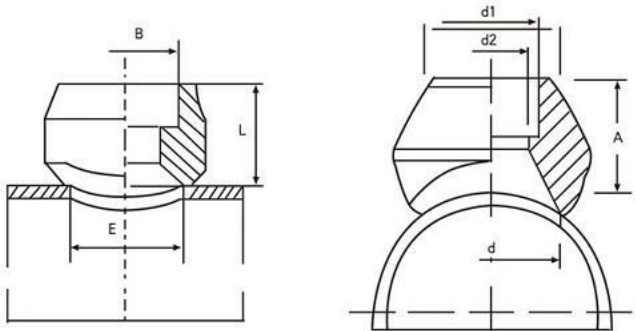
公称通径 Nominal Diameter		外径 Dmin		壁厚 Cmin		承插孔径 d1	流通孔径 d2	承插孔深度 min	公称装配长度 L
A	B(in)	承插焊 Socket	螺纹 Threaded	承插焊 Socket	螺纹 Threaded	承插焊 Socket	承插焊、螺纹 Socket & Threaded	承插焊 Socket	承插焊、螺纹 Socket & Threaded
6	1/8	21.8	14.7	3.2	2.5	10.65	6.43	10	41.4
8	1/4	21.8	19.0	3.3	3.1	14.10	9.45	10	41.4
10	3/8	25.9	22.9	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



支管台篇
boss

<http://www.huilinpipe.com>

材质为碳钢，不锈钢，合金钢
标准为：MSS SP-97 GB19326



承插焊支管台/Socket welding Outlet

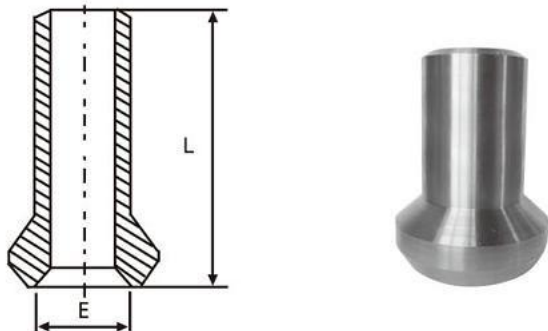


执行标准：MSS SP-97、GB19326、Q/FG11

支管公称通径 Nominal Diameter of Branch		适用主管公称通径 Nominal Diameter of Suited Main Pipe 不小于≥		L		E	
DN	NPS	mm	in	3000LB	6000LB	3000LB	6000LB
6	1/8	20	3/4	19.1	—	15.9	—
8	1/4	20	3/4	19.1	—	15.9	—
10	3/8	25	1	20.6	—	19.1	—
15	1/2	32	1.1/4	25.4	31.8	23.8	19.1
20	3/4	40	1.1/2	27.0	36.5	30.2	25.4
25	1	50	2	33.3	39.7	36.5	33.3
32	1.1/4	65	2.1/2	33.3	41.3	44.5	38.1
40	1.1/2	65	2.1/2	34.9	42.9	50.8	49.2
50	2	80	3	38.1	52.4	65.1	69.9
60	2.1/2	100	4	39.7	—	76.2	—
80	3	125	5	44.5	—	93.7	—
100	4	150	6	47.6	—	120.7	—

短管支管台
Nipolet

对焊支管台
Weldolet



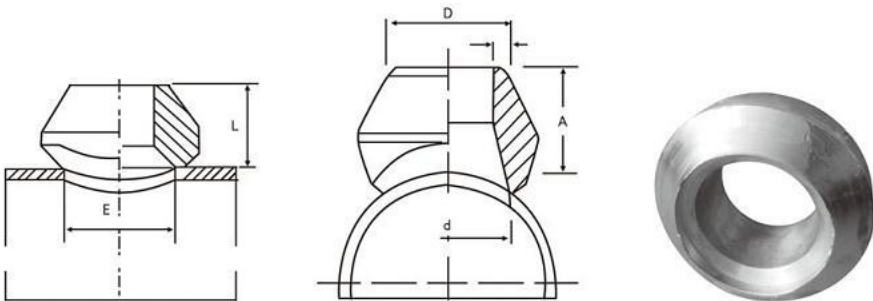
执行标准: MSS SP-97、GB19326、Q/FG14

支管公称口径 Nominal Diameter of Branch		适用主管公称口径 Nominal Diameter of Suited Main Pipe 不小于≥		E		L
DN(mm)	NPS(in)	mm	in	3000LB	6000LB	
15	1/2	15	1.1/4	23.8	14.3	100 150
20	3/4	25	1.1/2	30.2	19.1	
25	1	25	2	36.5	25.4	
32	1.1/4	32	2.1/2	44.5	33.3	
40	1.1/2	40	2.1/2	50.8	38.1	
50	2	50	3	65.1	42.9	

- 说明:
- 短管支管台长度L应在订货时说明。
 - 短管支管台上端的型式有:
SNL 平端Flat end 用于承插焊 For socket weld
WNL 坡口端Beveled 用于对焊 For butt weld
TNL 锥管螺纹(外) NPT或R(订货时应予说明Specify when order)
 - 按下表选用支管台的压力等级(用于英制管):

压力等级Pressure Grade	适用支管壁厚等级Suitable shedule of branch
3000Lb	Sch40、Sch80、STD、XS
6000Lb	Sch160 XXS

- 表列E值适用于国际通用系列的钢管尺寸(英制管), 如需用于国内沿用系列钢管(公制管)E值将有所调整。
- 定货时必须注明主管及支管公称尺寸、压力等级、长度级材料牌号, 如用于公制管, 应注明主管及支管外径和壁厚尺寸。
SNL 10"×1.1/2' 3000LB L100 304 (用于英制管 British series)
TNI 159×25 8×3 L150 20 (用于公制管 Metric series)



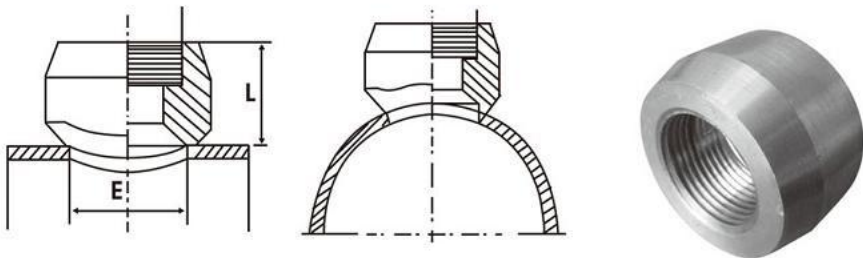
执行标准: MSS SP-97、GB19326、Q/FG13

公称口径 Nominal Diameter		适用主管公称口径 Nominal Diameter of Suited Main Pipe≥		L			E		
mm	in	mm	in	STD	XS	XXS	STD	XS	XXS
6	1/8	20	3/4	15.9	—	—	15.9	—	—
8	1/4	20	3/4	15.9	—	—	15.9	—	—
10	3/8	25	1	19.1	—	—	19.1	—	—
15	1/2	32	1.1/4	19.1	19.1	28.6	23.8	23.8	14.3
20	3/4	40	1.1/2	22.2	22.2	31.8	30.2	30.2	19.1
25	1	40	1.1/2	27.0	27.0	38.1	36.5	36.5	25.4
32	1.1/4	65	2.1/2	31.8	31.8	44.5	44.5	44.5	33.3
40	1.1/2	65	2.1/2	33.3	33.3	50.8	50.8	50.8	38.1
50	2	80	3	38.1	38.1	58.6	65.1	65.1	42.9
60	2.1/2	100	4	41.3	41.3	61.9	76.2	76.2	54.0
80	3	125	5	44.5	44.5	73.0	93.7	93.7	77.0
90	3.1/2	150	6	47.0	47.0	—	101.6	101.6	—
100	4	150	6	50.8	50.8	84.1	120.7	120.7	98.4
125	5	200	8	57.2	57.2	93.7	141.3	141.3	122.2
150	6	200	8	60.3	77.8	104.8	169.9	169.9	146.1
200	8	250	10	69.9	98.4	—	220.7	220.7	—
250	10	300	12	77.8	93.7	—	274.6	265.1	—
300	12	350	14	85.7	103.2	—	325.4	317.5	—
350	14	400	16	88.9	100.0	—	357.2	350.9	—
400	16	450	18	93.7	106.4	—	408.0	403.2	—
450	18	500	20	96.8	111.1	—	458.8	455.6	—
500	20	600	24	101.6	119.1	—	508.8	509.6	—
600	24	650	26	115.9	139.7	—	614.4	614.4	—

- 说明:
- 表列“适用主管公称口径”为一般用途, 如需用于更小的主管尺寸, 应与制造厂协商。
 - 表列E值适用于国际通用系列的钢管尺寸(英制管), 如需用于国内沿用系列钢管(公制管)E值将有所调整, 但L值不变。
 - 上表所列对焊支管台有STD、XS、XSS三种等级, 选用较为复杂, 为此, 用户选用时, 必须将主管及支管的公称口径及壁厚等级注明, 本公司可根据上述参数确定符合用户需要的支管台等级及有关结构尺寸, 如用于公制管, 用户应注明主管及支管的外径和壁厚尺寸。
 - 定货时必须注明主管及支管尺寸、压力等级及材料编号。如: WOL 14"×4" Sch40×STD 16Mn (用于英制管)
WOL 377×108 12×8 16Mn (用于公制管)

螺纹支管台
Thredolet

弯头支管台
Elbolet



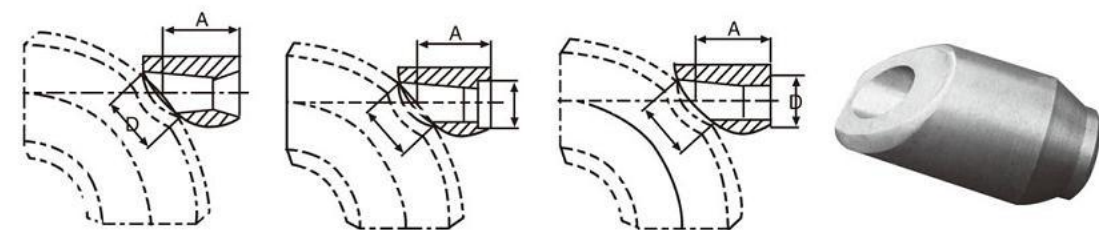
执行标准：MSS SP-97、GB19326、Q/FG12

支管公称通径 Nominal Diameter of Branch		适用主管公称通径 Nominal Diameter of Suited Main Pipe 不小于≥		L		E	
DN	NPS	mm	in	3000LB	6000LB	3000LB	6000LB
6	1/8	20	3/4	19.1	—	15.9	—
8	1/4	20	3/4	19.1	—	15.9	—
10	3/8	25	1	20.6	—	19.1	—
15	1/2	32	1.1/4	25.4	31.8	23.8	19.1
20	3/4	40	1.1/2	27.0	36.5	30.2	25.4
25	1	50	2	33.3	39.7	36.5	33.3
32	1.1/4	65	2.1/2	33.3	41.3	44.5	38.1
40	1.1/2	65	2.1/2	34.9	42.9	50.8	49.2
50	2	80	3	38.1	52.4	65.1	69.9
60	2.1/2	100	4	46.0	—	76.2	—
80	3	125	5	50.8	—	93.7	—
100	4	150	6	57.2	—	120.7	—

说明：
 1、锥管螺纹可按ANSI B1.20.1 NPT或ISO7/1Rp或Rc锥管螺纹，尺寸同支管公称通径(in)用户需注明锥管螺纹代号。
 2、表列“适用主管公称直径”为一般用途，如需用于更小的主管尺寸应与制造厂协商。
 3、按下表选用支管台的压力等级：

压力等级 Pressure Grade	适用支管壁厚等级 Suitable shedule of branch
3000Lb	Sch40、Sch80、STD、XS
6000Lb	Sch160 XXS

