



**营口经济技术开发区鑫丰管件有限公司**

Yingkou Economic and Technology Development Zone XinFeng Pipe Fittings Co.,LTD.

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**鑫丰管件**  
XINFENG PIPE FITTINGS



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# Company Profile

XINFENG PIPE FITTINGS

## 公司简介

鑫丰管件有限公司座落在美丽的滨海之都中国辽宁营口经济技术开发区，这里交通便利，地理环境优越，距鲅鱼圈港五公里，西邻哈大公路、哈大高速铁路等海陆交通要道。便利的交通、丰富的地域资源和优越的区位条件使我们占尽“天时、地利、人和”，经过多年的发展壮大如今公司已成为全国最大的球墨铸铁管件生产基地。



公司拥有固定资产一亿元人民币，员工500余人，占地面积65000平方米。采用消失模铸造工艺，按国际标准ISO2531、BSEN545美国标准ANSI/AWWA C153、C110和GB13295组织生产和检验，工艺和产品都以达到国际先进水平。年生产规格为DN80-DN2400，接口形式为T型、K型、NⅠ、NⅡ、MJ型、法兰和铅口的球墨铸铁管件15000吨。产品远销中东、美洲、欧洲、非洲、东南亚、及世界各地。

我公司经中国进出口商品质量认证中心验证通过《ISO9001:2000》国际质量体系认证。科学的生产工艺、严格的质量管理、先进的服务理念、合理的销售价格，公司在国内外用户中赢得了良好的声誉，建立了密切和愉快的合作关系；如：美国SIGMA公司、英国Greenray公司、印度ECL、沙特SADIP公司、及中国五矿集团、中国化工集团等国际知名公司合作。

我公司本着“以客户为中心，以市场为导向，以效益为目标”的工作方针，在“集合众智，求精务实”的办厂方针指导下，发展迅速，各种专业生产设备齐全，组织机构全面，管理体系科学。

欢迎国内外顾客到我公司考察、洽谈、我们将竭诚与您合作！

## XINFENG PROFILE:

XINFENG Ductile Iron Pipe Fittings Co., Ltd is a leading largest and professional manufacturer for ductile iron fittings for water pipelines in China, imported production technology of vacuum lost foam casting from Japan with high-tech production lines and modern inspection equipments. Products for overseas markets covered all over the world.

XINFENG is located in Economic and Technological Development Zone of Yingkou of Riviera city. 5 kilometer far away from international Bayuquan seaport and 2 hours by express way to Dalian seaport. Total investment is USD10,000,000 with 500 employee and covers 65,000 square meters, Fittings size from DN80 to DN2400 with full jointing types such as Standard Joint, Tyton (push on ) Joint, Mechanical Joint, Restrained Joint, Express Joint, Flange Joint ect AWWA C110 & C153 standard, ISO2531 standard, EN545 & EN598 standard is strictly carried out in production, the output of XINFENG is about 15,000 tons at present. The top quality products widely were installed in water supplying of key projects in Middle East, America, Africa and Southeast Asia.

Local foundry iron and coke with low sulphur and phosphorus as materials, every process is with strict inspecting control, the products are highly appraised by our customers. XINFENG has been granted the certificate of ISO9002 by China Import & Export Quality Certification Center, XINFENG has a best reputation in overseas market and established friendly relationship with world famous companies of Sincohem Group, China Minmetal as well as Sigma, SADIP, Tyco, ECL ect.

Depending on XINFENG philosophy of "Quality is life, try to be first" Mr Lee Wei of owner and all staff honestly promise and are committed to provide the products with highest quality and best service that satisfy our customers' requirements, warmly welcome all friends to visit our company and discuss businesses.



## 工艺流程

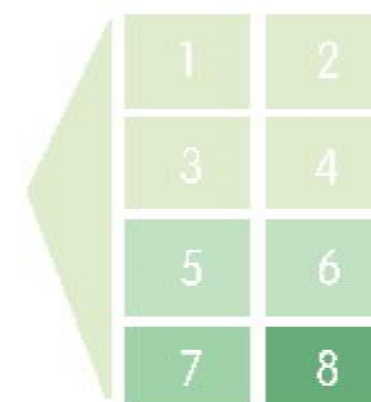
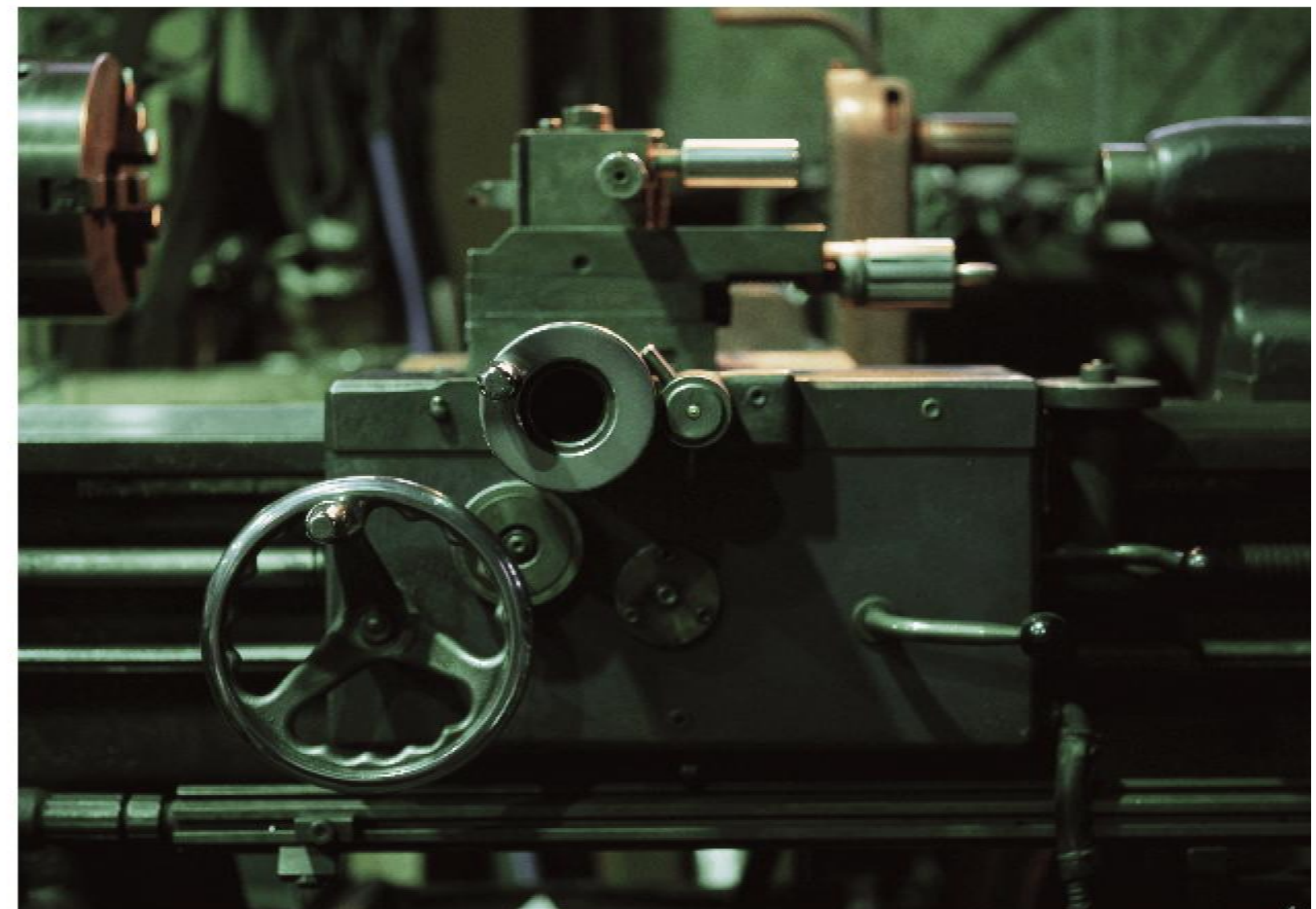
|  |      |                          |
|--|------|--------------------------|
|  | 珠粒预发 | GPS Pre-expander         |
|  | 模片成型 | Molding expander         |
|  | 胶粘组合 | Glue binding             |
|  | 涂覆涂料 | Coating refractory shell |
|  | 造型   | Vibrating Molding        |
|  | 铁水熔炼 | Smelting of cast iron    |
|  | 球化处理 | Nodularizing treatment   |
|  | 浇注   | Pouring                  |
|  | 翻箱   | Rollover                 |
|  | 抛丸清理 | Wheel blasting           |

|    |    |    |
|----|----|----|
| 1  | 2  | 3  |
| 4  | 5  | 6  |
| 7  | 8  | 9  |
| 10 | 11 | 12 |
| 13 | 14 | 15 |



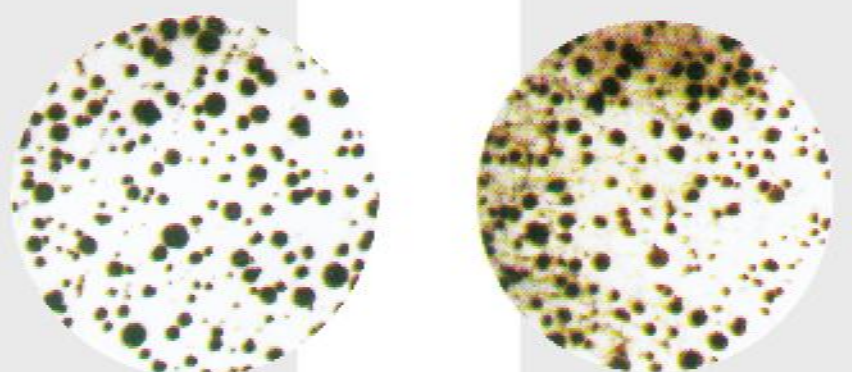
# Machining

鑫丰管件 



- |   |   |      |                          |
|---|---|------|--------------------------|
| 1 | 2 | 机械加工 | Machining                |
| 3 | 4 | 刷 锌  | Zinc rich paint blasting |
| 5 | 6 | 涂 衬  | Cement lining            |
| 7 | 8 | 刷 漆  | Paint Coating            |
|   |   | 入库包装 | Storage after packing    |
|   |   | 发 运  | Shipment                 |

机  
械  
加  
工



- 1 炉前快速分析  
Prompt analysis in front of furnace
- 2 平台划线  
Platform lineation
- 3 尺寸检查  
Dimension check
- 4 水压试验  
Hydrostatic test
- 5 超声波测量壁厚  
Measurement of wall thickness by ultrasonic wave
- 6 浮层厚度检测  
Cementlining thickness test
- 7 涂层厚度检测  
Measurement of coating thickness
- 8 硬度试验  
Hardness test
- 9 抗拉强度试验  
Tensile strength test
- 10 化学分析  
Chemical analysis
- 11 金相组织  
Metallographic structure





# 不锈钢堵漏管卡

本产品是由不锈钢外套与内衬特殊结构的橡胶密封筒复合而成。用于管道的带压快速堵漏。堵漏时将管卡包裹在漏点处,由螺栓卡紧即可。是取代传统的管箍和焊接方法,堵漏的高新技术新生替代品。可降低工程费用,节约资源,保护环境。是该领域一项新的技术与工艺。

本产品出口到欧洲、非洲、中东等国。并且得到了用户的认可。

## Stainless Steel Repair Clamps

The product is composed of stainless steel shell and rubber gasket with special structure. It is used to repair quickly the leak point of pipe under working pressure. The repair method is just to wrap the leak point and then tighten the nuts. So it is a product with high and new technology which replaces the traditional method of pipe hoop and welding. With the new technique in this field, the expenses are lowered, the resources are saved and environments are protected.

The products are exported to the countries in the Middle East, the Europe, the Africa and other regions, and they receive much recognition of the clients.



### 一、特点 The Features

- **柔性连接** 可随管道的外形紧密的附于管道的外表面,克服了以往堵漏技术中堵漏卡具与漏点部位的管径不易吻合的缺陷,使可靠性、稳定性增强
- Flexible Contact: Despite of the differences in shape, the clamp attaches to the exterior surface of pipe tightly overcoming the difficulty of bonding, making it more stable and reliable.
- **安全可靠** 橡胶密封筒的密封面,由若干正六边形组成的蜂窝型网状结构,可为若干个密封单元,逐级封堵。在管道发生锈蚀和附有油污、沙土等不利情况下,密封面能有效嵌入到管道表面。确保堵漏在允许的压力范围内安全可靠。
- Safe and Reliable: The surface in rubber gasket is a net structure composed of regular hexagons, so they are multi-sealing units. Even though the pipe is corroded or covered by sludge, the gasket surface can be embedded into the pipe surface, so the repair is reliable in the allowable pressure.
- **坚固耐腐** 不锈钢外套,坚固耐腐,特殊结构的橡胶密封筒,可适应管道内不同流体的要求。
- Firm and anticorrosive: The stainless steel shell is firm and anticorrosive and the rubber gasket with special structure can be applied to different working fluids.
- **安装快捷** 安装快,方法简便,不需专业人员,免动火,工具为普通扳手,在狭窄的空间也可安装。
- Instant and Convenient: Fast and easy installation. The professional, fire and large space are not necessary, and the tool is only a spanner.

### 二 用途 Uses

广泛应用于给、排水、燃气输送、石油基油类输送及石油、化工、冶金、矿山、电力、水力、船舶等行业的铸铁、钢、塑料、水泥等管道的带压快速堵漏。地上、地下工程均可使用。

The product can be used widely in the instant repair of pipes in these fields: water supply and sewerage, gas transfer, oil transfer, chemical industry, metallurgic industry, mineral industry, water power, electric power, marine. The product can be applied over and under ground to the pipe of different materials such as cast iron, steel, plastic, cement and so on.

### 三 橡胶密封筒的性能 Performance of rubber gasket

| 材料 Material | 适用范围 Applicable Range                    | 适用温度 Applicable Temperature |
|-------------|------------------------------------------|-----------------------------|
| EPDM        | 水.空气.粉尘.普通水蒸汽                            | -20℃ - +140℃                |
| NBR         | 天然气.油.汽油.其他碳氢化合物                         | -20℃ - +100℃                |
| EPDM        | water, air, dust, water vapor            | -20℃ - +140℃                |
| NBR         | natural gas,oil,petrol,other hydrocarbon | -20℃ - +100℃                |

# Section 1

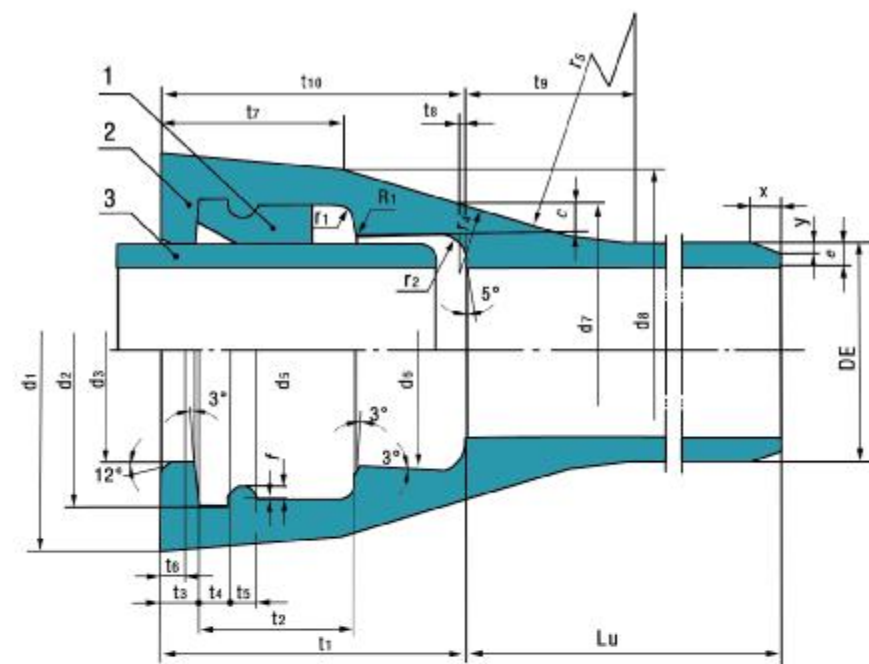
Standards: ISO2531

GB13295-2008

ISO7005-2

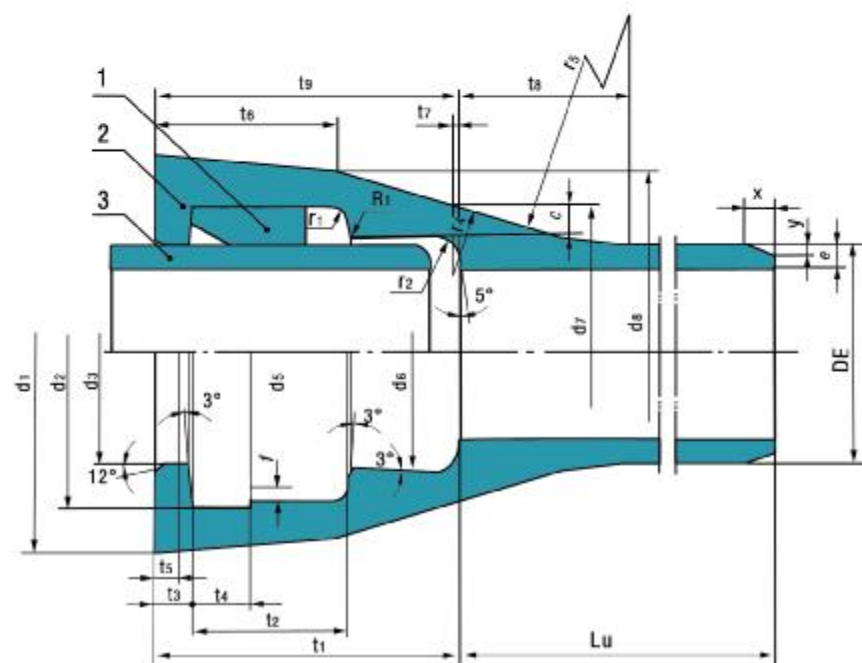
EN545

EN1092-2



| Type | 1      | 2      | 3      |
|------|--------|--------|--------|
| T    | Gasket | Socket | Spigot |

DN80~1200 T type joion  
DN80~1200 T 型承口



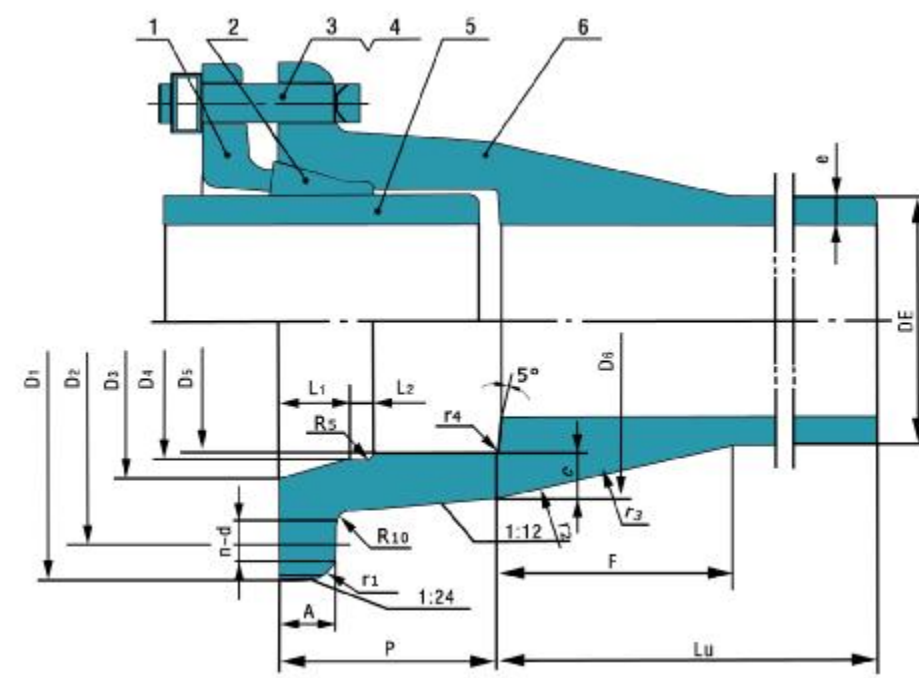
| Type | 1      | 2      | 3      |
|------|--------|--------|--------|
| T    | Gasket | Socket | Spigot |

DN1400~1600 T type joion  
DN1400~1600 T 型承口

| DN   | DE   |            | d1   | d2    |            | d3     |            | d5     |            | d6     |       |
|------|------|------------|------|-------|------------|--------|------------|--------|------------|--------|-------|
| 80   | 98   | +1         | 140  | 123   | ± 1        | 100.5  | ± 1        | 119.1  | ± 1        | 103.2  | ± 2   |
| 100  | 118  | -2.8       | 163  | 143   |            | 120.5  |            | 138.9  |            | 123.4  |       |
| 150  | 170  | +1<br>-2.8 | 217  | 195   |            | 172.5  |            | 190.6  |            | 175.3  |       |
| 200  | 222  | +1<br>-3   | 278  | 250   | +1.5<br>-1 | 224.5  | +1.5<br>-1 | 245.2  | +1.5<br>-1 | 227.8  |       |
| 250  | 274  | +1<br>-3.1 | 336  | 301.5 | -1         | 276.5  | -1         | 296.9  | -1         | 279.7  |       |
| 300  | 326  | +1<br>-3.3 | 393  | 356.5 |            | 328.5  |            | 351.7  |            | 332.1  | ± 2.5 |
| 350  | 378  | +1<br>-3.4 | 448  | 408   |            | 380.5  |            | 403.4  |            | 383.8  |       |
| 400  | 429  | +1<br>-3.5 | 500  | 462   | +2.1<br>-1 | 431.5  | +2.1<br>-1 | 457.2  | +2.1<br>-1 | 435.8  |       |
| 450  | 480  | +1<br>-3.6 | 540  | 514   | +2.2<br>-1 | 482.5  | +2.2<br>-1 | 509    | +2.2<br>-1 | 487    |       |
| 500  | 532  | +1<br>-3.8 | 604  | 568   | +2.4<br>-1 | 534.5  | +2.4<br>-1 | 562.6  | +2.4<br>-1 | 539.4  | ± 3   |
| 600  | 635  | +1<br>-4   | 713  | 673.4 | +2.7<br>-1 | 637.5  | +2.7<br>-1 | 668    | +2.7<br>-1 | 642.6  |       |
| 700  | 738  | +1<br>-4.2 | 824  | 788   | +3.5<br>-1 | 740.5  | +3.5<br>-1 | 779.3  | +3.5<br>-1 | 745.8  | ± 3.5 |
| 800  | 842  | +1<br>-4.5 | 943  | 894   | +3.8<br>-1 | 844.5  | +3.8<br>-1 | 885.9  | +3.8<br>-1 | 850    | ± 3.8 |
| 900  | 945  | +1<br>-4.8 | 1052 | 1000  | +4.1<br>-1 | 947.5  | +4.1<br>-1 | 991.3  | +4.1<br>-1 | 953.2  | ± 4.1 |
| 1000 | 1048 | +1<br>-5   | 1158 | 1105  | +4.4<br>-1 | 1050.5 | +4.4<br>-1 | 1097.1 | +4.4<br>-1 | 1056.4 | ± 4.4 |
| 1100 | 1152 | +1<br>-5.2 | 1267 | 1211  | +4.7<br>-1 | 1155   | +4.7<br>-1 | 1202.5 | +4.7<br>-1 | 1160.2 | ± 4.7 |
| 1200 | 1255 | +1<br>-5.5 | 1377 | 1317  | +5<br>-1   | 1258   | +5<br>-1   | 1308   | +5<br>-1   | 1264   | ± 5   |
| 1400 | 1462 | +1<br>-6   | 1610 | 1529  | +5.6<br>-1 | 1465   | +5.6<br>-1 | 1509   | +5.6<br>-1 | 1471   | ± 5.6 |
| 1600 | 1668 | +1<br>-6.5 | 1814 | 1740  | +6.2<br>-1 | 1673   | +6.2<br>-1 | 1717   | +6.2<br>-1 | 1678   | ± 6.2 |

| DN   | d7     | d8     | c    | f   |           | t1  | t2  | t3 | t4  |           | t5 | t6 |
|------|--------|--------|------|-----|-----------|-----|-----|----|-----|-----------|----|----|
| 80   | 122    | 135    | 8    | 3.5 | 0<br>-0.8 | 85  | 40  | 12 | 6   | 0<br>-0.5 | 5  | 8  |
| 100  | 142    | 155.7  | 8.4  | 3.5 |           | 88  | 40  | 12 | 6   |           | 5  | 8  |
| 150  | 195.6  | 209    | 9.1  | 3.5 |           | 94  | 40  | 12 | 6   |           | 5  | 8  |
| 200  | 251    | 265    | 9.8  | 4   |           | 100 | 45  | 15 | 7   |           | 6  | 10 |
| 250  | 305    | 323    | 10.5 | 4   |           | 105 | 47  | 15 | 7   |           | 6  | 10 |
| 300  | 368.5  | 384    | 11.2 | 4.5 | 0<br>-1   | 110 | 50  | 17 | 8.5 |           | 7  | 12 |
| 350  | 410.3  | 433    | 11.9 | 4.5 |           | 110 | 50  | 17 | 8.5 |           | 7  | 12 |
| 400  | 463    | 482.4  | 12.6 | 5   |           | 110 | 55  | 19 | 9.5 |           | 8  | 14 |
| 450  | 518.4  | 533    | 13.3 | 5   |           | 120 | 55  | 19 | 9.5 |           | 8  | 15 |
| 500  | 569.7  | 590.6  | 14   | 5.5 |           | 120 | 60  | 21 | 11  |           | 9  | 16 |
| 600  | 676.7  | 698.8  | 15.4 | 6   | 0<br>-1.2 | 120 | 65  | 21 | 12  | 0<br>-0.8 | 10 | 16 |
| 700  | 789    | 813    | 16.8 | 7   |           | 150 | 80  | 21 | 18  |           | 12 | 16 |
| 800  | 892.2  | 922.3  | 18.2 | 8   |           | 160 | 85  | 21 | 18  |           | 14 | 16 |
| 900  | 999.2  | 1030.5 | 19.6 | 9   |           | 175 | 90  | 21 | 20  |           | 16 | 16 |
| 1000 | 1106   | 1139   | 21   | 9   |           | 185 | 95  | 22 | 20  |           | 16 | 16 |
| 1100 | 1213.5 | 1247.3 | 22.4 | 10  | -         | 200 | 100 | 24 | 23  |           | 18 | 16 |
| 1200 | 1321   | 1355.6 | 23.8 | 10  |           | 215 | 105 | 25 | 23  |           | 18 | 17 |
| 1400 | 1535   | 1584.5 | 26.6 | -   |           | 239 | 115 | 27 | 25  |           | -  | 18 |
| 1600 | 1748   | -      | -    | -   | -         | 262 | 125 | 30 | 27  |           | -  | 20 |

| DN   | t7   | t8   | t9    | t10 | r1 | r2 | r4   | r5    | X  | Y | Mass<br>(kg) |
|------|------|------|-------|-----|----|----|------|-------|----|---|--------------|
| 80   | 48   | 5    | 39    | 80  | 4  | 5  | 22   | 62    | 6  | 2 | 3.2          |
| 100  | 48   | 5    | 39    | 88  | 4  | 5  | 17   | 68    | 9  | 3 | 4.3          |
| 150  | 48   | 5    | 43    | 94  | 4  | 5  | 18.5 | 74    | 9  | 3 | 7.1          |
| 200  | 56   | 6.2  | 48    | 100 | 4  | 6  | 35   | 70    | 9  | 3 | 10.3         |
| 250  | 58   | 6.8  | 48    | 105 | 4  | 6  | 36   | 72    | 9  | 3 | 14.2         |
| 300  | 61   | 7.2  | 56    | 110 | 6  | 7  | 37   | 74    | 9  | 3 | 18.6         |
| 350  | 61   | 5.1  | 55    | 113 | 6  | 7  | 24.5 | 98    | 9  | 3 | 23.7         |
| 400  | 68   | 5.1  | 58    | 116 | 6  | 8  | 26   | 104   | 9  | 3 | 29.3         |
| 450  | 68   | 6    | 66    | 120 | 6  | 8  | 28   | 105   | 9  | 3 | 36.2         |
| 500  | 75   | 7    | 63    | 120 | 6  | 10 | 29   | 116   | 9  | 3 | 42.8         |
| 600  | 80   | 9.2  | 62    | 120 | 6  | 10 | 32   | 128   | 9  | 3 | 59.3         |
| 700  | 90   | 10.6 | 77    | 150 | 8  | 10 | 35   | 140   | 15 | 5 | 79.1         |
| 800  | 96.5 | 12.4 | 86.5  | 160 | 8  | 10 | 38   | 160   | 15 | 5 | 102.6        |
| 900  | 103  | 14.2 | 92.5  | 175 | 8  | 10 | 42   | 175   | 15 | 5 | 129.9        |
| 1000 | 110  | 16   | 103   | 185 | 8  | 10 | 45   | 200   | 15 | 5 | 161.3        |
| 1100 | 116  | 17   | 107.5 | 200 | 10 | 12 | 46.5 | 207.5 | 15 | 5 | 194.7        |
| 1200 | 122  | 17.8 | 112   | 215 | 10 | 12 | 48   | 215   | 15 | 5 | 237.7        |
| 1400 | 125  | 19   | 129   | 239 | 10 | 12 | 100  | 205   | 20 | 7 | 279.3        |
| 1600 | 125  | 19   | 165   | 262 | 10 | 10 | 380  | 210   | 21 | 7 | 375.4        |



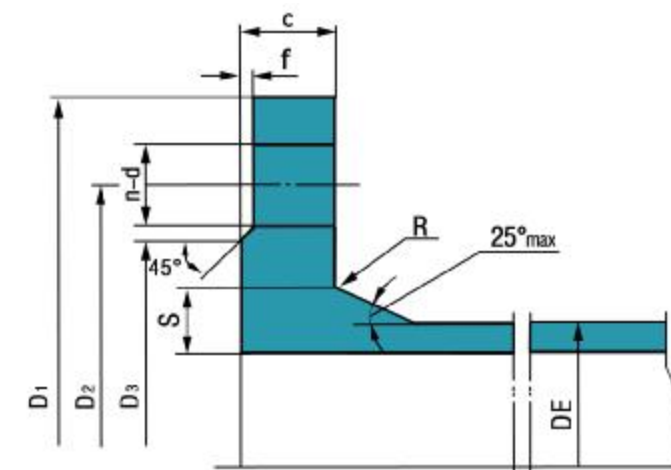
| Type | 1     | 2      | 3    | 4   | 5      | 6      |
|------|-------|--------|------|-----|--------|--------|
| K    | Gland | Gasket | Bolt | Nut | Spigot | Socket |

K type joint

K 型承口

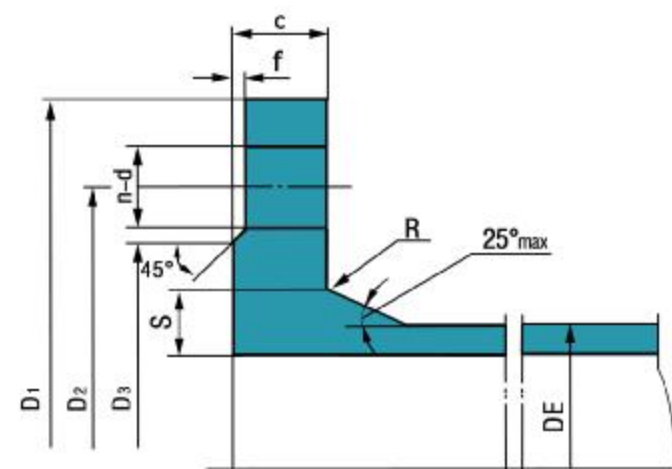
| DN   | DE   |            | D1   | D2   | D3   | D4   |       | D5   |            | D6   | A  |
|------|------|------------|------|------|------|------|-------|------|------------|------|----|
| 100  | 118  | +1<br>-3   | 234  | 188  | 148  | 130  | ± 1   | 121  | +2<br>-1   | 140  | 19 |
| 150  | 170  |            | 288  | 242  | 200  | 182  |       | 173  |            | 194  | 20 |
| 200  | 222  |            | 341  | 295  | 252  | 234  |       | 225  |            | 247  | 20 |
| 250  | 274  |            | 395  | 349  | 304  | 286  |       | 277  |            | 301  | 21 |
| 300  | 326  |            | 455  | 409  | 360  | 342  |       | 329  |            | 358  | 22 |
| 350  | 378  | ± 1.5      | 508  | 462  | 412  | 394  | ± 1.5 | 382  | +3<br>-1   | 410  | 23 |
| 400  | 429  |            | 561  | 515  | 463  | 445  |       | 433  |            | 462  | 23 |
| 450  | 480  |            | 614  | 568  | 514  | 496  |       | 484  |            | 515  | 24 |
| 500  | 532  |            | 667  | 621  | 566  | 548  |       | 536  |            | 568  | 25 |
| 600  | 635  |            | 773  | 727  | 669  | 651  |       | 639  |            | 675  | 26 |
| 700  | 738  | +1<br>-4   | 892  | 838  | 780  | 758  | ± 2   | 743  | +3.5<br>-2 | 781  | 28 |
| 800  | 842  |            | 999  | 942  | 884  | 862  |       | 847  |            | 888  | 29 |
| 900  | 945  |            | 1123 | 1057 | 987  | 965  |       | 950  |            | 994  | 31 |
| 1000 | 1048 | +1<br>-5   | 1231 | 1160 | 1090 | 1068 | ± 2   | 1054 | +3.5<br>-3 | 1101 | 32 |
| 1100 | 1152 | +1<br>-5.2 | 1338 | 1272 | 1194 | 1172 |       | 1158 |            | 1208 | 33 |
| 1200 | 1255 | +1<br>-5.5 | 1444 | 1378 | 1297 | 1275 |       | 1261 |            | 1314 | 35 |
| 1400 | 1462 | +1<br>-6   | 1657 | 1591 | 1504 | 1482 | ± 2.5 | 1469 | +4<br>-3   | 1527 | 38 |
| 1500 | 1565 |            | 1766 | 1700 | 1608 | 1586 |       | 1573 |            | 1634 | 40 |
| 1600 | 1668 | +1<br>-6.5 | 1874 | 1808 | 1720 | 1690 |       | 1678 | +4.5<br>-3 | 1740 | 41 |
| 1800 | 1875 | +1<br>-7   | 2089 | 2023 | 1927 | 1897 | ± 2.8 | 1883 | +5<br>-4   | 1954 | 43 |
| 2000 | 2082 | +1<br>-7.5 | 2305 | 2239 | 2134 | 2104 |       | 2091 | +5.5<br>-4 | 2168 | 46 |
| 2200 | 2288 |            | 2519 | 2453 | 2340 | 2310 |       | 2298 |            | 2381 | 49 |
| 2400 | 2495 |            | 2734 | 2668 | 2547 | 2517 |       | 2505 |            | 2595 | 52 |
| 2600 | 2702 |            | 2949 | 2883 | 2754 | 2724 |       | 2713 |            | 2809 | 55 |

| DN   | c    | p   | f   | r1 | r2  | r3  | L1 | L2 | d  | n  | Mass (kg) |
|------|------|-----|-----|----|-----|-----|----|----|----|----|-----------|
| 100  | 8.4  | 80  | 50  | 8  | 28  | 100 | 33 | 9  | 23 | 4  | 5.9       |
| 150  | 9.1  | 80  | 53  | 8  | 18  | 110 | 33 | 9  | 23 | 6  | 8.4       |
| 200  | 9.8  | 80  | 57  | 8  | 32  | 115 | 33 | 9  | 23 | 6  | 11        |
| 250  | 10.5 | 80  | 60  | 10 | 20  | 125 | 33 | 9  | 23 | 8  | 14.1      |
| 300  | 11.2 | 110 | 68  | 10 | 35  | 135 | 33 | 13 | 23 | 8  | 22.4      |
| 350  | 11.9 | 110 | 72  | 10 | 45  | 145 | 33 | 13 | 23 | 10 | 27.2      |
| 400  | 12.6 | 110 | 75  | 10 | 40  | 150 | 33 | 13 | 23 | 12 | 31.5      |
| 450  | 13.3 | 110 | 78  | 10 | 50  | 150 | 33 | 13 | 23 | 12 | 37.3      |
| 500  | 14   | 110 | 82  | 10 | 55  | 160 | 33 | 13 | 23 | 14 | 42.8      |
| 600  | 15.4 | 110 | 89  | 10 | 55  | 170 | 33 | 13 | 23 | 14 | 55.4      |
| 700  | 16.8 | 120 | 96  | 10 | 50  | 190 | 43 | 14 | 27 | 16 | 73.9      |
| 800  | 18.2 | 120 | 103 | 10 | 52  | 208 | 43 | 14 | 27 | 20 | 90.2      |
| 900  | 19.6 | 120 | 110 | 10 | 50  | 225 | 43 | 14 | 33 | 20 | 115.6     |
| 1000 | 21   | 130 | 119 | 15 | 50  | 240 | 43 | 15 | 33 | 20 | 146.6     |
| 1100 | 22   | 130 | 126 | 15 | 80  | 245 | 43 | 15 | 33 | 24 | 172.4     |
| 1200 | 24   | 130 | 133 | 15 | 85  | 250 | 43 | 15 | 33 | 28 | 201       |
| 1400 | 27   | 130 | 147 | 15 | 70  | 280 | 43 | 15 | 33 | 28 | 265.8     |
| 1500 | 28   | 130 | 155 | 15 | 60  | 300 | 43 | 15 | 33 | 28 | 298.8     |
| 1600 | 29   | 160 | 163 | 15 | 50  | 354 | 59 | 17 | 33 | 30 | 375.4     |
| 1800 | 32   | 170 | 179 | 20 | 60  | 370 | 59 | 17 | 33 | 34 | 490.6     |
| 2000 | 35   | 180 | 195 | 20 | 120 | 380 | 59 | 17 | 33 | 36 | 626.4     |
| 2200 | 38   | 190 | 210 | 20 | 150 | 390 | 59 | 17 | 33 | 40 | 784.2     |
| 2400 | 41   | 200 | 226 | 20 | 170 | 402 | 59 | 17 | 33 | 44 | 966.2     |
| 2600 | 43   | 210 | 242 | 20 | 185 | 415 | 59 | 17 | 33 | 48 | 1173.7    |



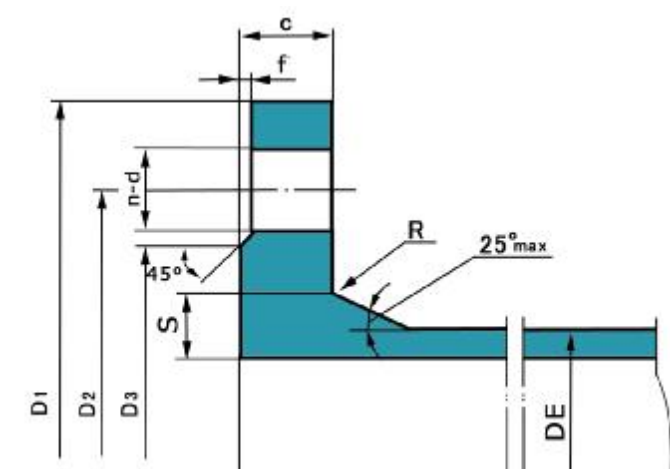
PN10 Flange    PN10 法兰

| DN   | D1   | D2   | D3   | DE   | c    | f | S    | R  | Bolts |      |    | Mass (kg) |
|------|------|------|------|------|------|---|------|----|-------|------|----|-----------|
|      |      |      |      |      |      |   |      |    | d     | size | n  |           |
| 80   | 200  | 160  | 132  | 98   | 19   | 3 | 15   | 6  | 19    | M16  | 8  | 2.9       |
| 100  | 220  | 180  | 156  | 118  | 19   | 3 | 15   | 6  | 19    | M16  | 8  | 3.3       |
| 150  | 285  | 240  | 211  | 170  | 19   | 3 | 15   | 8  | 23    | M20  | 8  | 5.1       |
| 200  | 340  | 295  | 266  | 222  | 20   | 3 | 16   | 8  | 23    | M20  | 8  | 7.1       |
| 250  | 400  | 350  | 319  | 274  | 22   | 3 | 17.5 | 10 | 23    | M20  | 12 | 9.9       |
| 300  | 455  | 400  | 370  | 326  | 24.5 | 4 | 19.5 | 10 | 23    | M20  | 12 | 12.9      |
| 350  | 505  | 460  | 429  | 378  | 24.5 | 4 | 19.5 | 10 | 23    | M20  | 16 | 14.7      |
| 400  | 565  | 515  | 480  | 429  | 24.5 | 4 | 19.5 | 10 | 28    | M24  | 16 | 17.7      |
| 450  | 615  | 565  | 530  | 480  | 24.5 | 4 | 20.5 | 12 | 28    | M24  | 20 | 20.2      |
| 500  | 670  | 620  | 582  | 532  | 26.5 | 4 | 21   | 12 | 28    | M24  | 20 | 24.3      |
| 600  | 780  | 725  | 682  | 635  | 30   | 5 | 24   | 12 | 31    | M27  | 20 | 33.7      |
| 700  | 895  | 840  | 794  | 738  | 32.5 | 5 | 23   | 16 | 31    | M27  | 24 | 46.3      |
| 800  | 1015 | 950  | 901  | 842  | 35   | 5 | 24.5 | 16 | 34    | M30  | 24 | 62.1      |
| 900  | 1115 | 1050 | 1001 | 945  | 37.5 | 5 | 26.5 | 16 | 34    | M30  | 28 | 73        |
| 1000 | 1230 | 1160 | 1112 | 1048 | 40   | 5 | 28   | 16 | 37    | M33  | 28 | 92.9      |
| 1100 | 1340 | 1270 | 1218 | 1152 | 42.5 | 5 | 30   | 20 | 37    | M33  | 32 | 105       |
| 1200 | 1455 | 1380 | 1328 | 1255 | 45   | 5 | 31.5 | 20 | 40    | M36  | 32 | 138       |
| 1400 | 1675 | 1590 | 1530 | 1462 | 46   | 5 | 32   | 20 | 43    | M39  | 36 | 174.7     |
| 1500 | 1785 | 1700 | 1640 | 1668 | 47.5 | 5 | 33   | 20 | 43    | M39  | 36 | 201.4     |
| 1600 | 1915 | 1820 | 1750 | 1668 | 49   | 5 | 34.5 | 20 | 49    | M45  | 40 | 241.8     |
| 1800 | 2115 | 2020 | 1950 | 1875 | 52   | 5 | 36.5 | 20 | 49    | M45  | 44 | 281.9     |
| 2000 | 2325 | 2230 | 2150 | 2082 | 55   | 5 | 38.5 | 20 | 49    | M45  | 48 | 336.5     |
| 2200 | 2550 | 2440 | 2370 | 2288 | 59   | 6 | 41.5 | 20 | 56    | M52  | 52 | 345.6     |
| 2400 | 2750 | 2650 | 2570 | 2495 | 62   | 6 | 43.5 | 20 | 56    | M52  | 56 | 398.8     |
| 2600 | 2960 | 2850 | 2780 | 2702 | 65   | 6 | 45.5 | 20 | 56    | M52  | 60 | 436.9     |



