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HONSON®

# PROFESSIONAL BRASS FITTING MANUFACTURER

温岭市宏升铜业有限公司
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SINCE

# 2004

专业的黄铜管件制造商

PROFESSIONAL BRASS FITTING MANUFACTURER

DVGW VAFOS ISO 9001 ISO 14001 WRAS CE SABS APPROVED ACS

SINCE
2004
制造基地实景
PRODUCTION BASE

## 专业的黄铜管件制造商

PROFESSIONAL BRASS FITTING MANUFACTURER

宏升永远把客户的利益作为企业发展的方向，本着"诚信、务实、互利、双赢"的经营理念，持续改进，不断努力，竭诚为广大客户创造财富，传递价值！

We will always put the customer's interest as our direction. Based on Integrity, Practicality, Mutual benefit and win-win idea, we will try to keep improving, pursue excellence, and create wealth and transfer value to our customers.

# COMPANY PROFILE

## 公司概括

温岭市宏升铜业有限公司是一家专业生产黄铜制管接头的生产贸易型企业。公司成立于 2004 年，经过近十多年的稳健发展，现已发展成为一家年产管件 3500 余万套，年产值超亿元，拥有 400 余名员工的企业。

公司坚持自主创新，不断研发，打造核心竞争力。产品线完整丰富，涵盖二十余个系列，2000 多种产品，满足客户对黄铜管件一站式的需求。公司生产严格按照 ISO9001:2008 建立的质量体系规范管理，配备了全自动 CNC、压力试验机、瑞士 RAL 光谱仪、万能试验机等精良的生产和检测设备。我司自主研发的自动控温高速锻压工艺不仅提高了锻件品质，而且显著提高了生产效率，已成为我司的核心竞争力。与此同时，公司注重员工培训，倡导全员参与，不断提高员工的生产技能和管理水平，确保产品品质水平和服务水平的不断提升和持续改善。

公司长期致力于开拓国际市场，经过全体宏升人的不懈努力，产品得到了国内外客户的一致认可。产品已通过欧盟 CE 认证、WRAS 认证、ACS 认证、DVGW 认证、SABS 认证以及丹麦 VA-ETA 认证。与欧美众多知名企业建立了稳定的，可持续发展的贸易伙伴关系，在英国和整个欧洲市场享有较高的市场份额和美誉度。

公司秉承可持续发展的战略，注重环境保护，已通过 ISO14001：2004 环境管理体系认证，致力于创造环境友好型，资源节约型的生产模式。

Wenling Honson Brassware Co., Ltd was founded in 2004, is a trade-oriented enterprise which is specialized in producing brass fittings. After ten years development, Honson is now an enterprise with over 400 employees and annual production capacity of more than 35 million sets, the annual output valve exceeds 100 million RMB.

Our company insists on independent innovation; invent products without stopping, building core power. More than 20 series products have been developed, which cover over 2000 varieties. The rich product lines can meet the one-stop demand of customers. The production process are organized and managed under ISO9001:2008 quality system. Our company is equipped with advanced production and inspection equipments, such as automatic CNC, pressure test machine, RAL spectrometer and universal material machine. The Auto High-speed Forging with Temperature Control technology is a self-developed process, which not only improves the quality of the forged rough bodies, but also increases productivity greatly. Besides these hardwares, we also emphasize the training, encourage all staff participation and try to improve staff' s production skill and management level. With these methods, we are keeping improving the quality and service.

Our company has being concentrating on expanding the international markets. And our products have passed CE, WRAS, ACS , DVGW, SABS and VA-ETA certification. We have established stable and long-term cooperation with many well-known enterprises in this circle. Our products enjoy high market share and reputation in UK and whole Europe market.

Our company insists sustainable development strategy. We have passed ISO140001:2004 system, and will try our best to create environment-friendly, resource-saving production model.

# MANUFACTURING EQUIPMENT
# 制造中心

现代化的工厂内拥有专业一流的制造设备，国际先进水平的管件生产流水线。经过千锤百炼的高精加工工艺、技术稳定且专业划分细致、训练有素的产业工人，经过严格、规范的组织管理，从而使"宏升"的制造水平及产品质量得到不断提升。

The modernization of the factory has a professional first-class manufacturing equipment, the international advanced level of pipe production line. After finishing, thoroughly tempered high technology, stable and professional division is meticulous, trained with regularity of industrial workers, organized management strict and standardized, so that the "HONSON" manufacturing level and the product quality has been improved.

# TEST CENTER
# 检测中心

专门的质检机构，专业的检测中心，先进的测试设备，为宏升企业构建起了科学完善的现代化质量控制体系。也使宏升企业通过一系列的国际质量检测，并获得了国际的相关认证证书。为宏升企业的明天发展奠定了一系列的基础。

Special quality inspection institutions, professional testing center and advanced test equipments build a sound, scientific and modern quality control system for HONSON, ensure us to pass the international quality inspection and obtain the relevant international certifications and lay the foundation for HONSON's future development.

# PROFESSIONAL INSTITUTIONS APPROVAL
# 专业机构的认可

追求品质的历程是我们最珍贵的财富。
无论时代如何变迁，社会如何改变，我们对于品质的追求始终如一。
基于这一理念的指导，我们将朝着未来一步一步踏实的往前走。

The pursuit of quality is our most precious wealth.
No matter how the times change, how the society changes, the pursuit of quality is consistent.
Based on the guidance of this idea, we will move forward step by step in the future.

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## HS100
Brass Compression Fittings For Copper Tube
配紫铜管的，以卡套连接为端口的管件

## HS110
Brass Solder Fittings
配紫铜管，以焊接连接为端口的管件

## HS120
Brass Repair Clamps
补漏管夹

HONSON®

# HS100 SERIES

## Technical Points:

1.Body:Brass by hot forging.

2.Ring:Copper and brass.

3.Nut:Brass by hot forging.

4.Manufactured according to EN1254–2.

5.Fastening threads according to ISO 228/1.

## 技术要点：

1. 本体：黄铜锻造

2. 卡圈：黄铜或紫铜

3. 螺帽：黄铜锻造

4. 生产标准：EN1254–2

5. 外配螺纹标准：ISO228/1

## Assembling Instructions

1.Cut the copper tube perpendicular to its axis using appropriate tools,remove any trimming carefully.

2.Fit the nut on the tube.

3.Fit the ring on the tube.

4.Fit the tube on the body up to the mechanical stop.

5.Tighten the nut by hand till it is possible then using the tool tighten the nut.

## 组装说明：

1. 用合适的工具垂直紫铜管轴线，割断紫铜管，去除所有毛刺。

2. 将螺帽套在紫铜管上。

3. 将卡圈套在紫铜管上。

4. 将紫铜管插入本体。

5. 用手拧紧螺帽，直到手拧不动为止，再用工具拧紧螺帽。





## Brass Compression Fittings

Manufactured to EN1254-2 ( formerly BS864-2 ) . Compression fittings are suitable for mechanically joining copper or stainless steel tube by means of compressing a cone onto the tube without the application of beat .

The range is designed for use with copper tube to EN1057 ( formerly BS2871 ) and stainless steel tube to EN10312 ( formerly BS4127 ) .

The materials are made to the British standard of brass forging ( BS2872 CZ122 ) or rod ( BS2874 CZ121 ) .

Brass compression fittings as specified in EN1254-2 are suitable for use of the following pressures and temperatures.

| Medium | Service temp up to ℃ | Max working pressure | |
|---|---|---|---|
| | | bar | psi |
| Water or Light Mineral Oils 10 to 54 mm sizes | 30 | 16 | 230 |
| | 65 | 10 | 145 |
| | 110 | 6 | 87 |
| | 120 | 5 | 75 |
| Saturated Steam | 120 | 3 | 45 |
| LPG & Natural Gas 10 to 28 mm sizes only | 30 | 1 | 15 |

## How to Make a Perfect Joint

Cut the tube end square and ensure is smooth.

Insert the tube into the fitting fully.

Tighten the nut onto the fitting until the pipe can't be rotated by hand . A drop of light machine oil on the threads will facilitate tightening . ( particularly on larger sizes ) .

Tighten the nut with a good , well-fitting spanner and followed by the recommended minimum number of turns as shown below.

| Types of Tube | Minimum Number of Turns As Per Size | | | | | |
|---|---|---|---|---|---|---|
| | 10 – 15 mm | 22 mm | 28 mm | 35 mm | 42 mm | 54 mm |
| EN 1057 Copper Tube | 1 - 1 1/4 | 3/4 - 1 | 3/4 - 1 | 3/4 - 1 | 3/4 - 1 | 3/4 - 1 |
| En 10312 Stainless Steel Tube | 3/4 | 3/4 | 1/2 | 1/2 | 1/2 | 1/2 |

## Notes:

1. Seal tape , jointing compounds or sealants are not necessary with compression fittings ; the use of these materials could impair the efficiency of the joint .

2. Over-tightening will not produce a better joint and may lead to problems in service.

## Additional Technique to Strengthen a Joint

## - Groove Method

Groove method is now accepted as the most effective method of connection . If can be applied to copper tube ( EN1057 ) or stainless steel tube ( EN10312 ) especially for tube sizes above 28mm. With the groove method , joints are strengthened and can withstand greater pressure . All that is needed is a normal cutter with a blunt blade and perform the following steps :

1. Repeat step 1 and 2 .

2. Remove the nut , hold the ring and tube with on hand and remove the body of fitting .

3. Mark the position of the ring on the side nearest to the cut end of the tube .

4. Position a tube cutter with the blade edge on the marked position ( use only a blunt blade ) and cut a circular groove around the tube .

5. Roll a string seal tape over the groove for several rounds.Normal seal tape can be twirled into a string tape.

6. Insert the body of the fitting back to the tube end and tighten the nut to the body with hand as far as possible .

7. Tighten the nut with a spanner as usual .





### HS100-001

Equal Straight / 等径直通 C × C

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 8 × 8 | 8 | 19.5 | 25 | 550 | 49500 |
| 10 × 10 | 10 | 21.5 | 25 | 450 | 40500 |
| 12 × 12 | 12 | 22.5 | 10 | 300 | 27000 |
| 14 × 14 | 14 | 22.5 | 10 | 240 | 21600 |
| 15 × 15 | 15 | 22.5 | 10 | 240 | 21600 |
| 16 × 16 | 16 | 22.5 | 10 | 160 | 14400 |
| 18 × 18 | 18 | 23.5 | 10 | 160 | 14400 |
| 22 × 22 | 22 | 24 | 10 | 140 | 12600 |
| 28 × 28 | 28 | 28 | 10 | 70 | 6300 |
| 35 × 35 | 35 | 31.5 | 5 | 45 | 4050 |
| 42 × 42 | 42 | 32.5 | 5 | 35 | 3150 |
| 54 × 54 | 54 | 36 | 5 | 15 | 1350 |
| 15 × 15 × 82mm | 15 | 82 | 10 | 110 | 9900 |
| 22 × 22 × 82mm | 22 | 82 | 5 | 60 | 5400 |

### HS100-002

Reducing Straight/ 异径直通 C × C

| SIZE | D | D1 | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 10 × 8 | 10 | 8 | 20 | 25 | 600 | 54000 |
| 12 × 8 | 12 | 8 | 22 | 25 | 550 | 49500 |
| 12 × 10 | 12 | 10 | 22 | 25 | 350 | 31500 |
| 15 × 8 | 15 | 8 | 21 | 10 | 270 | 24300 |
| 15 × 10 | 15 | 10 | 22 | 10 | 250 | 22500 |
| 15 × 12 | 15 | 12 | 22.5 | 10 | 220 | 19800 |
| 18 × 15 | 18 | 15 | 23 | 10 | 180 | 16200 |
| 22 × 15 | 22 | 15 | 23 | 10 | 150 | 13500 |
| 22 × 18 | 22 | 18 | 25 | 10 | 130 | 11700 |
| 28 × 15 | 28 | 15 | 25.5 | 10 | 120 | 10800 |
| 28 × 22 | 28 | 22 | 26 | 10 | 100 | 9000 |

### HS100-003

Female Straight/ 内螺纹直通 C × FI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 8 × 1/4" F | 8 | 1/4" | 19 | 9 | 25 | 550 | 49500 |
| 8 × 3/8" F | 8 | 3/8" | 19 | 9 | 25 | 500 | 45000 |
| 10 × 1/4" F | 10 | 1/4" | 20 | 9 | 25 | 450 | 40500 |
| 10 × 3/8" F | 10 | 3/8" | 20 | 9 | 25 | 400 | 36000 |
| 10 × 1/2" F | 10 | 1/2" | 22.5 | 11.5 | 10 | 300 | 27000 |
| 12 × 3/8" F | 12 | 3/8" | 20 | 9 | 10 | 260 | 23400 |
| 12 × 1/2" F | 12 | 1/2" | 23 | 11.5 | 10 | 230 | 20700 |
| 14 × 3/8" F | 14 | 3/8" | 21 | 9 | 10 | 220 | 19800 |
| 14 × 1/2" F | 14 | 1/2" | 23 | 11.5 | 10 | 220 | 19800 |
| 15 × 1/4" F | 15 | 1/4" | 22.5 | 11 | 10 | 280 | 25200 |
| 15 × 3/8" F | 15 | 3/8" | 20.5 | 9 | 10 | 220 | 19800 |
| 15 × 1/2" F | 15 | 1/2" | 23 | 11.5 | 10 | 220 | 19800 |
| 15 × 3/4" F | 15 | 3/4" | 24.5 | 13 | 10 | 180 | 16200 |
| 15 × 1" F | 15 | 1" | 26 | 14 | 10 | 100 | 9000 |
| 16 × 1/2"F | 16 | 1/2" | 23 | 11.5 | 10 | 220 | 19800 |
| 16 × 3/4" F | 16 | 3/4" | 24.5 | 13 | 10 | 160 | 14400 |
| 18 × 1/2" F | 18 | 1/2" | 24 | 11.5 | 10 | 220 | 19800 |
| 18 × 3/4" F | 18 | 3/4" | 25 | 13 | 10 | 160 | 14400 |
| 22 × 1/2" F | 22 | 1/2" | 23.5 | 11.5 | 10 | 150 | 13500 |
| 22 × 3/4" F | 22 | 3/4" | 24.5 | 13 | 10 | 140 | 12600 |
| 22 × 1" F | 22 | 1" | 26.5 | 14 | 5 | 100 | 9000 |
| 28 × 3/4" F | 28 | 3/4" | 28 | 13 | 5 | 80 | 7200 |
| 28 × 1" F | 28 | 1" | 28.5 | 14 | 5 | 80 | 7200 |
| 35 × 1 1/4"F | 35 | 1.1/4" | 31.5 | 16 | 5 | 40 | 3600 |
| 42 × 1 1/2" F | 42 | 1.1/2" | 33 | 16 | 5 | 35 | 3150 |
| 54 × 2" F | 54 | 2" | 38.5 | 19.5 | 5 | 20 | 1800 |