4、螺纹支管台仅适用于国际通用系列的钢管（英制管）。
 5、定货时必须注明主管及支管支管公称尺寸、压力等级、材料牌号、螺纹代号。



执行标准：MSS SP-97、GB19326、Q/FG16

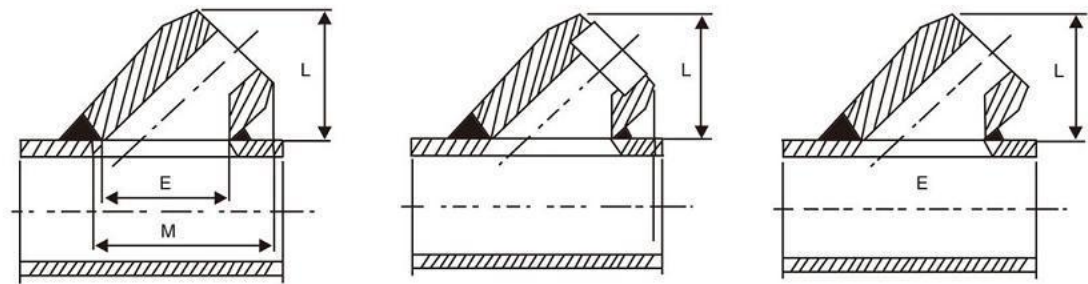
支管公称通径 Nominal Diameter of Branch		适用主管公称通径 Nominal Diameter of Suited Main Pipe		E	A	L
DN (mm)	NPS (in)	不小于≥		mm	in	3000LB
		mm	in			
8	1/4	32	1.1/4	38	40	A+D
10	3/8	32	1.1/4	38	40	
15	1/2	32	1.1/4	38	40	
20	3/4	40	1.1/2	44	48	
25	1	50	2	57	57	
32	1.1/4	65	2.1/2	73	64	
40	1.1/2	80	3	79	68	
50	2	100	4	106	83	

- 说明：
- 1、尺寸D适于符合ANSI B16.9的长半径90o弯头
 2、弯头支管台的上端型式有三种，选用时应注明：
 WEL—对焊 SEL—承插口 TEL—锥管螺纹(内)NPT或Rc、Rp
 3、3000LB级弯头支管台适用于下列支管壁厚等级：Sch40、Sch80、STD、XS。
 4、订货时应注明弯头及支管公称尺寸、压力等级、材料编号，如用于公制管，应注明主管及支管外径和壁厚尺寸。
 TEL 4" × 1.1/2" 3000LB 20 (用于英制管)
 SEL 108 × 18 6 × 3 20 (用于公制管)

弯头公称通径	mm	32	40	50	65	80	100	150	200	250	300
Elbow Nominal	in	1.1/4	1.1/2	2	2.1/2	3	4	6	8	10	12
Diameter	size D	50	54	72	93	108	144	218	290	362	434

斜接支管台

Latrolet



执行标准：MSS SP-97、GB19326、Q/FG15

支管公称通径		适用主管公称通径		L
Nominal Diameter of Branch		Nominal Diameter of Suited Main Pipe		
DN	NPS	不小于≥		
(mm)	(in)	mm	in	3000LB
8	1/4	32	1.1/4	40
10	3/8	32	1.1/4	40
15	1/2	32	1.1/4	40
20	3/4	40	1.1/2	46
25	1	50	2	54
32	1.1/4	65	2.1/2	64
40	1.1/2	80	3	70
50	2	100	4	86

- 说明：

1、斜接支管台上端型式有三种先用时应注明：
 WLL 对焊 butt weld
 SLL 承插口 Socket weld
 TLL 锥管螺纹（内）NPT 或Rc(订货时应予说明 Specify when order)

2、3000Lb级斜接支管台适用于下列支管壁厚等级（用于英制管）
 Sch40 Sch80 STD XS

3、订货时必须说明主管及支管公称尺寸、压力等级、材料牌号，如用于公制管，应注明主管及支管外径和壁厚尺寸。
 SLL 4"× 1/2" 3000LB 20 (用于英制管 British series)
 WLL 108× 18 3000LB 20 (用于公制管 Metric series)



法兰篇

flange

<http://www.huilinpipeline.com>

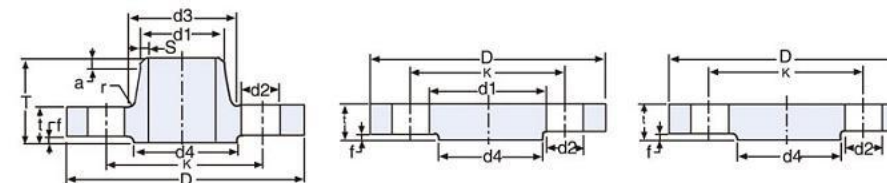
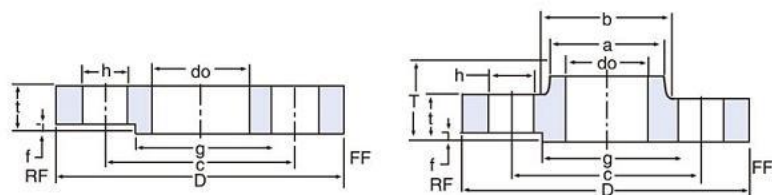
材质：碳钢，不锈钢，合金钢。
 标准为：ASME B 16.5 ASME B 16.47, JIS2220 DIN2576 DIN2527 GB/T9112-9124 HG20592-20635 JB/T4700-4707

日标法兰

Japanese standard Series

德标法兰

German standard Series



10kg/cm²

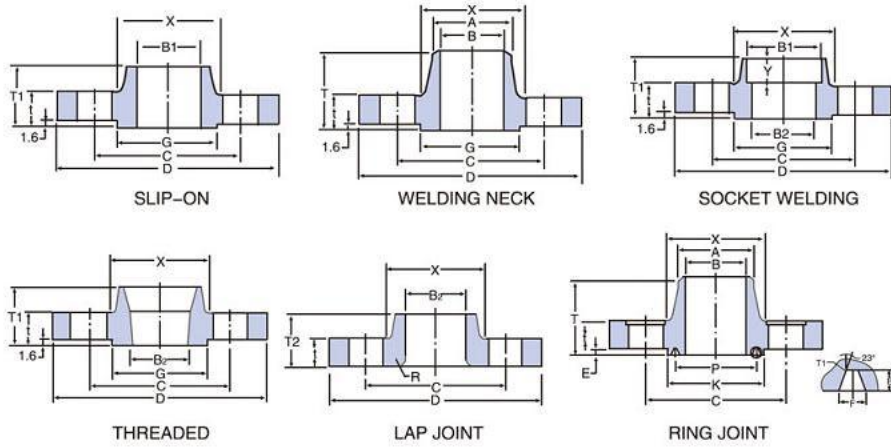
Unit: mm

Nominal Bore of Flange	Outside Dia. of Steel Pipe	Inside Dia. of Flange do	Outside Dia. of Flange D	Sectional Dimensions of Flange							Dia. of Bolt			Nominal Bolt Size	Weight(kg)		
				t	T	Dia. of Hub		Radius r	Raised Face f	Dia. of Raised Face g	Dia. of Circle c	Number of Bolt Holes	Dia. h		SOP	BL	SOH
						a	b										
10A	17.3	17.8	90	12	—	—	—	—	1	46	65	4	15	M12	0.52	0.54	—
15A	21.7	22.2	95	12	—	—	—	—	1	51	70	4	15	M12	0.57	0.61	—
20A	27.2	27.7	100	14	—	—	—	—	1	56	75	4	15	M12	0.73	0.79	—
25A	34.0	34.5	125	14	—	—	—	—	1	67	90	4	19	M16	1.13	1.24	—
32A	42.7	43.2	135	16	—	—	—	—	2	76	100	4	19	M16	1.48	1.66	—
40A	48.6	49.1	140	16	—	—	—	—	2	81	105	4	19	M16	1.56	1.81	—
50A	60.5	61.1	155	16	—	—	—	—	2	96	120	4	19	M16	1.88	2.23	—
65A	76.3	77.1	175	18	—	—	—	—	2	116	140	4	19	M16	2.60	3.3	—
80A	89.1	90.0	185	18	—	—	—	—	2	126	150	8	19	M16	2.61	3.5	—
(90)A	101.6	102.6	195	18	—	—	—	—	2	136	160	8	19	M16	2.76	4.0	—
100A	114.3	115.4	210	18	—	—	—	—	2	151	175	8	19	M16	3.14	4.6	—
125A	139.8	141.2	250	20	—	—	—	—	2	182	210	8	23	M20	4.77	7.3	—
150A	165.2	166.6	280	22	—	—	—	—	2	212	240	8	23	M20	6.34	10.1	—
(175)A	190.7	192.1	305	22	—	—	—	—	2	237	265	12	23	M20	6.82	11.8	—
200A	216.3	218.0	330	22	—	—	—	—	2	262	290	12	23	M20	7.53	14.0	—
(225)A	241.8	243.7	350	22	—	—	—	—	2	282	310	12	23	M20	7.74	15.8	—
250A	267.4	269.5	400	24	36	288	292	6	2	324	355	12	25	M22	11.8	22.7	12.7
300A	318.5	321.0	445	24	38	340	346	6	3	368	400	16	25	M22	12.7	27.8	13.8
350A	355.6	358.1	490	26	42	380	386	6	3	413	445	16	25	M22	16.4	37.1	18.2
400A	406.4	409.0	560	28	44	436	442	6	3	475	510	16	27	M24	23.0	52.5	25.2
450A	457.2	460.0	620	30	48	496	502	6	3	530	565	20	27	M24	29.5	68.8	33.0
500A	508.0	511.0	675	30	48	548	554	6	3	585	620	20	27	M24	33.5	82.1	37.6
(550)A	558.8	562.0	745	32	52	604	610	6	3	640	680	20	33	M30	43.1	105.8	49.7
600A	609.6	613.0	795	32	52	656	662	6	3	690	730	24	33	M30	45.7	120.2	52.6
650A	660.4	664.0	845	34	56	706	712	6	3	740	780	24	33	M30	52.1	145.0	60.6
700A	711.2	715.0	905	34	58	762	770	6	3	800	840	24	33	M30	59.5	167.2	70.6
750A	762.0	766.0	970	36	62	816	824	6	3	855	900	24	33	M30	73.2	204.2	85.8
800A	812.8	817.0	1020	36	64	868	876	6	3	905	950	28	33	M30	76.4	225.4	91.2
(850)A	863.6	868.0	1070	36	66	920	928	6	3	955	1000	28	33	M30	80.7	248.8	98.6
900A	914.4	919.0	1120	38	70	971	979	6	3	1005	1050	28	33	M30	89.4	288.4	109.0
1000A	1016.0	1021.0	1235	40	74	1073	1081	6	3	1110	1160	28	39	M36	109.2	267.7	133.0
★(1100)A	1117.6	1123.0	1345	42	76	—	—	—	3	1220	1270	28	39	M36	131.6	460.0	—
★1200A	1219.2	1225.0	1465	44	78	—	—	—	3	1325	1380	32	39	M36	163.5	572.2	—
★1350A	1371.6	1377.0	1630	48	82	—	—	—	3	1480	1540	36	45	M42	204.7	769.0	—
★1500A	1524.0	1529.0	1795	50	90	—	—	—	3	1635	1700	40	45	M42	250.2	974.9	—

16BAR

Nominal Bore	Bore		Common Dimension					Welding Neck				Raised Face		Drilling		Approx Weight(kg)		
	d1	D	t			K	T	d3	s	r	a=	d4	f	Number of Bolt	Dia of Bolt	d2	DIN	DIN
			Welding Neck	Slop-on	Bild													
10A	14)	90	14		14	60	35	25	1.8	4	6	40	2	4	M12(1/2")	14	0.63	0.580
15A	17.2"	95	14	14	14	65	35	28	2.0	4	6	45	2	4	M12(1/2")	14	0.72	0.648
	30																	
20A	21.3"	105	16	16	16	75	38	32	2.3	4	6	58	2	4	M12(1/2")	14	1.01	0.952
	38																	
25A	25	115	16	16	16	85	38	40	2.6	4	6	68	2	4	M12(1/2")	14	1.23	1.14
	42																	
32A	30	140	16	16	16	100	40	45	2.6	6	6	78	2	4	M16(5/8")	18	1.80	1.69
	52																	
40A	38	150	16	16	16	110	42	56	2.6	6	7	88	3	4	M16(5/8")	18	2.09	1.86
	60																	
50A	44.5	165	18	18	18	125	45	64	2.9	6	8	102	3	4	M16(5/8")	18	2.88	2.53
	64																	
65A	48.3"	185	18	18	18	145	45	72	2.9	6	10	122	3	4	M16(5/8")	18	3.66	3.06
	75																	
80A	60.3"	200	20	20	20	160	50	80	3.2	8	10	158	3	8	M16(5/8")	18	4.77	3.70
	90																	
100A	66.9"	220	20	20	20	180	52	105	3.6	8	12	158	3	8	M16(5/8")	18	5.65	4.62
	125																	
125A	114.3"	250	22	22	22	210	55	131	4.0	8	12	188	3	8	M16(5/8")	18	8.42	6.30
	150																	
150A	133	285	24	22	22	240	55	156	4.5	10	12	212	3	8	M20(3/4")	23	10.40	7.75
	139.7"																	
200A	159	340	24	24	24	295	62	175	5.9	10	16	268	3	12	M20(3/4")	23	16.1	11.0
	184																	
250A	168.3"	405	26	26	26	355	70	232	6.3	12	16	320	3	12	M24(7/8")	27	24.9	15.60
	235																	
300A	219.1"	460	28	28	28	410	78	285	7.1	12	16	378	4	12	M24(7/8")	27	35.1	22.00
	292																	
350A	273"	520	30	30	30	470	82	338	8.0	12	16	438	4	16	M24(7/8")	27	47.80	28.70
	344																	
400A	323.9"	580	32	32	32	525	85	390	8.0	12	16	490	4	16	M27(1")	30	63.5	36.3
	445																	
500A	355.6"	715	34	38	34	650	90	445	8.0	12	16	610	4	20	M30(1 1/8")	33	102	59.3
	548																	
600A	406.4"	840	36	40		770	95	548	8.8	12	18	725	5	20	M33(1 1/4")	36		
	508																	
700A	419	910	36			840	100	521	8.8	12	18	795	5	24	M33(1 1/4")	36		
	521																	
800A	609.6"	1025	38			950	105	521	10.0	12	20	900	5	24	M36(1 3/8")	39		
	622																	
900A	711.2"	1125	40			1050	110	521	10.0	12	20	1000	5	28	M36(1 3/8")	39		
	720																	
1000A	812.8"	1255	42			1170	120	820	10.0	16	20	1115	5	28	M39(1 1/2")	42		
	820																	

