

 特种设备制造许可证编号
 TS2733C25-2028
 ISO9001质量体系认证企业
 46025Q0707R0M
 国家高新技术企业
 GR202333012713

AFTER-SALES
SERVICE

**至诚服务
售后无忧**


 生产
物流
罗经理
152 5808 3267


 售后
咨询
王经理
139 5777 9929

中国·祥工法兰制造有限公司
 CHINA·XIANGGONG FLANGE MANUFACTURING CO., LTD

地址 温州经济技术开发区滨海二道八路777号 A.777 binhai road no.8 wenzhou Economic
 总机 0577-8691 0588 -Technological Development Area
 固话 0577-8691 7304 T.0577-8691 0588
 传真 0577-8692 1599 F.0577-8692 1599
 邮箱 84546623@qq.com E.84546623@qq.com
 网址 www.china-xianggong.com W. www.sngong.com



祥工法兰
XIANGGONG
SNGONG

 **SNGONG**
 XIANGGONG

流体管道方案解决商

FLUID PIPELINE SOLUTION PROVIDER



SNGONG

Product selection guide 产品选型手册

合 / 作 / 共 / 赢 / 创 / 新



祥工法兰

9年

SNGONG

一直致力于
不锈钢法兰应用
解决方案

9 YEARS
HAS BEEN COMMITTED TO STAINLESS
STEEL FLANGE
APPLICATION SOLUTIONS

祥工
XIANGGONG

9
年专注

GENERAL MANAGER SPEECH

总经理致辞



祥工法兰总经理: 王永博
Xianggong Flange General Manager

尊敬的各界朋友:

衷心感谢关注着祥工法兰的每一位朋友, 因为您的理解、信任、关心和支持, 祥工法兰得以稳健发展。

公司壮大的今天, 是祥工全体员工共同努力的结晶, 我们坚持“为员工创造公平的机会, 更富挑战性和以战略目标为导向的工作环境”, 我们坚持以“责任、诚实、正直”的品格和“科学、创新、和谐”的心态, 坚持质量兴企, 为客户打造质量过硬的产品。

当今的市场正处于一个划时代的重塑与变革时期, 机遇与挑战共存, 祥工将以客户需求为导向, 开拓创新, 进一步整合公司资源, 努力打造优质的产品与服务, 回馈客户的信赖, 以持续稳定的增长为员工创造发展的空间。

精工细作, 我们脚踏实地; 胸怀天下, 我们志存高远! 怀着时不我待的紧迫感, 舍我其谁的使命感, 我们深信, 祥工一定能快速、健康的成长, 我们愿与您携手共进, 共创灿烂美好的明天。



COMPANY PROFILE

公司简介

辉煌 9 年 历久弥新



中国·祥工法兰制造有限公司创建于2015年，是一家集研发、制造、销售、服务于一体的不锈钢法兰集成服务商。

企业设备精良、工艺先进，备有大型锻压机、大型数控立车、数控车床、数控高速钻床、龙门加工中心及多种先进配套检验检测设备。形成集冶炼、锻压、加工一条龙生产线，并获得国家特种设备制造许可证（证号TS2733C25-2028），ISO9001质量管理体系认证（证号46025Q0707R0M），国家高新技术企业（证号GR202333012713），守合同重信用企业及产品质量达标企业，保证企业在行业中产品品质优势更具竞争力。

企业产品广泛用于制药、石油、化工、食品、冶金、建筑、电力等工程行业。经过多年市场拓展，也获得广大用户的认可和支持。目前已成为多家大型企业工程供货，也成为众多合作工程的首选法兰品牌。祥工法兰始终贯彻“以科技为先导，以品质求生存，以信誉求发展”的经营宗旨，致力于成为不锈钢法兰优质的集成服务商。

公司产品

（平焊、对焊、复合衬面）法兰，高精度法兰、大口径法兰，压力容器法兰，管板，提取罐出渣门锁紧圈，杀菌锅法兰，不锈钢管件以及来图制作非标产品。

产品材质

S30408/S31603/S22053/S31008/904L/钛/哈氏合金等特殊材质。

产品口径

1/2"~240"(DN15-DN6000)

China Xianggong Flange Manufacturing Co., Ltd., founded in 2015, is a stainless steel flange integrated service provider integrating R&D, manufacturing, sales and service.

The enterprise boasts well-equipped facilities and advanced technology, equipped with large forging presses, large CNC vertical lathes, CNC lathes, CNC high-speed drilling machines, gantry machining centers, and various advanced supporting inspection and testing equipment. It has formed a one-stop production line integrating smelting, forging, and processing, and has obtained the National Special Equipment Manufacturing License (License No. TS2733C25-2028), ISO9001 Quality System Certification (License No. 46025Q0707R0M), National High-tech Enterprise (License No. GR202333012713), and is a contract-honoring and credit-abiding enterprise as well as a product quality compliance enterprise, ensuring that the enterprise maintains a competitive edge in product quality within the industry.

Our products are widely used in pharmaceutical, petroleum, chemical, food, metallurgy, construction, power and other engineering industries. After years of market expansion, it has also been recognized and supported by the majority of users. At present, it has been supplied to many large enterprises for projects and has become the preferred flange brand for many cooperative projects. Xianggong Flange always carries out the business purpose of "taking science and technology as the guide, surviving with quality, and developing with reputation", and is committed to becoming a high-quality integrated service provider of stainless steel flanges.

Company Products

(flat welding, butt welding, composite lining) flange, high-precision flange, large diameter flange, pressure vessel flange, tube plate, extraction tank slag door lock ring, sterilizer flange, stainless steel pipe fittings and non-standard products made according to drawings.

Product material

S30408/S31603/S22053/S31008/904L/Titanium/Hastelloy and other special materials

Product caliber

1/2"~240"(DN15-DN6000)

9+

9年不锈钢法兰/管件制造经验

9 years of experience in manufacturing stainless steel flanges/fittings

6000+

生产最大口径超DN6000mm

Production maximum diameter exceeding DN6000mm

15000+

法兰/管件年产值15000万以上

Annual output value of flange/pipe fittings is over 150 million yuan

SINCE
2015

SIX REFINEMENTS

六项精进

BUSINESS ARTICLE 12

经营拾贰条

● 付出不亚于任何人的努力

努力钻研，比谁都刻苦。而且锲而不舍，持续不断，精益求精。有闲工夫发牢骚，不如前进一步，哪怕只是一寸，努力向上提升。

● 要谦虚，不要骄傲

[谦受益]是中国古话，谦虚的心能来幸福，还能提升心性。骄傲招人讨厌，给人带来懈怠和失败。才能是上天所赐，将自己的才能用于为[公]是第一义，用来为[私]是第二义，这是谦虚这一美德的本质所在。

● 要每天反省

每天检点自己的思想和行为，集中精神，直视自我，是不是自私自利，有没有卑怯的举止，将动摇的心镇定下来，真挚的反省，有错即改。

● 活着，就要感谢

滴水之恩不忘相报。活着，就已经是幸福。[感谢之心]像地下水一样，滋润着我道德观的根基。只要活着，就要感谢。

● 积善行，思利他

积善之家，必有余庆。与人为善，言行之间，留意关爱别人，真正为对方好才是大善。

● 不要有感性的烦恼

不要烦恼，不要焦躁，不要总是忿忿不平。人生本来就是波澜万丈，活着就会遭遇各种困难和挫折。决不能被它们击垮，绝不能逃避，正面面对，硬着头皮顶住，不忘极衷，努力做好该做的事。

| | | |
|--------------------------|-----------------------------|--|
| 01 明确事业的目的和意义 | 02 设立具体的目标 | 03 胸中怀有强烈的愿望 |
| 04 付出不亚于任何人的努力 | 05 销售最大化 经费最小化 | 06 定价即经营 |
| 07 经营取决于坚强的意志 | 08 燃烧的斗魂 | 09 临事有勇 |
| 10 不断从事创造性的工作 | 11 以关怀之心 诚实处事 | 12 保持乐观向上的态度 抱着梦想和希望 以坦诚之心处世 |

One Stop Service

一站式服务

**齐心协力,共获丰收。
团结凝聚力量,努力缔造辉煌。**



XIANGGONG TEAM

祥工团队



管理团队
Management team



技术团队
Technical team



研发团队
R & D Team



销售团队
Sales Team



超越自我
2015年
正式成立温州祥工法兰管件有限公司，购入多台数控加工设备 & 数控加工中心，提高产品品质及加工精度。

追求卓越
2016年
企业获得国家特种设备许可证及9001质量体系认证等权威认证证书，公司品质及市场占有率进一步提升。

挑战佳绩
2017年
企业更名为浙江祥工法兰制造有限公司，企业步入正规化进程，企业制造检查设备超过50台套。

执着追求
2018年
企业对日益增长的市场需求及品质升级，企业购入多台高精度设备 & 光谱仪，使公司品质出厂更加正规化标准化。

灵活经营
2019年
企业更名为中国祥工法兰制造有限公司，企业全面步入预定标准化轨道，向不锈钢法兰集成化服务迈进。

立足市场
2020年
祥工法兰已具备为用户提供最专业、最全面的高难度、高精度非标法兰定制及常规法兰配套。同时，企业也具备全方位服务的硬件及优势。

发展历程 DEVELOPMENT HISTORY

稳定成熟
2021年
员工数达到100人，销售额达到1亿+，产品和国内国际多家大型企业保持稳定的供应链。祥工法兰始终坚持用心做产品，用心做服务的理念，力争上游，携手前行！

跨越未来
2022年
中国祥工法兰将秉承专注，专业，专心的工匠精神，做大企业，做强品牌，布局全球法兰新生态！

挑战自我
2023年
新征程 创未来
中国祥工法兰迎来八周年庆典同时企业引进稻盛哲学，让哲学慢慢渗入企业。

突破极限
2024年
在稻盛哲学的影响下，逐步实践并落地好员工幸福和客户幸福，更加精进于服务和品质，向着高目标实现企业高速发展。

放飞梦想
2025年

创造辉煌
2026年

共赢未来
2027年

ENTERPRISE QUALIFICATION

企业资质

- 质量方针
Quality policy
顾客第一、诚信服务、质量为本、不断进取
Customer first, honest service, quality-oriented, continuous progress

- 特种设备制造许可证编号
TS2733C25-2028
- ISO 9001质量体系认证企业
46025Q0707R0M
- 国家高新技术企业
GR202333012713

提高全员的质量意识,强化科学的质量管理,
生产让顾客满意的产品,
提供周密的突出“服务”是我们坚定不移的方针。

Enhance the quality awareness of all employees, strengthen scientific quality management,
Produce products that satisfy customers,
Providing thoughtful and outstanding "services" is our unwavering policy.



HONORABLE CUSTOMER

尊贵客户

■ 我们已服务数十个行业/应用/上百家企业
We have served dozens of industries/applications
/hundreds of enterprises



为客户创造价值的 同时成就自己

Creating Value for Customers
Accomplishing oneself at the same time

PROCESS FLOW 工艺流程

PROCESS FLOW 工艺流程

无缝管件制造工艺流程 manufacturing process of seamless pipe fittings



不锈钢管件制造工艺流程 stainless steel pipe manufacturing process



焊缝管件制造工艺流程 welding pipe manufacturing process





不锈钢管件
Stainless steel pipe fittings



不锈钢法兰
Stainless steel flange



不锈钢非标法兰
Stainless steel non-standard flange



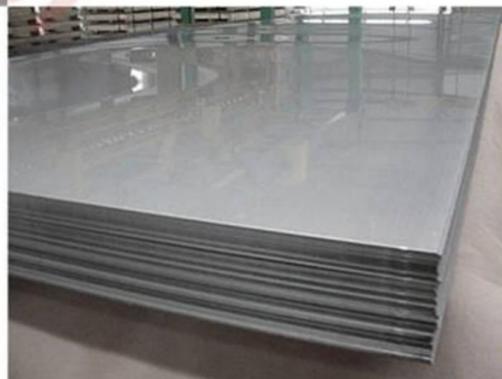
不锈钢卡套接头
Stainless steel ferrule joint



不锈钢管
stainless steel pipe



不锈钢板材
Stainless steel sheet



| | |
|--|--|
| | <p>不锈钢长半径弯头ELB45LR</p> <p>执行标准 Implement standard ASME/ANSI B16.9 GB/T12459 GB/T13401 SH3408-96 SH3409-96</p> <p>产品材质 Material quality of product 304, 304L, 316, 316L, 321, 347, Ti等材质</p> <p>通径大小 Diameter range 1/2"-48"</p> |
| | <p>不锈钢短半径弯头ELB90SR</p> <p>执行标准 Implement standard ASME/ANSI B16.9 GB/T12459 GB/T13401 SH3408-96 SH3409-96</p> <p>产品材质 Material quality of product 304, 304L, 316, 316L, 321, 347, Ti等材质</p> <p>通径大小 Diameter range 1/2"-48"</p> |
| | <p>不锈钢长半径弯头ELB90LR</p> <p>执行标准 Implement standard ASME/ANSI B16.9 GB/T12459 GB/T13401 SH3408-96 SH3409-96</p> <p>产品材质 Material quality of product 304, 304L, 316, 316L, 321, 347, Ti等材质</p> <p>通径大小 Diameter range 1/2"-48"</p> |
| | <p>不锈钢180°弯头RETURN</p> <p>执行标准 Implement standard ASME/ANSI B16.9 GB/T12459 GB/T13401 SH3408-96 SH3409-96</p> <p>产品材质 Material quality of product 304, 304L, 316, 316L, 321, 347, Ti等材质</p> <p>通径大小 Diameter range 1/2"-48"</p> |

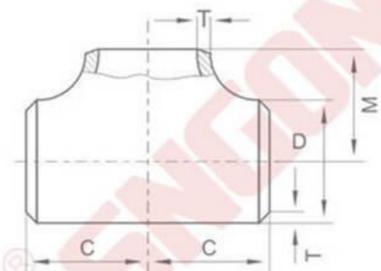
卓越管理、精良品质、永续经营，
华博的各项质量活动已实现制度
化、程序化、规范化。

我公司本着“以质取胜、以技图
宏”的企业宗旨，竭诚为广大客
户服务，愿与您共创辉煌。

Excellent management, excellent quality,
sustainable operation. Huabo's various
quality activities have been realized
Institutionalization, proceduralization, and
standardization.

Our company adheres to the corporate
tenet of "winning by quality, by technology
and planning", and dedicated to the majority
Customer service, willing to create brilliant
with you.

Products Show 产品展示



不锈钢等径三通TEE

执行标准 Implement standard

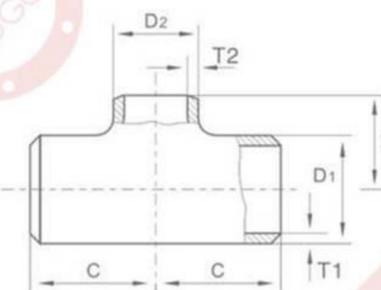
ASME/ANSI B16.9
GB/T12459 GB/T13401
SH3408-96 SH3409-96

产品材质 Material quality of product

304, 304L, 316, 316L, 321, 347, Ti等材质

通径大小 Diameter range

1/2"-48"



不锈钢异径三通TEE

执行标准 Implement standard

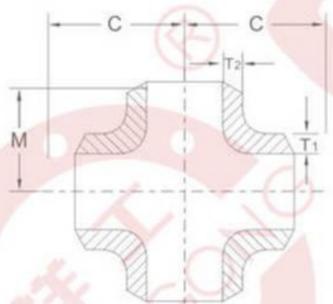
ASME/ANSI B16.9
GB/T12459 GB/T13401
SH3408-96 SH3409-96

产品材质 Material quality of product

304, 304L, 316, 316L, 321, 347, Ti等材质

通径大小 Diameter range

1/2"-48"



不锈钢等径四通CROSS

执行标准 Implement standard

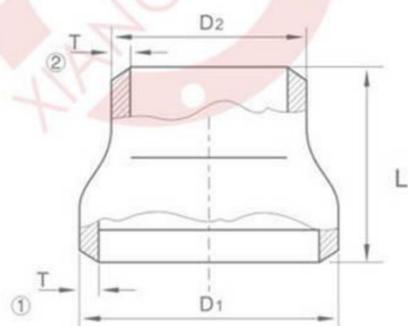
ASME/ANSI B16.9
GB/T12459 GB/T13401
SH3408-96 SH3409-96

产品材质 Material quality of product

304, 304L, 316, 316L, 321, 347, Ti等材质

通径大小 Diameter range

1/2"-48"



不锈钢同心异径管RED CON

执行标准 Implement standard

ASME/ANSI B16.9
GB/T12459 GB/T13401
SH3408-96 SH3409-96

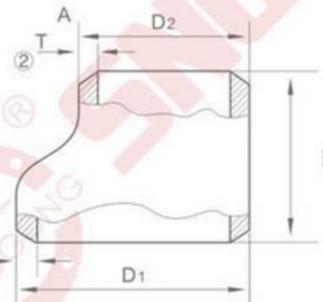
产品材质 Material quality of product

304, 304L, 316, 316L, 321, 347, Ti等材质

通径大小 Diameter range

1/2"-48"

Products Show 产品展示



不锈钢偏心异径管RED ECC

执行标准 Implement standard

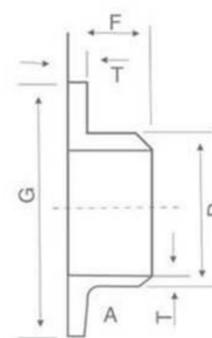
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GB/T12459 GB/T13401
SH3408-96 SH3409-96

产品材质 Material quality of product

304, 304L, 316, 316L, 321, 347, Ti等材质

通径大小 Diameter range

1/2"-48"