## HS100-004
Male Straight/ 外螺纹直通 C × MI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 8 × 1/8"M | 8 | 1/8" | 18.5 | 7 | 25 | 800 | 72000 |
| 8 × 1/4"M | 8 | 1/4" | 20 | 8.5 | 25 | 600 | 54000 |
| 8 × 3/8"M | 8 | 3/8" | 20.5 | 9 | 25 | 550 | 49500 |
| 8 × 1/2"M | 8 | 1/2" | 21 | 9.5 | 25 | 500 | 45000 |
| 10 × 1/4"M | 10 | 1/4" | 21 | 8.5 | 25 | 550 | 49500 |
| 10 × 3/8"M | 10 | 3/8" | 21.5 | 9 | 25 | 500 | 45000 |
| 10 × 1/2"M | 10 | 1/2" | 22 | 9.5 | 25 | 350 | 31500 |
| 12 × 3/8"M | 12 | 3/8" | 22 | 9 | 25 | 500 | 45000 |
| 12 × 1/2"M | 12 | 1/2" | 22.5 | 9.5 | 10 | 330 | 29700 |
| 14 × 3/8"M | 14 | 3/8" | 22 | 9 | 10 | 300 | 27000 |
| 14 × 1/2"M | 14 | 1/2" | 22.5 | 9.5 | 10 | 300 | 27000 |
| 14 × 3/4"M | 14 | 3/4" | 27 | 11 | 10 | 190 | 17100 |
| 15 × 1/4"M | 15 | 1/4" | 21.5 | 8.5 | 10 | 300 | 27000 |
| 15 × 3/8"M | 15 | 3/8" | 22 | 9 | 10 | 300 | 27000 |
| 15 × 1/2"M | 15 | 1/2" | 22.5 | 9.5 | 10 | 300 | 27000 |
| 15 × 3/4"M | 15 | 3/4" | 27 | 11 | 10 | 190 | 17100 |
| 16 × 1/2"M | 16 | 1/2" | 22.5 | 9.5 | 10 | 200 | 18000 |
| 16 × 3/4"M | 16 | 3/4" | 27 | 11 | 10 | 150 | 13500 |
| 18 × 1/2"M | 18 | 1/2" | 23.5 | 9.5 | 10 | 170 | 15300 |
| 18 × 3/4"M | 18 | 3/4" | 27.5 | 11 | 10 | 150 | 13500 |
| 22 × 1/2"M | 22 | 1/2" | 23.5 | 9.5 | 10 | 150 | 13500 |
| 22 × 3/4"M | 22 | 3/4" | 25.5 | 11 | 10 | 140 | 12600 |
| 22 × 1"M | 22 | 1" | 29.5 | 12.5 | 5 | 110 | 9900 |
| 22 × 1 1/4"M | 22 | 1 1/4" | 35 | 15 | 5 | 75 | 6750 |
| 28 × 3/4"M | 28 | 3/4" | 28 | 11 | 10 | 100 | 9000 |
| 28 × 1"M | 28 | 1" | 29.5 | 12.5 | 5 | 80 | 7200 |
| 35 × 1 1/4"M | 35 | 11/4" | 33 | 14.5 | 5 | 50 | 4500 |
| 42 × 1 1/2"M | 42 | 11/2" | 35 | 16 | 5 | 35 | 3150 |
| 54 × 2"M | 54 | 2" | 38 | 17 | 5 | 25 | 2250 |

## HS100-005
Equal Elbow/ 等径弯头 C × C

| SIZE | D | D1 | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 8 × 8 | 8 | 8 | 15 | 15 | 25 | 400 | 36000 |
| 10 × 10 | 10 | 10 | 17 | 17 | 25 | 350 | 31500 |
| 12 × 12 | 12 | 12 | 17.5 | 17.5 | 10 | 240 | 21600 |
| 14 × 14 | 14 | 14 | 20.5 | 20.5 | 10 | 200 | 18000 |
| 15 × 15 | 15 | 15 | 20.5 | 20.5 | 10 | 200 | 18000 |
| 16 × 16 | 16 | 16 | 21 | 21 | 10 | 160 | 14400 |
| 18 × 18 | 18 | 18 | 23.5 | 23.5 | 10 | 130 | 11700 |
| 22 × 15 | 22 | 15 | 25 | 23 | 10 | 120 | 10800 |
| 22 × 22 | 22 | 22 | 25 | 25 | 10 | 90 | 8100 |
| 28 × 22 | 28 | 22 | 34 | 26 | 10 | 70 | 6300 |
| 28 × 28 | 28 | 28 | 29.5 | 29.5 | 10 | 60 | 5400 |
| 35 × 35 | 35 | 35 | 35.5 | 35.5 | 5 | 30 | 2700 |
| 42 × 42 | 42 | 42 | 40 | 40 | 1 | 20 | 1800 |
| 54 × 54 | 54 | 54 | 47 | 47 | 1 | 10 | 900 |

## HS100-006
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 8 × 1/4"F | 8 | 1/4" | 18 | 14 | 9 | 25 | 500 | 45000 |
| 10 × 3/8"F | 10 | 3/8" | 20 | 16.5 | 10 | 25 | 400 | 36000 |
| 12 × 1/2"F | 12 | 1/2" | 22 | 18 | 11.5 | 10 | 300 | 27000 |
| 14 × 1/2"F | 14 | 1/2" | 22.5 | 19 | 11.5 | 10 | 170 | 15300 |
| 15 × 1/2"F | 15 | 1/2" | 22.5 | 19 | 11.5 | 10 | 170 | 15300 |
| 15 × 3/4"F | 15 | 3/4" | 26 | 20.5 | 13 | 10 | 140 | 12600 |
| 16 × 1/2"F | 16 | 1/2" | 22.5 | 19 | 11.5 | 10 | 150 | 13500 |
| 18 × 1/2"F | 18 | 1/2" | 23.5 | 20.5 | 11.5 | 10 | 140 | 12600 |
| 18 × 3/4"F | 18 | 3/4" | 25.5 | 22 | 13 | 10 | 110 | 9900 |
| 22 × 1/2"F | 22 | 1/2" | 23 | 22.5 | 11.5 | 10 | 110 | 9900 |
| 22 × 3/4"F | 22 | 3/4" | 26.5 | 24 | 13 | 10 | 100 | 9000 |
| 22 × 1"F | 22 | 1" | 30 | 25 | 14 | 10 | 60 | 5400 |
| 28 × 1"F | 28 | 1" | 31 | 27.5 | 14 | 5 | 60 | 5400 |
| 35 × 1 1/4"F | 35 | 1 1/4" | 37 | 33 | 16 | 5 | 30 | 2700 |
| 42 × 1 1/2"F | 42 | 1 1/2" | 41.5 | 36.5 | 16 | 1 | 18 | 1620 |
| 54 × 2"F | 54 | 2" | 49 | 46 | 19.5 | 1 | 12 | 1080 |





## HS100-007
Male Elbow/ 外螺纹弯头 C × MI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 8 × 1/4"M | 8 | 1/4" | 16.5 | 18 | 8.5 | 10 | 500 | 45000 |
| 10 × 1/4"M | 10 | 1/4" | 16.5 | 19 | 8.5 | 25 | 250 | 22500 |
| 10 × 3/8"M | 10 | 3/8" | 19 | 21 | 10 | 25 | 225 | 20250 |
| 12 × 1/2"M | 12 | 1/2" | 21 | 21 | 9.5 | 10 | 210 | 18900 |
| 14 × 1/2"M | 14 | 1/2" | 21 | 23 | 9.5 | 10 | 200 | 18000 |
| 15 × 1/4"M | 15 | 1/4" | 19 | 22 | 8.5 | 10 | 220 | 19800 |
| 15 × 3/8"M | 15 | 3/8" | 19 | 22.5 | 9 | 10 | 200 | 18000 |
| 15 × 1/2"M | 15 | 1/2" | 21 | 23 | 9.5 | 10 | 200 | 18000 |
| 15 × 3/4"M | 15 | 3/4" | 24 | 24.5 | 11 | 10 | 160 | 14400 |
| 16 × 1/2"M | 16 | 1/2" | 21 | 24 | 9.5 | 10 | 180 | 16200 |
| 18 × 1/2"M | 18 | 1/2" | 21 | 25 | 9.5 | 10 | 160 | 14400 |
| 18 × 3/4"M | 18 | 3/4" | 24 | 27 | 11 | 10 | 130 | 11700 |
| 22 × 1/2"M | 22 | 1/2" | 21.5 | 27 | 9.5 | 10 | 120 | 10800 |
| 22 × 3/4"M | 22 | 3/4" | 24.5 | 28.5 | 11 | 10 | 110 | 9900 |
| 22 × 1"M | 22 | 1" | 28 | 30 | 12.5 | 10 | 70 | 6300 |
| 28 × 1"M | 28 | 1" | 29.5 | 34 | 12.5 | 5 | 60 | 5400 |
| 35 × 1 1/4"M | 35 | 11/4" | 36.5 | 40.5 | 14.5 | 5 | 25 | 2250 |
| 42 × 1 1/2"M | 42 | 11/2" | 39 | 45 | 16 | 1 | 18 | 1620 |
| 54 × 2"M | 54 | 2" | 46 | 55 | 17 | 1 | 10 | 900 |

## HS100-008
Equal Tee/ 等径三通 C × C × C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 8 × 8 × 8 | 8 | 30 | 15 | 25 | 300 | 27000 |
| 10 × 10 × 10 | 10 | 34 | 17 | 25 | 250 | 22500 |
| 12 × 12 × 12 | 12 | 35 | 17.5 | 10 | 200 | 18000 |
| 14 × 14 × 14 | 14 | 41 | 20.5 | 10 | 120 | 10800 |
| 15 × 15 × 15 | 15 | 41 | 20.5 | 10 | 120 | 10800 |
| 16 × 16 × 16 | 16 | 42 | 21 | 10 | 100 | 9000 |
| 18 × 18 × 18 | 18 | 47 | 23.5 | 10 | 80 | 7200 |
| 22 × 22 × 22 | 22 | 50 | 25 | 10 | 60 | 5400 |
| 28 × 28 × 28 | 28 | 59 | 29.5 | 5 | 35 | 3150 |
| 35 × 35 × 35 | 35 | 71 | 35.5 | 5 | 20 | 1800 |
| 42 × 42 × 42 | 42 | 80 | 40 | 1 | 15 | 1350 |
| 54 × 54 × 54 | 54 | 94 | 47 | 1 | 7 | 630 |

## HS100-009
Reducing Tee/ 异径三通 C × C × C

| SIZE | D | D1 | D2 | L1 | L2 | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 15 × 15 × 22 | 15 | 15 | 22 | 23.5 | 23.5 | 21.5 | 10 | 80 | 7200 |
| 18 × 18 × 15 | 18 | 18 | 15 | 22 | 22 | 24 | 10 | 80 | 7200 |
| 18 × 15 × 18 | 18 | 15 | 18 | 24 | 22 | 24 | 10 | 80 | 7200 |
| 22 × 15 × 15 | 22 | 15 | 15 | 23 | 19.5 | 23 | 10 | 90 | 8100 |
| 22 × 15 × 22 | 22 | 15 | 22 | 25 | 23.5 | 25 | 10 | 70 | 6300 |
| 22 × 22 × 15 | 22 | 22 | 15 | 23 | 23 | 23.5 | 10 | 70 | 6300 |
| 22 × 22 × 18 | 22 | 22 | 18 | 23 | 23 | 27 | 10 | 70 | 6300 |
| 22 × 28 × 15 | 22 | 28 | 15 | 21 | 24.5 | 28 | 10 | 60 | 5400 |
| 28 × 28 × 15 | 28 | 28 | 15 | 23 | 23 | 26.5 | 10 | 40 | 3600 |
| 28 × 15 × 28 | 28 | 15 | 28 | 29.5 | 26.5 | 29.5 | 10 | 40 | 3600 |
| 28 × 22 × 22 | 28 | 22 | 22 | 28.5 | 26.5 | 29 | 10 | 50 | 4500 |
| 28 × 28 × 22 | 28 | 28 | 22 | 26 | 26 | 29 | 10 | 30 | 2700 |
| 28 × 22 × 28 | 28 | 22 | 28 | 29.5 | 27 | 29.5 | 10 | 30 | 2700 |
| 35 × 35 × 15 | 35 | 35 | 15 | 26 | 26 | 34 | 5 | 30 | 2700 |
| 35 × 35 × 22 | 35 | 35 | 22 | 31 | 31 | 34 | 5 | 25 | 2250 |
| 35 × 35 × 28 | 35 | 35 | 28 | 31 | 31 | 34 | 5 | 25 | 2250 |
| 42 × 42 × 15 | 42 | 42 | 15 | 28 | 28 | 38.5 | 1 | 27 | 2430 |
| 42 × 42 × 22 | 42 | 42 | 22 | 28 | 28 | 38.5 | 1 | 27 | 2430 |
| 42 × 42 × 28 | 42 | 42 | 28 | 35 | 35 | 40 | 1 | 18 | 1620 |
| 42 × 42 × 35 | 42 | 42 | 35 | 35 | 35 | 40 | 1 | 18 | 1620 |
| 54 × 54 × 15 | 54 | 54 | 15 | 35.5 | 35.5 | 46 | 1 | 13 | 1170 |
| 54 × 54 × 22 | 54 | 54 | 22 | 35.5 | 35.5 | 46 | 1 | 13 | 1170 |
| 54 × 54 × 28 | 54 | 54 | 28 | 35.5 | 35.5 | 46 | 1 | 13 | 1170 |
| 54 × 54 × 35 | 54 | 54 | 35 | 42 | 42 | 46.5 | 1 | 11 | 990 |
| 54 × 54 × 42 | 54 | 54 | 42 | 42 | 42 | 46.5 | 1 | 11 | 990 |

## HS100-010
Female Tee/ 内螺纹三通 C × C × FI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 12×12×1/2"F | 12 | 1/2" | 45 | 18 | 11.5 | 10 | 150 | 13500 |
| 14×14×1/2"F | 14 | 1/2" | 45 | 19 | 11.5 | 10 | 120 | 10800 |
| 15×15×1/2"F | 15 | 1/2" | 45 | 19 | 11.5 | 10 | 120 | 10800 |
| 16×16×1/2"F | 16 | 1/2" | 45 | 19 | 11.5 | 10 | 120 | 10800 |
| 18×18×1/2"F | 18 | 1/2" | 47 | 20.5 | 11.5 | 10 | 100 | 9000 |
| 18×18×3/4"F | 18 | 3/4" | 52 | 26 | 13 | 10 | 80 | 7200 |
| 22×22×1/2"F | 22 | 1/2" | 46 | 22.5 | 11.5 | 10 | 80 | 7200 |
| 22×22×3/4"F | 22 | 3/4" | 53 | 24 | 13 | 10 | 60 | 5400 |
| 28×28×1/2"F | 28 | 1/2" | 52 | 24 | 11.5 | 5 | 40 | 3600 |
| 28×28×3/4"F | 28 | 3/4" | 55 | 26.5 | 13 | 5 | 40 | 3600 |
| 28×28×1"F | 28 | 1" | 62 | 27.5 | 14 | 5 | 35 | 3150 |

## HS100-011
Wallplate Elbow/ 内螺纹墙体阀 C × FI

| SIZE | D | G | L | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 12×1/2"F | 12 | 1/2" | 22.5 | 30 | 18 | 11.5 | 10 | 120 | 10800 |
| 14×1/2"F | 14 | 1/2" | 22.5 | 33 | 19 | 11.5 | 10 | 120 | 10800 |
| 15×1/2"F | 15 | 1/2" | 22.5 | 33 | 19 | 11.5 | 10 | 100 | 9000 |
| 16×1/2"F | 16 | 1/2" | 22.5 | 34 | 19 | 11.5 | 10 | 100 | 9000 |
| 18×1/2"F | 18 | 1/2" | 23.5 | 41 | 24 | 15 | 10 | 100 | 9000 |
| 18×3/4"F | 18 | 3/4" | 28 | 43 | 26 | 16.5 | 10 | 70 | 6300 |
| 22×1/2"F | 22 | 1/2" | 29 | 50 | 30.5 | 15 | 10 | 60 | 5400 |
| 22×3/4"F | 22 | 3/4" | 26.5 | 42 | 24 | 13 | 10 | 50 | 4500 |

## HS100-012
Water Tank Connector/ 水箱

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 15 | 15 | 36 | 10 | 150 | 13500 |
| 22 | 22 | 37 | 10 | 100 | 9000 |
| 28 | 28 | 37 | 10 | 60 | 5400 |
| 35 | 35 | 42 | 5 | 40 | 3600 |
| 42 | 42 | 44 | 5 | 30 | 2700 |
| 54 | 54 | 45 | 5 | 20 | 1800 |





## HS100-013
Stop End/ 堵头

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 8 | 8 | 11 | 50 | 750 | 67500 |
| 10 | 10 | 12 | 50 | 700 | 63000 |
| 12 | 12 | 12.5 | 25 | 650 | 58500 |
| 15 | 15 | 12.5 | 10 | 400 | 36000 |
| 18 | 18 | 13.5 | 10 | 350 | 31500 |
| 22 | 22 | 13.5 | 10 | 230 | 20700 |
| 28 | 28 | 15.5 | 10 | 130 | 11700 |
| 35 | 35 | 18 | 5 | 60 | 5400 |
| 42 | 42 | 19 | 5 | 45 | 4050 |
| 54 | 54 | 20 | 5 | 35 | 3150 |