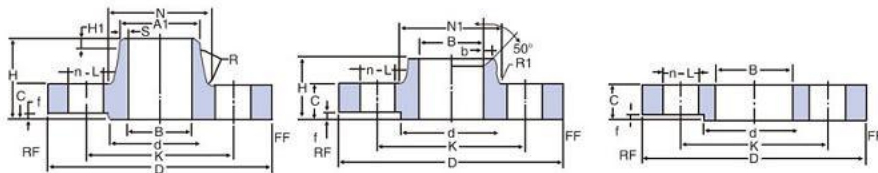
NOTE* Out side diameter of pipe complied with ISO recommendation R64



Class 150

Unit: mm

Nominal Pipe Size		Outside Dia of Flanges	Dia of Bore										Dia of Hub at Bevel		Dia of Hub at Base	Dia of Raised Face	Thick of Flanges	Radius of Fillet	Length thru Hub			Depth of Socket	Drilling		Dia of Raised Face for Ring & Groove	Pitch Dia of Ring & Groove	Ring No	RTJ Type			Approx Weight(kg)				Nominal Pipe Size		
			Welding-Neck Socket B						A	T1	T2	T	C	N					h	K (mm)	P		E	F				R1	WN	SO	SW	BL					
			JP1	ANSI	JP1	ANSI	SO-H80	SO-H80																									SO-H80	SO-H80	SO-H80	JP1	ANSI
A	B	D	JP1	ANSI	JP1	ANSI	SO-H80	SO-H80	SO-H80	SO-H80	SO-H80	JP1	ANSI	X	G	I	R	T1	T2	T	Y	C	N	h	K (mm)	P	E	F	R1	WN	SO	SW	BL	A	B		
15	1/2	89	222	224	234	229	161	143	123	158	139	118	217	213	302	351	112	3	159	159	476	95	605	4	16	-	-	-	-	-	0.5	0.41	0.42	0.43	15	1/2	
20	3/4	96	277	277	289	282	214	194	162	209	188	156	272	267	381	429	127	3	159	159	524	111	700	4	16	-	-	-	-	-	0.8	0.57	0.58	0.62	20	3/4	
25	1	108	345	346	356	351	272	250	212	266	243	207	34	33.5	493	508	143	3	175	175	556	127	795	4	16	63.5	47.62	R15	6.35	8.74	0.8	1	0.78	0.8	0.87	25	1
32	1 1/4	117	432	432	443	437	355	329	299	351	325	295	427	422	587	635	159	5	206	206	571	143	890	4	16	73	57.15	R17	6.35	8.74	0.8	1.3	1.03	1.06	1.16	(32)	(1 1/4)
40	1 1/2	127	491	496	504	500	412	384	344	409	381	340	486	483	650	732	175	6	222	222	619	159	985	4	16	82.5	69.07	R19	6.35	8.74	0.8	1.7	1.32	1.35	1.54	40	1 1/2
50	2	152	611	620	627	625	527	495	431	525	493	429	605	605	778	919	191	8	254	254	635	175	1205	4	19	102	82.55	R22	6.35	8.74	0.8	2.6	2.09	2.13	2.46	50	2
65	2 1/2	178	771	747	787	755	659	623	573	627	600	540	763	732	904	1046	223	8	286	286	698	190	1395	4	19	121	101.6	R25	6.35	8.74	0.8	4.1	3.25	3.35	3.99	65	2 1/2
80	3	191	900	907	916	914	781	739	669	779	737	667	891	889	1080	1270	239	10	302	302	698	206	1525	4	19	133	114.3	R29	6.35	8.74	0.8	5	3.91	4.02	4.98	80	3
90	3 1/2	216	1026	1034	1041	1042	902	854	762	901	855	-	1016	1016	1222	1397	239	10	318	318	714	222	1780	8	19	154	131.78	R33	6.35	8.74	0.8	6.1	4.86	4.99	6.2	(90)	(3 1/2)
100	4	229	1154	1161	1169	1169	1023	971	873	1023	972	873	1143	1143	1349	1572	239	11	333	333	762	238	1905	8	19	171	149.22	R36	6.35	8.74	0.8	6.9	5.35	5.99	7.05	100	4
125	5	254	1412	1438	1430	1446	1266	1208	1080	1282	1223	1096	1398	1412	1636	1857	239	11	365	365	869	238	2160	8	22	194	171.45	R40	6.35	8.74	0.8	8.8	6.22	6.68	8.67	(125)	(5)
150	6	279	1666	1707	1684	1716	1510	1432	1288	1541	1463	1318	1652	1684	1921	2159	254	13	397	397	889	270	2415	8	22	219	193.68	R43	6.35	8.74	0.8	11	7.76	7.99	11.3	150	6
200	8	343	2180	2215	2195	2223	1999	1909	1703	2027	1937	1731	2163	2192	2461	2697	286	13	445	445	1016	318	2985	8	22	273	247.65	R48	6.35	8.74	0.8	18	12.6	13.3	19.9	200	8
250	10	406	2695	2764	2717	2774	2468	2372	2102	2544	2429	2159	2674	2731	3048	3239	302	13	492	492	1016	333	3620	12	25	330	304.8	R52	6.35	8.74	0.8	25	17.6	19.5	29	250	10
300	12	483	3210	3272	3228	3282	2979	2837	2519	3032	2889	2572	3185	3239	3651	3810	318	13	556	556	1143	397	4320	12	25	406	381	R56	6.35	8.74	0.8	39	27.8	29	437	300	12
350	14	533	3581	3592	-	3602	3334	3176	2842	3333	3175	2842	3556	3556	4001	4128	350	13	572	793	1270	413	4760	12	29	425	396.98	R59	6.35	8.74	0.8	51	35.2	38.6	58.6	350	14
400	16	597	4090	4105	-	4113	3810	3636	3254	3810	3636	3255	4064	4064	4572	4699	366	13	635	874	1270	445	5395	16	29	483	454.02	R64	6.35	8.74	0.8	64	45.3	44.5	76.6	400	16
450	18	635	4600	4618	-	4624	4286	4096	3668	4287	4096	3667	4572	4572	5048	5334	397	13	683	968	1397	492	5780	16	32	546	517.52	R68	6.35	8.74	0.8	75	49.7	54.4	94.5	450	18
500	20	699	5110	5131	-	5144	4778	4556	4080	4778	4556	4080	5080	5080	5588	5842	429	13	730	1031	1445	540	6350	20	32	597	558.8	R72	6.35	8.74	0.8	94	63.5	70.3	123	500	20
600	24	815	6130	6160	-	6160	5746	5478	4806	5747	5477	4806	6096	6096	6636	6922	477	13	826	1113	1524	635	7495	20	35	711	673.1	R76	6.35	8.74	0.8	133	90.5	95.3	188	600	24



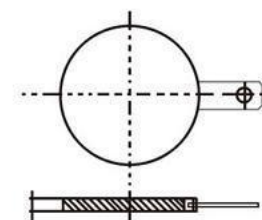
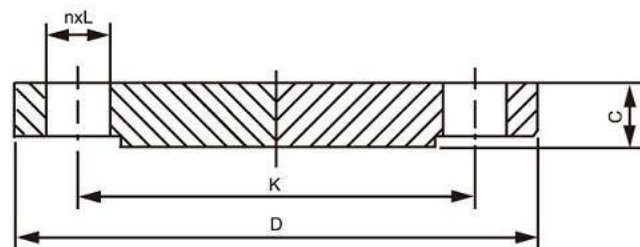
平面 (FF) 突面 (RF) 对焊钢制管法兰 (WN) 平面 (FF) 突面 (RF) 带颈平焊钢制管法兰 (SO) 平面 (FF) 突面 (RF) 板式平焊钢制管法兰 (PL)

单位: mm

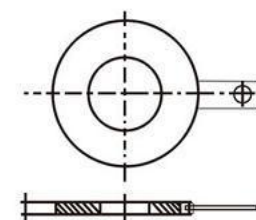
公称 通径	法兰焊端		连接尺寸						密封面		板式平焊法兰			带颈平焊法兰					带颈对焊法兰										法兰内径	
	外径 钢管外径 A1	法兰 外径 D	螺栓孔 中心 圆直径 K	螺栓 孔径 L	螺栓 数量 N	螺栓 规格 Th	d	f	厚度 C	理论 重量 (kg)	厚度 C	高度 H	坡口 宽度 B	法兰颈			理论 重量 (kg)	厚度 C	高度 H	法兰颈					理论 重量 (kg)	B (1)				
														N1	R1	重量				厚度	高度	法兰颈		S		H1≈	R	重量	A	B
																						A	B							
D	NA	B	D	K	L	N	Th	d	f	C	C	H	B	A	B	R1	重量	厚度	高度	A	B	S	H1≈	R	重量	A	B			
10	17.2	14	90	60	14	4	M12	41	2	14	0.61	14	22	—	30	30	3	0.65	14	35	28	28	2	6	3	0.66	18	15		
15	21.3	18	95	65	14	4	M12	46	2	14	0.68	14	22	—	35	35	3	0.72	14	38	32	32	2	6	3	0.75	22	19		
20	26.9	25	105	75	14	4	M12	56	2	16	0.94	16	26	—	45	45	4	1.03	16	40	40	40	2.3	6	4	1.05	27.5	26		
25	33.7	32	115	85	14	4	M12	65	2	16	1.12	16	28	—	52	52	4	1.24	16	40	46	46	2.6	6	4	1.26	34.5	33		
32	42.4	38	140	100	18	4	M16	76	2	18	1.86	18	30	—	60	60	5	2.02	18	42	56	56	2.6	6	5	2.05	43.5	39		
40	48.3	45	150	110	18	4	M16	84	2	18	2.12	18	32	—	70	70	5	2.36	18	45	64	64	2.6	7	5	2.37	49.5	46		
50	60.3	57	165	125	18	4	M16	99	2	20	2.77	20	34	—	84	84	5	3.08	20	48	74	74	2.9	8	6	3.11	61.5	59		
65	76.1	76	185	145	18	4	M16	118	2	20	3.31	20	32	—	104	104	6	3.66	20	48	92	92	2.9	10	6	3.74	77.5	78		
80	88.9	89	200	160	18	8	M16	132	2	20	3.59	20	34	—	118	118	6	4.08	20	50	110	110	3.2	10	6	4.22	90.5	91		
100	114.3	108	220	180	18	8	M16	156	2	22	4.57	22	40	—	140	140	6	5.4	22	52	130	130	3.6	12	6	5.39	116	110		
125	139.7	133	250	210	18	8	M16	184	2	22	5.65	22	44	—	168	168	6	7.01	22	55	158	158	4	12	8	6.88	141.5	135		
150	168.3	159	285	240	22	8	M20	211	2	24	7.61	24	44	—	195	195	8	9.1	24	55	184	184	4.5	12	8	9.13	170.5	161		
200	219.1	219	340	295	22	8	M20	266	2	24	9.24	24	44	—	246	246	8	10.6	24	62	234	234	6.3	16	10	11.8	221.5	222		
250	273	273	395	350	22	12	M20	319	2	26	11.9	26	46	—	298	298	10	13.4	26	68	288	288	6.3	16	10	15.6	276.5	276		
300	323.9	325	445	400	22	12	M20	370	2	28	14.6	26	46	—	350	350	10	15.4	26	68	342	342	7.1	16	10	18.6	327.5	328		
350	355.6	377	505	460	22	16	M20	429	2	30	18.9	26	53	—	400	400	10	20.5	26	68	390	402	8	16	10	22.8	359.5	381		
400	406.4	426	565	515	26	16	M24	480	2	32	24.4	26	57	—	456	456	10	27.6	26	72	440	458	8	16	12	28.2	411	430		
450	457	480	615	565	26	20	M24	530	2	35	27.9	28	63	12	502	502	12	31.1	28	72	488	510	10	16	12	31.7	462	485		
500	508	530	670	620	26	20	M24	582	2	38	34.9	28	67	12	559	559	12	38.1	28	75	540	562	11	16	12	36.8	513.5	535		
600	610	630	780	725	30	20	M27	682	2	42	48.1	28	75	12	658	658	12	48.1	28	80	640	660	12	5	18	—	52	616.5	636	
700	711	720	895	840	30	24	M27	794	5	—	—	—	—	—	—	—	—	—	30	80	746	755	12	5	18	—	64.5	—	—	
800	813	820	1015	950	33	24	M30X2	901	5	—	—	—	—	—	—	—	—	—	32	90	848	855	12	5	18	—	87	—	—	
900	914	920	1115	1050	33	28	M30X2	1001	5	—	—	—	—	—	—	—	—	—	34	95	948	954	12	5	20	—	106.1	—	—	
1000	1060	1020	1230	1160	36	28	M33X2	1112	5	—	—	—	—	—	—	—	—	—	34	95	1050	1054	12	5	20	—	123.9	—	—	