不锈钢翻边短接LAP

执行标准 Implement standard

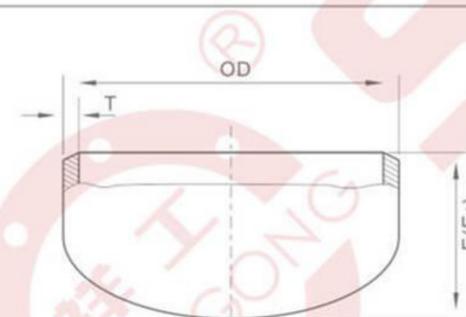
MSS SP-43 ASME/ANSI B16.9
GB/T12459 [短型][长型]
SH3408-96 SH3409-96

产品材质 Material quality of product

304, 304L, 316, 316L, 321, 347, Ti等材质

通径大小 Diameter range

1/2"-36"



不锈钢管帽CAP

执行标准 Implement standard

ASME/ANSI B16.9
GB/T12459 GB/T13401
SH3408-96 SH3409-96

产品材质 Material quality of product

304, 304L, 316, 316L, 321, 347, Ti等材质

通径大小 Diameter range

1/2"-48"

流体管道方案解决商

FLUID PIPELINE
SOLUTION
PROVIDER

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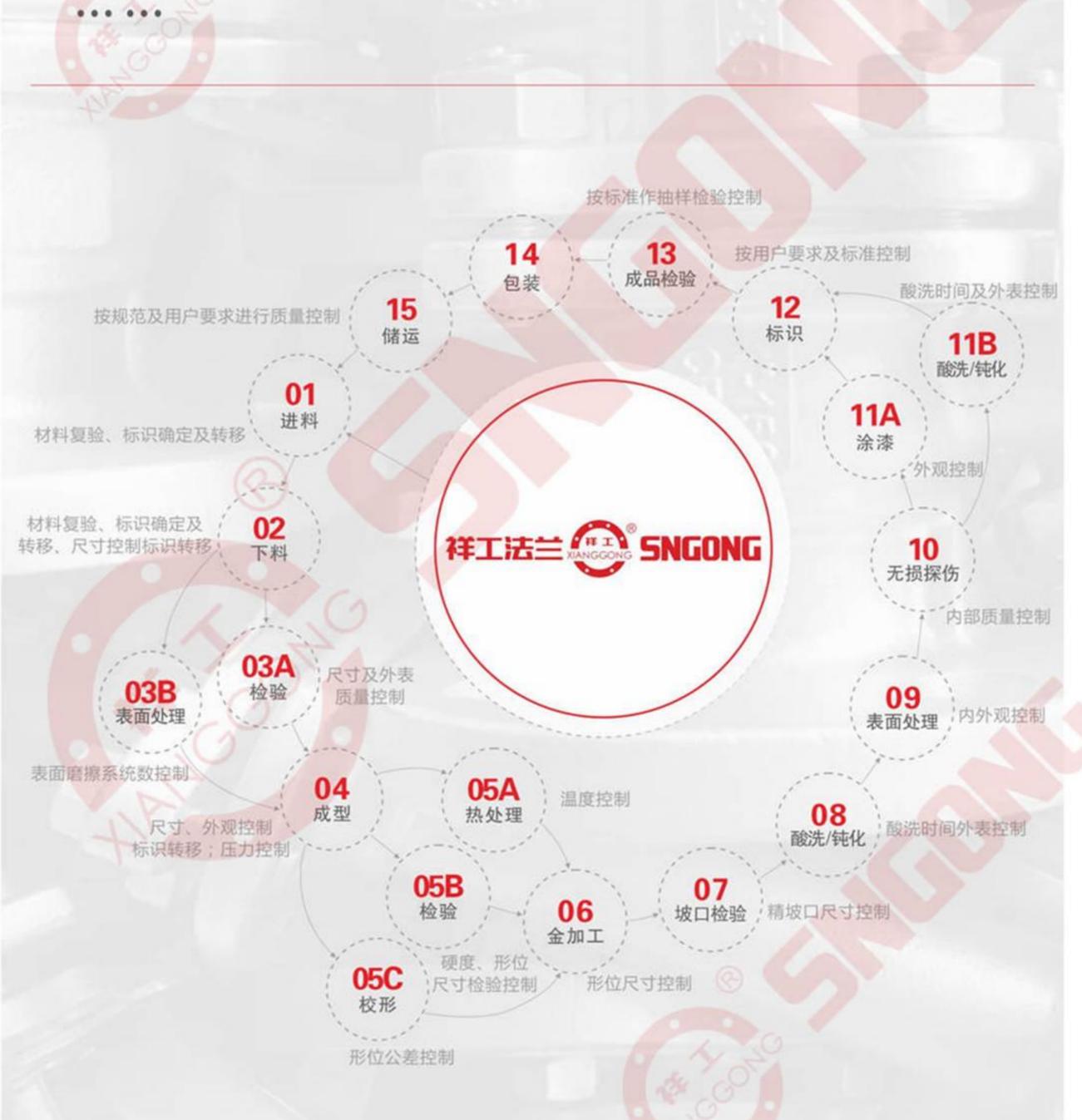
01/ PIPE FITTINGS SERIES

管件系列
.....



PIPE FITTINGS PROCESS AND QUALITY CONTROL CHART

管件工艺流程及质量控制图



BUTT WELDING ELBOW

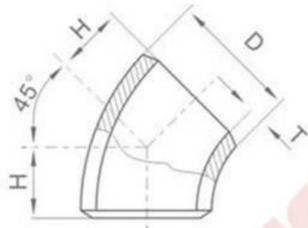
对焊弯头



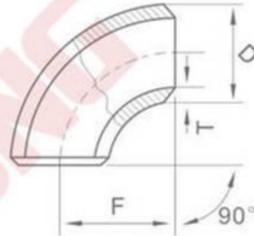
流体管道方案解决商
FLUID PIPELINE SOLUTION PROVIDER

BUTT WELDING EQUAL DIAMETER TEE, CROSS

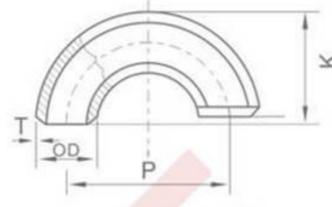
对焊等径三通、四通



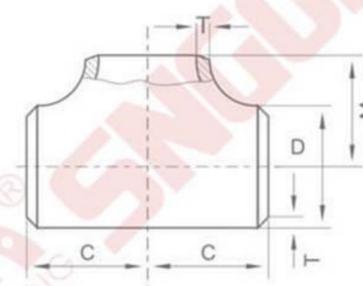
45° 弯头 Elbow



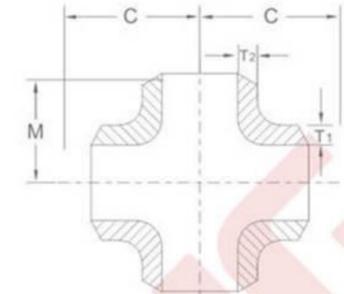
90° 弯头 Elbow



180° 弯头 Elbow



等径三通
Straight Outlet Tee



等径四通
Straight Outlet Cross

GB12459、GB/T13401

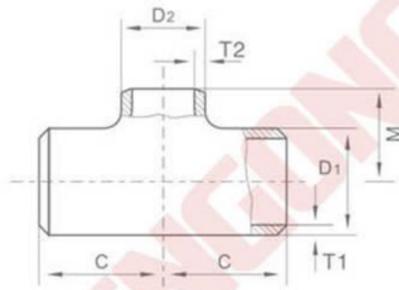
GB12459、GB/T13401

| 公称通径 Nominal Pipe size DN | 端部外径 Outside Diameter at Bevel D | | 中心至端面 Center to End | | | 中心至中心 Center to Center | | 背面至端面 Back to Faces | | | |
|------------------------------------|--|-----------------|------------------------|--------------------|---------------------|---------------------------|---------------------|------------------------|---------------------|------|------|
| | | | 45° 弯头 Elbows. | 90° 弯头 Elbows. | | 180° 弯头 Return | | 180° 弯头 Return | | | |
| | A系列 Series A | B系列 Series B | H | F | | P | | K | | | |
| | | | 长半径 Long Radius | 长半径 Long Radius | 短半径 Short Radius | 长半径 Long Radius | 短半径 Short Radius | 长半径 Long Radius | 短半径 Short Radius | | |
| 15 | 21.3 | 18 | 16 | 38 | - | 76 | - | 48 | - | | |
| 20 | 26.9 | 25 | 16 | 38 | - | 76 | - | 51 | - | | |
| 25 | 33.7 | 32 | 16 | 38 | 25 | 76 | 51 | 56 | 41 | | |
| 32 | 42.4 | 38 | 20 | 48 | 32 | 95 | 64 | 70 | 52 | | |
| 40 | 48.3 | 45 | 24 | 57 | 38 | 114 | 76 | 83 | 62 | | |
| 50 | 60.3 | 57 | 32 | 76 | 51 | 152 | 102 | 106 | 81 | | |
| 65 | 76.1(73) | 76 | 40 | 95 | 64 | 191 | 127 | 132 | 100 | | |
| 80 | 88.9 | 89 | 47 | 114 | 76 | 229 | 152 | 159 | 121 | | |
| 90 | 101.6 | - | 55 | 133 | 89 | 267 | 178 | 184 | 140 | | |
| 100 | 114.3 | 108 | 63 | 152 | 102 | 305 | 203 | 210 | 159 | | |
| 125 | 139.7 | 133 | 79 | 190 | 127 | 381 | 254 | 262 | 197 | | |
| 150 | 168.3 | 159 | 95 | 229 | 152 | 457 | 305 | 313 | 237 | | |
| 200 | 219.1 | 219 | 126 | 305 | 203 | 610 | 406 | 414 | 313 | | |
| 250 | 273.0 | 273 | 158 | 381 | 254 | 762 | 508 | 518 | 391 | | |
| 300 | 323.9 | 325 | 189 | 457 | 305 | 914 | 610 | 619 | 467 | | |
| 350 | 355.6 | 377 | 221 | 533 | 356 | 1067 | 711 | 711 | 533 | | |
| 400 | 406.4 | 426 | 253 | 610 | 406 | 1219 | 813 | 813 | 610 | | |
| 450 | 457.2 | 478 | 284 | 686 | 457 | 1372 | 914 | 914 | 686 | | |
| 500 | 508.0 | 529 | 316 | 762 | 508 | 1524 | 1016 | 1016 | 762 | | |
| 550 | 559 | - | 347 | 838 | 559 | | | | | | |
| 600 | 610 | 630 | 379 | 914 | 610 | 1300 | 1320.8 | 821 | 1981 | 1981 | 1321 |
| 650 | 660 | - | 410 | 991 | 660 | 1400 | 1422.4 | 883 | 2134 | 2134 | 1420 |
| 700 | 711 | 720 | 442 | 1067 | 711 | 1500 | 1524 | 947 | 2286 | 2286 | 1524 |
| 750 | 762 | - | 473 | 1143 | 762 | 1600 | 1625.6 | 1010 | 2438 | 2438 | 1620 |
| 800 | 813 | 820 | 505 | 1219 | 813 | 1700 | 1727.2 | 1073 | 2591 | 2591 | 1727 |
| 850 | 864 | - | 537 | 1295 | 864 | 1800 | 1828.8 | 1137 | 2743 | 2743 | 1827 |
| 900 | 914 | 920 | 568 | 1372 | 914 | 2000 | 2032 | 1263 | 3048 | 3048 | 2032 |
| 950 | 965 | - | 600 | 1448 | 965 | 2200 | 2235.2 | 1388 | 3352 | 3352 | 2236 |
| 1000 | 1016 | 1020 | 631 | 1524 | 1016 | | | | | | |
| 1050 | 1067 | - | 663 | 1600 | 1067 | | | | | | |
| 1100 | 1118 | 1120 | 694 | 1676 | 1118 | | | | | | |
| 1150 | 1168 | - | 726 | 1753 | 1168 | | | | | | |
| 1200 | 1220 | 1120 | 758 | 1829 | 1219 | | | | | | |

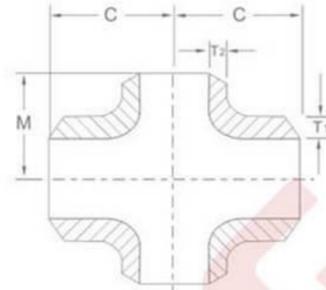
注: 1) 尽可能不采用括号内数值。
2) 优先选用A系列。

| 公称通径 Nor-minal Pipe Size DN | 端部外径 Outside Diameter at Bevel | | 中心至端面 Center to end | |
|--------------------------------------|-----------------------------------|-----------------|------------------------|-----|
| | D | | C | M |
| | A系列 Series A | B系列 Series B | | |
| 15 | 21.3 | 18 | 25 | |
| 20 | 26.9 | 25 | 29 | |
| 25 | 33.7 | 32 | 38 | |
| 32 | 42.4 | 38 | 48 | |
| 40 | 48.3 | 45 | 57 | |
| 50 | 60.3 | 57 | 64 | |
| 65 | 76.1(73) | 76 | 76 | |
| 80 | 88.9 | 89 | 86 | |
| 90 | 101.6 | - | 95 | |
| 100 | 114.3 | 108 | 105 | |
| 125 | 139.7 | 133 | 124 | |
| 150 | 168.3 | 159 | 143 | |
| 200 | 219.1 | 219 | 178 | |
| 250 | 273.0 | 273 | 216 | |
| 300 | 323.9 | 325 | 254 | |
| 350 | 355.6 | 377 | 279 | |
| 400 | 406.4 | 426 | 305 | |
| 450 | 457.2 | 478 | 343 | |
| 500 | 508.0 | 529 | 381 | |
| 550 | 559 | - | 419 | |
| 600 | 610 | 630 | 432 | |
| 650 | 660 | - | 495 | |
| 700 | 711 | 720 | 521 | |
| 750 | 762 | - | 559 | |
| 800 | 813 | 820 | 597 | |
| 850 | 864 | - | 635 | |
| 900 | 914 | 920 | 673 | |
| 950 | 965 | - | 711 | |
| 1000 | 1016 | 1020 | 749 | |
| 1050 | 1067 | - | 762 | 711 |
| 1100 | 1118 | 1120 | 813 | 762 |
| 1150 | 1168 | - | 851 | 800 |
| 1200 | 1220 | 1120 | 889 | 838 |

注: 1) 尽可能不采用括号内数值。 2) 优先选用A系列。



异径三通
Reducing Outlet Tee



异径四通
Reducing Cross

GB12459、GB/T13401

| 公称通径 Nominal Pipe Size DN | 端部外径 Outside Diameter at Bevel | | | | 中心至端面 Center to End | |
|------------------------------------|-----------------------------------|-----------------|-----------------|-----------------|------------------------|----|
| | D1 | | D2 | | C | M |
| | A系列 Series A | B系列 Series B | A系列 Series A | B系列 Series B | | |
| 20x15 | 26.9 | 25 | 21.3 | 18 | 29 | 29 |
| 25x20 | 33.7 | 32 | 26.9 | 25 | 38 | 38 |
| 25x15 | 33.7 | 32 | 21.3 | 18 | 38 | 38 |
| 32x25 | 42.4 | 38 | 33.7 | 32 | 48 | 48 |
| 32x20 | 42.4 | 38 | 26.9 | 25 | 48 | 48 |
| 32x15 | 42.4 | 38 | 21.3 | 18 | 48 | 48 |
| 40x32 | 48.3 | 45 | 42.4 | 38 | 57 | 57 |
| 40x25 | 48.3 | 45 | 33.7 | 32 | 57 | 57 |
| 40x20 | 48.3 | 45 | 26.9 | 25 | 57 | 57 |
| 40x15 | 48.3 | 45 | 21.3 | 18 | 57 | 57 |
| 50x40 | 60.3 | 57 | 48.3 | 45 | 64 | 60 |
| 50x32 | 60.3 | 57 | 42.4 | 38 | 64 | 57 |
| 50x25 | 60.3 | 57 | 33.7 | 32 | 64 | 51 |
| 50x20 | 60.3 | 57 | 26.9 | 25 | 64 | 44 |
| 65x50 | 6.1(73) | 76 | 60.3 | 57 | 76 | 70 |
| 65x40 | 6.1(73) | 76 | 48.3 | 45 | 76 | 67 |
| 65x32 | 6.1(73) | 76 | 42.4 | 38 | 76 | 64 |
| 65x25 | 6.1(73) | 76 | 33.7 | 32 | 76 | 57 |
| 80x65 | 88.9 | 89 | 76.1(73) | 76 | 86 | 83 |
| 80x50 | 88.9 | 89 | 60.3 | 57 | 86 | 76 |
| 80x40 | 88.9 | 89 | 48.3 | 45 | 86 | 73 |
| 80x32 | 88.9 | 89 | 42.4 | 38 | 86 | 70 |
| 90x80 | 101.6 | - | 88.9 | - | 95 | 92 |
| 90x65 | 101.6 | - | 76.1(73) | - | 95 | 89 |
| 90x50 | 101.6 | - | 60.3 | - | 95 | 83 |
| 90x40 | 101.6 | - | 48.3 | - | 95 | 79 |