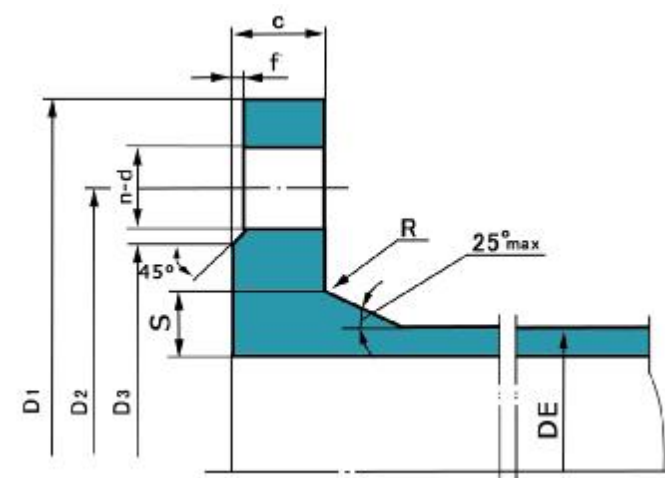
PN16 Flange PN16 法兰

| DN   | D1   | D2   | D3   | DE   | c    | f | S    | R  | Bolts |      |    | Mass (kg) |
|------|------|------|------|------|------|---|------|----|-------|------|----|-----------|
|      |      |      |      |      |      |   |      |    | d     | size | n  |           |
| 80   | 200  | 160  | 132  | 98   | 19   | 3 | 15   | 6  | 19    | M16  | 8  | 2.9       |
| 100  | 220  | 180  | 156  | 118  | 19   | 3 | 15   | 6  | 19    | M16  | 8  | 3.3       |
| 150  | 285  | 240  | 211  | 170  | 19   | 3 | 15   | 8  | 23    | M20  | 8  | 5.1       |
| 200  | 340  | 295  | 266  | 222  | 20   | 3 | 16   | 8  | 23    | M20  | 12 | 6.9       |
| 250  | 400  | 355  | 319  | 274  | 22   | 3 | 17.5 | 10 | 28    | M24  | 12 | 9.6       |
| 300  | 455  | 410  | 370  | 326  | 24.5 | 4 | 19.5 | 10 | 28    | M24  | 12 | 12.6      |
| 350  | 520  | 470  | 429  | 378  | 26.5 | 4 | 21   | 10 | 28    | M24  | 16 | 17.4      |
| 400  | 580  | 525  | 480  | 429  | 28   | 4 | 22.5 | 10 | 31    | M27  | 16 | 22.2      |
| 450  | 640  | 585  | 548  | 480  | 30   | 4 | 24   | 12 | 31    | M27  | 20 | 28.1      |
| 500  | 715  | 650  | 609  | 532  | 31.5 | 4 | 25   | 12 | 34    | M30  | 20 | 37.7      |
| 600  | 840  | 770  | 720  | 635  | 36   | 5 | 29   | 12 | 37    | M33  | 20 | 57.4      |
| 700  | 910  | 840  | 794  | 738  | 39.5 | 5 | 27.5 | 16 | 37    | M33  | 24 | 58        |
| 800  | 1025 | 950  | 901  | 842  | 43   | 5 | 30   | 16 | 40    | M36  | 24 | 77        |
| 900  | 1125 | 1050 | 1001 | 945  | 46.5 | 5 | 32.5 | 16 | 40    | M36  | 28 | 92        |
| 1000 | 1255 | 1170 | 1112 | 1048 | 50   | 5 | 35   | 16 | 43    | M39  | 28 | 127.4     |
| 1100 | 1355 | 1270 | 1218 | 1152 | 53.5 | 5 | 37.5 | 20 | 43    | M39  | 32 | 141       |
| 1200 | 1485 | 1390 | 1328 | 1255 | 57   | 5 | 40   | 20 | 49    | M45  | 32 | 192.9     |
| 1400 | 1685 | 1590 | 1530 | 1462 | 60   | 5 | 42   | 20 | 49    | M45  | 36 | 231.5     |
| 1500 | 1820 | 1710 | 1640 | 1565 | 62.5 | 5 | 44   | 20 | 56    | M52  | 36 | 280.3     |
| 1600 | 1930 | 1820 | 1750 | 1668 | 65   | 5 | 45.5 | 20 | 56    | M52  | 40 | 331.1     |
| 1800 | 2130 | 2020 | 1950 | 1875 | 70   | 5 | 49   | 20 | 56    | M52  | 44 | 393.7     |
| 2000 | 2345 | 2230 | 2150 | 2082 | 75   | 5 | 52.5 | 20 | 62    | M56  | 48 | 474.5     |
| 2200 | 2555 | 2440 | 2370 | 2288 | 81   | 6 | 56.5 | 20 | 62    | M56  | 52 | 512.3     |
| 2400 | 2765 | 2650 | 2570 | 2495 | 86   | 6 | 60   | 20 | 62    | M56  | 56 | 601       |
| 2600 | 2965 | 2850 | 2780 | 2702 | 91   | 6 | 63.5 | 20 | 62    | M56  | 60 | 672       |



PN25 Flange PN25 法兰

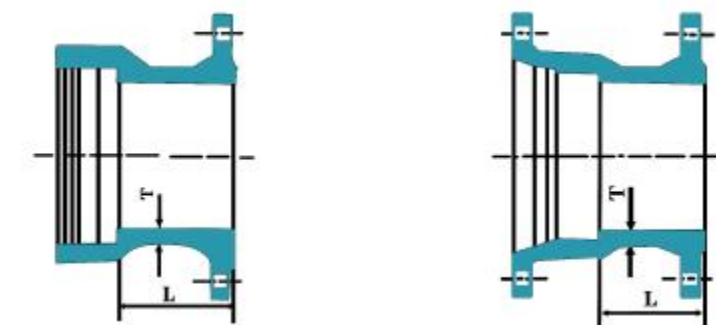
| DN   | D1   | D2   | D3   | DE   | c    | f | S    | R  | Bolts |      |    | Mass (kg) |
|------|------|------|------|------|------|---|------|----|-------|------|----|-----------|
|      |      |      |      |      |      |   |      |    | d     | size | n  |           |
| 80   | 200  | 160  | 132  | 98   | 19   | 3 | 15   | 6  | 19    | M16  | 8  | 2.9       |
| 100  | 235  | 190  | 156  | 118  | 19   | 3 | 15   | 6  | 23    | M20  | 8  | 3.8       |
| 150  | 300  | 250  | 211  | 170  | 20   | 3 | 16   | 8  | 28    | M24  | 8  | 6.1       |
| 200  | 360  | 310  | 274  | 222  | 22   | 3 | 17.5 | 8  | 28    | M24  | 12 | 8.9       |
| 250  | 425  | 370  | 330  | 274  | 24.5 | 3 | 19.5 | 10 | 31    | M27  | 12 | 13.2      |
| 300  | 485  | 430  | 389  | 326  | 27.5 | 4 | 22   | 10 | 31    | M27  | 16 | 18.0      |
| 350  | 555  | 490  | 448  | 378  | 30   | 4 | 24   | 10 | 34    | M30  | 16 | 25.3      |
| 400  | 620  | 550  | 503  | 429  | 32   | 4 | 25.5 | 10 | 37    | M33  | 16 | 33.2      |
| 450  | 670  | 600  | 548  | 480  | 34.5 | 4 | 27.5 | 12 | 37    | M33  | 20 | 39        |
| 500  | 730  | 660  | 609  | 532  | 36.5 | 4 | 29   | 12 | 37    | M33  | 20 | 48.3      |
| 600  | 845  | 770  | 720  | 635  | 42   | 5 | 33.5 | 12 | 40    | M36  | 20 | 69.2      |
| 700  | 960  | 875  | 820  | 738  | 46.5 | 5 | 32.5 | 16 | 43    | M39  | 24 | 89.0      |
| 800  | 1085 | 990  | 928  | 842  | 51   | 5 | 35.5 | 16 | 49    | M45  | 24 | 122       |
| 900  | 1185 | 1090 | 1028 | 945  | 55.5 | 5 | 39   | 16 | 49    | M45  | 28 | 146       |
| 1000 | 1320 | 1210 | 1140 | 1048 | 60   | 5 | 42   | 16 | 56    | M52  | 28 | 194       |
| 1100 | 1420 | 1310 | 1240 | 1152 | 64.5 | 5 | 45   | 20 | 56    | M52  | 32 | 224       |
| 1200 | 1530 | 1420 | 1350 | 1255 | 69   | 5 | 48.5 | 20 | 56    | M52  | 32 | 271       |
| 1400 | 1755 | 1640 | 1560 | 1462 | 74   | 5 | 52   | 20 | 62    | M56  | 36 | 368       |
| 1600 | 1975 | 1860 | 1780 | 1668 | 81   | 5 | 56.5 | 20 | 62    | M56  | 40 | 486       |
| 1800 | 2195 | 2070 | 1985 | 1875 | 88   | 5 | 61.5 | 20 | 70    | M64  | 44 | 601.9     |
| 2000 | 2425 | 2300 | 2210 | 2082 | 95   | 5 | 66.5 | 20 | 70    | M64  | 48 | 784.9     |



PN40 Flange PN40 法兰

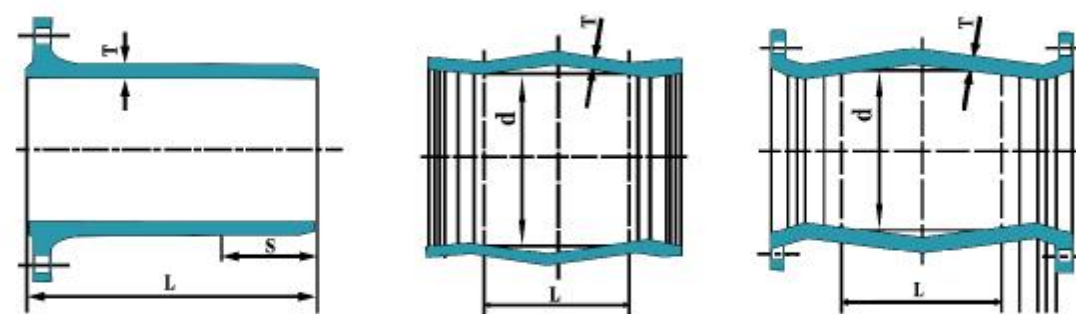
| DN   | D <sub>1</sub> | D <sub>3</sub> | c    | b    | f | s    | Mass(kg) |
|------|----------------|----------------|------|------|---|------|----------|
| 40   | 150            | 84             | 19   | 16   | 3 | 15   | 1.7      |
| 50   | 165            | 99             | 19   | 16   | 3 | 15   | 2.1      |
| (60) | 175            | 108            | 19   | 16   | 3 | 15   | 2.1      |
| 65   | 185            | 118            | 19   | 16   | 3 | 15   | 2.4      |
| 80   | 200            | 132            | 19   | 16   | 3 | 15   | 2.9      |
| 100  | 235            | 156            | 19   | 16   | 3 | 15   | 3.8      |
| 125  | 270            | 184            | 23.5 | 20.5 | 3 | 16.5 | 5.9      |
| 150  | 300            | 211            | 26   | 23   | 3 | 18   | 8        |
| 200  | 375            | 284            | 30   | 27   | 3 | 21   | 14       |
| 250  | 450            | 345            | 34.5 | 31.5 | 3 | 24   | 23.2     |
| 300  | 515            | 409            | 39.5 | 35.5 | 4 | 27.5 | 33.5     |
| 350  | 580            | 465            | 44   | 40   | 4 | 31   | 46.7     |
| 400  | 660            | 535            | 48   | 44   | 4 | 33.5 | 66.9     |
| 500  | 755            | 615            | 52   | 48   | 4 | 36.5 | 82.3     |
| 600  | 890            | 735            | 58   | 53   | 5 | 40.5 | 124.1    |

| Nominat size<br>DN | D <sub>2</sub> | Holes  |                         | Bolts<br>Nominal diameter |
|--------------------|----------------|--------|-------------------------|---------------------------|
|                    |                | Number | Diameter L <sub>2</sub> |                           |
| 40                 | 110            | 4      | 19                      | M16                       |
| 50                 | 125            | 4      | 19                      | M16                       |
| (60)               | 135            | 8      | 19                      | M16                       |
| 65                 | 145            | 8      | 19                      | M16                       |
| 80                 | 160            | 8      | 19                      | M16                       |
| 100                | 190            | 8      | 23                      | M20                       |
| 125                | 220            | 8      | 28                      | M24                       |
| 150                | 250            | 8      | 28                      | M24                       |
| 200                | 320            | 12     | 31                      | M27                       |
| 250                | 385            | 12     | 34                      | M30                       |
| 300                | 450            | 16     | 34                      | M30                       |
| 350                | 510            | 16     | 37                      | M33                       |
| 400                | 585            | 16     | 40                      | M36                       |
| 500                | 670            | 20     | 43                      | M39                       |
| 600                | 795            | 20     | 49                      | M45                       |



Flanged socket 法兰承口

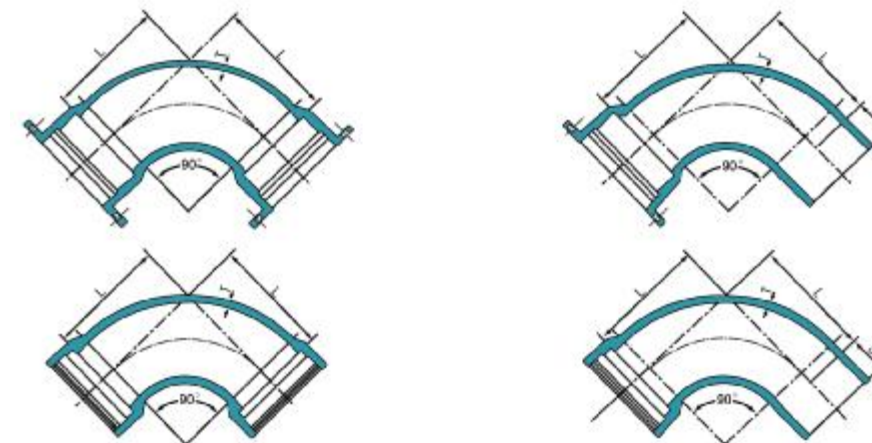
| DN   | T    | d    | L   | Mass(kg) |       |      |      |      |      |
|------|------|------|-----|----------|-------|------|------|------|------|
|      |      |      |     | T        |       |      | K    |      |      |
|      |      |      |     | PN10     | PN16  | PN25 | PN10 | PN16 | PN25 |
| 80   | 7    | 109  | 130 | 7.4      | 7.4   | 7.4  | 9.6  | 9.6  | 9.6  |
| 100  | 7.2  | 130  | 130 | 9        | 9     | 9.5  | 11.4 | 11.4 | 12.4 |
| 125  | 7.5  | 156  | 135 | 11.5     | 11.5  | 12.1 | 14.3 | 14.3 | 14.9 |
| 150  | 7.8  | 183  | 135 | 14.2     | 14.2  | 15.2 | 18   | 18   | 19   |
| 200  | 8.4  | 235  | 140 | 20.5     | 20    | 22   | 24.5 | 24.5 | 26   |
| 250  | 9    | 288  | 145 | 28       | 27.5  | 31.5 | 32.5 | 32   | 35.5 |
| 300  | 9.6  | 340  | 150 | 37       | 36.5  | 42   | 44.5 | 44   | 49.5 |
| 350  | 10.2 | 393  | 155 | 45       | 48    | 56   | 53   | 55.5 | 63   |
| 400  | 10.8 | 445  | 160 | 55       | 60    | 71   | 64   | 68   | 78.5 |
| 450  | 11.4 | 498  | 165 | 66.5     | 76.5  | 87.5 | 74   | 82   | 92.5 |
| 500  | 12   | 550  | 170 | 78       | 93    | 104  | 87   | 100  | 110  |
| 600  | 13.2 | 655  | 180 | 108      | 135   | 149  | 115  | 138  | 149  |
| 700  | 14.4 | 760  | 190 | 144      | 159   | 216  | 161  | 176  | 211  |
| 800  | 15.6 | 865  | 200 | 189      | 208   | 287  | 206  | 225  | 274  |
| 900  | 16.8 | 970  | 210 | 235      | 258   | 356  | 257  | 281  | 341  |
| 1000 | 18   | 1075 | 220 | 293      | 324   | 458  | 317  | 351  | 458  |
| 1100 | 19.2 | 1180 | 230 | 406.4    | 413.8 | 550  | 377  | 412  | 550  |
| 1200 | 20.4 | 1285 | 240 | 456      | 521   | 664  | 456  | 521  | 664  |
| 1400 | 22.8 | 1477 | 310 | 654      | 723   | 882  | 654  | 723  | 882  |
| 1500 | 24   | 1580 | 330 | 773      | 857   | 939  | 773  | 857  | 939  |
| 1600 | 25.2 | 1683 | 330 | 887      | 989   | 1167 | 897  | 999  | 1176 |
| 1800 | 27.6 | 1889 | 350 | 1125     | 1251  |      | 1137 | 1263 | 1503 |
| 2000 | 30   | 2095 | 370 | 1414     | 1567  |      | 1428 | 1581 | 1933 |
| 2200 | 32.4 | 2301 | 390 | 1767     | 1934  |      | 1783 | 1950 |      |
| 2400 | 34.8 | 2507 | 410 | 2150     | 2352  |      | 2168 | 2370 |      |
| 2600 | 37.2 | 2713 | 480 | 2563     | 2798  |      | 2699 | 2934 |      |



Flanged Spigot 法兰插口

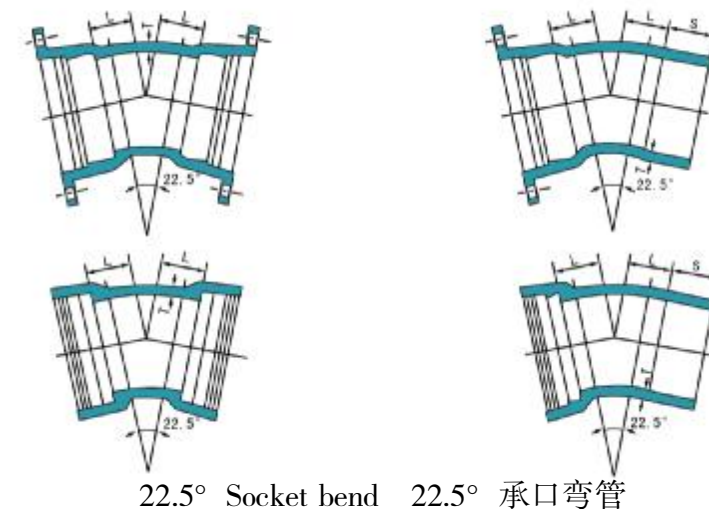
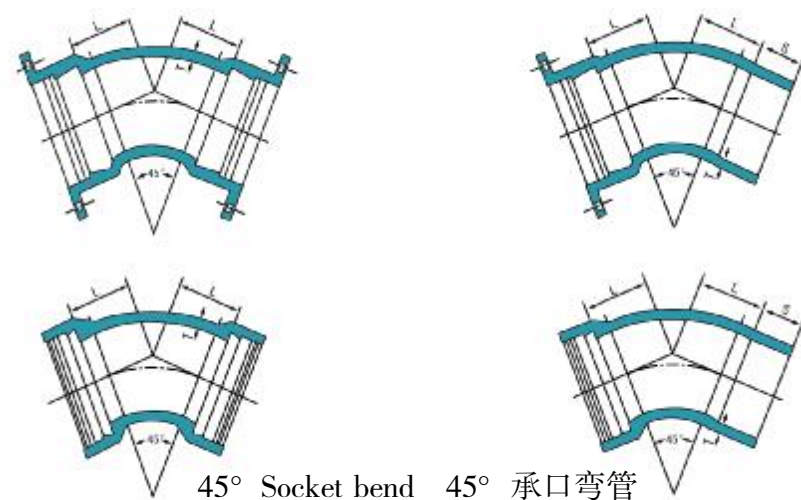
Collar 双承套管

| DN   | T    | Flanged Spigot |     |          |      |      | Collar |      |          |      |
|------|------|----------------|-----|----------|------|------|--------|------|----------|------|
|      |      | L              | S   | Mass(kg) |      |      | L      | d    | Mass(kg) |      |
|      |      |                |     | PN10     | PN16 | PN25 |        |      | T        | K    |
| 80   | 7    | 350            | 215 | 7.8      | 7.8  | 7.8  | 160    | 109  | 9.3      | 12.9 |
| 100  | 7.2  | 360            | 215 | 9.6      | 9.6  | 10.2 | 160    | 130  | 12.2     | 15.8 |
| 125  | 7.5  | 370            | 220 | 12.4     | 12.4 | 13   | 165    | 156  | 14.2     |      |
| 150  | 7.8  | 380            | 225 | 15.6     | 15.6 | 16.6 | 165    | 183  | 17.7     | 23.5 |
| 200  | 8.4  | 400            | 230 | 22.5     | 22.5 | 24.5 | 170    | 235  | 24.6     | 30   |
| 250  | 9    | 420            | 240 | 32       | 31.5 | 35.5 | 175    | 288  | 32.9     | 38.5 |
| 300  | 9.6  | 440            | 250 | 43       | 42.5 | 47.5 | 180    | 340  | 42.8     | 54   |
| 350  | 10.2 | 460            | 260 | 52       | 55   | 64   | 185    | 393  | 57.3     | 67.5 |
| 400  | 10.8 | 480            | 270 | 64       | 70   | 81   | 190    | 445  | 71.6     | 81   |
| 450  | 11.4 | 500            | 280 | 79       | 88   | 103  | 195    | 498  | 80       | 96   |
| 500  | 12   | 520            | 290 | 94       | 109  | 121  | 200    | 550  | 104.2    | 109  |
| 600  | 13.2 | 560            | 310 | 133      | 159  | 173  | 210    | 655  | 146.2    | 140  |
| 700  | 14.4 | 600            | 330 | 179      | 194  | 228  | 220    | 760  | 192      | 185  |
| 800  | 15.6 | 600            | 330 | 226      | 245  | 294  | 230    | 865  | 250.6    | 225  |
| 900  | 16.8 | 600            | 330 | 272      | 295  | 356  | 240    | 970  | 316.2    | 278  |
| 1000 | 18   | 600            | 330 | 328      | 369  | 447  | 250    | 1075 | 390      | 348  |
| 1100 | 19.2 | 600            | 330 | 394      | 430  | 513  | 260    | 1180 | 465.8    | 407  |
| 1200 | 20.4 | 600            | 330 | 456      | 520  | 620  | 270    | 1285 | 560      | 560  |
| 1400 | 22.8 | 710            | 390 | 664      | 732  | 884  | 340    | 1477 | 816      | 816  |
| 1500 | 24   | 750            | 410 | 812      | 900  |      | 350    | 1580 | 829      | 829  |
| 1600 | 25.2 | 780            | 430 | 922      | 1024 | 1202 | 360    | 1683 | 1094     | 1094 |
| 1800 | 27.6 | 850            | 470 | 1196     | 1322 | 1562 | 380    | 1889 | 1427     | 1426 |
| 2000 | 30   | 920            | 500 | 1534     | 1687 | 2040 | 400    | 2095 | 1818     | 1818 |
| 2200 | 32.4 | 990            | 540 | 1948     | 2115 |      | 420    | 2301 | 2272     | 2272 |
| 2400 | 34.8 | 1060           | 570 | 2409     | 2611 |      | 440    | 2507 | 2749     | 2749 |
| 2600 | 37.2 | 1130           | 610 | 2918     | 3153 |      | 460    | 2713 | 3390     | 3390 |



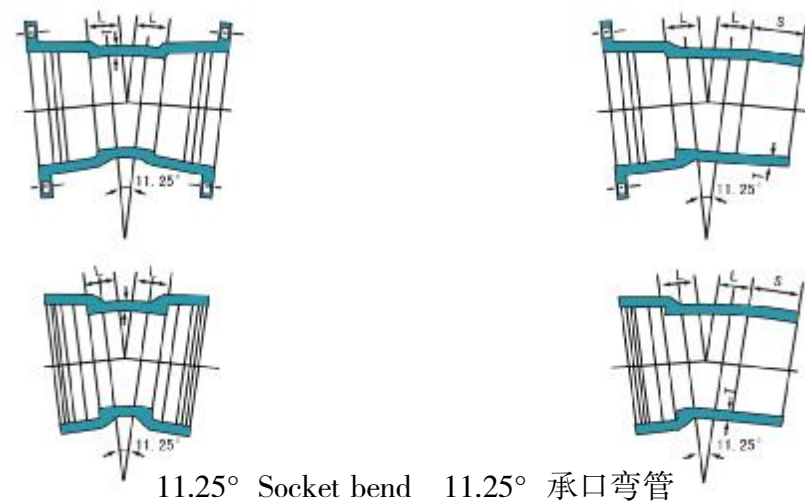
90° Socket bend 90° 承口弯管

| DN   | T    | L    | S   | Mass(kg)         |      |                  |      |
|------|------|------|-----|------------------|------|------------------|------|
|      |      |      |     | Double-socket 双承 |      | Socket-spigot 承插 |      |
|      |      |      |     | T                | K    | T                | K    |
| 80   | 7    | 100  | 180 | 8.6              | 12   | 10.1             | 11.7 |
| 100  | 7.2  | 120  | 180 | 11.4             | 15.6 | 13.3             | 15.7 |
| 125  | 7.5  | 145  | 180 | 15.7             | 21.3 | 15.5             | 18   |
| 150  | 7.8  | 170  | 180 | 20.5             | 27.5 | 24               | 23.9 |
| 200  | 8.4  | 220  | 180 | 33               | 40   | 38.3             | 36.4 |
| 250  | 9    | 270  | 180 | 48.5             | 55.5 | 60.6             | 51.6 |
| 300  | 9.6  | 320  | 180 | 68               | 81.5 | 78               | 75   |
| 350  | 10.2 | 370  | 180 | 98.4             | 105  | 112              | 105  |
| 400  | 10.8 | 420  | 180 | 129              | 134  | 146              | 135  |
| 450  | 11.4 | 470  | 200 | 163              | 166  | 165              | 169  |
| 500  | 12   | 520  | 200 | 204              | 202  | 230              | 208  |
| 600  | 13.2 | 620  | 200 | 303              | 290  | 337              | 299  |
| 700  | 14.4 | 720  | 180 | 455              | 443  | 490              | 478  |
| 800  | 15.6 | 820  | 180 | 605              | 581  | 665              | 628  |
| 900  | 16.8 | 920  | 180 | 813              | 785  | 880              | 849  |
| 1000 | 18   | 1020 | 180 | 1045             | 935  | 1137             | 1024 |
| 1100 | 19.2 | 1120 | 180 | 1298             | 1276 | 1190             | 1164 |
| 1200 | 20.4 | 1220 | 180 | 1663             | 1589 | 1523             | 1486 |
| 1400 | 22.8 | 1220 | 180 | 2149             | 2122 | 2018             | 2005 |
| 1500 | 24   | 1270 | 255 | 2405             | 2347 | 2196             | 2167 |
| 1600 | 25.2 | 1290 | 265 | 2737             | 2737 | 2605             | 2605 |
| 1800 | 27.6 | 1320 | 240 |                  | 3833 |                  | 3649 |
| 2000 | 30   | 1440 | 195 |                  | 4783 |                  | 4567 |
| 2200 | 32.4 | 1560 | 190 |                  | 5884 |                  | 5587 |
| 2400 | 34.8 | 1690 | 240 |                  | 7205 |                  | 6810 |
| 2600 | 37.2 | 1840 | 240 |                  | 8705 |                  | 8193 |

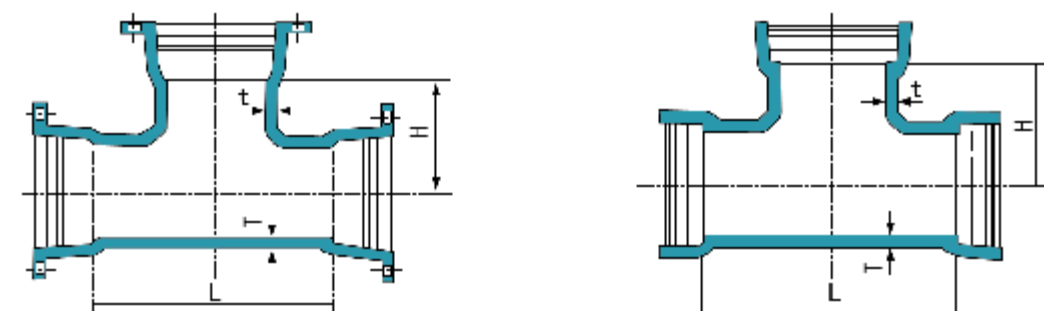


| DN   | T    | L   | S   | Mass(kg)         |      |                  |      |
|------|------|-----|-----|------------------|------|------------------|------|
|      |      |     |     | Double-socket 双承 |      | Socket-spigot 承插 |      |
|      |      |     |     | T                | K    | T                | K    |
| 80   | 7    | 55  | 180 | 7.7              | 11.1 | 8.1              | 8.5  |
| 100  | 7.2  | 65  | 180 | 10.1             | 14.3 | 10.6             | 13   |
| 125  | 7.5  | 75  | 180 | 13.6             | 19.2 | 12.3             | 15   |
| 150  | 7.8  | 85  | 180 | 17.4             | 24   | 18.2             | 20.7 |
| 200  | 8.4  | 110 | 180 | 27               | 34   | 28.2             | 30.4 |
| 250  | 9    | 130 | 180 | 38.5             | 45.5 | 40.2             | 41.6 |
| 300  | 9.6  | 150 | 180 | 53               | 66   | 54.6             | 42.9 |
| 350  | 10.2 | 175 | 180 | 70               | 83.5 | 71.3             | 76.5 |
| 400  | 10.8 | 195 | 180 | 89               | 104  | 89.9             | 95.1 |
| 450  | 11.4 | 220 | 200 | 117              | 127  | 125              | 129  |
| 500  | 12   | 240 | 200 | 139              | 150  | 139              | 142  |
| 600  | 13.2 | 285 | 200 | 202              | 209  | 200              | 198  |
| 700  | 14.4 | 330 | 250 | 282              | 289  | 283              | 302  |
| 800  | 15.6 | 370 | 250 | 378              | 373  | 376              | 395  |
| 900  | 16.8 | 415 | 250 | 496              | 488  | 480              | 539  |
| 1000 | 18   | 460 | 300 | 635              | 629  | 644              | 630  |
| 1100 | 19.2 | 505 | 300 | 856              | 856  | 845              | 835  |
| 1200 | 20.4 | 550 | 300 | 986              | 943  | 930              | 905  |
| 1400 | 22.8 | 515 | 300 | 1273             | 1223 | 1231             | 1200 |
| 1500 | 24   | 540 | 300 | 1484             | 1444 | 1414             | 1385 |
| 1600 | 25.2 | 565 | 320 | 1740             | 1740 | 1702             | 1702 |
| 1800 | 27.6 | 610 | 380 | 2296             | 2296 | 2130             | 2130 |
| 2000 | 30   | 660 | 260 | 2970             | 2970 | 2862             | 2768 |
| 2200 | 32.4 | 710 | 280 | 3762             | 3762 | 3625             | 3442 |
| 2400 | 34.8 | 755 | 250 | 4665             | 4943 | 4457             | 4213 |
| 2600 | 37.2 | 805 | 315 | 5721             | 5957 | 5426             | 5261 |

| DN   | T    | L   | S   | Mass(kg)         |      |                  |      |
|------|------|-----|-----|------------------|------|------------------|------|
|      |      |     |     | Double-socket 双承 |      | Socket-spigot 承插 |      |
|      |      |     |     | T                | K    | T                | K    |
| 80   | 7    | 40  | 180 | 7.3              | 9.9  | 7.7              | 9    |
| 100  | 7.2  | 40  | 180 | 9.3              | 14.1 | 9.8              | 12.2 |
| 125  | 7.5  | 50  | 180 | 12.6             | 18.2 | 11.2             | 16.8 |
| 150  | 7.8  | 55  | 180 | 15.9             | 22.5 | 16.8             | 19.3 |
| 200  | 8.4  | 65  | 180 | 24               | 30.5 | 25.2             | 27.4 |
| 250  | 9    | 75  | 180 | 33.5             | 36.3 | 35.2             | 36.6 |
| 300  | 9.6  | 85  | 180 | 44.5             | 55.3 | 46.2             | 51.6 |
| 350  | 10.2 | 95  | 180 | 58               | 68.4 | 59               | 64.2 |
| 400  | 10.8 | 110 | 180 | 74               | 84.4 | 79.5             | 84.7 |
| 450  | 11.4 | 120 | 200 | 95               | 105  | 107              | 111  |
| 500  | 12   | 130 | 200 | 111              | 117  | 117              | 119  |
| 600  | 13.2 | 150 | 200 | 157              | 154  | 161              | 159  |
| 700  | 14.4 | 175 | 250 | 217              | 223  | 210              | 206  |
| 800  | 15.6 | 195 | 250 | 287              | 281  | 274              | 270  |
| 900  | 16.8 | 220 | 250 | 373              | 364  | 375              | 345  |
| 1000 | 18   | 240 | 300 | 470              | 463  | 443              | 430  |
| 1100 | 19.2 | 260 | 300 | 644              | 601  | 598              | 580  |
| 1200 | 20.4 | 285 | 300 | 716              | 671  | 680              | 620  |
| 1400 | 22.8 | 260 | 300 | 933              | 882  | 891              | 880  |
| 1500 | 24   | 270 | 300 | 1094             | 1011 | 1000             | 965  |
| 1600 | 25.2 | 280 | 380 | 1259             | 1259 | 1214             | 1200 |
| 1800 | 27.6 | 305 | 360 | 1663             | 1663 | 1602             | 1528 |
| 2000 | 30   | 330 | 400 | 2144             | 2144 | 1928             | 1928 |
| 2200 | 32.4 | 355 | 400 | 2707             | 2707 | 2408             | 2408 |
| 2400 | 34.8 | 380 | 400 | 3359             | 3642 | 2963             | 3105 |
| 2600 | 37.2 | 400 | 400 | 4087             | 4328 | 3573             | 3452 |

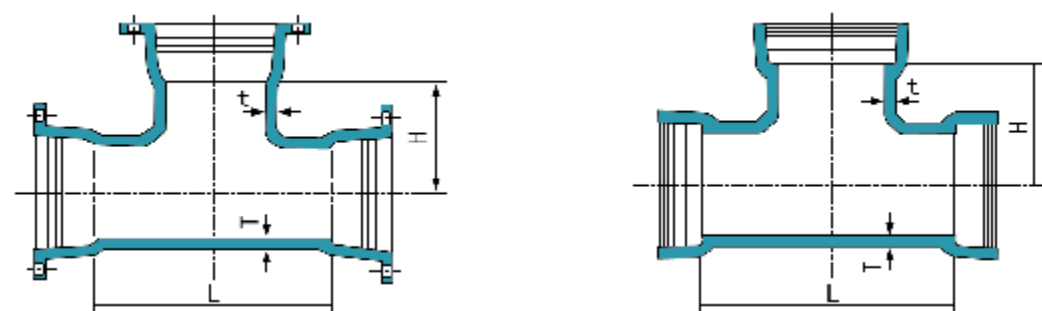


| DN   | T    | L   | S   | Mass(kg)         |      |                  |      |
|------|------|-----|-----|------------------|------|------------------|------|
|      |      |     |     | Double-socket 双承 |      | Socket-spigot 承插 |      |
|      |      |     |     | T                | K    | T                | K    |
| 80   | 7    | 30  | 180 | 7.1              | 10.5 | 7.4              | 8.5  |
| 100  | 7.2  | 30  | 180 | 8.9              | 13.1 | 9.4              | 11.7 |
| 125  | 7.5  | 35  | 180 | 11.9             | 17   | 10.6             | 13.2 |
| 150  | 7.8  | 35  | 180 | 14.8             | 17.3 | 16               | 15.7 |
| 200  | 8.4  | 40  | 180 | 22               | 26.4 | 23.2             | 25.4 |
| 250  | 9    | 50  | 180 | 30.5             | 33.3 | 32.2             | 33.6 |
| 300  | 9.6  | 55  | 180 | 40.5             | 51.3 | 42.2             | 47.6 |
| 350  | 10.2 | 60  | 180 | 52               | 62.4 | 53.3             | 58.5 |
| 400  | 10.8 | 65  | 180 | 65               | 79.5 | 70.5             | 75.7 |
| 450  | 11.4 | 70  | 200 | 83.5             | 93.5 | 97               | 101  |
| 500  | 12   | 75  | 200 | 96               | 108  | 102              | 104  |
| 600  | 13.2 | 85  | 200 | 134              | 141  | 138              | 136  |
| 700  | 14.4 | 95  | 250 | 181              | 187  | 186              | 181  |
| 800  | 15.6 | 110 | 250 | 239              | 234  | 240              | 234  |
| 900  | 16.8 | 120 | 250 | 305              | 297  | 284              | 280  |
| 1000 | 18   | 130 | 300 | 381              | 375  | 354              | 360  |
| 1100 | 19.2 | 140 | 300 | 525              | 495  | 484              | 475  |
| 1200 | 20.4 | 150 | 300 | 568              | 524  | 512              | 510  |
| 1400 | 22.8 | 130 | 300 | 747              | 721  | 705              | 715  |
| 1500 | 24   | 140 | 300 | 908              | 827  | 882              | 870  |
| 1600 | 25.2 | 140 | 360 | 1007             | 1007 | 962              | 962  |
| 1800 | 27.6 | 155 | 360 | 1331             | 1331 | 1247             | 1247 |
| 2000 | 30   | 165 | 400 | 1702             | 1702 | 1620             | 1620 |
| 2200 | 32.4 | 190 | 400 | 2183             | 2183 | 2046             | 2046 |
| 2400 | 34.8 | 205 | 400 | 2709             | 2991 | 2501             | 2642 |
| 2600 | 37.2 | 215 | 400 | 3290             | 3531 | 2995             | 3115 |



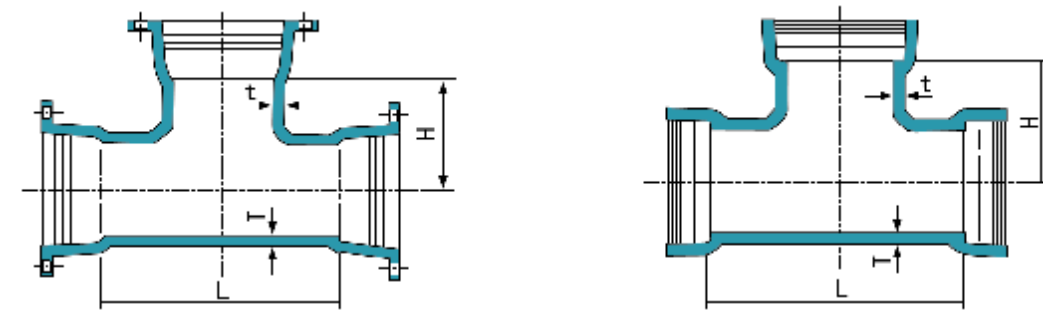
All-socket tee 全承三通

| 主管<br>DN | 支管<br>dn | T    | L   | t    | H   | Mass(kg) |      |
|----------|----------|------|-----|------|-----|----------|------|
|          |          |      |     |      |     | T        | K    |
| 80       | 80       | 7    | 170 | 7    | 85  | 12.4     | 17.7 |
| 100      | 80       | 7.2  | 170 | 7    | 95  | 14.8     | 21.5 |
|          | 100      |      | 190 | 7.2  | 95  | 16.1     | 23.2 |
| 125      | 125      | 7.5  | 225 | 7.5  | 110 | 22       | 30.4 |
| 150      | 80       | 7.8  | 170 | 7    | 120 | 21.5     | 29.2 |
|          | 100      |      | 195 | 7.2  | 120 | 23.5     | 31   |
|          | 150      |      | 255 | 7.8  | 125 | 28       | 36.5 |
| 200      | 80       | 8.4  | 175 | 7    | 145 | 30       | 37.9 |
|          | 100      |      | 200 | 7.2  | 145 | 32       | 38.8 |
|          | 150      |      | 255 | 7.8  | 150 | 37       | 45   |
|          | 200      |      | 315 | 8.4  | 155 | 43       | 49.6 |
| 250      | 80       | 9    | 175 | 7    | 160 | 40       | 48.3 |
|          | 100      |      | 200 | 7.2  | 170 | 42.7     | 47.9 |
|          | 150      |      | 260 | 7.8  | 175 | 51.1     | 56.4 |
|          | 200      |      | 315 | 8.4  | 180 | 55.9     | 60.9 |
|          | 250      |      | 375 | 9    | 190 | 67.1     | 67.4 |
| 300      | 80       | 9.6  | 180 | 7    | 190 | 51.5     | 61.1 |
|          | 100      |      | 205 | 7.2  | 195 | 54.2     | 67.4 |
|          | 150      |      | 260 | 7.8  | 200 | 64.3     | 77.6 |
|          | 200      |      | 320 | 8.4  | 205 | 69.9     | 82.9 |
|          | 250      |      | 375 | 9    | 210 | 79.9     | 92.1 |
| 350      | 300      | 10.2 | 435 | 9.6  | 220 | 86.2     | 102  |
|          | 80       |      | 180 | 7    | 215 | 63.6     | 72.6 |
|          | 100      |      | 210 | 7.2  | 225 | 67.2     | 80   |
|          | 150      |      | 260 | 7.8  | 230 | 79.6     | 92.6 |
|          | 200      |      | 320 | 8.4  | 235 | 84.9     | 97.5 |
|          | 250      |      | 380 | 9    | 240 | 96.9     | 109  |
| 400      | 300      | 10.8 | 440 | 9.6  | 245 | 106      | 122  |
|          | 350      |      | 495 | 10.2 | 250 | 116      | 131  |
|          | 80       |      | 185 | 7    | 240 | 76.1     | 72.5 |
|          | 100      |      | 210 | 7.2  | 245 | 82.2     | 95   |
|          | 150      |      | 270 | 7.8  | 250 | 96.7     | 110  |
|          | 200      |      | 325 | 8.4  | 255 | 102      | 115  |
|          | 250      |      | 380 | 9    | 260 | 116      | 128  |
| 450      | 300      | 11.4 | 440 | 9.6  | 270 | 126      | 142  |
|          | 350      |      | 500 | 10.2 | 275 | 137      | 152  |
|          | 400      |      | 555 | 10.8 | 280 | 150      | 166  |
|          | 80       |      | 185 | 7    | 265 | 101      | 101  |
|          | 100      |      | 215 | 7.2  | 270 | 106      | 116  |



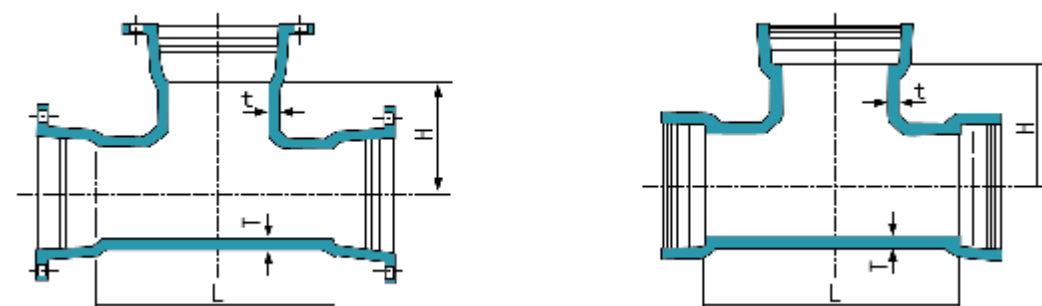
All-Socket tee 全承三通

| 主管<br>DN | 支管<br>dn | T    | L   | t    | H   | Mass(kg) |     |
|----------|----------|------|-----|------|-----|----------|-----|
|          |          |      |     |      |     | T        | K   |
| 450      | 150      | 11.4 | 270 | 7.8  | 275 | 116      | 126 |
|          | 200      |      | 330 | 8.4  | 285 | 127      | 137 |
|          | 250      |      | 390 | 9    | 290 | 138      | 147 |
|          | 300      |      | 445 | 9.6  | 295 | 149      | 163 |
|          | 350      |      | 505 | 10.2 | 300 | 161      | 175 |
|          | 400      |      | 560 | 10.8 | 305 | 173      | 186 |
|          | 450      |      | 620 | 11.4 | 310 | 186      | 198 |
|          | 80       |      | 195 | 7    | 290 | 110      | 113 |
| 500      | 100      | 12   | 215 | 7.2  | 295 | 115      | 123 |
|          | 150      |      | 270 | 7.8  | 300 | 137      | 145 |
|          | 200      |      | 330 | 8.4  | 310 | 141      | 149 |
|          | 250      |      | 390 | 9    | 315 | 161      | 168 |
|          | 300      |      | 450 | 9.6  | 320 | 174      | 185 |
|          | 350      |      | 505 | 10.2 | 325 | 187      | 198 |
|          | 400      |      | 565 | 10.8 | 330 | 199      | 210 |
|          | 450      |      | 620 | 11.4 | 335 | 214      | 224 |
| 600      | 500      | 13.2 | 680 | 12   | 340 | 234      | 242 |
|          | 80       |      | 195 | 7    | 340 | 165      | 163 |
|          | 100      |      | 220 | 7.2  | 345 | 169      | 168 |
|          | 150      |      | 280 | 7.8  | 350 | 185      | 184 |
|          | 200      |      | 340 | 8.4  | 360 | 188      | 187 |
|          | 250      |      | 395 | 9    | 365 | 215      | 213 |
|          | 300      |      | 455 | 9.6  | 370 | 231      | 233 |
|          | 350      |      | 510 | 10.2 | 375 | 246      | 248 |
| 700      | 400      | 14.4 | 570 | 10.8 | 380 | 258      | 260 |
|          | 450      |      | 630 | 11.4 | 380 | 280      | 281 |
|          | 500      |      | 685 | 12   | 390 | 296      | 296 |
|          | 600      |      | 800 | 13.2 | 400 | 343      | 338 |
|          | 100      |      | 230 | 7.2  | 395 | 224      | 215 |
|          | 150      |      | 285 | 7.8  | 400 | 241      | 232 |
|          | 200      |      | 345 | 8.4  | 405 | 259      | 250 |
|          | 300      |      | 460 | 9.6  | 420 | 297      | 290 |
| 800      | 400      | 15.6 | 575 | 10.8 | 430 | 337      | 329 |
|          | 500      |      | 690 | 12   | 440 | 380      | 370 |
|          | 600      |      | 810 | 13.2 | 450 | 430      | 416 |
|          | 700      |      | 925 | 14.4 | 460 | 486      | 470 |
|          | 100      |      | 235 | 7.2  | 445 | 287      | 264 |
|          | 150      |      | 280 | 7.8  | 450 | 307      | 284 |
|          | 200      |      | 350 | 8.4  | 455 | 330      | 305 |