盲板 Blind flange

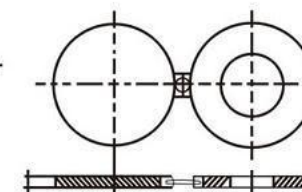
八字盲板 Spectacle blind



插板 Paddle Blind Flange



插环 Paddle Space Flange



八字盲板 Figure 8 Blind Flange



工程尺寸 DN	连接尺寸					法兰厚度 C
	法兰外径 D	螺栓孔中心圆直径 K	螺栓孔直径 L	螺栓孔数量 n (个)	螺栓 Th	
10	90	60	14	4	M12	16
15	95	65	14	4	M12	16
20	105	75	14	4	M12	18
25	115	85	14	4	M12	18
32	140	100	18	4	M16	18
40	150	110	18	4	M16	18
50	165	125	18	4	M16	18
65	185	145	18	8	M16	18
80	200	160	18	8	M16	20
100	220	180	18	8	M16	20
125	250	210	18	8	M16	22
150	285	240	22	8	M20	22
200	340	295	22	8	M20	24
250	395	350	22	12	M20	26
300	445	400	22	12	M20	26
350	505	460	22	16	M20	26
400	565	515	26	16	M24	26
450	615	565	26	20	M24	28
500	670	620	26	20	M24	28
600	780	725	30	20	M27	34
700	895	840	30	24	M27	38
800	1015	950	33	24	M30	42
900	1115	1050	33	28	M30	46
1000	1230	1160	36	28	M33	52
1200	1455	1380	39	32	M36x3	60

公称口径 Nominal Size DN	NPS	150LB 2.0MPa	300LB 5.0MPa	600LB 10.0MPa	900LB 15.0MPa	1500LB 25.0MPa	2500LB 42.0MPa
15	1/2	3	6	6	6	6	10
20	3/4	3	6	6	6	10	10
25	1	3	6	6	6	10	10
32	1 1/4	6	6	10	10	10	13
40	1 1/2	6	6	10	10	13	16
50	2	6	10	10	13	13	16
65	2 1/2	6	10	13	13	16	19
80	3	6	10	13	16	19	22
90	3 1/2	10	13	16	-	-	-
100	4	10	13	16	19	22	28
125	5	10	16	19	22	28	35
150	6	13	16	22	25	35	41
200	8	13	22	28	35	41	54
250	10	16	25	35	41	51	67
300	12	19	28	41	48	60	79
350	14	19	32	44	54	67	-
400	16	22	38	51	60	76	-
450	18	25	41	54	67	86	-
500	20	28	44	64	73	95	-
600	24	32	51	73	89	111	-

说明:

- 1、本系列产品符合API590要求，用于符合下列要求的突面法兰：ANSI B16.5、SH3406、ISO7005-1、GB9112-9124、HG20615(美洲体系)。
- 2、盲板、插环及八字盲板厚度均已包括腐蚀裕量：碳钢、低合金钢、低温钢裕量为1.3mm；不锈钢裕量为0mm。
- 3、本系列产品适用于平垫片，如用于其它型式垫片(如八角垫等)应与制造厂协商，并调整厚度。
- 4、也可按HG21547-93要求生产。

公称口径 Nominal Size DN	0.6MPa	1.0MPa	1.6MPa	2.5MPa	4.0MPa
15	8	8	8	8	8
20	8	8	8	8	8
25	8	8	8	8	9/8
32	8	8	8	8	10/8
40	8	8	8	9/8	10/8
50	8	8	9/8	10/8	12/10
65	8	8	10/8	11/9	13/11
80	8	8	10/8	12/10	14/12
100	10/8	8	12/10	14/12	16/14
125	11/9	9/8	13/11	16/14	19/17
150	12/10	10/8	15/13	17/15	21/19
200	14/12	12/10	17/15	21/19	27/25
250	17/15	13/11	20/18	25/23	32/30
300	19/17	15/13	23/21	29/27	37/35
350	21/19	17/15	26/24	33/31	42/40
400	23/21	18/16	29/27	36/34	48/46
450	25/23	20/18	32/30	39/37	50/48
500	28/26	22/20	35/33	43/41	54/52
600	32/30	25/23	41/39	51/49	65/62

说明:

- 1、本系列产品符合HG21547-93要求，用于符合下列要求的突面法兰：GB9113-9122、HG20592(欧洲体系)、ISO7005-1、DIN、JB管法兰。
- 2、盲板、插环及八字盲板厚度均已包括腐蚀裕量：碳钢、低合金钢、低温钢裕量2.0mm；不锈钢裕量为0mm。上述表中有分子/分母P者，分子为碳钢，低合金钢厚度，分母为不锈钢厚度。
- 3、本系列产品适用于平垫片，如用于其它型式垫片(如八角垫等)应与制造厂协商，并调整厚度。



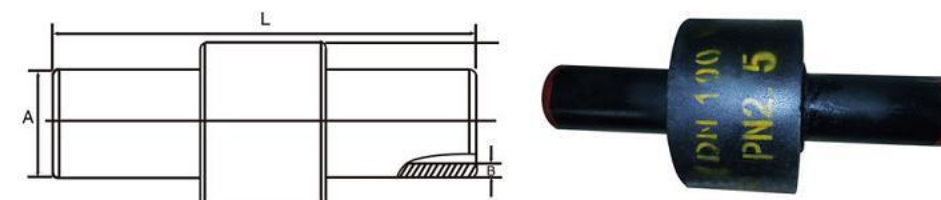
配件篇

Fittings

<http://www.huilinpipe.com>

材质为碳钢，不锈钢

标准为：SY0516，HCRJ 070，GB/T12777 GB/T14525



一、绝缘接头概述：

绝缘接头是燃气输配和石油管线系统中不可缺少的重要管道附件，主要应用于燃气输配系统和燃气调压站，其作用是将燃气输配管线的各段间、燃气调压站与输配管线间相互绝缘隔离，保护其不受电化学腐蚀，延长使用寿命，还可直接埋地使用。本公司的整体式绝缘接头是在同国外产品进行对比、分析、研究的基础上着重针对我国燃气输配管线中经常出现的泄漏问题进行设计的。钢管材质：钢管GB/T8163、钢管16MnGB/T6479、L450*1(X65)GB/T9711

二、产品结构和工作原理：

整体式绝缘接头由下面各零件组成：上、下管、套筒、绝缘件、密封件、绝缘涂层。在绝缘接头的上、下管对接端面件，夹有绝缘件和密封件，形成具有绝缘性能的双密封结构。套筒采用坡口焊接或与上管直接焊接两种形式，将绝缘件和上、下管牢固封裹在里面，形成“密封容器”，从而既保证了良好的绝缘效果，又大大提高了绝缘结构的承压能力。

三、型号说明



DN400B-64代表公称通径为DN400，压力等级为6.4Mpa的整体式绝缘接头，采用公制管。

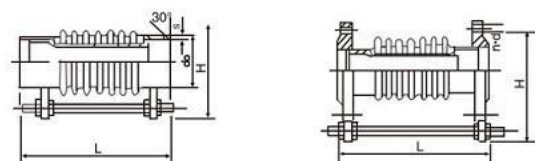
For example: DN400B-64 represents the insulating joint of DN400 and 6.4Mpa press class.

波纹补偿器

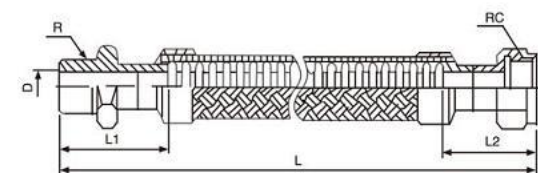
Metallic Expansion Joint

金属软管

metal hose



1.0 YSTA 100 x 8 F/J
法兰连接/接管连接
波纹管波数
公称直径 (mm)
产品型号
公称压力 (MPa)



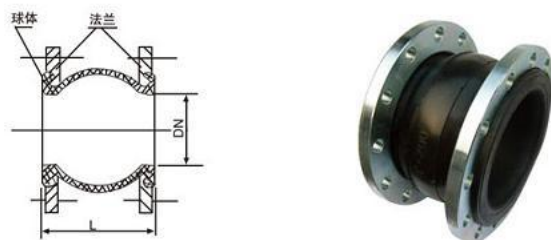
执行标准: MSS SP-97、GB19326、Q/FG16

公称通径DN	计算疲劳破坏次数下轴向补偿量 X(mm)				补偿量		刚度		有效面积A	轴向最大外形	接管端口尺寸	总长L(mm)			总重W(kg)		
mm	1500	3000	15000	轴向Y(mm)	轴向Y 6度	轴向Gx(N/mm)	轴向Ky(N/mm)	轴向Gx(N/mm)	cm ²	尺寸H(mm)	asD(mm)或接管	法兰	接管	法兰	接管		
80	30	35	18	6.4	±6.4	358	286	214	8.4		φ89x4	244	344	10	3		
	37	32	22	10	±8				81	284		274	374	10	3		
100	33	28	20	3.6	±3.6	417	1471	14	121	304	φ108x4	223	323	11	3		
	56	47	33	10	±8	250	318	8.5				287	387	13	5		
125	36	32	21	2.5	±4.4	408	2885	21	180	334	φ133x4	216	318	13	4		
	65	58	39	8	±8	227	495	12				288	388	14	5		
150	48	41	27	2.5	±5	300	2889	20	257	364	φ159x4.5	238	338	17	7		
	77	65	43	6.4	±8	188	705	23				298	398	18	8		
	56	47	31	3.2	±5.3	288	3164	39				244	344	25	17		
200	84	70	46	7.2	±8	192	9938	26	479	442	φ219x6	298	340	27	20		
	63	53	36	4.8	±5.3	588	4371	128	769	497	φ273x8	309	409	38	22		
250	95	80	53	10.8	±8	392	1295	85				387	487	43	27		
	65	54	37	6.4	±5.8	830	4444	249	1105	547	φ325x8	358	458	49	32		
300	82	68	44	14	±5.8	553	1317	166				456	556	56	39		
	72	60	40	6	±8	840	4829	309	1307	607	φ377x10	387	487	73	46		
350	107	90	61	14	±8	560	1431	206				499	599	82	55		
400	74	62	42	6	±5.2	918	6199	420	1611	685	φ426x10	400	500	91	54		
	112	93	63	14	±7.8	612	1837	280				510	610	107	65		
450	82	69	46	4.8	±5.2	690	8210	379	1972	735	φ478x10	389	489	111	68		
	124	103	68	10.8	±7.8	450	2433	253				459	589	121	78		
500	84	70	47	4.8	±4.6	728	9861	515	2445	790	φ529x10	415	517	126	82		
	126	105	70	10.8	±6.9	485	2922	343				515	615	138	93		
600	86	72	48	4.8	±4	1468	20516	1477	3534	920	φ630x10	458	558	167	127		
	129	108	72	10.8	±6	978	6078	985				658	758	181	141		
700	43	36	24	1.2	±1.7	3250	209996	4445	4717	1050	φ720x10	346	446	267	160		
	85	72	48	4.8	±3.4	1625	26237	2222				466	566	285	178		
	128	107	72	10.8	±5.1	1083	5831	1482				666	766	313	206		
800	42	35	24	0.8	±1.5	3555	382607	6122	5822	1165	φ820x10	354	454	385	180		
	84	70	48	3.2	±3	1778	47826	3081				474	576	403	234		
	168	141	96	12.8	±6	889	5678	1530				594	694	456	286		
900	58	49	33	1.6	±1.5	2657	182480	5921	7620	1186	φ920x10	550		238			
	117	97	65	6.4	±3	1329	22810	2960				698		287			
	234	194	130	25.6	±6	664	2851	1480				1036		385			
1000	58	46	28	1.2	±1.4	5540	495368	14861	9043	1286	φ1020x10	552		278			
	115	92	56	4.6	±2.8	2770	61921	7431				692		348			
	230	184	112	19.2	±5.6	1385	7740	3715				1018		468			
	62	50	30	0.8	±1.4	5140	806108	16122				550		301			
1100	124	99	60	3.2	±2.8	2570	100764	8061	11029	1386	φ1120x10	690		364			
	248	198	120	12.8	±5.6	1285	12585	4031				1046		487			
1200	62	50	30	0.8	±1.3	5435	925123	19927	12688	1486	φ1220x14	550		378			
	124	99	60	3.2	±2.6	2718	115645	9963				692		464			
	248	198	120	12.8	±5.2	1369	14546	4982				1046		628			
1300	47	37	22	0.4	±0.9	5385	1450200	22559	15066	1600	φ1320x14	550		406			
	94	75	44	1.6	±1.8	2693	181275	11279				690		495			
	187	150	88	6.4	±3.6	1364	22659	5640				1046		678			
1400	46	37	22	0.4	±0.8	5790	1688923	29656	17326	1700	φ1420x14	550		433			
	92	74	44	1.6	±1.6	2895	211115	14778				690		530			
	184	147	88	6.4	±3.2	1448	28388	7589				1046		742			
	46	36	22	0.4	±0.8	6090	1879309	32888				550		462			
1500	92	73	44	1.6	±1.6	3045	234914	16444	19384	1786	φ1520x14	690		567			
	183	146	88	6.4	±3.2	1523	29364	822				1046		761			
	45	36	22	0.4	±0.7	6490	2148074	42961				552		492			
1600	91	72	44	1.6	±1.7	3245	2688509	21481	22300	1900	φ1620x14	690		601			
	182	144	88	6.4	±2.8	1623	33564	10740				1046		829			
1700	45	36	22	0.4	±0.7	6783	2363811	47276	25024	2000	φ1720x14	550		517			
	90	72	44	1.6	±1.4	3338	295476	23638				692		637			
	180	143	88	6.4	±2.8	1699	36935	11819				1046		872			
	45	35	22	0.4	±0.6	7140	262408	61228	27494	2066	φ1820x14	550		547			
1800	89	71	44	1.6	±1.2	3570	328010	30614				690		665			
	178	142	88	6.4	±2.4	1785	41001	15307				1046		883			
	53	42	25	0.4	±0.6	8785	3871980	91666				683		819			
2000	107	85	50	1.6	±1.2	4390	463908	45933	34636	2340	φ2020x14	833		927			
	214	170	101	6.4	±2.4	2195	60499	21917				1206		1164			