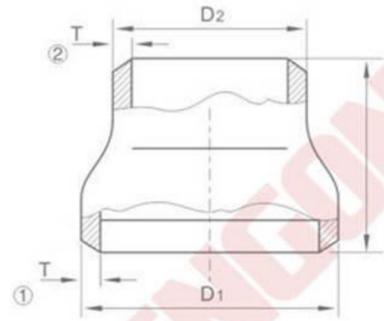
| 公称通径 Nominal Pipe Size DN | 端部外径 Outside Diameter at Bevel | | | | 中心至端面 Center to End | |
|------------------------------------|-----------------------------------|-----------------|-----------------|-----------------|------------------------|-----|
| | D1 | | D2 | | C | M |
| | A系列 Series A | B系列 Series B | A系列 Series A | B系列 Series B | | |
| 100x90 | 114.3 | - | 101.6 | - | 105 | 102 |
| 100x80 | 114.3 | 108 | 88.9 | 89 | 105 | 98 |
| 100x65 | 114.3 | 108 | 76.1(73) | 76 | 105 | 95 |
| 100x50 | 114.3 | 108 | 60.3 | 57 | 105 | 89 |
| 100x40 | 114.3 | 108 | 48.3 | 45 | 105 | 86 |
| 125x100 | 139.7 | 133 | 114.3 | 108 | 124 | 117 |
| 125x90 | 139.7 | - | 101.6 | - | 124 | 114 |
| 125x80 | 139.7 | 133 | 88.9 | 89 | 124 | 111 |
| 125x65 | 139.7 | 133 | 76.1(73) | 76 | 124 | 108 |
| 125x50 | 139.7 | 133 | 60.3 | 57 | 124 | 105 |
| 150x125 | 168.3 | 159 | 139.7 | 133 | 143 | 137 |
| 150x100 | 168.3 | 159 | 114.3 | 108 | 143 | 130 |
| 150x90 | 168.3 | - | 101.6 | - | 143 | 127 |
| 150x80 | 168.3 | 159 | 88.9 | 89 | 143 | 124 |
| 150x65 | 168.3 | 159 | 76.1(73) | 76 | 143 | 121 |
| 200x150 | 219.1 | 219 | 168.3 | 159 | 178 | 168 |
| 200x125 | 219.1 | 219 | 139.7 | 133 | 178 | 162 |
| 200x100 | 219.1 | 219 | 114.3 | 108 | 178 | 156 |
| 200x90 | 219.1 | 219 | 101.6 | - | 178 | 152 |
| 250x200 | 273.0 | 273 | 219.1 | 219 | 216 | 208 |
| 250x150 | 273.0 | 273 | 168.3 | 159 | 216 | 194 |
| 200x125 | 273.0 | 273 | 139.7 | 133 | 216 | 191 |
| 200x100 | 273.0 | 273 | 114.3 | 108 | 216 | 184 |
| 300x250 | 323.9 | 325 | 273.0 | 273 | 254 | 241 |
| 300x200 | 323.9 | 325 | 219.1 | 219 | 254 | 229 |
| 300x150 | 323.9 | 325 | 168.3 | 159 | 254 | 219 |

GB12459、GB/T13401

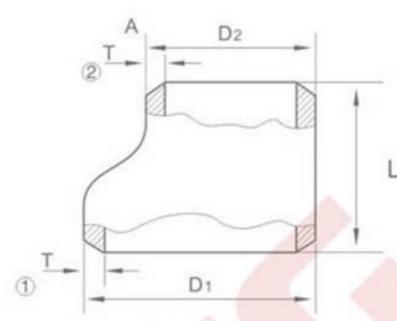
| 公称通径 Nominal Pipe Size DN | 端部外径 Outside Diameter at Bevel | | | | 中心至端面 Center to End | |
|------------------------------------|-----------------------------------|-----------------|-----------------|-----------------|------------------------|-----|
| | D1 | | D2 | | C | M |
| | A系列 Series A | B系列 Series B | A系列 Series A | B系列 Series B | | |
| 300x125 | 323.9 | 325 | 139.7 | 133 | 254 | 216 |
| 350x300 | 355.6 | 377 | 323.9 | 325 | 279 | 270 |
| 350x250 | 355.6 | 377 | 273.0 | 273 | 279 | 257 |
| 350x200 | 355.6 | 377 | 219.1 | 219 | 279 | 248 |
| 350x150 | 355.6 | 377 | 168.3 | 159 | 279 | 238 |
| 400x350 | 406.4 | 426 | 355.6 | 377 | 305 | 305 |
| 400x300 | 406.4 | 426 | 323.9 | 325 | 305 | 295 |
| 400x250 | 406.4 | 426 | 273.0 | 273 | 305 | 283 |
| 400x200 | 406.4 | 426 | 219.1 | 219 | 305 | 273 |
| 400x150 | 406.4 | 426 | 168.3 | 159 | 305 | 264 |
| 450x400 | 457.2 | 478 | 406.4 | 426 | 343 | 330 |
| 450x350 | 457.2 | 478 | 355.6 | 377 | 343 | 330 |
| 450x300 | 457.2 | 478 | 323.9 | 325 | 343 | 321 |
| 450x250 | 457.2 | 478 | 273.0 | 273 | 343 | 308 |
| 450x200 | 457.2 | 478 | 219.1 | 219 | 343 | 298 |
| 500x450 | 508.0 | 529 | 457.2 | 478 | 381 | 368 |
| 500x400 | 508.0 | 529 | 406.4 | 426 | 381 | 356 |
| 500x350 | 508.0 | 529 | 355.6 | 377 | 381 | 356 |
| 500x300 | 508.0 | 529 | 323.9 | 325 | 381 | 346 |
| 500x250 | 508.0 | 529 | 273.0 | 273 | 381 | 333 |
| 500x200 | 508.0 | 529 | 219.1 | 219 | 381 | 324 |
| 550x500 | 559 | - | 508 | - | 419 | 406 |
| 550x450 | 559 | - | 457 | - | 419 | 394 |
| 550x400 | 559 | - | 406 | - | 419 | 381 |
| 600x550 | 610 | - | 559 | - | 432 | 432 |
| 600x500 | 610 | 630 | 508 | 530 | 432 | 432 |
| 600x450 | 610 | 630 | 457 | 480 | 432 | 419 |
| 650x600 | 660 | - | 610 | - | 495 | 483 |
| 650x550 | 660 | - | 559 | - | 495 | 470 |
| 650x500 | 660 | - | 508 | - | 495 | 457 |
| 700x650 | 711 | - | 660 | - | 521 | 521 |
| 700x600 | 711 | 720 | 610 | 630 | 521 | 508 |

| 公称通径 Nominal Pipe Size DN | 端部外径 Outside Diameter at Bevel | | | | 中心至端面 Center to End | |
|------------------------------------|-----------------------------------|-----------------|-----------------|-----------------|------------------------|-----|
| | D1 | | D2 | | C | M |
| | A系列 Series A | B系列 Series B | A系列 Series A | B系列 Series B | | |
| 700x550 | 711 | - | 599 | - | 521 | 495 |
| 750x700 | 762 | - | 711 | - | 559 | 546 |
| 750x650 | 762 | - | 660 | - | 559 | 546 |
| 750x600 | 762 | - | 610 | - | 559 | 533 |
| 800x750 | 813 | - | 762 | - | 597 | 584 |
| 800x700 | 813 | 820 | 711 | 720 | 597 | 572 |
| 800x650 | 813 | - | 660 | - | 597 | 572 |
| 850x800 | 864 | - | 813 | - | 635 | 622 |
| 850x750 | 864 | - | 762 | - | 635 | 610 |
| 850x700 | 864 | - | 711 | - | 635 | 597 |
| 900x850 | 914 | - | 864 | - | 673 | 660 |
| 900x800 | 914 | 920 | 813 | 820 | 673 | 648 |
| 900x750 | 914 | - | 762 | - | 673 | 635 |
| 950x900 | 965 | - | 914 | - | 711 | 711 |
| 950x850 | 965 | - | 864 | - | 711 | 698 |
| 950x800 | 965 | - | 813 | - | 711 | 686 |
| 1000x950 | 1016 | - | 965 | - | 749 | 749 |
| 1000x900 | 1016 | 1020 | 914 | 920 | 749 | 737 |
| 1000x850 | 1016 | - | 864 | - | 749 | 724 |
| 1050x1000 | 1067 | - | 1016 | - | 762 | 711 |
| 1050x950 | 1067 | - | 965 | - | 762 | 711 |
| 1050x900 | 1067 | - | 914 | - | 762 | 711 |
| 1100x1050 | 1118 | - | 1067 | - | 813 | 762 |
| 1100x1000 | 1118 | 1120 | 1016 | 1020 | 813 | 749 |
| 1100x950 | 1118 | - | 965 | - | 813 | 737 |
| 1150x1100 | 1168 | - | 1118 | - | 851 | 800 |
| 1150x1050 | 1168 | - | 1067 | - | 851 | 787 |
| 1150x1000 | 1168 | - | 1016 | - | 851 | 775 |
| 1200x1150 | 1220 | - | 1168 | - | 889 | 838 |
| 1200x1100 | 1220 | 1220 | 1118 | 1120 | 889 | 838 |
| 1200x1050 | 1220 | - | 1067 | - | 889 | 813 |

注: 1) 尽可能不采用括号内数值。 2) 优先选用A系列。



同心大小头
Concentric Reducers



偏心大小头
Eccentric Reducers

GB12459, GB/T13401

| 公称通径 Nominal Pipe Size DN | 端部外径 Outside Diameter at Bevel | | | | 长度 End to End L |
|------------------------------------|-----------------------------------|-----------------|-----------------|-----------------|--------------------------|
| | D1 | | D2 | | |
| | A系列 Series A | B系列 Series B | A系列 Series A | B系列 Series B | |
| 20x15 | 26.9 | 25 | 21.3 | 18 | 38 |
| 25x20 | 33.7 | 32 | 26.9 | 25 | 51 |
| 25x15 | 33.7 | 32 | 21.3 | 18 | 51 |
| 32x25 | 42.4 | 38 | 33.7 | 32 | 51 |
| 32x20 | 42.4 | 38 | 26.9 | 25 | 51 |
| 32x15 | 42.4 | 38 | 21.3 | 18 | 51 |
| 40x32 | 48.3 | 45 | 42.4 | 38 | 64 |
| 40x25 | 48.3 | 45 | 33.7 | 32 | 64 |
| 40x20 | 48.3 | 45 | 26.9 | 25 | 64 |
| 40x15 | 48.3 | 45 | 21.3 | 18 | 64 |
| 50x40 | 60.3 | 57 | 48.3 | 45 | 76 |
| 50x32 | 60.3 | 57 | 42.4 | 38 | 76 |
| 50x25 | 60.3 | 57 | 33.7 | 32 | 76 |
| 50x20 | 60.3 | 57 | 26.9 | 25 | 76 |
| 65x50 | 76.1(73) | 76 | 60.3 | 57 | 89 |
| 65x40 | 76.1(73) | 76 | 48.3 | 45 | 89 |
| 65x32 | 76.1(73) | 76 | 42.4 | 38 | 89 |
| 65x25 | 76.1(73) | 76 | 33.7 | 32 | 89 |
| 80x65 | 88.9 | 89 | 76.1(73) | 76 | 89 |
| 80x50 | 88.9 | 89 | 60.3 | 57 | 89 |
| 80x40 | 88.9 | 89 | 48.3 | 45 | 89 |
| 80x32 | 88.9 | 89 | 42.4 | 38 | 89 |
| 90x80 | 101.6 | - | 88.9 | - | 102 |
| 90x65 | 101.6 | - | 76.1(73) | - | 102 |
| 90x50 | 101.6 | - | 60.3 | - | 102 |
| 90x40 | 101.6 | - | 48.3 | - | 102 |
| 90x32 | 101.6 | - | 42.4 | - | 102 |
| 100x90 | 114.3 | - | 101.6 | - | 102 |
| 100x80 | 114.3 | 108 | 88.9 | 89 | 102 |
| 100x65 | 114.3 | 108 | 76.1(73) | 76 | 102 |
| 100x50 | 114.3 | 108 | 60.3 | 57 | 102 |
| 100x40 | 114.3 | 108 | 48.3 | 45 | 102 |
| 125x100 | 139.7 | 133 | 114.3 | 108 | 127 |
| 125x90 | 139.7 | - | 101.6 | - | 127 |
| 125x80 | 139.7 | 133 | 88.9 | 89 | 127 |

| 公称通径 Nominal Pipe Size DN | 端部外径 Outside Diameter at Bevel | | | | 长度 End to End L |
|------------------------------------|-----------------------------------|-----------------|-----------------|-----------------|--------------------------|
| | D1 | | D2 | | |
| | A系列 Series A | B系列 Series B | A系列 Series A | B系列 Series B | |
| 125x65 | 139.7 | 133 | 76.1(73) | 76 | 127 |
| 125x50 | 139.7 | 133 | 60.3 | 57 | 127 |
| 150x125 | 168.3 | 159 | 139.7 | 133 | 140 |
| 150x100 | 168.3 | 159 | 114.3 | 108 | 140 |
| 150x90 | 168.3 | - | 101.6 | - | 140 |
| 150x80 | 168.3 | 159 | 88.9 | 89 | 140 |
| 150x65 | 168.3 | 159 | 76.1(73) | 76 | 140 |
| 200x150 | 219.1 | 219 | 168.3 | 159 | 152 |
| 200x125 | 219.1 | 219 | 139.7 | 133 | 152 |
| 200x100 | 219.1 | 219 | 114.3 | 108 | 152 |
| 200x90 | 219.1 | - | 101.6 | - | 152 |
| 250x200 | 273.0 | 273 | 219.1 | 219 | 178 |
| 250x150 | 273.0 | 273 | 168.3 | 159 | 178 |
| 250x125 | 273.0 | 273 | 139.7 | 133 | 178 |
| 250x100 | 273.0 | 273 | 114.3 | 108 | 178 |
| 300x250 | 323.9 | 325 | 273.0 | 273 | 203 |
| 300x200 | 323.9 | 325 | 219.1 | 219 | 203 |
| 300x150 | 323.9 | 325 | 168.3 | 159 | 203 |
| 300x125 | 323.9 | 325 | 139.7 | 133 | 203 |
| 350x300 | 355.6 | 377 | 323.9 | 325 | 330 |
| 350x250 | 355.6 | 377 | 273.0 | 273 | 330 |
| 350x200 | 355.6 | 377 | 219.1 | 219 | 330 |
| 350x150 | 355.6 | 377 | 168.3 | 159 | 330 |
| 400x350 | 406.4 | 426 | 355.6 | 377 | 356 |
| 400x300 | 406.4 | 426 | 323.9 | 325 | 356 |
| 400x250 | 406.4 | 426 | 273.0 | 273 | 356 |
| 400x200 | 406.4 | 426 | 219.1 | 219 | 356 |
| 450x400 | 457.2 | 478 | 406.4 | 426 | 381 |
| 450x350 | 457.2 | 478 | 355.6 | 377 | 381 |
| 450x300 | 457.2 | 478 | 323.9 | 325 | 381 |
| 450x250 | 457.2 | 478 | 273.0 | 273 | 381 |
| 500x450 | 508.0 | 529 | 457.2 | 478 | 508 |
| 500x400 | 508.0 | 529 | 406.4 | 426 | 508 |
| 500x350 | 508.0 | 529 | 355.6 | 377 | 508 |
| 500x300 | 508.0 | 529 | 323.9 | 325 | 508 |

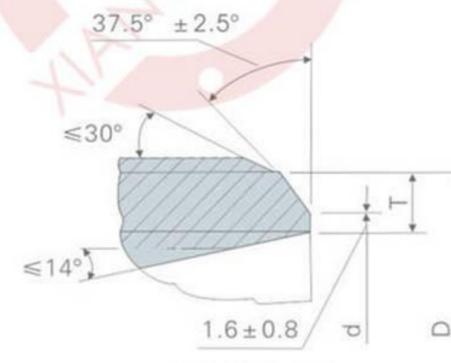
GB12459, GB/T13401

| 公称通径 Nominal Pipe size DN | 端部外径 Outside Diameter at Bevel | | | | 长度 End to End L |
|------------------------------------|-----------------------------------|-----------------|-----------------|-----------------|--------------------------|
| | D1 | | D2 | | |
| | A系列 Series A | B系列 Series B | A系列 Series A | B系列 Series B | |
| 550x500 | 559 | - | 508 | - | 508 |
| 550x450 | 559 | - | 457 | - | 508 |
| 550x400 | 559 | - | 406 | - | 508 |
| 550x350 | 559 | - | 356 | - | 508 |
| 600x550 | 610 | - | 559 | - | 508 |
| 600x500 | 610 | 630 | 508 | 530 | 508 |
| 600x450 | 610 | 630 | 457 | 480 | 508 |
| 600x400 | 610 | 630 | 406 | 426 | 508 |
| 650x600 | 660 | - | 610 | - | 610 |
| 650x550 | 660 | - | 559 | - | 610 |
| 650x500 | 660 | - | 508 | - | 610 |
| 650x450 | 660 | - | 457 | - | 610 |
| 700x650 | 711 | - | 660 | - | 610 |
| 700x600 | 711 | 720 | 610 | 630 | 610 |
| 700x550 | 711 | - | 559 | - | 610 |
| 700x500 | 711 | 720 | 508 | 530 | 610 |
| 750x700 | 762 | - | 711 | - | 610 |
| 750x650 | 762 | - | 660 | - | 610 |
| 750x600 | 762 | - | 610 | - | 610 |
| 750x550 | 762 | - | 559 | - | 610 |
| 800x750 | 813 | - | 762 | - | 610 |
| 800x700 | 813 | 820 | 711 | 720 | 610 |
| 800x650 | 813 | - | 660 | - | 610 |
| 800x600 | 813 | 820 | 610 | 630 | 610 |
| 850x800 | 864 | - | 813 | - | 610 |
| 850x750 | 864 | - | 762 | - | 610 |
| 850x700 | 864 | - | 711 | - | 610 |
| 850x650 | 864 | - | 660 | - | 610 |