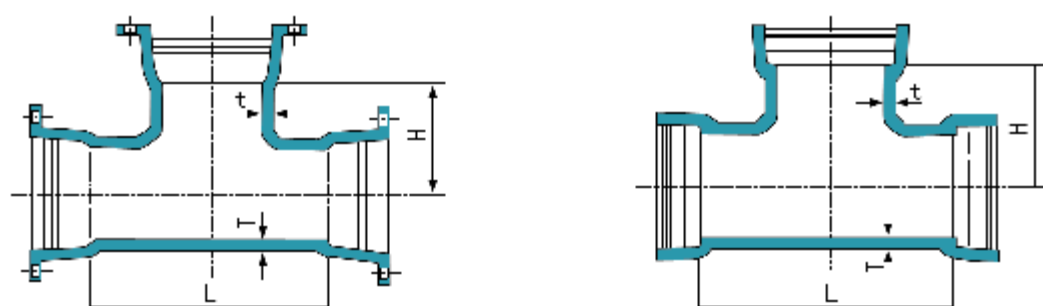
All-Socket tee 全承三通

| 主管<br>DN | 支管<br>dn | T    | L    | t    | H   | Mass(kg) |      |
|----------|----------|------|------|------|-----|----------|------|
|          |          |      |      |      |     | T        | K    |
| 800      | 300      | 15.6 | 465  | 9.6  | 470 | 374      | 353  |
|          | 400      |      | 580  | 10.8 | 480 | 420      | 398  |
|          | 500      |      | 700  | 12   | 490 | 472      | 447  |
|          | 600      |      | 815  | 13.2 | 500 | 526      | 497  |
|          | 700      |      | 930  | 14.4 | 510 | 586      | 556  |
|          | 800      |      | 1045 | 15.6 | 525 | 655      | 618  |
|          | 100      |      | 240  | 7.2  | 495 | 360      | 333  |
|          | 150      |      | 300  | 7.8  | 500 | 386      | 359  |
| 900      | 200      | 16.8 | 355  | 8.4  | 505 | 410      | 382  |
|          | 300      |      | 470  | 9.6  | 520 | 462      | 438  |
|          | 400      |      | 590  | 10.8 | 530 | 518      | 491  |
|          | 500      |      | 705  | 12   | 540 | 574      | 546  |
|          | 600      |      | 820  | 13.2 | 550 | 635      | 602  |
|          | 700      |      | 935  | 14.4 | 560 | 700      | 667  |
|          | 800      |      | 1050 | 15.6 | 575 | 774      | 733  |
|          | 900      |      | 1170 | 16.8 | 585 | 858      | 815  |
| 1000     | 100      | 18   | 245  | 7.2  | 545 | 443      | 445  |
|          | 150      |      | 305  | 7.8  | 550 | 474      | 475  |
|          | 200      |      | 360  | 8.4  | 555 | 502      | 503  |
|          | 300      |      | 480  | 9.6  | 570 | 564      | 568  |
|          | 400      |      | 595  | 10.8 | 580 | 626      | 628  |
|          | 500      |      | 710  | 12   | 590 | 690      | 690  |
|          | 600      |      | 825  | 13.2 | 600 | 758      | 754  |
|          | 700      |      | 940  | 14.4 | 610 | 831      | 825  |
| 1200     | 800      | 20.4 | 1060 | 15.6 | 625 | 913      | 901  |
|          | 900      |      | 1175 | 16.8 | 635 | 1000     | 985  |
|          | 1000     |      | 1290 | 18   | 645 | 1096     | 1052 |
|          | 100      |      | 260  | 7.2  | 645 | 648      | 649  |
|          | 150      |      | 315  | 7.8  | 650 | 685      | 686  |
|          | 200      |      | 375  | 8.4  | 655 | 725      | 726  |
|          | 300      |      | 490  | 9.6  | 670 | 816      | 819  |
|          | 400      |      | 605  | 10.8 | 680 | 884      | 886  |
|          | 500      | 20.4 | 720  | 12   | 690 | 966      | 966  |
|          | 600      |      | 840  | 13.2 | 700 | 1054     | 1050 |
|          | 700      |      | 955  | 14.4 | 710 | 1143     | 1138 |
|          | 800      |      | 1070 | 15.6 | 725 | 1239     | 1226 |
|          | 900      |      | 1185 | 16.8 | 735 | 1339     | 1325 |
|          | 1000     |      | 1300 | 18   | 745 | 1447     | 1447 |
|          | 1200     |      | 1535 | 20.4 | 765 | 1697     | 1697 |



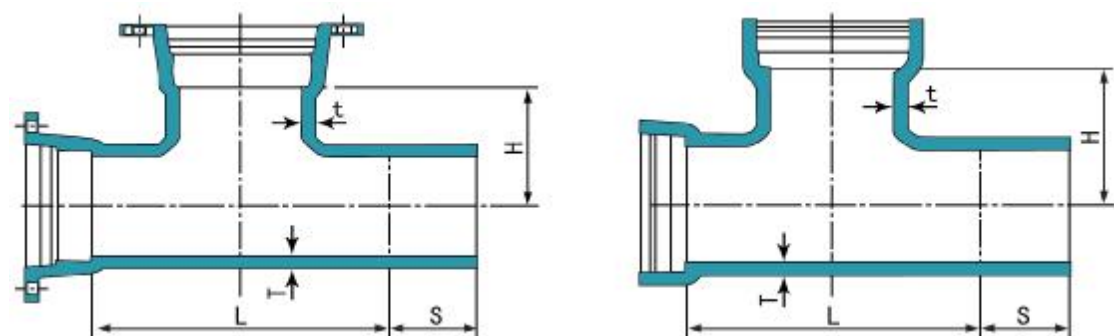
All-Socket tee 全承三通

| 主管<br>DN | 支管<br>dn | T    | L    | t    | H    | Mass(kg) |      |
|----------|----------|------|------|------|------|----------|------|
|          |          |      |      |      |      | T        | K    |
| 1400     | 100      | 22.8 | 270  | 7.2  | 745  | 790      | 792  |
|          | 200      |      | 385  | 8.4  | 755  | 890      | 891  |
|          | 400      |      | 620  | 10.8 | 780  | 1096     | 1098 |
|          | 600      |      | 850  | 13.2 | 800  | 1304     | 1300 |
|          | 800      |      | 1080 | 15.6 | 825  | 1527     | 1514 |
|          | 1000     |      | 1315 | 18   | 845  | 1774     | 1774 |
|          | 1200     |      | 1545 | 20.4 | 865  | 2049     | 2049 |
|          | 1400     |      | 1780 | 22.8 | 890  | 2323     | 2323 |
| 1600     | 100      | 25.2 | 280  | 7.2  | 845  |          | 1054 |
|          | 200      |      | 400  | 8.4  | 855  |          | 1183 |
|          | 400      |      | 630  | 10.8 | 880  |          | 1435 |
|          | 600      |      | 860  | 13.2 | 900  |          | 1684 |
|          | 800      |      | 1095 | 15.6 | 925  |          | 1948 |
|          | 1000     |      | 1325 | 18   | 945  |          | 2246 |
|          | 1200     |      | 1560 | 20.4 | 965  |          | 2564 |
|          | 1400     |      | 1790 | 22.8 | 990  |          | 2863 |
| 1800     | 1600     |      | 2020 | 25.2 | 1010 |          | 3246 |
|          | 100      | 27.6 | 295  | 7.2  | 945  |          | 1373 |
|          | 200      |      | 410  | 8.4  | 955  |          | 1525 |
|          | 400      |      | 640  | 10.8 | 980  |          | 1831 |
|          | 600      |      | 875  | 13.2 | 1000 |          | 2139 |
|          | 700      |      | 990  | 14.4 | 1010 |          | 2295 |
|          | 800      |      | 1105 | 15.6 | 1025 |          | 2450 |
|          | 900      |      | 1220 | 16.8 | 1035 |          | 2612 |
| 2000     | 1000     |      | 1340 | 18   | 1045 |          | 2805 |
|          | 1200     |      | 1570 | 20.4 | 1065 |          | 3162 |
|          | 1400     |      | 1800 | 22.8 | 1090 |          | 3503 |
|          | 1600     |      | 2035 | 25.2 | 1110 |          | 3923 |
|          | 1800     |      | 2265 | 27.6 | 1135 |          | 4400 |
|          | 200      | 30   | 420  | 8.4  | 1055 |          | 1924 |
|          | 400      |      | 655  | 10.8 | 1080 |          | 2299 |
|          | 600      |      | 885  | 13.2 | 1100 |          | 2660 |
|          | 800      |      | 1120 | 15.6 | 1125 |          | 3035 |
|          | 1000     |      | 1350 | 18   | 1145 |          | 3437 |
|          | 1200     |      | 1580 | 20.4 | 1165 |          | 3846 |
|          | 1400     |      | 1815 | 22.8 | 1190 |          | 4244 |
|          | 1600     |      | 2045 | 25.2 | 1210 |          | 4695 |
|          | 1800     |      | 2280 | 27.6 | 1235 |          | 5218 |
|          | 2000     |      | 2510 | 30   | 1255 |          | 5787 |



All-Socket tee 全承三通

| 主管<br>DN | 支管<br>dn | T    | L    | t    | H    | Mass(kg) |       |
|----------|----------|------|------|------|------|----------|-------|
|          |          |      |      |      |      | T        | K     |
| 2200     | 600      | 32.4 | 900  | 13.2 | 1200 |          | 3262  |
|          | 800      |      | 1130 | 15.6 | 1225 |          | 3730  |
|          | 1000     |      | 1360 | 18   | 1245 |          | 4220  |
|          | 1200     |      | 1595 | 20.4 | 1265 |          | 4597  |
|          | 1400     |      | 1825 | 22.8 | 1290 |          | 5095  |
|          | 1600     |      | 2060 | 25.2 | 1310 |          | 5449  |
|          | 1800     |      | 2290 | 27.6 | 1335 |          | 6153  |
|          | 2000     |      | 2520 | 30   | 1355 |          | 6835  |
| 2400     | 2200     |      | 2755 | 32.4 | 1375 |          | 7457  |
|          | 600      | 34.8 | 910  | 13.2 | 1300 |          | 4100  |
|          | 800      |      | 1140 | 15.6 | 1320 |          | 4486  |
|          | 1000     |      | 1375 | 18   | 1345 |          | 5018  |
|          | 1200     |      | 1605 | 20.4 | 1365 |          | 5539  |
|          | 1400     |      | 1840 | 22.8 | 1390 |          | 6102  |
|          | 1600     |      | 2070 | 25.2 | 1410 |          | 6662  |
|          | 1800     |      | 2300 | 27.6 | 1435 |          | 7263  |
| 2600     | 2000     |      | 2535 | 30   | 1455 |          | 7900  |
|          | 2200     |      | 2765 | 32.4 | 1475 |          | 8558  |
|          | 2400     |      | 3000 | 34.8 | 1500 |          | 9297  |
|          | 600      | 37.2 | 920  | 13.2 | 1400 |          | 5100  |
|          | 800      |      | 1155 | 15.6 | 1425 |          | 5463  |
|          | 1000     |      | 1385 | 18   | 1445 |          | 6060  |
|          | 1200     |      | 1620 | 20.4 | 1465 |          | 6670  |
|          | 1400     |      | 1850 | 22.8 | 1490 |          | 7296  |
|          | 1600     |      | 2080 | 25.2 | 1510 |          | 7927  |
|          | 1800     |      | 2315 | 27.6 | 1535 |          | 8609  |
|          | 2000     |      | 2545 | 30   | 1555 |          | 9301  |
|          | 2200     |      | 2780 | 32.4 | 1575 |          | 10034 |
|          | 2400     |      | 3010 | 34.8 | 1600 |          | 10814 |
|          | 2600     |      | 3240 | 37.2 | 1620 |          | 11748 |



Socket-spigot tee with socket branch

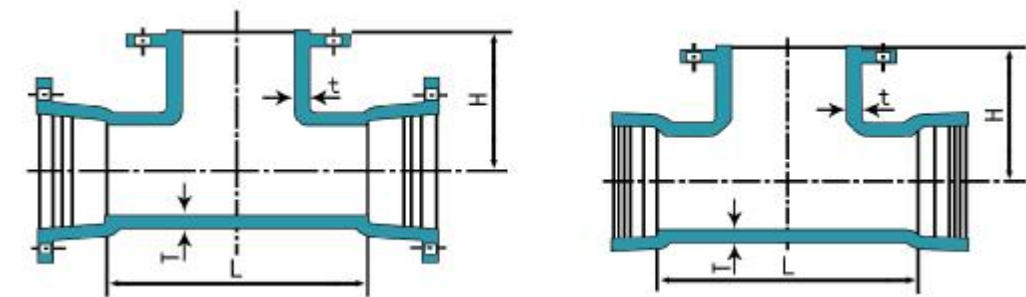
承插三通

| DN × dn   | T    | L   | t    | H   | S   | T 型  | K 型  |
|-----------|------|-----|------|-----|-----|------|------|
| 80 × 80   | 7    | 85  | 7    | 85  | 180 | 13.1 | 16   |
| 100 × 80  | 7.2  | 85  | 7    | 95  | 180 | 15.6 | 18.8 |
| 100 × 100 | 7.2  | 92  | 7.2  | 95  | 180 | 16.9 | 21.7 |
| 150 × 80  | 7.8  | 85  | 7    | 120 | 180 | 22.6 | 27   |
| 150 × 100 | 7.8  | 100 | 7.2  | 120 | 180 | 24.6 | 29.5 |
| 150 × 150 | 7.8  | 130 | 7.8  | 125 | 180 | 28.9 | 34   |
| 200 × 80  | 8.4  | 90  | 7    | 145 | 180 | 31.4 | 35.2 |
| 200 × 100 | 8.4  | 100 | 7.2  | 145 | 180 | 33.2 | 37.8 |
| 200 × 150 | 8.4  | 130 | 7.8  | 150 | 180 | 38.2 | 42.9 |
| 200 × 200 | 8.4  | 160 | 8.4  | 155 | 180 | 44   | 48.4 |
| 250 × 80  | 9    | 90  | 7    | 160 | 180 | 41.3 | 42   |
| 250 × 100 | 9    | 100 | 7.2  | 170 | 180 | 43.8 | 47.6 |
| 250 × 150 | 9    | 130 | 7.8  | 175 | 180 | 51.9 | 55.8 |
| 250 × 200 | 9    | 160 | 8.4  | 180 | 180 | 56.7 | 60.3 |
| 250 × 250 | 9    | 190 | 9    | 190 | 180 | 64   | 66.8 |
| 300 × 80  | 9.6  | 90  | 7    | 190 | 180 | 51.7 | 57   |
| 300 × 100 | 9.6  | 100 | 7.2  | 195 | 180 | 57.5 | 65.3 |
| 300 × 150 | 9.6  | 130 | 7.8  | 200 | 180 | 67.1 | 75.1 |
| 300 × 200 | 9.6  | 160 | 8.4  | 205 | 180 | 72.3 | 79.9 |
| 300 × 250 | 9.6  | 190 | 9    | 210 | 180 | 82.7 | 89.5 |
| 300 × 300 | 9.6  | 220 | 9.6  | 220 | 180 | 89.1 | 100  |
| 350 × 80  | 10.2 | 90  | 7    | 215 | 180 | 66.8 | 72   |
| 350 × 100 | 10.2 | 100 | 7.2  | 220 | 180 | 69.9 | 77.5 |
| 350 × 150 | 10.2 | 135 | 7.8  | 225 | 180 | 81.8 | 89.5 |
| 350 × 200 | 10.2 | 160 | 8.4  | 230 | 180 | 87.1 | 94.5 |
| 350 × 250 | 10.2 | 190 | 9    | 240 | 180 | 99.1 | 106  |
| 350 × 300 | 10.2 | 220 | 9.6  | 245 | 180 | 109  | 120  |
| 350 × 350 | 10.2 | 250 | 10.2 | 250 | 180 | 118  | 129  |
| 400 × 80  | 10.8 | 100 | 7    | 240 | 180 | 78.7 | 83   |
| 400 × 100 | 10.8 | 105 | 7.2  | 245 | 180 | 84.2 | 91.8 |
| 400 × 150 | 10.8 | 135 | 7.8  | 250 | 180 | 98.7 | 106  |
| 400 × 200 | 10.8 | 165 | 8.4  | 255 | 180 | 103  | 110  |
| 400 × 250 | 10.8 | 195 | 9    | 260 | 180 | 118  | 125  |
| 400 × 300 | 10.8 | 220 | 9.6  | 270 | 180 | 128  | 138  |

| DN × dn   | T    | L   | t    | H   | S   | T 型 | K 型 |
|-----------|------|-----|------|-----|-----|-----|-----|
| 400 × 350 | 10.8 | 250 | 10.2 | 275 | 180 | 139 | 149 |
| 400 × 400 | 10.8 | 280 | 10.9 | 280 | 180 | 152 | 163 |
| 450 × 80  | 11.4 | 100 | 7    | 265 | 200 | 103 | 107 |
| 450 × 100 | 11.4 | 105 | 7.2  | 270 | 200 | 107 | 114 |
| 450 × 150 | 11.4 | 135 | 7.8  | 275 | 200 | 116 | 123 |
| 400 × 200 | 11.4 | 165 | 8.4  | 285 | 200 | 127 | 133 |
| 450 × 250 | 11.4 | 195 | 9    | 290 | 200 | 138 | 144 |
| 450 × 300 | 11.4 | 225 | 9.6  | 295 | 200 | 150 | 159 |
| 450 × 350 | 11.4 | 255 | 10.2 | 300 | 200 | 162 | 171 |
| 450 × 400 | 11.4 | 285 | 10.8 | 305 | 200 | 172 | 181 |
| 450 × 450 | 11.4 | 310 | 11.4 | 310 | 200 | 185 | 193 |
| 500 × 80  | 12   | 100 | 7    | 290 | 200 | 111 | 115 |
| 500 × 100 | 12   | 110 | 7.2  | 295 | 200 | 115 | 120 |
| 500 × 150 | 12   | 135 | 7.8  | 300 | 200 | 136 | 141 |
| 500 × 200 | 12   | 165 | 8.4  | 310 | 200 | 140 | 145 |
| 500 × 250 | 12   | 195 | 9    | 315 | 200 | 161 | 165 |
| 500 × 300 | 12   | 225 | 9.6  | 320 | 200 | 174 | 182 |
| 500 × 350 | 12   | 255 | 10.2 | 325 | 200 | 186 | 194 |
| 500 × 400 | 12   | 285 | 10.8 | 330 | 200 | 199 | 207 |
| 500 × 450 | 12   | 310 | 11.4 | 335 | 200 | 212 | 238 |
| 500 × 500 | 12   | 340 | 12   | 340 | 200 | 231 | 237 |
| 600 × 80  | 13.2 | 100 | 7    | 340 | 200 | 161 | 161 |
| 600 × 100 | 13.2 | 110 | 7.2  | 345 | 200 | 165 | 166 |
| 600 × 150 | 13.2 | 140 | 7.8  | 350 | 200 | 180 | 180 |
| 600 × 200 | 13.2 | 170 | 8.4  | 360 | 200 | 183 | 183 |
| 600 × 250 | 13.2 | 200 | 9    | 365 | 200 | 210 | 210 |
| 600 × 300 | 13.2 | 230 | 9.6  | 370 | 200 | 227 | 234 |
| 600 × 350 | 13.2 | 255 | 10.2 | 375 | 200 | 241 | 245 |
| 600 × 400 | 13.2 | 285 | 10.8 | 380 | 200 | 252 | 256 |
| 600 × 450 | 13.2 | 315 | 11.4 | 380 | 200 | 274 | 277 |
| 600 × 500 | 13.2 | 345 | 12   | 390 | 200 | 289 | 289 |
| 600 × 600 | 13.2 | 400 | 13.2 | 400 | 200 | 334 | 332 |
| 700 × 100 | 14.4 | 110 | 7.2  | 395 | 250 | 224 | 215 |
| 700 × 150 | 14.4 | 140 | 7.8  | 400 | 250 | 241 | 232 |
| 700 × 200 | 14.4 | 170 | 8.4  | 405 | 250 | 259 | 250 |
| 700 × 250 | 14.4 | 200 | 9    | 410 | 250 | 277 | 267 |
| 700 × 300 | 14.4 | 230 | 9.6  | 420 | 250 | 297 | 290 |
| 700 × 350 | 14.4 | 260 | 10.2 | 425 | 250 | 317 | 310 |
| 700 × 400 | 14.4 | 290 | 10.8 | 430 | 250 | 337 | 329 |
| 700 × 450 | 14.4 | 315 | 11.4 | 435 | 250 | 361 | 350 |
| 700 × 500 | 14.4 | 345 | 12   | 440 | 250 | 380 | 370 |
| 700 × 600 | 14.4 | 405 | 13.2 | 450 | 250 | 430 | 416 |
| 700 × 700 | 14.4 | 465 | 14.4 | 460 | 250 | 486 | 470 |
| 800 × 100 | 15.6 | 110 | 7.2  | 445 | 250 | 287 | 264 |
| 800 × 150 | 15.6 | 140 | 7.8  | 450 | 250 | 307 | 284 |

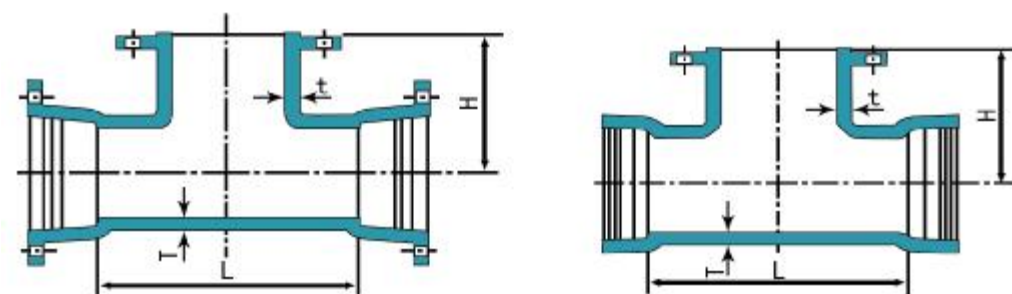
| DN × dn     | T    | L   | t    | H   | S   | T 型  | K 型  |
|-------------|------|-----|------|-----|-----|------|------|
| 800 × 200   | 15.6 | 170 | 8.4  | 455 | 250 | 330  | 305  |
| 800 × 250   | 15.6 | 200 | 9    | 460 | 250 | 352  | 328  |
| 800 × 300   | 15.6 | 230 | 9.6  | 470 | 250 | 374  | 353  |
| 800 × 350   | 15.6 | 260 | 10.2 | 475 | 250 | 398  | 376  |
| 800 × 400   | 15.6 | 290 | 10.8 | 480 | 250 | 420  | 398  |
| 800 × 450   | 15.6 | 320 | 11.4 | 485 | 250 | 448  | 422  |
| 800 × 500   | 15.6 | 350 | 12   | 490 | 250 | 472  | 447  |
| 800 × 600   | 15.6 | 410 | 13.2 | 500 | 250 | 526  | 497  |
| 800 × 700   | 15.6 | 465 | 14.4 | 510 | 250 | 586  | 556  |
| 800 × 800   | 15.6 | 525 | 15.6 | 525 | 250 | 655  | 618  |
| 900 × 100   | 16.8 | 115 | 7.2  | 495 | 250 | 360  | 333  |
| 900 × 150   | 16.8 | 145 | 7.8  | 500 | 250 | 386  | 359  |
| 900 × 200   | 16.8 | 175 | 8.4  | 505 | 250 | 410  | 382  |
| 900 × 250   | 16.8 | 205 | 9    | 510 | 250 | 437  | 408  |
| 900 × 300   | 16.8 | 235 | 9.6  | 520 | 250 | 462  | 438  |
| 900 × 350   | 16.8 | 265 | 10.2 | 525 | 250 | 490  | 464  |
| 900 × 400   | 16.8 | 295 | 10.8 | 530 | 250 | 518  | 491  |
| 900 × 450   | 16.8 | 325 | 11.4 | 535 | 250 | 547  | 518  |
| 900 × 500   | 16.8 | 350 | 12   | 540 | 250 | 574  | 546  |
| 900 × 600   | 16.8 | 410 | 13.2 | 550 | 250 | 635  | 602  |
| 900 × 700   | 16.8 | 470 | 14.4 | 560 | 250 | 700  | 667  |
| 900 × 800   | 16.8 | 525 | 15.6 | 575 | 250 | 774  | 733  |
| 900 × 900   | 16.8 | 585 | 16.8 | 585 | 250 | 858  | 815  |
| 1000 × 100  | 18   | 115 | 7.2  | 545 | 300 | 443  | 445  |
| 1000 × 150  | 18   | 145 | 7.8  | 550 | 300 | 474  | 475  |
| 1000 × 200  | 18   | 175 | 8.4  | 555 | 300 | 502  | 503  |
| 1000 × 250  | 18   | 205 | 9    | 560 | 300 | 533  | 533  |
| 1000 × 300  | 18   | 235 | 9.6  | 570 | 300 | 564  | 568  |
| 1000 × 350  | 18   | 265 | 10.2 | 575 | 300 | 594  | 597  |
| 1000 × 400  | 18   | 295 | 10.8 | 580 | 300 | 626  | 628  |
| 1000 × 450  | 18   | 325 | 11.4 | 585 | 300 | 659  | 658  |
| 1000 × 500  | 18   | 355 | 12   | 590 | 300 | 690  | 690  |
| 1000 × 600  | 18   | 415 | 13.2 | 600 | 300 | 758  | 754  |
| 1000 × 700  | 18   | 470 | 14.4 | 610 | 300 | 831  | 825  |
| 1000 × 800  | 18   | 530 | 15.6 | 625 | 300 | 913  | 901  |
| 1000 × 900  | 18   | 585 | 16.8 | 635 | 300 | 1000 | 985  |
| 1000 × 1000 | 18   | 645 | 18   | 645 | 300 | 1096 | 1096 |
| 1200 × 100  | 20.4 | 120 | 7.2  | 645 | 300 | 648  | 649  |
| 1200 × 150  | 20.4 | 150 | 7.8  | 650 | 300 | 685  | 686  |
| 1200 × 200  | 20.4 | 180 | 8.4  | 655 | 300 | 725  | 726  |
| 1200 × 250  | 20.4 | 210 | 9    | 660 | 300 | 766  | 766  |
| 1200 × 300  | 20.4 | 240 | 9.6  | 670 | 300 | 816  | 819  |
| 1200 × 350  | 20.4 | 270 | 10.2 | 675 | 300 | 845  | 849  |
| 1200 × 400  | 20.4 | 300 | 10.8 | 680 | 300 | 884  | 886  |
| 1200 × 450  | 20.4 | 330 | 11.4 | 685 | 300 | 929  | 928  |

| DN × dn     | T    | L    | t    | H    | S   | T 型  | K 型  |
|-------------|------|------|------|------|-----|------|------|
| 1200 × 500  | 20.4 | 360  | 12   | 690  | 300 | 966  | 996  |
| 1200 × 600  | 20.4 | 420  | 13.2 | 700  | 300 | 1054 | 1050 |
| 1200 × 700  | 20.4 | 475  | 14.4 | 710  | 300 | 1143 | 1138 |
| 1200 × 800  | 20.4 | 535  | 15.6 | 725  | 300 | 1239 | 1226 |
| 1200 × 900  | 20.4 | 595  | 16.8 | 735  | 300 | 1339 | 1325 |
| 1200 × 1000 | 20.4 | 650  | 18   | 745  | 300 | 1447 | 1447 |
| 1200 × 1200 | 20.4 | 770  | 20.4 | 770  | 300 | 1697 | 1697 |
| 1400 × 100  | 22.8 | 125  | 7.2  | 745  | 300 | 790  | 792  |
| 1400 × 150  | 22.8 | 155  | 7.8  | 750  | 300 | 842  | 844  |
| 1400 × 200  | 22.8 | 185  | 8.4  | 755  | 300 | 890  | 891  |
| 1400 × 250  | 22.8 | 215  | 9    | 760  | 300 | 942  | 942  |
| 1400 × 300  | 22.8 | 245  | 9.6  | 765  | 300 | 990  | 994  |
| 1400 × 350  | 22.8 | 275  | 10.2 | 775  | 300 | 1043 | 1046 |
| 1400 × 400  | 22.8 | 305  | 10.8 | 480  | 300 | 1096 | 1098 |
| 1400 × 450  | 22.8 | 330  | 11.4 | 485  | 300 | 1147 | 1146 |
| 1400 × 500  | 22.8 | 360  | 12   | 790  | 300 | 1198 | 1198 |
| 1400 × 600  | 22.8 | 420  | 13.2 | 800  | 300 | 1304 | 1330 |
| 1400 × 700  | 22.8 | 480  | 14.4 | 810  | 300 | 1412 | 1407 |
| 1400 × 800  | 22.8 | 540  | 15.6 | 825  | 300 | 1527 | 1514 |
| 1400 × 900  | 22.8 | 600  | 16.8 | 835  | 300 | 1649 | 1635 |
| 1400 × 1000 | 22.8 | 660  | 18   | 845  | 300 | 1774 | 1774 |
| 1400 × 1200 | 22.8 | 775  | 20.4 | 865  | 300 | 2049 | 2049 |
| 1400 × 1400 | 22.8 | 890  | 22.8 | 890  | 300 | 2323 | 2323 |
| 1600 × 100  | 25.2 | 125  | 7.2  | 845  | 300 |      | 1054 |
| 1600 × 150  | 25.2 | 155  | 7.8  | 850  | 300 |      | 1119 |
| 1600 × 200  | 25.2 | 185  | 8.4  | 855  | 300 |      | 1183 |
| 1600 × 250  | 25.2 | 215  | 9    | 860  | 300 |      | 1242 |
| 1600 × 300  | 25.2 | 245  | 9.6  | 865  | 300 |      | 1311 |
| 1600 × 350  | 25.2 | 275  | 10.2 | 875  | 300 |      | 1371 |
| 1600 × 400  | 25.2 | 305  | 10.8 | 880  | 300 |      | 1435 |
| 1600 × 450  | 25.2 | 330  | 11.4 | 885  | 300 |      | 1500 |
| 1600 × 500  | 25.2 | 360  | 12   | 890  | 300 |      | 1559 |
| 1600 × 600  | 25.2 | 420  | 13.2 | 900  | 300 |      | 1684 |
| 1600 × 700  | 25.2 | 480  | 14.4 | 910  | 300 |      | 1819 |
| 1600 × 800  | 25.2 | 540  | 15.6 | 925  | 300 |      | 1948 |
| 1600 × 900  | 25.2 | 600  | 16.8 | 935  | 300 |      | 2086 |
| 1600 × 1000 | 25.2 | 660  | 18   | 945  | 300 |      | 2246 |
| 1600 × 1200 | 25.2 | 775  | 20.4 | 965  | 300 |      | 2564 |
| 1600 × 1400 | 25.2 | 890  | 22.8 | 990  | 300 |      | 2863 |
| 1600 × 1600 | 25.2 | 1010 | 25.2 | 1010 | 300 |      | 3246 |
| 1800 × 100  | 27.6 | 125  | 7.2  | 945  | 300 |      | 1373 |
| 1800 × 150  | 27.6 | 155  | 7.8  | 950  | 300 |      | 1446 |
| 1800 × 200  | 27.6 | 185  | 8.4  | 955  | 300 |      | 1525 |
| 1800 × 250  | 27.6 | 215  | 9    | 960  | 300 |      | 1604 |
| 1800 × 300  | 27.6 | 245  | 9.6  | 965  | 300 |      | 1680 |

[illegible]

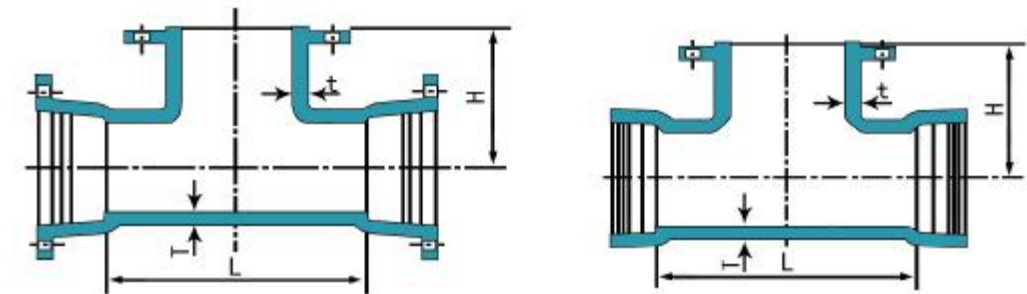
Double-socket tee with flanged branch 双承单支盘三通

| 主管  | 支管  | T    | L   | t    | H   | Mass(kg) |      |      |      |      |      |
|-----|-----|------|-----|------|-----|----------|------|------|------|------|------|
|     |     |      |     |      |     | T 型      |      |      | K 型  |      |      |
| DN  | dn  |      |     |      |     | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 80  | 80  | 7    | 170 | 7    | 165 | 13.5     | 13.5 | 13.5 | 17.7 | 17.7 | 17.7 |
| 100 | 80  | 7.2  | 170 | 7    | 175 | 15.8     | 15.8 | 15.8 | 20   | 20   | 20   |
|     | 100 |      | 190 | 7.2  | 180 | 17.2     | 17.2 | 17.2 | 22   | 22   | 22   |
| 150 | 80  | 7.8  | 170 | 7    | 205 | 23       | 23   | 23   | 28   | 28   | 28   |
|     | 100 |      | 195 | 7.2  | 210 | 24.5     | 24.5 | 25   | 29.5 | 29.5 | 29.5 |
|     | 150 |      | 255 | 7.8  | 220 | 29.5     | 29.5 | 30.5 | 34.5 | 34.5 | 34.5 |
| 200 | 80  | 8.4  | 175 | 7    | 235 | 31.5     | 31.5 | 31.5 | 36   | 36   | 36   |
|     | 100 |      | 200 | 7.2  | 240 | 33.5     | 33.5 | 34   | 38   | 38   | 38   |
|     | 150 |      | 255 | 7.8  | 250 | 39       | 39   | 40   | 43.4 | 43.4 | 43.4 |
|     | 200 |      | 315 | 8.4  | 260 | 45.6     | 46   | 47.5 | 50   | 50.4 | 52   |
| 250 | 80  | 9    | 180 | 7    | 265 | 44       | 44   | 44   | 46.6 | 45.6 | 45.6 |
|     | 100 |      | 200 | 7.2  | 270 | 43.5     | 43.5 | 44   | 46   | 46   | 46.5 |
|     | 150 |      | 260 | 7.8  | 280 | 56.6     | 56.6 | 57.6 | 59   | 59   | 60   |
|     | 200 |      | 315 | 8.4  | 290 | 57       | 57   | 59   | 60   | 60   | 62   |
|     | 250 |      | 375 | 9    | 300 | 65       | 66   | 69   | 67.6 | 68.6 | 71.6 |
| 300 | 80  | 9.6  | 180 | 7    | 295 | 54.5     | 54.5 | 54.5 | 64   | 64   | 64   |
|     | 100 |      | 205 | 7.2  | 300 | 55       | 55   | 56   | 66   | 66   | 67   |
|     | 150 |      | 260 | 7.8  | 310 | 68       | 68   | 69   | 79   | 79   | 80   |
|     | 200 |      | 320 | 8.4  | 320 | 71       | 70   | 73   | 82   | 80   | 84   |
|     | 250 |      | 375 | 9    | 330 | 83       | 81   | 85   | 94   | 91   | 96   |
|     | 300 |      | 435 | 9.6  | 340 | 89       | 91   | 95   | 100  | 102  | 106  |
| 350 | 100 | 10.2 | 205 | 7.2  | 330 | 68       | 68   | 68   | 78   | 78   | 78   |
|     | 150 |      | 260 | 7.8  | 340 | 82.3     | 81.3 | 83.3 | 93   | 93   | 94   |
|     | 200 |      | 325 | 8.4  | 350 | 86       | 86   | 88   | 96   | 96   | 98   |
|     | 250 |      | 380 | 9    | 360 | 103      | 104  | 108  | 114  | 115  | 120  |
|     | 300 |      | 440 | 9.6  | 370 | 113      | 113  | 118  | 118  | 118  | 123  |
|     | 350 |      | 495 | 10.2 | 380 | 117      | 120  | 129  | 127  | 130  | 139  |
| 400 | 100 | 10.8 | 210 | 7.2  | 360 | 83       | 83   | 83   | 93   | 93   | 93   |
|     | 150 |      | 270 | 7.8  | 370 | 98       | 98   | 98   | 108  | 108  | 108  |
|     | 200 |      | 325 | 8.4  | 380 | 103      | 102  | 104  | 113  | 113  | 114  |
|     | 250 |      | 385 | 9    | 390 | 119      | 118  | 122  | 127  | 128  | 132  |
|     | 300 |      | 440 | 9.6  | 400 | 131      | 131  | 137  | 141  | 141  | 147  |
|     | 350 |      | 500 | 10.2 | 410 | 143      | 146  | 153  | 153  | 156  | 163  |
|     | 400 |      | 560 | 10.8 | 420 | 150      | 156  | 167  | 160  | 166  | 167  |
| 450 | 100 | 11.4 | 215 | 7.2  | 390 | 107      | 107  | 108  | 115  | 115  | 116  |
|     | 150 |      | 270 | 7.8  | 400 | 119      | 119  | 120  | 127  | 127  | 128  |
|     | 200 |      | 330 | 8.4  | 410 | 130      | 129  | 132  | 138  | 138  | 140  |
|     | 250 |      | 390 | 9    | 420 | 141      | 140  | 144  | 149  | 149  | 153  |
|     | 300 |      | 445 | 9.6  | 430 | 154      | 154  | 160  | 162  | 162  | 168  |
|     | 350 |      | 505 | 10.2 | 440 | 166      | 169  | 178  | 174  | 177  | 186  |



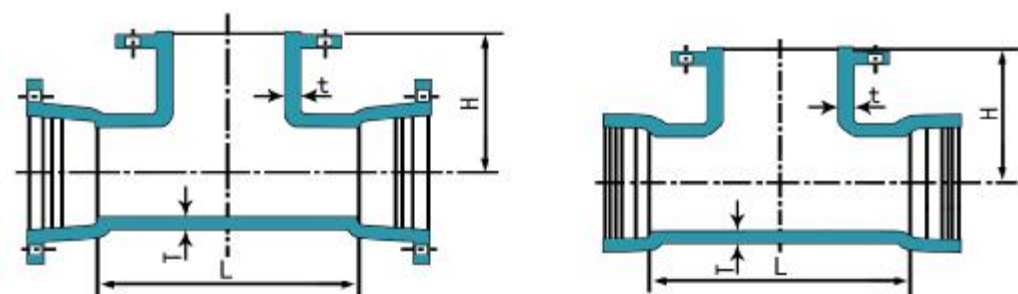
Double-socket tee with flanged branch 双承单支盘三通

| 主管<br>DN | 支管<br>dn | T    | L    | t    | H   | Mass(kg) |      |      |      |      |      |
|----------|----------|------|------|------|-----|----------|------|------|------|------|------|
|          |          |      |      |      |     | T 型      |      |      | K 型  |      |      |
|          |          |      |      |      |     | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 450      | 400      | 11.4 | 560  | 10.8 | 450 | 179      | 185  | 196  | 188  | 193  | 204  |
|          | 450      |      | 620  | 11.4 | 460 | 191      | 200  | 216  | 200  | 209  | 224  |
|          | 100      |      | 215  | 7.2  | 420 | 116      | 116  | 117  | 122  | 122  | 122  |
|          | 150      |      | 275  | 7.8  | 430 | 137      | 137  | 139  | 144  | 144  | 145  |
|          | 200      |      | 330  | 8.4  | 440 | 142      | 141  | 143  | 146  | 147  | 149  |
| 500      | 250      | 12   | 390  | 9    | 450 | 165      | 165  | 169  | 172  | 171  | 177  |
|          | 300      |      | 450  | 9.6  | 460 | 179      | 179  | 184  | 185  | 185  | 190  |
|          | 350      |      | 505  | 10.2 | 470 | 192      | 195  | 203  | 198  | 201  | 210  |
|          | 400      |      | 565  | 10.8 | 480 | 199      | 205  | 216  | 205  | 211  | 222  |
|          | 450      |      | 620  | 11.4 | 490 | 220      | 228  | 244  | 226  | 235  | 250  |
| 600      | 500      | 13.2 | 680  | 12   | 500 | 232      | 247  | 259  | 238  | 253  | 265  |
|          | 100      |      | 220  | 7.2  | 480 | 171      | 171  | 171  | 167  | 167  | 168  |
|          | 150      |      | 280  | 7.8  | 490 | 187      | 187  | 188  | 182  | 182  | 183  |
|          | 200      |      | 340  | 8.4  | 500 | 189      | 189  | 191  | 185  | 185  | 188  |
|          | 250      |      | 395  | 9    | 510 | 219      | 218  | 222  | 215  | 215  | 218  |
| 700      | 300      | 14.4 | 455  | 9.6  | 520 | 235      | 235  | 240  | 231  | 231  | 236  |
|          | 350      |      | 510  | 10.2 | 530 | 252      | 255  | 263  | 247  | 251  | 260  |
|          | 400      |      | 570  | 10.8 | 540 | 258      | 263  | 274  | 254  | 259  | 270  |
|          | 450      |      | 630  | 11.4 | 550 | 285      | 293  | 309  | 281  | 289  | 305  |
|          | 500      |      | 685  | 12   | 560 | 304      | 309  | 331  | 301  | 305  | 327  |
| 800      | 600      | 15.6 | 800  | 13.2 | 580 | 340      | 366  | 380  | 336  | 363  | 376  |
|          | 100      |      | 345  | 7.2  | 510 | 242      | 242  | 243  | 243  | 243  | 244  |
|          | 150      |      | 345  | 7.8  | 520 | 246      | 246  | 247  | 246  | 246  | 247  |
|          | 200      |      | 345  | 8.4  | 525 | 249      | 249  | 251  | 249  | 249  | 251  |
|          | 300      |      | 460  | 9.6  | 540 | 300      | 300  | 306  | 301  | 301  | 307  |
| 900      | 350      | 16.8 | 520  | 10.2 | 550 | 312      | 315  | 324  | 313  | 316  | 325  |
|          | 400      |      | 575  | 10.8 | 555 | 320      | 325  | 344  | 329  | 334  | 345  |
|          | 450      |      | 635  | 11.4 | 565 | 369      | 378  | 391  | 370  | 379  | 392  |
|          | 500      |      | 690  | 12   | 570 | 391      | 406  | 418  | 392  | 407  | 419  |
|          | 600      |      | 810  | 13.2 | 585 | 421      | 445  | 456  | 422  | 445  | 457  |
| 1000     | 700      | 18   | 925  | 14.4 | 600 | 460      | 475  | 525  | 476  | 488  | 525  |
|          | 100      |      | 350  | 7.2  | 570 | 304      | 304  | 305  | 295  | 295  | 295  |
|          | 150      |      | 350  | 7.8  | 580 | 308      | 308  | 309  | 298  | 298  | 299  |
|          | 200      |      | 350  | 8.4  | 585 | 306      | 306  | 308  | 302  | 301  | 303  |
|          | 250      |      | 410  | 9    | 595 | 351      | 351  | 355  | 342  | 341  | 346  |
| 1100     | 300      | 20.4 | 465  | 9.6  | 600 | 371      | 371  | 377  | 362  | 362  | 368  |
|          | 400      |      | 580  | 10.8 | 615 | 398      | 403  | 421  | 396  | 401  | 412  |
|          | 500      |      | 700  | 12   | 630 | 522      | 537  | 549  | 513  | 528  | 540  |
|          | 600      |      | 1045 | 13.2 | 645 | 579      | 605  | 619  | 579  | 605  | 619  |
|          | 700      |      | 1045 | 14.4 | 660 | 620      | 635  | 669  | 611  | 626  | 660  |