注：轴向内压式波纹补偿器主要用于补偿轴向位移，也可补偿横向位移或轴向与横向合成位移，具有补偿角位移的能力，但一般不应用它补偿角位移。以上数据为常压1.0MPa，若有特殊要求，可另行制作。

橡胶软接头

Rubber Expansion Joint



可曲挠橡胶接头又称作减振器、管道减振器、避震喉、软接头等，是一种高弹性、高气密性，耐介质性和耐气候性的管道接头，它的性能特点有1、体积小、重量轻、弹性好、安装维修方便。2、安装时可产生横向、轴向、角向位移，不受管道不通心，法兰不平行的限制。3、工作时可降低结构传递噪音，吸振能力强。4、我公司自主研发的内无缝高压橡胶接头，在耐高温、耐酸碱、耐油的管道中更有效地防止了腐蚀性介质对橡胶接头内壁的侵蚀，提高了使用寿命。使用范围：由于可曲挠橡胶接头具有良好的综合性能，所以它广泛用于化工、建筑、给水、排水、石油、轻重工业、冷冻、卫生、水暖、消防、电力等基础工程。使用说明：1、高层给水使用本产品，必须有固定支撑或固定托架，否则产品应安装防拉脱装置。

技术条件(两种类别)

项目	型号	KXT-1	KXT-2	KXT-3
工作压力MPa(kgf/cm ²)		1 (10)	1.6 (16)	2.5 (25)
爆破压力MPa(kgf/cm ²)		2 (20)	3 (30)	4.5 (45)
真空度KPa(mm/Hg)		53.3 (400)	86.7 (650)	100 (750)
适用温度℃		-15℃~115℃特殊可达-30℃~160℃		
适用介质		空气、压缩空气、水、海水、热水、油、酸、碱等。		

公称口径		长度 L	螺栓数	螺栓直径 mm	螺栓孔中心 (圆直径mm)	轴向位移mm		横向位移 mm	偏转角度 α1+α2
mm	英寸					伸长	压缩		
32	1.25	95	4	18	100	6	9	9	15
40	1.5	95	4	18	110	6	10	9	15
50	2	105	4	18	125	7	10	10	15
65	2.5	115	4	18	145	7	13	11	15
80	3	135	4	18	160	8	15	12	15
100	4	150	8	18	180	10	19	13	15
125	5	165	8	18	210	12	19	13	15
150	6	180	8	23	240	12	20	14	15
200	8	210	8	23	295	16	25	22	15
250	10	230	12	23	350	16	25	22	15
300	12	245	12	23	400	16	25	22	15
350	14	255	16	23	460	16	25	22	15
400	16	255	16	25	515	16	25	22	15
450	18	255	20	25	565	16	25	22	15
500	20	255	20	25	620	6	25	22	15
600	24	260	20	30	725	6	25	22	15
700	28	260	24	30	840	16	25	22	15
800	32	260	24	34	950	16	25	22	15
900	36	260	28	34	1050	6	25	22	15
1000	40	260	28	34	1160	18	26	24	15
1200	48	260	32	41	1380	18	26	24	15
1400	56	350	36	34	1560	20	28	26	15
1600	64	350	40	34	1760	25	35	30	10
1800	72	350	44	41	1970	25	35	30	10
2000	80	420	48	48	2180	25	35	30	10
2200	88	580	52	48	2390	25	35	30	10
2400	96	610	56	48	2600	25	35	30	10
2600	104	650	60	54	2810	25	35	30	10
2800	112	680	64	54	3020	25	35	30	10
3000	120	680	68	54	3220	25	35	30	10

注：1、特殊要求可来函图定制，法兰按《全国通用给排水标准图集》，其它按HG/T2289-92。

2、DN350-600(2)型工作压力为1.6MPa，DN32-400(3)型工作压力为2.5MPa。

3、DN700-DN200工作压力为1.0MPa，DN1400工作压力为0.6MPa，DN1600-DN1800工作压力为0.4MPa，法兰按0.6MPa选取。DN2000工作压力为0.25MPa，法兰按0.6MPa压力选取。

4、高层给水使用DN200以上产品，管道必须有固定支撑或固定托架，否则产品应安装防拉脱装置。

<http://www.huilinpipeline.com>



钢管贸易业务篇

Steel Business Trade

<http://www.huilinpipeline.com>

无缝钢管SEAMLESS STEEL PIPE:

直缝钢管 ERW/LSAW WELDED STEEL PIPE:

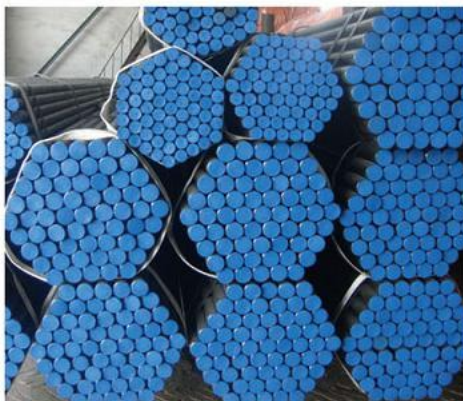
螺旋钢管 THE SSAW WELDED STEEL PIPE:

镀锌钢管HOT GALVANEZED STEEL PIPE:

防腐钢管 PE COATING STEEL PIPE:

公司产品规格齐全，广泛应用于石油、化工、电力、水利、建筑、消防、输送管道等领域。

本公司以一流的服务，合理的价格，为客户提供优质的产品，和客户互惠互利，共谋发展。



技术篇

TECHNICAL SPECIFICATION

<http://www.huilinpipeline.com>

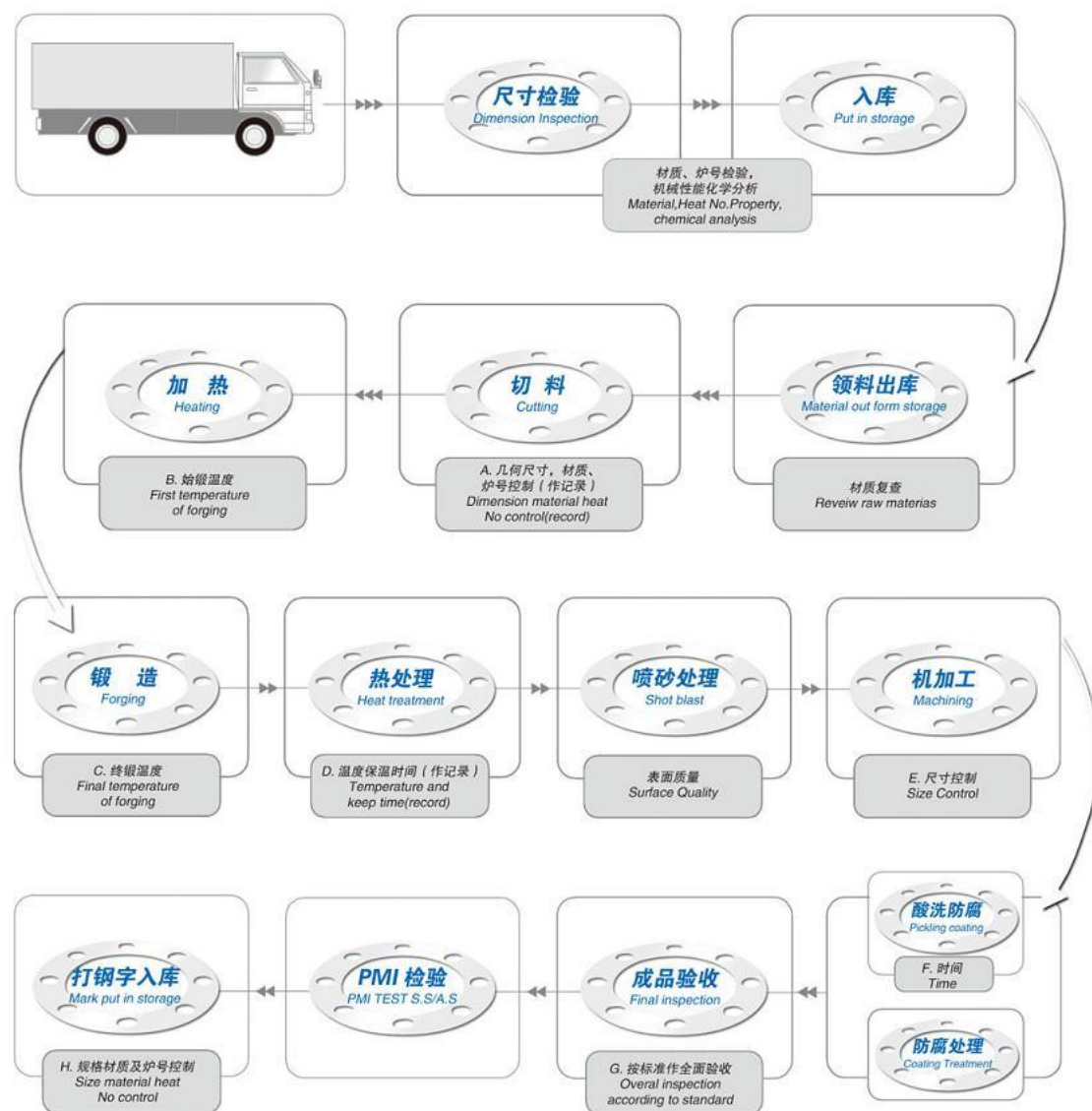
材质：碳钢，不锈钢，合金钢。

标准为：ASME B 16.5 ASME B 16.47, JIS2220 DIN2576 DIN2527 GB/T9112-9124 HG20592-20635 JB/T4700-4707

法兰工艺

Flange Production Flow Chart

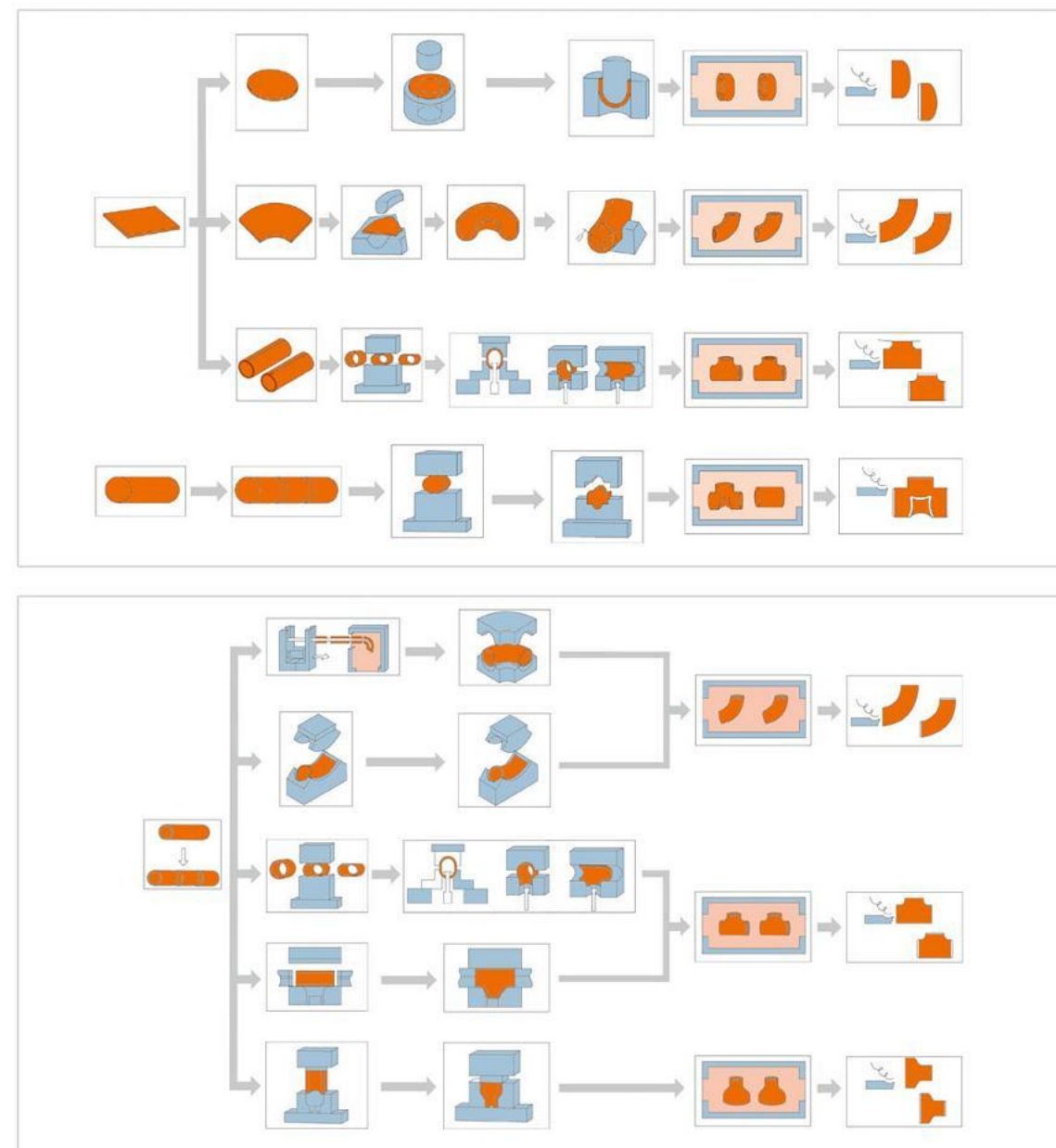
◆ 法兰生产工艺流程图 Production process for flange



管件工艺

Pipe Fittings Flow Chart

◆ 管件生产工艺流程图 Production process for pipe fitting



产品标准

Product Implementation Of Standards

中外材料1

Materials 1

◆管件执行标准一览表 pipe fitting produced by the following standard

ASME SA-234	中、高温用钢制碳钢和合金钢管道配件	Medium and high temperature used carbon and alloy steel pipe fittings
ASME SA-420	低温用钢制碳钢和合金钢管道配件	Low temperature forged carbon and alloy steel pipe fittings
ASME SA-403	锻制奥氏体不锈钢管配件	Forged Durimet pipe fittings
ASME B16.9	工厂制造的钢制对焊管件	Factory-Made wrought steel pipe fittings
ASME B16.11	承插焊和螺纹锻钢管件	Socket-welding and Threaded forged fittings
ASME B16.28	锻钢对焊小半径弯头和回弯头	Wrought steel butt-welding short radius elbows and returns
ASME B16.5	管法兰和法兰配件	Pipe Flanges and Flanged Fittings
ASME B16.47	大直径钢法兰	Large Diameter Steel Flanges
MSS SP-43	锻制不锈钢对焊管件	Wrought stainless steel butt-welding fittings
MSS SP-75	锻钢制对焊管件	Forging butt-welding fittings
MSS SP-79	承插焊异径插入件	Socket-welding reducing Inserts
MSS SP-83	3000磅级的钢制承插焊和螺纹活接头	Class 3000 steel socket-welding and threaded unions
MSS SP-95	缩径管和圆堵头	Specification for Hight-Test Wrought Butt-Welding Fittings
MSS SP-97	承插焊、螺纹和对焊端的整体加强式管座	SW、TH and BW ends for integrally reinforced forged branch outlet
MSS SP-44	钢制管法兰	Steel Pipeline Flanges
JIS B2220	钢制焊接式管法兰	Steel Pipe Flanges
JIS B2238	钢制管法兰通则	GENERAL RULES FOR STEEL PIPE FLANGES
JIS B2311	通用钢制对焊管件	Universal steel butt-welding pipe fittings
JIS B2312	钢制对焊管件	Steel butt-welding pipe fittings
JIS B2313	钢板制对焊管件	Steel plate butt-welding pipe fittings
JIS B2316	钢制承插焊管件	Steel socket-welding pipe fittings
DIN 2605	钢制对焊管件弯头和弯管	Steel butt-welding pipe fittings.elbows and bends
DIN 2615	钢制对焊管件三通	Steel butt-welding pipe fittings.tees
DIN 2616	钢制对焊管件异径管	Steel butt-welding pipe fittings.reducers
DIN 2617	钢制对焊管件管帽	Steel butt-welding pipe fittings.caps
BS 1560	管、阀门和配件用圆法兰	Circular flanges for pipes, valves and fittings
BS 4504	管、阀门和配件用圆法兰	Circular flanges for pipes, valves and fittings
GB/T 12459	钢制对焊无缝管件	Steel butt-welding seamless fittings
GB/T 13401	钢板制对焊管件	Steel plate butt-welding pipe fittings
GB/T 14383	锻钢制承插焊管件	Forged steel socket-welding pipe fittings
GB/T 14626	锻钢制螺纹管件	Forged steel threaded pipe fittings
GB/T 9112~9124	钢制管法兰	Steel Pipeline Flanges
GB/T 13402	大直径碳钢管法兰	Large Diameter Steel Flanges
SH 3408	钢制对焊无缝管件	Steel butt-welding seamless fittings
SH 3409	钢板制对焊管件	Steel plate butt-welding pipe fittings
SH 3410	锻钢制承插焊管件	Forged steel socket-welding pipe fittings
HG/T21634	锻钢制承插焊管件	Forged steel socket-welding pipe fittings
HG/T21635	碳钢、低合金钢无缝对焊管件	Steel butt-welding seamless fittings
HG/T21631	钢制有缝对焊管件	Steel plate butt-welding pipe fittings
HG 20592~20635	钢制管法兰、垫片、紧固件	Pipe Flanges and Flanged Fittings
SH 3406	石油化工钢制管法兰	Steel pipe flanges for petrochemical industry
GD 87-1101	火力发电厂汽水管道零件及部件典型设计手册	Typical design manual of pipe parts for steam power plant
DL/T 515	电站弯管	Bends for power plant
DL/T 695	电站钢制对焊管件	Steel butt-welding fittings for power plant
JB/T 74~90	管路法兰及垫片	Pipe Flanges and Flanged Fittings
SY/T 0510	钢制对焊管件	Steel butt-welding seamless fittings
ISO 3419	非合金和合金钢对焊管件	Non-alloy steel and alloy steel butt-welding fittings
ISO 5251	不锈钢对焊管件	Stainless steel butt-welding fittings

化学成分对照表 COMMON MATERIAL ' S TACHNICAL STANDARD LIST

类型 Type	标准号 Standard and Code	级别 Grade	化学成分 Chemical Composition, max										力学性能 Mechanical Properties		
			C	Mn	P	S	Si	Cr	MO	Cu	Other	σ b MPa min	σ 0.2 MPa min	HB Max	Other
管件 FITTING	ASTM A234/A234M	WPB	≤0.30	0.29-1.06	0.050	0.058	≤10min	≤0.40	≤0.15	≤0.40	—	415-585	240	197	—
		WP12CL1	0.05-0.02	0.30-0.80	0.045	0.045	≤0.60	0.80-1.25	0.44-0.65	—	—	415-585	220	197	—
		WP12CL2	0.05-0.20	0.30-0.80	0.045	0.045	≤0.60	0.80-1.25	0.44-0.65	—	—	485-655	275	197	—
		WP11CL1	0.05-0.15	0.30-0.60	0.30	0.30	0.90-1.00	1.00-1.50	0.44-0.65	—	—	415-585	205	197	—
		WP22CL1	0.05-0.15	0.30-0.60	0.040	0.040	≤0.50	1.90-2.60	0.87-1.13	—	—	415-585	205	197	—
		WP5CL1	≤0.15	0.30-0.60	0.040	0.030	≤0.50	4.0-6.0	0.44-0.65	—	—	415-585	205	217	—
		WP9CL1	≤0.15	0.30-0.60	0.030	0.030	≤1.00	8.0-10.0	0.90-1.10	—	—	415-585	205	217	—
		WPR	≤0.20	0.30-0.60	0.045	0.050	—	—	1.60-2.24	0.75-1.25	—	435-605	315	217	—
		WP91	0.08-0.12	0.30-0.60	0.020	0.010	0.20-0.50	8.00-9.5	0.85-1.05	—	see standard	585-760	415	248	—
		WP911	0.09-0.13	0.30-0.60	0.020	0.010	0.10-0.50	8.5-10.5	0.90-1.10	—	see standard	620-840	440	248	—
		WP304	0.08	2.00	0.045	0.030	1.00	18.0-20.0	8.0-11.0	—	—	515	205	—	—
		WP304L	0.035	2.00	0.045	0.030	1.00	18.0-20.0	8.0-12.0	—	—	485	170	—	—
		WP310	0.15	2.00	0.045	0.030	1.5	24.0-26.0	19.0-22.0	—	—	515	205	—	—
		WP316	0.08	2.00	0.045	0.030	1.00	16.0-18.0	10.0-14.0	—	—	515	205	—	—
		WP321	0.08	2.00	0.045	0.030	1.00	16.0-18.0	10.0-13.0	—	—	550	204	—	—
管件 ORGING	ASTM A403/A403M	WP316	0.035	2.00	0.045	0.030	1.00	16.0-18.0	10.0-13.0	—	—	515	205	—	—
		WP321	0.08	2.00	0.045	0.030	1.00	17.0-19.0	9.0-12.0	—	—	515	205	—	—
		WP347	0.08	2.00	0.045	0.030	1.00	17.0-19.0	9.0-12.0	—	—	515	205	—	—
		WPL6	0.30	0.50-1.35	0.035	0.040	0.15-0.40	0.30	0.12	0.40	—	415-585	240	—	—
		WPL9	0.20	0.4-1.06	0.030	0.030	—	—	1.60-2.24	0.75-1.25	—	435-610	315	—	—
		WPL3	0.20	0.31-0.64	0.05	0.05	0.13-0.37	—	3.2-3.8	—	—	450-620	240	—	—
		WPL8	0.13	0.90	0.030	0.030	0.13-0.37	—	8.4-9.6	—	—	690-865	515	—	—
		UNS31803	0.030	2.0	0.030	0.020	0.10	21.0-23.0	2.05-3.05	4.50-6.50	—	620-795	450	—	—
		A105	0.35	0.60-1.05	0.035	0.040	0.10-0.35	0.30	0.12	0.40	—	485.00	250	187	—
		F1CL1	0.05-0.15	0.30-0.60	0.030	0.030	0.50-1.00	1.00-1.50	0.44-0.65	—	—	415	205	121-174	—
		F12CL2	0.10-0.20	0.30-0.80	0.040	0.040	0.10-0.60	0.80-1.25	0.44-0.65	—	—	485	275	143-207	—
		F304	0.08	2.00	0.045	0.030	1.00	18.0-20.0	8.0-11.0	—	—	515	205	—	—
		F304L	0.035	2.00	0.045	0.030	1.00	18.0-20.0	8.0-13.0	—	—	485	170	—	—
		F316L	0.035	2.00	0.045	0.030	1.00	16.0-18.0	2.00-3.00	10.0-15.0	—	485	170	—	—
		F321	0.08	2.00	0.045	0.030	1.00	17.0-19.0	9.0-12.0	—	—	515	205	—	—
管 PIPE	ASTM A53/A53M	F347	0.08	2.00	0.045	0.030	1.00	17.0-20.0	9.0-13.0	—	—	515	205	—	—
		B	0.30	1.20	0.02	0.045	—	0.40	0.15	0.40	—	415	240	—	—
		B	0.30	0.29-1.06	0.035	0.035	0.10min	0.40	0.15	0.40	—	415	204	—	—
		C	0.35	0.29-1.06	0.035	0.035	0.10min	0.40	0.15	0.40	—	485	275	—	—
		TP304	0.08	2.00	0.040	0.030	0.75	18.0-20.0	8.0-11.0	—	—	515	205	—	—
		TP304L	0.035	2.00	0.040	0.030	0.75	18.0-20.0	8.0-13.0	—	—	485	170	—	—
		TP316L	0.035	2.00	0.040	0.030	0.75	16.0-18.0	2.00-3.00	10.0-15.0	—	485	170	—	—
		TP321	0.08	2.00	0.040	0.030	0.75	17.0-20.0	9.0-13.0	—	—	415	205	—	—
		P5	0.15	0.30-0.60	0.025	0.025	0.50	4.00-6.00	0.45-0.65	—	—	415	205	—	—
		P5b	0.15	0.30-0.60	0.025	0.025	1.00-2.00	4.00-6.00	0.45-0.65	—	—	415	205	—	—
		P5c	0.12	0.30-0.60	0.025	0.025	0.50	4.00-6.00	0.45-0.65	—	—	415	205	—	—
		P9	0.15	0.30-0.60	0.025	0.025	0.50-1.00	8.00-10.0	0.90-1.10	—	—	415	205	—	—
		P11	0.05-0.15	0.30-0.60	0.025	0.025	0.50-1.00	1.00-1.50	0.44-0.65	—	—	415	205	—	—
		P12	0.05-0.15	0.30-0.61	0.025	0.025	0.50	0.80-1.25	0.44-0.65	—	—	415	220	—	—
		P22	0.05-0.15	0.30-0.60	0.025	0.025	0.50	1.90-2.60	0.87-1.13	—	—	415	205	—	—
		P31	0.08-0.12	0.30-0.60	0.025	0.025	0.20-0.50	8.00-9.5	0.85-1.05	0.40	—	585	415	—	—