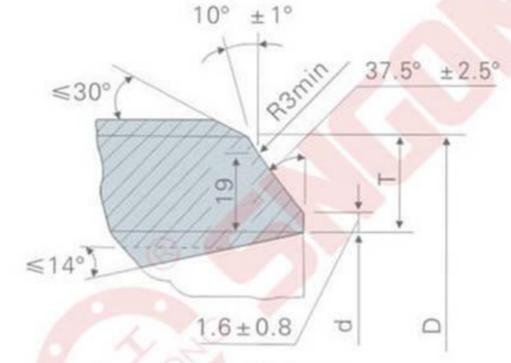
| 公称通径 Nominal Pipe size DN | 端部外径 Outside Diameter at Bevel | | | | 长度 End to End L |
|------------------------------------|-----------------------------------|-----------------|-----------------|-----------------|--------------------------|
| | D1 | | D2 | | |
| | A系列 Series A | B系列 Series B | A系列 Series A | B系列 Series B | |
| 900x850 | 914 | - | 864 | - | 610 |
| 900x800 | 914 | 920 | 813 | 820 | 610 |
| 900x750 | 914 | - | 762 | - | 610 |
| 900x700 | 914 | 920 | 711 | 720 | 610 |
| 950x900 | 965 | - | 914 | - | 610 |
| 950x850 | 965 | - | 864 | - | 610 |
| 950x800 | 965 | - | 813 | - | 610 |
| 950x750 | 965 | - | 762 | - | 610 |
| 1000x950 | 1016 | - | 965 | - | 610 |
| 1000x900 | 1016 | 1020 | 914 | 920 | 610 |
| 1000x850 | 1016 | - | 864 | - | 610 |
| 1000x800 | 1016 | 1020 | 813 | 820 | 610 |
| 1050x1000 | 1067 | - | 1016 | - | 610 |
| 1050x950 | 1067 | - | 965 | - | 610 |
| 1050x900 | 1067 | - | 914 | - | 610 |
| 1050x850 | 1067 | - | 864 | - | 610 |
| 1100x1050 | 1118 | - | 1067 | - | 610 |
| 1100x1000 | 1118 | 1120 | 1016 | 1020 | 610 |
| 1100x950 | 1118 | - | 965 | - | 610 |
| 1100x900 | 1118 | 1120 | 914 | 920 | 610 |
| 1150x1100 | 1168 | - | 1118 | - | 711 |
| 1150x1050 | 1168 | - | 1067 | - | 711 |
| 1150x1000 | 1168 | - | 1016 | - | 711 |
| 1150x950 | 1168 | - | 965 | - | 711 |
| 1200x1150 | 1220 | - | 1168 | - | 711 |
| 1200x1100 | 1220 | 1220 | 1118 | 1120 | 711 |
| 1200x1050 | 1220 | - | 1067 | - | 711 |
| 1200x1000 | 1220 | 1220 | 1016 | 1020 | 711 |

注: 1) 尽可能不采用括号内数值。 2) 优先选用A系列。

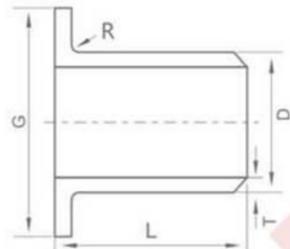
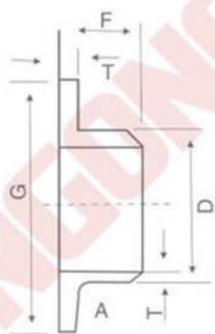
规定的对焊管件端坡口的结构型式 GB12459 GB/T13401
End Preparation of Butt-welding Fittings to GB 12459&GB/T 13401



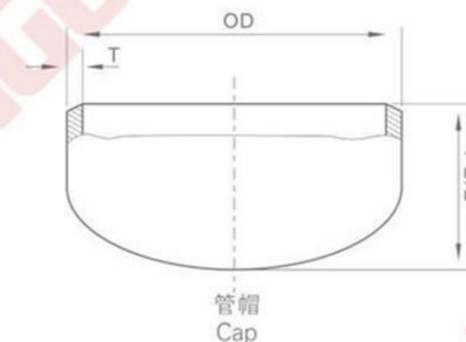
(a) 壁厚 ≤ 22



(b) 壁厚 ≥ 22



翻边接头
Lap joint stub ends



管帽
Cap

尺寸/SE对焊环 Size SE butt welding ring

| 公称通径 Nominal Pipe size DN(in) | 端部外径 Outside Diameter at Bevel D | | 长度 Length L | 圆角半径 Radius of fillet R | 搭线直径 Diameter of Lap G |
|--|--|-----------------|-------------------|-------------------------------|------------------------------|
| | A系列 Series A | B系列 Series B | | | |
| 15 | 21.3 | 18 | 38 | 2 | 46 |
| 20 | 26.9 | 25 | 40 | 2 | 56 |
| 25 | 33.7 | 32 | 40 | 3 | 65 |
| 32 | 42.4 | 38 | 42 | 3 | 76 |
| 40 | 48.3 | 45 | 45 | 3 | 84 |
| 50 | 60.3 | 57 | 48 | 3 | 99 |
| 65 | 76.1 | 76 | 48 | 3 | 118 |
| 80 | 88.9 | 89 | 50 | 4 | 132 |
| 100 | 114.3 | 108 | 52 | 4 | 156 |
| 125 | 139.7 | 133 | 55 | 4 | 184 |
| 150 | 168.3 | 159 | 55 | 4 | 211 |
| 200 | 219.1 | 219 | 62 | 5 | 266 |
| 250 | 273 | 273 | 70 | 5 | 319 |
| 300 | 323.9 | 325 | 78 | 5 | 370 |
| 350 | 355.6 | 377 | 82 | 5 | 429 |
| 400 | 406.4 | 426 | 85 | 5 | 480 |
| 450 | 457 | 478 | 87 | 5 | 548 |
| 500 | 508 | 529 | 90 | 6 | 609 |
| 600 | 610 | 630 | 95 | 6 | 720 |

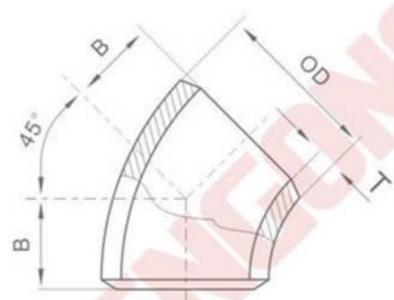
注：1、本表尺寸适用对焊环松套钢制管法兰（HG20599-97）PN1.6Mpa。
2、客户要求不同压力及型号，请在合同上注册。

GB 12459、GB/T 13401

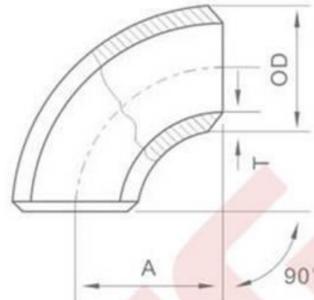
| 公称通径 Nominal Pipe size DN | 端部外径D Outside Diameter at Bevel | | 全长 Length | | 对尺寸E的 限制厚度 Limiting Wall Thickness for Length E |
|------------------------------------|---------------------------------------|-----------------|--------------|----------------|---|
| | A系列 Series A | B系列 Series B | E | E ₁ | |
| 15 | 21.3 | 18 | 25 | - | - |
| 20 | 26.9 | 25 | 25 | - | - |
| 25 | 33.7 | 32 | 38 | - | - |
| 32 | 42.4 | 38 | 38 | - | - |
| 40 | 48.3 | 45 | 38 | - | - |
| 50 | 60.3 | 57 | 38 | 44 | 5.5 |
| 65 | 76.1(73) | 76 | 38 | 51 | 7.0 |
| 80 | 88.9 | 89 | 51 | 64 | 7.6 |
| 90 | 101.6 | - | 64 | 76 | 8.1 |
| 100 | 114.3 | 108 | 64 | 76 | 8.6 |
| 125 | 139.7 | 133 | 76 | 89 | 9.5 |
| 150 | 168.3 | 159 | 89 | 102 | 11.0 |
| 200 | 219.1 | 219 | 102 | 127 | 12.7 |
| 250 | 273.0 | 273 | 127 | 152 | 12.7 |
| 300 | 323.9 | 325 | 152 | 178 | 12.7 |
| 350 | 355.6 | 377 | 165 | 191 | 12.7 |
| 400 | 406.4 | 426 | 178 | 203 | 12.7 |
| 450 | 457.2 | 478 | 203 | 229 | 12.7 |
| 500 | 508.0 | 529 | 229 | 254 | 12.7 |

注：1) DN600的管帽，当壁厚超过13mm时其E值改为305mm。
2) 尽可能不采用括号内的数值。
3) 管帽的全长不大于限制厚度时为E，超过限制厚度为E₁。

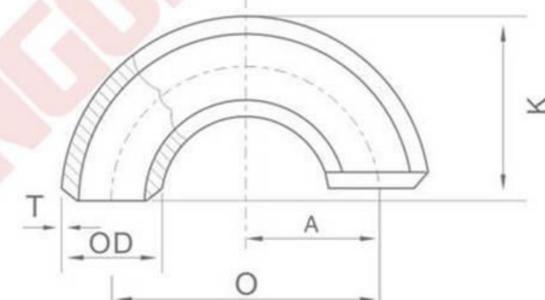
| 公称通径 Nominal Pipe size DN | 端部外径D Outside Diameter at Bevel | | 全长 Length E |
|------------------------------------|---------------------------------------|-----------------|-------------------|
| | A系列 Series A | B系列 Series B | |
| 550 | 559 | - | 254 |
| 600 | 610 | 630 | 267 |
| 650 | 660 | - | 267 |
| 700 | 711 | 720 | 267 |
| 750 | 762 | - | 267 |
| 800 | 813 | 820 | 267 |
| 850 | 864 | - | 267 |
| 900 | 914 | 920 | 267 |
| 950 | 965 | - | 305 |
| 1000 | 1016 | 1020 | 305 |
| 1050 | 1067 | - | 305 |
| 1100 | 1118 | 1120 | 343 |
| 1150 | 1168 | - | 343 |
| 1200 | 1220 | 1220 | 343 |



45° 弯头 Elbow



90° 弯头 Elbow



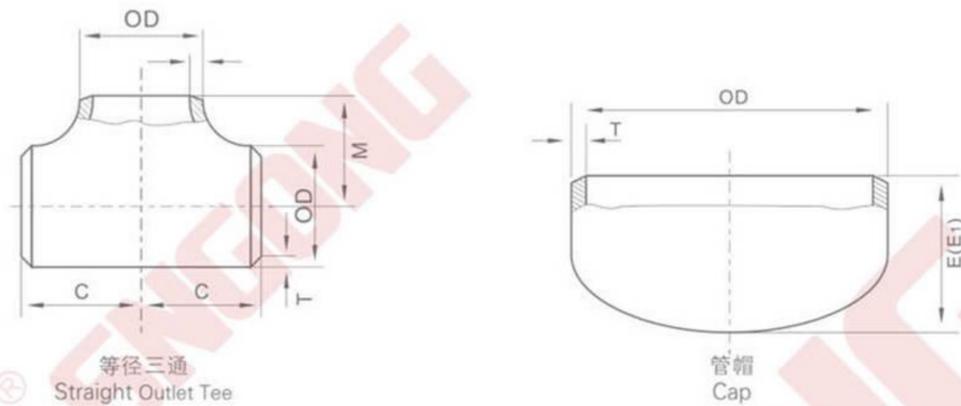
180° 弯头 Elbow

ASME B16.9, B16.28

| 公称口径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel OD | | 中心至端面 Center-to-end | | | | | | | |
|---------------------------------|--------------------------------------|-------|---------------------|------|------------------|------|-----------------|-----|------------------|-----|
| | | | A | | | | B | | | |
| | | | 长半径 Long Radius | | 短半径 Short Radius | | 长半径 Long Radius | | 短半径 Short Radius | |
| IN | MM | IN | MM | IN | MM | IN | MM | IN | MM | |
| 1/2 | 0.84 | 21.3 | 1.5 | 38 | - | - | 0.62 | 16 | - | - |
| 3/4 | 1.05 | 26.7 | 1.12 | 29 | - | - | 0.44 | 11 | - | - |
| 1 | 1.32 | 33.4 | 1.5 | 38 | 1 | 25 | 0.88 | 22 | 0.41 | 10 |
| 1 1/4 | 1.66 | 42.2 | 1.88 | 48 | 1.25 | 32 | - | 25 | 0.52 | 13 |
| 1 1/2 | 1.9 | 48.3 | 2.25 | 57 | 1.5 | 38 | 1.12 | 29 | 0.62 | 16 |
| 2 | 2.38 | 60.3 | 3 | 76 | 2 | 51 | 1.38 | 35 | 0.83 | 21 |
| 2 1/2 | 2.88 | 73.0 | 3.75 | 95 | 2.5 | 64 | 1.75 | 44 | 1.04 | 26 |
| 3 | 3.5 | 88.9 | 4.5 | 114 | 3 | 76 | 2 | 51 | 1.24 | 32 |
| 3 1/2 | 4 | 101.6 | 5.25 | 133 | 3.5 | 89 | 2.25 | 57 | 1.45 | 37 |
| 4 | 4.5 | 114.3 | 6 | 152 | 4 | 102 | 2.5 | 64 | 1.66 | 42 |
| 5 | 5.56 | 141.3 | 7.5 | 190 | 5 | 127 | 3.12 | 79 | 2.07 | 53 |
| 6 | 6.62 | 168.3 | 9 | 229 | 6 | 152 | 3.75 | 95 | 2.50 | 63 |
| 8 | 8.62 | 219.1 | 12 | 305 | 8 | 203 | 5 | 127 | 3.31 | 84 |
| 10 | 10.75 | 273.0 | 15 | 381 | 10 | 254 | 6.25 | 159 | 4.14 | 105 |
| 12 | 12.75 | 323.8 | 18 | 457 | 12 | 305 | 7.5 | 190 | 4.97 | 126 |
| 14 | 14 | 355.6 | 21 | 533 | 14 | 356 | 8.75 | 222 | 5.80 | 147 |
| 16 | 16 | 406.4 | 24 | 610 | 16 | 406 | 10 | 254 | 6.63 | 168 |
| 18 | 18 | 457 | 27 | 686 | 18 | 457 | 11.25 | 286 | 7.46 | 189 |
| 20 | 20 | 508 | 30 | 762 | 20 | 508 | 12.5 | 318 | 8.28 | 210 |
| 22 | 22 | 559 | 33 | 838 | 22 | 559 | 13.5 | 343 | 9.11 | 232 |
| 24 | 24 | 610 | 36 | 914 | 24 | 610 | 15 | 381 | 9.94 | 253 |
| 26 | 26 | 660 | 39 | 991 | 26 | 660 | 16 | 405 | 10.77 | 274 |
| 28 | 28 | 711 | 42 | 1067 | 28 | 711 | 17.25 | 438 | 11.60 | 295 |
| 30 | 30 | 762 | 45 | 1143 | 30 | 762 | 18.5 | 470 | 12.43 | 316 |
| 32 | 32 | 813 | 48 | 1219 | 32 | 813 | 19.75 | 502 | 14.89 | 378 |
| 34 | 34 | 864 | 51 | 1295 | 34 | 864 | 21 | 533 | 14.08 | 358 |
| 36 | 36 | 914 | 54 | 1372 | 36 | 914 | 22.25 | 565 | 14.91 | 379 |
| 38 | 38 | 965 | 57 | 1448 | 38 | 965 | 23.62 | 600 | 15.74 | 400 |
| 40 | 40 | 1016 | 60 | 1524 | 40 | 1016 | 24.88 | 632 | 16.57 | 421 |
| 42 | 42 | 1067 | 63 | 1600 | 42 | 1067 | 26 | 660 | 17.40 | 442 |
| 44 | 44 | 1118 | 66 | 1676 | 44 | 1118 | 27.38 | 695 | 18.23 | 463 |
| 46 | 46 | 1168 | 69 | 1753 | 46 | 1168 | 28.62 | 727 | 19.05 | 484 |
| 48 | 48 | 1219 | 72 | 1829 | 48 | 1219 | 29.88 | 759 | 19.88 | 505 |

ASME B16.9, B16.28

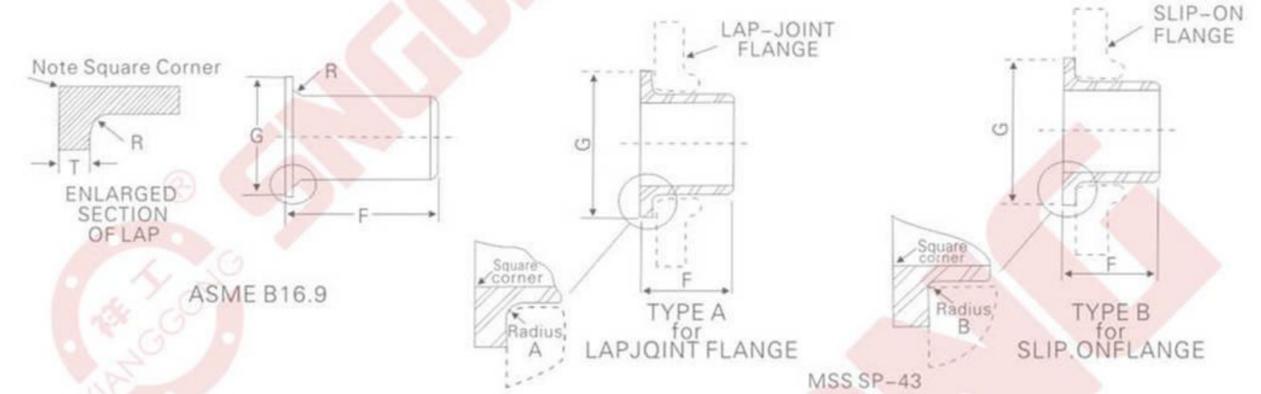
| 公称口径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel OD | | 中心至端面 Center-to-end | | | | 长度 End-to-end | | | |
|---------------------------------|--------------------------------------|-------|---------------------|------|----|------|----------------|------|-------|-----|
| | | | 180°弯头 Returns | | | | 180°弯头 Returns | | | |
| | | | O | | K | | O | | K | |
| IN | MM | IN | MM | IN | MM | IN | MM | IN | MM | |
| 1/2 | 0.84 | 21.3 | 3 | 76 | - | - | 1.88 | 48 | - | - |
| 3/4 | 1.05 | 26.7 | 2.25 | 57 | - | - | 1.69 | 43 | - | - |
| 1 | 1.32 | 33.4 | 3 | 76 | 2 | 51 | 2.19 | 56 | 1.62 | 41 |
| 1 1/4 | 1.66 | 42.2 | 3.75 | 95 | 5 | 64 | 2.75 | 70 | 2.06 | 52 |
| 1 1/2 | 1.9 | 48.3 | 4.5 | 114 | 3 | 76 | 3.25 | 83 | 2.44 | 62 |
| 2 | 2.38 | 60.3 | 6 | 152 | 4 | 102 | 4.19 | 106 | 3.19 | 81 |
| 2 1/2 | 2.88 | 73.0 | 7.5 | 190 | 5 | 127 | 5.19 | 132 | 3.94 | 100 |
| 3 | 3.5 | 88.9 | 9 | 229 | 6 | 152 | 6.25 | 159 | 4.75 | 121 |
| 3 1/2 | 4 | 101.6 | 10.5 | 267 | 7 | 178 | 7.25 | 184 | 5.5 | 140 |
| 4 | 4.5 | 114.3 | 12 | 305 | 8 | 203 | 8.25 | 210 | 6.25 | 159 |
| 5 | 5.56 | 141.3 | 15 | 381 | 10 | 254 | 10.31 | 262 | 7.75 | 197 |
| 6 | 6.62 | 168.3 | 18 | 457 | 12 | 305 | 12.31 | 313 | 9.31 | 237 |
| 8 | 8.62 | 219.1 | 24 | 610 | 16 | 406 | 16.31 | 414 | 12.31 | 313 |
| 10 | 10.75 | 273.0 | 30 | 762 | 20 | 508 | 20.38 | 518 | 15.38 | 391 |
| 12 | 12.75 | 323.8 | 36 | 914 | 24 | 610 | 24.38 | 619 | 18.38 | 467 |
| 14 | 14 | 355.6 | 42 | 1067 | 28 | 711 | 28 | 711 | 21 | 533 |
| 16 | 16 | 406.4 | 48 | 1219 | 32 | 813 | 32 | 813 | 24 | 610 |
| 18 | 18 | 457 | 54 | 1372 | 36 | 914 | 36 | 914 | 27 | 686 |
| 20 | 20 | 508 | 60 | 1524 | 40 | 1016 | 40 | 1016 | 30 | 762 |
| 22 | 22 | 559 | 66 | 1676 | 44 | 1118 | 44 | 1118 | 33 | 838 |
| 24 | 24 | 610 | 72 | 1829 | 48 | 1219 | 48 | 1219 | 36 | 914 |