## HS100-014
Str Tap Connector/ 滑动直通 C × FI

| SIZE | D | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 15×1/2"F | 15 | 1/2" | 32.5 | 10 | 180 | 16200 |
| 15×3/4"F | 15 | 3/4" | 34.5 | 10 | 140 | 12600 |
| 22×3/4"F | 22 | 3/4" | 36 | 10 | 100 | 9000 |

## HS100-015
Bent Tap Connector/ 滑动弯头 C × FI

| SIZE | D | G | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 15×1/2"F | 15 | 1/2" | 21 | 27.5 | 10 | 200 | 18000 |
| 22×3/4"F | 22 | 3/4" | 34 | 22 | 5 | 100 | 9000 |

## HS100-016
Crossover Bridge/ 天桥式直通 C × C

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 15 | 15 | 87 | 10 | 100 | 9000 |
| 18 | 18 | 101.5 | 10 | 60 | 5400 |
| 22 | 22 | 121 | 5 | 40 | 3600 |

## HS100-017
Reduced Piece/ 缩口器 C × C

| SIZE | D | D1 | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 15×8 | 15 | 8 | 18.5 | 25 | 1000 | 90000 |
| 15×10 | 15 | 10 | 18.5 | 25 | 1000 | 90000 |
| 22×15 | 22 | 15 | 18.5 | 25 | 450 | 40500 |
| 28×15 | 28 | 15 | 20.5 | 10 | 210 | 18900 |
| 28×22 | 28 | 22 | 20.5 | 10 | 210 | 18900 |
| 35×22 | 35 | 22 | 21 | 10 | 170 | 15300 |
| 35×28 | 35 | 28 | 21 | 10 | 170 | 15300 |

## HS100-018
3 Part Reduced Set/ 三件套 C × C

| SIZE | D | D1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 10 × 8 | 10 | 8 | 10 | 4 | 50 | 1400 | 126000 |
| 12 × 8 | 12 | 8 | 10 | 4 | 50 | 1200 | 108000 |
| 15 × 8 | 15 | 8 | 10 | 4 | 25 | 1000 | 90000 |
| 15 × 10 | 15 | 10 | 10 | 4 | 25 | 1000 | 90000 |
| 15 × 12 | 15 | 12 | 10 | 4 | 25 | 1000 | 90000 |
| 22 × 15 | 22 | 15 | 10 | 4 | 25 | 700 | 63000 |
| 28 × 15 | 28 | 15 | 13 | 5 | 10 | 250 | 22500 |
| 28 × 22 | 28 | 22 | 13 | 5 | 10 | 250 | 22500 |
| 35 × 15 | 35 | 15 | 13 | 5.5 | 5 | 130 | 11700 |
| 35 × 22 | 35 | 22 | 13 | 5.5 | 5 | 130 | 11700 |
| 35 × 28 | 35 | 28 | 13 | 5.5 | 5 | 130 | 11700 |
| 42 × 15 | 42 | 15 | 14 | 6 | 5 | 100 | 9000 |
| 42 × 22 | 42 | 22 | 14 | 6 | 5 | 100 | 9000 |
| 42 × 28 | 42 | 28 | 14 | 6 | 5 | 100 | 9000 |
| 42 × 35 | 42 | 35 | 14 | 6 | 5 | 100 | 9000 |
| 54 × 22 | 54 | 22 | 16 | 6.5 | 5 | 60 | 5400 |
| 54 × 28 | 54 | 28 | 16 | 6.5 | 5 | 60 | 5400 |
| 54 × 35 | 54 | 35 | 16 | 6.5 | 5 | 60 | 5400 |
| 54 × 42 | 54 | 42 | 16 | 6.5 | 5 | 60 | 5400 |

## HS100-019
Water Tank Connector/ 外螺纹水箱 C × MI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 15×1/2" | 15 | 1/2" | 56 | 37.5 | 10 | 100 | 9000 |
| 22×3/4" | 22 | 3/4" | 57 | 37.5 | 10 | 60 | 5400 |
| 28×1" | 28 | 1" | 61 | 40 | 10 | 40 | 3600 |
| 35×1"1/4 | 35 | 1.1/4" | 69.5 | 43 | 5 | 25 | 2250 |
| 42×1"1/2 | 42 | 1.1/2" | 77 | 47 | 1 | 24 | 2160 |
| 54×2" | 54 | 2" | 82 | 50 | 1 | 12 | 1080 |

## HS100-020
45 Degree Elbow / 45° 等径弯头

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 15 × 45° | 15 | 18 | 18 | 10 | 200 | 18000 |
| 22 × 45° | 22 | 22 | 22 | 10 | 90 | 8100 |
| 28 × 45° | 28 | 26 | 26 | 10 | 60 | 5400 |





# HS110 SERIES

**Technical Points:**

1.Body in brass by hot forging.

2.Manufactured according to EN1254–1.

3.Designed for use with copper tube.

4.Fastening threads according to ISO 228/1.

**技术要点:**

1. 本体黄铜锻造

2. 生产标准：EN1254–1

3. 配紫铜管

4. 外配螺纹标准：ISO228/1

## HS110-001
Female Straight/ 内螺纹直通 C × FI

| SIZE | D | G | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 10 × 1/4"F | 10 | 1/4" | 18.5 | 7.8 | 9 | 25 | 1000 | 90000 |
| 10 × 3/8"F | 10 | 3/8" | 18.5 | 7.8 | 9 | 25 | 875 | 78750 |
| 10 × 1/2"F | 10 | 1/2" | 20.5 | 7.8 | 11 | 25 | 550 | 49500 |
| 12 × 3/8"F | 12 | 3/8" | 19 | 8.6 | 9 | 25 | 800 | 72000 |
| 12 × 1/2"F | 12 | 1/2" | 21 | 8.6 | 11 | 25 | 500 | 45000 |
| 14 × 3/8"F | 14 | 3/8" | 21 | 10.6 | 9 | 25 | 600 | 54000 |
| 14 × 1/2"F | 14 | 1/2" | 23 | 10.6 | 11.5 | 25 | 475 | 42750 |
| 14 × 3/4"F | 14 | 3/4" | 24.5 | 10.6 | 13 | 25 | 300 | 27000 |
| 15 × 3/8"F | 15 | 3/8" | 21 | 10.6 | 9 | 25 | 575 | 51750 |
| 15 × 1/2"F | 15 | 1/2" | 23 | 10.6 | 11.5 | 25 | 475 | 42750 |
| 15 × 3/4"F | 15 | 3/4" | 25.5 | 10.6 | 13.5 | 25 | 300 | 27000 |
| 16 × 3/8"F | 16 | 3/8" | 21 | 10.6 | 9 | 25 | 575 | 51750 |
| 16 × 1/2"F | 16 | 1/2" | 23 | 10.6 | 11.5 | 25 | 475 | 42750 |
| 16 × 3/4"F | 16 | 3/4" | 24.5 | 10.6 | 13 | 25 | 300 | 27000 |
| 18 × 1/2"F | 18 | 1/2" | 25 | 12.6 | 11 | 25 | 375 | 33750 |
| 18 × 3/4"F | 18 | 3/4" | 27.5 | 12.6 | 13.5 | 25 | 275 | 24750 |
| 22 × 1/2"F | 22 | 1/2" | 28 | 15.4 | 11 | 25 | 300 | 27000 |
| 22 × 3/4"F | 22 | 3/4" | 30.5 | 15.4 | 13.5 | 10 | 200 | 18000 |
| 22 × 1"F | 22 | 1" | 32.5 | 15.4 | 15 | 10 | 150 | 13500 |
| 28 × 1/2"F | 28 | 1/2" | 32.5 | 18.4 | 11 | 10 | 200 | 18000 |
| 28 × 3/4"F | 28 | 3/4" | 33.5 | 18.4 | 13.5 | 10 | 150 | 13500 |
| 28 × 1"F | 28 | 1" | 35.5 | 18.4 | 15 | 10 | 110 | 9900 |
| 28 × 11/4"F | 28 | 11/4" | 37 | 18.4 | 16 | 5 | 90 | 8100 |
| 32 × 11/4"F | 32 | 11/4" | 40.5 | 23 | 16 | 5 | 70 | 6300 |
| 35 × 1"F | 35 | 1" | 39 | 23 | 14 | 5 | 80 | 7200 |
| 35 × 1.1/4"F | 35 | 1 1/4" | 40.5 | 23 | 16 | 5 | 70 | 6300 |
| 40 × 1 1/2"F | 40 | 1 1/2" | 49.5 | 27 | 21 | 5 | 45 | 4050 |
| 42 × 1 1/2"F | 42 | 1 1/2" | 49.5 | 27 | 21 | 5 | 45 | 4050 |
| 54 × 2"F | 54 | 2" | 57.5 | 32 | 24 | 1 | 72 | 3240 |
| 76 × 3"F | 76 | 3" | 65 | 33.5 | 29 | 1 | 24 | 1080 |
| 108 × 4"F | 108 | 4" | 83 | 48 | 32 | 1 | 12 | 540 |

## HS110-002
Male Straight/ 外螺纹直通 C × MI

| SIZE | D | G | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 10 × 1/4"M | 10 | 1/4" | 18 | 7.8 | 8.5 | 25 | 1300 | 117000 |
| 10 × 3/8"M | 10 | 3/8" | 18.5 | 7.8 | 9 | 25 | 950 | 85500 |
| 12 × 3/8"M | 12 | 3/8" | 19 | 8.6 | 9 | 25 | 800 | 72000 |
| 12 × 1/2"M | 12 | 1/2" | 20 | 8.6 | 10 | 25 | 575 | 51750 |
| 14 × 3/8"M | 14 | 3/8" | 21 | 10.6 | 9 | 25 | 725 | 65250 |
| 14 × 1/2"M | 14 | 1/2" | 20 | 10.6 | 10 | 25 | 550 | 49500 |
| 14 × 3/4"M | 14 | 3/4" | 21.5 | 10.6 | 11 | 25 | 350 | 31500 |
| 15 × 3/8"M | 15 | 3/8" | 21 | 10.6 | 9 | 25 | 650 | 58500 |
| 15 × 1/2"M | 15 | 1/2" | 21 | 10.6 | 11 | 25 | 550 | 49500 |
| 15 × 3/4"M | 15 | 3/4" | 22 | 10.6 | 12 | 25 | 350 | 31500 |
| 16 × 3/8"M | 16 | 3/8" | 22 | 10.6 | 9 | 25 | 575 | 51750 |
| 16 × 1/2"M | 16 | 1/2" | 19.5 | 10.6 | 9.5 | 25 | 550 | 49500 |
| 16 × 3/4"M | 16 | 3/4" | 21.5 | 10.6 | 11 | 25 | 350 | 31500 |
| 18 × 1/2"M | 18 | 1/2" | 22 | 12.6 | 11 | 25 | 425 | 38250 |
| 18 × 3/4"M | 18 | 3/4" | 26 | 12.6 | 12 | 25 | 300 | 27000 |
| 22 × 1/2"M | 22 | 1/2" | 27 | 15.4 | 10 | 10 | 300 | 27000 |
| 22 × 3/4"M | 22 | 3/4" | 25.5 | 15.4 | 12 | 10 | 250 | 22500 |
| 22 × 1"M | 22 | 1" | 27.5 | 15.4 | 13 | 10 | 180 | 16200 |
| 28 × 3/4"M | 28 | 3/4" | 29 | 18.4 | 12 | 10 | 190 | 17100 |
| 28 × 1"M | 28 | 1" | 28.5 | 18.4 | 13 | 10 | 160 | 14400 |
| 28 × 11/4"M | 28 | 11/4" | 34 | 18.4 | 14.5 | 5 | 90 | 8100 |
| 32 × 1"M | 32 | 1" | 39.5 | 23 | 13 | 5 | 95 | 8550 |
| 32 × 1 1/4"M | 32 | 1 1/4" | 33 | 23 | 14.5 | 5 | 90 | 8100 |
| 35 × 1"M | 35 | 1" | 38 | 23 | 13 | 5 | 100 | 9000 |
| 35 × 1 1/4"M | 35 | 1 1/4" | 33 | 23 | 14.5 | 5 | 100 | 9000 |
| 35 × 1 1/2"M | 35 | 11/2" | 43 | 23 | 16.5 | 5 | 65 | 5850 |
| 40 × 1 1/2"M | 40 | 1 1/2" | 43.5 | 27 | 16.5 | 5 | 60 | 5400 |
| 42 × 1 1/4"M | 42 | 1 1/4" | 44.5 | 27 | 14.5 | 5 | 55 | 4950 |
| 42 × 1 1/2"M | 42 | 1 1/2" | 44.5 | 27 | 16.5 | 5 | 60 | 5400 |
| 52 × 2"M | 52 | 2" | 50.5 | 32 | 18 | 1 | 72 | 3240 |
| 54 × 2"M | 54 | 2" | 51 | 32 | 18 | 1 | 72 | 3240 |
| 64 × 2 1/2"M | 64 | 2 1/2" | 54 | 32.5 | 20 | 1 | 45 | 2025 |
| 67 × 2 1/2"M | 67 | 2 1/2" | 54 | 32.5 | 20 | 1 | 45 | 2025 |
| 76 × 3"M | 76 | 3" | 50.5 | 33.5 | 23.5 | 1 | 30 | 1350 |
| 108 × 4"M | 108 | 4" | 83 | 48 | 30 | 1 | 12 | 540 |

## HS110-003
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 12×3/8"F | 12 | 3/8" | 16.5 | 8.6 | 16 | 8.5 | 25 | 550 | 49500 |
| 12×1/2"F | 12 | 1/2" | 17 | 8.6 | 19.5 | 11.5 | 25 | 325 | 29250 |
| 14×3/8"F | 14 | 3/8" | 17.5 | 10.6 | 17 | 8.5 | 25 | 450 | 40500 |
| 14×1/2"F | 14 | 1/2" | 17.5 | 10.6 | 20.5 | 11.5 | 25 | 300 | 27000 |
| 15×1/2"F | 15 | 1/2" | 19 | 10.6 | 21 | 11 | 25 | 300 | 27000 |
| 15×3/4"F | 15 | 3/4" | 22.5 | 10.6 | 24 | 13.5 | 25 | 200 | 18000 |
| 16×1/2"F | 16 | 1/2" | 18 | 10.6 | 1 | 11 | 25 | 300 | 27000 |
| 16×3/4"F | 16 | 3/4" | 20 | 10.6 | 23 | 13.5 | 10 | 200 | 18000 |
| 18×1/2"F | 18 | 1/2" | 22 | 12.6 | 22.5 | 11 | 25 | 250 | 22500 |
| 18×3/4"F | 18 | 3/4" | 23 | 12.6 | 25 | 13.5 | 10 | 160 | 14400 |
| 22×1/2"F | 22 | 1/2" | 26.5 | 15.4 | 23.5 | 11 | 10 | 160 | 14400 |
| 22×3/4"F | 22 | 3/4" | 26.5 | 15.4 | 26.5 | 13.5 | 10 | 130 | 11700 |
| 22×1"F | 22 | 1" | 28 | 15.4 | 28 | 14 | 10 | 100 | 9000 |
| 28×3/4"F | 28 | 3/4" | 32 | 18.4 | 29.5 | 13.5 | 10 | 90 | 8100 |
| 28×1"F | 28 | 1" | 32 | 18.4 | 31 | 15 | 5 | 70 | 6300 |
| 28×1 1/4"F | 28 | 1 1/4" | 33 | 18.4 | 33 | 16 | 5 | 55 | 4950 |
| 35×1 1/4"F | 35 | 1 1/4" | 37 | 23 | 41 | 19 | 5 | 50 | 4500 |
| 42×1 1/2"F | 42 | 1 1/2" | 45 | 27 | 43 | 19.5 | 5 | 25 | 2250 |