中外材料2
Materials 2

壁厚等级表
Wall Thickness Rating Table

化学成分对照表 COMMON MATERIAL' S TACHNICAL STANDARD LIST

钢种 Variety	牌号 Grade	标准号 Standard and Code	类型Type	化学成分Chemical Composition % Max										力学能力 Mechanical Properties					
				C	Si	Mn	Cr	Ni	Mo	P	S	Other	σ bMPa min	σ bMPa min	σ 5%min	HB Max	Other		
碳钢 Carbon Steel	20	GB	管PIPE	0.17-0.24	0.17-0.37	0.35-0.65	0.25	0.25	----	0.035	0.035	CU:0.25	410-550	245	21	156	AKUJ.39		
	20G	GB	管PIPE	0.17-0.24	0.17-0.37	0.35-0.65	----	----	----	0.035	0.035	----	410-550	245	24	----	ak J/Cm ² : 118		
	20g	GB	板PLATE	0.17-0.24	0.15-0.30	0.35-0.65	----	----	----	0.035	0.035	----	400-540	245	26	----	AKUJ: 27; akU J/cm ² : 29		
	20R	GB	板PLATE	0.22	0.05-0.30	0.35-0.80	----	----	----	0.035	0.035	----	400-530	245	26	----	AKUJ: 27		
	16CrMo	GB	管PIPE	0.15	0.50	0.60	4.00-6.00	0.60	0.45-0.60	0.035	0.030	CU: 0.25	390	195	22	----	AKUJ: 92		
	12CrMo	GB	管PIPE	0.18-0.15	0.17-0.37	0.40-0.70	0.40-0.70	0.30	0.40-0.55	0.035	0.040	CU: 0.25	410-560	205	21	156	AKUJ: 35		
合金钢 Alloy Steel	12CrMoG	GB	管PIPE	0.18-0.15	0.17-0.37	0.40-0.70	0.90-1.20	----	0.40-0.55	0.03	0.035	CU: 0.20	410-560	205	21	----	AKUJ: 35		
	12CRM0V	GB/T	棒BAR	0.18-0.15	0.17-0.37	0.40-0.70	0.90-1.20	0.30	0.25-0.35	0.035	0.030	V: 0.15-0.30; CU: 0.25	490	205	22	179	ψ %50; AKU2		
	12CrMoVG	GB	管PIPE	0.18-0.15	0.17-0.37	0.40-0.70	0.90-1.20	0.30	0.25-0.35	0.03	0.035	V: 0.15-0.30; CU: 0.20	470-640	245	21	----	AKUJ: 35		
	15CrMo	GB	管PIPE	0.12-0.18	0.17-0.37	0.40-0.70	0.8-1.10	0.30	0.40-0.55	0.035	0.035	CU: 0.25	440-640	235	21	170	AKUJ: 47		
	15CrMoG	GB	管PIPE	0.12-0.18	0.17-0.37	0.40-0.70	0.8-1.10	0.30	0.40-0.55	0.03	0.035	CU:0.20	440-640	235	21	----	AKUJ.35		
	15CrMoR	GB	板PLATE	0.12-0.18	0.15-0.37	0.40-0.70	0.8-1.20	0.30	0.45-0.60	0.03	0.030	CU: 0.30	450-590	295	19	----	AKUJ: 31		
奥氏体 不锈钢 Austenitic Stainless Steel	00Cr17Ni14Mo2	GB/T	管PIPE	0.030	1.00	2.00	13.00-18.00	12.00-15.00	2.00-3.00	0.035	0.030	----	480	177	35	----	----		
	00Cr19Ni14Mo2	GB/T	管PIPE	0.030	1.00	2.00	18.00-20.00	8.00-12.00	----	0.035	0.030	----	480	177	35	187	----		
	0Cr17Ni14Mo2	GB/T	管PIPE	0.08	1.00	2.00	16.00-18.50	10.00-14.00	2.00-3.00	0.035	0.030	----	520	205	35	----	----		
	0Cr18Ni9	GB/T	管PIPE	0.07	1.00	2.00	17.00-19.00	8.00-11.00	----	0.035	0.030	----	520	205	35	----	----		
	0Cr18Ni10Ti	GB/T	管PIPE	0.08	1.00	2.00	17.00-19.00	9.00-12.00	----	0.035	0.030	Tr:5C	520	205	35	----	----		
	0Cr18Ni12Mo2Ti	GB/T	管PIPE	0.08	1.00	2.00	16.00-19.00	11.00-14.00	1.80-2.50	0.035	0.030	Ti: 5c-0.7	530	205	35	----	----		
低碳钢 Low Temp erature Steel	1C18Ni9	GB	管PIPE	0.15	1.00	2.00	17.00-19.00	8.00-10.00	----	0.035	0.030	CU: 0.20	520	205	35	----	----		
	09MnNi9	GB3531	板PLATE	0.12	0.15-0.50	1.20-1.60	0.25	0.30-0.80	0.08	0.025	0.020	Nb: 0.04; AlS: 0.015	440-570	290	22	----	Aku J: 27		
	16Mn	GB	板PLATE	0.12-0.20	0.20-0.30	1.20-1.60	----	----	----	0.04	0.040	CU: 0.25	490-670	320	21	----	ak J/ cm ² : 59		
	16MnDR	GB3531	板PLATE	0.2	0.15-0.50	1.20-1.60	0.25	0.40	0.08	0.030	0.025	CU: 0.025	490-620	315	21	----	Aku J: 24		
	16MnR	GB6654	板PLATE	0.2	0.20-0.55	1.20-1.60	0.30	0.30	----	0.035	0.030	CU: 0.30	510-640	345	21	----	AKUJ: 31		
	B	API 5L	管PIPE	0.26	0.04	1.2	----	----	----	0.030	0.030	----	241	390	----	----	----		
管线钢 API 5L	X42	API 5L	管PIPE	0.26	0.04	1.3	----	----	----	0.030	0.030	----	290	390	----	----	----		
	X52	API 5L	管PIPE	0.26	0.04	1.4	----	----	----	0.030	0.030	----	369	450	----	----	----		
	X60	API 5L	管PIPE	0.26	0.04	1.4	----	----	----	0.030	0.030	----	414	550	----	----	----		

NOMINAL PIPE SIZE			OUTSIDE DIAMETER		NOMINAL WALL THICKNESS																NOMINAL PIPE SIZE	
A	B	ASME	JIS	DIN	JIS (1)	DIN (2)	SCH10	SCH20	SCH30	STD	SCH40	SCH60	XS	SCH80	SCH100	SCH120	SCH140	SCH160	XXS	A	B	
15	12"	21.3	21.7	21.3	28	2.0	2.11	-	2.41	2.77	2.77	-	3.73	3.73	-	-	-	-	4.78	7.47	15	12"
20	3/4"	26.7	27.2	26.9	28	2.3	2.11	-	2.41	2.87	2.87	-	3.91	3.91	-	-	-	-	5.56	7.82	20	3/4"
25	1"	33.4	34.0	33.7	32	2.6	2.77	-	2.90	3.38	3.38	-	4.55	4.55	-	-	-	-	6.35	9.09	25	1"
32	1 1/4"	42.2	42.7	42.4	35	2.6	2.77	-	2.97	3.56	3.56	-	4.85	4.85	-	-	-	-	6.35	9.70	32	1 1/4"
40	1 1/2"	48.3	48.6	48.3	35	2.6	2.77	-	3.18	3.68	3.68	-	5.08	5.08	-	-	-	-	7.14	10.15	40	1 1/2"
50	2"	60.3	60.5	60.3	38	2.9	2.77	-	3.18	3.91	3.91	-	5.54	5.54	-	-	-	-	8.74	11.07	50	2"
65	2 1/2"	73.0	76.3	76.1	42	2.9	3.05	-	4.78	5.16	5.16	-	7.01	7.01	-	-	-	-	9.53	14.02	65	2 1/2"
80	3"	88.9	89.1	88.9	42	3.2	3.05	-	4.78	5.49	5.49	-	7.62	7.62	-	-	-	-	11.13	15.24	80	3"
90	3 1/2"	101.6	101.6	-	42	-	3.05	4.5	4.78	5.74	5.74	-	8.08	8.08	-	-	-	-	-	90	3 1/2"	
100	4"	114.3	114.3	114.3	45	3.6	3.05	6.35	4.78	6.02	6.02	-	8.56	8.56	-	11.13	-	-	13.49	17.12	100	4"
125	5	141.3	139.8	139.7	45	4.0	3.40	6.35	-	6.55	6.55	-	9.53	9.53	-	12.70	-	-	15.88	19.05	125	5
150	6	168.3	165.2	168.3	50	4.5	3.40	6.35	-	7.11	7.11	-	10.97	10.97	-	14.27	-	-	18.26	21.95	150	6
200	8"	219.1	216.3	219.1	58	6.3	3.76	7.92	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	21.44	25.40	23.01	22.23	200	8"
250	10"	273.0	267.4	273.0	66	6.3	4.19	7.92	7.80	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	25.40	25.40	250	10"
300	12"	323.8	318.5	323.9	69	7.1	4.57	7.92	8.38	9.53	10.31	14.27	12.70	17.48	17.48	19.05	23.63	27.79	31.75	35.71	300	12"
350	14"	355.6	355.6	355.6	79	8.0	6.35	9.53	9.53	9.53	11.13	15.09	12.70	19.05	23.63	27.79	31.75	35.71	-	-	350	14"
400	16"	406.4	406.4	406.4	79	8.8	6.35	9.53	9.53	9.53	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.49	-	-	400	16"
450	18"	457.2	457.2	457.0	79	10.0	6.35	9.53	11.13	9.53	14.27	19.05	12.70	23.63	29.36	34.93	39.67	45.24	-	-	450	18"
500	20"	508.0	508.0	508.0	79	11.0	6.35	12.70	12.70	9.53	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01	-	-	500	20"
550	22"	558.8	558.8	-	-	-	6.35	12.70	12.70	9.53	-	22.23	12.70	28.58	34.93	41.28	47.63	53.98	-	-	550	22"
600	24"	609.6	609.6	610.0	-	12.5	6.35	12.70	14.27	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54	-	-	600	24"
650	26"	660.4	660.4	-	-	-	7.92	12.70	-	9.53	-	-	12.70	-	-	-	-	-	-	-	650	26"
700	28"	711.2	711.2	711.0	-	12.5	7.92	12.70	15.68	9.53	-	-	12.70	-	-	-	-	-	-	-	700	28"
750	30"	762.0	762.0	-	-	-	7.92	12.70	15.68	9.53	-	-	12.70	-	-	-	-	-	-	-	750	30"
800	32"	812.8	812.8	813.0	-	12.5	7.92	-	15.68	9.53	17.48	-	12.70	-	-	-	-	-	-	-	800	32"
850	34"	863.6	863.6	-	-	-	7.92	-	15.68	9.53	17.48	-	12.70	-	-	-	-	-	-	-	850	34"
900	36"	914.4	914.4	914.0	-	12.5	7.92	-	15.68	9.53	19.05	-	12.70	-	-	-	-	-	-	-	900	36"
950	38"	965.2	965.2	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	-	950	38"
1000	40"	1016.0	1016.0	1016.0	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	-	1000	40"
1050	42"	1066.8	1066.8	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	-	1050	42"
1100	44"	1117.6	1117.6	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	-	1100	44"
1150	46"	1168.4	1168.4	-	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	-	1150	46"
1200	48"	1219.2	1219.2	1220.0	-	-	-	-	-	9.53	-	-	12.70	-	-	-	-	-	-	-	1200	48"