ASME B16.9

| 公称口径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel OD | | 中心至端面 Center - to - end | | | | 长度 End - to - end | | | | | |
|---------------------------------------|--|--------|---------------------------|-----|------|-----|-------------------|-----|--|-------|--------------------|-----|
| | | | 等径三通 Straight Outlet Tees | | | | 管帽 Caps | | | | | |
| | | | C | | M(1) | | 长度 Length(2) E | | 对尺寸E的限制厚度 Limiting Wall Thickness For Length "E" | | 长度 Length(3) E1 | |
| | | | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM |
| 1/2 | 0.84 | 21.3 | 1 | 25 | 1 | 25 | 1 | 25 | 0.18 | 4.58 | 1 | 25 |
| 3/4 | 1.05 | 26.7 | 1.12 | 29 | 1.12 | 29 | 1 | 25 | 0.15 | 3.81 | 1 | 25 |
| 1 | 1.32 | 33.4 | 1.5 | 38 | 1.5 | 38 | 1.5 | 38 | 0.18 | 4.57 | 1.5 | 38 |
| 1 1/4 | 1.66 | 42.2 | 1.88 | 48 | 1.88 | 48 | 1.5 | 38 | 0.19 | 4.83 | 1.5 | 38 |
| 1 1/2 | 1.9 | 48.3 | 2.25 | 57 | 2.25 | 57 | 1.5 | 38 | 0.2 | 5.08 | 1.5 | 38 |
| 2 | 2.38 | 60.3 | 2.5 | 64 | 2.5 | 64 | 1.5 | 38 | 0.22 | 5.59 | 1.75 | 44 |
| 2 1/2 | 2.88 | 73.0 | 3 | 76 | 3 | 76 | 1.5 | 38 | 0.28 | 7.11 | 2 | 51 |
| 3 | 3.5 | 88.9 | 3.38 | 86 | 3.38 | 86 | 2 | 51 | 0.3 | 7.62 | 2.5 | 64 |
| 3 1/2 | 4 | 101.6 | 3.75 | 95 | 3.75 | 95 | 2.5 | 64 | 0.32 | 8.13 | 3 | 76 |
| 4 | 4.5 | 114.3 | 4.12 | 105 | 4.12 | 105 | 2.5 | 64 | 0.37 | 8.64 | 3 | 76 |
| 5 | 5.56 | 141.3 | 4.88 | 124 | 4.88 | 124 | 3 | 76 | 0.38 | 9.65 | 3.5 | 89 |
| 6 | 6.62 | 168.3 | 5.62 | 143 | 5.62 | 143 | 3.5 | 89 | 0.43 | 10.92 | 4 | 102 |
| 8 | 8.62 | 219.1 | 7 | 178 | 7 | 178 | 4 | 102 | 0.5 | 12.7 | 5 | 127 |
| 10 | 10.75 | 273.0 | 8.5 | 216 | 8.5 | 216 | 5 | 127 | 0.5 | 12.7 | 6 | 152 |
| 12 | 12.75 | 323.8 | 10 | 254 | 10 | 254 | 6 | 152 | 0.5 | 12.7 | 7 | 178 |
| 14 | 14 | 355.6 | 11 | 279 | 11 | 279 | 6.5 | 165 | 0.5 | 12.7 | 7.5 | 191 |
| 16 | 16 | 406.4 | 12 | 305 | 12 | 305 | 7 | 178 | 0.5 | 12.7 | 8 | 203 |
| 18 | 18 | 457.2 | 13.5 | 343 | 13.5 | 343 | 8 | 203 | 0.5 | 12.7 | 9 | 229 |
| 20 | 20 | 508 | 15 | 381 | 15 | 381 | 9 | 229 | 0.5 | 12.7 | 10 | 254 |
| 22 | 22 | 558.8 | 16.5 | 419 | 16.5 | 419 | 10 | 254 | 0.5 | 12.7 | 10 | 254 |
| 24 | 24 | 609.6 | 17 | 432 | 17 | 432 | 10.5 | 267 | 0.5 | 12.7 | 12 | 305 |
| 26 | 26 | 660.4 | 19.5 | 495 | 19.5 | 495 | 10.5 | 267 | - | - | - | - |
| 28 | 28 | 711.2 | 20.2 | 521 | 20.2 | 521 | 10.5 | 267 | - | - | - | - |
| 30 | 30 | 762 | 22 | 559 | 22 | 559 | 10.5 | 267 | - | - | - | - |
| 32 | 32 | 812.8 | 23.5 | 597 | 23.5 | 597 | 10.5 | 267 | - | - | - | - |
| 34 | 34 | 863.6 | 25 | 635 | 25 | 635 | 10.5 | 267 | - | - | - | - |
| 36 | 36 | 914.4 | 26.5 | 673 | 26.5 | 673 | 10.5 | 267 | - | - | - | - |
| 38 | 38 | 965.2 | 28 | 711 | 28 | 711 | 12 | 305 | - | - | - | - |
| 40 | 40 | 1016 | 29.5 | 749 | 29.5 | 749 | 12 | 305 | - | - | - | - |
| 42 | 42 | 1066.8 | 30 | 762 | 28 | 711 | 12 | 305 | - | - | - | - |
| 44 | 44 | 1117.6 | 32 | 813 | 30 | 762 | 13.5 | 343 | - | - | - | - |
| 46 | 46 | 1168.4 | 33.5 | 851 | 31.5 | 800 | 13.5 | 343 | - | - | - | - |
| 48 | 48 | 1219.2 | 35 | 889 | 33 | 838 | 13.5 | 343 | - | - | - | - |

NOTES:
 (1) Outlet dimension M for NPS 26 and larger is recommended but not required.
 (2) Length E applies for thickness not exceeding that given in column "Limiting Wall Thickness for Length E"
 (3) Length E1 applies for thickness greater than that given in column "Limiting Wall Thickness for Length E" for NPS 24 and smaller.



ASME B16.9 MSS SP-43

| 公称口径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel OD | | 端部外径 Outside Diameter of Barrel | | | | 端部外径 Diameter OF LAP G (Nominal&Max) | |
|------------------------------------|---|-------|------------------------------------|-------|--------|-------|--|-----|
| | | | Max | | Min | | | |
| | | | IN | MM | IN | MM | | |
| 1/2 | 0.84 | 21.3 | 0.896 | 22.8 | 0.809 | 20.5 | 1.38 | 35 |
| 3/4 | 1.05 | 26.7 | 1.106 | 28.1 | 1.019 | 25.9 | 1.69 | 43 |
| 1 | 1.32 | 33.4 | 1.376 | 35 | 1.284 | 32.6 | 2 | 51 |
| 1 1/4 | 1.65 | 42.2 | 1.716 | 43.6 | 1.629 | 41.4 | 2.5 | 64 |
| 1 1/2 | 1.9 | 48.3 | 1.965 | 49.9 | 1.869 | 47.5 | 2.88 | 73 |
| 2 | 2.38 | 60.3 | 2.456 | 62.4 | 2.344 | 59.5 | 3.62 | 92 |
| 2 1/2 | 2.88 | 70.0 | 2.966 | 75.3 | 2.844 | 72.2 | 4.12 | 106 |
| 3 | 3.5 | 88.9 | 3.596 | 91.3 | 3.469 | 88.1 | 5 | 127 |
| 3 1/2 | 4 | 110.6 | 4.096 | 104 | 3.969 | 100.8 | 5.5 | 140 |
| 4 | 4.5 | 114.3 | 4.593 | 116.7 | 4.469 | 113.5 | 6.19 | 157 |
| 5 | 5.56 | 141.3 | 5.683 | 144.3 | 5.532 | 140.5 | 7.31 | 185 |
| 6 | 6.62 | 168.3 | 6.743 | 171.3 | 6.594 | 167.5 | 8.5 | 218 |
| 8 | 8.62 | 219.1 | 8.743 | 222.1 | 8.594 | 218.3 | 10.62 | 270 |
| 10 | 10.75 | 273.0 | 10.913 | 277.2 | 10.719 | 272.3 | 12.75 | 324 |
| 12 | 12.75 | 323.8 | 12.913 | 328 | 12.719 | 323.1 | 15 | 381 |
| 14 | 14 | 355.6 | 14.17 | 359.9 | 13.969 | 354.8 | 16.25 | 413 |
| 16 | 16 | 406.4 | 16.18 | 411 | 15.969 | 405.6 | 18.5 | 370 |
| 18 | 18 | 457 | 18.19 | 462 | 17.969 | 456 | 21 | 533 |
| 20 | 20 | 508 | 20.24 | 514 | 19.969 | 507 | 23 | 584 |
| 22 | 22 | 559 | 22.24 | 565 | 21.969 | 558 | 25.25 | 641 |
| 24 | 24 | 610 | 24.24 | 616 | 23.969 | 609 | 27.25 | 692 |

| 公称口径 Nominal Pipe Size (NPS) | 长度 Length F | | | | 半径 Radius R | | | |
|------------------------------------|-------------|-----|------------------|-----|------------------------------------|-------|------------------|-----|
| | ASME Long | | ASME Short & MSS | | MSS Type A & ASME (Nominal&Max) | | MSS Type B (Max) | |
| | IN | MM | IN | MM | IN | MM | IN | MM |
| 1/2 | 3 | 76 | 2 | 51 | 0.12 | 1.38 | 0.03 | 0.8 |
| 3/4 | 3 | 76 | 2 | 51 | 0.12 | 1.69 | 0.03 | 0.8 |
| 1 | 4 | 102 | 2 | 51 | 0.12 | 2 | 0.03 | 0.8 |
| 1 1/4 | 4 | 102 | 2 | 51 | 0.19 | 2.5 | 0.03 | 0.8 |
| 1 1/2 | 4 | 102 | 2 | 51 | 0.25 | 2.88 | 0.03 | 0.8 |
| 2 | 6 | 152 | 2.5 | 64 | 0.31 | 3.62 | 0.03 | 0.8 |
| 2 1/2 | 6 | 152 | 2.5 | 64 | 0.31 | 4.12 | 0.03 | 0.8 |
| 3 | 6 | 152 | 2.5 | 64 | 0.38 | 5 | 0.03 | 0.8 |
| 3 1/2 | 6 | 152 | 3 | 76 | 0.38 | 5.5 | 0.03 | 0.8 |
| 4 | 6 | 152 | 3 | 76 | 0.44 | 6.19 | 0.03 | 0.8 |
| 5 | 8 | 203 | 3 | 76 | 0.44 | 7.31 | 0.06 | 1.5 |
| 6 | 8 | 203 | 3.5 | 89 | 0.5 | 8.5 | 0.06 | 1.5 |
| 8 | 8 | 203 | 4 | 102 | 0.5 | 10.62 | 0.06 | 1.5 |
| 10 | 10 | 254 | 5 | 127 | 0.5 | 12.75 | 0.06 | 1.5 |
| 12 | 10 | 254 | 6 | 152 | 0.5 | 15 | 0.06 | 1.5 |
| 14 | 12 | 305 | 6 | 152 | 0.5 | 16.25 | 0.06 | 1.5 |
| 16 | 12 | 305 | 6 | 152 | 0.5 | 18.5 | 0.06 | 1.5 |
| 18 | 12 | 305 | 6 | 152 | 0.5 | 21 | 0.06 | 1.5 |
| 20 | 12 | 305 | 6 | 152 | 0.5 | 23 | 0.06 | 1.5 |
| 22 | 12 | 305 | 6 | 152 | 0.5 | 25.25 | 0.06 | 1.5 |
| 24 | 12 | 305 | 6 | 152 | 0.5 | 27.25 | 0.06 | 1.5 |

REDUCING TEES AND CONCENTRIC & ECCENTRIC REDUCERS

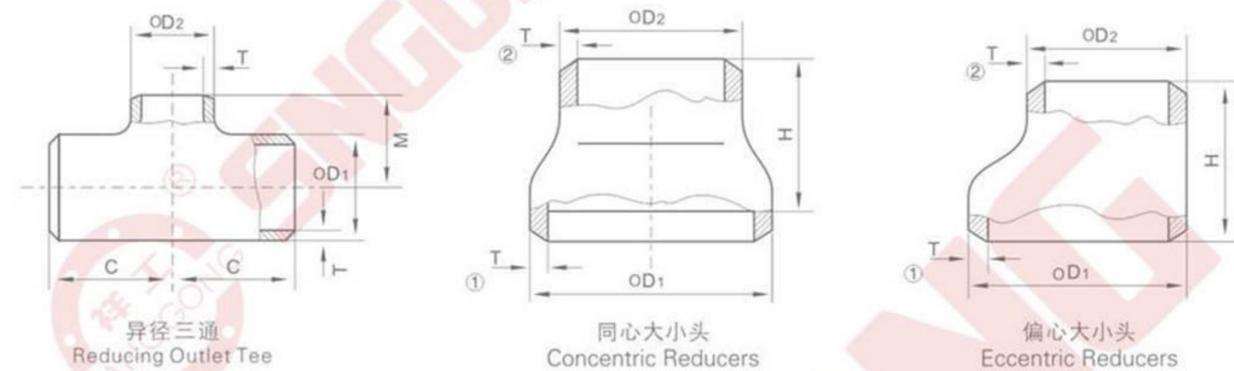
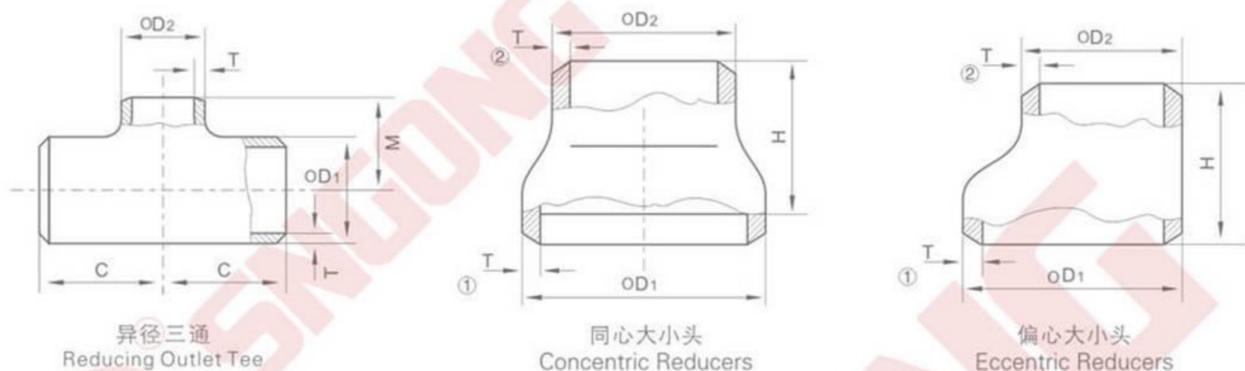
异径三通和同心，偏心异径管