## HS110-004
Male Elbow/ 外螺纹弯头 C × MI

| SIZE | D | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 12 × 3/8"M | 12 | 3/8" | 15 | 8.6 | 20 | 9 | 25 | 600 | 54000 |
| 12 × 1/2"M | 12 | 1/2" | 17 | 8.6 | 22.5 | 10 | 25 | 325 | 29250 |
| 14 × 3/8"M | 14 | 3/8" | 17.5 | 10.6 | 21 | 9 | 25 | 425 | 38250 |
| 14 × 1/2"M | 14 | 1/2" | 19 | 10.6 | 24 | 10 | 25 | 300 | 27000 |
| 15 × 3/8"M | 15 | 3/8" | 17.5 | 10.6 | 21 | 9 | 25 | 425 | 38250 |
| 15 × 1/2"M | 15 | 1/2" | 19 | 10.6 | 24 | 10 | 25 | 300 | 27000 |
| 15 × 3/4"M | 15 | 3/4" | 20 | 10.6 | 29 | 12 | 25 | 200 | 18000 |
| 16 × 1/2"M | 16 | 1/2" | 19 | 10.6 | 24 | 10 | 25 | 300 | 27000 |
| 16 × 3/4"M | 16 | 3/4" | 21 | 10.6 | 24.5 | 11 | 10 | 230 | 20700 |
| 18 × 1/2"M | 18 | 1/2" | 22 | 12.6 | 26.5 | 11 | 25 | 250 | 22500 |
| 18 × 3/4"M | 18 | 3/4" | 27 | 12.6 | 27 | 11 | 10 | 170 | 15300 |
| 22 × 1/2"M | 22 | 1/2" | 25 | 15.4 | 28.5 | 11 | 10 | 160 | 14400 |
| 22 × 3/4"M | 22 | 3/4" | 27 | 15.4 | 30 | 11 | 10 | 130 | 11700 |
| 22 × 1"M | 22 | 1" | 27 | 15.4 | 32.5 | 13 | 10 | 100 | 9000 |
| 28 × 3/4"M | 28 | 3/4" | 30 | 18.4 | 32.5 | 11 | 10 | 100 | 9000 |
| 28 × 1"M | 28 | 1 | 30.5 | 18.4 | 34 | 13 | 5 | 90 | 8100 |
| 35 × 1 1/4"M | 35 | 1 1/4" | 40 | 23 | 38 | 15.5 | 5 | 40 | 3600 |
| 54 × 2"M | 54 | 2" | 57.5 | 32 | 51 | 18 | 1 | 30 | 1350 |

## HS110-005
Wallplate Elbow/ 内螺纹墙体阀 C × FI

| SIZE | D | G | L | L1 | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|---|
| 12×1/2"F | 12 | 1/2" | 17 | 8.6 | 27.5 | 19.5 | 11.5 | 10 | 240 | 21600 |
| 14×1/2"F | 14 | 1/2" | 19 | 10.6 | 30.5 | 21 | 11 | 10 | 220 | 19800 |
| 15×1/2"F | 15 | 1/2" | 19 | 10.6 | 30.5 | 21 | 11 | 10 | 220 | 19800 |
| 15×3/4"F | 15 | 3/4" | 20 | 10.6 | 31.5 | 21.5 | 12 | 10 | 120 | 10800 |
| 18×1/2"F | 18 | 1/2" | 22 | 12.6 | 34.5 | 22.5 | 11 | 10 | 180 | 16200 |
| 18×3/4"F | 18 | 3/4" | 23 | 12.6 | 36.5 | 25 | 13.5 | 10 | 120 | 10800 |
| 22×1/2"F | 22 | 1/2" | 26.5 | 15.4 | 36.5 | 23.5 | 11 | 10 | 120 | 10800 |
| 22×3/4"F | 22 | 3/4" | 26.5 | 15.4 | 40 | 26.5 | 13.5 | 10 | 110 | 9900 |

## HS110-006
Female Tee/ 内螺纹三通 C × C × FI

| SIZE | D | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 12×12×1/2"F | 12 | 1/2" | 34 | 8.6 | 19.5 | 11 | 25 | 275 | 24750 |
| 14×14×1/2"F | 14 | 1/2" | 35 | 10.6 | 21 | 11 | 25 | 250 | 22500 |
| 15×15×3/8"F | 15 | 3/8" | 33 | 10.6 | 17.5 | 8.5 | 25 | 325 | 29250 |
| 15×15×1/2"F | 15 | 1/2" | 41.5 | 10.6 | 21 | 11 | 25 | 250 | 22500 |
| 16×16×1/2"F | 16 | 1/2" | 36 | 10.6 | 21.5 | 11 | 25 | 225 | 20250 |
| 18×18×1/2"F | 18 | 1/2" | 44 | 12.6 | 22.5 | 11 | 10 | 150 | 13500 |
| 18×18×3/4"F | 18 | 3/4" | 46 | 12.6 | 23.5 | 12 | 10 | 120 | 10800 |
| 22×22×1/2"F | 22 | 1/2" | 53 | 15.4 | 23.5 | 11 | 10 | 120 | 10800 |
| 22×22×3/4"F | 22 | 3/4" | 56 | 15.4 | 29 | 13.5 | 10 | 80 | 7200 |
| 28×28×1/2"F | 28 | 1/2" | 59 | 18.4 | 27.5 | 11 | 10 | 60 | 5400 |
| 28×28×3/4"F | 28 | 3/4" | 64 | 18.4 | 29.5 | 13.5 | 5 | 60 | 5400 |
| 28×28×1"F | 28 | 1" | 64 | 18.4 | 30 | 14 | 5 | 60 | 5400 |

## HS110-007
Cross/ 等径四通 C×C×C

| SIZE | D | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 15 | 15 | 42 | 10.6 | 10 | 200 | 18000 |
| 18 | 18 | 47 | 12.6 | 10 | 130 | 11700 |
| 22 | 22 | 57 | 15.5 | 10 | 80 | 7200 |
| 28 | 28 | 69 | 18.4 | 5 | 40 | 3600 |
| 35 | 35 | 86 | 23 | 5 | 20 | 1800 |

## HS110-008
Straight Union with Metal Sealed（CC）/ 等径连接直通 C×C

| SIZE | D | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 15×15 | 15 | 45 | 11.5 | 10 | 200 | 18000 |
| 16×16 | 16 | 45 | 11.5 | 10 | 180 | 16200 |
| 18×18 | 18 | 53 | 12.6 | 10 | 110 | 9900 |
| 22×22 | 22 | 63 | 15.5 | 10 | 70 | 6300 |
| 28×28 | 28 | 64.5 | 18.4 | 5 | 55 | 4950 |
| 35×35 | 35 | 81.5 | 23 | 5 | 35 | 3150 |

## HS110-009
Straight Union with Metal Sealed（CM）
外螺纹连接直通 C×MI

| SIZE | D | G | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 12×3/8"M | 12 | 3/8" | 45 | 11 | 10.5 | 25 | 250 | 22500 |
| 12×1/2"M | 12 | 1/2" | 50 | 11 | 11.5 | 10 | 190 | 17100 |
| 14×3/8"M | 14 | 3/8" | 45 | 11 | 10.5 | 25 | 250 | 22500 |
| 14×1/2"M | 14 | 1/2" | 50 | 11 | 11.5 | 10 | 170 | 15300 |
| 14×3/4"M | 14 | 3/4" | 55 | 11 | 13.5 | 10 | 100 | 9000 |
| 15×1/2"M | 15 | 1/2" | 50 | 11.5 | 11.5 | 10 | 170 | 15300 |
| 15×3/4"M | 15 | 3/4" | 56 | 11.5 | 13.5 | 10 | 100 | 9000 |
| 16×1/2"M | 16 | 1/2" | 50 | 11.5 | 11.5 | 10 | 160 | 14400 |
| 16×3/4"M | 16 | 3/4" | 56 | 11.5 | 13.5 | 10 | 100 | 9000 |
| 18×1/2"M | 18 | 1/2" | 52 | 12.6 | 11.5 | 10 | 150 | 13500 |
| 18×3/4"M | 18 | 3/4" | 57.5 | 12.6 | 13.5 | 10 | 100 | 9000 |
| 22×3/4"M | 22 | 3/4" | 63 | 15.5 | 13.5 | 10 | 80 | 7200 |
| 22×1"M | 22 | 1" | 68.5 | 15.5 | 16 | 10 | 60 | 5400 |
| 28×3/4"M | 28 | 3/4" | 66 | 18.5 | 13.5 | 10 | 60 | 5400 |
| 28×1"M | 28 | 1" | 69.5 | 18.4 | 16 | 5 | 50 | 4500 |
| 28×11/4"M | 28 | 11/4" | 72 | 18.5 | 16 | 5 | 50 | 4500 |
| 32×1"M | 32 | 1" | 69 | 23 | 16 | 5 | 50 | 4500 |
| 35×11/4"M | 35 | 11/4" | 84 | 23 | 16 | 5 | 30 | 2700 |
| 40×11/4"M | 40 | 11/4" | 81 | 27 | 16 | 5 | 25 | 2250 |
| 40×11/2"M | 40 | 11/2" | 86 | 27 | 19 | 5 | 20 | 1800 |
| 42×11/2"M | 42 | 11/2" | 86 | 27 | 19 | 5 | 20 | 1800 |
| 52×2"M | 52 | 2" | 110 | 32 | 20 | 1 | 20 | 900 |
| 54×2"M | 54 | 2" | 110 | 32 | 20 | 1 | 20 | 900 |





## HS110-010
Angle Union with Metal Sealed（CF）/ 内螺纹连接弯头 C×FI

| SIZE | D | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 14×1/2"F | 14 | 1/2" | 44 | 11 | 23.5 | 10.5 | 10 | 130 | 11700 |
| 15×1/2"F | 15 | 1/2" | 46 | 11.5 | 23.5 | 10.5 | 10 | 130 | 11700 |
| 16×3/4"F | 16 | 3/4" | 48 | 11.5 | 27 | 12 | 10 | 80 | 7200 |
| 18×3/4"F | 18 | 3/4" | 53 | 12.6 | 27 | 12 | 10 | 80 | 7200 |
| 22×3/4"F | 22 | 3/4" | 53 | 15.5 | 27 | 12 | 10 | 70 | 6300 |
| 22×1"F | 22 | 1" | 63 | 15.5 | 38 | 13.5 | 10 | 40 | 3600 |
| 28×1"F | 28 | 1" | 64.5 | 18.4 | 38 | 13.5 | 5 | 40 | 3600 |
| 35×11/4"F | 35 | 11/4" | 77.5 | 23 | 39.5 | 15.5 | 5 | 20 | 1800 |

## HS110-011
Cap/ 平底帽

| SIZE | D | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 12 | 12 | 10.3 | 8.6 | 25 | 1250 | 112500 |
| 14 | 14 | 12.3 | 10.6 | 25 | 1050 | 94500 |
| 15 | 15 | 12.3 | 10.6 | 25 | 1000 | 90000 |
| 18 | 18 | 14.5 | 12.6 | 10 | 650 | 58500 |
| 22 | 22 | 17.3 | 15.4 | 10 | 420 | 37800 |
| 28 | 28 | 20.5 | 18.4 | 5 | 200 | 18000 |

## HS110-012
Straight Tap Commector / 紫铜滑动直通（平底）C×FI

| SIZE | D | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 10×3/8"F | 10 | 3/8" | 7.8 | 25 | 500 | 45000 |
| 12×3/8"F | 12 | 3/8" | 8.6 | 25 | 500 | 45000 |
| 12×1/2"F | 12 | 1/2" | 8.6 | 25 | 400 | 36000 |
| 14×3/8"F | 14 | 3/8" | 10.6 | 25 | 500 | 45000 |
| 14×1/2"F | 14 | 1/2" | 10.6 | 25 | 350 | 31500 |
| 14×3/4"F | 14 | 3/4" | 10.6 | 25 | 200 | 18000 |
| 15×1/2"F | 15 | 1/2" | 10.6 | 25 | 350 | 31500 |
| 15×3/4"F | 15 | 3/4" | 10.6 | 25 | 200 | 18000 |
| 16×1/2"F | 16 | 1/2" | 10.6 | 25 | 400 | 36000 |
| 16×3/4"F | 16 | 3/4" | 10.6 | 25 | 200 | 18000 |
| 18×1/2"F | 18 | 1/2" | 12.6 | 25 | 300 | 27000 |
| 18×3/4"F | 18 | 3/4" | 12.6 | 25 | 200 | 18000 |
| 18×1"F | 18 | 1" | 12.6 | 10 | 150 | 13500 |
| 22×1/2"F | 22 | 1/2" | 15.4 | 25 | 250 | 22500 |
| 22×3/4"F | 22 | 3/4" | 15.4 | 25 | 150 | 13500 |
| 22×1"F | 22 | 1" | 15.4 | 10 | 150 | 13500 |
| 28×1" F | 28 | 1" | 18.4 | 10 | 100 | 9000 |
| 32×1 1/4" F | 32 | 1 1/4" | 23 | 10 | 50 | 4500 |
| 40×1 1/4" F | 40 | 1 1/2" | 27 | 5 | 30 | 2700 |

## HS110-013
Straight Tap Commector With Hole
紫铜滑动直通（不平底带锁孔）C×FI

| SIZE | D | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 12×1/2"F | 12 | 1/2" | 8.6 | 25 | 400 | 36000 |
| 14×1/2"F | 14 | 1/2" | 10.6 | 25 | 350 | 31500 |
| 15×1/2"F | 15 | 1/2" | 10.6 | 25 | 350 | 31500 |
| 15×3/4"F | 15 | 3/4" | 10.6 | 25 | 200 | 18000 |
| 18×1/2"F | 18 | 1/2" | 12.6 | 25 | 300 | 27000 |
| 18×3/4"F | 18 | 3/4" | 12.6 | 25 | 200 | 18000 |
| 18×1"F | 18 | 1" | 12.6 | 10 | 150 | 13500 |
| 22×1/2"F | 22 | 1/2" | 15.4 | 25 | 250 | 22500 |
| 22×3/4"F | 22 | 3/4" | 15.4 | 25 | 150 | 13500 |
| 22×1"F | 22 | 1" | 15.4 | 10 | 150 | 13500 |
| 28×1"F | 28 | 1" | 18.4 | 10 | 100 | 9000 |

## HS110-014
Bend Tap Connector/ 紫铜滑动弯头（平底）C×FI

| SIZE | D | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 12×3/8"F | 12 | 3/8" | 8.6 | 25 | 350 | 31500 |
| 12×1/2"F | 12 | 1/2" | 8.6 | 25 | 300 | 27000 |
| 14×3/8"F | 14 | 3/8" | 10.6 | 25 | 350 | 31500 |
| 14×1/2"F | 14 | 1/2" | 10.6 | 25 | 250 | 22500 |
| 14×3/4"F | 14 | 3/4" | 10.6 | 25 | 200 | 18000 |
| 15× 1/2"F | 15 | 1/2" | 10.6 | 25 | 200 | 18000 |
| 15×3/4"F | 15 | 3/4" | 10.6 | 25 | 150 | 13500 |
| 16×1/2"F | 16 | 1/2" | 10.6 | 25 | 200 | 18000 |
| 16×3/4"F | 16 | 3/4" | 10.6 | 25 | 150 | 13500 |
| 18×1/2"F | 18 | 1/2" | 12.6 | 25 | 200 | 18000 |
| 18×3/4"F | 18 | 3/4" | 12.6 | 25 | 150 | 13500 |
| 18×1"F | 18 | 1" | 12.6 | 10 | 100 | 9000 |
| 22×1/2"F | 22 | 1/2" | 15.4 | 25 | 150 | 13500 |
| 22×3/4"F | 22 | 3/4" | 15.4 | 25 | 100 | 9000 |
| 22×1"F | 22 | 1" | 15.4 | 10 | 80 | 7200 |
| 28×1"F | 28 | 1" | 18.4 | 10 | 70 | 6300 |

## HS110-015
Bend Tap Connector/ 紫铜滑动弯头（不平底）C×FI

| SIZE | D | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 12×1/2"F | 12 | 1/2" | 8.6 | 25 | 300 | 27000 |
| 14×1/2"F | 14 | 1/2" | 10.6 | 25 | 250 | 22500 |
| 15×1/2"F | 15 | 1/2" | 10.6 | 25 | 200 | 18000 |
| 15×3/4"F | 15 | 3/4" | 10.6 | 25 | 150 | 13500 |
| 18×1/2"F | 18 | 1/2" | 12.6 | 25 | 200 | 18000 |
| 18×3/4"F | 18 | 3/4" | 12.6 | 25 | 150 | 13500 |
| 18×1"F | 18 | 1" | 12.6 | 10 | 100 | 9000 |
| 22×1/2"F | 22 | 1/2" | 15.4 | 25 | 150 | 13500 |
| 22×3/4"F | 22 | 3/4" | 15.4 | 25 | 100 | 9000 |
| 22×1"F | 22 | 1" | 15.4 | 10 | 80 | 7200 |