Double-socket tee with flanged branch 双承单支盘三通

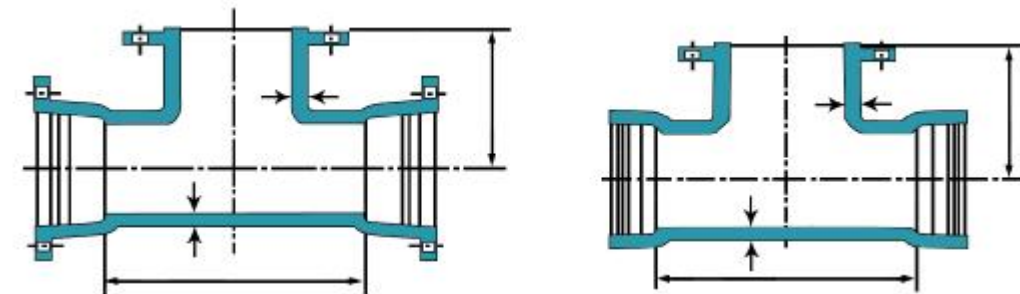
| 主管<br>DN | 支管<br>dn | T    | L    | t    | H   | Mass(kg) |      |      |      |      |      |
|----------|----------|------|------|------|-----|----------|------|------|------|------|------|
|          |          |      |      |      |     | T 型      |      |      | K 型  |      |      |
|          |          |      |      |      |     | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 800      | 800      | 15.6 | 1045 | 15.6 | 675 | 623      | 642  | 691  | 631  | 646  | 699  |
|          | 100      |      | 355  | 7.2  | 630 | 378      | 378  | 378  | 365  | 365  | 366  |
|          | 150      |      | 355  | 7.8  | 640 | 381      | 381  | 382  | 368  | 368  | 369  |
|          | 200      |      | 355  | 8.4  | 645 | 379      | 384  | 386  | 371  | 371  | 373  |
|          | 300      |      | 470  | 9.6  | 660 | 455      | 455  | 461  | 442  | 442  | 448  |
| 900      | 400      | 16.8 | 590  | 10.8 | 675 | 490      | 495  | 513  | 484  | 488  | 499  |
|          | 500      |      | 820  | 12   | 690 | 666      | 681  | 693  | 653  | 668  | 690  |
|          | 600      |      | 1170 | 13.2 | 705 | 748      | 774  | 794  | 745  | 769  | 783  |
|          | 700      |      | 1170 | 14.4 | 720 | 788      | 803  | 837  | 775  | 790  | 824  |
|          | 800      |      | 1170 | 15.6 | 735 | 808      | 823  | 876  | 795  | 810  | 863  |
| 1000     | 900      | 18   | 1170 | 16.8 | 750 | 814      | 838  | 920  | 822  | 841  | 907  |
|          | 100      |      | 360  | 7.2  | 690 | 461      | 461  | 462  | 461  | 461  | 462  |
|          | 150      |      | 360  | 7.8  | 700 | 464      | 464  | 465  | 464  | 464  | 465  |
|          | 200      |      | 360  | 8.4  | 705 | 462      | 462  | 469  | 467  | 467  | 469  |
|          | 250      |      | 420  | 9    | 715 | 521      | 521  | 525  | 521  | 521  | 525  |
| 1100     | 300      | 20.4 | 480  | 9.6  | 720 | 552      | 552  | 558  | 552  | 552  | 558  |
|          | 400      |      | 595  | 10.8 | 735 | 591      | 596  | 614  | 586  | 591  | 602  |
|          | 500      |      | 710  | 12   | 750 | 852      | 867  | 879  | 852  | 867  | 879  |
|          | 600      |      | 1290 | 13.2 | 765 | 947      | 973  | 994  | 958  | 982  | 994  |
|          | 700      |      | 1290 | 14.4 | 780 | 985      | 1000 | 1032 | 985  | 1000 | 1032 |
| 1200     | 800      | 22.8 | 1290 | 15.6 | 795 | 1006     | 1021 | 1074 | 1006 | 1021 | 1074 |
|          | 900      |      | 1290 | 16.8 | 810 | 1052     | 1076 | 1137 | 1052 | 1076 | 1137 |
|          | 1000     |      | 1290 | 18   | 825 | 1044     | 1086 | 1192 | 1072 | 1106 | 1192 |
|          | 100      |      | 375  | 7.2  | 810 | 676      | 676  | 676  | 676  | 676  | 676  |
|          | 150      |      | 375  | 7.8  | 820 | 678      | 678  | 678  | 678  | 678  | 678  |
| 1300     | 200      | 24.4 | 375  | 8.4  | 825 | 682      | 682  | 684  | 682  | 682  | 684  |
|          | 300      |      | 490  | 9.6  | 840 | 769      | 769  | 775  | 769  | 769  | 775  |
|          | 400      |      | 605  | 10.8 | 855 | 852      | 856  | 867  | 852  | 856  | 867  |
|          | 500      |      | 720  | 12   | 870 | 968      | 973  | 995  | 968  | 973  | 995  |
|          | 600      |      | 840  | 13.2 | 885 | 1000     | 1027 | 1067 | 1031 | 1055 | 1067 |
| 1400     | 700      | 26.0 | 955  | 14.4 | 900 | 1169     | 1184 | 1218 | 1169 | 1184 | 1218 |
|          | 800      |      | 1070 | 15.6 | 915 | 1190     | 1210 | 1295 | 1227 | 1242 | 1295 |
|          | 900      |      | 1185 | 16.8 | 930 | 1367     | 1427 | 1452 | 1367 | 1427 | 1452 |
|          | 1000     |      | 1300 | 18   | 945 | 1406     | 1448 | 1556 | 1436 | 1470 | 1556 |
|          | 1200     |      | 1535 | 20.4 | 975 | 1682     | 1736 | 1846 | 1682 | 1736 | 1846 |



Double-socket tee with flanged branch

双承单支盘三通

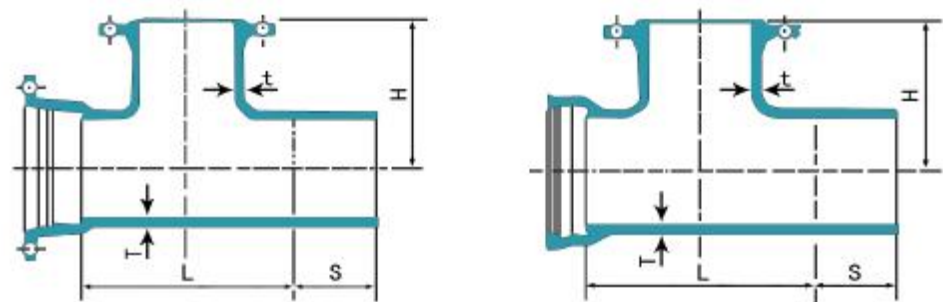
| 主管<br>DN | 支管<br>dn | T    | L    | t    | H    | Mass(kg) |      |      |      |      |      |
|----------|----------|------|------|------|------|----------|------|------|------|------|------|
|          |          |      |      |      |      | T 型      |      |      | K 型  |      |      |
|          |          |      |      |      |      | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 1400     | 600      | 22.8 | 1030 | 13.2 | 980  | 1478     | 1505 | 1519 | 1478 | 1505 | 1519 |
|          | 800      |      | 1260 | 15.6 | 1010 | 1709     | 1728 | 1777 | 1709 | 1728 | 1777 |
|          | 1000     |      | 1495 | 18   | 1040 | 1955     | 1996 | 2075 | 1956 | 1996 | 2075 |
|          | 1200     |      | 1725 | 20.4 | 1070 | 2375     | 2439 | 2539 | 2375 | 2439 | 2539 |
|          | 1400     |      | 1960 | 22.8 | 1100 | 2697     | 2765 | 2917 | 2697 | 2765 | 2917 |
| 1600     | 100      | 25.2 | 460  | 7.2  | 1015 | 1261     | 1261 | 1261 | 1261 | 1261 | 1261 |
|          | 200      |      | 580  | 8.4  | 1030 | 1361     | 1361 | 1361 | 1361 | 1361 | 1361 |
|          | 400      |      | 810  | 10.8 | 1060 | 1561     | 1565 | 1576 | 1561 | 1565 | 1576 |
|          | 600      |      | 1040 | 13.2 | 1090 | 1908     | 1934 | 1942 | 1831 | 1854 | 1866 |
|          | 800      |      | 1275 | 15.6 | 1120 | 2192     | 2211 | 2264 | 2121 | 2136 | 2189 |
|          | 1000     |      | 1505 | 18   | 1150 | 2480     | 2522 | 2607 | 2416 | 2451 | 2536 |
|          | 1200     |      | 1740 | 20.4 | 1180 | 2799     | 2863 | 2962 | 2743 | 2798 | 2907 |
|          | 1400     |      | 1970 | 22.8 | 1210 | 3129     | 3186 | 3349 | 3073 | 3130 | 3293 |
| 1800     | 1600     | 27.6 | 2200 | 25.2 | 1240 | 3517     | 4607 | 4792 | 3461 | 3551 | 3741 |
|          | 100      |      | 475  | 7.2  | 1125 |          |      |      | 1742 | 1742 | 1742 |
|          | 200      |      | 590  | 8.4  | 1140 |          |      |      | 1842 | 1842 | 1842 |
|          | 400      |      | 820  | 10.8 | 1170 |          |      |      | 2042 | 2046 | 2059 |
|          | 600      |      | 1055 | 13.2 | 1200 | 2414     | 2440 |      | 2302 | 2326 | 2337 |
|          | 800      |      | 1285 | 15.6 | 1230 | 2748     | 2767 |      | 2642 | 2657 | 2710 |
|          | 1000     |      | 1520 | 18   | 1260 | 3095     | 3137 |      | 2998 | 3032 | 3118 |
|          | 1200     |      | 1750 | 20.4 | 1290 | 3460     | 3524 |      | 3371 | 3426 | 3535 |
|          | 1400     |      | 1980 | 22.8 | 1320 |          |      |      | 3750 | 3807 | 3970 |
|          | 1600     |      | 2215 | 25.2 | 1350 |          |      |      | 4188 | 4277 | 4468 |
| 2000     | 1800     | 30   | 2445 | 27.6 | 1380 |          |      |      | 4624 | 4735 | 4990 |
|          | 200      |      | 600  | 8.4  | 1250 |          |      |      | 2230 | 2230 | 2232 |
|          | 300      |      | 720  | 9.6  | 1265 |          |      |      | 2428 | 2428 | 2433 |
|          | 400      |      | 835  | 10.8 | 1280 |          |      |      | 2530 | 2534 | 2547 |
|          | 500      |      | 950  | 12   | 1295 |          |      |      | 2728 | 2743 | 2755 |
|          | 600      |      | 1065 | 13.2 | 1310 | 2988     | 3015 |      | 2830 | 2853 | 2865 |
|          | 700      |      | 1180 | 14.4 | 1325 |          |      |      | 3091 | 3106 | 3140 |
|          | 800      |      | 1300 | 15.6 | 1340 |          |      |      | 3239 | 3254 | 3307 |
|          | 900      |      | 1415 | 16.8 | 1355 |          |      |      | 3498 | 3523 | 3583 |
|          | 1000     |      | 1530 | 18   | 1370 | 3790     | 3832 |      | 3648 | 3682 | 3768 |
|          | 1200     |      | 1760 | 20.4 | 1400 |          |      |      | 4079 | 4134 | 4243 |
|          | 1400     |      | 1995 | 22.8 | 1430 | 4645     | 4713 |      | 4523 | 4580 | 4743 |
|          | 1600     |      | 2225 | 25.2 | 1460 |          |      |      | 5007 | 5097 | 5287 |
|          | 1800     |      | 2460 | 27.6 | 1490 |          |      |      | 5497 | 5609 | 5863 |
| 2200     | 2000     | 32.4 | 2690 | 30   | 1520 |          |      |      | 6030 | 6168 | 6506 |
|          | 600      |      | 1080 | 13.2 | 1420 | 3647     | 3674 |      | 3510 | 3537 |      |
|          | 800      |      | 1310 | 15.6 | 1450 |          |      |      | 3873 | 3888 |      |



Double-socket tee with flanged branch

双承单支盘三通

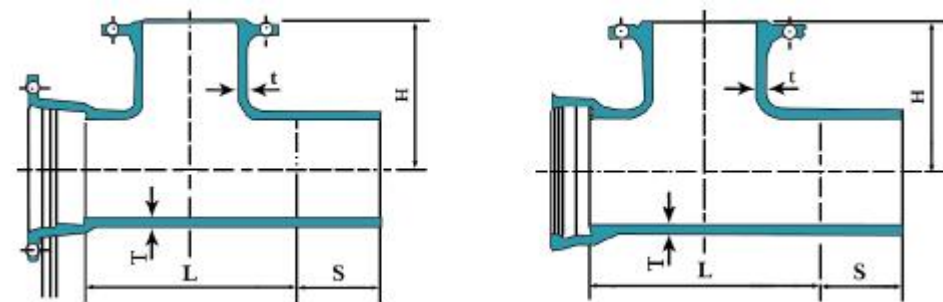
| 主管<br>DN | 支管<br>dn | T    | L    | t    | H    | Mass(kg) |      |      |       |       |      |
|----------|----------|------|------|------|------|----------|------|------|-------|-------|------|
|          |          |      |      |      |      | T 型      |      |      | K 型   |       |      |
|          |          |      |      |      |      | PN10     | PN16 | PN25 | PN10  | PN16  | PN25 |
| 2200     | 1000     | 32.4 | 1540 | 18   | 1480 |          |      |      | 4347  | 4381  |      |
|          | 1200     |      | 1775 | 20.4 | 1510 | 5056     | 5119 |      | 4851  | 4906  |      |
|          | 1400     |      | 2005 | 22.8 | 1540 |          |      |      | 5349  | 5406  |      |
|          | 1600     |      | 2240 | 25.2 | 1570 |          |      |      | 5903  | 5992  |      |
|          | 1800     |      | 2470 | 27.6 | 1600 |          |      |      | 6442  | 6553  |      |
|          | 2000     |      | 2700 | 30   | 1630 | 6579     | 6705 |      | 7022  | 7160  |      |
|          | 2200     |      | 2935 | 32.4 | 1670 |          |      |      | 7688  | 7858  |      |
| 2400     | 600      | 34.8 | 1090 | 13.2 | 1530 | 4383     | 4409 |      | 4085  | 4111  |      |
|          | 800      |      | 1320 | 15.6 | 1560 |          |      |      | 4566  | 4581  |      |
|          | 1000     |      | 1555 | 18   | 1590 |          |      |      | 5119  | 5154  |      |
|          | 1200     |      | 1785 | 20.4 | 1620 | 6005     | 6069 |      | 5682  | 5737  |      |
|          | 1400     |      | 2020 | 22.8 | 1650 |          |      |      | 6257  | 6314  |      |
|          | 1600     |      | 2250 | 25.2 | 1680 |          |      |      | 6866  | 6955  |      |
|          | 1800     |      | 2480 | 27.6 | 1710 | 7734     | 7860 |      | 7168  | 7579  |      |
|          | 2000     |      | 2715 | 30   | 1740 |          |      |      | 8120  | 8258  |      |
|          | 2200     |      | 2945 | 32.4 | 1770 |          |      |      | 8826  | 8996  |      |
|          | 2400     |      | 3180 | 34.8 | 1800 |          |      |      | 9614  | 9842  |      |
| 2600     | 600      | 37.2 | 1100 | 13.2 | 1640 | 5205     | 5231 |      | 4955  | 4971  |      |
|          | 800      |      | 1335 | 15.6 | 1670 |          |      |      | 5553  | 5568  |      |
|          | 1000     |      | 1565 | 18   | 1700 |          |      |      | 6175  | 6210  |      |
|          | 1200     |      | 1800 | 20.4 | 1730 |          |      |      | 6829  | 6884  |      |
|          | 1400     |      | 2030 | 22.8 | 1760 | 7704     | 7772 |      | 7471  | 7528  |      |
|          | 1600     |      | 2260 | 25.2 | 1790 |          |      |      | 8155  | 8244  |      |
|          | 1800     |      | 2495 | 27.6 | 1820 |          |      |      | 8842  | 8954  |      |
|          | 2000     |      | 2725 | 30   | 1850 | 9713     | 9866 |      | 9553  | 9691  |      |
|          | 2200     |      | 2960 | 32.4 | 1880 |          |      |      | 10339 | 10510 |      |
|          | 2400     |      | 3190 | 34.8 | 1910 |          |      |      | 11173 | 11401 |      |
|          | 2600     |      | 3420 | 37.2 | 1940 |          |      |      | 11973 | 12226 |      |



Socket-spigot tee with flanged branch

承插单支盘三通

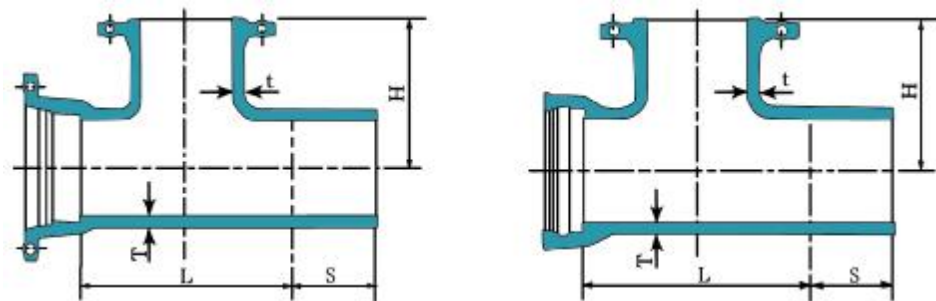
| 主管<br>DN | 支管<br>dn | T    | L   | t    | H   | S   | Mass(kg) |      |      |      |      |      |
|----------|----------|------|-----|------|-----|-----|----------|------|------|------|------|------|
|          |          |      |     |      |     |     | T 型      |      |      | K 型  |      |      |
|          |          |      |     |      |     |     | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 80       | 80       | 7    | 170 | 7    | 165 | 150 | 14       | 14   | 14   | 15.8 | 15.8 | 15.8 |
|          | 100      | 7.2  | 170 | 7    | 175 | 200 | 16.4     | 16.4 | 16.4 | 18.7 | 18.7 | 18.7 |
|          | 100      |      | 190 | 7.2  | 180 | 200 | 17.8     | 17.8 | 17.8 | 20.1 | 20.1 | 20.1 |
| 150      | 80       | 7.8  | 170 | 7    | 205 | 200 | 23.7     | 23.7 | 23.7 | 26.1 | 26.1 | 26.1 |
|          | 100      |      | 195 | 7.2  | 210 | 200 | 25.4     | 25.4 | 25.4 | 27.6 | 27.6 | 27.6 |
|          | 150      | 7.8  | 255 | 7.8  | 220 | 200 | 30.2     | 30.2 | 30.2 | 32.7 | 32.7 | 32.7 |
| 200      | 80       | 8.4  | 175 | 7    | 235 | 200 | 32.5     | 32.5 | 32.5 | 34.5 | 34.5 | 34.5 |
|          | 100      |      | 200 | 7.2  | 240 | 200 | 34.3     | 35.3 | 34.3 | 36.3 | 36.3 | 36.3 |
|          | 150      |      | 255 | 7.8  | 250 | 200 | 40.2     | 40.2 | 40.2 | 42.2 | 42.2 | 42.2 |
|          | 200      |      | 315 | 8.4  | 260 | 200 | 46.6     | 47   | 48.5 | 48.6 | 49   | 50.5 |
| 250      | 80       | 9    | 180 | 7    | 265 | 200 | 43.4     | 43.4 | 43.4 | 44.8 | 44.8 | 44.8 |
|          | 100      |      | 200 | 7.2  | 270 | 200 | 44.9     | 44.9 | 44.9 | 46.4 | 46.4 | 46.4 |
|          | 150      |      | 260 | 7.8  | 280 | 200 | 57.3     | 57.3 | 58.3 | 58.7 | 58.7 | 59.7 |
|          | 200      |      | 315 | 8.4  | 290 | 200 | 57.7     | 57   | 59.7 | 59.1 | 59.1 | 61.1 |
|          | 250      |      | 375 | 9    | 300 | 200 | 65.7     | 66   | 69.7 | 67.1 | 68.1 | 71.1 |
| 300      | 80       | 9.6  | 180 | 7    | 295 | 200 | 55.5     | 55.5 | 55.5 | 61   | 61   | 61   |
|          | 100      |      | 205 | 7.2  | 300 | 200 | 57.5     | 57.5 | 58.5 | 62.9 | 63.9 | 63.9 |
|          | 150      |      | 260 | 7.8  | 310 | 200 | 70.9     | 71.9 | 71.9 | 76.3 | 76.3 | 77.3 |
|          | 200      |      | 320 | 8.4  | 320 | 200 | 73.5     | 72.5 | 75.5 | 78.9 | 78.9 | 80.9 |
|          | 250      |      | 375 | 9    | 330 | 200 | 85.5     | 85.5 | 87.5 | 90.5 | 90.5 | 92.5 |
|          | 300      |      | 435 | 9.6  | 340 | 200 | 91.9     | 95   | 97.9 | 97.3 | 100  | 103  |
|          | 100      |      | 205 | 7.2  | 330 | 200 | 70.2     | 70.2 | 70.2 | 75.2 | 75.2 | 75.2 |
| 350      | 150      | 10.2 | 260 | 7.8  | 340 | 200 | 85.2     | 85.2 | 85.2 | 90.2 | 90.2 | 90.2 |
|          | 200      |      | 325 | 8.4  | 350 | 200 | 87.7     | 87.7 | 89.7 | 92.7 | 92.7 | 92.7 |
|          | 250      |      | 380 | 9    | 360 | 200 | 106      | 116  | 127  | 110  | 120  | 131  |
|          | 300      |      | 440 | 9.6  | 370 | 200 | 114      | 120  | 131  | 122  | 124  | 135  |
|          | 350      |      | 495 | 10.2 | 380 | 200 | 121      | 123  | 132  | 125  | 127  | 136  |
| 400      | 100      | 10.8 | 210 | 7.2  | 360 | 200 | 84.2     | 84.2 | 84.2 | 89.2 | 89.2 | 89.2 |
|          | 150      |      | 270 | 7.8  | 370 | 200 | 99.8     | 99.8 | 99.8 | 104  | 104  | 104  |
|          | 200      |      | 325 | 8.4  | 380 | 200 | 105      | 104  | 106  | 109  | 108  | 110  |
|          | 250      |      | 385 | 9    | 390 | 200 | 120      | 120  | 123  | 125  | 125  | 129  |
|          | 300      |      | 440 | 9.6  | 400 | 200 | 134      | 133  | 139  | 138  | 137  | 143  |
|          | 350      |      | 500 | 10.2 | 410 | 200 | 144      | 146  | 155  | 148  | 151  | 160  |
|          | 400      |      | 560 | 10.8 | 420 | 200 | 151      | 157  | 168  | 156  | 162  | 173  |
| 450      | 100      | 11.4 | 215 | 7.2  | 390 | 200 | 106      | 107  | 107  | 110  | 111  | 111  |
|          | 150      |      | 270 | 7.8  | 400 | 200 | 120      | 120  | 124  | 124  | 123  | 127  |
|          | 200      |      | 330 | 8.4  | 410 | 200 | 130      | 130  | 132  | 134  | 134  | 136  |
|          | 250      |      | 390 | 9    | 420 | 200 | 141      | 140  | 144  | 145  | 144  | 148  |



Socket-spigot tee with flanged branch

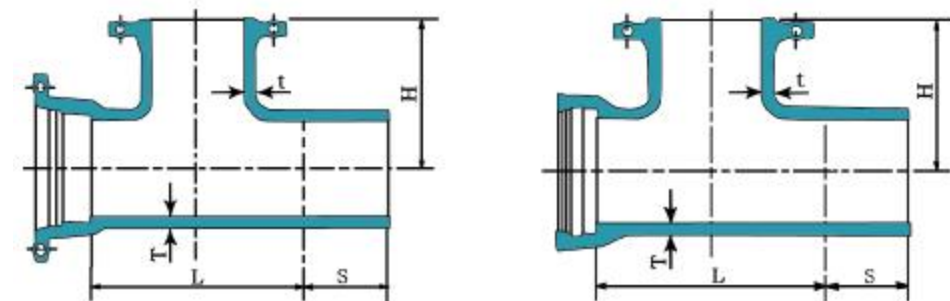
承插单支盘三通

| 主管<br>DN | 支管<br>dn | T    | L   | t    | H    | S   | Mass(kg) |      |      |      |      |      |
|----------|----------|------|-----|------|------|-----|----------|------|------|------|------|------|
|          |          |      |     |      |      |     | T 型      |      |      | K 型  |      |      |
|          |          |      |     |      |      |     | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 450      | 300      | 11.4 | 445 | 9.6  | 430  | 200 | 156      | 155  | 161  | 158  | 158  | 164  |
|          | 350      |      | 505 | 10.2 | 440  | 200 | 165      | 168  | 177  | 169  | 172  | 181  |
|          | 400      |      | 560 | 10.8 | 450  | 200 | 180      | 185  | 196  | 184  | 189  | 200  |
|          | 450      |      | 620 | 11.4 | 460  | 200 | 191      | 199  | 215  | 189  | 197  | 213  |
| 500      | 100      | 12   | 215 | 7.2  | 420  | 200 | 116      | 116  | 116  | 119  | 119  | 119  |
|          | 150      |      | 275 | 7.8  | 430  | 200 | 138      | 137  | 138  | 140  | 140  | 141  |
|          | 200      |      | 330 | 8.4  | 440  | 200 | 142      | 141  | 143  | 145  | 144  | 145  |
|          | 250      |      | 390 | 9    | 450  | 200 | 165      | 164  | 168  | 168  | 167  | 171  |
|          | 300      |      | 450 | 9.6  | 460  | 200 | 178      | 178  | 183  | 181  | 181  | 186  |
|          | 350      |      | 505 | 10.2 | 470  | 200 | 192      | 195  | 203  | 194  | 197  | 206  |
|          | 400      |      | 565 | 10.8 | 480  | 200 | 199      | 205  | 216  | 201  | 207  | 218  |
|          | 450      |      | 620 | 11.4 | 490  | 200 | 219      | 227  | 243  | 222  | 230  | 245  |
|          | 500      |      | 680 | 12   | 500  | 200 | 232      | 247  | 259  | 233  | 248  | 260  |
|          | 100      |      | 220 | 7.2  | 480  | 200 | 166      | 166  | 167  | 164  | 164  | 165  |
| 600      | 150      | 13.2 | 280 | 7.8  | 490  | 200 | 183      | 183  | 184  | 181  | 181  | 182  |
|          | 200      |      | 340 | 8.4  | 500  | 200 | 184      | 184  | 184  | 186  | 182  | 182  |
|          | 250      |      | 395 | 9    | 510  | 200 | 215      | 215  | 218  | 213  | 213  | 216  |
|          | 300      |      | 455 | 9.6  | 520  | 200 | 231      | 230  | 235  | 228  | 228  | 233  |
|          | 350      |      | 510 | 10.2 | 530  | 200 | 247      | 250  | 258  | 245  | 248  | 256  |
|          | 400      |      | 570 | 10.8 | 540  | 200 | 253      | 258  | 269  | 251  | 256  | 267  |
|          | 450      |      | 630 | 11.4 | 550  | 200 | 279      | 288  | 303  | 277  | 286  | 301  |
|          | 500      |      | 685 | 12   | 560  | 200 | 299      | 303  | 326  | 297  | 301  | 324  |
|          | 600      |      | 800 | 13.2 | 580  | 200 | 333      | 359  | 373  | 331  | 357  | 371  |
|          | 100      |      | 345 | 7.2  | 510  | 200 | 242      | 242  | 243  | 243  | 243  | 244  |
| 700      | 150      | 14.4 | 345 | 7.8  | 520  | 200 | 246      | 246  | 247  | 246  | 246  | 247  |
|          | 200      |      | 345 | 8.4  | 525  | 200 | 249      | 249  | 251  | 249  | 249  | 251  |
|          | 300      |      | 460 | 9.6  | 540  | 200 | 300      | 300  | 306  | 301  | 301  | 307  |
|          | 350      |      | 520 | 10.2 | 550  | 200 | 312      | 315  | 324  | 313  | 316  | 325  |
|          | 400      |      | 575 | 10.8 | 5655 | 200 | 329      | 333  | 344  | 329  | 334  | 345  |
|          | 450      |      | 635 | 11.4 | 565  | 200 | 369      | 378  | 391  | 370  | 379  | 392  |
|          | 500      |      | 690 | 12   | 570  | 200 | 391      | 406  | 418  | 392  | 407  | 419  |
|          | 600      |      | 810 | 13.2 | 585  | 200 | 421      | 445  | 456  | 422  | 445  | 457  |
|          | 700      |      | 925 | 14.4 | 600  | 200 | 476      | 487  | 525  | 476  | 488  | 525  |
|          | 100      |      | 350 | 7.2  | 570  | 200 | 304      | 304  | 305  | 295  | 295  | 295  |
| 800      | 150      | 15.6 | 350 | 7.8  | 580  | 200 | 308      | 308  | 309  | 298  | 298  | 299  |
|          | 200      |      | 350 | 8.4  | 585  | 200 | 311      | 311  | 313  | 302  | 301  | 303  |
|          | 250      |      | 410 | 9    | 595  | 200 | 351      | 351  | 355  | 342  | 341  | 346  |
|          | 300      |      | 465 | 9.6  | 600  | 200 | 371      | 371  | 377  | 362  | 362  | 368  |



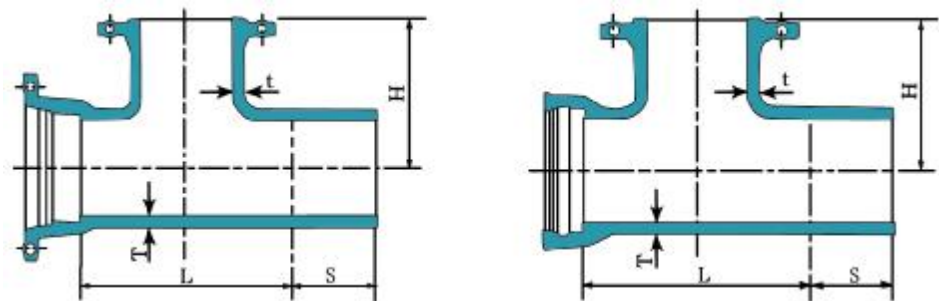
Socket-spigot tee with flanged branch 承插单支盘三通

| 主管<br>DN | 支管<br>dn | T    | L    | t    | H   | S   | Mass(kg) |      |      |      |      |      |
|----------|----------|------|------|------|-----|-----|----------|------|------|------|------|------|
|          |          |      |      |      |     |     | T 型      |      |      | K 型  |      |      |
|          |          |      |      |      |     |     | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 800      | 400      | 15.6 | 580  | 10.8 | 615 | 200 | 405      | 410  | 421  | 396  | 401  | 412  |
|          | 500      |      | 700  | 12   | 630 | 200 | 522      | 537  | 549  | 513  | 528  | 540  |
|          | 600      |      | 1045 | 13.2 | 645 | 200 | 588      | 612  | 624  | 579  | 603  | 614  |
|          | 700      |      | 1045 | 14.4 | 660 | 200 | 620      | 635  | 669  | 611  | 626  | 660  |
|          | 800      |      | 1045 | 15.6 | 675 | 200 | 640      | 655  | 708  | 631  | 646  | 699  |
| 900      | 100      | 18.8 | 55   | 7.2  | 630 | 250 | 378      | 378  | 378  | 365  | 365  | 366  |
|          | 150      |      | 355  | 7.8  | 640 | 250 | 381      | 381  | 382  | 368  | 368  | 369  |
|          | 200      |      | 355  | 8.4  | 645 | 250 | 385      | 384  | 386  | 371  | 371  | 373  |
|          | 300      |      | 470  | 9.6  | 660 | 250 | 455      | 455  | 461  | 442  | 442  | 448  |
|          | 400      |      | 590  | 10.8 | 675 | 250 | 497      | 502  | 513  | 484  | 488  | 499  |
|          | 500      |      | 820  | 12   | 690 | 250 | 666      | 681  | 693  | 653  | 668  | 690  |
|          | 600      |      | 1170 | 13.2 | 705 | 250 | 758      | 782  | 794  | 745  | 769  | 783  |
|          | 700      |      | 1170 | 14.4 | 720 | 250 | 788      | 803  | 837  | 775  | 790  | 824  |
|          | 800      |      | 1170 | 15.6 | 735 | 250 | 808      | 823  | 876  | 795  | 810  | 863  |
| 1000     | 900      |      | 1170 | 16.8 | 750 | 250 | 835      | 854  | 920  | 822  | 841  | 907  |
|          | 100      | 18   | 360  | 7.2  | 690 | 250 | 461      | 461  | 462  | 461  | 461  | 462  |
|          | 150      |      | 360  | 7.8  | 700 | 250 | 464      | 464  | 465  | 464  | 464  | 465  |
|          | 200      |      | 360  | 8.4  | 705 | 250 | 467      | 467  | 469  | 467  | 467  | 469  |
|          | 250      |      | 420  | 9    | 715 | 250 | 521      | 521  | 525  | 521  | 521  | 525  |
|          | 300      |      | 480  | 9.6  | 720 | 250 | 552      | 552  | 558  | 552  | 552  | 558  |
|          | 400      |      | 595  | 10.8 | 735 | 250 | 598      | 603  | 614  | 598  | 603  | 614  |
|          | 500      |      | 710  | 12   | 750 | 250 | 852      | 867  | 879  | 852  | 867  | 879  |
|          | 600      |      | 1290 | 13.2 | 765 | 250 | 958      | 982  | 994  | 958  | 982  | 994  |
|          | 700      |      | 1290 | 14.4 | 780 | 250 | 985      | 1000 | 1032 | 985  | 1000 | 1032 |
| 1200     | 800      |      | 1290 | 15.6 | 795 | 250 | 1006     | 1021 | 1074 | 1006 | 1021 | 1074 |
|          | 900      |      | 1290 | 16.8 | 810 | 250 | 1052     | 1076 | 1137 | 1052 | 1076 | 1137 |
|          | 1000     |      | 1290 | 18   | 825 | 250 | 1072     | 1106 | 1192 | 1072 | 1106 | 1192 |
|          | 100      | 20.4 | 375  | 7.2  | 810 | 250 | 676      | 676  | 676  | 676  | 676  | 676  |
|          | 150      |      | 375  | 7.8  | 820 | 250 | 678      | 678  | 678  | 678  | 678  | 678  |
|          | 200      |      | 375  | 8.4  | 825 | 250 | 682      | 682  | 684  | 682  | 682  | 684  |
|          | 300      |      | 490  | 9.6  | 840 | 250 | 769      | 769  | 775  | 769  | 769  | 775  |
|          | 400      |      | 605  | 10.8 | 855 | 250 | 852      | 856  | 867  | 852  | 856  | 867  |
|          | 500      |      | 720  | 12   | 870 | 250 | 968      | 973  | 995  | 968  | 973  | 995  |
|          | 600      |      | 840  | 13.2 | 885 | 250 | 1031     | 1055 | 1067 | 1031 | 1055 | 1067 |
|          | 700      |      | 955  | 14.4 | 900 | 250 | 1169     | 1184 | 1218 | 1169 | 1184 | 1218 |
|          | 800      |      | 1070 | 15.6 | 915 | 250 | 1227     | 1242 | 1295 | 1227 | 1242 | 1295 |
|          | 900      |      | 1185 | 16.8 | 930 | 250 | 1367     | 1427 | 1452 | 1367 | 1427 | 1452 |
|          | 1000     |      | 1300 | 18   | 945 | 250 | 1436     | 1470 | 1556 | 1436 | 1470 | 1556 |



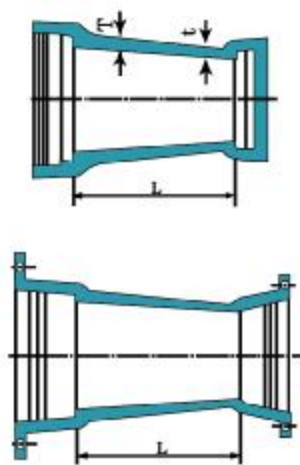
Socket-spigot tee with flanged branch 承插单支盘三通

| 主管<br>DN | 支管<br>dn | T    | L    | t    | H    | S   | Mass(kg) |      |      |      |      |      |
|----------|----------|------|------|------|------|-----|----------|------|------|------|------|------|
|          |          |      |      |      |      |     | T 型      |      |      | K 型  |      |      |
|          |          |      |      |      |      |     | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 1200     | 1200     | 20.4 | 1535 | 20.4 | 975  | 250 | 1682     | 1736 | 1846 | 1682 | 1736 | 1846 |
|          | 100      |      | 450  | 7.2  | 905  | 300 | 1120     | 1120 | 1120 | 1120 | 1120 | 1120 |
|          | 200      |      | 565  | 8.4  | 920  | 300 | 1189     | 1189 | 1189 | 1189 | 1189 | 1189 |
|          | 300      |      | 680  | 9.6  | 935  | 300 | 1273     | 1273 | 1279 | 1273 | 1273 | 1279 |
|          | 400      |      | 800  | 10.8 | 950  | 300 | 1357     | 1368 | 1374 | 1357 | 1368 | 1374 |
| 1400     | 500      | 22.8 | 915  | 12   | 965  | 300 | 1449     | 1464 | 1476 | 1449 | 1464 | 1476 |
|          | 600      |      | 1130 | 13.2 | 980  | 300 | 1478     | 1505 | 1519 | 1478 | 1505 | 1519 |
|          | 800      |      | 1260 | 15.6 | 1010 | 300 | 1709     | 1728 | 1777 | 1709 | 1728 | 1777 |
|          | 1000     |      | 1495 | 18   | 1040 | 300 | 1956     | 1996 | 2075 | 1956 | 1996 | 2075 |
|          | 1200     |      | 1725 | 20.4 | 1070 | 300 | 2375     | 2439 | 2539 | 2375 | 2439 | 2539 |
|          | 1400     |      | 1960 | 22.8 | 1100 | 300 | 2697     | 2765 | 2917 | 2697 | 2765 | 2917 |
|          | 1600     |      | 2200 | 25.2 | 1140 | 300 | 3073     | 3130 | 3293 | 3073 | 3130 | 3293 |
| 1600     | 100      | 25.2 | 460  | 7.2  | 1015 | 300 | 1261     | 1261 | 1261 | 1261 | 1261 | 1261 |
|          | 200      |      | 580  | 8.4  | 1030 | 300 | 1361     | 1361 | 1361 | 1361 | 1361 | 1361 |
|          | 400      |      | 810  | 10.8 | 1060 | 300 | 1561     | 1565 | 1576 | 1561 | 1565 | 1576 |
|          | 600      |      | 1040 | 13.2 | 1090 | 300 | 1853     | 1879 | 1891 | 1831 | 1854 | 1866 |
|          | 800      |      | 1275 | 15.6 | 1120 | 300 | 2137     | 2156 | 2205 | 2107 | 2122 | 2136 |
|          | 1000     |      | 1505 | 18   | 1150 | 300 | 2425     | 2467 | 2516 | 2402 | 2437 | 2486 |
|          | 1200     |      | 1740 | 20.4 | 1180 | 300 | 2744     | 2808 | 2887 | 2729 | 2784 | 2863 |
|          | 1400     |      | 1970 | 22.8 | 1210 | 300 | 3073     | 3130 | 3293 | 3059 | 3116 | 3216 |
|          | 1600     |      | 2200 | 25.2 | 1240 | 300 | 3461     | 3551 | 3741 | 3447 | 3537 | 3689 |
|          | 1800     |      | 2445 | 27.6 | 1280 | 300 | 3807     | 3907 | 4097 | 3807 | 3907 | 4097 |
| 1800     | 100      | 27.6 | 475  | 7.2  | 1125 | 380 | 1742     | 1742 | 1742 | 1742 | 1742 | 1742 |
|          | 200      |      | 590  | 8.4  | 1140 | 380 | 1842     | 1842 | 1842 | 1842 | 1842 | 1842 |
|          | 400      |      | 820  | 10.8 | 1170 | 380 | 2042     | 2047 | 2058 | 2042 | 2046 | 2059 |
|          | 600      |      | 1055 | 13.2 | 1200 | 380 | 2423     | 2449 | 2463 | 2367 | 2391 | 2405 |
|          | 800      |      | 1285 | 15.6 | 1230 | 380 | 2757     | 2776 | 2826 | 2642 | 2657 | 2710 |
|          | 1000     |      | 1520 | 18   | 1260 | 380 | 3104     | 3146 | 3223 | 3063 | 3097 | 3183 |
|          | 1200     |      | 1750 | 20.4 | 1290 | 380 | 3469     | 3583 | 3621 | 3436 | 3491 | 3592 |
|          | 1400     |      | 1980 | 22.8 | 1320 | 380 | 3750     | 3807 | 3970 | 3750 | 3807 | 3970 |
|          | 1600     |      | 2215 | 25.2 | 1350 | 380 | 4188     | 4277 | 4468 | 4188 | 4277 | 4468 |
|          | 1800     |      | 2445 | 27.6 | 1380 | 380 | 4624     | 4735 | 4990 | 4624 | 4735 | 4990 |
|          | 200      | 30   | 600  | 8.4  | 1250 | 380 | 2230     | 2230 | 2230 | 2230 | 2230 | 2232 |
|          | 300      |      | 720  | 9.6  | 1265 | 380 | 2428     | 2428 | 2433 | 2428 | 2428 | 2433 |
|          | 400      |      | 835  | 10.8 | 1280 | 380 | 2530     | 2534 | 2547 | 2530 | 2534 | 2547 |
|          | 500      |      | 950  | 12   | 1295 | 380 | 2728     | 2743 | 2755 | 2728 | 2743 | 2755 |
|          | 600      |      | 1065 | 13.2 | 1310 | 380 | 2965     | 2992 | 3004 | 2830 | 2853 | 2865 |
|          | 700      |      | 1180 | 14.4 | 1325 | 380 | 3098     | 3113 | 3147 | 3091 | 3106 | 3140 |
|          | 800      |      | 1300 | 15.6 | 1340 | 380 | 3301     | 3316 | 3337 | 3239 | 3254 | 3307 |
|          | 900      |      | 1415 | 16.8 | 1355 | 380 | 3513     | 3528 | 3598 | 3498 | 3523 | 3583 |



Socket-spigot tee with flanged branch 承插单支盘三通

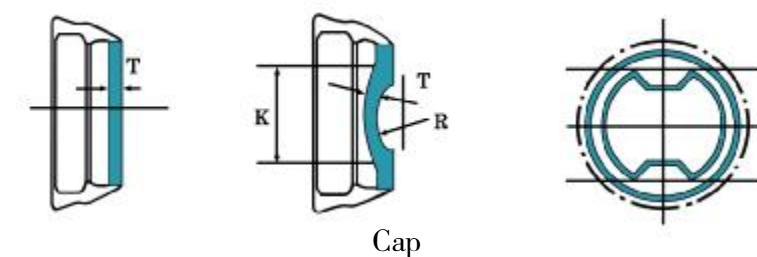
| 主管<br>DN | 支管<br>dn | T    | L    | t    | H    | S   | Mass(kg) |      |      |       |       |      |
|----------|----------|------|------|------|------|-----|----------|------|------|-------|-------|------|
|          |          |      |      |      |      |     | T 型      |      |      | K 型   |       |      |
|          |          |      |      |      |      |     | PN10     | PN16 | PN25 | PN10  | PN16  | PN25 |
| 2000     | 1000     | 30   | 1530 | 18   | 1370 | 380 | 3767     | 3809 | 3942 | 3648  | 3682  | 3768 |
|          | 1200     |      | 1760 | 20.4 | 1400 | 380 | 4141     | 4196 | 4243 | 4079  | 4134  | 4243 |
|          | 1400     |      | 1995 | 22.8 | 1430 | 380 | 4622     | 4690 | 4740 | 4523  | 4580  | 4743 |
|          | 1600     |      | 2225 | 25.2 | 1460 | 380 | 5069     | 5159 | 5287 | 5007  | 5097  | 5287 |
|          | 1800     |      | 2460 | 27.6 | 1490 | 380 | 5559     | 5671 | 5863 | 5497  | 5609  | 5863 |
|          | 2000     |      | 2690 | 30   | 1520 | 380 | 6092     | 6230 | 6506 | 6030  | 6168  | 6506 |
| 2200     | 600      | 32.4 | 1080 | 13.2 | 1420 | 400 | 3616     | 3643 |      | 3548  | 3575  |      |
|          | 800      |      | 1310 | 15.6 | 1450 | 400 |          |      |      | 3911  | 3926  |      |
|          | 1000     |      | 1540 | 18   | 1480 | 400 |          |      |      | 4385  | 4419  |      |
|          | 1200     |      | 1775 | 20.4 | 1510 | 400 | 5025     | 5088 |      | 4889  | 4944  |      |
|          | 1400     |      | 2005 | 22.8 | 1540 | 400 |          |      |      | 5387  | 5444  |      |
|          | 1600     |      | 2240 | 25.2 | 1570 | 400 |          |      |      | 5941  | 6030  |      |
|          | 1800     |      | 2470 | 27.6 | 1600 | 400 | 6548     | 6674 |      | 6480  | 6591  |      |
|          | 2000     |      | 2700 | 30   | 1630 | 400 |          |      |      | 7060  | 7198  |      |
|          | 2200     |      | 2935 | 32.4 | 1660 | 400 |          |      |      | 7726  | 7896  |      |
|          | 2400     |      | 3180 | 34.8 | 1800 | 400 |          |      |      | 9600  | 9828  |      |
| 2400     | 600      | 34.8 | 1090 | 13.2 | 1530 | 400 | 4220     | 4246 |      | 4071  | 4097  |      |
|          | 800      |      | 1320 | 15.6 | 1560 | 400 |          |      |      | 4552  | 4567  |      |
|          | 1000     |      | 1555 | 18   | 1590 | 400 |          |      |      | 5105  | 5140  |      |
|          | 1200     |      | 1785 | 20.4 | 1620 | 400 | 5842     | 5906 |      | 5668  | 5723  |      |
|          | 1400     |      | 2020 | 22.8 | 1650 | 400 |          |      |      | 6243  | 6300  |      |
|          | 1600     |      | 2250 | 25.2 | 1680 | 400 |          |      |      | 6852  | 6941  |      |
|          | 1800     |      | 2480 | 27.6 | 1710 | 400 | 7571     | 8697 |      | 7454  | 7565  |      |
|          | 2000     |      | 2715 | 30   | 1740 | 400 |          |      |      | 8106  | 8244  |      |
|          | 2200     |      | 2945 | 32.4 | 1770 | 400 |          |      |      | 8812  | 8982  |      |
|          | 2400     |      | 3180 | 34.8 | 1800 | 400 |          |      |      | 9600  | 9828  |      |
| 2600     | 600      | 37.2 | 1100 | 13.2 | 1640 | 400 | 5054     | 5080 |      | 4959  | 4985  |      |
|          | 800      |      | 1335 | 15.6 | 1670 | 400 |          |      |      | 5557  | 5572  |      |
|          | 1000     |      | 1565 | 18   | 1700 | 400 |          |      |      | 6179  | 6214  |      |
|          | 1200     |      | 1800 | 20.4 | 1730 | 400 |          |      |      | 6833  | 6888  |      |
|          | 1400     |      | 2030 | 22.8 | 1760 | 400 | 7553     | 7621 |      | 7475  | 7532  |      |
|          | 1600     |      | 2260 | 25.2 | 1790 | 400 | 8159     | 8248 |      | 8159  | 8248  |      |
|          | 1800     |      | 2495 | 27.6 | 1820 | 400 |          |      |      | 8846  | 8958  |      |
|          | 2000     |      | 2725 | 30   | 1850 | 400 | 9562     | 9715 |      | 9557  | 9695  |      |
|          | 2200     |      | 2960 | 32.4 | 1880 | 400 |          |      |      | 10334 | 10514 |      |
|          | 2400     |      | 3190 | 34.8 | 1910 | 400 |          |      |      | 11177 | 11405 |      |
|          | 2600     |      | 3420 | 37.2 | 1940 | 400 |          |      |      | 11977 | 12230 |      |