流体管道方案解决商
FLUID PIPELINE SOLUTION PROVIDER

REDUCING TEES AND CONCENTRIC & ECCENTRIC REDUCERS

异径三通和同心，偏心异径管



ASME B16.9

| 公称通径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel | | | | 中心至端面 Center-to-end | | | | 长度 End-to-end | |
|---------------------------------------|--------------------------------|-------|------|-------|---------------------|-----|------|-----|---------------|-----|
| | OD1 | | OD2 | | C | | H | | H | |
| | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM |
| 3/4x1/2 | 1.05 | 26.7 | 0.84 | 21.3 | 1.12 | 29 | 1.12 | 29 | 1.5 | 38 |
| 1x3/4 | 1.32 | 33.4 | 1.05 | 26.7 | 1.5 | 38 | 1.5 | 38 | 2 | 51 |
| 1x1/2 | 1.32 | 33.4 | 0.84 | 21.3 | 1.5 | 38 | 1.5 | 38 | 2 | 51 |
| 1 1/4x1 | 1.66 | 42.2 | 1.32 | 33.4 | 1.88 | 48 | 1.88 | 48 | 2 | 51 |
| 1 1/4x3/4 | 1.66 | 42.2 | 1.05 | 26.7 | 1.88 | 48 | 1.88 | 48 | 2 | 51 |
| 1 1/4x1/2 | 1.66 | 42.2 | 0.84 | 21.3 | 1.88 | 48 | 1.88 | 48 | 2 | 51 |
| 1 1/2x1 1/4 | 1.9 | 42.2 | 1.66 | 42.2 | 2.25 | 57 | 2.25 | 57 | 2.5 | 64 |
| 1 1/2x1 | 1.9 | 48.3 | 1.32 | 33.4 | 2.25 | 57 | 2.25 | 57 | 2.5 | 64 |
| 1 1/2x3/4 | 1.9 | 48.3 | 1.05 | 26.7 | 2.25 | 57 | 2.25 | 57 | 2.5 | 64 |
| 1 1/2x1/2 | 1.9 | 48.3 | 0.84 | 21.3 | 2.25 | 57 | 2.25 | 57 | 2.5 | 64 |
| 2x1 1/2 | 2.38 | 60.3 | 1.9 | 48.3 | 2.5 | 64 | 2.38 | 60 | 3 | 76 |
| 2x1 1/4 | 2.38 | 60.3 | 1.66 | 42.2 | 2.5 | 64 | 2.25 | 57 | 3 | 76 |
| 2x1 | 2.38 | 60.3 | 1.32 | 33.4 | 2.5 | 64 | 2 | 51 | 3 | 76 |
| 2x3/4 | 2.38 | 60.3 | 1.05 | 26.7 | 2.5 | 64 | 1.75 | 44 | 3 | 76 |
| 2x1/2 | 2.38 | 60.3 | 0.84 | 21.3 | 2.5 | 64 | * | * | 3 | 76 |
| 2 1/2x2 | 2.88 | 73 | 2.38 | 60.3 | 3 | 76 | 2.75 | 70 | 3.5 | 89 |
| 2 1/2x1 1/2 | 2.88 | 73 | 1.9 | 48.3 | 3 | 76 | 2.62 | 67 | 3.5 | 89 |
| 2 1/2x1 1/4 | 2.88 | 73 | 1.66 | 42.2 | 3 | 76 | 2.5 | 64 | 3.5 | 89 |
| 2 1/2x1 | 2.88 | 73 | 1.32 | 33.4 | 3 | 76 | 2.25 | 57 | 3.5 | 89 |
| 2 1/2x3/4 | 2.88 | 73 | 1.05 | 26.7 | 3 | 76 | * | * | 3.5 | 89 |
| 2 1/2x1/2 | 2.88 | 73 | 0.84 | 21.3 | 3 | 76 | * | * | 3.5 | 89 |
| 3x2 1/2 | 3.5 | 88.9 | 2.88 | 73 | 3.38 | 86 | 3.25 | 83 | 3.5 | 89 |
| 3x2 | 3.5 | 88.9 | 2.38 | 60.3 | 3.38 | 86 | 3 | 76 | 3.5 | 89 |
| 3x1 1/2 | 3.5 | 88.9 | 1.9 | 48.3 | 3.38 | 86 | 2.88 | 73 | 3.5 | 89 |
| 3x1 1/4 | 3.5 | 88.9 | 1.66 | 42.2 | 3.38 | 86 | 2.75 | 70 | 3.5 | 89 |
| 3x1 | 3.5 | 88.9 | 1.32 | 33.4 | 3.38 | 86 | * | * | 3.5 | 89 |
| 3x3/4 | 3.5 | 88.9 | 1.05 | 26.7 | 3.38 | 86 | * | * | 3.5 | 89 |
| 3x1/2 | 3.5 | 88.9 | 0.84 | 21.3 | 3.38 | 86 | * | * | 3.5 | 89 |
| 3 1/2x3 | 4 | 101.6 | 3.5 | 88.9 | 3.75 | 95 | 3.62 | 92 | 4 | 102 |
| 3 1/2x2 1/2 | 4 | 101.6 | 2.88 | 73 | 3.75 | 95 | 3.5 | 89 | 4 | 102 |
| 3 1/2x2 | 4 | 101.6 | 2.38 | 60.3 | 3.75 | 95 | 3.25 | 83 | 4 | 102 |
| 3 1/2x1 1/2 | 4 | 101.6 | 1.9 | 48.3 | 3.75 | 95 | 3.12 | 79 | 4 | 102 |
| 3 1/2x1 1/4 | 4 | 101.6 | 1.66 | 42.2 | 3.75 | 95 | * | * | 4 | 102 |
| 4x3 1/2 | 4.5 | 114.3 | 4 | 101.6 | 4.12 | 105 | 4 | 102 | 4 | 102 |
| 4x3 | 4.5 | 114.3 | 3.5 | 88.9 | 4.12 | 105 | 3.88 | 98 | 4 | 102 |
| 4x2 1/2 | 4.5 | 114.3 | 2.88 | 73 | 4.12 | 105 | 3.75 | 95 | 4 | 102 |
| 4x2 | 4.5 | 114.3 | 2.38 | 60.3 | 4.12 | 105 | 3.5 | 89 | 4 | 102 |
| 4x1 1/2 | 4.5 | 114.3 | 1.9 | 48.3 | 4.12 | 105 | 3.38 | 86 | 4 | 102 |
| 4x1 1/4 | 4.5 | 114.3 | 1.66 | 42.2 | 4.12 | 105 | * | * | 4 | 102 |
| 4x1 | 4.5 | 114.3 | 1.32 | 33.4 | 4.12 | 105 | * | * | 4 | 102 |

ASME B16.9

| 公称通径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel | | | | 中心至端面 Center-to-end | | | | 长度 End-to-end | |
|---------------------------------------|--------------------------------|-------|-------|-------|---------------------|-----|-------|-----|---------------|-----|
| | OD1 | | OD2 | | C | | H | | H | |
| | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM |
| 5x4 | 5.56 | 141.3 | 4.5 | 114.3 | 4.88 | 124 | 4.62 | 117 | 5 | 127 |
| 5x3 1/3 | 5.56 | 141.3 | 4 | 101.6 | 4.88 | 124 | 4.5 | 114 | 5 | 127 |
| 5x3 | 5.56 | 141.3 | 3.5 | 88.9 | 4.88 | 124 | 4.38 | 111 | 5 | 127 |
| 5x2 1/2 | 5.56 | 141.3 | 2.88 | 73 | 4.88 | 124 | 4.25 | 108 | 5 | 127 |
| 5x2 | 5.56 | 141.3 | 2.38 | 60.3 | 4.88 | 124 | 4.12 | 105 | 5 | 127 |
| 5x1 1/2 | 5.56 | 141.3 | 1.9 | 48.3 | 4.88 | 124 | * | * | 5 | 127 |
| 5x1 1/4 | 5.56 | 141.3 | 1.66 | 42.2 | 4.88 | 124 | * | * | 5 | 127 |
| 6x5 | 6.62 | 168.3 | 5.56 | 141.3 | 5.62 | 143 | 5.38 | 137 | 5.5 | 140 |
| 6x4 | 6.62 | 168.3 | 4.5 | 114.3 | 5.62 | 143 | 5.12 | 130 | 5.5 | 140 |
| 6x3 1/2 | 6.62 | 168.3 | 4 | 101.6 | 5.62 | 143 | 5 | 127 | 5.5 | 140 |
| 6x3 | 6.62 | 168.3 | 3.5 | 88.9 | 5.62 | 143 | 4.88 | 124 | 5.5 | 140 |
| 6x2 1/2 | 6.62 | 168.3 | 2.88 | 73 | 5.62 | 143 | 4.75 | 121 | 5.5 | 140 |
| 6x2 | 6.62 | 168.3 | 2.38 | 60.3 | 5.62 | 143 | * | * | 5.5 | 140 |
| 8x6 | 8.62 | 219.1 | 6.62 | 168.3 | 7 | 178 | 6.62 | 168 | 6 | 152 |
| 8x5 | 8.62 | 219.1 | 5.56 | 141.3 | 7 | 178 | 6.38 | 162 | 6 | 152 |
| 8x4 | 8.62 | 219.1 | 4.5 | 114.3 | 7 | 178 | 6.12 | 156 | 6 | 152 |
| 8x3 1/2 | 8.62 | 219.1 | 4 | 101.6 | 7 | 178 | 6 | 152 | 6 | 152 |
| 8x3 | 8.62 | 219.1 | 3.5 | 88.9 | 7 | 178 | * | * | 6 | 152 |
| 10x8 | 10.75 | 273 | 8.62 | 219.1 | 8.5 | 216 | 8 | 203 | 7 | 178 |
| 10x6 | 10.75 | 273 | 6.62 | 168.3 | 8.5 | 216 | 7.62 | 194 | 7 | 178 |
| 10x5 | 10.75 | 273 | 5.56 | 141.3 | 8.5 | 216 | 7.5 | 191 | 7 | 178 |
| 10x4 | 10.75 | 273 | 4.5 | 114.3 | 8.5 | 216 | 7.25 | 184 | 7 | 178 |
| 10x3 | 10.75 | 273 | 3.5 | 88.9 | 8.5 | 216 | * | * | 7 | 178 |
| 12x10 | 12.75 | 323.8 | 10.75 | 273 | 10 | 254 | 9.5 | 241 | 8 | 203 |
| 12x8 | 12.75 | 323.8 | 8.62 | 219.1 | 10 | 254 | 9 | 229 | 8 | 203 |
| 12x6 | 12.75 | 323.8 | 6.62 | 168.3 | 10 | 254 | 8.62 | 219 | 8 | 203 |
| 12x5 | 12.75 | 323.8 | 5.56 | 141.3 | 10 | 254 | 8.5 | 216 | 8 | 203 |
| 12x4 | 12.75 | 323.8 | 4.5 | 114.3 | 10 | 254 | * | * | 8 | 203 |
| 14x12 | 14 | 355.6 | 12.75 | 323.8 | 11 | 279 | 10.62 | 270 | 13 | 330 |
| 14x10 | 14 | 355.6 | 10.75 | 273 | 11 | 279 | 10.12 | 257 | 13 | 330 |
| 14x8 | 14 | 355.6 | 8.62 | 219.1 | 11 | 279 | 9.75 | 248 | 13 | 330 |
| 14x6 | 14 | 355.6 | 6.62 | 168.3 | 11 | 279 | 9.38 | 238 | 13 | 330 |
| 14x5 | 14 | 355.6 | 5.56 | 141.3 | 11 | 279 | * | * | 13 | 330 |
| 16x14 | 16 | 406.4 | 14 | 355.6 | 12 | 305 | 12 | 305 | 14 | 356 |
| 16x12 | 16 | 406.4 | 12.75 | 323.8 | 12 | 305 | 11.62 | 295 | 14 | 356 |
| 16x10 | 16 | 406.4 | 10.75 | 273 | 12 | 305 | 11.12 | 283 | 14 | 356 |
| 16x8 | 16 | 406.4 | 8.62 | 219.1 | 12 | 305 | 10.75 | 273 | 14 | 356 |
| 16x6 | 16 | 406.4 | 6.62 | 168.3 | 12 | 305 | 10.38 | 264 | 14 | 356 |
| 18x16 | 18 | 457 | 16 | 406.4 | 13.5 | 343 | 13 | 330 | 15 | 381 |

NOTE:(1)Outlet dimensions M for run sizes NPS 14 and larger is recommended but not required.

REDUCING TEES AND CONCENTRIC & ECCENTRIC REDUCERS

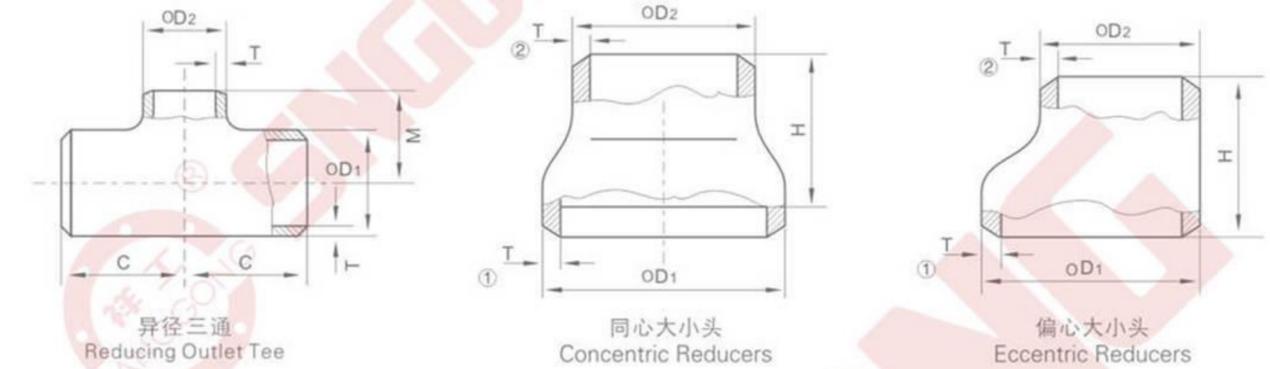
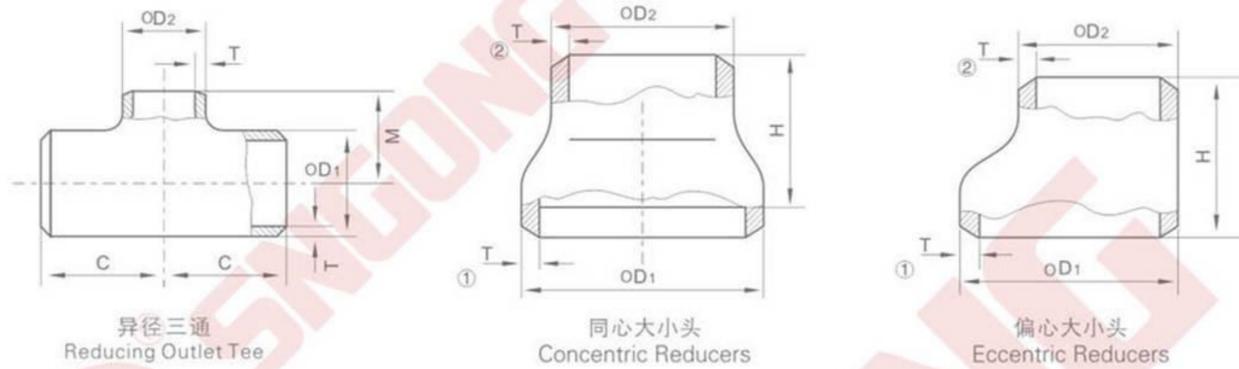
异径三通和同心，偏心异径管



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ASME B16.9

| 公称口径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel | | | | 中心至端面 Center - to - end | | | | 长度 End - to - end | |
|---------------------------------------|--------------------------------|-----|-----------------|-------|-------------------------|-----|-------|-----|-------------------|-----|
| | OD ₁ | | OD ₂ | | C | | M(1) | | H | |
| | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM |
| 18x14 | 18 | 457 | 14 | 355.6 | 13.5 | 343 | 13 | 330 | 15 | 381 |
| 18x12 | 18 | 457 | 12.75 | 323.8 | 13.5 | 343 | 12.62 | 321 | 15 | 381 |
| 18x10 | 18 | 457 | 10.75 | 273 | 13.5 | 343 | 12.12 | 308 | 5 | 381 |
| 18x8 | 18 | 457 | 8.62 | 219.1 | 13.5 | 343 | 11.75 | 298 | 15 | 381 |
| 20x18 | 20 | 508 | 18 | 457.2 | 15 | 381 | 14.5 | 368 | 20 | 508 |
| 20x16 | 20 | 508 | 16 | 406.4 | 15 | 381 | 14 | 356 | 20 | 508 |
| 20x14 | 20 | 508 | 14 | 355.6 | 15 | 381 | 14 | 356 | 20 | 508 |
| 20x12 | 20 | 508 | 12.75 | 323.8 | 15 | 381 | 13.62 | 346 | 20 | 508 |
| 20x10 | 20 | 508 | 10.75 | 273 | 15 | 381 | 13.12 | 333 | 20 | 508 |
| 20x8 | 20 | 508 | 8.62 | 219.1 | 15 | 381 | 12.75 | 324 | 20 | 508 |
| 22x20 | 22 | 559 | 20 | 508 | 16.5 | 419 | 16 | 406 | 20 | 508 |
| 22x18 | 22 | 559 | 18 | 457.2 | 16.5 | 419 | 15.5 | 394 | 20 | 508 |
| 22x16 | 22 | 559 | 16 | 406.4 | 16.5 | 419 | 15 | 381 | 20 | 508 |
| 22x14 | 22 | 559 | 14 | 355.6 | 16.5 | 419 | 15 | 381 | 20 | 508 |
| 22x12 | 22 | 559 | 12.75 | 323.8 | 16.5 | 419 | 14.62 | 371 | 20 | 508 |
| 22x10 | 22 | 559 | 10.75 | 273 | 16.5 | 419 | 14.12 | 359 | 20 | 508 |
| 24x22 | 24 | 610 | 22 | 558.8 | 17 | 432 | 17 | 432 | 20 | 508 |
| 24x20 | 24 | 610 | 20 | 508 | 17 | 432 | 17 | 432 | 20 | 508 |
| 24x18 | 24 | 610 | 18 | 457.2 | 17 | 432 | 16.5 | 419 | 20 | 508 |
| 22x16 | 24 | 610 | 16 | 406.4 | 17 | 432 | 16 | 406 | 20 | 508 |
| 22x14 | 24 | 610 | 14 | 355.6 | 17 | 432 | 16 | 405 | 20 | 508 |
| 24x12 | 24 | 610 | 12.75 | 323.8 | 17 | 432 | 15.62 | 397 | 20 | 508 |
| 24x10 | 24 | 610 | 10.75 | 273 | 17 | 432 | 15.12 | 384 | 20 | 508 |
| 26x24 | 26 | 660 | 24 | 609.6 | 19.5 | 495 | 19 | 483 | 24 | 610 |
| 26x22 | 26 | 660 | 22 | 558.8 | 19.5 | 495 | 18.5 | 470 | 24 | 610 |
| 26x20 | 26 | 660 | 20 | 508 | 19.5 | 495 | 18 | 457 | 24 | 610 |
| 26x18 | 26 | 660 | 18 | 457.2 | 19.5 | 495 | 17.5 | 444 | 24 | 610 |
| 26x16 | 26 | 660 | 16 | 406.4 | 19.5 | 495 | 17 | 432 | 24 | 610 |
| 26x14 | 26 | 660 | 14 | 355.6 | 19.5 | 495 | 17 | 432 | 24 | 610 |
| 26x12 | 26 | 660 | 12.75 | 323.8 | 19.5 | 495 | 16.62 | 422 | 24 | 610 |
| 28x26 | 28 | 711 | 26 | 660.4 | 20.5 | 521 | 20.5 | 521 | 24 | 610 |
| 28x24 | 28 | 711 | 24 | 609.6 | 20.5 | 521 | 20 | 508 | 24 | 610 |
| 28x22 | 28 | 711 | 22 | 558.8 | 20.5 | 521 | 19.5 | 495 | 24 | 610 |
| 28x20 | 28 | 711 | 20 | 508 | 20.5 | 521 | 19 | 483 | 24 | 610 |
| 28x18 | 28 | 711 | 18 | 457.2 | 20.5 | 521 | 18.5 | 470 | 24 | 610 |
| 28x16 | 28 | 711 | 16 | 406.4 | 20.5 | 521 | 18 | 457 | 24 | 610 |
| 28x14 | 28 | 711 | 14 | 355.6 | 20.5 | 521 | 18 | 457 | 24 | 610 |
| 28x12 | 28 | 711 | 12.75 | 323.8 | 20.5 | 521 | 17.62 | 448 | 24 | 610 |
| 30x28 | 30 | 762 | 28 | 711.2 | 22 | 559 | 21.5 | 546 | 24 | 610 |

NOTE:(1)Outlet dimensions M for run sizes NPS 14 and larger is recommended but not required.