## HS110-016
Straight Union with Metal Sealed（CF）
内螺纹连接直通 C×FI

| SIZE | D | G | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 12×3/8" | 12 | 3/8" | 30 | 11 | 9 | 25 | 300 | 27000 |
| 12×1/2" | 12 | 1/2" | 37.5 | 11 | 10.5 | 10 | 200 | 18000 |
| 14×3/8" | 14 | 3/8" | 30 | 11 | 9 | 25 | 275 | 24750 |
| 14×1/2" | 14 | 1/2" | 39.5 | 11 | 10.5 | 10 | 190 | 17100 |
| 14×3/4" | 14 | 3/4" | 41 | 11 | 14 | 10 | 130 | 11700 |
| 15×1/2" | 15 | 1/2" | 40 | 11.5 | 10.5 | 10 | 190 | 17100 |
| 15×3/4" | 15 | 3/4" | 41 | 11.5 | 14 | 10 | 130 | 11700 |
| 16×1/2" | 16 | 1/2" | 40 | 11.5 | 10.5 | 10 | 190 | 17100 |
| 16×3/4" | 16 | 3/4" | 40 | 11.5 | 14 | 10 | 130 | 11700 |
| 18×1/2" | 18 | 1/2" | 40 | 12.6 | 10.5 | 10 | 170 | 15300 |
| 18×3/4" | 18 | 3/4" | 46 | 12.6 | 14 | 10 | 110 | 9900 |
| 22×3/4" | 22 | 3/4" | 46 | 15.5 | 14 | 10 | 100 | 9000 |
| 22×1" | 22 | 1" | 51 | 15.5 | 16 | 10 | 70 | 6300 |
| 28×1" | 28 | 1" | 53 | 18.5 | 16 | 5 | 60 | 5400 |
| 28×1 1/4" | 28 | 1 1/4" | 55 | 18.5 | 19 | 5 | 40 | 3600 |
| 32×1" | 32 | 1" | 54 | 23 | 16 | 5 | 50 | 4500 |
| 32×1 1/4" | 32 | 1 1/4" | 63 | 23 | 19 | 5 | 40 | 3600 |
| 35×1 1/4" | 35 | 1 1/4" | 63 | 23 | 19 | 5 | 35 | 3150 |
| 40×1 1/2" | 40 | 1 1/2" | 61 | 27 | 19 | 5 | 25 | 2250 |
| 42×1 1/2" | 42 | 1 1/2" | 61 | 27 | 19 | 5 | 25 | 2250 |
| 54×2" | 54 | 2" | 80 | 32 | 20 | 1 | 28 | 1260 |

## HS110-017
Angle Union with Metal Sealed（CM） / 外螺纹连接弯头 C×MI

| SIZE | D | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 14×1/2" | 14 | 1/2" | 49 | 11.5 | 20.5 | 10.6 | 10 | 140 | 12600 |
| 16×1/2" | 16 | 1/2" | 49 | 11.5 | 20.5 | 11.5 | 10 | 140 | 12600 |
| 16×3/4" | 16 | 3/4" | 55 | 13.5 | 24 | 11.5 | 10 | 80 | 7200 |
| 18×3/4" | 18 | 3/4" | 55 | 13.5 | 26 | 13 | 10 | 80 | 7200 |
| 22×3/4" | 22 | 3/4" | 55 | 13.5 | 29 | 15.5 | 10 | 70 | 6300 |
| 28×1" | 28 | 1" | 65 | 16 | 34 | 18.5 | 5 | 40 | 3600 |

## HS110-018
Straight Union/ 内螺纹直通 C×FI（两体式）

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 10×3/8" | 10 | 3/8" | 11 | 10.5 | 10 | 600 | 54000 |
| 12×3/8" | 12 | 3/8" | 11 | 10.5 | 10 | 550 | 49500 |
| 10×1/2" | 10 | 1/2" | 12.5 | 10.5 | 10 | 440 | 39600 |
| 12×1/2" | 12 | 1/2" | 12.5 | 10.5 | 10 | 440 | 39600 |
| 14×1/2" | 14 | 1/2" | 12.5 | 11.5 | 10 | 350 | 31500 |
| 14×3/4" | 14 | 3/4" | 13 | 11.5 | 10 | 300 | 27000 |
| 16×3/4" | 16 | 3/4" | 13 | 11.5 | 10 | 280 | 25200 |
| 18×3/4" | 18 | 3/4" | 13 | 12.5 | 10 | 260 | 23400 |
| 22×1" | 22 | 1" | 15 | 16 | 5 | 130 | 11700 |

## HS110-019
截止直通

| SIZE | D | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 12×12 | 12 | 17.8 | 11 | 10 | 240 | 21600 |
| 14×14 | 14 | 17.8 | 11 | 10 | 220 | 19800 |
| 16×16 | 16 | 22 | 13 | 10 | 170 | 15300 |
| 18×18 | 18 | 22 | 13 | 10 | 140 | 12600 |

## HS110-020
截止弯头

| SIZE | D | L | L1 | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 12×12 | 12 | 17.8 | 11 | 19 | 10 | 240 | 21600 |
| 14×14 | 14 | 17.8 | 11 | 19 | 10 | 220 | 19800 |
| 16×16 | 16 | 22 | 13 | 24 | 10 | 170 | 15300 |
| 18×18 | 18 | 22 | 13 | 24 | 10 | 140 | 12600 |





## HS120-001
Equal Straight/ 直通

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 10 | 10 | 44.5 | 10 | 150 | 13500 |
| 12 | 12 | 45 | 10 | 140 | 12600 |
| 15 | 15 | 49.5 | 10 | 90 | 8100 |
| 18 | 18 | 50 | 10 | 80 | 7200 |
| 22 | 22 | 59.5 | 10 | 50 | 4500 |
| 28 | 28 | 69.5 | 5 | 40 | 3600 |
| 35 | 35 | 70 | 5 | 25 | 2250 |
| 42 | 42 | 80 | 5 | 15 | 1350 |
| 54 | 54 | 100 | 5 | 10 | 900 |

## HS120-002
Female Tee/ 内螺纹三通

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 15×1/2"F | 15 | 1/2" | 49.5 | 24.5 | 13 | 10 | 80 | 7200 |
| 18×1/2"F | 18 | 1/2" | 50 | 26 | 13 | 10 | 70 | 6300 |
| 22×1/2"F | 22 | 1/2" | 59.5 | 23.5 | 13 | 10 | 50 | 4500 |
| 28×3/4"F | 28 | 3/4" | 69.5 | 30 | 15 | 5 | 30 | 2700 |
| 35×3/4"F | 35 | 3/4" | 70 | 32.5 | 15 | 5 | 25 | 2250 |
| 42×1"F | 42 | 1" | 80 | 43.5 | 17 | 5 | 15 | 1350 |
| 54×1 1/4"F | 54 | 1 1/4" | 100 | 49.5 | 19 | 5 | 10 | 900 |

## HS130
Brass Compression Fittings For PE Pipe(Heavy Type)
配 PE 管，以卡套连接为端口的管件（重型）

## HS140
Brass Compression Fittings For PE Pipe(Light Type)
配 PE 管，以卡套连接为端口的管件（轻型）

## HS150
Brass Compression Fittings For PE Pipe(Heavy Type)
配 PE 管，以卡套连接为端口的管件

## HS160
Brass Compression Fittings For PE Pipe(75-110mm)
配 PE 管，以卡套连接为端口的管件（大规格）

## HS170
Brass Compression Fittings For Seamless Steel Tube
配无缝钢管，以卡套连接为端口的管件

## HS180
Brass Irrigation Fittings For PE Pipe
配 PE 管，花园接头

HONSON®

# HS130 SERIES

## Technical Points:

1.Body:Brass by hot forging
2.O-ring:NBR
3.Washer:Brass
4.Lock ring:Brass
5.Nut:Brass by hot forging
6.Working pressure:1.6MPa
7.Working temperature:-10℃≤ t ≤ 80℃

## 技术要点：

1. 本体：黄铜锻造
2.O 型圈：NBR
3. 平垫圈：黄铜
4. 开口卡圈：黄铜
5. 螺帽：黄铜锻造
6. 工作压力：1.6MPa
7. 工作温度：-10℃≤ t ≤ 80℃

## Assembling Instructions

1.Cut the pipe perpendicular to its using appropriate tools,remove any trimming carefully
2.Fit the nut on the pipe
3.Fit the lock ring on the pipe
4.Fit the brass washer on the pipe
5.Fit the o-ring on the pipe
6.Fit the pipe on the body up to the mechanical stop
7.Tighten the nut by hand till it is possible then using the tool tighten the nut

## 组装说明：

1. 用合适的工具割断 PE 管，去除所有毛刺。
2. 将螺帽套在 PE 管上。
3. 开口卡圈套在 PE 管上。
4. 将平垫圈套在 PE 管上。
5. 将 O 型圈套在 PE 管上。
6. 将 PE 管插入本体。
7. 用手拧紧螺帽，直到手拧不动为止，再用工具拧紧螺帽。





### HS130-001
Equal Straight/ 等径直通 C × C

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 20×20 | 20.7 | 34.5 | 10 | 80 | 7200 |
| 25×25 | 25.8 | 40 | 10 | 50 | 4500 |
| 32×32 | 33 | 48 | 5 | 30 | 2700 |
| 40×40 | 41.5 | 55.5 | 2 | 20 | 1800 |
| 50×50 | 51 | 64 | 1 | 13 | 1170 |
| 63×63 | 64 | 72 | 1 | 14 | 630 |

### HS130-002
Female Straight/ 内螺纹直通 C × FI

| SIZE | D | Rp | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 20×1/2"F | 20.7 | 1/2" | 33.5 | 17.5 | 10 | 120 | 10800 |
| 25×3/4"F | 25.8 | 3/4" | 37.5 | 19 | 10 | 70 | 6300 |
| 32×1"F | 33 | 1" | 45 | 22 | 5 | 45 | 4050 |
| 40×1 1/4"F | 41.5 | 1 1/4" | 53 | 25 | 2 | 30 | 2700 |
| 50×1 1/2"F | 51 | 1 1/2" | 57 | 25 | 1 | 20 | 1800 |
| 63×2"F | 64 | 2" | 67.5 | 29 | 1 | 25 | 1125 |

### HS130-003
Male Straight/ 外螺纹直通 C × MI

| SIZE | D | R | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 20×1/2"M | 20.7 | 1/2" | 29.7 | 13.2 | 10 | 140 | 12600 |
| 25×3/4"M | 25.8 | 3/4" | 33.5 | 14.5 | 10 | 90 | 8100 |
| 32×1"M | 33 | 1" | 41 | 16.8 | 5 | 50 | 4500 |
| 40×1 1/4"M | 41.5 | 1 1/4" | 51.5 | 22 | 2 | 36 | 3240 |
| 50×1 1/2"M | 51 | 1 1/2" | 56 | 22 | 1 | 18 | 1620 |
| 63×2"M | 64 | 2" | 66.5 | 26.5 | 1 | 22 | 990 |

## HS130-004
Equal Elbow/ 等径弯头 C × C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20×20 | 20.7 | 28 | 28 | 10 | 70 | 6300 |
| 25×25 | 25.8 | 34 | 34 | 10 | 40 | 3600 |
| 32×32 | 33 | 39 | 39 | 5 | 25 | 2250 |
| 40×40 | 41.5 | 49 | 49 | 2 | 14 | 1260 |
| 50×50 | 51 | 57 | 57 | 1 | 9 | 810 |
| 63×63 | 64 | 69 | 69 | 1 | 10 | 450 |

## HS130-005
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | Rp | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"F | 20.7 | 1/2" | 28 | 29 | 17.5 | 10 | 90 | 8100 |
| 25×3/4"F | 25.8 | 3/4" | 34 | 36.5 | 19 | 10 | 50 | 4500 |
| 32×1"F | 33 | 1" | 39 | 42 | 22 | 5 | 35 | 3150 |
| 40×1 1/4"F | 41.5 | 1 1/4" | 49 | 48 | 25 | 2 | 24 | 2160 |
| 50×1 1/2"F | 51 | 1 1/2" | 57 | 51.5 | 25 | 1 | 13 | 1170 |
| 63×2"F | 64 | 2" | 69 | 60.5 | 29 | 1 | 14 | 630 |

## HS130-006
Male Elbow/ 外螺纹弯头 C × MI

| SIZE | D | R | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"M | 20.7 | 1/2" | 28 | 29 | 13.2 | 10 | 90 | 8100 |
| 25×3/4"M | 25.8 | 3/4" | 34 | 32.5 | 14.5 | 10 | 60 | 5400 |
| 32×1"M | 33 | 1" | 39 | 38 | 16.8 | 5 | 40 | 3600 |
| 40×1 1/4"M | 41.5 | 1 1/4" | 49 | 48.5 | 22 | 2 | 22 | 1980 |
| 50×1 1/2"M | 51 | 1 1/2" | 57 | 53 | 22 | 1 | 13 | 1170 |
| 63×2"M | 64 | 2" | 69 | 67 | 26.5 | 1 | 15 | 675 |





## HS130-007
Wallplate Elbow/ 内螺纹墙体阀 C × FI

| SIZE | D | Rp | L | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 20×1/2"F | 20.7 | 1/2" | 28 | 52.5 | 29 | 17.5 | 10 | 60 | 5400 |
| 25×3/4"F | 25.8 | 3/4" | 34 | 64.5 | 36.5 | 19 | 10 | 40 | 3600 |
| 32×1"F | 33 | 1" | 39 | 73 | 42 | 22 | 5 | 25 | 2250 |

## HS130-008
Equal Tee/ 等径三通 C × C × C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20×20×20 | 20.7 | 50 | 29 | 10 | 40 | 3600 |
| 25×25×25 | 25.8 | 58 | 34 | 10 | 30 | 2700 |
| 32×32×32 | 33 | 75 | 40 | 5 | 15 | 1350 |
| 40×40×40 | 41.5 | 92 | 50.5 | 2 | 10 | 900 |
| 50×50×50 | 51 | 109 | 61 | 1 | 6 | 540 |
| 63×63×63 | 64 | 132 | 72 | 1 | 7 | 315 |

## HS130-009
Female Tee/ 内螺纹三通 C × C × FI

| SIZE | D | Rp | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"F | 20.7 | 1/2" | 50 | 29 | 17.5 | 10 | 60 | 5400 |
| 25×3/4"F | 25.8 | 3/4" | 59 | 35 | 19 | 10 | 30 | 2700 |
| 32×1"F | 33 | 1" | 75 | 42 | 22 | 5 | 20 | 1800 |
| 40×1 1/4"F | 41.5 | 1 1/4" | 92 | 48 | 25 | 2 | 10 | 900 |
| 50×1 1/2"F | 51 | 1 1/2" | 109 | 56 | 25 | 1 | 7 | 630 |
| 63×2"F | 64 | 2" | 132 | 66 | 29 | 1 | 9 | 405 |

**HS130-010**
Male Tee/ 外螺纹三通 C × C × MI

| SIZE | D | R | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"M | 20.7 | 1/2" | 48 | 29 | 13.2 | 10 | 60 | 5400 |
| 25×3/4"M | 25.8 | 3/4" | 55.5 | 32.5 | 14.5 | 10 | 30 | 2700 |
| 32×1"M | 33 | 1" | 75 | 40.5 | 16.8 | 5 | 20 | 1800 |
| 40×1 1/4"M | 41.5 | 1 1/4" | 92 | 50 | 22 | 2 | 10 | 900 |
| 50×1 1/2"M | 51 | 1 1/2" | 109 | 55 | 22 | 1 | 7 | 630 |
| 63×2"M | 64 | 2" | 132 | 67 | 26.5 | 1 | 9 | 405 |