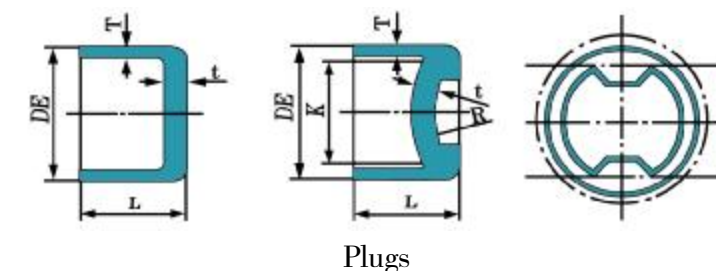
Socket taper 承口渐缩管

| DN  | dn  | T    | t    | L   | Mass(kg) |      |
|-----|-----|------|------|-----|----------|------|
|     |     |      |      |     | T        | K    |
| 100 | 80  | 7.2  | 7    | 90  | 8.5      | 12.3 |
| 125 | 80  | 7.5  | 7    | 140 | 10.8     | 16.3 |
|     | 100 |      | 7.2  | 100 | 11.1     | 16.8 |
| 150 | 80  | 7.8  | 7    | 190 | 13.5     | 18.6 |
|     | 100 |      | 7.2  | 150 | 13.8     | 19.1 |
| 200 | 100 | 8.4  | 7.2  | 250 | 20.5     | 25.2 |
|     | 150 |      | 7.8  | 150 | 21       | 26   |
| 250 | 100 | 9    | 7.2  | 350 | 28.5     | 32.2 |
|     | 150 |      | 7.8  | 250 | 29       | 33.2 |
|     | 200 | 9.6  | 8.4  | 150 | 29       | 33   |
|     | 250 |      | 7.2  | 450 | 39       | 46.9 |
| 300 | 150 |      | 7.8  | 350 | 39.5     | 46.9 |
|     | 200 |      | 8.4  | 250 | 39.5     | 46.9 |
|     | 250 | 10.2 | 9    | 150 | 38.5     | 45.7 |
|     | 300 |      | 7.2  | 560 | 50       | 58.2 |
| 350 | 150 |      | 7.8  | 460 | 55.2     | 60   |
|     | 200 |      | 8.4  | 360 | 52       | 62.5 |
|     | 250 | 10.8 | 9    | 260 | 51       | 62.1 |
|     | 300 |      | 9.6  | 160 | 49.5     | 64.9 |
|     | 350 |      | 7.2  | 660 | 65       | 72.3 |
| 400 | 100 |      | 7.8  | 560 | 66.5     | 78.4 |
|     | 150 | 11.4 | 8.4  | 460 | 67       | 78.3 |
|     | 200 |      | 9    | 360 | 66       | 77.2 |
|     | 250 |      | 9.6  | 260 | 64       | 80.1 |
|     | 300 |      | 10.2 | 160 | 62       | 78   |
| 450 | 100 | 11.4 | 7.2  | 760 | 87.9     | 94.2 |
|     | 150 |      | 7.8  | 660 | 89.2     | 95.3 |
|     | 200 |      | 8.4  | 560 | 88.9     | 95.3 |
|     | 250 |      | 9    | 460 | 89.2     | 94.2 |
|     | 300 | 10.8 | 9.6  | 360 | 88.1     | 97.1 |
|     | 350 |      | 10.2 | 260 | 86       | 95   |
|     | 400 |      | 10.8 | 160 | 83.1     | 92   |

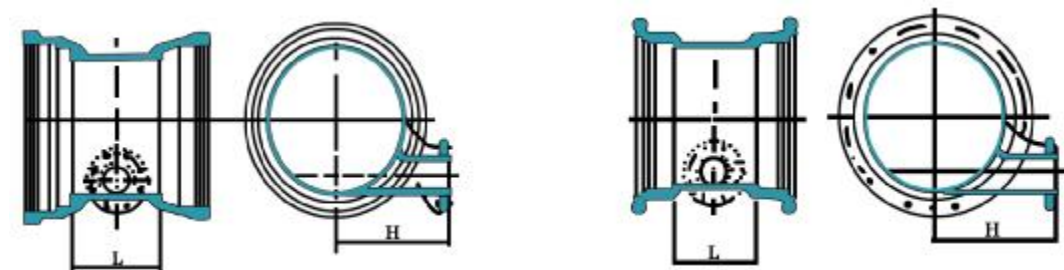
| DN   | dn   | T    | t    | L    | Mass(kg) |      |
|------|------|------|------|------|----------|------|
|      |      |      |      |      | T        | K    |
| 500  | 100  | 12   | 7.2  | 860  | 101      | 106  |
|      | 150  |      | 7.8  | 760  | 102      | 114  |
|      | 200  |      | 8.4  | 660  | 101      | 114  |
|      | 250  |      | 9    | 560  | 101      | 113  |
|      | 300  |      | 9.6  | 460  | 100      | 116  |
|      | 350  |      | 10.2 | 360  | 98       | 115  |
|      | 400  |      | 10.8 | 260  | 94       | 111  |
|      | 450  |      | 12   | 160  | 99.5     | 106  |
| 600  | 100  | 13.2 | 7.2  | 1060 | 152      | 153  |
|      | 150  |      | 7.8  | 960  | 153      | 159  |
|      | 200  |      | 8.4  | 860  | 154      | 159  |
|      | 250  |      | 9    | 760  | 153      | 158  |
|      | 300  |      | 9.6  | 660  | 152      | 161  |
|      | 350  |      | 10.2 | 560  | 151      | 159  |
|      | 400  |      | 10.8 | 460  | 142      | 156  |
|      | 450  |      | 11.4 | 360  | 149      | 151  |
|      | 500  |      | 12   | 260  | 131      | 145  |
|      | 500  | 14.4 | 12   | 480  | 194      | 204  |
|      | 600  |      | 13.2 | 280  | 178      | 187  |
|      | 600  | 15.6 | 13.2 | 480  | 252      | 257  |
|      | 700  |      | 14.4 | 280  | 229      | 236  |
| 900  | 700  | 16.8 | 14.4 | 480  | 318      | 327  |
|      | 800  |      | 15.6 | 280  | 288      | 294  |
| 1000 | 800  | 18   | 15.6 | 480  | 392      | 403  |
|      | 900  |      | 16.8 | 280  | 354      | 368  |
| 1200 | 1000 | 20.4 | 18   | 480  | 570      | 580  |
| 1400 | 1200 | 22.8 | 20.4 | 360  | 711      | 698  |
| 1600 | 1400 | 25.2 | 22.8 | 360  | 950      | 936  |
| 1800 | 1600 | 27.6 | 25.2 | 360  | 1235     | 1234 |
| 2000 | 1800 | 30   | 27.6 | 360  | 1566     | 1565 |
| 2200 | 2000 | 32.4 | 30   | 360  | 1948     | 1726 |
| 2400 | 2200 | 34.8 | 32.4 | 360  | 2374     | 2071 |
| 2600 | 2400 | 37.2 | 34.8 | 360  | 2877     | 2545 |



| DN   | T    | K&R  | Mass(kg) |      |
|------|------|------|----------|------|
|      |      |      | T        | K    |
| 80   | 18   | —    | 7.3      | 6.5  |
| 100  | 18   | —    | 8.5      | 8.5  |
| 150  | 18   | —    | 14.1     | 12.3 |
| 200  | 18   | —    | 19.8     | 18.4 |
| 250  | 19.5 | —    | 27.4     | 24.5 |
| 300  | 23   | —    | 42.8     | 38   |
| 350  | 24   | 315  | 61.7     | 50   |
| 400  | 25   | 370  | 76.3     | 62   |
| 450  | 26   | 420  | 93.7     | 76   |
| 500  | 27   | 460  | 107      | 91   |
| 600  | 29.5 | 565  | 132      | 128  |
| 700  | 31   | 665  | 202      | 170  |
| 800  | 33   | 760  | 275      | 225  |
| 900  | 35   | 860  | 353      | 300  |
| 1000 | 37   | 960  | 454      | 370  |
| 1200 | 41   | 1160 | 813      | 580  |
| 1400 | 43   | 1260 | 1018     | 1027 |

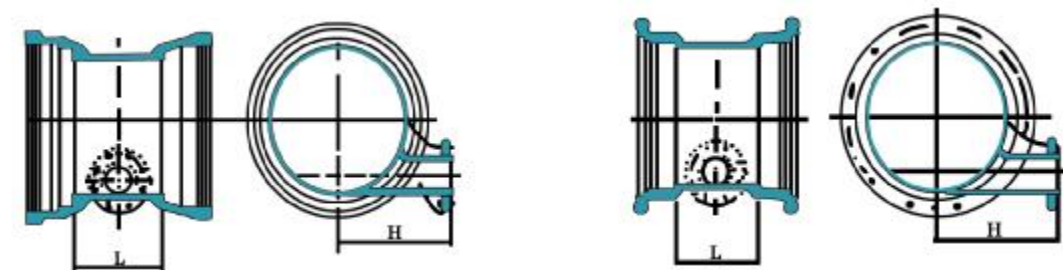


| DN   | DE   | T    | t    | K&R  | L   | Mass(kg) |      |
|------|------|------|------|------|-----|----------|------|
|      |      |      |      |      |     | T        | K    |
| 100  | 118  | 18   | 7.2  | —    | 200 | 4.5      | 2.8  |
| 150  | 170  | 18   | 7.8  | —    | 225 | 4.5      | 4.7  |
| 200  | 222  | 18   | 8.4  | —    | 250 | 14.8     | 8    |
| 250  | 274  | 19.5 | 9.0  | —    | 250 | 21.5     | 10.2 |
| 300  | 326  | 23   | 9.6  | —    | 275 | 33.5     | 13.4 |
| 350  | 378  | 24   | 10.2 | 315  | 275 | 45.5     | 21.0 |
| 400  | 429  | 25   | 10.8 | 370  | 275 | 56.0     | 26.5 |
| 450  | 480  | 26   | 11.4 | 420  | 275 | 68.5     | 32.1 |
| 500  | 532  | 27   | 12   | 460  | 275 | 81       | 43.2 |
| 600  | 635  | 29.5 | 13.2 | 565  | 300 | 112      | 55.3 |
| 700  | 738  | 31   | 14.4 | 665  | 300 | 193      | 166  |
| 800  | 842  | 33   | 15.6 | 760  | 300 | 259      | 250  |
| 900  | 945  | 35   | 16.8 | 860  | 350 | 337      | 333  |
| 1000 | 1048 | 37   | 18   | 960  | 350 | 437      | 434  |
| 1200 | 1255 | 41   | 20.4 | 1160 | 350 | 783      | 671  |
| 1400 | 1462 | 43   | 22.4 | 1260 | 350 | 1078     | 1110 |



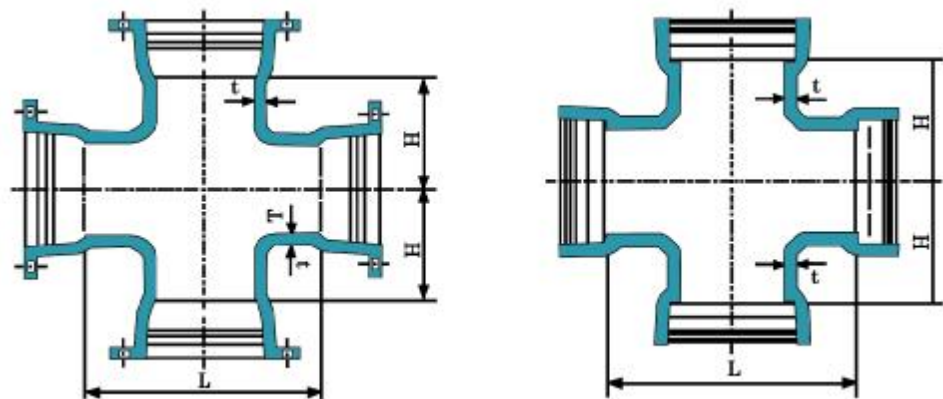
Double socket level invert tee with flanged branch  
双承单支盘排泥三通

| 主管  | 支管  | L   | H   | Mass(kg) |      |      |      |      |      |
|-----|-----|-----|-----|----------|------|------|------|------|------|
|     |     |     |     | T        |      |      | K    |      |      |
|     |     |     |     | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 200 | 80  | 175 | 235 | 33,2     | 33,2 | 33,2 | 39   | 39   | 39   |
|     | 100 | 200 | 240 | 36,5     | 36,5 | 37   | 41   | 41   | 41,5 |
|     | 150 | 255 | 250 | 44       | 44   | 45   | 48,5 | 48,5 | 49,5 |
| 250 | 80  | 180 | 265 | 45,7     | 45,7 | 46,3 | 48,8 | 48,8 | 48,8 |
|     | 100 | 200 | 270 | 47,5     | 47,5 | 49   | 51,1 | 51,1 | 52,6 |
|     | 150 | 260 | 280 | 62,6     | 62,6 | 63,5 | 66,2 | 66,2 | 67,1 |
|     | 200 | 315 | 290 | 65       | 65   | 67   | 68,6 | 68,6 | 70,6 |
| 300 | 80  | 180 | 295 | 57       | 57   | 57   | 64,6 | 64,6 | 64,6 |
|     | 100 | 205 | 300 | 59       | 59   | 60,5 | 69,8 | 69,8 | 71,3 |
|     | 150 | 260 | 310 | 74       | 74   | 75   | 74,8 | 74,8 | 75,8 |
| 350 | 200 | 320 | 320 | 80       | 79   | 82   | 90,8 | 90,8 | 92,8 |
|     | 80  | 185 | 325 | 70,2     | 70,2 | 70,2 | 77,5 | 77,5 | 77,5 |
|     | 100 | 205 | 330 | 73       | 73   | 73   | 83,4 | 83,4 | 83,4 |
|     | 150 | 260 | 340 | 91,5     | 91,5 | 92   | 102  | 102  | 102  |
| 400 | 200 | 325 | 350 | 96       | 96   | 98   | 106  | 106  | 108  |
|     | 100 | 210 | 360 | 89       | 89   | 89   | 99,4 | 99,4 | 99,4 |
|     | 150 | 270 | 370 | 101      | 101  | 102  | 111  | 111  | 112  |
|     | 200 | 325 | 380 | 115      | 114  | 116  | 125  | 125  | 126  |
| 450 | 250 | 385 | 390 | 134      | 133  | 138  | 144  | 144  | 148  |
|     | 100 | 215 | 390 | 114      | 114  | 114  | 121  | 121  | 121  |
|     | 150 | 270 | 400 | 130      | 130  | 131  | 137  | 137  | 138  |
|     | 200 | 330 | 410 | 142      | 142  | 144  | 149  | 149  | 151  |
|     | 250 | 390 | 420 | 155      | 154  | 159  | 162  | 162  | 166  |
| 500 | 300 | 445 | 430 | 174      | 174  | 180  | 181  | 181  | 187  |
|     | 100 | 215 | 420 | 124      | 124  | 125  | 130  | 130  | 131  |
|     | 150 | 275 | 430 | 149      | 150  | 151  | 155  | 156  | 157  |
|     | 200 | 330 | 340 | 158      | 157  | 159  | 164  | 164  | 165  |
|     | 250 | 390 | 450 | 182      | 181  | 185  | 188  | 188  | 191  |
|     | 300 | 450 | 460 | 201      | 201  | 206  | 207  | 207  | 212  |
| 600 | 350 | 505 | 470 | 214      | 219  | 233  | 220  | 245  | 239  |
|     | 100 | 220 | 480 | 156      | 156  | 157  | 164  | 164  | 165  |
|     | 150 | 280 | 490 | 199      | 199  | 200  | 197  | 197  | 198  |
|     | 200 | 340 | 500 | 205      | 205  | 207  | 203  | 203  | 205  |
|     | 250 | 395 | 510 | 239      | 238  | 243  | 237  | 236  | 241  |
|     | 300 | 455 | 520 | 257      | 257  | 261  | 255  | 255  | 259  |



Double socket level invert tee with flanged branch  
双承单支盘排泥三通

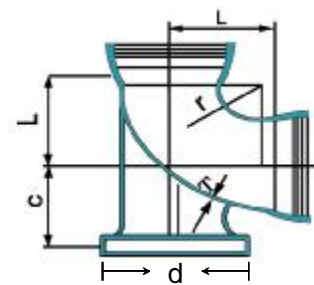
| 主管   | 支管  | L    | H    | Mass(kg) |      |      |      |      |      |
|------|-----|------|------|----------|------|------|------|------|------|
|      |     |      |      | T        |      |      | K    |      |      |
|      |     |      |      | PN10     | PN16 | PN25 | PN10 | PN16 | PN25 |
| 600  | 350 | 510  | 530  | 283      | 289  | 295  | 281  | 287  | 293  |
|      | 400 | 570  | 540  | 294      | 300  | 310  | 292  | 298  | 308  |
| 700  | 100 | 345  | 510  | 261      | 261  | 362  | 253  | 253  | 254  |
|      | 150 | 345  | 520  | 265      | 265  | 266  | 255  | 255  | 256  |
|      | 200 | 345  | 525  | 269      | 269  | 271  | 280  | 280  | 282  |
|      | 300 | 460  | 540  | 324      | 324  | 330  | 320  | 319  | 326  |
| 800  | 100 | 350  | 570  | 328      | 328  | 329  | 308  | 308  | 309  |
|      | 150 | 350  | 580  | 335      | 335  | 336  | 310  | 310  | 311  |
|      | 200 | 350  | 585  | 336      | 336  | 338  | 335  | 335  | 337  |
|      | 250 | 410  | 595  | 379      | 379  | 383  | 355  | 354  | 358  |
| 900  | 300 | 465  | 600  | 401      | 401  | 407  | 380  | 379  | 385  |
|      | 150 | 355  | 630  | 409      | 409  | 410  | 382  | 382  | 383  |
|      | 200 | 355  | 645  | 416      | 416  | 418  | 396  | 396  | 398  |
|      | 300 | 470  | 660  | 491      | 491  | 497  | 460  | 459  | 465  |
|      | 400 | 590  | 675  | 537      | 542  | 553  | 504  | 508  | 519  |
| 1000 | 100 | 360  | 690  | 451      | 451  | 451  | 451  | 451  | 451  |
|      | 150 | 360  | 700  | 462      | 462  | 465  | 462  | 462  | 465  |
|      | 200 | 360  | 705  | 514      | 514  | 516  | 514  | 514  | 516  |
|      | 300 | 480  | 720  | 608      | 608  | 614  | 608  | 608  | 614  |
| 1200 | 200 | 375  | 825  | 751      | 751  | 753  | 751  | 751  | 753  |
|      | 400 | 605  | 855  | 938      | 942  | 954  | 938  | 942  | 954  |
| 1400 | 200 | 565  | 920  | 1308     | 1308 | 1308 | 1308 | 1308 | 1308 |
|      | 400 | 800  | 950  | 1493     | 1505 | 1515 | 1493 | 1505 | 1512 |
|      | 600 | 1030 | 980  | 1626     | 1656 | 1671 | 1626 | 1656 | 1671 |
| 1600 | 400 | 810  | 1060 |          |      |      | 1718 | 1722 | 1734 |
| 1800 | 400 | 820  | 1170 |          |      |      | 2247 | 2251 | 2265 |
| 2000 | 400 | 835  | 1280 |          |      |      | 2783 | 2788 | 2802 |
|      | 600 | 1065 | 1310 |          |      |      | 3113 | 3139 | 3152 |



All socket cross    全承四通

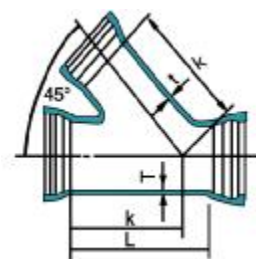
| DN  | dn  | T    | t    | L   | H   | S   | 全承四通 |      | 承插双承四通 |      |
|-----|-----|------|------|-----|-----|-----|------|------|--------|------|
|     |     |      |      |     |     |     | T 型  | K 型  | T 型    | K 型  |
| 100 | 100 | 7.2  | 7.2  | 190 | 95  | 180 | 19.8 | 29.3 | 21.2   | 27.6 |
| 150 | 100 | 7.8  | 7.2  | 195 | 120 | 180 | 26.6 | 36.4 | 28.8   | 35.4 |
|     | 150 |      | 7.8  | 255 | 125 | 180 | 33.6 | 43.8 | 36.2   | 42.4 |
| 200 | 100 | 8.4  | 7.2  | 200 | 145 | 180 | 34.2 | 43.4 | 37.5   | 43.7 |
|     | 150 |      | 7.8  | 255 | 150 | 180 | 41.7 | 51.2 | 45.3   | 51.3 |
|     | 200 |      | 8.4  | 315 | 155 | 180 | 50.9 | 59.7 | 54.3   | 59.4 |
| 200 | 100 | 9    | 7.2  | 200 | 170 | 180 | 44.9 | 52.4 | 48.1   | 53.7 |
|     | 150 |      | 7.8  | 260 | 175 | 180 | 57.9 | 65.8 | 59     | 64.2 |
|     | 200 |      | 8.4  | 315 | 180 | 180 | 64.2 | 71.4 | 67     | 71.3 |
|     | 250 |      | 9    | 375 | 190 | 180 | 75.1 | 80.7 | 78.2   | 80.9 |
| 300 | 100 | 9.6  | 7.2  | 205 | 195 | 180 | 55.7 | 71.2 | 61.8   | 71.2 |
|     | 150 |      | 7.8  | 260 | 200 | 180 | 71.1 | 87   | 74.2   | 83.5 |
|     | 200 |      | 8.4  | 320 | 205 | 180 | 77.6 | 92.8 | 82.6   | 90.9 |
|     | 250 |      | 9    | 375 | 210 | 180 | 93.3 | 107  | 96.9   | 104  |
|     | 300 |      | 9.6  | 435 | 220 | 180 | 101  | 123  | 108    | 123  |
| 350 | 200 | 10.2 | 8.4  | 320 | 235 | 180 | 91.7 | 107  | 97.4   | 106  |
|     | 250 |      | 9    | 380 | 240 | 180 | 110  | 123  | 114    | 121  |
|     | 300 |      | 9.6  | 440 | 245 | 180 | 123  | 144  | 128    | 143  |
|     | 350 |      | 10.2 | 495 | 250 | 180 | 137  | 157  | 142    | 157  |
| 400 | 200 | 10.8 | 8.4  | 325 | 255 | 180 | 108  | 122  | 114    | 121  |
|     | 250 |      | 9    | 385 | 265 | 180 | 130  | 143  | 133    | 139  |
|     | 300 |      | 9.6  | 440 | 270 | 180 | 142  | 163  | 147    | 161  |
|     | 350 |      | 10.2 | 500 | 275 | 180 | 157  | 178  | 163    | 177  |
| 500 | 400 | 12   | 10.8 | 560 | 280 | 180 | 177  | 198  | 182    | 198  |
|     | 250 |      | 9    | 390 | 315 | 200 | 174  | 183  | 176    | 179  |

| DN   | dn   | T    | t    | L    | H   | S   | 全承四通 |      | 承插双承四通 |      |
|------|------|------|------|------|-----|-----|------|------|--------|------|
|      |      |      |      |      |     |     | T 型  | K 型  | T 型    | K 型  |
| 500  | 300  | 12   | 9.6  | 450  | 320 | 200 | 191  | 208  | 193    | 205  |
|      | 350  |      | 10.2 | 505  | 325 | 200 | 207  | 223  | 229    | 222  |
|      | 400  |      | 10.8 | 565  | 330 | 200 | 223  | 239  | 274    | 239  |
|      | 500  |      | 12   | 680  | 340 | 200 | 272  | 284  | 296    | 280  |
| 600  | 300  | 13.2 | 9.6  | 455  | 370 | 200 | 249  | 256  | 247    | 257  |
|      | 350  |      | 10.2 | 510  | 375 | 200 | 267  | 274  | 265    | 273  |
|      | 400  |      | 10.8 | 570  | 380 | 200 | 278  | 284  | 282    | 288  |
|      | 500  |      | 12   | 685  | 390 | 200 | 330  | 332  | 330    | 332  |
|      | 600  |      | 13.2 | 800  | 400 | 200 | 399  | 392  | 394    | 388  |
| 700  | 350  | 14.4 | 10.2 | 520  | 425 | 250 | 413  | 410  | 374    | 368  |
|      | 400  |      | 10.8 | 575  | 430 | 250 | 447  | 441  | 408    | 399  |
|      | 500  |      | 12   | 690  | 440 | 250 | 520  | 510  | 481    | 468  |
|      | 600  |      | 13.2 | 810  | 450 | 250 | 607  | 589  | 568    | 547  |
| 800  | 700  | 15.6 | 14.4 | 925  | 460 | 250 | 712  | 691  | 673    | 649  |
|      | 400  |      | 10.8 | 580  | 480 | 250 | 548  | 527  | 499    | 477  |
|      | 500  |      | 12   | 700  | 490 | 250 | 632  | 608  | 583    | 558  |
|      | 600  |      | 13.2 | 815  | 500 | 250 | 725  | 692  | 676    | 642  |
|      | 700  |      | 14.4 | 930  | 510 | 250 | 831  | 796  | 782    | 746  |
| 900  | 800  | 16.8 | 15.6 | 1045 | 525 | 250 | 963  | 914  | 914    | 864  |
|      | 500  |      | 12   | 705  | 540 | 250 | 757  | 729  | 697    | 662  |
|      | 600  |      | 13.2 | 820  | 550 | 250 | 859  | 823  | 799    | 756  |
|      | 700  |      | 14.4 | 935  | 560 | 250 | 969  | 930  | 909    | 863  |
| 1000 | 800  | 18   | 15.6 | 1050 | 575 | 250 | 1105 | 1052 | 1045   | 985  |
|      | 900  |      | 16.8 | 1170 | 585 | 250 | 1262 | 1205 | 1202   | 1138 |
|      | 600  |      | 13.2 | 825  | 600 | 300 | 1011 | 1003 | 938    | 904  |
|      | 700  |      | 14.4 | 940  | 610 | 300 | 1130 | 1120 | 1057   | 1021 |
| 1200 | 800  | 20.4 | 15.6 | 1060 | 625 | 300 | 1276 | 1251 | 1203   | 1152 |
|      | 900  |      | 16.8 | 1175 | 635 | 300 | 1432 | 1404 | 1359   | 1305 |
|      | 1000 |      | 18   | 1290 | 645 | 300 | 1612 | 1612 | 1539   | 1513 |
|      | 800  |      | 15.6 | 1070 | 725 | 300 | 1677 | 1652 | 1579   | 1499 |
| 1400 | 900  | 22.8 | 16.8 | 1185 | 735 | 300 | 1847 | 1818 | 1749   | 1665 |
|      | 1000 |      | 18   | 1300 | 745 | 300 | 2034 | 2034 | 1936   | 1881 |
|      | 1200 |      | 20.4 | 1535 | 765 | 300 | 2497 | 2497 | 2399   | 2344 |
|      | 900  |      | 16.8 | 1200 | 835 | 300 | 2261 | 2232 | 2184   | 2063 |
| 1400 | 1000 | 22.8 | 18   | 1315 | 845 | 300 | 2468 | 2468 | 2391   | 2299 |
|      | 1200 |      | 20.4 | 1545 | 865 | 300 | 2940 | 2940 | 2863   | 2771 |
|      | 1400 |      | 22.8 | 1780 | 890 | 300 | 3446 | 3446 | 3369   | 3277 |



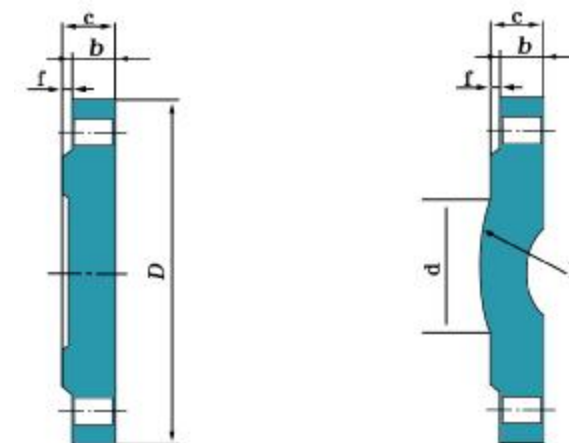
90° Double-Socket duckfoot bend 双承鸭脚弯管

| DN   | T    | L    | r    | c   | d    | T 型  | K 型  |
|------|------|------|------|-----|------|------|------|
| 80   | 7    | 100  | 80   | 110 | 180  | 15.1 | 17.1 |
| 100  | 7.2  | 120  | 95   | 125 | 200  | 19.8 | 23   |
| 125  | 7.5  | 145  | 120  | 140 | 225  | 26.9 | 29.5 |
| 150  | 7.8  | 170  | 145  | 160 | 250  | 34.4 | 37   |
| 200  | 8.4  | 220  | 195  | 190 | 300  | 53.4 | 54.8 |
| 250  | 9    | 270  | 245  | 225 | 350  | 85   | 84.8 |
| 300  | 9.6  | 320  | 290  | 255 | 400  | 117  | 125  |
| 350  | 10.2 | 370  | 340  | 290 | 450  | 158  | 165  |
| 400  | 10.8 | 420  | 390  | 320 | 500  | 204  | 208  |
| 450  | 11.4 | 470  | 435  | 355 | 550  | 273  | 271  |
| 500  | 12   | 520  | 485  | 385 | 600  | 325  | 325  |
| 600  | 13.2 | 620  | 580  | 450 | 700  | 485  | 477  |
| 700  | 14.4 | 720  | 655  | 515 | 800  | 688  | 678  |
| 800  | 15.6 | 820  | 745  | 580 | 900  | 941  | 916  |
| 900  | 16.8 | 920  | 855  | 645 | 1000 | 1249 | 1220 |
| 1000 | 18   | 1020 | 945  | 710 | 1100 | 1615 | 1585 |
| 1100 | 19.2 | 1120 | 1065 | 775 | 1200 | 2131 | 2087 |
| 1200 | 20.4 | 1220 | 1155 | 840 | 1300 | 2762 | 2690 |



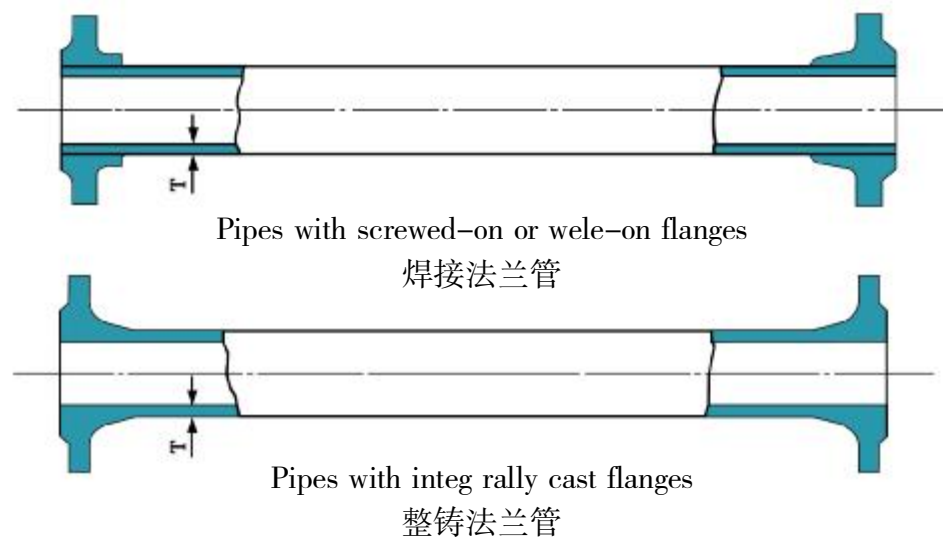
All-socket tee with 45° angle branch 全承 45° 斜三通

| DN  | dn  | T    | t    | L    | K    | Mass(kg) |
|-----|-----|------|------|------|------|----------|
| 80  | 80  | 8.1  | 8.1  | 500  | 375  | 19.0     |
| 100 | 100 | 8.4  | 8.4  | 540  | 405  | 25.5     |
| 150 | 150 | 9.1  | 9.1  | 640  | 480  | 45.5     |
| 200 | 200 | 9.8  | 9.8  | 735  | 560  | 71.5     |
| 250 | 250 | 10.5 | 10.5 | 830  | 640  | 106      |
| 300 | 300 | 11.2 | 11.2 | 930  | 715  | 151      |
| 350 | 350 | 11.9 | 11.9 | 880  | 790  | 169      |
| 400 | 400 | 12.6 | 12.6 | 970  | 870  | 209      |
| 450 | 450 | 13.3 | 13.3 | 1060 | 950  | 281      |
| 500 | 500 | 14.0 | 14.0 | 1140 | 1025 | 347      |
| 600 | 600 | 15.4 | 15.4 | 1310 | 1180 | 511      |

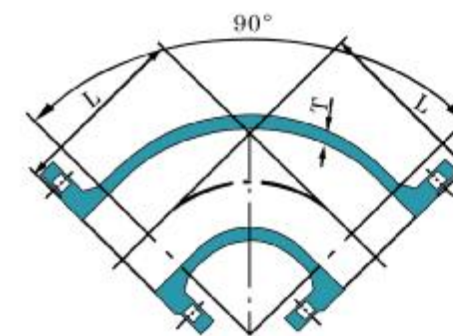


DN ≤ 250 Blank flanges DN ≥ 300 盲法兰

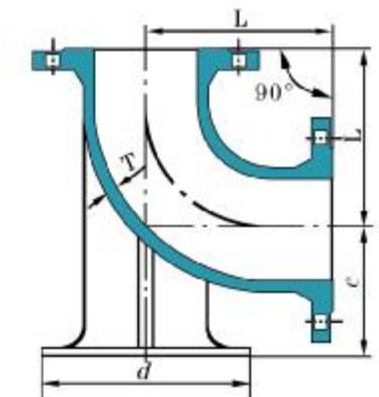
| DN   | Mass( kg ) |        |       |       |
|------|------------|--------|-------|-------|
|      | PN10       | PN16   | PN25  | PN40  |
| 80   | 3.9        | 3.9    | 3.9   | 3.9   |
| 100  | 4.7        | 4.7    | 5.3   | 5.3   |
| 125  | 6.2        | 6.2    | 6.8   | 9.1   |
| 150  | 7.9        | 7.9    | 9.1   | 12.5  |
| 200  | 12.1       | 11.9   | 14.6  | 22.6  |
| 250  | 18.6       | 18.3   | 23.1  | 38.0  |
| 300  | 26.4       | 25.9   | 33.0  | 56.1  |
| 350  | 32.5       | 36.9   | 47.9  | 81.4  |
| 400  | 40.2       | 49.0   | 63.8  | 116.6 |
| 450  | 51.2       | 69.9   | 86.9  | 129.8 |
| 500  | 61.6       | 84.7   | 103.4 | 165.0 |
| 600  | 93.5       | 133.1  | 158.4 | 255.2 |
| 700  | 135.3      | 171.6  |       |       |
| 800  | 189.2      | 239.8  |       |       |
| 900  | 246.4      | 314.6  |       |       |
| 1000 | 322.3      | 425.7  |       |       |
| 1100 | 445.5      | 569.8  |       |       |
| 1200 | 632.5      | 728.2  |       |       |
| 1400 | 812.9      | 1093.4 |       |       |
| 1500 | 888.8      | 1201.2 |       |       |
| 1600 | 1362.9     | 1549.9 |       |       |
| 1800 | 1888.7     | 2043.8 |       |       |
| 2000 | 2499.2     | 2647.7 |       |       |
| 2200 | 2478.3     | 3406.7 |       |       |
| 2400 | 3059.1     | 4249.3 |       |       |
| 2600 | 3701.5     | 5187.6 |       |       |



| DN   | Barrel |        | Flange mass           |      |      |                                       |       |      |
|------|--------|--------|-----------------------|------|------|---------------------------------------|-------|------|
|      | K      |        | Integral flange 整铸法兰盘 |      |      | Screwed-on or welded on flanges 焊接法兰盘 |       |      |
|      | T      | Mass/m | PN10                  | PN16 | PN25 | PN10                                  | PN16  | PN25 |
| 80   | 8.1    | 16.1   | 2.9                   | 2.9  | 2.9  | 3.5                                   | 3.5   | 3.5  |
| 100  | 8.4    | 20.4   | 3.3                   | 3.3  | 3.3  | 4                                     | 4     | 4.5  |
| 125  | 8.8    | 26.4   | 4                     | 4    | 4.6  | 5                                     | 5     | 5.6  |
| 150  | 9.1    | 32.4   | 4.9                   | 4.9  | 5.9  | 6.1                                   | 6.1   | 7.1  |
| 200  | 9.8    | 46.1   | 6.8                   | 6.6  | 8.7  | 8.5                                   | 8.3   | 10.4 |
| 250  | 10.5   | 61.3   | 9.8                   | 9.2  | 13.1 | 11.8                                  | 11.4  | 15.3 |
| 300  | 11.2   | 78.1   | 12.8                  | 12.4 | 18   | 15.6                                  | 15.2  | 20.8 |
| 350  | 11.9   | 96.5   | 14.1                  | 17.2 | 25.5 | 17.6                                  | 20.7  | 29   |
| 400  | 12.6   | 116.2  | 16.3                  | 21.9 | 33.2 | 20.5                                  | 26.1  | 37.4 |
| 450  | 13.3   | 137.5  | 18.1                  | 26.7 | 42.2 | 24.1                                  |       |      |
| 500  | 14     | 160.6  | 21.8                  | 37   | 48.7 | 27.6                                  | 42.8  | 54.5 |
| 600  | 15.4   | 211.3  | 30.8                  | 57.3 | 71.5 | 38.4                                  | 64.9  | 79.1 |
| 700  | 16.8   | 268.4  | 40.5                  | 55.6 | 90.3 | 50.2                                  | 65.3  |      |
| 800  | 18.2   | 332.1  | 54.8                  | 74   | 123  | 66.7                                  | 85.9  |      |
| 900  | 19.6   | 401.7  | 64.3                  | 88.2 | 149  | 78.7                                  | 102.6 |      |
| 1000 | 21     | 477.7  | 81.4                  | 123  | 201  | 98.6                                  | 140.1 |      |
| 1100 | 22.4   | 560.4  | 105                   | 141  | 224  |                                       |       |      |
| 1200 | 23.8   | 649    | 121                   | 185  | 285  | 144.2                                 | 208.5 |      |
| 1400 | 26.6   | 845.7  | 148                   | 216  | 368  | 178.2                                 | 246.3 |      |
| 1500 | 28     | 953.2  | 201.4                 | 289  |      |                                       |       |      |
| 1600 | 29.4   | 1067   | 206.4                 | 308  | 486  | 244.7                                 | 346.7 |      |
| 1800 | 32.2   | 1314.2 | 236.3                 | 362  | 602  | 283.5                                 | 409.4 |      |
| 2000 | 35     | 1586.8 | 279.4                 | 432  | 785  | 336.4                                 | 489.2 |      |
| 2200 | 37.8   | 1883.9 | 345.6                 | 512  |      | 413.2                                 | 579.9 |      |
| 2400 | 40.6   | 2207   | 398.8                 | 601  |      | 478                                   | 680.3 |      |
| 2600 | 43.4   | 2555.5 | 436.9                 | 672  |      | 528.6                                 | 763.7 |      |

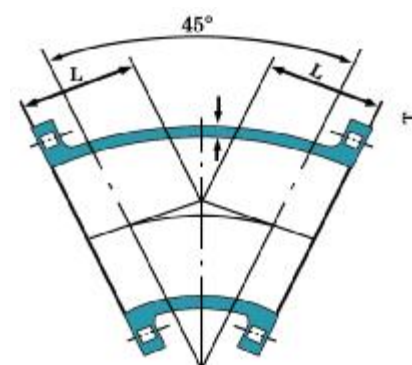


90° Double-flanged bend  
90° 双法兰弯管



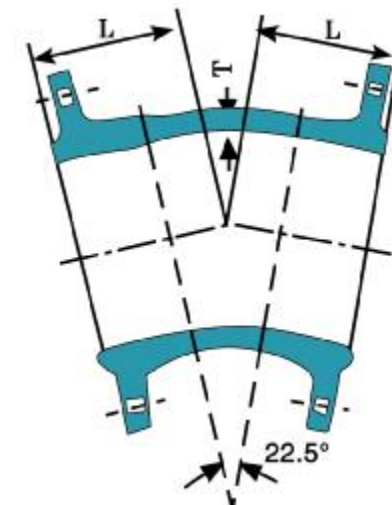
90° Double-flanged duckfoot bend  
90° 双法兰鸭脚弯管

| DN   | T    | 90° Bends |          |      |      | 90° Duckfoot bends |     |      |          |      |      |
|------|------|-----------|----------|------|------|--------------------|-----|------|----------|------|------|
|      |      | L         | Mass(kg) |      |      | L                  | C   | d    | Mass(kg) |      |      |
|      |      |           | PN10     | PN16 | PN25 |                    |     |      | PN10     | PN16 | PN25 |
| 80   | 7    | 165       | 9.6      | 9.6  | 9.6  | 165                | 110 | 180  | 14.8     | 14.8 |      |
| 100  | 7.2  | 180       | 11.9     | 11.9 | 12.9 | 180                | 125 | 200  | 18.2     | 18.2 |      |
| 125  | 7.5  | 200       | 15.6     | 15.6 | 16.9 | 200                | 140 | 225  | 24.5     | 24.5 |      |
| 150  | 7.8  | 220       | 20       | 20   | 22   | 220                | 160 | 250  | 31.5     | 31.5 |      |
|      |      |           |          |      |      |                    |     |      |          |      |      |
| 200  | 8.4  | 260       | 31       | 30.5 | 34.5 | 260                | 190 | 300  | 49       | 48.5 |      |
| 250  | 9    | 350       | 50       | 49.5 | 57   | 350                | 225 | 350  | 78.5     | 77.5 |      |
| 300  | 9.6  | 400       | 70       | 70   | 81   | 400                | 255 | 400  | 111      | 111  |      |
| 350  | 10.2 | 450       | 94.5     | 101  | 119  | 450                | 290 | 450  | 147      | 153  |      |
|      |      |           |          |      |      |                    |     |      |          |      |      |
| 400  | 10.8 | 500       | 122      | 133  | 157  | 500                | 320 | 500  | 192      | 201  |      |
| 450  | 11.4 | 550       | 154      | 168  | 200  | 550                | 350 | 550  | 245      | 261  |      |
| 500  | 12   | 600       | 190      | 222  | 247  | 600                | 385 | 600  | 309      | 336  |      |
| 600  | 13.2 | 700       | 286      | 341  | 371  | 700                | 450 | 700  | 475      | 522  |      |
|      |      |           |          |      |      |                    |     |      |          |      |      |
| 700  | 14.4 | 800       | 405      | 437  |      | 800                | 515 | 800  | 684      | 708  |      |
| 800  | 15.6 | 900       | 560      | 601  |      | 900                | 580 | 900  | 944      | 974  |      |
| 900  | 16.8 | 1000      | 733      | 782  |      | 1000               | 645 | 1000 | 1252     | 1290 |      |
| 1000 | 18   | 1100      | 952      | 1040 |      | 1100               | 710 | 1100 | 1629     | 1698 |      |
| 1100 | 19.2 | 1200      | 1222     | 1296 |      | 1200               | 775 | 1200 | 2080     | 2150 |      |
| 1200 | 20.4 | 1300      | 1525     | 1640 |      | 1300               | 840 | 1300 | 2599     | 2709 |      |
| 1400 | 22.8 | 1350      | 2199     | 2165 |      |                    |     |      |          |      |      |
| 1500 | 24   | 1400      | 2386     | 2571 |      |                    |     |      |          |      |      |
| 1600 | 25.2 | 1450      | 2796     | 2983 |      |                    |     |      |          |      |      |
| 1800 | 27.6 | 1500      | 3515     | 3750 |      |                    |     |      |          |      |      |