ASME B16.9

| 公称口径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel | | | | 中心至端面 Center - to - end | | | | 长度 End - to - end | |
|---------------------------------------|--------------------------------|-----|-----------------|-------|-------------------------|-----|-------|-----|-------------------|-----|
| | OD ₁ | | OD ₂ | | C | | M(1) | | H | |
| | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM |
| 30x26 | 30 | 762 | 26 | 660.4 | 22 | 559 | 21.5 | 546 | 24 | 610 |
| 30x24 | 30 | 762 | 24 | 609.6 | 22 | 559 | 21 | 533 | 24 | 610 |
| 30x22 | 30 | 762 | 22 | 558.8 | 22 | 559 | 20.5 | 521 | 24 | 610 |
| 30x20 | 30 | 762 | 20 | 508 | 22 | 559 | 20 | 508 | 24 | 610 |
| 30x18 | 30 | 762 | 18 | 457.2 | 22 | 559 | 19.5 | 495 | 24 | 610 |
| 30x16 | 30 | 762 | 16 | 406.4 | 22 | 559 | 19 | 483 | 24 | 610 |
| 30x14 | 30 | 762 | 14 | 355.6 | 22 | 559 | 19 | 483 | 24 | 610 |
| 30x12 | 30 | 762 | 12.75 | 323.8 | 22 | 559 | 18.62 | 473 | 24 | 610 |
| 30x10 | 30 | 762 | 10.75 | 273 | 22 | 559 | 18.12 | 460 | 24 | 610 |
| 32x30 | 32 | 813 | 30 | 762 | 23.5 | 597 | 23 | 584 | 24 | 610 |
| 32x28 | 32 | 813 | 28 | 711.2 | 23.5 | 597 | 22.5 | 572 | 24 | 610 |
| 32x26 | 32 | 813 | 26 | 660.4 | 23.5 | 597 | 22.5 | 572 | 24 | 610 |
| 32x24 | 32 | 813 | 24 | 609.6 | 23.5 | 597 | 22 | 559 | 24 | 610 |
| 32x22 | 32 | 813 | 22 | 558.8 | 23.5 | 597 | 21.5 | 546 | 24 | 610 |
| 32x20 | 32 | 813 | 20 | 508 | 23.5 | 597 | 21 | 533 | 24 | 610 |
| 32x18 | 32 | 813 | 18 | 457.2 | 23.5 | 597 | 20.5 | 521 | 24 | 610 |
| 32x16 | 32 | 813 | 16 | 406.4 | 23.5 | 597 | 20 | 508 | 24 | 610 |
| 32x14 | 32 | 813 | 14 | 355.6 | 23.5 | 597 | 20 | 508 | 24 | 610 |
| 34x32 | 34 | 864 | 32 | 812.8 | 25 | 635 | 24.5 | 622 | 24 | 610 |
| 34x30 | 34 | 864 | 30 | 762 | 25 | 635 | 24 | 610 | 24 | 610 |
| 34x28 | 34 | 864 | 28 | 711.2 | 25 | 635 | 23.5 | 597 | 24 | 610 |
| 34x26 | 34 | 864 | 26 | 660.4 | 25 | 635 | 23.5 | 597 | 24 | 610 |
| 34x24 | 34 | 864 | 24 | 609.6 | 25 | 635 | 23 | 584 | 24 | 610 |
| 34x22 | 34 | 864 | 22 | 558.8 | 25 | 635 | 22.5 | 572 | 24 | 610 |
| 34x20 | 34 | 864 | 20 | 508 | 25 | 635 | 22 | 559 | 24 | 610 |
| 34x18 | 34 | 864 | 18 | 457.2 | 25 | 635 | 21.5 | 546 | 24 | 610 |
| 34x16 | 34 | 864 | 16 | 406.4 | 25 | 635 | 21 | 533 | 24 | 610 |
| 36x34 | 36 | 914 | 34 | 863.6 | 26.5 | 673 | 26 | 660 | 24 | 610 |
| 36x32 | 36 | 914 | 32 | 812.8 | 26.5 | 673 | 25.5 | 648 | 24 | 610 |
| 36x30 | 36 | 914 | 30 | 762 | 26.5 | 673 | 25 | 635 | 24 | 610 |
| 36x28 | 36 | 914 | 28 | 711.2 | 26.5 | 673 | 24.5 | 622 | 24 | 610 |
| 36x26 | 36 | 914 | 26 | 660.4 | 26.5 | 673 | 24.5 | 622 | 24 | 610 |
| 36x24 | 36 | 914 | 24 | 609.6 | 26.5 | 673 | 24 | 610 | 24 | 610 |
| 36x22 | 36 | 914 | 22 | 558.8 | 26.5 | 673 | 23.5 | 597 | 24 | 610 |
| 36x20 | 36 | 914 | 20 | 508 | 26.5 | 673 | 23 | 584 | 24 | 610 |
| 36x18 | 36 | 914 | 18 | 457.2 | 26.5 | 673 | 22.5 | 572 | 24 | 610 |
| 36x16 | 36 | 914 | 16 | 406.4 | 26.5 | 673 | 22 | 559 | 24 | 610 |
| 38x36 | 38 | 965 | 36 | 914.4 | 28 | 711 | 28 | 711 | 24 | 610 |
| 38x34 | 38 | 965 | 34 | 863.6 | 28 | 711 | 27.5 | 698 | 24 | 610 |

NOTE:(1)Outlet dimensions M for run sizes NPS 14 and larger is recommended but not required.

REDUCING TEES AND CONCENTRIC & ECCENTRIC REDUCERS

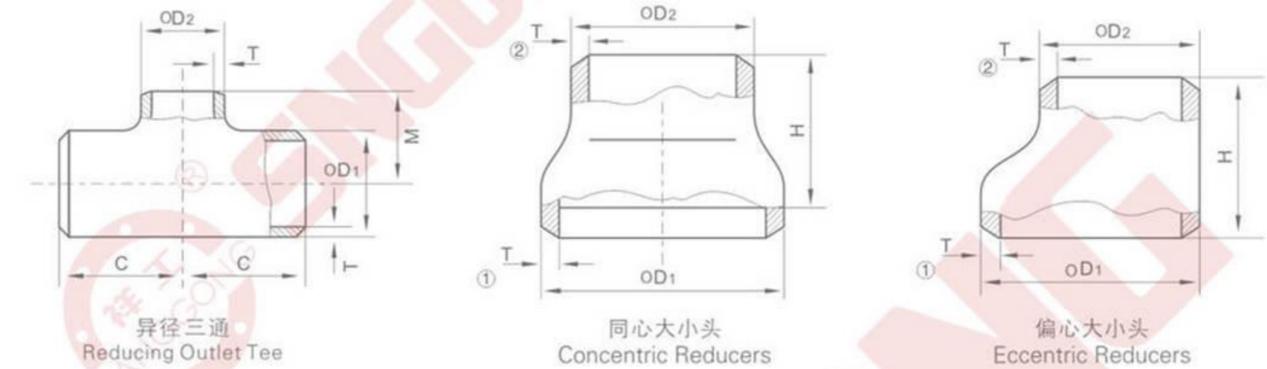
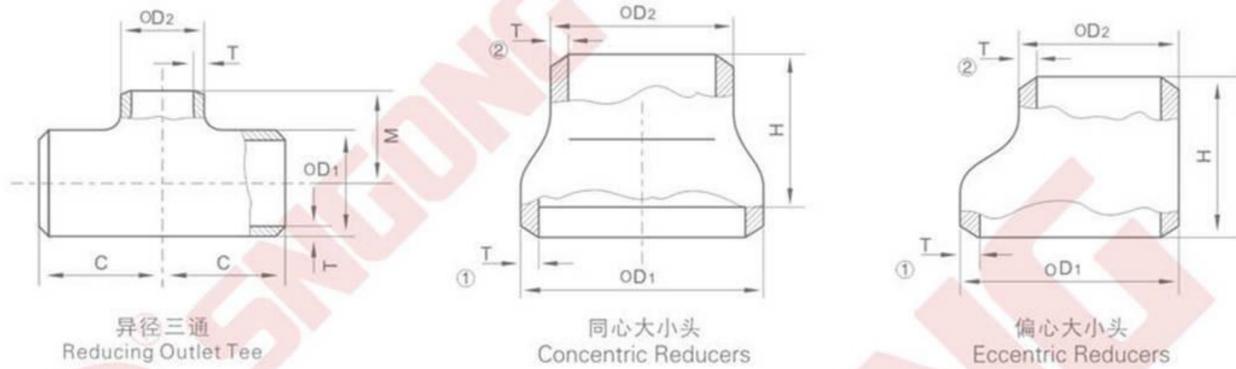
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ASME B16.9

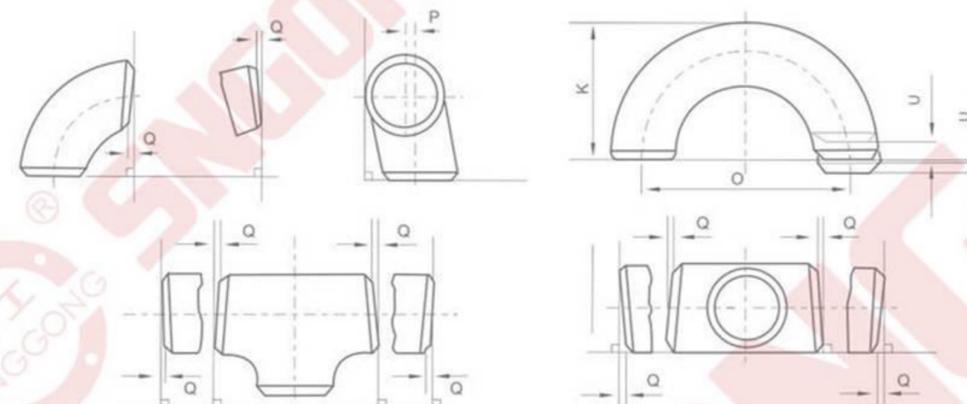
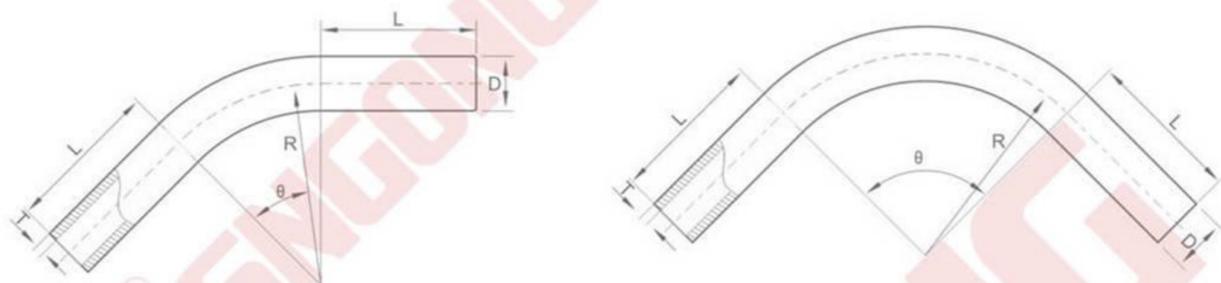
| 公称通径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel | | | | 中心至端面 Center - to - end | | | | 长度 End - to - end | |
|---------------------------------------|--------------------------------|------|-----|--------|-------------------------|-----|------|-----|-------------------|-----|
| | OD1 | | OD2 | | C | | M(1) | | H | |
| | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM |
| 38x32 | 38 | 965 | 32 | 812.8 | 28 | 711 | 27 | 686 | 24 | 610 |
| 38x30 | 38 | 965 | 30 | 762 | 28 | 711 | 26.5 | 673 | 24 | 610 |
| 38x28 | 38 | 965 | 28 | 711.2 | 28 | 711 | 25.5 | 648 | 24 | 610 |
| 38x26 | 38 | 965 | 26 | 660.4 | 28 | 711 | 25.5 | 648 | 24 | 610 |
| 38x24 | 38 | 965 | 24 | 609.6 | 28 | 711 | 25 | 635 | 24 | 610 |
| 38x22 | 38 | 965 | 22 | 558.8 | 28 | 711 | 24.5 | 622 | 24 | 610 |
| 38x20 | 38 | 965 | 20 | 508 | 28 | 711 | 24 | 610 | 24 | 610 |
| 38x18 | 38 | 965 | 18 | 457.2 | 28 | 711 | 23.5 | 597 | 24 | 610 |
| 40x38 | 40 | 1016 | 38 | 965.2 | 29.5 | 749 | 29.5 | 749 | 24 | 610 |
| 40x36 | 40 | 1016 | 36 | 914.4 | 29.5 | 749 | 29 | 737 | 24 | 610 |
| 40x34 | 40 | 1016 | 34 | 863.6 | 29.5 | 749 | 28.5 | 724 | 24 | 610 |
| 40x32 | 40 | 1016 | 32 | 812.8 | 29.5 | 749 | 28 | 711 | 24 | 610 |
| 40x30 | 40 | 1016 | 30 | 762 | 29.5 | 749 | 27.5 | 698 | 24 | 610 |
| 40x28 | 40 | 1016 | 28 | 711.2 | 29.5 | 749 | 27 | 673 | 24 | 610 |
| 40x26 | 40 | 1016 | 26 | 660.4 | 29.5 | 749 | 26.5 | 673 | 24 | 610 |
| 40x24 | 40 | 1016 | 24 | 609.6 | 29.5 | 749 | 26.5 | 660 | 24 | 610 |
| 40x22 | 40 | 1016 | 22 | 558.8 | 29.5 | 749 | 26 | 648 | 24 | 610 |
| 40x20 | 40 | 1016 | 20 | 508 | 29.5 | 749 | 25 | 635 | 24 | 610 |
| 40x18 | 40 | 1016 | 18 | 457.2 | 29.5 | 749 | 24.5 | 622 | 24 | 610 |
| 42x40 | 42 | 1067 | 40 | 1016 | 30 | 762 | 28 | 711 | 24 | 610 |
| 42x38 | 42 | 1067 | 38 | 965.2 | 30 | 762 | 28 | 711 | 24 | 610 |
| 42x36 | 42 | 1067 | 36 | 914.4 | 30 | 762 | 28 | 711 | 24 | 610 |
| 42x34 | 42 | 1067 | 34 | 863.6 | 30 | 762 | 28 | 711 | 24 | 610 |
| 42x32 | 42 | 1067 | 32 | 812.8 | 30 | 762 | 28 | 711 | 24 | 610 |
| 42x30 | 42 | 1067 | 30 | 762 | 30 | 762 | 28 | 711 | 24 | 610 |
| 42x28 | 42 | 1067 | 28 | 711.2 | 30 | 762 | 27.5 | 698 | 24 | 610 |
| 42x26 | 42 | 1067 | 26 | 660.4 | 30 | 762 | 27.5 | 698 | 24 | 610 |
| 42x24 | 42 | 1067 | 24 | 609.6 | 30 | 762 | 26 | 660 | 24 | 610 |
| 42x22 | 42 | 1067 | 22 | 558.8 | 30 | 762 | 26 | 660 | 24 | 610 |
| 42x20 | 42 | 1067 | 20 | 508 | 30 | 762 | 26 | 660 | 24 | 610 |
| 42x18 | 42 | 1067 | 18 | 457.2 | 30 | 762 | 25.5 | 648 | 24 | 610 |
| 42x16 | 42 | 1067 | 16 | 406.4 | 30 | 762 | 25 | 635 | 24 | 610 |
| 44x42 | 44 | 1118 | 42 | 1066.8 | 32 | 813 | 30 | 762 | 24 | 610 |
| 44x40 | 44 | 1118 | 40 | 1016 | 32 | 813 | 29.5 | 749 | 24 | 610 |
| 44x38 | 44 | 1118 | 38 | 965.2 | 32 | 813 | 29 | 737 | 24 | 610 |
| 44x36 | 44 | 1118 | 36 | 914.4 | 32 | 813 | 28.5 | 724 | 24 | 610 |
| 44x34 | 44 | 1118 | 34 | 863.6 | 32 | 813 | 28.5 | 724 | 24 | 610 |
| 44x32 | 44 | 1118 | 32 | 812.8 | 32 | 813 | 28 | 711 | 24 | 610 |
| 44x30 | 44 | 1118 | 30 | 762 | 32 | 813 | 28 | 711 | 24 | 610 |

NOTE:(1)Outlet dimensions M for run sizes NPS 14 and larger is recommended but not required.