NOTE:(1)THE WALL THICKNESS SPECIFIED IS GRADE FSGP OF JIS B2311:1997

(2)THE WALL THICKNESS SPECIFIED IS FOR SERIES 3 OF DIN 2605 (PART 1):02.91

公司简介

盐山惠霖管道设备有限公司是一家专业的管道及管道配件提供商。为客户提供工业钢管，工业管件，管法兰等中高压管道系统产品。自公司成立以来，已为电力，石化，化工，造纸，锅炉，供热，水务等行业提供了可靠产品与优质服务，并深得众多客户信赖。

惠霖公司产品涵盖碳钢，不锈钢，合金管等金属材料，并可依据ASME，DIN，JIS，GB，SH，DL，SY，CB等标准生产，非标产品可按客户要求定制。我们支持客户申请我公司的产品样品与技术资料，并为客户提供最全面的技术服务和完整地解决方案，以期望客户得到最理想的合作体验。

作为专业管道及管道配件供应商，惠霖公司在各个环节均严格依照ISO9001-2000质量管理体系，使用行业最先进的技术与设备来保证产品的可靠性，不断改进和优化生产与服务流程，持续地为客户创造更多价值。

我们将凭借多年的技术积累与客户服务经验，秉承顾客至上，技术领先，追求卓越的精神，在与客户的合作过程中，分享全新的技术和产品，共同成长和进步。

INTRODUCTION

YanShan HuiLin Pipe Manufacturing Co. Ltd. Is a professional production. Processing and marketing all kinds of steel pipes and pipe fittings scale enterprises.

Our company has solid technical foundation and also has rich experience. Now our company occupies 60,000 square meters, Has more than 200 employees, Its annual output of various kinds of steel products is about 80,000 tons. Its products are exported to the Middle East, Europe, Africa, America and other countries, which are widely used in oil exploit, chemical industry, water conservancy, architecture and other fields.

My company' s products mainly have two series:

Steel pipe Series: seamless steel pipe、straight seam steel pipe、spiral steel pipe、galvanized steel pipe;

Pipe fittings: elbow、flange、tee、reducer and so on.

Product implementation of standards : GB、ASME、DIN、JIS、EN、BS、NF、GOST、ISO and so on.

Materials : Carbon steel、Alloy steel、Stainless steel and so on.

There is a strict backward system of product identification from raw material purchasing, producing, testing or packing. And company strictly enforces the ISO9001 quality management system.

Looking into the future ,we will continually adhere to the running purposes "to concentrate on quality, to win in the sincerity" ,and will be determined to make a better future for international clients by high-quality products, reasonable prices and good service.

If you still have any question, please don't hesitate to contact with us at any moment. We are looking forward to your cooperation



公司简介

本公司通过提供优质的产品及服务，使客户获得最佳使用体验。本公司通过技术创新、人才培养、供应链管理、品牌运营、市场营销、售后服务等各个环节，为客户提供全方位的支持与服务。本公司通过不断优化产品结构、提升产品质量、完善售后服务体系，为客户提供更加优质、更加便捷、更加安全的产品与服务。本公司通过不断创新、不断提升，为客户提供更加优质、更加便捷、更加安全的产品与服务。

美国出口产品总值的构成, 分地区, 按货物和服务分类, 资料来源: UNCTAD, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 年数据由作者计算。资料来源: 美国出口产品总值的构成, 按货物和服务分类, 资料来源: UNCTAD, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 年数据由作者计算。

此外,由于普通法系国家的传统影响,美国法官在至今的司法实践中仍保持对行政立法机构的尊重态度,使行政立法机构与国会保持一定的协调性,并限制行政机构权力与国会相称,使行政机构权力不至于失控。

[illegible]

INTRODUCTION

Toddler Talk is a Free Newsletter! It is a professional publication focusing and exploring all levels of child speech and language development.

(a) Compared with some common household appliances such as washing machines, refrigerators and gas stoves, this type of LED lighting is the most energy-efficient. The annual output of various kinds of LED products is about 100,000 tons. The products are exported to the United States, Europe, Africa, America and other countries, which are widely used in the medical, chemical industry, water conservancy and other fields.

Actinomyces sp. is isolated from sheep, human and animal

Flow rate (liters per second) was measured at the inlet and outlet of the reactor. The flow rate was controlled by a flow controller (F-100, Fisher Scientific, Pittsburgh, PA).

From *Therapeutic Drug Monitoring: Sample, Size, Methods and more...*

Product representation of numbers: 100, 2000, 1000, 20, 10, 100, 1000, 1000000000

History: 1990-1991, 1992-1993, 1994-1995, 1996-1997, 1998-1999, 2000-2001, 2002-2003, 2004-2005, 2006-2007, 2008-2009, 2010-2011, 2012-2013, 2014-2015, 2016-2017, 2018-2019, 2020-2021, 2022-2023, 2024-2025, 2026-2027, 2028-2029, 2030-2031, 2032-2033, 2034-2035, 2036-2037, 2038-2039, 2040-2041, 2042-2043, 2044-2045, 2046-2047, 2048-2049, 2050-2051, 2052-2053, 2054-2055, 2056-2057, 2058-2059, 2060-2061, 2062-2063, 2064-2065, 2066-2067, 2068-2069, 2070-2071, 2072-2073, 2074-2075, 2076-2077, 2078-2079, 2080-2081, 2082-2083, 2084-2085, 2086-2087, 2088-2089, 2090-2091, 2092-2093, 2094-2095, 2096-2097, 2098-2099, 2100-2101, 2102-2103, 2104-2105, 2106-2107, 2108-2109, 2110-2111, 2112-2113, 2114-2115, 2116-2117, 2118-2119, 2120-2121, 2122-2123, 2124-2125, 2126-2127, 2128-2129, 2130-2131, 2132-2133, 2134-2135, 2136-2137, 2138-2139, 2140-2141, 2142-2143, 2144-2145, 2146-2147, 2148-2149, 2150-2151, 2152-2153, 2154-2155, 2156-2157, 2158-2159, 2160-2161, 2162-2163, 2164-2165, 2166-2167, 2168-2169, 2170-2171, 2172-2173, 2174-2175, 2176-2177, 2178-2179, 2180-2181, 2182-2183, 2184-2185, 2186-2187, 2188-2189, 2190-2191, 2192-2193, 2194-2195, 2196-2197, 2198-2199, 2200-2201, 2202-2203, 2204-2205, 2206-2207, 2208-2209, 2210-2211, 2212-2213, 2214-2215, 2216-2217, 2218-2219, 2220-2221, 2222-2223, 2224-2225, 2226-2227, 2228-2229, 2230-2231, 2232-2233, 2234-2235, 2236-2237, 2238-2239, 2240-2241, 2242-2243, 2244-2245, 2246-2247, 2248-2249, 2250-2251, 2252-2253, 2254-2255, 2256-2257, 2258-2259, 2260-2261, 2262-2263, 2264-2265, 2266-2267, 2268-2269, 2270-2271, 2272-2273, 2274-2275, 2276-2277, 2278-2279, 2280-2281, 2282-2283, 2284-2285, 2286-2287, 2288-2289, 2290-2291, 2292-2293, 2294-2295, 2296-2297, 2298-2299, 2300-2301, 2302-2303, 2304-2305, 2306-2307, 2308-2309, 2310-2311, 2312-2313, 2314-2315, 2316-2317, 2318-2319, 2320-2321, 2322-2323, 2324-2325, 2326-2327, 2328-2329, 2330-2331, 2332-2333, 2334-2335, 2336-2337, 2338-2339, 2340-2341, 2342-2343, 2344-2345, 2346-2347, 2348-2349, 2350-2351, 2352-2353, 2354-2355, 2356-2357, 2358-2359, 2360-2361, 2362-2363, 2364-2365, 2366-2367, 2368-2369, 2370-2371, 2372-2373, 2374-2375, 2376-2377, 2378-2379, 2380-2381, 2382-2383, 2384-2385, 2386-2387, 2388-2389, 2390-2391, 2392-2393, 2394-2395, 2396-2397, 2398-2399, 2400-2401, 2402-2403, 2404-2405, 2406-2407, 2408-2409, 2410-2411, 2412-2413, 2414-2415, 2416-2417, 2418-2419, 2420-2421, 2422-2423, 2424-2425, 2426-2427, 2428-2429, 2430-2431, 2432-2433, 2434-2435, 2436-2437, 2438-2439, 2440-2441, 2442-2443, 2444-2445, 2446-2447, 2448-2449, 2450-2451, 2452-2453, 2454-2455, 2456-2457, 2458-2459, 2460-2461, 2462-2463, 2464-2465, 2466-2467, 2468-2469, 2470-2471, 2472-2473, 2474-2475, 2476-2477, 2478-2479, 2480-2481, 2482-2483, 2484-2485, 2486-2487, 2488-2489, 2490-2491, 2492-2493, 2494-2495, 2496-2497, 2498-2499, 2500-2501, 2502-2503, 2504-2505, 2506-2507, 2508-2509, 2510-2511, 2512-2513, 2514-2515, 2516-2517, 2518-2519, 2520-2521, 2522-2523, 2524-2525, 2526-2527, 2528-2529, 2530-2531, 2532-2533, 2534-2535, 2536-2537, 2538-2539, 2540-2541, 2542-2543, 2544-2545, 2546-2547, 2548-2549, 2550-2551, 2552-2553, 2554-2555, 2556-2557, 2558-2559, 2560-2561, 2562-2563, 2564-2565, 2566-2567, 2568-2569, 2570-2571, 2572-2573, 2574-2575, 2576-2577, 2578-2579, 2580-2581, 2582-2583, 2584-2585, 2586-2587, 2588-2589, 2590-2591, 2592-2593, 2594-2595, 2596-2597, 2598-2599, 2600-2601, 2602-2603, 2604-2605, 2606-2607, 2608-2609, 2610-2611, 2612-2613, 2614-2615, 2616-2617, 2618-2619, 2620-2621, 2622-2623, 2624-2625, 2626-2627, 2628-2629, 2630-2631, 2632-2633, 2634-2635, 2636-2637, 2638-2639, 2640-2641, 2642-2643, 2644-2645, 2646-2647, 2648-2649, 2650-2651, 2652-2653, 2654-2655, 2656-2657, 2658-2659, 2660-2661, 2662-2663, 2664-2665, 2666-2667, 2668-2669, 2670-2671, 2672-2673, 2674-2675, 2676-2677, 2678-2679, 2680-2681, 2682-2683, 2684-2685, 2686-2687, 2688-2689, 2690-2691, 2692-2693, 2694-2695, 2696-2697, 2698-2699, 2700-2701, 2702-2703, 2704-2705, 2706-2707, 2708-2709, 2710-2711, 2712-2713, 2714-2715, 2716-2717, 2718-2719, 2720-2721, 2722-2723, 2724-2725, 2726-2727, 2728-2729, 2730-2731, 2732-2733,

There is a great deal of interest in the use of genetic identification for crop insurance, particularly in the area of yield and quality. The use of genetic identification for crop insurance is a new and emerging area of research.

Learning from the World's Best: The winning products "re-engineered the quality of life in the industry" and will be instrumental in creating value for our customers by providing high-quality products, environmentally sound packaging options, and the ability to customize products to meet the needs of our customers. We will continue to invest in our capabilities.