**HS130-011**
Equal Straight/ 补漏直通

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 20 × 20 | 20.7 | 95 | 10 | 40 | 3600 |
| 25 × 25 | 25.8 | 95 | 10 | 30 | 2700 |
| 32 × 32 | 33 | 97.5 | 1 | 18 | 1620 |
| 40 × 40 | 41.5 | 109 | 1 | 10 | 900 |
| 50 × 50 | 51 | 116 | 1 | 5 | 450 |
| 63 × 63 | 64 | 124 | 1 | 3 | 135 |

**HS130-012**
Internal Pressure Cone/ 管撑

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 20 | 15.4 | 22 | 10 | 250 | 22500 |
| 25 | 20.4 | 25.5 | 10 | 150 | 13500 |
| 32 | 25.8 | 31.5 | 10 | 100 | 9000 |
| 40 | 32.6 | 39 | 10 | 50 | 4500 |
| 50 | 40.3 | 45 | 10 | 40 | 3600 |
| 63 | 50.7 | 53 | 1 | 36 | 3240 |





# HS140 SERIES

## Technical Points:

1.Body:Brass by hot forging
2.O-ring:NBR
3.Washer:Brass
4.Lock ring:Brass
5.Nut:Brass by hot forging
6.Working pressure:1.6MPa
7.Working temperature:-10℃≤ t ≤ 80℃

## 技术要点：

1. 本体：黄铜锻造
2.O 型圈：NBR
3. 平垫圈：黄铜
4. 开口卡圈：黄铜
5. 螺帽：黄铜锻造
6. 工作压力：1.6MPa
7. 工作温度：-10℃≤ t ≤ 80℃

## Assembling Instructions

1.Cut the pipe perpendicular to its using appropriate tools,remove any trimming carefully
2.Fit the nut on the pipe
3.Fit the lock ring on the pipe
4.Fit the brass washer on the pipe
5.Fit the o-ring on the pipe
6.Fit the pipe on the body up to the mechanical stop
7.Tighten the nut by hand till it is possible then using the tool tighten the nut

## 组装说明：

1. 用合适的工具割断 PE 管，去除所有毛刺。
2. 将螺帽套在 PE 管上。
3. 开口卡圈套在 PE 管上。
4. 将平垫圈套在 PE 管上。
5. 将 O 型圈套在 PE 管上。
6. 将 PE 管插入本体。
7. 用手拧紧螺帽，直到手拧不动为止，再用工具拧紧螺帽。

## HS140-001
Equal Straight/ 等径直通 C × C

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 20×20 | 20.7 | 28 | 10 | 80 | 7200 |
| 25×25 | 25.8 | 30 | 10 | 50 | 4500 |
| 32×32 | 33 | 38.5 | 5 | 30 | 2700 |
| 40×40 | 41.5 | 46.5 | 2 | 20 | 1800 |
| 50×50 | 51 | 58 | 1 | 13 | 1170 |
| 63×63 | 64 | 68 | 1 | 14 | 630 |

## HS140-002
Female Straight/ 内螺纹直通 C × FI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 20×1/2"F | 20.7 | 1/2" | 26 | 13 | 10 | 120 | 10800 |
| 25×3/4"F | 25.8 | 3/4" | 29 | 14 | 10 | 70 | 6300 |
| 32×1"F | 33 | 1" | 35 | 15 | 5 | 45 | 4050 |
| 40×1 1/4"F | 41.5 | 1 1/4" | 40 | 16 | 2 | 30 | 2700 |
| 50×1 1/2"F | 51 | 1 1/2" | 46 | 17 | 1 | 20 | 1800 |
| 63×2"F | 64 | 2" | 55.5 | 20 | 1 | 25 | 1125 |

## HS140-003
Male Straight/ 外螺纹直通 C × MI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 20×1/2"M | 20.7 | 1/2" | 25 | 11 | 10 | 140 | 12600 |
| 25×3/4"M | 25.8 | 3/4" | 28 | 12 | 10 | 90 | 8100 |
| 32×1"M | 33 | 1" | 34.5 | 14 | 5 | 50 | 4500 |
| 40×1 1/4"M | 41.5 | 1 1/4" | 40 | 15 | 2 | 36 | 3240 |
| 50×1 1/2"M | 51 | 1 1/2" | 47 | 16 | 1 | 18 | 1620 |
| 63×2"M | 64 | 2" | 55.5 | 18.5 | 1 | 22 | 990 |





## HS140-004
Equal Elbow/ 等径弯头 C × C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20×20 | 20.7 | 25 | 25 | 10 | 70 | 6300 |
| 25×25 | 25.8 | 30 | 30 | 10 | 40 | 3600 |
| 32×32 | 33 | 38 | 38 | 5 | 25 | 2250 |
| 40×40 | 41.5 | 45 | 45 | 2 | 14 | 1260 |
| 50×50 | 51 | 54.5 | 54.5 | 1 | 9 | 810 |
| 63×63 | 64 | 67 | 67 | 1 | 10 | 450 |

## HS140-005
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"F | 20.7 | 1/2" | 24 | 22.5 | 13 | 10 | 90 | 8100 |
| 25×3/4"F | 25.8 | 3/4" | 29 | 26 | 14 | 10 | 50 | 4500 |
| 32×1"F | 33 | 1" | 35 | 33.5 | 15 | 5 | 35 | 3150 |
| 40×1 1/4"F | 41.5 | 1 1/4" | 43 | 38.5 | 16 | 2 | 24 | 2160 |
| 50×1 1/2"F | 51 | 1 1/2" | 49 | 44.5 | 17 | 1 | 13 | 1170 |
| 63×2"F | 64 | 2" | 62 | 55 | 20 | 1 | 14 | 630 |

## HS140-006
Male Elbow/ 外螺纹弯头 C × MI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"M | 20.7 | 1/2" | 23.5 | 25.5 | 11 | 10 | 90 | 8100 |
| 25×3/4"M | 25.8 | 3/4" | 27 | 30 | 12 | 10 | 60 | 5400 |
| 32×1"M | 33 | 1" | 34 | 36 | 14 | 5 | 40 | 3600 |
| 40×1 1/4"M | 41.5 | 1 1/4" | 42 | 41 | 15 | 2 | 22 | 1980 |
| 50×1 1/2"M | 51 | 1 1/2" | 48 | 47.5 | 16 | 1 | 13 | 1170 |
| 63×2"M | 64 | 2" | 61 | 57.5 | 18.5 | 1 | 15 | 675 |

**HS140-007**
Equal Tee/ 等径三通 C×C×C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20×20×20 | 20.7 | 48 | 27 | 10 | 40 | 3600 |
| 25×25×25 | 25.8 | 56 | 31 | 10 | 30 | 2700 |
| 32×32×32 | 33 | 70 | 38.5 | 5 | 15 | 1350 |
| 40×40×40 | 41.5 | 84 | 46 | 2 | 10 | 900 |
| 50×50×50 | 51 | 99 | 56 | 1 | 6 | 540 |
| 63×63×63 | 64 | 124 | 69 | 1 | 7 | 315 |

**HS140-008**
Female Tee/ 内螺纹三通 C×C×FI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"F | 20.7 | 1/2" | 48 | 22.5 | 13 | 10 | 60 | 5400 |
| 25×3/4"F | 25.8 | 3/4" | 58 | 26 | 14 | 10 | 30 | 2700 |
| 32×1"F | 33 | 1" | 70 | 33.5 | 15 | 5 | 20 | 1800 |
| 40×1 1/4"F | 41.5 | 1 1/4" | 86 | 38.5 | 16 | 2 | 10 | 900 |
| 50×1 1/2"F | 51 | 1 1/2" | 98 | 44.5 | 17 | 1 | 7 | 630 |
| 63×2"F | 64 | 2" | 124 | 55 | 20 | 1 | 9 | 405 |

**HS140-009**
Wallplate Elbow/ 内螺纹墙体阀 C×FI

| SIZE | D | G | L | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 20×1/2"F | 20.7 | 1/2" | 24 | 41 | 22.5 | 13 | 10 | 80 | 7200 |
| 25×3/4"F | 25.8 | 3/4" | 29 | 48 | 26 | 14 | 10 | 50 | 4500 |
| 32×1"F | 33 | 1" | 35 | 61.5 | 33.5 | 15 | 5 | 30 | 2700 |





# HS150 SERIES

## Technical Points:

1.Body:Brass by hot forging
2.O-ring:NBR
3.Washer:Brass
4.Lock ring:Brass
5.Nut:Brass by hot forging
6.Working pressure:1.6MPa
7.Working temperature:-10℃≤ t ≤ 80℃

## 技术要点：

1. 本体：黄铜锻造
2.O 型圈：NBR
3. 平垫圈：黄铜
4. 开口卡圈：黄铜
5. 螺帽：黄铜锻造
6. 工作压力：1.6MPa
7. 工作温度：-10℃≤ t ≤ 80℃

## Assembling Instructions

1.Cut the pipe perpendicular to its using appropriate tools,remove any trimming carefully
2.Fit the nut on the pipe
3.Fit the lock ring on the pipe
4.Fit the brass washer on the pipe
5.Fit the o-ring on the pipe
6.Fit the pipe on the body up to the mechanical stop
7.Tighten the nut by hand till it is possible then using the tool tighten the nut

## 组装说明：

1. 用合适的工具割断 PE 管，去除所有毛刺。
2. 将螺帽套在 PE 管上。
3. 开口卡圈套在 PE 管上。
4. 将平垫圈套在 PE 管上。
5. 将 O 型圈套在 PE 管上。
6. 将 PE 管插入本体。
7. 用手拧紧螺帽，直到手拧不动为止，再用工具拧紧螺帽。

## HS150-001
Equal Straight/ 等径直通 C × C

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 20×20 | 21 | 43 | 10 | 80 | 7200 |
| 25×25 | 26 | 45.5 | 10 | 50 | 4500 |
| 32×32 | 33 | 51.5 | 5 | 35 | 3150 |
| 40×40 | 41 | 57.5 | 2 | 24 | 2160 |
| 50×50 | 51 | 62 | 1 | 16 | 1440 |
| 63×63 | 64.5 | 88 | 1 | 18 | 810 |

## HS150-002
Female Straight/ 内螺纹直通 C × FI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 20 × 1/2"F | 21 | 1/2" | 35 | 13 | 10 | 120 | 10800 |
| 20 × 3/4"F | 21 | 3/4" | 40 | 15 | 10 | 100 | 9000 |
| 25 × 1/2"F | 26 | 1/2" | 36 | 13 | 10 | 90 | 8100 |
| 25 × 3/4"F | 26 | 3/4" | 38.5 | 15 | 10 | 80 | 7200 |
| 25 × 1"F | 26 | 1" | 43.5 | 17 | 5 | 60 | 5400 |
| 32 × 3/4"F | 33 | 3/4" | 42 | 15 | 5 | 60 | 5400 |
| 32 × 1"F | 33 | 1" | 43.5 | 17 | 5 | 50 | 4500 |
| 40 × 1"F | 41 | 1" | 46.5 | 17 | 5 | 40 | 3600 |
| 40 × 1 1/4"F | 41 | 11/4" | 48.5 | 19 | 2 | 36 | 3240 |
| 50 × 1 1/4"F | 51 | 11/4" | 50 | 19 | 2 | 30 | 2700 |
| 50 × 1 1/2"F | 51 | 11/2" | 48 | 18 | 1 | 25 | 2250 |
| 63 × 1 1/2"F | 64.5 | 11/2" | 61 | 18 | 1 | 30 | 1350 |
| 63 × 2"F | 64.5 | 2" | 64 | 21 | 1 | 28 | 1260 |

## HS150-003
Male Straight/ 外螺纹直通 C × MI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 20 × 1/2"M | 21 | 1/2" | 34 | 11 | 10 | 130 | 11700 |
| 20 × 3/4"M | 21 | 3/4" | 35 | 12 | 10 | 110 | 9900 |
| 25 × 1/2"M | 26 | 1/2" | 35 | 11 | 10 | 100 | 9000 |
| 25 × 3/4"M | 26 | 3/4" | 36 | 12 | 10 | 90 | 8100 |
| 25 × 1"M | 26 | 1" | 38 | 14 | 5 | 60 | 5400 |
| 32 × 3/4"M | 33 | 3/4" | 39.5 | 12 | 5 | 60 | 5400 |
| 32 × 1"M | 33 | 1" | 41.5 | 14 | 5 | 50 | 4500 |
| 40 × 1"M | 41 | 1" | 44.5 | 14 | 5 | 40 | 3600 |
| 40 × 1 1/4"M | 41 | 11/4" | 46.5 | 16 | 2 | 36 | 3240 |
| 50 × 1 1/4"M | 51 | 11/4" | 49 | 16 | 2 | 30 | 2700 |
| 50 × 1 1/2"M | 51 | 11/2" | 50 | 17 | 1 | 26 | 2340 |
| 63 × 1 1/2'M | 64.5 | 11/2" | 63 | 17 | 1 | 30 | 1350 |
| 63 × 2'M | 64.5 | 2" | 64.5 | 18.5 | 1 | 30 | 1350 |





## HS150-004
Equal Elbow/ 等径弯头 C × C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20×20 | 21 | 37 | 37 | 10 | 60 | 5400 |
| 25×25 | 26 | 38 | 38 | 10 | 40 | 3600 |
| 32×32 | 33 | 44 | 44 | 5 | 25 | 2250 |
| 40×40 | 41 | 53 | 53 | 2 | 18 | 1620 |
| 50×50 | 51 | 59 | 59 | 1 | 11 | 990 |
| 63×63 | 64.5 | 74 | 74 | 1 | 12 | 540 |

## HS150-005
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"F | 21 | 1/2" | 34 | 23 | 13 | 10 | 100 | 9000 |
| 25×1/2"F | 26 | 1/2" | 35 | 23 | 13 | 10 | 80 | 7200 |
| 25×3/4"F | 26 | 3/4" | 37.5 | 27.5 | 15 | 10 | 70 | 6300 |
| 32×1"F | 33 | 1" | 44 | 31.5 | 17 | 5 | 40 | 3600 |
| 40×1 1/4"F | 41 | 1 1/4" | 52 | 39 | 19 | 2 | 24 | 2160 |
| 50×1 1/2"F | 51 | 1 1/2" | 57.5 | 41.5 | 19 | 1 | 18 | 1620 |
| 63×2"F | 64.5 | 2" | 74 | 49 | 22 | 1 | 20 | 900 |

## HS150-006
Male Elbow/ 外螺纹弯头 C × MI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20 × 1/2"M | 21 | 1/2" | 37 | 31 | 11 | 10 | 90 | 8100 |
| 25 × 3/4"M | 26 | 3/4" | 38 | 35 | 12 | 10 | 60 | 5400 |
| 32 × 3/4"M | 33 | 3/4" | 40.5 | 38 | 12 | 10 | 40 | 3600 |
| 32 × 1"M | 33 | 1" | 44 | 41 | 14 | 5 | 35 | 3150 |
| 40 × 1"M | 41 | 1" | 47 | 46 | 14 | 5 | 30 | 2700 |
| 40 × 1 1/4"M | 41 | 11/4" | 55 | 48 | 16 | 2 | 22 | 1980 |
| 50 × 1 1/2"M | 51 | 11/2" | 60 | 53 | 17 | 1 | 16 | 1440 |
| 63 × 2"M | 64.5 | 2" | 75 | 60.5 | 18.5 | 1 | 17 | 765 |

## HS150-007
Wallplate Elbow/ 内螺纹墙体阀 C × FI

| SIZE | D | G | L | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 20×1/2"F | 21 | 1/2" | 34 | 43 | 23 | 13 | 10 | 60 | 5400 |
| 25×1/2"F | 26 | 1/2" | 35 | 48 | 23 | 13 | 10 | 50 | 4500 |
| 25×3/4"F | 26 | 3/4" | 37.5 | 52.5 | 27.5 | 15 | 10 | 40 | 3600 |
| 32×1"F | 33 | 1" | 44 | 61.5 | 31.5 | 17 | 5 | 25 | 2250 |