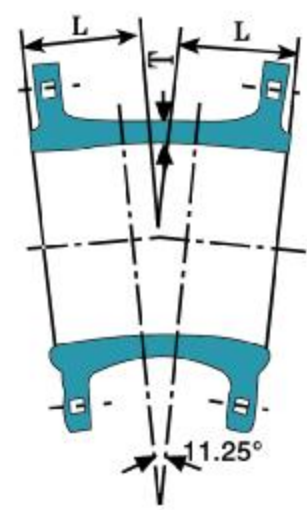
45° Double-flanged bend
45° 双法兰弯管

| DN   | T    | L    | Mass( kg ) |      |      |
|------|------|------|------------|------|------|
|      |      |      | PN10       | PN16 | PN25 |
| 80   | 7    | 130  | 9.3        | 9.3  | 9.3  |
| 100  | 7.2  | 140  | 11.3       | 11.3 | 12.4 |
| 125  | 7.5  | 150  | 14.6       | 14.6 | 15.9 |
| 150  | 7.8  | 160  | 18.5       | 18.5 | 20.5 |
| 200  | 8.4  | 180  | 27.5       | 27   | 31   |
| 250  | 9    | 350  | 55         | 54   | 62   |
| 300  | 9.6  | 400  | 78         | 77   | 88   |
| 350  | 10.2 | 298  | 76         | 83   | 89   |
| 400  | 10.8 | 324  | 96         | 107  | 129  |
| 450  | 11.4 | 349  | 116        | 132  | 158  |
| 500  | 12   | 375  | 145        | 175  | 198  |
| 600  | 13.2 | 426  | 212        | 266  | 294  |
| 700  | 14.4 | 478  | 296        | 326  | —    |
| 800  | 15.6 | 529  | 403        | 442  | —    |
| 900  | 16.8 | 581  | 519        | 567  | —    |
| 1000 | 18   | 632  | 668        | 751  | —    |
| 1100 | 19.2 | 695  | 857        | 927  | —    |
| 1200 | 20.4 | 750  | 1050       | 1178 | —    |
| 1400 | 22.8 | 775  | 1388       | 1524 | —    |
| 1500 | 24   | 810  | 1677       | 1853 | —    |
| 1600 | 25.2 | 845  | 1915       | 2119 | —    |
| 1800 | 27.6 | 910  | 2465       | 2717 | —    |
| 2000 | 30   | 980  | 3149       | 3455 | —    |
| 2200 | 32.4 | 880  | 3446       | 3804 | —    |
| 2400 | 34.8 | 945  | 4277       | 4719 | —    |
| 2600 | 37.2 | 1005 | 5175       | 5695 | —    |



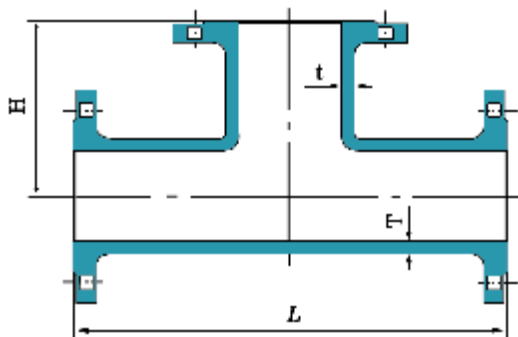
22.5° Double-flanged bend
22.5° 双法兰弯管

| DN   | T    | L   | Mass( kg ) |       |      |
|------|------|-----|------------|-------|------|
|      |      |     | PN10       | PN16  | PN25 |
| 80   | 7    | 130 | 9.4        | 9.4   | 9.4  |
| 100  | 7.2  | 140 | 11.5       | 11.5  | 12.5 |
| 125  | 7.5  | 150 | 14.7       | 14.7  | 15.9 |
| 150  | 7.8  | 160 | 18.7       | 18.7  | 19.7 |
| 200  | 8.4  | 180 | 27.9       | 27.4  | 31.6 |
| 250  | 9    | 350 | 55.9       | 55.2  | 62.8 |
| 300  | 9.6  | 400 | 78.8       | 77.5  | 89   |
| 350  | 10.2 | 298 | 77.3       | 83.6  | 100  |
| 400  | 10.8 | 324 | 96.7       | 108.4 | 131  |
| 450  | 11.4 | 349 | 122        | 138   | 160  |
| 500  | 12   | 375 | 146        | 176   | 200  |
| 600  | 13.2 | 426 | 215        | 268   | 297  |
| 700  | 14.4 | 478 | 299        | 329   | —    |
| 800  | 15.6 | 529 | 409        | 477   | —    |
| 900  | 16.8 | 581 | 526        | 577   | —    |
| 1000 | 18   | 632 | 677        | 760   | —    |
| 1100 | 19.2 | 683 | 877        | 947   | —    |
| 1200 | 20.4 | 735 | 1095       | 1223  | —    |
| 1400 | 22.8 | 835 | 1497       | 1633  | —    |
| 1500 | 24   | 885 | 1838       | 2014  | —    |
| 1600 | 25.2 | 940 | 2119       | 2324  | —    |
| 1800 | 27.6 | 480 | 1640       | 1864  | —    |
| 2000 | 30   | 520 | 2081       | 2357  | —    |
| 2200 | 32.4 | 560 | 2485       | 2819  | —    |
| 2400 | 34.8 | 600 | 3023       | 3425  | —    |
| 2600 | 37.2 | 640 | 3646       | 4116  | —    |



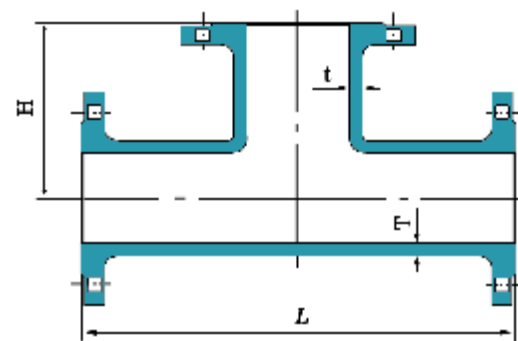
11.25° Double-flanged bend
11.25° 双法兰弯管

| DN   | T    | L   | Mass( kg ) |      |      |
|------|------|-----|------------|------|------|
|      |      |     | PN10       | PN16 | PN25 |
| 80   | 7    | 130 | 9.5        | 9.5  | 9.5  |
| 100  | 7.2  | 140 | 11.5       | 11.5 | 12.5 |
| 125  | 7.5  | 150 | 14.8       | 14.8 | 16   |
| 150  | 7.8  | 160 | 18.6       | 18.6 | 20.6 |
| 200  | 8.4  | 180 | 27.9       | 27.5 | 31.7 |
| 250  | 9    | 350 | 55.8       | 55   | 62.8 |
| 300  | 9.6  | 400 | 78.8       | 78   | 89.2 |
| 350  | 10.2 | 298 | 77.3       | 83.5 | 100  |
| 400  | 10.8 | 324 | 96.8       | 108  | 131  |
| 450  | 11.4 | 349 | 118        | 135  | 166  |
| 500  | 12   | 375 | 147        | 177  | 201  |
| 600  | 13.2 | 426 | 216        | 269  | 299  |
| 700  | 14.4 | 478 | 301        | 331  | —    |
| 800  | 15.6 | 529 | 412        | 449  | —    |
| 900  | 16.8 | 581 | 529        | 577  | —    |
| 1000 | 18   | 632 | 681        | 764  | —    |
| 1100 | 19.2 | 683 | 882        | 952  | —    |
| 1200 | 20.4 | 735 | 1060       | 1189 | —    |
| 1400 | 22.8 | 835 | 1506       | 1612 | —    |
| 1500 | 24   | 885 | 1849       | 2025 | —    |
| 1600 | 25.2 | 940 | 2132       | 2337 | —    |
| 1800 | 27.6 | 345 | 1342       | 1566 | —    |
| 2000 | 30   | 375 | 1694       | 1970 | —    |
| 2200 | 32.4 | 405 | 1996       | 2330 | —    |
| 2400 | 34.8 | 435 | 2420       | 2825 | —    |
| 2600 | 37.2 | 465 | 2900       | 3370 | —    |



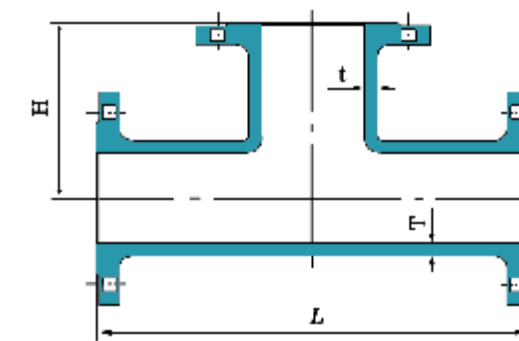
All-flanged tee
全法兰三通

| DN  | dn  | T    | L   | t    | H   | Mass(kg) |      |      |
|-----|-----|------|-----|------|-----|----------|------|------|
|     |     |      |     |      |     | PN10     | PN16 | PN25 |
| 80  | 80  | 7    | 330 | 7    | 165 | 15.6     | 15.6 | 15.6 |
|     | 100 | 7.2  | 360 | 7    | 175 | 18.4     | 18.4 | 19.5 |
| 150 | 80  | 7.8  | 440 | 7.2  | 180 | 19.4     | 19.4 | 21   |
|     | 100 |      |     | 7    | 205 | 28.5     | 28.5 | 31   |
|     | 150 |      |     | 7.2  | 210 | 29.5     | 29.5 | 32   |
|     | 200 |      |     | 7.8  | 220 | 32.5     | 32.5 | 36   |
| 200 | 80  | 8.4  | 520 | 7    | 235 | 42       | 41.5 | 46   |
|     | 100 |      |     | 7.2  | 240 | 43       | 42   | 47.5 |
|     | 150 |      |     | 7.8  | 250 | 46       | 45.5 | 51   |
|     | 200 |      |     | 8.4  | 260 | 49.5     | 49   | 56   |
| 250 | 80  | 9    | 700 | 7    | 270 | 49.7     | 49.3 | 56.7 |
|     | 100 |      |     | 7.2  | 275 | 68       | 67   | 75   |
|     | 150 |      |     | 7.8  | 300 | 72       | 71   | 81   |
|     | 200 |      |     | 8.4  | 325 | 76       | 75   | 85   |
| 300 | 250 | 9.6  | 800 | 9    | 350 | 82       | 81   | 93   |
|     | 100 |      |     | 7.2  | 300 | 94       | 93   | 105  |
|     | 150 |      |     | 7.8  | 325 | 98       | 97   | 109  |
|     | 200 |      |     | 8.4  | 350 | 102      | 101  | 114  |
| 350 | 250 | 10.2 | 850 | 9    | 375 | 109      | 108  | 121  |
|     | 300 |      |     | 9.6  | 400 | 116      | 115  | 131  |
|     | 100 |      |     | 7.2  | 325 | 116      | 122  | 139  |
|     | 150 |      |     | 7.8  | 325 | 119      | 125  | 142  |
| 400 | 200 | 10.8 | 900 | 8.4  | 325 | 121      | 128  | 146  |
|     | 250 |      |     | 9    | 325 | 128      | 134  | 154  |
|     | 300 |      |     | 9.6  | 425 | 132      | 138  | 160  |
|     | 350 |      |     | 10.2 | 425 | 142      | 151  | 176  |
| 450 | 100 | 11.4 | 950 | 7.2  | 350 | 143      | 154  | 177  |
|     | 150 |      |     | 7.8  | 350 | 144      | 156  | 181  |
|     | 200 |      |     | 8.4  | 350 | 148      | 159  | 184  |
|     | 250 |      |     | 9    | 350 | 151      | 161  | 198  |
|     | 300 |      |     | 9.6  | 450 | 160      | 184  | 213  |
|     | 350 |      |     | 10.2 | 450 | 170      | 183  | 215  |
|     | 400 |      |     | 10.8 | 450 | 174      | 191  | 225  |
|     | 450 |      |     | 11.4 | 475 | 176      | 193  | 225  |
| 450 | 100 | 11.4 | 950 | 7.2  | 375 | 176      | 193  | 225  |
|     | 150 |      |     | 7.8  | 375 | 182      | 199  | 231  |
|     | 200 |      |     | 8.4  | 375 | 190      | 207  | 240  |
|     | 250 |      |     | 9    | 375 | 199      | 216  | 250  |
|     | 300 |      |     | 9.6  | 475 | 210      | 227  | 263  |
|     | 350 |      |     | 10.2 | 475 | 219      | 240  | 279  |
|     | 400 |      |     | 10.8 | 475 | 231      | 254  | 296  |
|     | 450 |      |     | 11.4 | 475 | 243      | 269  | 315  |



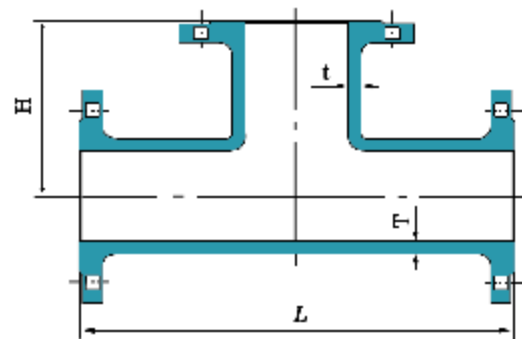
All-flanged tee 全法兰三通

| DN  | dn  | T    | L    | t    | H   | Mass(kg) |      |      |
|-----|-----|------|------|------|-----|----------|------|------|
|     |     |      |      |      |     | PN10     | PN16 | PN25 |
| 500 | 100 | 12   | 1000 | 7.2  | 400 | 210      | 241  | 265  |
|     | 150 |      |      | 7.8  | 400 | 214      | 243  | 269  |
|     | 200 |      |      | 8.4  | 400 | 215      | 245  | 271  |
|     | 250 |      |      | 9    | 400 | 218      | 258  | 280  |
|     | 300 |      |      | 9.6  | 500 | 227      | 255  | 287  |
|     | 350 |      |      | 10.2 | 500 | 239      | 262  | 298  |
|     | 400 |      |      | 10.8 | 500 | 242      | 276  | 311  |
|     | 450 |      |      | 11.4 | 500 | 249      | 298  | 327  |
|     | 500 |      |      | 12   | 500 | 252      | 297  | 332  |
| 600 | 100 | 13.2 | 1100 | 7.2  | 450 | 268      | 329  | 352  |
|     | 150 |      |      | 7.8  | 450 | 283      | 340  | 370  |
|     | 200 |      |      | 8.4  | 450 | 305      | 358  | 388  |
|     | 250 |      |      | 9    | 450 | 307      | 360  | 392  |
|     | 300 |      |      | 9.6  | 550 | 312      | 374  | 398  |
|     | 350 |      |      | 10.2 | 550 | 326      | 380  | 413  |
|     | 400 |      |      | 10.8 | 550 | 329      | 387  | 427  |
|     | 450 |      |      | 11.4 | 550 | 338      | 417  | 448  |
|     | 500 |      |      | 12   | 550 | 349      | 420  | 464  |
| 700 | 600 | 14.4 | 1200 | 13.2 | 550 | 355      | 434  | 477  |
|     | 100 |      |      | 7.2  | 510 | 253      | 295  |      |
|     | 150 |      |      | 7.8  | 515 | 255      | 296  |      |
|     | 200 |      |      | 8.4  | 525 | 258      | 298  |      |
|     | 250 |      |      | 9    | 530 | 310      | 335  |      |
|     | 300 |      |      | 9.6  | 540 | 319      | 342  |      |
|     | 350 |      |      | 10.2 | 550 | 340      | 375  |      |
|     | 400 |      |      | 10.8 | 555 | 343      | 379  |      |
|     | 450 |      |      | 11.4 | 565 | 429      | 436  |      |
| 800 | 500 | 15.6 | 1350 | 12   | 570 | 442      | 481  |      |
|     | 600 |      |      | 13.2 | 585 | 476      | 523  |      |
|     | 700 |      |      | 14.4 | 600 | 477      | 523  |      |
|     | 100 |      |      | 7.2  | 570 | 345      | 383  |      |
|     | 150 |      |      | 7.8  | 575 | 349      | 387  |      |
|     | 200 |      |      | 8.4  | 585 | 352      | 390  |      |
|     | 250 |      |      | 9    | 595 | 372      | 410  |      |
|     | 300 |      |      | 9.6  | 600 | 423      | 427  |      |
|     | 350 |      |      | 10.2 | 610 | 443      | 471  |      |



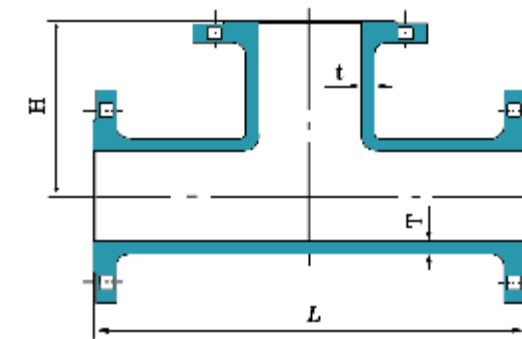
All-flanged tee 全法兰三通

| DN   | dn   | T    | L    | t    | H   | Mass(kg) |      |      |
|------|------|------|------|------|-----|----------|------|------|
|      |      |      |      |      |     | PN10     | PN16 | PN25 |
| 800  | 800  | 15.6 | 1350 | 15.6 | 675 | 657      | 715  |      |
|      | 100  |      | 620  | 7.2  | 630 | 428      | 476  |      |
|      | 150  |      | 675  | 7.8  | 635 | 432      | 480  |      |
|      | 200  |      | 730  | 8.4  | 645 | 436      | 484  |      |
|      | 250  |      | 785  | 9    | 655 | 499      | 533  |      |
|      | 300  |      | 840  | 9.6  | 660 | 523      | 569  |      |
|      | 350  |      | 895  | 10.2 | 670 | 538      | 588  |      |
|      | 400  |      | 950  | 10.8 | 675 | 541      | 594  |      |
|      | 450  |      | 1005 | 11.4 | 685 | 673      | 729  |      |
| 900  | 500  | 16.8 | 1060 | 12   | 690 | 726      | 784  |      |
|      | 600  |      | 1500 | 13.2 | 705 | 787      | 860  |      |
|      | 700  |      | 1500 | 14.4 | 720 | 843      | 901  |      |
|      | 800  |      | 1500 | 15.6 | 735 | 860      | 913  |      |
|      | 900  |      | 1500 | 16.8 | 750 | 853      | 924  |      |
|      | 100  |      | 660  | 7.2  | 690 | 524      | 572  |      |
|      | 150  |      | 715  | 7.8  | 695 | 534      | 582  |      |
|      | 200  |      | 770  | 8.4  | 705 | 546      | 629  |      |
|      | 250  |      | 825  | 9    | 715 | 631      | 703  |      |
| 1000 | 300  | 18   | 880  | 9.6  | 720 | 651      | 739  |      |
|      | 350  |      | 935  | 10.2 | 730 | 660      | 753  |      |
|      | 400  |      | 990  | 10.8 | 735 | 668      | 755  |      |
|      | 450  |      | 1045 | 11.2 | 745 | 850      | 911  |      |
|      | 500  |      | 1100 | 12   | 750 | 955      | 1007 |      |
|      | 600  |      | 1650 | 13.2 | 765 | 1007     | 1116 |      |
|      | 700  |      | 1650 | 14.4 | 780 | 1067     | 1152 |      |
|      | 800  |      | 1650 | 15.6 | 795 | 1085     | 1168 |      |
|      | 900  |      | 1650 | 16.8 | 710 | 1095     | 1219 |      |
| 1200 | 1000 | 20.4 | 1650 | 18   | 825 | 1105     | 1229 |      |
|      | 100  |      | 660  | 7.2  | 810 | 996      | 1082 |      |
|      | 150  |      | 715  | 7.8  | 815 | 998      | 1084 |      |
|      | 200  |      | 775  | 8.4  | 825 | 1000     | 1086 |      |
|      | 250  |      | 830  | 9    | 835 | 1002     | 1094 |      |
|      | 300  |      | 890  | 9.6  | 840 | 1004     | 1106 |      |
|      | 350  |      | 950  | 10.2 | 850 | 1006     | 1113 |      |
|      | 400  |      | 1005 | 10.8 | 855 | 1008     | 1122 |      |
|      | 500  |      | 1120 | 12   | 870 | 1109     | 1255 |      |



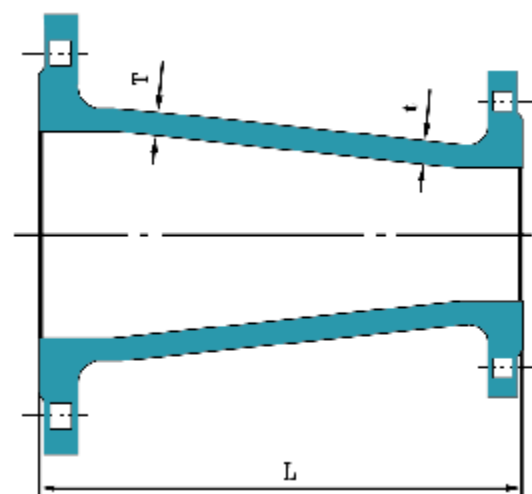
All-flanged tee 全法兰三通

| DN   | dn   | T    | L    | t    | H    | Mass(kg) |      |      |
|------|------|------|------|------|------|----------|------|------|
|      |      |      |      |      |      | PN10     | PN16 | PN25 |
| 1200 | 1200 | 20.4 | 1935 | 20.4 | 975  | 1636     | 1823 |      |
|      | 100  |      | 970  | 7.2  | 905  | 1227     | 1363 |      |
|      | 200  |      | 1085 | 8.4  | 920  | 1231     | 1367 |      |
|      | 400  |      | 1320 | 10.8 | 950  | 1514     | 1656 |      |
| 1400 | 600  | 22.8 | 1550 | 13.2 | 980  | 1555     | 1818 |      |
|      | 800  |      | 1760 | 15.6 | 1010 | 1886     | 2041 |      |
|      | 1000 |      | 2015 | 18   | 1040 | 2131     | 2309 |      |
|      | 1200 |      | 2245 | 20.4 | 1070 | 2567     | 2767 |      |
|      | 1400 |      | 2480 | 22.8 | 1100 | 2781     | 2985 |      |
|      | 1600 |      | 2760 | 25.2 | 1120 | 2985     | 3200 |      |
| 1600 | 100  | 25.2 | 1020 | 7.2  | 1015 | 1874     | 2078 |      |
|      | 200  |      | 1135 | 8.4  | 1030 | 1880     | 2084 |      |
|      | 400  |      | 1370 | 10.8 | 1060 | 2000     | 2210 |      |
|      | 600  |      | 1600 | 13.2 | 1090 | 2167     | 2398 |      |
|      | 800  |      | 1835 | 15.6 | 1120 | 2452     | 2675 |      |
|      | 1000 |      | 2065 | 18   | 1150 | 2740     | 2986 |      |
|      | 1200 |      | 2300 | 20.4 | 1180 | 3058     | 3327 |      |
|      | 1400 |      | 2530 | 22.8 | 1210 | 3498     | 3770 |      |
| 1800 | 1600 | 27.6 | 2760 | 25.2 | 1240 | 3886     | 4192 |      |
|      | 100  |      | 1075 | 7.2  | 1125 | 2346     | 2598 |      |
|      | 200  |      | 1190 | 8.4  | 1140 | 2350     | 2602 |      |
|      | 400  |      | 1420 | 10.8 | 1170 | 2574     | 2835 |      |
|      | 600  |      | 1655 | 13.2 | 1200 | 2694     | 2972 |      |
|      | 800  |      | 1885 | 15.6 | 1230 | 3023     | 3299 |      |
|      | 1000 |      | 2120 | 18   | 1260 | 3375     | 3669 |      |
|      | 1200 |      | 2350 | 20.4 | 1290 | 3740     | 4056 |      |
|      | 1400 |      | 2580 | 22.8 | 1320 | 4254     | 4574 |      |
|      | 1600 |      | 2815 | 25.2 | 1350 | 4691     | 5147 |      |
|      | 1800 |      | 3045 | 27.6 | 1380 | 5123     | 5501 |      |
|      | 2000 |      | 3330 | 30   | 1420 | 5648     | 6033 |      |
| 2000 | 100  | 30   | 1125 | 7.2  | 1235 | 2836     | 3142 |      |
|      | 200  |      | 1240 | 8.4  | 1250 | 2840     | 3146 |      |
|      | 400  |      | 1475 | 10.8 | 1280 | 3002     | 3314 |      |
|      | 600  |      | 1705 | 13.2 | 1310 | 3309     | 3642 |      |
|      | 800  |      | 1940 | 15.6 | 1340 | 3844     | 4169 |      |
|      | 1000 |      | 2170 | 18   | 1370 | 4112     | 4459 |      |
|      | 1200 |      | 2400 | 20.4 | 1400 | 4681     | 5051 |      |
|      | 1400 |      | 2635 | 22.8 | 1430 | 4966     | 5340 |      |
|      | 1600 |      | 2865 | 25.2 | 1460 | 5625     | 6033 |      |
|      | 1800 |      | 3100 | 27.6 | 1490 | 6115     | 6547 |      |
|      | 2000 |      | 3330 | 30   | 1520 | 6648     | 7107 |      |
|      | 2200 |      | 3565 | 32.4 | 1550 | 7200     | 7680 |      |
| 2200 | 600  | 32.4 | 1560 | 13.2 | 1420 | 3675     | 4033 |      |
|      | 800  |      | 1780 | 15.6 | 1450 | 4298     | 4654 |      |



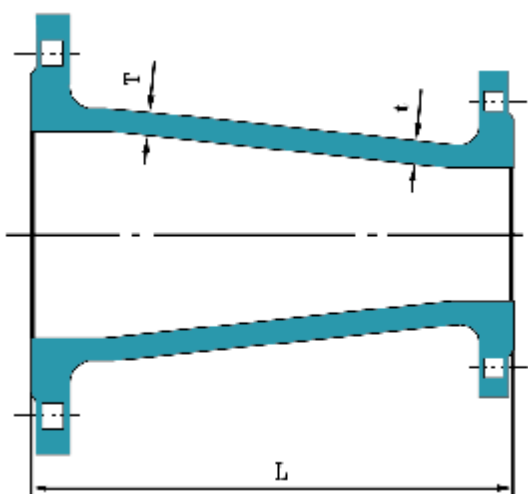
All-flanged tee 全法兰三通

| DN   | dn   | T    | L    | t    | H    | Mass(kg) |       |      |
|------|------|------|------|------|------|----------|-------|------|
|      |      |      |      |      |      | PN10     | PN16  | PN25 |
| 2200 | 1000 | 32.4 | 2000 | 18   | 1480 | 4753     | 5128  |      |
|      | 1200 |      | 2220 | 20.4 | 1510 | 5026     | 5413  |      |
|      | 1400 |      | 2440 | 22.8 | 1540 | 5709     | 6106  |      |
|      | 1600 |      | 2660 | 25.2 | 1570 | 6234     | 6664  |      |
|      | 1800 |      | 2880 | 27.6 | 1600 | 6474     | 6934  |      |
|      | 2000 |      | 3100 | 30   | 1630 | 7316     | 7795  |      |
|      | 2200 |      | 3320 | 32.4 | 1660 | 7954     | 8464  |      |
|      | 2400 |      | 3540 | 34.8 | 1690 | 8591     | 9185  |      |
| 2400 | 600  | 34.8 | 1620 | 13.2 | 1530 | 4418     | 4849  |      |
|      | 800  |      | 1840 | 15.6 | 1560 | 5200     | 5671  |      |
|      | 1000 |      | 2060 | 18   | 1590 | 5721     | 6211  |      |
|      | 1200 |      | 2280 | 20.4 | 1620 | 5963     | 6432  |      |
|      | 1400 |      | 2500 | 22.8 | 1650 | 6804     | 7317  |      |
|      | 1600 |      | 2720 | 25.2 | 1680 | 7392     | 7937  |      |
|      | 1800 |      | 2940 | 27.6 | 1710 | 7614     | 8145  |      |
|      | 2000 |      | 3160 | 30   | 1740 | 8591     | 9185  |      |
|      | 2200 |      | 3380 | 32.4 | 1770 | 9275     | 9901  |      |
|      | 2400 |      | 3600 | 34.8 | 1800 | 10031    | 10715 |      |
|      | 2600 |      | 3820 | 37.2 | 1830 | 10787    | 11501 |      |
|      | 2800 |      | 4040 | 39.6 | 1860 | 11543    | 12285 |      |
| 2600 | 600  | 37.2 | 1680 | 13.2 | 1640 | 5214     | 5711  |      |
|      | 800  |      | 1900 | 15.6 | 1670 | 6076     | 6596  |      |
|      | 1000 |      | 2120 | 18   | 1700 | 6673     | 7213  |      |
|      | 1200 |      | 2340 | 20.4 | 1730 | 7289     | 7850  |      |
|      | 1400 |      | 2560 | 22.8 | 1760 | 7585     | 8123  |      |
|      | 1600 |      | 2780 | 25.2 | 1790 | 8564     | 9159  |      |
|      | 1800 |      | 3000 | 27.6 | 1820 | 9213     | 9831  |      |
|      | 2000 |      | 3220 | 30   | 1850 | 9505     | 10128 |      |
|      | 2200 |      | 3440 | 32.4 | 1880 | 10647    | 11323 |      |
|      | 2400 |      | 3660 | 34.8 | 1910 | 11455    | 12188 |      |
|      | 2600 |      | 3880 | 37.2 | 1940 | 12230    | 12988 |      |
|      | 2800 |      | 4100 | 39.6 | 1970 | 13005    | 13783 |      |



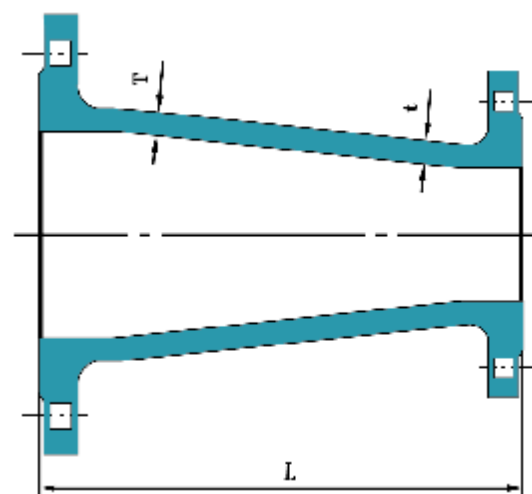
Double-flanged taper 双法兰渐缩

| DN  | dn  | T    | t    | L   | Mass(kg) |      |      |
|-----|-----|------|------|-----|----------|------|------|
|     |     |      |      |     | PN10     | PN16 | PN25 |
| 100 | 80  | 7.2  | 7    | 200 | 9,3      | 9,3  | 9,8  |
| 125 | 100 | 7.5  | 7.2  | 200 | 11,3     | 11,3 | 12,5 |
| 150 | 80  | 7.8  | 7    | 400 | 16,4     | 16,4 | 17,4 |
|     | 100 |      | 7.2  | 300 | 16       | 16   | 17,5 |
| 125 | 100 | 7.8  | 7.5  | 200 | 14       | 14   | 15,5 |
|     | 100 |      | 7.2  | 600 | 27,5     | 27,5 | 30   |
| 200 | 150 | 8.4  | 7.8  | 300 | 22,5     | 22   | 25   |
|     | 150 |      | 7.8  | 600 | 39       | 39   | 43,5 |
| 250 | 200 | 9    | 8.4  | 300 | 31       | 30   | 36   |
|     | 100 |      | 7.2  | 700 | 50,5     | 50,5 | 57   |
| 300 | 150 | 9.6  | 7.8  | 650 | 48,5     | 48,5 | 55   |
|     | 200 |      | 8.4  | 600 | 52       | 51,5 | 59   |
|     | 250 |      | 9    | 300 | 41       | 40   | 49   |
| 350 | 200 | 10.2 | 8.4  | 650 | 61,5     | 64   | 74   |
|     | 250 |      | 9    | 600 | 65,5     | 67,5 | 79,2 |
|     | 300 |      | 9.6  | 300 | 49,5     | 52   | 66   |
| 400 | 200 | 10.8 | 8.4  | 700 | 73,5     | 77,5 | 90,5 |
|     | 250 |      | 9    | 650 | 77       | 81,5 | 96   |
|     | 300 |      | 9.6  | 600 | 80,5     | 85   | 101  |
|     | 350 |      | 10.2 | 300 | 58       | 67   | 86   |
| 450 | 250 | 11.4 | 9    | 700 | 89,5     | 97   | 112  |
|     | 300 |      | 9.6  | 650 | 93,5     | 101  | 117  |
|     | 350 |      | 10.2 | 600 | 95,6     | 106  | 126  |
|     | 400 |      | 10.8 | 300 | 70,5     | 83   | 105  |
| 500 | 250 | 12   | 9    | 750 | 99,4     | 114  | 130  |
|     | 300 |      | 9.6  | 700 | 109      | 122  | 138  |
|     | 350 |      | 10.2 | 650 | 111      | 127  | 145  |
|     | 400 |      | 10.8 | 600 | 110      | 130  | 153  |



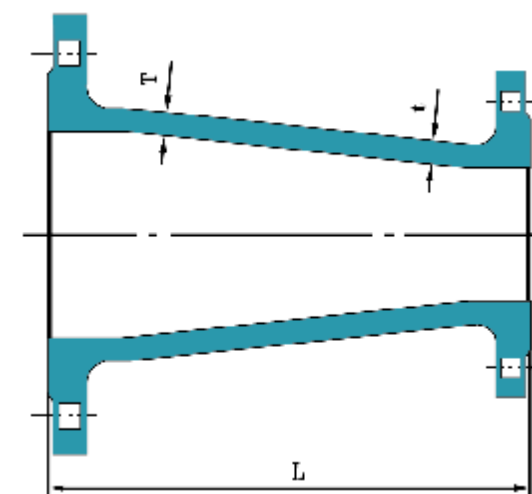
Double-flanged taper 双法兰渐缩

| DN   | dn   | T    | t    | L    | Mass(kg) |      |      |
|------|------|------|------|------|----------|------|------|
|      |      |      |      |      | PN10     | PN16 | PN25 |
| 500  | 450  | 12   | 11.4 | 300  | 83       | 104  | 126  |
|      | 300  |      | 9.6  | 800  | 145      | 171  | 191  |
| 600  | 350  | 13.2 | 10.2 | 750  | 147      | 174  | 193  |
|      | 400  |      | 10.8 | 700  | 150      | 178  | 201  |
|      | 450  |      | 11.4 | 650  | 151      | 183  | 260  |
|      | 500  |      | 12   | 600  | 149      | 190  | 216  |
| 700  | 400  | 14.4 | 10.8 | 800  | 196      | 212  | 251  |
|      | 450  |      | 11.4 | 750  | 197      | 211  | 251  |
|      | 500  |      | 12   | 700  | 200      | 225  | 252  |
|      | 600  |      | 13.2 | 600  | 195      | 236  | 288  |
| 800  | 450  | 15.6 | 11.4 | 850  | 263      | 286  | 347  |
|      | 500  |      | 12   | 800  | 256      | 284  | 347  |
|      | 600  |      | 13.2 | 700  | 260      | 298  | 340  |
|      | 700  |      | 14.4 | 600  | 250      | 285  | 374  |
| 900  | 450  | 16.8 | 11.4 | 950  | 347      | 380  | 467  |
|      | 500  |      | 12   | 900  | 338      | 370  | 470  |
|      | 600  |      | 13.2 | 800  | 318      | 360  | 462  |
|      | 700  |      | 14.4 | 700  | 321      | 352  | 446  |
| 1000 | 800  | 18   | 15.6 | 600  | 308      | 352  | 468  |
|      | 500  |      | 12   | 1000 | 452      | 501  |      |
|      | 600  |      | 13.2 | 900  | 422      | 490  |      |
|      | 700  |      | 14.4 | 800  | 396      | 422  |      |
| 1100 | 800  | 19.2 | 15.6 | 700  | 399      | 448  |      |
|      | 900  |      | 16.8 | 600  | 373      | 438  |      |
|      | 700  |      | 14.4 | 900  | 515      | 562  |      |
|      | 800  |      | 15.6 | 800  | 483      | 532  |      |
| 1000 | 900  | 19.2 | 16.8 | 700  | 476      | 530  |      |
|      | 1000 |      | 18   | 600  | 474      | 543  |      |



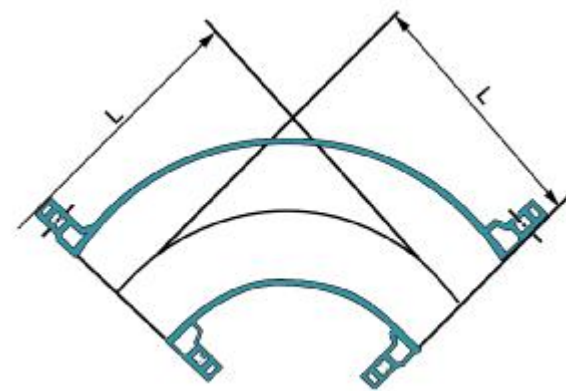
Double-flanged taper 双法兰渐缩

| DN   | dn   | T    | t    | L    | Mass(kg) |      |      |
|------|------|------|------|------|----------|------|------|
|      |      |      |      |      | PN10     | PN16 | PN25 |
| 1200 | 700  | 20.4 | 14.4 | 1345 | 711      | 777  |      |
|      | 800  |      | 15.6 | 1160 | 688      | 758  |      |
|      | 900  |      | 16.8 | 975  | 652      | 726  |      |
|      | 1000 |      | 18   | 790  | 586      | 692  |      |
|      | 1100 |      | 19.2 | 605  | 566      | 655  |      |
| 1400 | 800  | 22.8 | 15.6 | 1590 | 1034     | 1105 |      |
|      | 900  |      | 16.8 | 1405 | 998      | 1074 |      |
|      | 1000 |      | 18   | 1220 | 961      | 1052 |      |
|      | 1100 |      | 19.2 | 1035 | 914      | 1055 |      |
|      | 1200 |      | 20.4 | 850  | 814      | 947  |      |
| 1500 | 900  | 24   | 16.8 | 1620 | 1211     | 1317 |      |
|      | 1000 |      | 18   | 1435 | 1174     | 1297 |      |
|      | 1100 |      | 19.2 | 1250 | 1127     | 1250 |      |
|      | 1200 |      | 20.4 | 1065 | 1074     | 1216 |      |
|      | 1400 |      | 22.8 | 695  | 914      | 1058 |      |
| 1600 | 1000 | 25.2 | 18   | 1650 | 1424     | 1547 |      |
|      | 1100 |      | 19.2 | 1465 | 1377     | 1502 |      |
|      | 1200 |      | 20.4 | 1280 | 1324     | 1468 |      |
|      | 1400 |      | 22.8 | 910  | 1103     | 1273 |      |
|      | 1500 |      | 24   | 725  | 1073     | 1250 |      |
| 1800 | 1100 | 27.6 | 19.2 | 1895 | 1910     | 2057 |      |
|      | 1200 |      | 20.4 | 1710 | 1858     | 2024 |      |
|      | 1400 |      | 22.8 | 1340 | 1701     | 1870 |      |
|      | 1500 |      | 24   | 1155 | 1610     | 1810 |      |
|      | 1600 |      | 25.2 | 970  | 1436     | 1664 |      |
| 2000 | 1200 | 30   | 20.4 | 2140 | 2512     | 2705 |      |
|      | 1400 |      | 22.8 | 1770 | 2358     | 2553 |      |
|      | 1500 |      | 24   | 1585 | 2268     | 2494 |      |



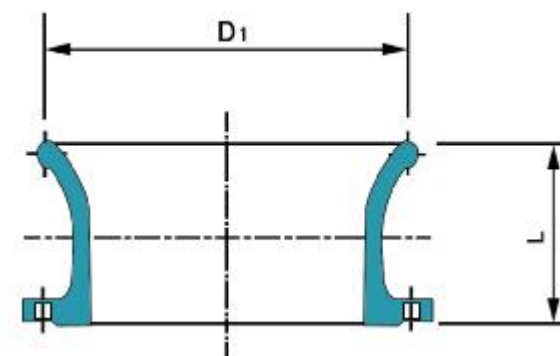
Double-flanged taper 双法兰渐缩

| DN   | dn   | T    | t    | L    | Mass(kg) |      |      |
|------|------|------|------|------|----------|------|------|
|      |      |      |      |      | PN10     | PN16 | PN25 |
| 2000 | 1600 | 30   | 25.2 | 1400 | 2176     | 2404 |      |
|      | 1800 |      | 27.6 | 1030 | 1800     | 2079 |      |
| 2200 | 1400 | 32.4 | 22.8 | 2200 | 3168     | 3385 |      |
|      | 1500 |      | 24   | 2015 | 3070     | 3328 |      |
|      | 1600 |      | 25.2 | 1830 | 2980     | 3240 |      |
|      | 1800 |      | 27.6 | 1460 | 2712     | 2994 |      |
|      | 2000 |      | 30   | 1090 | 2250     | 2570 |      |
| 2400 | 1500 | 34.8 | 24   | 2445 | 4006     | 4322 |      |
|      | 1600 |      | 25.2 | 2260 | 3919     | 4238 |      |
|      | 1800 |      | 27.6 | 1890 | 3557     | 3997 |      |
|      | 2000 |      | 30   | 1520 | 3338     | 3704 |      |
|      | 2200 |      | 32.4 | 1150 | 2765     | 3134 |      |
| 2600 | 1600 | 37.2 | 25.2 | 2690 | 4943     | 5286 |      |
|      | 1800 |      | 27.4 | 2320 | 4682     | 5047 |      |
|      | 2000 |      | 30   | 1950 | 4364     | 4755 |      |
|      | 2200 |      | 32.4 | 1580 | 3996     | 4419 |      |
|      | 2400 |      | 34.8 | 1210 | 3311     | 3748 |      |



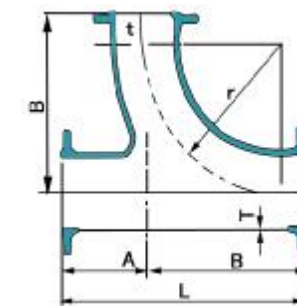
90° Double-flanged long radius bend  
90° 双法兰长径弯管

| DN   | T    | L    | Mass(kg) |      |      |
|------|------|------|----------|------|------|
|      |      |      | PN10     | PN16 | PN25 |
| 80   | 7    | 380  | 14.5     | 14.5 | 14.5 |
| 100  | 7.2  | 400  | 18       | 18   | 19   |
| 125  | 7.5  | 425  | 23.5     | 23.5 | 24.1 |
| 150  | 7.8  | 450  | 30.5     | 30.5 | 32.5 |
| 200  | 8.4  | 500  | 46.5     | 46   | 50   |
| 250  | 9    | 550  | 67       | 66   | 73.5 |
| 300  | 9.6  | 600  | 91       | 90.5 | 101  |
| 350  | 10.2 | 650  | 117      | 122  | 138  |
| 400  | 10.8 | 700  | 149      | 158  | 180  |
| 450  | 11.4 | 750  | 184      | 200  | 221  |
| 500  | 12   | 800  | 227      | 254  | 275  |
| 600  | 13.2 | 900  | 332      | 379  | 403  |
| 700  | 14.4 | 1000 | 466      | 489  |      |
| 800  | 15.6 | 1100 | 632      | 661  |      |
| 900  | 16.8 | 1200 | 816      | 854  |      |
| 1000 | 18   | 1300 | 1048     | 1117 |      |
| 1100 | 19.2 | 1400 | 1315     | 1385 |      |
| 1200 | 20.4 | 1500 | 1627     | 1737 |      |



Flanged bell mouth  
法兰铃口

| DN   | D1   | L    | Mass(kg) |      |      |
|------|------|------|----------|------|------|
|      |      |      | PN10     | PN16 | PN25 |
| 80   | 150  | 130  | 9        | 9    | 9    |
| 100  | 175  | 135  | 11       | 11   | 11   |
| 150  | 230  | 150  | 17       | 17   | 18   |
| 200  | 290  | 170  | 24       | 24   | 26   |
| 250  | 345  | 185  | 32       | 32   | 36   |
| 300  | 405  | 205  | 44       | 44   | 50   |
| 350  | 460  | 220  | 72       | 75   | 83   |
| 400  | 520  | 240  | 92       | 98   | 109  |
| 450  | 575  | 255  | 111      | 120  | 136  |
| 500  | 635  | 275  | 138      | 153  | 165  |
| 600  | 750  | 310  | 185      | 211  | 224  |
| 700  | 865  | 345  | 210      | 225  |      |
| 800  | 980  | 380  | 225      | 244  |      |
| 900  | 1095 | 415  | 260      | 284  |      |
| 1000 | 1210 | 450  | 327      | 369  |      |
| 1100 | 1325 | 485  | 370      | 405  |      |
| 1200 | 1440 | 520  | 457      | 512  |      |
| 1400 | 1670 | 590  | 646      | 702  |      |
| 1500 | 1785 | 625  | 763      | 851  |      |
| 1600 | 1900 | 660  | 906      | 995  |      |
| 1800 | 2130 | 730  | 1185     | 1297 |      |
| 2000 | 2360 | 800  | 1530     | 1668 |      |
| 2200 | 2590 | 870  | 1964     | 2135 |      |
| 2400 | 2820 | 940  | 2485     | 2713 |      |
| 2600 | 3050 | 1010 | 2989     | 3242 |      |