ASME B16.9

| 公称通径 Nominal Pipe Size (NPS) | 端部外径 Outside Diameter At Bevel | | | | 中心至端面 Center - to - end | | | | 长度 End - to - end | |
|---------------------------------------|--------------------------------|------|-----|--------|-------------------------|-----|------|-----|-------------------|-----|
| | OD1 | | OD2 | | C | | M(1) | | H | |
| | IN | MM | IN | MM | IN | MM | IN | MM | IN | MM |
| 44x28 | 44 | 1118 | 28 | 711.2 | 32 | 813 | 27.5 | 698 | 24 | 610 |
| 44x26 | 44 | 1118 | 26 | 660.4 | 32 | 813 | 27.5 | 698 | 24 | 610 |
| 44x24 | 44 | 1118 | 24 | 609.6 | 32 | 813 | 27.5 | 698 | 24 | 610 |
| 44x22 | 44 | 1118 | 22 | 558.8 | 32 | 813 | 27 | 698 | 24 | 610 |
| 44x20 | 44 | 1118 | 20 | 508 | 32 | 813 | 27 | 698 | 24 | 610 |
| 46x44 | 46 | 1168 | 44 | 1117.6 | 33.5 | 851 | 34.5 | 800 | 28 | 711 |
| 46x42 | 46 | 1168 | 42 | 1066.8 | 33.5 | 851 | 31 | 787 | 28 | 711 |
| 46x40 | 46 | 1168 | 40 | 1016 | 33.5 | 851 | 30.5 | 775 | 28 | 711 |
| 46x38 | 46 | 1168 | 38 | 965.2 | 33.5 | 851 | 30 | 762 | 28 | 711 |
| 46x36 | 46 | 1168 | 36 | 914.4 | 33.5 | 851 | 30 | 762 | 28 | 711 |
| 46x34 | 46 | 1168 | 34 | 863.6 | 33.5 | 851 | 29.5 | 749 | 28 | 711 |
| 46x32 | 46 | 1168 | 32 | 812.8 | 33.5 | 851 | 29.5 | 749 | 28 | 711 |
| 46x30 | 46 | 1168 | 30 | 762 | 33.5 | 851 | 29 | 737 | 28 | 711 |
| 46x28 | 46 | 1168 | 28 | 711.2 | 33.5 | 851 | 29 | 737 | 28 | 711 |
| 46x26 | 46 | 1168 | 26 | 660.4 | 33.5 | 851 | 29 | 737 | 28 | 711 |
| 46x24 | 46 | 1168 | 24 | 609.6 | 33.5 | 851 | 28.5 | 724 | 28 | 711 |
| 46x22 | 46 | 1168 | 22 | 558.8 | 33.5 | 851 | 28.5 | 724 | 28 | 711 |
| 48x46 | 48 | 1219 | 46 | 1168.4 | 35 | 889 | 33 | 838 | 28 | 711 |
| 48x44 | 48 | 1219 | 44 | 1117.6 | 35 | 889 | 33 | 838 | 28 | 711 |
| 48x42 | 48 | 1219 | 42 | 1066.8 | 35 | 889 | 32 | 813 | 28 | 711 |
| 48x40 | 48 | 1219 | 40 | 1016 | 35 | 889 | 32 | 813 | 28 | 711 |
| 48x38 | 48 | 1219 | 38 | 965.2 | 35 | 889 | 32 | 813 | 28 | 711 |
| 48x36 | 48 | 1219 | 36 | 914.4 | 35 | 889 | 31 | 787 | 28 | 711 |
| 48x34 | 48 | 1219 | 34 | 863.6 | 35 | 889 | 31 | 787 | 28 | 711 |
| 48x32 | 48 | 1219 | 32 | 812.8 | 35 | 889 | 31 | 787 | 28 | 711 |
| 48x30 | 48 | 1219 | 30 | 762 | 35 | 889 | 30 | 762 | 28 | 711 |
| 48x28 | 48 | 1219 | 28 | 711.2 | 35 | 889 | 30 | 762 | 28 | 711 |
| 48x26 | 48 | 1219 | 26 | 660.4 | 35 | 889 | 30 | 762 | 28 | 711 |
| 48x24 | 48 | 1219 | 24 | 609.6 | 35 | 889 | 29 | 737 | 28 | 711 |
| 48x22 | 48 | 1219 | 22 | 558.8 | 35 | 889 | 29 | 737 | 28 | 711 |

NOTE:(1)Outlet dimensions M for run sizes NPS 14 and larger is recommended but not required.



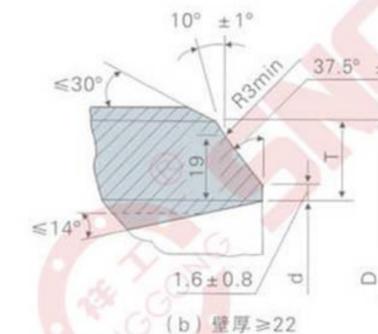
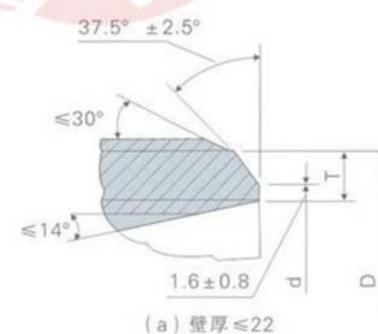
| 项目 Item | 内容 Description |
|--------------------------------|--|
| 标准 Standard | 按DL/T515《电站弯管》、SY5257《钢制弯管》执行，或按顾客提出的标准或技术要求执行 according to DL/T515《power station Bend》、SY5257《steel Bend》， or customer's technical drawings |
| 材料 Material | 碳钢、合金钢、不锈钢 carbon steel, alloy steel, stainless steel |
| 弯曲半径 R Bend Radius R | $R \leq 6000\text{mm} \geq$, 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 |
| 弯曲半径 theta Bend Angle theta | 常用为15°、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°、80° or at customer's option |
| 直段长度 L Length of Straight L | 弯管两端直段长度一般在300mm-1500mm, 由顾客确定长度大小 normally between 300mm and 1500mm in length of straight, It 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 | 按对焊管端部坡口结构型执行 according to welding bevel of butt welding fitting |
| 重量 Weight | 重量/kg = $\frac{0.0433(D-T)TR\theta}{100000}$ + L(双直管段重量) Weight/kg = $\frac{0.0433(D-T)TR\theta}{100000}$ + L(Weight of Double Sides Straight Length) |

公差表 Tolerance table

| 所有管件 Parts of all pipes | | | | 90°、45°、三通、四通结构尺寸 Elbows, Tees, Celer-to-End Dimension | 异径接头 过渡管高度 Reducer Lap joint Stub End Overall Length | 管帽 Caps 高度 Overall Length | 180° 弯头 elbow piece | | | |
|-------------------------|---------------|-----------------------------------|----------------------------------|---|--|---------------------------|---------------------|----|---|---|
| 公称通径 Nominal diaeter | | 端部外径 Outside Diameter at Bevel | 端部内径 Inside Diameter at Bevel | 壁厚 Thickness | ABCM | HF | E E1 | O | K | U |
| DN 15-65 | NPS 1/2-2 1/2 | +1.6-0.8 | 0.8 | 壁厚 T 不小于 工程壁厚 的87.5% No less than 87.5% of nominal wall thickness | 2 | 2 | 3 | 6 | 6 | 1 |
| 80-90 | 3-3 1/2 | +1.6 | 1.6 | | 2 | 2 | 3 | 6 | 6 | 1 |
| 100 | 4 | +1.6 | 1.6 | | 2 | 2 | 3 | 6 | 6 | 1 |
| 125-200 | 5-8 | +2.4-1.6 | 1.6 | | 2 | 2 | 6 | 6 | 6 | 1 |
| 250-450 | 10-18 | +4.0-3.2 | 3.2 | | 2 | 2 | 6 | 10 | 6 | 2 |
| 500-600 | 20-24 | +6.4-4.8 | 4.8 | | 2 | 2 | 6 | 10 | 6 | 2 |
| 650-750 | 26-30 | +6.4-4.8 | 4.8 | | 3 | 5 | 10 | - | - | - |
| 800-1200 | 37-48 | +6.4-4.8 | 4.8 | | 5 | 5 | 10 | - | - | - |
| 13000-15000 | 52-60 | +9.5-6.4 | 6.4 | | 9.5 | - | - | - | - | - |
| 16000-17000 | 64-68 | +12-9.5 | 9.5 | | 12 | - | - | - | - | - |
| 18000-2000 | 72-80 | +16-12 | 12 | 16 | - | - | - | - | - | |

| 公称通径 Nominal Pipe Size | DN | 15-100 | 125-200 | 250-300 | 350-400 | 450-600 | 650-750 | 800-1050 | 1100-1200 | 1300-1500 |
|-------------------------------|-------------------|--------|---------|---------|---------|---------|---------|----------|-----------|-----------|
| | | NPS | 1/2-4 | 5-8 | 10-12 | 14-16 | 18-24 | 26-30 | 32-42 | 44-48 |
| 倾斜度偏差 Angularity tolerance | 角度偏移 Off Angle | Q | 1 | 2 | 3 | 3 | 4 | 5 | 5 | 6.4 |
| | 平面偏移 Off Plan | P | 2 | 4 | 5 | 6 | 10 | 10 | 13 | 19 |

规定的对焊管端部坡口的结构型式 ASME/ANSI B16.9 B16.28
End Preparation of Butt-welding Fittings to ASME/ANSI B16.9 B16.28



OUTSIDE DIAMETER AND WALL THICKNESS TABLE

外径和壁厚表



流体管道方案解决商
FLUID PIPELINE SOLUTION PROVIDER

OUTSIDE DIAMETER AND WALL THICKNESS TABLE

外径和壁厚表

| 公称通径 Nominal Pipe Size | 外径 Outside Diameter | | 公称壁厚 T Nominal Wall Thickness | | | | | | | | | | | | | | |
|---------------------------|------------------------|------|----------------------------------|---------|---------|-----|--------|--------|------|--------|--------|------|--------|---------|---------|---------|---------|
| | | | SCH 5s | SCH 10s | SCH 20s | LG | SCH 20 | SCH 30 | STD | SCH 40 | SCH 60 | XS | SCH 80 | SCH 100 | SCH 120 | SCH 140 | SCH 160 |
| DN | A | B | | | | | | | | | | | | | | | |
| 15 | 21.3 | 18 | 1.6 | 2.1 | 2.6 | - | - | - | - | 2.9 | - | - | 3.6 | - | - | - | 4.5 |
| 20 | 26.9 | 25 | 1.6 | 2.1 | 2.6 | - | - | - | - | 2.9 | - | - | 4.0 | - | - | - | 5.6 |
| 25 | 33.7 | 32 | 1.6 | 2.8 | 3.2 | - | - | - | - | 3.2 | - | - | 4.5 | - | - | - | 6.3 |
| 32 | 42.4 | 38 | 1.6 | 2.8 | 3.2 | - | - | - | - | 3.6 | - | - | 5.0 | - | - | - | 6.3 |
| 40 | 48.3 | 45 | 1.6 | 2.8 | 3.2 | - | - | - | - | 3.6 | - | - | 5.0 | - | - | - | 7.1 |
| 50 | 60.3 | 57 | 1.6 | 2.8 | 3.6 | - | 3.2 | - | - | 4.0 | - | - | 5.6 | - | - | - | 8.8 |
| 65 | 76.1(73) | 76 | 2.0 | 3.0 | 3.6 | - | 4.5 | - | - | 5.0 | - | - | 7.1 | - | - | - | 10.0 |
| 80 | 88.9 | 89 | 2.0 | 3.0 | 4.0 | - | 4.5 | - | - | 5.6 | - | - | 8.0 | - | - | - | 11.0 |
| 90 | 101.6 | - | 2.0 | 3.0 | 4.0 | - | 4.5 | - | - | 5.6 | - | - | 8.0 | - | - | - | 12.5 |
| 100 | 114.3 | 108 | 2.0 | 3.0 | 4.0 | - | 5.0 | - | - | 5.9 | - | - | 8.8 | - | 11.0 | - | 14.2 |
| 125 | 139.7 | 133 | 2.9 | 3.4 | 5.0 | - | 5.0 | - | - | 6.3 | - | - | 10.0 | - | 12.5 | - | 16.0 |
| 150 | 168.3 | 159 | 2.9 | 3.4 | 5.0 | - | 5.6 | - | - | 7.1 | - | - | 11.0 | - | 14.2 | - | 17.5 |
| 200 | 219.1 | 219 | 2.9 | 4.0 | 6.3 | - | 6.3 | 7.1 | - | 8.0 | 10.0 | - | 12.5 | 16.0 | 17.5 | 20.0 | 22.2 |
| 250 | 273.0 | 273 | 3.6 | 4.0 | 6.3 | - | 6.3 | 8.0 | - | 8.8 | 12.5 | - | 16.0 | 17.5 | 22.2 | 25.0 | 28.0 |
| 300 | 323.9 | 325 | 4.0 | 4.5 | 6.3 | - | 6.3 | 8.8 | - | 10.0 | 14.2 | - | 17.5 | 22.2 | 25.0 | 28.0 | 32.0 |
| 350 | 355.6 | 377 | 4.0 | 5.0 | - | 8.0 | 8.0 | 10.0 | 10.0 | 11.0 | 16.0 | 13.0 | 20.0 | 25.8 | 28.0 | 32.0 | 36.0 |
| 400 | 406.4 | 426 | 4.0 | 5.0 | - | 8.0 | 8.0 | 10.0 | 10.0 | 12.5 | 17.5 | 13.0 | 22.2 | 28.0 | 30.0 | 36.0 | 40.0 |
| 450 | 457.2 | 478 | 4.0 | 5.0 | - | 8.0 | 8.0 | 11.0 | 10.0 | 14.2 | 20.0 | 13.0 | 25.0 | 30.0 | 36.0 | 40.0 | 45.0 |
| 500 | 508.0 | 529 | 5.0 | 5.6 | - | 8.0 | 10.0 | 12.5 | 10.0 | 16.0 | 20.0 | 13.0 | 28.0 | 32.0 | 40.0 | 45.0 | 50.0 |
| 550 | 559 | - | 5.0 | 5.6 | - | 8.0 | - | - | 10.0 | - | - | 13.0 | 30.0 | - | - | - | - |
| 600 | 610 | 630 | 5.6 | 6.3 | - | 8.0 | - | - | 10.0 | 17.5 | - | 13.0 | 32.0 | - | - | - | - |
| 650 | 660 | - | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 700 | 711 | 720 | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 750 | 762 | - | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 800 | 813 | 820 | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 850 | 864 | - | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 900 | 914 | 920 | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 950 | 965 | - | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 1000 | 1016 | 1020 | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 1050 | 1067 | - | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 1100 | 1118 | 1120 | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 1150 | 1168 | - | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |
| 1200 | 1220 | 1220 | - | - | - | 8.0 | - | - | 10.0 | - | - | 13.0 | - | - | - | - | - |

SCH5s、10s、20s用于不锈钢管件
SCH5s、10s、20s applies for stainless steel fittings.

| 公称通径 Nominal Pipe Size | 外径 Outside Diameter | 公称壁厚 T Nominal Wall Thickness | | | | | | |
|---------------------------|------------------------|----------------------------------|-----|-----|-----|-----|------|------|
| | | 公称压力 MPa Nominal Pressure | | | | | | |
| DN | D | 10 | 1.6 | 2.5 | 4.0 | 6.4 | 10.0 | 16.0 |
| 15 | 18 | 3 | 3 | 3 | 3 | 3 | - | - |
| 20 | 25 | 3 | 3 | 3 | 3 | 3 | - | - |
| 25 | 32 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 4.5 | 6.5 |
| 32 | 38 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 4.5 | 7 |
| 40 | 45 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 4.5 | 7 |
| 50 | 57 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 5 | 7 |
| 65 | 76 | 4 | 4 | 4 | 4 | 4.5 | 6 | 8 |
| 80 | 89 | 4 | 4 | 4 | 4 | 5 | 7 | 9 |
| 100 | 108 | 4 | 4 | 4 | 4 | 6 | 8 | 10 |
| 125 | 133 | 4 | 4 | 4 | 4 | 7 | 10 | 11 |
| 150 | 159 | 4.5 | 4.5 | 4.5 | 4.5 | 8 | 12 | 14 |
| 200 | 219 | 6 | 6 | 6 | 7 | 10 | 14 | 18 |
| 250 | 273 | 8 | 8 | 8 | 8 | 11 | 16 | 24 |
| 300 | 325 | 8 | 8 | 8 | 9 | 12 | 18 | 28 |
| 350 | 377 | 9 | 9 | 9 | 9 | 15 | 22 | 30 |
| 400 | 428 | 9 | 9 | 9 | 11 | 16 | 24 | 34 |
| 450 | 478 | 9 | 9 | 10 | 12 | 18 | 26 | 38 |
| 500 | 529 | 9 | 9 | 11 | 14 | 20 | 28 | 40 |
| 600 | 630 | 9 | 9 | 12 | 15 | 22 | - | - |