## HS150-008
Equal Tee/ 等径三通 C × C × C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20×20×20 | 21 | 64 | 35 | 10 | 40 | 3600 |
| 25×25×25 | 26 | 70 | 36.5 | 10 | 30 | 2700 |
| 32×32×32 | 33 | 83 | 43 | 5 | 15 | 1350 |
| 40×40×40 | 41 | 96 | 50 | 2 | 12 | 1080 |
| 50×50×50 | 51 | 112 | 57.5 | 1 | 6 | 540 |
| 63×63×63 | 64.5 | 138 | 76 | 1 | 8 | 360 |

## HS150-009
Female Tee/ 内螺纹三通 C × C × FI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"F | 21 | 1/2" | 63.5 | 33 | 13 | 10 | 50 | 4500 |
| 25×1/2"F | 26 | 1/2" | 65 | 35 | 13 | 10 | 40 | 3600 |
| 25×3/4"F | 26 | 3/4" | 68 | 37.5 | 15 | 10 | 30 | 2700 |
| 32×1"F | 33 | 1" | 81 | 43 | 17 | 5 | 20 | 1800 |
| 40×1 1/4"F | 41 | 1 1/4" | 96 | 50 | 19 | 2 | 14 | 1260 |
| 50×1 1/2"F | 51 | 1 1/2" | 112 | 57 | 19 | 1 | 6 | 540 |
| 63×2"F | 64.5 | 2" | 136 | 67 | 22 | 1 | 10 | 450 |





## HS150-010
Male Tee/ 外螺纹三通 C × C × MI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×1/2"M | 21 | 1/2" | 60 | 30 | 11 | 10 | 50 | 4500 |
| 25×3/4"M | 26 | 3/4" | 67 | 34 | 12 | 10 | 30 | 2700 |
| 32×1"M | 33 | 1" | 80 | 40 | 14 | 5 | 20 | 1800 |
| 40×1 1/4"M | 41 | 1 1/4" | 95 | 49 | 16.5 | 2 | 14 | 1260 |
| 50×1 1/2"M | 51 | 1 1/2" | 108 | 54.5 | 17 | 1 | 6 | 540 |
| 63×2'M | 64.5 | 2" | 136 | 64.5 | 18.5 | 1 | 10 | 450 |

## HS150-011
Straight Tap Connector/ 滑动直通 C × FI

| SIZE | D | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20×1/2"F | 21 | 1/2" | 43.5 | 10 | 100 | 9000 |
| 20×3/4"F | 21 | 3/4" | 44.5 | 10 | 90 | 8100 |
| 25×3/4"F | 26 | 3/4" | 46 | 10 | 60 | 5400 |
| 25×1"F | 26 | 1" | 49 | 5 | 50 | 4500 |
| 32×1"F | 33 | 1" | 52.5 | 5 | 45 | 4050 |

## HS150-012
Equal Straight/ 补漏直通

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 20×20 | 21 | 95 | 10 | 40 | 3600 |
| 25×25 | 26 | 100 | 10 | 30 | 2700 |
| 32×32 | 33 | 105 | 4 | 28 | 2520 |
| 40×40 | 41 | 111 | 2 | 16 | 1440 |
| 50×50 | 51 | 113 | 1 | 9 | 810 |
| 63×63 | 64.5 | 134 | 1 | 12 | 540 |

## HS150-013
Transition To The Threaded Nipple/ 外螺纹转接头

| SIZE | G | M | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 25×3/4"M | 3/4" | 33×1.5 | 36 | 14.5 | 10 | 100 | 9000 |
| 32×1"M | 1" | 42×1.5 | 40.5 | 16.8 | 5 | 65 | 5850 |
| 32×1 1/4"M | 1 1/4" | 42×1.5 | 42.7 | 19 | 5 | 40 | 3600 |
| 40×1 1/4"M | 1 1/4" | 52×1.5 | 43.5 | 19 | 2 | 38 | 3420 |
| 40×1 1/2"M | 1 1/2" | 52×1.5 | 43.5 | 19 | 1 | 35 | 3150 |
| 50×1 1/2"M | 1 1/2" | 64×1.5 | 45.5 | 19 | 1 | 32 | 2880 |
| 50×2"M | 2" | 64×1.5 | 47.5 | 21 | 1 | 40 | 1800 |
| 63×2"M | 2" | 80×1.5 | 50 | 21 | 1 | 40 | 1800 |

## HS150-014
Reduction Effort/ 缩径转接头

| SIZE | G | M | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 32×25 | 26 | 42X1.5 | 24 | 5 | 65 | 5850 |
| 40×32 | 33 | 52X1.5 | 27.5 | 2 | 42 | 3780 |
| 50×32 | 33 | 64X1.5 | 27.5 | 1 | 26 | 2340 |
| 50×40 | 41 | 64X1.5 | 30.5 | 1 | 26 | 2340 |
| 63×40 | 41 | 80X1.5 | 30.5 | 1 | 38 | 1710 |
| 63×50 | 51 | 80X1.5 | 32.5 | 1 | 38 | 1710 |

## HS150-015
Reducing Tee/ 异径三通 C×C×C

| SIZE | D | D1 | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 32×25×32 | 33 | 26 | 76 | 40 | 5 | 15 | 1350 |
| 40×32×40 | 41 | 33 | 120 | 47 | 2 | 10 | 900 |
| 50×32×50 | 51 | 33 | 130 | 52.5 | 1 | 6 | 540 |
| 50×40×50 | 51 | 41 | 130 | 55.5 | 1 | 6 | 540 |
| 63×32×63 | 64.5 | 33 | 140 | 61 | 1 | 10 | 450 |
| 63×40×63 | 64.5 | 41 | 140 | 64 | 1 | 8 | 360 |





# HS160 SERIES

**Technical Points:**
1.Body:Brass by hot forging
2.O-ring:NBR
3.Washer: A3
4.Lock ring:Brass
5.Nut:Brass by hot forging
6.Gasket:Staninless steel
7.Bolt:Stainless steel
8.Working pressure:1.6MPa
9.Working temperature:-10℃≤ t ≤ 80℃

**技术要点:**
1. 本体：黄铜锻造
2.O 型圈：NBR
3. 平垫圈：A3
4. 开口卡圈：黄铜
5. 螺帽：黄铜锻造
6. 弹簧垫片：不锈钢
7. 螺栓：不锈钢
8. 工作压力：1.6MPa
9. 工作温度：-10℃≤ t ≤ 80℃

## HS160-001
Equal Straight/ 等径直通 C × C

| SIZE | D | L | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|
| 75 × 75 | 76 | 81 | 4 | 192 |
| 90 × 90 | 91 | 90 | 4 | 192 |
| 110 × 110 | 111 | 110 | 2 | 96 |

## HS160-002
Female Straight/ 内螺纹直通 C × FI

| SIZE | G | D | L | L1 | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 75 × 2 1/2"F | 2 1/2" | 76 | 66 | 24 | 6 | 288 |
| 90 × 3"F | 3" | 91 | 72 | 25 | 5 | 240 |
| 110 × 4"F | 4" | 111 | 85.5 | 28 | 3 | 144 |

## HS160-003
Male Straight/ 外螺纹直通 C × MI

| SIZE | R | D | L | L1 | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 75 × 2 1/2"M | 2 1/2" | 76 | 67 | 24 | 6 | 288 |
| 90 × 3"M | 3" | 91 | 72.5 | 25 | 5 | 240 |
| 110 × 4"M | 4" | 111 | 85.5 | 28 | 3 | 144 |





## HS160-004
Equal Elbow/ 等径弯头 C × C

| SIZE | D | L | H | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 75×75 | 76 | 84 | 84 | 3 | 144 |
| 90×90 | 91 | 98.5 | 98.5 | 1 | 48 |
| 110×110 | 111 | 120 | 120 | 1 | 48 |

## HS160-005
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | G | L | H | H1 | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 75×2 1/2"F | 76 | 2 1/2" | 74 | 69 | 24 | 4 | 192 |
| 90×3"F | 91 | 3" | 85.5 | 78 | 25 | 2 | 96 |
| 110×4"F | 111 | 4" | 102 | 94 | 28 | 1 | 48 |

## HS160-006
Male Elbow/ 外螺纹弯头 C × MI

| SIZE | D | R | L | H | H1 | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 75×2 1/2"M | 76 | 2 1/2" | 74 | 88 | 24 | 4 | 192 |
| 90×3"M | 91 | 3" | 85.5 | 98 | 25 | 2 | 96 |
| 110×4"M | 111 | 4" | 102 | 112 | 29 | 1 | 48 |

**HS160-007**
Equal Tee/ 等径三通 C×C×C

| SIZE | D | L | H | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 75×75×75 | 76 | 168 | 84 | 2 | 96 |
| 90×90×90 | 91 | 197 | 98.5 | 1 | 48 |
| 110×110×110 | 111 | 240 | 120 | 1 | 48 |

**HS160-008**
Female Tee/ 内螺纹三通 C×C×FI

| SIZE | D | G | L | H | H1 | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 75×2 1/2"F | 76 | 2 1/2" | 148 | 69 | 24 | 2 | 96 |
| 90×3"F | 91 | 3" | 171 | 78 | 25 | 1 | 48 |
| 110×4"F | 111 | 4" | 204 | 94 | 28 | 1 | 48 |





# HS170 SERIES

## Technical Points:

1.Body:Brass by hot forging
2.O-ring:NBR
3.Washer:Brass
4.Lock ring:Brass
5.Nut:Brass by hot forging
6.Working pressure:1.6MPa
7.Working temperature:-10℃≤ t ≤ 80℃

## 技术要点：

1. 本体：黄铜锻造
2.O 型圈：NBR
3. 平垫圈：黄铜
4. 开口卡圈：黄铜
5. 螺帽：黄铜锻造
6. 工作压力：1.6MPa
7. 工作温度：-10℃≤ t ≤ 80℃

## Assembling Instructions

1.Cut the pipe perpendicular to its using appropriate tools,remove any trimming carefully
2.Fit the nut on the pipe
3.Fit the lock ring on the pipe
4.Fit the brass washer on the pipe
5.Fit the o-ring on the pipe
6.Fit the pipe on the body up to the mechanical stop
7.Tighten the nut by hand till it is possible then using the tool tighten the nut

## 组装说明：

1. 用合适的工具割断钢管，去除所有毛刺。
2. 将螺帽套在钢管上。
3. 开口卡圈套在钢管上。
4. 将平垫圈套在钢管上。
5. 将 O 型圈套在钢管上。
6. 将钢管插入本体。
7. 用手拧紧螺帽，直到手拧不动为止，再用工具拧紧螺帽。

## HS170-001
Equal Straight/ 等径直通 C × C

| SIZE | D | D1 | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 21×21 | 22 | 22 | 47 | 10 | 70 | 6300 |
| 27×27 | 27.5 | 27.5 | 49.5 | 10 | 50 | 4500 |
| 34×34 | 34.5 | 34.5 | 56.5 | 5 | 30 | 2700 |
| 43×43 | 43.1 | 43.1 | 62.5 | 2 | 22 | 1980 |
| 49×49 | 49 | 49 | 66 | 1 | 15 | 1350 |
| 61×61 | 61 | 61 | 93 | 1 | 18 | 810 |

## HS170-002
Reducing Straight/ 异径直通 C × C

| SIZE | D | D1 | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20×21 | 21 | 22 | 45 | 10 | 70 | 6300 |
| 25×27 | 26 | 27.5 | 47.5 | 10 | 50 | 4500 |
| 32×34 | 33 | 34.5 | 54 | 5 | 30 | 2700 |
| 40×43 | 41 | 43.1 | 60 | 2 | 22 | 1980 |
| 50×49 | 51 | 49 | 64 | 1 | 15 | 1350 |
| 63×61 | 64.5 | 61 | 90.5 | 1 | 18 | 810 |

## HS170-003
Female Straight/ 内螺纹直通 C × FI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 21×1/2"F | 22 | 1/2" | 37 | 13 | 10 | 100 | 9000 |
| 27×3/4"F | 27.5 | 3/4" | 40.5 | 15 | 10 | 80 | 7200 |
| 34×1"F | 34.5 | 1" | 46 | 17 | 5 | 50 | 4500 |
| 43×1 1/4"F | 43.1 | 1 1/4" | 51 | 19 | 2 | 36 | 3240 |
| 49×1 1/2"F | 49 | 1 1/2" | 50 | 18 | 1 | 20 | 1800 |
| 61×2"F | 61 | 2" | 66.5 | 21 | 1 | 28 | 1260 |





## HS170-004
Male Straight/ 外螺纹直通 C × MI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 21×1/2"M | 22 | 1/2" | 36 | 11 | 10 | 120 | 10800 |
| 27×3/4"M | 27.5 | 3/4" | 38 | 12 | 10 | 80 | 7200 |
| 34×1"M | 34.5 | 1" | 44 | 14 | 5 | 55 | 4950 |
| 43×1 1/4"M | 43.1 | 1 1/4" | 49 | 16 | 2 | 36 | 3240 |
| 49×1 1/2"M | 49 | 1 1/2" | 52 | 17 | 1 | 24 | 2160 |
| 61×2"M | 61 | 2" | 67 | 18.5 | 1 | 30 | 1350 |

## HS180-001
Equal Straight/ 等径直通 C × C

| SIZE | D | D1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 32×32 | 31.3 | 29.3 | 54.5 | 26 | 5 | 75 | 6750 |

## HS180-002
Male Straight/ 外螺纹直通 C × MI

| SIZE | D | D1 | G | L | L1 |
|---|---|---|---|---|---|
| 32×1"M | 31.3 | 29.3 | 1" | 54 | 26 |

| L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|
| 16 | 5 | 75 | 6750 |

## HS180-003
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | D1 | G | L | L1 |
|---|---|---|---|---|---|
| 32×3/4"F | 31.3 | 29.3 | 3/4" | 36 | 26 |
| 32×1"F | 31.3 | 29.3 | 1" | 36.5 | 26 |

| H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|
| 33.5 | 15 | 5 | 65 | 5850 |
| 36.5 | 18 | 5 | 60 | 5400 |

## HS180-004
Equal Tee/ 等径三通 C × C × C

| SIZE | D | D1 | L | L1 | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 32×32×32 | 31.3 | 29.3 | 83 | 26 | 44.5 | 5 | 30 | 2700 |





## HS180-005
Female Tee/ 内螺纹三通 C × C × FI

| SIZE | D | D1 | G | L | L1 |
|---|---|---|---|---|---|
| 32×3/4"F×32 | 31.3 | 29.3 | 3/4" | 72 | 26 |
| 32×1"F×32 | 31.3 | 29.3 | 1" | 73 | 26 |

| H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|
| 36.5 | 18 | 5 | 30 | 2700 |
| 36.5 | 18 | 5 | 30 | 2700 |

## HS180-006
Male Tee/ 外螺纹三通 C × C × MI

| SIZE | D | D1 | G | L | L1 |
|---|---|---|---|---|---|
| 32×1"M×32 | 31.3 | 29.3 | 1" | 73 | 26 |

| H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|
| 39.5 | 16 | 5 | 40 | 3600 |

**HS190**

Brass Threaded Fittings

螺纹式管件（本色）

**HS200**

Brass Threaded Fittings(Polishing And Chrome-plated)

螺纹式管件（抛光镀铬）

HONSON®

# HS190 SERIES

**Technical Points:**

1.Body in brass by hot forging.

2.Manufactured according to EN1254–4.

3.Fastening threads according to ISO 228/1.