All-flanged tee with fradial branch 全法兰弧三通

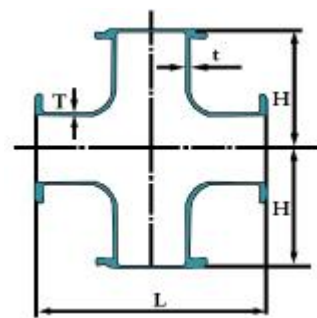
| DN × dn   | T    | t    | L    | A   | B   | r   | Mass<br>PN16 |
|-----------|------|------|------|-----|-----|-----|--------------|
| 80 × 80   | 8.1  | 8.1  | 545  | 165 | 380 | 330 | 23           |
| 100 × 100 | 8.4  | 8.4  | 580  | 180 | 400 | 340 | 29.5         |
| 150 × 150 | 9.1  | 9.1  | 670  | 220 | 450 | 385 | 47.9         |
| 200 × 200 | 9.8  | 9.8  | 760  | 250 | 500 | 430 | 71.6         |
| 250 × 250 | 10.5 | 10.5 | 900  | 350 | 550 | 475 | 104.8        |
| 300 × 300 | 11.2 | 11.2 | 1000 | 400 | 600 | 515 | 144.5        |
| 350 × 350 | 11.9 | 11.9 | 1100 | 450 | 650 | 560 | 203.4        |
| 400 × 400 | 12.6 | 12.6 | 1200 | 500 | 700 | 605 | 263.1        |
| 450 × 450 | 13.3 | 13.3 | 1300 | 550 | 750 | 650 | 332          |
| 500 × 500 | 14   | 14   | 1400 | 600 | 800 | 690 | 421.9        |
| 600 × 600 | 15.4 | 15.4 | 1500 | 700 | 900 | 780 | 623.7        |



减径法兰

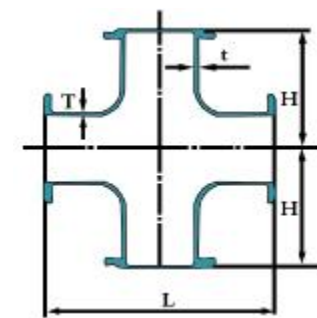
| DN × dn    | PN10 |    |      |    |    |      | PN16 |    |      |    |    |      |
|------------|------|----|------|----|----|------|------|----|------|----|----|------|
|            | D    | a  | b    | c1 | c2 | Mass | D    | a  | b    | c1 | c2 | Mass |
| 200 × 80   | 340  | 40 | 17   | 3  | 3  | 13.3 | 340  | 40 | 17   | 3  | 3  | 13   |
| 200 × 100  | 340  | 40 | 17   | 3  | 3  | 13.2 | 340  | 40 | 17   | 3  | 3  | 13   |
| 200 × 125  | 340  | 40 | 17   | 3  | 3  | 13.5 | 340  | 40 | 17   | 3  | 3  | 13.3 |
| 350 × 250  | 505  | 48 | 20.5 | 4  | 3  | 32   | 520  | 54 | 22.5 | 4  | 3  | 36.5 |
| 400 × 250  | 565  | 48 | 20.5 | 4  | 3  | 39   | 580  | 54 | 24   | 4  | 3  | 46   |
| 400 × 300  | 565  | 49 | 20.5 | 4  | 4  | 48   | 580  | 55 | 24   | 4  | 4  | 54.5 |
| 700 × 500  | 895  | 56 | 27.5 | 5  | 4  | 102  | 910  | 67 | 34.5 | 5  | 4  | 134  |
| 900 × 700  | 1115 | 63 | 32.5 | 5  | 5  | 165  | 1125 | 73 | 41.5 | 5  | 5  | 200  |
| 1000 × 700 | 1230 | 63 | 35   | 5  | 5  | 222  | 1255 | 73 | 45   | 5  | 5  | 285  |
| 1000 × 800 | 1230 | 68 | 35   | 5  | 5  | 209  | 1255 | 77 | 45   | 5  | 5  | 260  |

| DN × dn   | PN10 |    |    |    |    |      | PN16 |    |    |    |    |      |
|-----------|------|----|----|----|----|------|------|----|----|----|----|------|
|           | D    | a  | b  | c1 | c2 | Mass | D    | a  | b  | c1 | c2 | Mass |
| 200 × 80  | 360  | 19 | 19 | 3  | 3  | 15   | 375  | 40 | 27 | 3  | 3  | 20.5 |
| 200 × 100 | 360  | 19 | 19 | 3  | 3  | 16.8 | 375  | 47 | 27 | 3  | 3  | 21.5 |
| 200 × 125 | 360  | 19 | 19 | 3  | 3  | 18.8 | 375  | 53 | 27 | 3  | 3  | 22.5 |
| 350 × 250 | 555  | 26 | 26 | 4  | 3  | 48.5 |      |    |    |    |    |      |
| 400 × 250 | 620  | 28 | 28 | 4  | 3  | 61   |      |    |    |    |    |      |
| 400 × 300 | 620  | 28 | 28 | 4  | 4  | 60   |      |    |    |    |    |      |



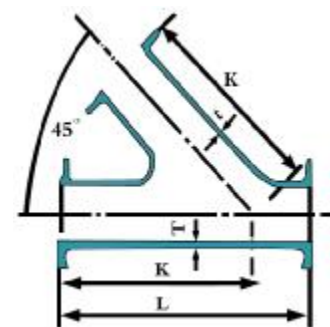
All-socket cross 全法兰四通

| DN  | dn  | T    | L   | t    | H   | Mass(kg) |      |      |
|-----|-----|------|-----|------|-----|----------|------|------|
|     |     |      |     |      |     | PN10     | PN16 | PN25 |
| 80  | 80  | 7    | 330 | 7    | 165 | 20.5     | 20.5 | 20.5 |
|     | 100 |      |     | 7    | 175 | 23       | 23   | 24.2 |
| 100 | 100 | 7.2  | 360 | 7.2  | 180 | 25       | 25   | 27.1 |
|     | 150 |      |     | 7    | 205 | 33.1     | 33.1 | 36.1 |
| 150 | 150 | 7.8  | 440 | 7.2  | 210 | 35.1     | 35.1 | 38.1 |
|     | 200 |      |     | 7.8  | 220 | 41.1     | 41.1 | 46.1 |
| 200 | 200 | 8.4  | 520 | 7    | 235 | 46.5     | 45.9 | 50.7 |
|     | 250 |      |     | 7.2  | 240 | 48.5     | 46.9 | 53.7 |
|     | 300 |      |     | 7.8  | 250 | 54.5     | 53.9 | 60.7 |
| 250 | 250 | 9    | 700 | 8.4  | 260 | 61.5     | 60.9 | 70.7 |
|     | 300 |      |     | 7    | 270 | 37.5     | 37.5 | 44.5 |
|     | 350 |      |     | 7.2  | 275 | 74.1     | 72.9 | 81.1 |
|     | 400 |      |     | 7.8  | 300 | 82.1     | 80.9 | 93.1 |
| 300 | 300 | 9.6  | 800 | 8.4  | 325 | 90.1     | 88.9 | 101  |
|     | 350 |      |     | 9    | 350 | 102      | 101  | 117  |
|     | 400 |      |     | 7.2  | 300 | 100      | 98.8 | 112  |
|     | 450 |      |     | 7.8  | 325 | 108      | 107  | 120  |
| 350 | 350 | 10.2 | 850 | 8.4  | 350 | 116      | 115  | 130  |
|     | 400 |      |     | 9    | 375 | 130      | 129  | 144  |
|     | 450 |      |     | 9.6  | 400 | 144      | 143  | 164  |
|     | 500 |      |     | 7.2  | 325 | 122      | 128  | 145  |
|     | 550 |      |     | 7.8  | 325 | 128      | 134  | 151  |
| 400 | 400 | 10.8 | 900 | 8.4  | 325 | 132      | 140  | 159  |
|     | 450 |      |     | 9    | 325 | 146      | 151  | 176  |
|     | 500 |      |     | 9.6  | 425 | 154      | 160  | 187  |
|     | 550 |      |     | 10.2 | 425 | 174      | 186  | 219  |
|     | 600 |      |     | 7.2  | 350 | 149      | 160  | 183  |
|     | 650 |      |     | 7.8  | 350 | 151      | 164  | 191  |
| 450 | 450 | 11.4 | 950 | 8.4  | 350 | 159      | 170  | 197  |
|     | 500 |      |     | 9    | 350 | 160      | 174  | 225  |
|     | 550 |      |     | 9.6  | 450 | 182      | 220  | 236  |
|     | 600 |      |     | 10.2 | 450 | 202      | 228  | 249  |
|     | 650 |      |     | 10.8 | 450 | 211      | 234  | 259  |



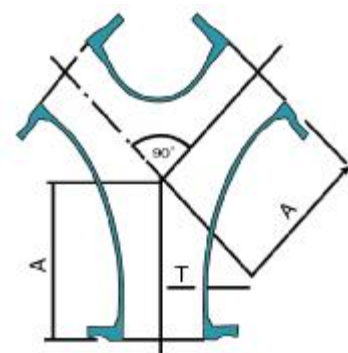
All-socket cross 全法兰四通

| DN  | dn  | T    | L    | t    | H   | Mass(kg) |      |      |
|-----|-----|------|------|------|-----|----------|------|------|
|     |     |      |      |      |     | PN10     | PN16 | PN25 |
| 450 | 100 | 11.4 | 950  | 7.2  | 375 | 186      | 203  | 235  |
|     | 150 |      |      | 7.8  | 375 | 198      | 215  | 248  |
|     | 200 |      |      | 8.4  | 375 | 213      | 230  | 265  |
|     | 250 |      |      | 9    | 375 | 231      | 248  | 286  |
|     | 300 |      |      | 9.6  | 475 | 253      | 270  | 312  |
|     | 350 |      |      | 10.2 | 475 | 272      | 296  | 343  |
|     | 400 |      |      | 10.8 | 475 | 296      | 324  | 378  |
|     | 450 |      |      | 11.4 | 475 | 320      | 354  | 416  |
| 500 | 100 | 12   | 1000 | 7.2  | 400 | 215      | 247  | 272  |
|     | 150 |      |      | 7.8  | 400 | 223      | 251  | 280  |
|     | 200 |      |      | 8.4  | 400 | 225      | 255  | 284  |
|     | 250 |      |      | 9    | 400 | 231      | 281  | 301  |
|     | 300 |      |      | 9.6  | 500 | 249      | 275  | 316  |
|     | 350 |      |      | 10.2 | 500 | 273      | 290  | 338  |
|     | 400 |      |      | 10.8 | 500 | 279      | 317  | 364  |
|     | 450 |      |      | 11.4 | 500 | 293      | 361  | 396  |
|     | 500 |      |      | 12   | 500 | 299      | 359  | 406  |
|     | 550 |      |      | 12   | 500 | 299      | 359  | 406  |
| 600 | 100 | 13.2 | 1100 | 7.2  | 450 | 242      | 311  | 329  |
|     | 150 |      |      | 7.8  | 450 | 272      | 333  | 365  |
|     | 200 |      |      | 8.4  | 450 | 316      | 369  | 401  |
|     | 250 |      |      | 9    | 450 | 321      | 373  | 409  |
|     | 300 |      |      | 9.6  | 550 | 330      | 400  | 420  |
|     | 350 |      |      | 10.2 | 550 | 358      | 413  | 451  |
|     | 400 |      |      | 10.8 | 550 | 364      | 427  | 479  |
|     | 450 |      |      | 11.4 | 550 | 382      | 487  | 521  |
|     | 500 |      |      | 12   | 550 | 403      | 494  | 553  |
|     | 600 |      |      | 13.2 | 550 | 416      | 521  | 579  |



All-flanged tee with 45° angle branch 全法兰 45° 斜三通

| DN × dn   | T    | t    | L    | K    | Mass<br>PN16 |
|-----------|------|------|------|------|--------------|
| 80 × 80   | 8.1  | 8.1  | 500  | 375  | 21.0         |
| 100 × 100 | 8.4  | 8.4  | 540  | 405  | 27.0         |
| 150 × 150 | 9.1  | 9.1  | 640  | 480  | 46.4         |
| 200 × 200 | 9.8  | 9.8  | 735  | 560  | 70.1         |
| 250 × 250 | 10.5 | 10.5 | 830  | 640  | 103.8        |
| 300 × 300 | 11.2 | 11.2 | 930  | 715  | 145.5        |
| 350 × 350 | 11.9 | 11.9 | 880  | 790  | 167.4        |
| 400 × 400 | 12.6 | 12.6 | 970  | 870  | 204.1        |
| 450 × 450 | 13.3 | 13.3 | 1060 | 950  | 277.0        |
| 500 × 500 | 14.0 | 14.0 | 1140 | 1025 | 350.9        |
| 600 × 600 | 15.4 | 15.4 | 1310 | 1180 | 540.7        |

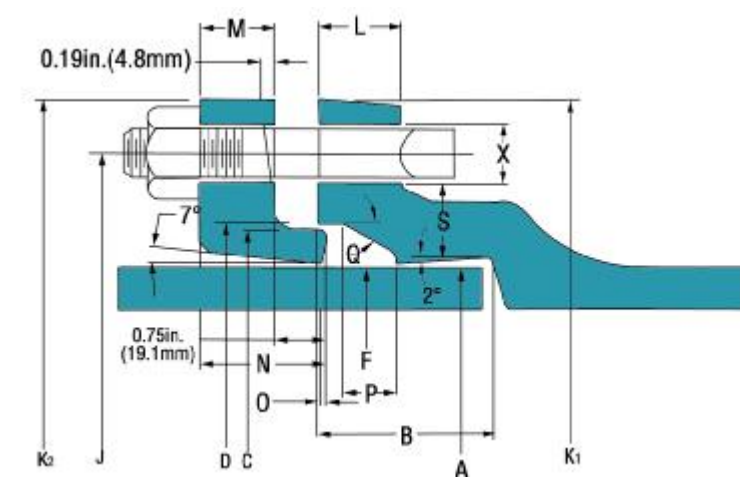


All-flanged 'Y' tee  
全法兰“Y”型三通

| DN × dn   | T    | t    | A   | Mass<br>PN16 |
|-----------|------|------|-----|--------------|
| 80 × 80   | 8.1  | 8.1  | 165 | 15,6         |
| 100 × 100 | 8.4  | 8.4  | 180 | 19,3         |
| 150 × 150 | 9.1  | 9.1  | 220 | 31,9         |
| 200 × 200 | 9.8  | 9.8  | 260 | 48,1         |
| 250 × 250 | 10.5 | 10.5 | 350 | 79,8         |
| 300 × 300 | 11.2 | 11.2 | 400 | 113,5        |
| 350 × 350 | 11.9 | 11.9 | 450 | 165,4        |
| 400 × 400 | 12.6 | 12.6 | 500 | 219,1        |
| 450 × 450 | 13.3 | 13.3 | 550 | 280          |
| 500 × 500 | 14   | 14   | 600 | 363,9        |
| 600 × 600 | 15.4 | 15.4 | 700 | 562,7        |

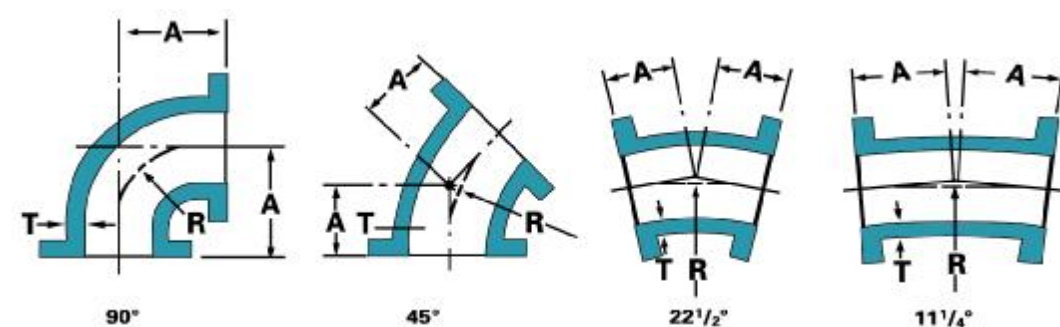
## Section 2

Standards: ANSI/AWWA C110



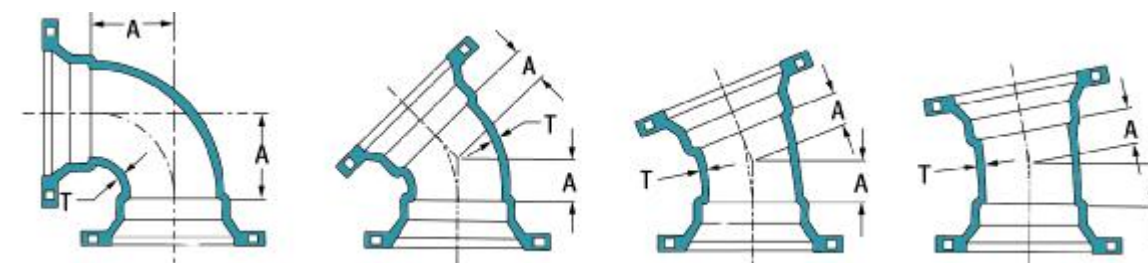
MECHANICAL JOINT DIMENSIONS 机械接口

| SIZE | A     | B    | C     | D     | F     | J     | K <sub>2</sub> | K <sub>1</sub> | L    | X    | BOLTS |      |        |
|------|-------|------|-------|-------|-------|-------|----------------|----------------|------|------|-------|------|--------|
|      |       |      |       |       |       |       |                |                |      |      | NO    | Size | Length |
| 3    | 3.96  | 2.50 | 4.84  | 4.94  | 4.06  | 6.19  | 7.69           | 7.62           | 0.58 | 3/4  | 4     | 5/8  | 3      |
| 4    | 4.80  | 2.50 | 5.92  | 6.02  | 4.90  | 7.50  | 9.12           | 9.06           | 0.60 | 7/8  | 4     | 3/4  | 31/2   |
| 6    | 6.90  | 2.50 | 8.02  | 8.12  | 7.00  | 9.50  | 11.12          | 11.06          | 0.63 | 7/8  | 6     | 3/4  | 31/2   |
| 8    | 9.05  | 2.50 | 10.17 | 10.27 | 9.15  | 11.75 | 13.37          | 13.31          | 0.66 | 7/8  | 6     | 3/4  | 31/2   |
| 10   | 11.10 | 2.50 | 12.22 | 12.34 | 11.20 | 14.00 | 15.62          | 15.62          | 0.70 | 7/8  | 8     | 3/4  | 4      |
| 12   | 13.20 | 2.50 | 14.32 | 14.44 | 13.30 | 16.25 | 17.88          | 17.88          | 0.73 | 7/8  | 8     | 3/4  | 4      |
| 14   | 15.30 | 3.50 | 16.40 | 16.54 | 15.44 | 18.75 | 20.25          | 20.25          | 0.79 | 7/8  | 10    | 3/4  | 41/2   |
| 16   | 17.40 | 3.50 | 18.50 | 18.64 | 17.54 | 21.00 | 22.50          | 22.50          | 0.85 | 7/8  | 12    | 3/4  | 41/2   |
| 18   | 19.50 | 3.50 | 20.60 | 20.74 | 19.64 | 23.25 | 24.83          | 24.75          | 1.00 | 7/8  | 12    | 3/4  | 41/2   |
| 20   | 21.60 | 3.50 | 22.70 | 22.84 | 21.74 | 25.50 | 27.08          | 27.00          | 1.02 | 7/8  | 14    | 3/4  | 41/2   |
| 24   | 25.80 | 3.50 | 26.90 | 27.04 | 25.94 | 30.00 | 31.58          | 31.50          | 1.02 | 7/8  | 16    | 3/4  | 5      |
| 30   | 32.00 | 4.00 | 33.29 | 33.46 | 32.17 | 36.88 | 39.12          | 39.12          | 1.31 | 11/8 | 20    | 1    | 6      |
| 36   | 38.30 | 4.00 | 39.59 | 39.76 | 38.47 | 43.75 | 46.00          | 46.00          | 1.45 | 11/8 | 24    | 1    | 6      |
| 42   | 44.50 | 4.00 | 45.79 | 45.96 | 44.67 | 50.62 | 53.12          | 53.12          | 1.45 | 13/8 | 28    | 11/4 | 61/2   |
| 48   | 50.80 | 4.00 | 52.09 | 52.26 | 50.97 | 57.50 | 60.00          | 60.00          | 1.45 | 13/8 | 32    | 11/4 | 61/2   |



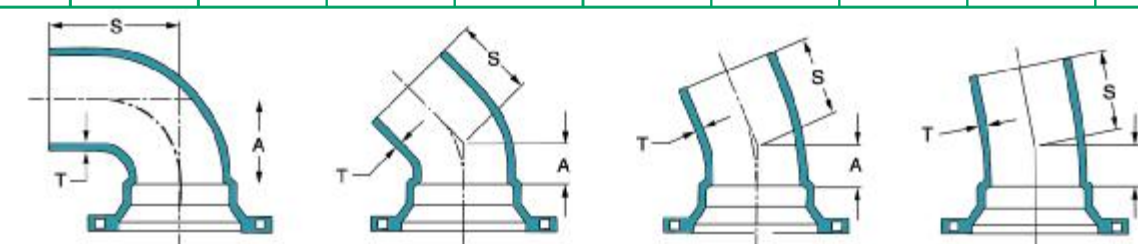
BENDS 双法兰弯管

| SIZE       | 90° BEND    |             | 45° BEND    |               | 22 1/2° BEND |                | 11 1/4° BEND |                | PRESSURE<br>RATING<br>T | CLASS<br>DUCTILE<br>IRON | WEIGHT       |              |              |              |
|------------|-------------|-------------|-------------|---------------|--------------|----------------|--------------|----------------|-------------------------|--------------------------|--------------|--------------|--------------|--------------|
|            | A           | R           | A           | R             | A            | R              | A            | R              |                         |                          | 90° BEND     | 45° BEND     | 22 1/2° BEND | 11 1/4° BEND |
| 3<br>80    | 5.5<br>140  | 4.0<br>102  | 3.0<br>76   | 3.62<br>92    | 3.0<br>73    | 7.56<br>192    | 3.0<br>76    | 15.25<br>387   | .48<br>12               | 250                      | 25<br>11     | 20<br>9      | 20<br>9      | 20<br>9      |
| 4<br>100   | 6.5<br>165  | 4.5<br>114  | 4.0<br>102  | 4.81<br>122   | 4.0<br>102   | 10.06<br>255   | 46<br>102    | 20.31<br>516   | .52<br>13               | 250                      | 45<br>20     | 40<br>18     | 40<br>18     | 40<br>18     |
| 5<br>130   | 7.5<br>190  | 5.5<br>139  | 4.5<br>114  | 6.04<br>153   |              |                |              |                | .52<br>13               | 250                      | 52<br>23     | 45<br>20     |              |              |
| 6<br>150   | 8.0<br>203  | 6.0<br>152  | 5.0<br>127  | 7.25<br>184   | 5.0<br>127   | 15.06<br>382   | 5.0<br>127   | 30.50<br>775   | .55<br>14               | 250                      | 65<br>29     | 55<br>25     | 55<br>25     | 55<br>25     |
| 8<br>200   | 9.0<br>229  | 7.0<br>178  | 5.5<br>140  | 8.44<br>214   | 5.5<br>140   | 17.62<br>447   | 5.5<br>140   | 35.50<br>902   | .60<br>15               | 250                      | 105<br>48    | 90<br>41     | 90<br>41     | 90<br>41     |
| 10<br>250  | 11.0<br>279 | 9.0<br>229  | 6.5<br>165  | 10.88<br>276  | 6.5<br>165   | 22.62<br>574   | 6.5<br>165   | 75.69<br>1160  | 0.68<br>17              | 250                      | 165<br>75    | 130<br>59    | 135<br>61    | 135<br>61    |
| 12<br>300  | 12.0<br>309 | 10.0<br>254 | 7.5<br>190  | 13.25<br>366  | 7.5<br>190   | 27.62<br>701   | 7.5<br>190   | 55.81<br>1417  | 0.75<br>19              | 250                      | 235<br>106   | 195<br>88    | 205<br>93    | 205<br>93    |
| 14<br>350  | 14.0<br>356 | 11.5<br>292 | 7.5<br>190  | 12.06<br>306  | 7.5<br>190   | 25.12<br>638   | 7.5<br>190   | 50.75<br>1289  | .66<br>17               | 250                      | 290<br>131   | 220<br>100   | 225<br>102   | 225<br>102   |
| 16<br>400  | 15.0<br>381 | 12.5<br>317 | 8.0<br>203  | 13.25<br>336  | 8.0<br>203   | 27.62<br>701   | 8.0<br>203   | 55.81<br>1417  | .70<br>18               | 250                      | 370<br>368   | 280<br>127   | 285<br>129   | 285<br>129   |
| 18<br>450  | 16.5<br>419 | 14.0<br>356 | 8.5<br>216  | 14.50<br>368  | 8.5<br>216   | 30.19<br>767   | 8.5<br>216   | 60.94<br>1548  | .75<br>19               | 250                      | 450<br>204.9 | 325<br>147   | 335<br>152   | 335<br>152   |
| 20<br>500  | 18.0<br>457 | 15.5<br>394 | 9.5<br>241  | 16.88<br>429  | 9.5<br>241   | 35.19<br>894   | 9.5<br>241   | 71.06<br>1805  | .80<br>20               | 250                      | 580<br>233   | 430<br>195   | 435<br>197   | 435<br>197   |
| 24<br>600  | 22.0<br>559 | 18.5<br>470 | 11.0<br>279 | 18.12<br>460  | 11.0<br>279  | 37.69<br>957   | 11.0<br>279  | 76.12<br>1933  | .89<br>23               | 250                      | 900<br>408   | 630<br>286   | 640<br>290   | 640<br>292   |
| 30<br>750  | 25.0<br>635 | 21.5<br>546 | 15.0<br>381 | 27.75<br>705  | 15.0<br>381  | 75.81<br>1468  | 15.0<br>381  | 116.75<br>2965 | 1.03<br>26              | 250                      | 1430<br>649  | 1120<br>508  | 1135<br>515  | 1150<br>522  |
| 36<br>900  | 28.0<br>711 | 24.5<br>622 | 18.0<br>457 | 35.00<br>889  | 18.0<br>457  | 72.88<br>1851  | 18.0<br>457  | 147.25<br>3740 | 1.15<br>29              | 250                      | 2135<br>968  | 1755<br>796  | 1790<br>812  | 1805<br>819  |
| 42<br>1000 | 31.0<br>787 | 27.5<br>698 | 21.0<br>533 | 42.25<br>1073 | 21.0<br>533  | 88.0<br>2235   | 21.0<br>533  | 177.69<br>4513 | 1.28<br>32              | 250                      | 3055<br>1386 | 2600<br>1179 | 2665<br>1209 | 2680<br>1216 |
| 48<br>1200 | 34.0<br>864 | 30.5<br>775 | 24.0<br>610 | 49.50<br>1257 | 24.0<br>510  | 103.06<br>2618 | 24.0<br>610  | 208.12<br>5286 | 1.42<br>36              | 250                      | 4095<br>1857 | 3580<br>1624 | 3665<br>1662 | 3695<br>1676 |



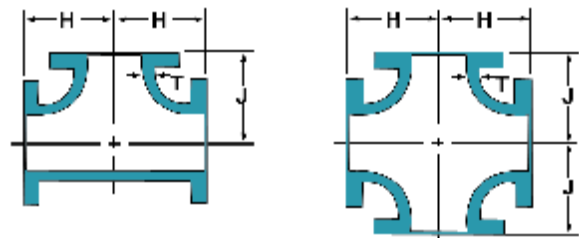
MJ X MJ BENDS 双承弯管

| SIZE | T    | MJ90° BEND |      | MJ45° BEND |      | MJ22.5° BEND |      | MJ11.25° BEND |      |
|------|------|------------|------|------------|------|--------------|------|---------------|------|
|      |      | A          | WT   | A          | WT   | A            | WT   | A             | WT   |
| 3    | 0.33 | 3.50       | 23   | 1.50       | 21   | 1.00         | 16   | 1.00          | 14   |
| 4    | 0.34 | 4.00       | 27   | 2.00       | 23   | 1.50         | 18   | 1.25          | 16   |
| 6    | 0.36 | 5.00       | 39   | 3.00       | 32   | 2.00         | 32   | 1.50          | 30   |
| 8    | 0.38 | 6.50       | 57   | 3.50       | 46   | 2.50         | 46   | 1.75          | 42   |
| 10   | 0.40 | 7.50       | 89   | 4.50       | 70   | 3.00         | 64   | 2.00          | 58   |
| 12   | 0.42 | 9.00       | 108  | 5.50       | 86   | 3.50         | 84   | 2.25          | 74   |
| 14   | 0.47 | 11.50      | 210  | 5.00       | 164  | 3.75         | 148  | 2.50          | 130  |
| 16   | 0.50 | 12.50      | 264  | 5.50       | 202  | 3.75         | 178  | 2.50          | 158  |
| 18   | 0.54 | 14.00      | 335  | 6.00       | 250  | 4.50         | 255  | 3.00          | 205  |
| 20   | 0.57 | 15.00      | 400  | 7.00       | 305  | 4.50         | 310  | 3.00          | 245  |
| 24   | 0.61 | 18.75      | 565  | 7.50       | 405  | 4.50         | 412  | 3.00          | 315  |
| *30  | 0.66 | 21.50      | 1005 | 10.50      | 798  | 6.75         | 665  | 4.75          | 606  |
| *36  | 0.74 | 24.50      | 1562 | 11.50      | 1164 | 7.75         | 960  | 5.00          | 840  |
| *42  | 0.82 | 29.25      | 2506 | 14.00      | 1792 | 9.00         | 1350 | 6.00          | 1319 |
| *48  | 0.90 | 33.25      | 3045 | 15.00      | 2390 | 10.00        | 1886 | 6.50          | 1700 |



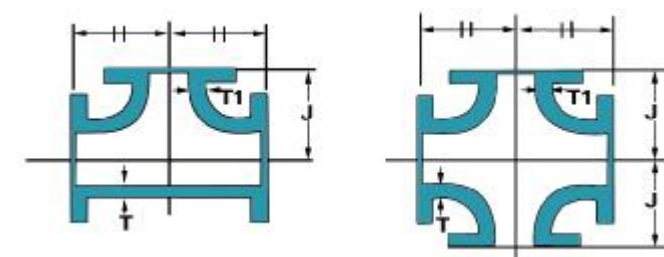
MJ X PE BENDS 盘插弯管

| SIZE | T    | MJ90° BEND |       |     | MJ45° BEND |       |     | MJ22.5° BEND |       |     | MJ11.25° BEND |       |     |
|------|------|------------|-------|-----|------------|-------|-----|--------------|-------|-----|---------------|-------|-----|
|      |      | A          | S     | Wt  | A          | S     | Wt  | A            | S     | Wt  | A             | S     | Wt  |
| 3    | 0.33 | 3.25       | 8.50  | 16  | 1.50       | 7.00  | 13  | 1.00         | 6.50  | 12  | 1.00          | 6.50  | 12  |
| 4    | 0.34 | 4.00       | 9.50  | 22  | 2.00       | 7.50  | 19  | 1.50         | 7.00  | 18  | 1.25          | 6.25  | 17  |
| 6    | 0.36 | 5.00       | 11.50 | 41  | 3.00       | 8.50  | 34  | 2.00         | 7.50  | 29  | 1.50          | 7.00  | 27  |
| 8    | 0.38 | 6.50       | 12.50 | 61  | 3.50       | 9.00  | 49  | 2.50         | 8.00  | 43  | 1.75          | 7.25  | 39  |
| 10   | 0.40 | 7.50       | 13.00 | 83  | 4.50       | 10.00 | 72  | 3.00         | 8.50  | 61  | 2.00          | 7.50  | 52  |
| 12   | 0.42 | 9.00       | 14.50 | 114 | 5.50       | 11.00 | 98  | 3.50         | 9.00  | 81  | 2.25          | 7.75  | 70  |
| 14   | 0.47 | 11.50      | 19.50 | 197 | 5.00       | 13.00 | 148 | 3.75         | 11.25 | 133 | 2.50          | 10.50 | 122 |
| 16   | 0.50 | 12.50      | 20.50 | 248 | 5.50       | 13.50 | 184 | 3.75         | 11.75 | 166 | 2.50          | 10.50 | 148 |
| 18   | 0.54 | 14.00      | 21.00 | 325 | 6.00       | 13.00 | 235 | 6.00         | 13.00 | 235 | 6.00          | 13.00 | 235 |
| 20   | 0.57 | 15.00      | 22.50 | 390 | 7.00       | 14.00 | 290 | 7.00         | 14.00 | 300 | 7.00          | 14.00 | 300 |
| 24   | 0.61 | 17.00      | 25.00 | 575 | 7.50       | 14.50 | 390 | 7.50         | 14.50 | 395 | 7.50          | 14.50 | 400 |
| *30  | 0.66 | 22.50      | 30.50 | 865 | 10.50      | 19.50 | 715 | 6.75         | 15.75 | 600 | 4.75          | 13.75 | 535 |



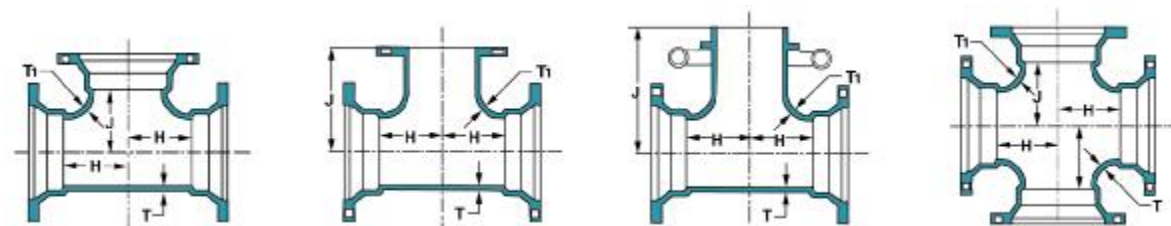
全法兰三通 All-Flange tee All-Flange cross 全法兰四通

| DN  | dn  | T    | L   | t    | H   | Mass(kg) |      |      | DN  | dn  | T    | L    | t    | H   | Mass(kg) |      |      |
|-----|-----|------|-----|------|-----|----------|------|------|-----|-----|------|------|------|-----|----------|------|------|
|     |     |      |     |      |     | PN10     | PN16 | PN25 |     |     |      |      |      |     | PN10     | PN16 | PN25 |
| 80  | 80  | 7    | 330 | 7    | 165 | 20.5     | 20.5 | 20.5 | 450 | 100 | 11.4 | 950  | 7.2  | 375 | 186      | 203  | 235  |
| 100 | 80  | 7.2  | 360 | 7    | 175 | 23       | 23   | 23   |     | 150 |      |      | 7.8  | 375 | 198      | 215  | 248  |
|     | 100 |      |     | 7.2  | 180 | 25       | 25   | 25   |     | 200 |      |      | 8.4  | 375 | 213      | 230  | 265  |
| 150 | 80  | 7.8  | 400 | 7    | 205 | 33.1     | 33.1 | 33.1 |     | 250 |      |      | 9    | 375 | 231      | 248  | 286  |
|     | 150 |      |     | 7.2  | 210 | 35.1     | 35.1 | 35.1 |     | 300 |      |      | 9.6  | 475 | 253      | 270  | 312  |
| 200 | 80  | 8.4  | 520 | 7    | 235 | 46.5     | 46.5 | 45.9 | 500 | 350 | 12   | 1000 | 10.2 | 475 | 272      | 296  | 343  |
|     | 100 |      |     | 7.2  | 240 | 48.5     | 48.5 | 46.9 |     | 400 |      |      | 10.8 | 475 | 296      | 324  | 378  |
|     | 150 |      |     | 7.8  | 250 | 54.5     | 54.5 | 53.9 |     | 450 |      |      | 11.4 | 475 | 320      | 354  | 416  |
|     | 200 |      |     | 8.4  | 260 | 61.5     | 61.5 | 60.9 |     | 100 |      |      | 7.2  | 400 | 215      | 247  | 272  |
|     | 250 |      |     | 9    | 270 | 37.5     | 37.5 | 37.5 |     | 150 |      |      | 7.8  | 400 | 223      | 251  | 280  |
| 250 | 80  | 9    | 700 | 7    | 270 | 37.5     | 37.5 | 37.5 |     | 200 |      |      | 8.4  | 400 | 225      | 255  | 284  |
|     | 100 |      |     | 7.2  | 275 | 74.1     | 74.1 | 72.9 |     | 250 |      |      | 9    | 400 | 231      | 281  | 301  |
|     | 150 |      |     | 7.8  | 300 | 82.1     | 82.1 | 80.9 |     | 300 |      |      | 9.6  | 500 | 249      | 275  | 316  |
|     | 200 |      |     | 8.4  | 325 | 90.1     | 90.1 | 88.9 |     | 350 |      |      | 10.2 | 500 | 273      | 290  | 338  |
|     | 250 |      |     | 9    | 350 | 102      | 102  | 101  |     | 400 |      |      | 10.8 | 500 | 279      | 317  | 364  |
| 300 | 100 | 9.6  | 800 | 7.2  | 300 | 100      | 100  | 98.8 | 600 | 450 | 13.2 | 1100 | 11.4 | 500 | 293      | 361  | 396  |
|     | 150 |      |     | 7.8  | 325 | 108      | 108  | 107  |     | 500 |      |      | 12   | 500 | 299      | 359  | 406  |
|     | 200 |      |     | 8.4  | 350 | 116      | 116  | 115  |     | 100 |      |      | 7.2  | 450 | 242      | 311  | 329  |
|     | 250 |      |     | 9    | 375 | 130      | 130  | 129  |     | 150 |      |      | 7.8  | 450 | 272      | 333  | 365  |
|     | 300 |      |     | 9.6  | 400 | 144      | 144  | 143  |     | 200 |      |      | 8.4  | 450 | 316      | 369  | 401  |
| 350 | 100 | 10.2 | 850 | 7.2  | 325 | 122      | 122  | 128  |     | 250 |      |      | 9    | 450 | 321      | 373  | 409  |
|     | 150 |      |     | 7.8  | 325 | 128      | 128  | 134  |     | 300 |      |      | 9.6  | 550 | 330      | 400  | 420  |
|     | 200 |      |     | 8.4  | 325 | 132      | 132  | 140  |     | 350 |      |      | 10.2 | 550 | 358      | 413  | 451  |
|     | 250 |      |     | 9    | 325 | 146      | 146  | 151  |     | 400 |      |      | 10.8 | 550 | 364      | 427  | 479  |
|     | 300 |      |     | 9.6  | 425 | 154      | 154  | 160  |     | 450 |      |      | 11.4 | 550 | 382      | 487  | 521  |
| 400 | 350 | 10.8 | 900 | 10.2 | 425 | 174      | 174  | 186  |     | 500 |      |      | 12   | 550 | 403      | 494  | 553  |
|     | 100 |      |     | 7.2  | 350 | 149      | 149  | 160  |     | 600 |      |      | 13.2 | 550 | 416      | 521  | 579  |
|     | 150 |      |     | 7.8  | 350 | 151      | 151  | 164  |     |     |      |      |      |     |          |      |      |
|     | 200 |      |     | 8.4  | 350 | 159      | 159  | 170  |     |     |      |      |      |     |          |      |      |
|     | 250 |      |     | 9    | 350 | 160      | 160  | 174  |     |     |      |      |      |     |          |      |      |
| 400 | 300 | 10.8 | 900 | 9.6  | 450 | 182      | 182  | 220  |     |     |      |      |      |     |          |      |      |
|     | 350 |      |     | 10.2 | 450 | 202      | 202  | 228  |     |     |      |      |      |     |          |      |      |
|     | 400 |      |     | 10.8 | 450 | 211      | 211  | 234  |     |     |      |      |      |     |          |      |      |



全法兰三通 All-Flange tee All-Flange cross 全法兰四通

| SIZE                  | PRES-<br>SURE<br>H | TAT-<br>ING<br>J | TAT-<br>ING<br>T | T1        | DUC-<br>TILE<br>IRON | TEE        | WEIGH<br>T<br>CROSS | SIZE                 | PRES-<br>SURE<br>H | TAT-<br>ING<br>J | TAT-<br>ING<br>T | T1        | DUC-<br>TILE<br>IRON | TEE         | WEIGH<br>T<br>CROSS |
|-----------------------|--------------------|------------------|------------------|-----------|----------------------|------------|---------------------|----------------------|--------------------|------------------|------------------|-----------|----------------------|-------------|---------------------|
| 3 × 2<br>80 × 50      | 5.5<br>139         | 5.5<br>139       | .48<br>12        | .31<br>7  | 250                  | 35<br>16   | 45<br>20            | 18 × 6<br>450 × 150  | 13.0<br>330        | 15.5<br>394      | .75<br>19        | .55<br>14 | 250                  | 480<br>218  | 505<br>299          |
| 4 × 2<br>100 × 50     | 6.5<br>165         | 6.5<br>165       | .52<br>13        | .31<br>7  | 250                  | 50<br>22   | 60<br>27            | 18 × 8<br>450 × 200  | 13.0<br>330        | 15.5<br>394      | .75<br>19        | .60<br>15 | 250                  | 495<br>224  | 535<br>243          |
| 4 × 2-1/2<br>100 × 65 | 6.5<br>165         | 6.5<br>165       | .52<br>13        | .31<br>7  | 250                  | 55<br>25   |                     | 18 × 10<br>450 × 250 | 13.0<br>330        | 15.5<br>394      | .75<br>19        | .68<br>17 | 250                  | 510<br>231  | 560<br>254          |
| 4 × 3<br>100 × 80     | 6.5<br>165         | 6.5<br>165       | .52<br>13        | .48<br>12 | 250                  | 60<br>27   | 70<br>32            | 18 × 12<br>450 × 300 | 13.0<br>330        | 15.5<br>394      | .75<br>19        | .75<br>19 | 250                  | 535<br>243  | 610<br>277          |
| 6 × 2<br>150 × 50     | 8.0<br>203         | 8.0<br>203       | .55<br>14        | .31<br>7  | 250                  | 85<br>38   |                     | 18 × 14<br>450 × 350 | 13.0<br>419        | 16.5<br>419      | .75<br>19        | .66<br>17 | 250                  | 630<br>286  | 720<br>326          |
| 6 × 3<br>150 × 60     | 8.0<br>203         | 8.0<br>203       | .55<br>14        | .48<br>12 | 250                  | 85<br>38   | 95<br>43            | 18 × 16<br>450 × 400 | 16.5<br>419        | 16.5<br>419      | .75<br>19        | .70<br>18 | 250                  | 650<br>295  | 765<br>347          |
| 6 × 4<br>150 × 100    | 8.0<br>203         | 8.0<br>203       | .55<br>14        | .52<br>13 | 250                  | 90<br>41   | 110<br>50           | 20 × 6<br>500 × 150  | 14.0<br>356        | 17.0<br>432      | .80<br>20        | .55<br>14 | 250                  | 610<br>277  | 635<br>288          |
| 8 × 4<br>200 × 100    | 9.0<br>229         | 9.0<br>229       | .60<br>15        | .52<br>13 | 250                  | 140<br>63  | 155<br>70           | 20 × 8<br>500 × 200  | 14.0<br>356        | 17.0<br>432      | .80<br>20        | .60<br>15 | 250                  | 620<br>261  | 665<br>302          |
| 8 × 6<br>200 × 150    | 9.0<br>229         | 9.0<br>229       | .90<br>229       | .55<br>14 | 250                  | 145<br>66  | 160<br>75           | 20 × 10<br>500 × 250 | 14.0<br>356        | 17.0<br>432      | .80<br>20        | .68<br>17 | 250                  | 635<br>288  | 685<br>311          |
| 10 × 4<br>250 × 100   | 11.0<br>279        | 11.0<br>279      | .68<br>17        | .52<br>13 | 250                  | 205<br>93  | 220<br>100          | 20 × 12<br>500 × 300 | 14.0<br>356        | 17.0<br>432      | .80<br>20        | .75<br>19 | 250                  | 660<br>299  | 735<br>333          |
| 10 × 6<br>250 × 150   | 11.0<br>279        | 11.0<br>279      | .68<br>17        | .55<br>14 | 250                  | 215<br>97  | 240<br>109          | 20 × 14<br>500 × 350 | 14.0<br>356        | 17.0<br>432      | .80<br>20        | .66<br>17 | 250                  | 665<br>302  | 745<br>338          |
| 10 × 8<br>250 × 200   | 11.0<br>279        | 11.0<br>279      | .68<br>17        | .60<br>15 | 250                  | 225<br>102 | 265<br>120          | 20 × 16<br>500 × 400 | 18.0<br>457        | 18.0<br>457      | .80<br>20        | .70<br>18 | 250                  | 810<br>357  | 915<br>415          |
| 12 × 4<br>300 × 100   | 12.0<br>305        | 12.0<br>305      | .75<br>19        | .52<br>13 | 250                  | 290<br>131 | 310<br>141          | 20 × 18<br>500 × 450 | 18.0<br>457        | 18.0<br>457      | .80<br>20        | .75<br>19 | 250                  | 820<br>372  | 945<br>429          |
| 12 × 6<br>300 × 150   | 12.0<br>305        | 12.0<br>305      | .75<br>19        | .55<br>14 | 250                  | 295<br>134 | 320<br>145          | 24 × 16<br>600 × 150 | 15.0<br>381        | 19.0<br>483      | .89<br>23        | .55<br>14 | 250                  | 845<br>383  | 875<br>397          |
| 12 × 8<br>300 × 200   | 12.0<br>305        | 12.0<br>305      | .75<br>19        | .60<br>15 | 250                  | 310<br>141 | 345<br>156          | 24 × 8<br>600 × 200  | 15.0<br>381        | 19.0<br>483      | .89<br>23        | .60<br>15 | 250                  | 860<br>390  | 895<br>406          |
| 12 × 10<br>300 × 250  | 12.0<br>305        | 12.0<br>305      | .87<br>22        | .80<br>20 | 250                  | 360<br>163 | 415<br>188          | 24 × 10<br>600 × 250 | 15.0<br>381        | 19.0<br>483      | .89<br>23        | .75<br>19 | 250                  | 890<br>404  | 960<br>435          |
| 14 × 6<br>350 × 150   | 14.0<br>356        | 14.0<br>356      | .66<br>17        | .55<br>14 | 250                  | 375<br>170 | 400<br>181          | 24 × 12<br>600 × 300 | 15.0<br>391        | 19.0<br>483      | .89<br>23        | .66<br>17 | 250                  | 900<br>408  | 975<br>442          |
| 14 × 8<br>350 × 200   | 14.0<br>356        | 14.0<br>356      | .66<br>17        | .60<br>15 | 250                  | 390<br>177 | 425<br>193          | 24 × 14<br>600 × 350 | 15.0<br>391        | 19.0<br>483      | .89<br>23        | .70<br>18 | 250                  | 915<br>415  | 1010<br>458         |
| 14 × 10<br>350 × 250  | 14.0<br>356        | 14.0<br>356      | .66<br>17        | .68<br>17 | 250                  | 400<br>181 | 460<br>209          | 24 × 16<br>600 × 400 | 15.0<br>391        | 19.0<br>483      | .89<br>23        | .75<br>19 | 250                  | 1220<br>553 | 1365<br>619         |
| 14 × 12<br>350 × 300  | 14.0<br>356        | 14.0<br>356      | .66<br>17        | .75<br>19 | 250                  | 425<br>193 | 505<br>229          | 24 × 18<br>600 × 450 | 22.0<br>559        | 22.0<br>559      | .89<br>23        | .80<br>20 | 250                  | 1255<br>569 | 1430<br>649         |
| 16 × 6<br>400 × 150   | 15.0<br>381        | 15.0<br>381      | .70<br>18        | .55<br>14 | 250                  | 465<br>211 | 490<br>222          | 24 × 20<br>600 × 500 | 22.0<br>559        | 22.0<br>559      | .89<br>23        | .75<br>19 | 250                  | 1490<br>676 | 1565<br>710         |
| 16 × 8<br>400 × 200   | 15.0<br>381        | 15.0<br>381      | .70<br>18        | .60<br>15 | 250                  | 476<br>215 | 520<br>236          | 30 × 12<br>750 × 300 | 18.00<br>457       | 23.0<br>584      | 1.03<br>26       | .66<br>17 | 250                  | 1490<br>676 | 1570<br>712         |
| 16 × 10<br>400 × 250  | 15.0<br>381        | 15.0<br>381      | .70<br>18        | .68<br>17 | 250                  | 495<br>224 | 555<br>252          | 30 × 14<br>750 × 350 | 18.00<br>457       | 23.0<br>584      | 1.03<br>26       | .70<br>18 | 250                  | 1505<br>683 | 1605<br>728         |
| 16 × 12<br>400 × 300  | 15.0<br>381        | 15.0<br>381      | .70<br>18        | .75<br>19 | 250                  | 520<br>236 | 605<br>274          | 30 × 16<br>750 × 400 | 18.00<br>457       | 23.0<br>584      | 1.03<br>26       | .75<br>19 | 250                  | 1515<br>687 | 1615<br>732         |
| 16 × 14<br>400 × 350  | 15.0<br>381        | 15.0<br>381      | .70<br>18        | .66<br>17 | 250                  | 530<br>240 | 620<br>281          | 30 × 18<br>750 × 450 | 18.00<br>457       | 23.0<br>584      | 1.03<br>26       | .80<br>20 | 250                  | 1540<br>698 | 1670<br>757         |
|                       |                    |                  |                  |           |                      |            |                     | 30 × 20<br>750 × 500 | 25.0<br>635        | 25.0<br>635      | 1.03<br>26       | .89<br>23 | 250                  | 2025<br>918 | 2245<br>1018        |



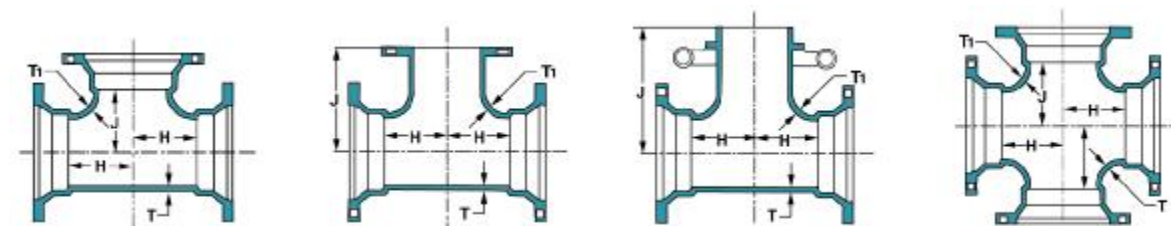
全承三通

双承单盘三通

全承四通

MJ X MJ. MJ X FLANGE. MJ X ST &amp; CROSSES

| SIZE   | T    | T1   | MJ X MJ |       |     | MJ X FE* |       |     | MJ X ST* |       |     | CROSS  |       |     |
|--------|------|------|---------|-------|-----|----------|-------|-----|----------|-------|-----|--------|-------|-----|
|        |      |      | H       | J     | Wt  | H        | J     | Wt  | H        | J     | Wt  | H      | J     | Wt  |
| 2×2    | 0.30 | 0.30 | 3.00    | 3.00  | 16  | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 3×3    | 0.33 | 0.33 | 3.00    | 3.00  | 28  | 3.00     | 5.50  | 30  | —        | —     | —   | 3.00   | 3.00  | 40  |
| 4×2    | 0.34 | 0.30 | 3.00    | 4.00  | 29  | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 4×3    | 0.34 | 0.33 | 3.50    | 4.00  | 35  | 3.50     | 6.50  | 34  | —        | —     | —   | *3.50  | 4.00  | 49  |
| 4×4    | 0.34 | 0.34 | 4.00    | 4.00  | 32  | 4.00     | 6.50  | 40  | —        | —     | —   | 4.00   | 4.00  | 42  |
| 6×3    | 0.36 | 0.33 | 3.50    | 5.00  | 42  | 3.50     | 8.00  | 51  | —        | —     | —   | 3.50   | 5.00  | 60  |
| 6×4    | 0.36 | 0.34 | 4.00    | 5.00  | 46  | 4.00     | 8.00  | 65  | —        | —     | —   | *4.00  | 5.00  | 68  |
| *6×4×6 | 0.36 | 0.36 | *5.00   | 5.00  | 60  | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 6×6    | 0.36 | 0.36 | 5.00    | 5.00  | 56  | 5.00     | 8.00  | 62  | 5.00     | 10.25 | 66  | 5.00   | 5.00  | 80  |
| *6×6×8 | 0.36 | 0.38 | *6.50   | 6.50  | 75  | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| *8×3   | 0.38 | 0.33 | *4.00   | 6.50  | 52  | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 8×4    | 0.38 | 0.34 | 4.00    | 6.50  | 60  | 4.50     | 9.00  | 79  | —        | —     | —   | *4.00  | 6.00  | 100 |
| *8×6   | 0.38 | 0.36 | 5.00    | 6.50  | 72  | 5.50     | 9.00  | 80  | 5.00     | 11.25 | 86  | *5.00  | 6.00  | 105 |
| *8×6×6 | 0.38 | 0.38 | *5.00   | 6.50  | 75  | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| *8×6×8 | 0.38 | 0.38 | *6.00   | 6.50  | 85  | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 8×8    | 0.38 | 0.38 | 6.50    | 6.50  | 86  | 6.50     | 9.00  | 90  | 6.50     | 11.50 | 105 | 6.00   | 6.00  | 110 |
| *10×3  | 0.40 | 0.33 | *4.00   | 7.50  | 75  | —        | —     | —   | —        | —     | —   | 3.00   | 7.00  | 115 |
| 10×4   | 0.40 | 0.34 | 4.00    | 7.50  | 78  | 4.00     | 11.00 | 90  | —        | —     | —   | *4.00  | 7.00  | 120 |
| 10×6   | 0.40 | 0.36 | 5.00    | 7.50  | 90  | 5.00     | 11.00 | 110 | 5.00     | 12.75 | 110 | *5.00  | 7.00  | 125 |
| 10×8   | 0.40 | 0.38 | 6.50    | 7.50  | 105 | 6.50     | 11.00 | 115 | 6.50     | 12.75 | 120 | *6.50  | 7.00  | 130 |
| 10×10  | 0.40 | 0.40 | 7.50    | 7.50  | 120 | 7.50     | 11.00 | 130 | —        | —     | —   | 7.00   | 7.00  | 145 |
| *12×3  | 0.42 | 0.33 | *4.00   | 8.75  | 90  | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 12×4   | 0.42 | 0.34 | 4.00    | 8.75  | 94  | 4.50     | 12.00 | 118 | —        | —     | —   | *4.00  | 8.50  | 123 |
| 12×6   | 0.42 | 0.36 | 5.00    | 8.75  | 110 | 5.50     | 12.00 | 133 | 5.00     | 13.75 | 128 | *5.00  | 8.50  | 140 |
| 12×8   | 0.42 | 0.38 | 6.50    | 8.75  | 125 | 6.50     | 12.00 | 135 | 6.50     | 13.75 | 130 | *6.00  | 8.50  | 157 |
| 12×10  | 0.42 | 0.40 | 7.50    | 8.75  | 140 | 7.50     | 12.00 | 150 | —        | —     | —   | *7.50  | 8.50  | 189 |
| 12×12  | 0.42 | 0.42 | 8.75    | 8.75  | 160 | 8.75     | 12.00 | 170 | —        | —     | —   | 8.50   | 8.50  | 215 |
| 14×6   | 0.47 | 0.36 | 6.50    | 10.50 | 182 | 6.50     | 14.00 | 185 | 6.50     | 15.00 | 211 | *6.50  | 10.50 | 210 |
| 14×8   | 0.47 | 0.38 | 7.50    | 10.50 | 206 | —        | —     | —   | —        | —     | —   | *7.50  | 10.50 | 231 |
| 14×10  | 0.47 | 0.40 | 8.50    | 10.50 | 228 | 8.50     | 14.00 | 244 | —        | —     | —   | *8.50  | 10.50 | 255 |
| 14×12  | 0.47 | 0.42 | 9.50    | 10.50 | 234 | 9.50     | 14.00 | 284 | —        | —     | —   | *9.50  | 10.50 | 270 |
| 14×14  | 0.47 | 0.47 | 10.50   | 10.50 | 280 | 10.50    | 14.00 | 305 | —        | —     | —   | 10.50  | 10.50 | 336 |
| 16×6   | 0.50 | 0.36 | 6.50    | 11.50 | 228 | 6.50     | 15.00 | 210 | 6.50     | 16.00 | 280 | *6.50  | 11.50 | 250 |
| 16×8   | 0.50 | 0.38 | 7.50    | 11.50 | 248 | 7.50     | 15.00 | 260 | —        | —     | —   | *7.50  | 11.50 | 264 |
| 16×10  | 0.50 | 0.40 | 8.50    | 11.50 | 264 | 8.50     | 15.00 | 287 | —        | —     | —   | *8.50  | 11.50 | 286 |
| 16×12  | 0.50 | 0.42 | 9.50    | 11.50 | 280 | 9.50     | 15.00 | 312 | —        | —     | —   | *9.50  | 11.50 | 310 |
| 16×14  | 0.50 | 0.47 | 10.50   | 11.50 | 316 | 10.50    | 15.00 | 348 | —        | —     | —   | —      | —     | —   |
| 16×16  | 0.50 | 0.50 | 11.50   | 11.50 | 322 | 11.50    | 15.00 | 374 | —        | —     | —   | 11.50  | 11.50 | 390 |
| 18×6   | 0.54 | 0.36 | 6.50    | 12.50 | 287 | 6.50     | 15.50 | 325 | 6.50     | 18.00 | 280 | —      | —     | —   |
| 18×8   | 0.54 | 0.38 | 7.50    | 12.50 | 295 | 7.50     | 15.50 | 352 | —        | —     | —   | —      | —     | —   |
| 18×10  | 0.54 | 0.40 | 8.50    | 12.50 | 325 | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 18×12  | 0.54 | 0.42 | 9.50    | 12.50 | 340 | 9.50     | 15.50 | 360 | —        | —     | —   | *9.50  | 12.50 | 437 |
| 18×14  | 0.54 | 0.47 | 10.50   | 12.50 | 380 | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 18×16  | 0.54 | 0.50 | 11.50   | 12.50 | 425 | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 18×18  | 0.57 | 0.54 | 12.50   | 12.50 | 450 | —        | —     | —   | —        | —     | —   | 12.50  | 12.50 | 657 |
| 20×6   | 0.57 | 0.36 | 6.50    | 14.00 | 320 | 6.50     | 17.00 | 406 | 6.50     | 18.50 | 360 | —      | —     | —   |
| 20×8   | 0.57 | 0.38 | 8.00    | 14.00 | 366 | 8.00     | 17.00 | 339 | —        | —     | —   | *8.00  | 14.00 | 440 |
| 20×10  | 0.57 | 0.40 | 9.00    | 14.00 | 370 | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 20×12  | 0.57 | 0.42 | 10.00   | 14.00 | 395 | —        | —     | —   | —        | —     | —   | *10.00 | 14.00 | 558 |
| 20×14  | 0.57 | 0.47 | 11.00   | 14.00 | 475 | —        | —     | —   | —        | —     | —   | —      | —     | —   |
| 20×16  | 0.57 | 0.50 | 12.00   | 14.00 | 505 | —        | —     | —   | —        | —     | —   | —      | —     | —   |



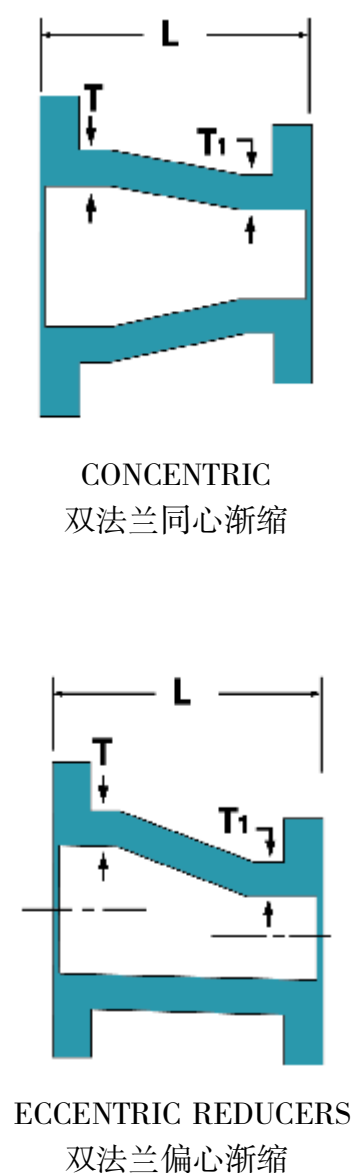
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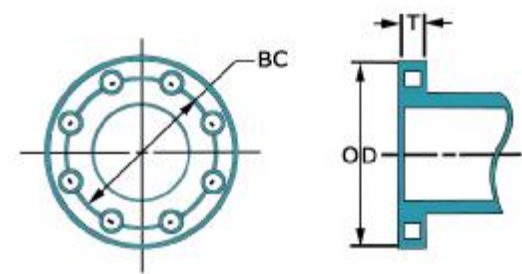
MJ X MJ. MJ X FLANGE. MJ X ST &amp; CROSSES

| SIZE   | T    | T1   | MJ X MJ |       |      | MJ X FE* |       |      | MJ X ST* |       |     | CROSS  |       |      |
|--------|------|------|---------|-------|------|----------|-------|------|----------|-------|-----|--------|-------|------|
|        |      |      | H       | J     | Wt   | H        | J     | Wt   | H        | J     | Wt  | H      | J     | Wt   |
| 20×18  | 0.57 | 0.54 | 13.00   | 14.00 | 505  | —        | —     | —    | —        | —     | —   | 13.00  | 14.00 | 698  |
| 20×20  | 0.57 | 0.57 | 14.00   | 14.00 | 550  | —        | —     | —    | —        | —     | —   | *14.00 | 14.00 | 798  |
| 24×6   | 0.61 | 0.36 | 7.00    | 16.00 | 415  | 7.00     | 19.00 | 408  | 7.00     | 19.00 | 465 | —      | —     | —    |
| 24×8   | 0.61 | 0.38 | 8.00    | 16.00 | 445  | 8.50     | 19.00 | 418  | —        | —     | —   | *8.00  | 16.00 | 500  |
| 24×10  | 0.61 | 0.40 | 9.00    | 16.00 | 470  | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| 24×12  | 0.61 | 0.42 | 10.00   | 16.00 | 500  | 10.00    | 19.00 | 580  | —        | —     | —   | 10.00  | 16.00 | 620  |
| 24×14  | 0.61 | 0.47 | 11.00   | 16.00 | 550  | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| 24×16  | 0.61 | 0.50 | 12.00   | 16.00 | 580  | 12.00    | 19.00 | 745  | —        | —     | —   | *12.00 | 16.00 | 720  |
| 24×18  | 0.61 | 0.54 | 13.00   | 16.00 | 625  | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| 24×20  | 0.61 | 0.57 | 14.00   | 16.00 | 660  | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| 24×24  | 0.61 | 0.61 | 16.00*  | 16.00 | 720  | —        | —     | —    | —        | —     | —   | 16.00  | 16.00 | 1038 |
| *30×6  | 0.66 | 0.36 | 8.00    | 20.00 | 742  | 8.00     | 23.00 | 805  | —        | —     | —   | —      | —     | —    |
| *30×8  | 0.66 | 0.38 | 8.50    | 20.00 | 755  | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *30×12 | 0.66 | 0.42 | 10.00   | 20.00 | 830  | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *30×16 | 0.66 | 0.50 | 12.50   | 20.00 | 959  | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *30×18 | 0.66 | 0.54 | *14.00  | 20.00 | 1085 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *30×24 | 0.66 | 0.61 | 16.00   | 20.00 | 1389 | —        | —     | —    | —        | —     | —   | *16.00 | 20.00 | 1640 |
| *30×30 | 0.66 | 0.66 | 20.00   | 20.00 | 1323 | —        | —     | —    | —        | —     | —   | 22.00  | 22.00 | 1840 |
| *36×6  | 0.74 | 0.36 | —       | —     | —    | 8.00     | 26.00 | 1175 | —        | —     | —   | —      | —     | —    |
| *36×8  | 0.74 | 0.38 | 9.00    | 23.50 | 1050 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *36×16 | 0.74 | 0.50 | *12.50  | 23.50 | 1167 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *36×24 | 0.74 | 0.61 | 16.00   | 23.50 | 1498 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *36×30 | 0.74 | 0.66 | 20.00   | 23.50 | 2381 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *36×36 | 0.74 | 0.74 | 23.50   | 23.50 | 2072 | —        | —     | —    | —        | —     | —   | 26.00  | 26.00 | 2655 |
| *42×18 | 0.82 | 0.54 | *16.00  | 27.50 | 2190 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *42×24 | 0.82 | 0.61 | 20.00   | 27.50 | 2270 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *42×30 | 0.82 | 0.66 | 22.00   | 29.50 | 2608 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *42×36 | 0.82 | 0.74 | 30.00   | 30.00 | 300  | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *42×42 | 0.82 | 0.82 | 30.00   | 30.00 | 3185 | —        | —     | —    | —        | —     | —   | 30.00  | 30.00 | 3725 |
| *48×6  | 0.90 | 0.36 | *10.00  | 32.00 | 2155 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *48×16 | 0.90 | 0.50 | *13.00  | 32.00 | 2650 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *48×24 | 0.90 | 0.61 | 23.00   | 32.00 | 2870 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *48×30 | 0.90 | 0.66 | 23.00   | 32.00 | 3050 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *48×36 | 0.90 | 0.74 | 33.50   | 32.25 | 3900 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *48×42 | 0.90 | 0.82 | 33.50   | 33.50 | 4100 | —        | —     | —    | —        | —     | —   | —      | —     | —    |
| *48×48 | 0.90 | 0.90 | 33.50   | 33.50 | 4250 | —        | —     | —    | —        | —     | —   | 33.50  | 33.50 | 4955 |



| SIZE                  | L         | T         | T1        | PRESSURE RATING<br>CLSAA<br>DUCTILE IRON | WEIGHT    |
|-----------------------|-----------|-----------|-----------|------------------------------------------|-----------|
| 3 × 2<br>80 × 50      | 6<br>152  | .48<br>12 | .31<br>7  | 250                                      | 16<br>7   |
| 3 × 2-1/2<br>80 × 65  | 6<br>152  | .48<br>12 | .31<br>7  | 250                                      | 20<br>9   |
| 4 × 2<br>100 × 50     | 7<br>178  | .52<br>13 | .31<br>7  | 250                                      | 25<br>11  |
| 4 × 2-1/2<br>100 × 65 | 7<br>178  | .52<br>13 | .31<br>7  | 250                                      | 28<br>12  |
| 4 × 3<br>100 × 80     | 7<br>178  | .52<br>13 | .48<br>12 | 250                                      | 30<br>14  |
| 6 × 2 ×<br>150 × 50   | 9<br>229  | .55<br>14 | .31<br>7  | 250                                      | 35<br>16  |
| 6 × 2-1/2<br>150 × 65 | 9<br>229  | .55<br>14 | .31<br>7  | 250                                      | 38<br>17  |
| 6 × 3<br>150 × 80     | 9<br>229  | .55<br>14 | .48<br>12 | 250                                      | 40<br>18  |
| 6 × 4<br>150 × 100    | 9<br>229  | .55<br>14 | .52<br>13 | 250                                      | 45<br>20  |
| 6 × 5<br>150 × 130    | 9<br>229  | .55<br>14 | .52<br>13 | 250                                      | 50<br>22  |
| 8 × 4<br>200 × 100    | 11<br>279 | .60<br>15 | .52<br>13 | 250                                      | 65<br>29  |
| 8 × 5<br>200 × 130    | 11<br>279 | .60<br>15 | .52<br>13 | 250                                      | 70<br>31  |
| 8 × 6<br>200 × 150    | 11<br>279 | .60<br>15 | .55<br>14 | 250                                      | 75<br>34  |
| 10 × 4<br>250 × 100   | 12<br>305 | .68<br>17 | .52<br>13 | 250                                      | 85<br>38  |
| 10 × 6<br>250 × 150   | 12<br>305 | .68<br>17 | .55<br>14 | 250                                      | 90<br>41  |
| 10 × 8<br>250 × 200   | 12<br>305 | .68<br>17 | .60<br>15 | 250                                      | 110<br>50 |
| 12 × 4<br>300 × 100   | 14<br>356 | .75<br>19 | .52<br>13 | 250                                      | 120<br>54 |
| 12 × 6<br>300 × 150   | 14<br>356 | .75<br>19 | .55<br>14 | 250                                      | 130<br>59 |
| 12 × 8<br>300 × 200   | 14<br>356 | .75<br>19 | .60<br>15 | 250                                      | 145<br>66 |
| 12 × 10<br>300 × 250  | 14<br>356 | .75<br>19 | .68<br>17 | 250                                      | 170<br>77 |
| 14 × 6<br>350 × 150   | 16<br>406 | .66<br>17 | .55<br>14 | 250                                      | 155<br>70 |
| 14 × 8<br>350 × 200   | 16<br>406 | .66<br>17 | .60<br>15 | 250                                      | 175<br>79 |
| 14 × 10<br>350 × 250  | 16<br>406 | .66<br>17 | .68<br>17 | 250                                      | 190<br>86 |

| SIZE                 | L         | T          | T1        | DUCTILE<br>IRON | WEIGHT     | SIZE                   | L          | T          | T1         | DUCTILE<br>IRON | WEIGHT       |
|----------------------|-----------|------------|-----------|-----------------|------------|------------------------|------------|------------|------------|-----------------|--------------|
| 14 × 12<br>350 × 300 | 16<br>406 | .66<br>17  | .75<br>19 | 250             | 200<br>100 | 30 × 24<br>750 × 600   | 30<br>726  | 1.03<br>26 | .89<br>23  | 250             | 970<br>440   |
| 16 × 6<br>400 × 150  | 18<br>457 | .70<br>18  | .55<br>14 | 250             | 190<br>86  | 36 × 20<br>900 × 500   | 36<br>914  | 1.15<br>29 | .80<br>20  | 250             | 1230<br>558  |
| 16 × 8<br>400 × 200  | 18<br>457 | .70<br>18  | .60<br>15 | 250             | 210<br>95  | 36 × 24<br>900 × 600   | 36<br>914  | 1.15<br>29 | .89<br>23  | 250             | 1345<br>610  |
| 16 × 10<br>400 × 250 | 18<br>457 | .70<br>18  | .68<br>17 | 250             | 235<br>106 | 36 × 30<br>900 × 750   | 36<br>914  | 1.15<br>29 | 1.03<br>26 | 250             | 1555<br>705  |
| 16 × 12<br>400 × 300 | 18<br>457 | .70<br>18  | .75<br>19 | 250             | 265<br>120 | 42 × 24<br>1000 × 600  | 42<br>1067 | 1.28<br>32 | .89<br>23  | 250             | 1820<br>825  |
| 16 × 14<br>400 × 350 | 18<br>457 | .70<br>18  | .66<br>14 | 250             | 280<br>127 | 42 × 30<br>1000 × 750  | 42<br>1067 | 1.28<br>32 | 1.03<br>26 | 250             | 2060<br>935  |
| 18 × 8<br>450 × 200  | 19<br>483 | .75<br>19  | .60<br>15 | 250             | 240<br>109 | 42 × 36<br>1000 × 900  | 42<br>1067 | 1.28<br>32 | 1.15<br>29 | 250             | 2345<br>1064 |
| 18 × 10<br>450 × 250 | 19<br>483 | .75<br>19  | .68<br>17 | 250             | 265<br>120 | 48 × 30<br>1200 × 750  | 48<br>1219 | 1.42<br>36 | 1.03<br>26 | 250             | 2625<br>1191 |
| 18 × 12<br>450 × 300 | 19<br>483 | .75<br>19  | .75<br>19 | 250             | 295<br>134 | 48 × 36<br>1200 × 900  | 48<br>1219 | 1.42<br>36 | 1.15<br>29 | 250             | 2950<br>1338 |
| 18 × 14<br>450 × 350 | 19<br>483 | .75<br>19  | .66<br>17 | 250             | 310<br>141 | 48 × 42<br>1200 × 1000 | 48<br>1219 | 1.42<br>36 | 1.28<br>32 | 250             | 3320<br>1506 |
| 18 × 16<br>450 × 400 | 19<br>483 | .75<br>19  | .70<br>18 | 250             | 340<br>154 |                        |            |            |            |                 |              |
| 20 × 10<br>500 × 250 | 20<br>508 | .80<br>20  | .68<br>17 | 250             | 310<br>141 |                        |            |            |            |                 |              |
| 20 × 12<br>500 × 300 | 20<br>508 | .80<br>20  | .75<br>19 | 250             | 345<br>156 |                        |            |            |            |                 |              |
| 20 × 14<br>500 × 350 | 20<br>508 | .80<br>20  | .66<br>17 | 250             | 355<br>161 |                        |            |            |            |                 |              |
| 20 × 16<br>500 × 400 | 20<br>508 | .80<br>20  | .70<br>18 | 250             | 390<br>177 |                        |            |            |            |                 |              |
| 20 × 18<br>500 × 450 | 20<br>508 | .80<br>20  | .75<br>19 | 250             | 410<br>186 |                        |            |            |            |                 |              |
| 24 × 12<br>600 × 300 | 24<br>610 | .89<br>23  | .75<br>19 | 250             | 480<br>218 |                        |            |            |            |                 |              |
| 24 × 14<br>600 × 350 | 24<br>610 | .89<br>23  | .66<br>17 | 250             | 490<br>222 |                        |            |            |            |                 |              |
| 24 × 16<br>600 × 400 | 24<br>610 | .89<br>23  | .70<br>18 | 250             | 525<br>238 |                        |            |            |            |                 |              |
| 24 × 18<br>600 × 450 | 24<br>610 | .89<br>23  | .75<br>19 | 250             | 550<br>249 |                        |            |            |            |                 |              |
| 24 × 20<br>600 × 500 | 24<br>610 | .89<br>23  | .80<br>20 | 250             | 590<br>268 |                        |            |            |            |                 |              |
| 30 × 18<br>750 × 450 | 30<br>762 | 1.03<br>26 | .75<br>19 | 250             | 810<br>367 |                        |            |            |            |                 |              |
| 30 × 20<br>750 × 500 | 30<br>762 | 1.03<br>26 | .80<br>20 | 250             | 870<br>395 |                        |            |            |            |                 |              |



FLANGE DETAILS

法兰接口

# Section 3

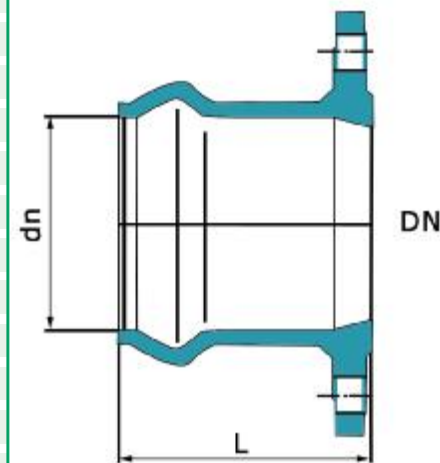
Standards: UPVC

| SIZE       | OD            | BC            | T          | BOLT HOLE DIAMETER | BOLT DIAMETER AND LENGTH  | NO.OF BOL TS |
|------------|---------------|---------------|------------|--------------------|---------------------------|--------------|
| 3<br>80    | 7.50<br>190   | 6.00<br>152   | .75<br>19  | .75<br>19          | 5/8 × 2-1/2<br>16 × 63    | 4            |
| 4<br>100   | 9.00<br>229   | 7.50<br>190   | .94<br>24  | .75<br>19          | 5/8 × 3<br>16 × 76        | 8            |
| 5<br>130   | 10.00<br>254  | 8.50<br>215   | .94<br>23  | .88<br>22          | 3/4 × 2<br>19 × 76        | 8            |
| 6<br>150   | 11.00<br>279  | 9.50<br>241   | 1.00<br>25 | .87<br>22          | 3/4 × 3-1/4<br>19 × 82    | 8            |
| 8<br>200   | 13.50<br>343  | 11.75<br>298  | 1.12<br>28 | .87<br>22          | 3/4 × 3-1/2<br>19 × 89    | 8            |
| 10<br>250  | 16.00<br>406  | 14.25<br>362  | 1.19<br>30 | 1.00<br>25         | 7/8 × 3-3/4<br>19 × 95    | 12           |
| 12<br>300  | 19.00<br>483  | 17.00<br>432  | 1.25<br>32 | 1.00<br>25         | 7/8 × 3-3/4<br>19 × 95    | 12           |
| 14<br>350  | 21.00<br>533  | 18.75<br>476  | 1.38<br>35 | 1.12<br>28         | 1 × 4-1/4<br>25 × 108     | 12           |
| 16<br>400  | 23.50<br>597  | 21.25<br>540  | 1.44<br>36 | 1.12<br>28         | 1 × 4-1/2<br>25 × 114     | 16           |
| 18<br>450  | 25.00<br>635  | 22.75<br>578  | 1.56<br>40 | 1.25<br>32         | 1-1/8 × 4-3/4<br>28 × 121 | 16           |
| 20<br>500  | 27.50<br>698  | 25.00<br>635  | 1.69<br>43 | 1.25<br>32         | 1-1/8 × 5<br>28 × 127     | 20           |
| 24<br>600  | 32.00<br>813  | 29.50<br>749  | 1.88<br>48 | 1.37<br>35         | 1-1/4 × 5-1/2<br>32 × 140 | 20           |
| 30<br>750  | 38.75<br>984  | 36.00<br>914  | 2.12<br>54 | 1.37<br>35         | 1-1/4 × 6-1/4<br>32 × 155 | 28           |
| 36<br>900  | 46.00<br>1168 | 42.75<br>1086 | 2.38<br>60 | 1.62<br>41         | 1-1/2 × 7<br>38 × 179     | 32           |
| 42<br>1000 | 53.00<br>1346 | 49.50<br>1257 | 2.62<br>66 | 1.62<br>41         | 1-1/2 × 7-1/2<br>38 × 190 | 36           |
| 48<br>1200 | 59.50<br>1511 | 56.00<br>1422 | 2.75<br>70 | 1.62<br>41         | 1-1/2 × 7-3/4<br>38 × 197 | 44           |

E-KS EN12842 DIN16451

GJS

| DN   | dn  | L   | n<br>PN10?PN16 | Maca weight<br>gewicht<br>masa | (kg) |
|------|-----|-----|----------------|--------------------------------|------|
| 50   | 63  | 105 | 4              | 3                              |      |
| 65   | 75  | 115 |                | 4                              |      |
| 80   | 90  | 122 |                | 5                              |      |
| 100  | 110 | 133 |                | 7                              |      |
| 125  | 140 | 147 | 8              | 9.4                            |      |
| 150  | 160 | 159 |                | 11                             |      |
| 200  | 225 | 200 |                | 17                             |      |
| 250  | 280 | 218 | 12             | 26.3                           |      |
| 300  | 315 | 237 |                | 34.3                           |      |
| *400 | 400 | 300 | 16             | 82                             |      |
| *500 | 500 | 340 | 20             | 120                            |      |
| *600 | 630 | 443 |                | 150                            |      |

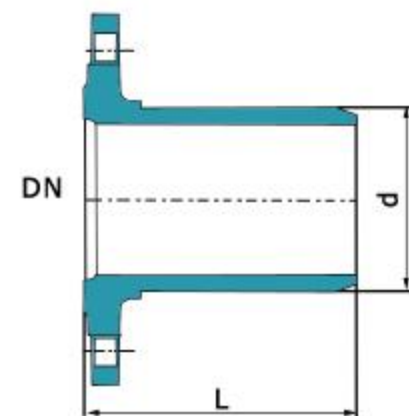


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F-KS EN545 DIN16451

GJS

| DN   | dn  | L   | n<br>PN10?PN16 | Maca weight<br>gewicht<br>masa | (kg) |
|------|-----|-----|----------------|--------------------------------|------|
| 50   | 63  | 120 | 4              | 3.5                            |      |
| 65   | 75  | 125 |                | 4.3                            |      |
| 80   | 90  | 138 |                | 5.8                            |      |
| 100  | 110 | 160 |                | 7.6                            |      |
| 125  | 140 | 160 | 8              | 8.6                            |      |
| 150  | 160 | 180 |                | 11                             |      |
| 200  | 225 | 220 |                | 20                             |      |
| 250  | 280 | 247 | 12             | 25.2                           |      |
| 300  | 315 | 267 |                | 34.7                           |      |
| *400 | 400 | 300 | 16             | 64                             |      |
| *500 | 500 | 310 | 20             | 110                            |      |
| *600 | 630 | 370 |                | 145                            |      |

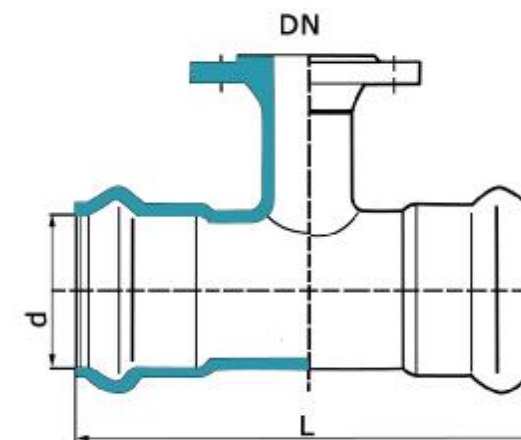


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MMA-KS EN 12842

GJS

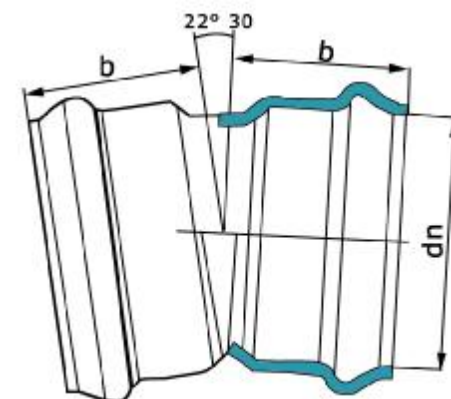
| d   | DN  | L   | Maca weight<br>gewicht<br>masa | (kg) |
|-----|-----|-----|--------------------------------|------|
| 50  | 40  | 200 | 4.9                            |      |
| 63  | 40  | 225 | 6.6                            |      |
|     | 50  | 250 | 5.5                            |      |
| 75  | 50  | 265 | 6.4                            |      |
|     | 65  | 282 | 6.7                            |      |
| 90  | 65  | 306 | 8.5                            |      |
|     | 80  | 320 | 10                             |      |
| 110 | 50  | 324 | 10.1                           |      |
|     | 65  | 335 | 10.5                           |      |
|     | 80  | 348 | 12.7                           |      |
|     | 100 | 368 | 14                             |      |
| 125 | 65  | 356 | 12.2                           |      |
|     | 80  | 365 | 13.8                           |      |
|     | 100 | 387 | 15.4                           |      |
|     | 125 | 418 | 17.7                           |      |
| 140 | 50  | 344 | 12                             |      |
|     | 65  | 356 | 13.4                           |      |
|     | 80  | 365 | 14.2                           |      |
|     | 100 | 387 | 15.5                           |      |
|     | 125 | 418 | 18.4                           |      |
| 160 | 50  | 380 | 16.5                           |      |
|     | 65  | 401 | 16.3                           |      |
|     | 80  | 401 | 18.2                           |      |
|     | 100 | 449 | 21                             |      |
|     | 125 | 449 | 22.7                           |      |
| 200 | 150 | 468 | 25.5                           |      |
|     | 80  | 458 | 23.5                           |      |
|     | 100 | 465 | 25                             |      |
|     | 150 | 500 | 34.5                           |      |
|     | 200 | 550 | 39.5                           |      |
| 225 | 80  | 455 | 24.4                           |      |
|     | 100 | 475 | 27                             |      |
|     | 200 | 410 | 35.8                           |      |
|     | 250 | 680 | 58.2                           |      |
| 315 | 80  | 525 | 36.2                           |      |
|     | 100 | 535 | 36.5                           |      |
|     | 150 | 550 | 35                             |      |
|     | 200 | 640 | 49.5                           |      |
| 400 | 200 | 700 | 49.3                           |      |
|     | 250 | 680 | 58.2                           |      |
|     | 300 | 900 | 98                             |      |
|     | 400 | 995 | 145.3                          |      |



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MMA-KS22° EN 12842 GJS

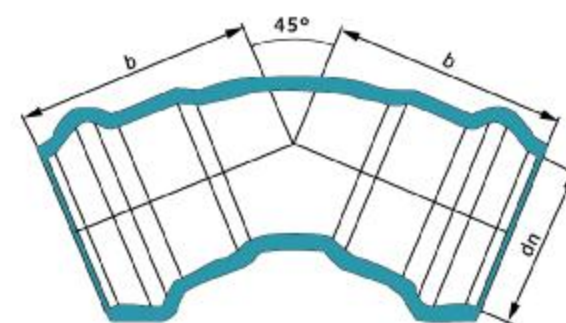
| dn  | L     | Maca weight<br>gewicht<br>masa | (kg) |
|-----|-------|--------------------------------|------|
| 50  | 123   | 2.1                            |      |
| 63  |       | 2.6                            |      |
| 75  | 124   | 2.9                            |      |
| 90  | 133   | 4.7                            |      |
| 110 | 142   | 6                              |      |
| 125 | 155.5 | 7.3                            |      |
| 140 | 167   | 8.4                            |      |
| 160 | 179   | 11.2                           |      |
| 200 | 166   | 12.3                           |      |
| 225 | 218   | 23.5                           |      |



UPVC

MMA-KS45° EN 12842 GJS

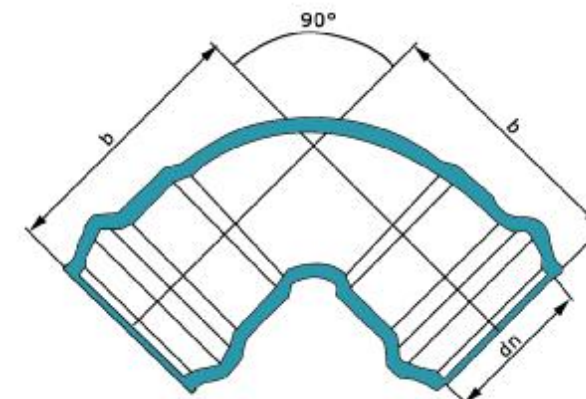
| dn  | L     | Maca weight<br>gewicht<br>masa | (kg) |
|-----|-------|--------------------------------|------|
| 50  | 125   | 2                              |      |
| 63  |       | 2.6                            |      |
| 75  | 134   | 3.2                            |      |
| 90  | 158   | 5.6                            |      |
| 110 | 173   | 7                              |      |
| 125 | 180.5 | 8.4                            |      |
| 140 | 187   | 9.3                            |      |
| 160 | 219   | 14                             |      |
| 200 | 198   | 16.8                           |      |
| 225 | 250   | 26.5                           |      |
| 250 | 330   | 29                             |      |
| 315 | 340   | 45.7                           |      |
| 400 | 400   | 67.2                           |      |



UPVC

MMA-KS90° EN 12842 GJS

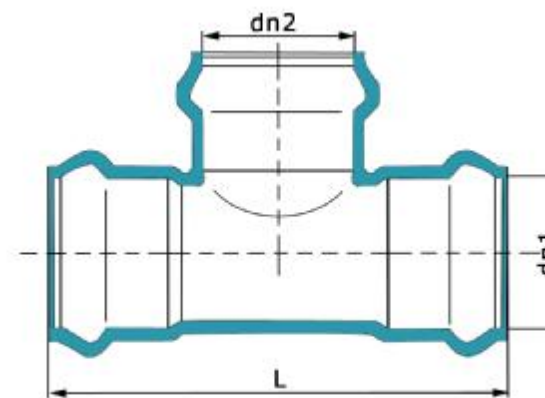
| dn  | L     | Maca weight<br>gewicht<br>masa | (kg) |
|-----|-------|--------------------------------|------|
| 50  | 158   | 2.4                            |      |
| 63  |       | 2.6                            |      |
| 75  | 164   | 3.6                            |      |
| 90  | 195   | 6                              |      |
| 110 | 215   | 8.3                            |      |
| 125 | 245.5 | 10.2                           |      |
| 140 | 252   | 11.4                           |      |
| 160 | 290   | 16.6                           |      |
| 200 | 286   | 21.4                           |      |
| 225 | 338   | 31.7                           |      |
| 250 | 340   | 40                             |      |
| 315 | 350   | 54.6                           |      |
| 355 | 410   | 57.8                           |      |
| 400 | 420   | 85.7                           |      |



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MMB-KS EN12842 GJS

| dn1 | dn2 | L   | Maca weight<br>gewicht<br>masa | (kg) |
|-----|-----|-----|--------------------------------|------|
| 63  | 63  | 227 | 3.4                            |      |
| 75  | 63  | 272 | 3.8                            |      |
|     | 75  | 283 | 4.3                            |      |
|     | 63  | 292 | 5.9                            |      |
| 90  | 75  | 303 | 6                              |      |
|     | 90  | 316 | 5.5                            |      |
|     | 63  | 250 | 5.7                            |      |
| 110 | 75  | 328 | 7.8                            |      |
|     | 90  | 341 | 8.7                            |      |
|     | 110 | 360 | 9                              |      |
|     | 63  |     | 9.6                            |      |
|     | 75  | 366 | 9.7                            |      |
| 125 | 90  |     | 10.2                           |      |
|     | 110 | 385 | 11.5                           |      |
|     | 125 | 412 | 12.4                           |      |
| 140 | 110 | 325 | 9.4                            |      |
|     | 140 | 340 | 11.8                           |      |
|     | 90  | 391 | 14.2                           |      |
| 160 | 110 | 410 | 14.7                           |      |
|     | 140 | 437 | 16.5                           |      |
|     | 160 | 455 | 18.8                           |      |
|     | 110 | 475 | 25                             |      |
| 200 | 140 | 500 | 17                             |      |
|     | 160 | 520 | 29.3                           |      |
|     | 200 | 578 | 30.2                           |      |



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