**技术要点：**

1. 本体黄铜锻造

2. 生产标准：EN1254–4

3. 外配螺纹标准：ISO228/1





## HS190-001
Equal Straight/ 内螺纹等径直通

| SIZE | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 1/4" | 1/4" | 22 | 10 | 500 | 45000 |
| 3/8" | 3/8" | 25 | 10 | 400 | 36000 |
| 1/2" | 1/2" | 30 | 10 | 230 | 20700 |
| 3/4" | 3/4" | 34 | 10 | 140 | 12600 |
| 1" | 1" | 36 | 10 | 100 | 9000 |
| 1 1/4" | 1 1/4" | 43 | 5 | 55 | 4950 |
| 1 1/2" | 1 1/2" | 53 | 5 | 35 | 3150 |
| 2" | 2" | 65 | 1 | 45 | 2025 |
| 2 1/2" | 2 1/2" | 68 | 1 | 30 | 1350 |
| 3" | 3" | 70 | 1 | 21 | 945 |
| 4" | 4" | 80 | 1 | 12 | 540 |

## HS190-002
Reducing Straight/ 内螺纹异径直通

| SIZE | G | G1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 1/2"×3/8" | 1/2" | 3/8" | 21.5 | 13 | 10 | 360 | 32400 |
| 3/4"×1/2" | 3/4" | 1/2" | 26 | 14.5 | 10 | 210 | 18900 |
| 1"×1/2" | 1" | 1/2" | 28 | 16 | 5 | 160 | 14400 |
| 1"×3/4" | 1" | 3/4" | 29 | 16 | 5 | 150 | 13500 |
| 1 1/4"×1/2" | 1 1/4" | 1/2" | 30.5 | 18.5 | 5 | 110 | 9900 |
| 1 1/4"×3/4" | 1 1/4" | 3/4" | 31.5 | 18.5 | 5 | 100 | 9000 |
| 1 1/4"×1" | 1 1/4" | 1" | 33 | 18.5 | 5 | 90 | 8100 |
| 1 1/2"×1" | 1 1/2" | 1" | 33 | 19.5 | 5 | 70 | 6300 |
| 1 1/2"×1 1/4" | 1 1/2" | 1 1/4" | 35 | 19.5 | 5 | 60 | 5400 |
| 2"×1" | 2" | 1" | 37 | 23 | 1 | 76 | 3420 |
| 2"×1 1/4" | 2" | 1 1/4" | 39 | 23 | 1 | 76 | 3420 |
| 2"×1 1/2" | 2" | 1 1/2" | 40 | 23 | 1 | 76 | 3420 |

## HS190-003
Equal Nipple/ 外螺纹等径直通

| SIZE | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/8" | 1/8" | 19.5 | 8 | 25 | 1200 | 108000 |
| 1/4" | 1/4" | 21 | 8.5 | 10 | 1000 | 90000 |
| 3/8" | 3/8" | 22.5 | 9 | 10 | 700 | 63000 |
| 1/2" | 1/2" | 25.5 | 10.5 | 10 | 400 | 36000 |
| 3/4" | 3/4" | 29 | 12 | 10 | 240 | 21600 |
| 1" | 1" | 31.5 | 13 | 5 | 120 | 10800 |
| 1 1/4" | 1 1/4" | 35.5 | 15 | 5 | 75 | 6750 |
| 1 1/2" | 1 1/2" | 39 | 16.5 | 5 | 60 | 5400 |
| 2" | 2" | 45 | 19 | 1 | 96 | 4320 |
| 2 1/2" | 2 1/2" | 58 | 25 | 1 | 45 | 2025 |
| 3" | 3" | 63 | 27 | 1 | 32 | 1440 |
| 4" | 4" | 81 | 35 | 1 | 12 | 540 |

## HS190-004
Reducing Nipple/ 外螺纹异径直通

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8" × 1/4" | 3/8" | 1/4" | 21 | 7.5 | 9 | 10 | 800 | 72000 |
| 1/2" × 1/4" | 1/2" | 1/4" | 23 | 7.5 | 11 | 10 | 550 | 49500 |
| 1/2" × 3/8" | 1/2" | 3/8" | 24.5 | 9 | 11 | 10 | 500 | 45000 |
| 3/4" × 3/8" | 3/4" | 3/8" | 26.5 | 9 | 12.5 | 10 | 280 | 25200 |
| 3/4" × 1/2" | 3/4" | 1/2" | 29 | 11.5 | 12.5 | 10 | 270 | 24300 |
| 1" × 1/2" | 1" | 1/2" | 30 | 11.5 | 14 | 5 | 160 | 14400 |
| 1" × 3/4" | 1" | 3/4" | 31 | 12 | 14 | 5 | 150 | 13500 |
| 1 1/4" × 1/2" | 1 1/4" | 1/2" | 33 | 11.5 | 16 | 5 | 105 | 9450 |
| 1 1/4" × 3/4" | 1 1/4" | 3/4" | 34.5 | 13 | 16 | 5 | 100 | 9000 |
| 1 1/4" × 1" | 1 1/4" | 1" | 35 | 13.5 | 16 | 5 | 95 | 8550 |
| 1 1/2" × 1/2" | 1 1/2" | 1/2" | 33.5 | 11.5 | 16.5 | 5 | 80 | 7200 |
| 1 1/2" × 3/4" | 1 1/2" | 3/4" | 35 | 13 | 16.5 | 5 | 80 | 7200 |
| 1 1/2" × 1" | 1 1/2" | 1" | 35 | 13 | 16.5 | 5 | 80 | 7200 |
| 1 1/2" × 1 1/4" | 1 1/2" | 1 1/4" | 38 | 16 | 16.5 | 5 | 70 | 6300 |
| 2" × 3/4" | 2" | 3/4" | 39 | 13 | 20 | 1 | 120 | 5400 |
| 2" × 1" | 2" | 1" | 40 | 14 | 20 | 1 | 120 | 5400 |
| 2" × 1 1/4" | 2" | 1 1/4" | 42 | 16 | 20 | 1 | 120 | 5400 |
| 2" × 1 1/2" | 2" | 1 1/2" | 42.5 | 16.5 | 20 | 1 | 96 | 4320 |
| 2 1/2" × 2" | 2.1/2" | 2" | 54 | 20 | 25 | 1 | 48 | 2160 |
| 3" × 2" | 3" | 2" | 57 | 20 | 27 | 1 | 30 | 1350 |
| 3" × 2 1/2" | 3" | 2 1/2" | 62 | 27 | 25 | 1 | 30 | 1350 |

## HS190-005
Equal Straight(MF) / 内外螺纹等径直通

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/4" | 1/4" | 1/4" | 18.5 | 8 | 9 | 10 | 1000 | 90000 |
| 3/8" | 3/8" | 3/8" | 18 | 8.5 | 9 | 10 | 700 | 63000 |
| 1/2" | 1/2" | 1/2" | 22.5 | 10.5 | 11 | 10 | 380 | 34200 |
| 3/4" | 3/4" | 3/4" | 26.5 | 12 | 12.5 | 10 | 220 | 19800 |
| 1" | 1" | 1" | 30.5 | 13 | 15 | 5 | 110 | 9900 |
| 1 1/4" | 1 1/4" | 1 1/4" | 33 | 15 | 16 | 5 | 80 | 7200 |
| 1 1/2" | 1 1/2" | 1 1/2" | 35 | 15.5 | 17 | 5 | 50 | 4500 |
| 2" | 2" | 2" | 42.5 | 19.5 | 20 | 1 | 70 | 3150 |

## HS190-006
Reducing Straight(MF) / 内外螺纹异径直通

| SIZE | G1 | G | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/4" × 3/8" | 1/4" | 3/8" | 20 | 8 | 10 | 10 | 800 | 72000 |
| 1/4" × 1/2" | 1/4" | 1/2" | 21 | 8 | 11 | 10 | 480 | 43200 |
| 3/8" × 1/4" | 3/8" | 1/4" | 19 | 8.5 | 9 | 10 | 750 | 67500 |
| 3/8" × 1/2" | 3/8" | 1/2" | 21.5 | 8.5 | 11 | 10 | 450 | 40500 |
| 1/2" × 3/8" | 1/2" | 3/8" | 21.5 | 11 | 8.5 | 10 | 500 | 45000 |
| 1/2" × 3/4" | 1/2" | 3/4" | 25 | 11 | 12 | 10 | 280 | 25200 |
| 1/2" × 1" | 1/2" | 1" | 28 | 11 | 13.5 | 10 | 200 | 18000 |
| 1/2" × 1 1/4" | 1/2" | 1 1/4" | 30 | 11 | 16 | 5 | 105 | 9450 |
| 3/4" × 1/2" | 3/4" | 1/2" | 24 | 12 | 11 | 10 | 280 | 25200 |
| 3/4" × 1" | 3/4" | 1" | 29 | 12 | 14.5 | 5 | 160 | 14400 |
| 3/4" × 1 1/4" | 3/4" | 1 1/4" | 31 | 12 | 16 | 5 | 105 | 9450 |
| 1" × 3/4" | 1" | 3/4" | 27 | 13 | 12 | 5 | 150 | 13500 |
| 1" × 1 1/4" | 1" | 1 1/4" | 32 | 13 | 16 | 5 | 105 | 9450 |
| 1" × 1 1/2" | 1" | 1 1/2" | 34 | 13 | 17 | 5 | 75 | 6750 |
| 1" × 2" | 1" | 2" | 38 | 13 | 19.5 | 5 | 115 | 5175 |
| 1 1/4" × 1 1/2" | 1 1/4" | 1 1/2" | 36 | 16 | 17 | 5 | 70 | 6300 |
| 1 1/4" × 2" | 1 1/4" | 2" | 40 | 16 | 19.5 | 5 | 110 | 4950 |
| 1 1/2" × 2" | 1 1/2" | 2" | 40.5 | 17 | 19.5 | 5 | 110 | 4950 |
| 2" × 1 1/2" | 2" | 1 1/2" | 34 | 19 | 17 | 1 | 80 | 3600 |
| 2" × 2 1/2" | 2" | 2 1/2" | 19 | 19 | 25.5 | 1 | 48 | 2160 |





## HS190-007
Equal Elbow/ 内螺纹等径弯头

| SIZE | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/4" | 1/4" | 15.5 | 8.5 | 15.5 | 8.5 | 10 | 400 | 36000 |
| 3/8" | 3/8" | 17.5 | 8.5 | 17.5 | 8.5 | 10 | 340 | 30600 |
| 1/2" | 1/2" | 22 | 11 | 22 | 11 | 10 | 200 | 18000 |
| 3/4" | 3/4" | 28 | 13.5 | 28 | 13.5 | 10 | 110 | 9900 |
| 1" | 1" | 32 | 14 | 32 | 14 | 5 | 60 | 5400 |
| 1 1/4" | 1 1/4" | 38 | 16 | 38 | 16 | 5 | 35 | 3150 |
| 1 1/2" | 1 1/2" | 40.5 | 16 | 40.5 | 16 | 5 | 30 | 2700 |
| 2" | 2" | 51 | 20 | 51 | 20 | 1 | 36 | 1620 |
| 2 1/2" | 2 1/2" | 67 | 25.5 | 67 | 25.5 | 1 | 16 | 720 |
| 3" | 3" | 77 | 27 | 77 | 27 | 1 | 12 | 540 |
| 4" | 4" | 95 | 36 | 95 | 36 | 1 | 4 | 180 |

## HS190-008
Reducing Elbow/ 内螺纹异径弯头

| SIZE | G | G1 | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 1/2" × 3/8" | 1/2" | 3/8" | 21 | 11 | 20 | 8 | 8 | 8 | 8 |
| 3/4" × 1/2" | 3/4" | 1/2" | 24.5 | 13.5 | 24 | 11 | 11 | 11 | 11 |
| 1" × 1/2" | 1" | 1/2" | 26.5 | 14 | 27 | 11 | 11 | 11 | 11 |
| 1" × 3/4" | 1" | 3/4" | 29 | 14 | 31 | 13 | 13 | 13 | 13 |
| 1 1/4" × 1" | 1 1/4" | 1" | 33 | 16 | 34.5 | 14 | 14 | 14 | 14 |
| 1 1/2" × 1" | 1 1/2" | 1" | 34 | 16 | 36.5 | 14 | 14 | 14 | 14 |
| 1 1/2" × 1 1/4" | 1 1/2" | 1 1/4" | 37 | 16 | 41 | 16 | 16 | 16 | 16 |

## HS190-009
Equal Elbow(MF)/ 内外螺纹等径弯头

| SIZE | G | G1 | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 1/4" | 1/4" | 1/4" | 20 | 7 | 15 | 9 | 10 | 400 | 36000 |
| 3/8" | 3/8" | 3/8" | 24.5 | 9 | 17 | 8.5 | 10 | 340 | 30600 |
| 1/2" | 1/2" | 1/2" | 29 | 10.5 | 22 | 11 | 10 | 200 | 18000 |
| 3/4" × 1/2" | 3/4" | 1/2" | 27 | 12 | 24 | 11 | 10 | 160 | 14400 |
| 3/4" | 3/4" | 3/4" | 33.5 | 12.5 | 28 | 13 | 10 | 100 | 9000 |
| 1" | 1" | 1" | 38 | 13 | 32 | 14 | 5 | 60 | 5400 |
| 1 1/4" | 1 1/4" | 1 1/4" | 45 | 15 | 37 | 15 | 5 | 35 | 3150 |
| 1 1/2" | 1 1/2" | 1 1/2" | 48 | 16 | 40 | 16 | 5 | 25 | 2250 |
| 2" | 2" | 2" | 62 | 19 | 52 | 20 | 1 | 32 | 1440 |
| 2 1/2" | 2 1/2" | 2 1/2" | 77 | 24 | 67 | 25.5 | 1 | 17 | 765 |
| 3" | 3" | 3" | 86.5 | 27 | 77 | 27 | 1 | 12 | 540 |

## HS190-010
Equal Tee(FFF)/ 内螺纹等径三通

| SIZE | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/4" | 1/4" | 31 | 8.5 | 15.5 | 8.5 | 25 | 250 | 22500 |
| 3/8" | 3/8" | 35 | 8.5 | 17.5 | 8.5 | 10 | 180 | 16200 |
| 1/2" | 1/2" | 44 | 11 | 22 | 11 | 10 | 120 | 10800 |
| 3/4" x 1/2" | 3/4" | 56 | 13.5 | 28 | 13.5 | 10 | 60 | 5400 |
| 3/4" | 1" | 64 | 14 | 32 | 14 | 5 | 45 | 4050 |
| 1" | 1 1/4" | 76 | 16 | 38 | 16 | 5 | 25 | 2250 |
| 1 1/4" | 1 1/2" | 81 | 16 | 40.5 | 16 | 5 | 20 | 1800 |
| 1 1/2" | 2" | 102 | 20 | 51 | 20 | 1 | 26 | 1170 |
| 2" | 2 1/2" | 134 | 25.5 | 67 | 25.5 | 1 | 12 | 540 |
| 2 1/2" | 3" | 154 | 27 | 77 | 27 | 1 | 6 | 270 |
| 3" | 4" | 190 | 31 | 95 | 31 | 1 | 4 | 180 |

## HS190-011
Reducing Tee(FFF)/ 内螺纹异径三通

| SIZE | G | G1 | G1 | L | L1 | L2 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/4"×1/2"×3/4" | 3/4" | 3/4" | 1/2" | 48 | 13 | 13 | 25 | 11 | 10 | 90 | 8100 |
| 1"×1/2"×1" | 1" | 1" | 1/2" | 52 | 14 | 14 | 27.5 | 11 | 5 | 60 | 5400 |
| 1"×3/4"×1" | 1" | 1" | 3/4" | 57 | 14 | 14 | 30 | 13.5 | 5 | 50 | 4500 |
| 1 1/4"×1/2"×1 1/4" | 1 1/4" | 1 1/4" | 1/2" | 56 | 16 | 16 | 32 | 11 | 5 | 40 | 3600 |
| 1 1/4"×3/4"×1 1/4" | 1 1/4" | 1 1/4" | 3/4" | 61 | 16 | 16 | 34 | 13 | 5 | 30 | 2700 |
| 1 1/4"×1"×1 1/4" | 1 1/4" | 1 1/4" | 1" | 66 | 16 | 16 | 34.5 | 14 | 5 | 30 | 2700 |
| 1 1/2"×1/2"×1 1/2" | 1 1/2" | 1 1/2" | 1/2" | 59 | 16 | 16 | 34.5 | 11 | 5 | 25 | 2250 |
| 1 1/2"×3/4"×1 1/2" | 1 1/2" | 1 1/2" | 3/4" | 63 | 16 | 16 | 37 | 13.5 | 5 | 25 | 2250 |
| 1 1/2"×1"×1 1/2" | 1 1/2" | 1 1/2" | 1" | 66 | 16 | 16 | 38 | 14 | 5 | 25 | 2250 |
| 1 1/2"×1 1/4"×1 1/2" | 1 1/2" | 1 1/2" | 1 1/4" | 74 | 16 | 16 | 41 | 15 | 5 | 20 | 1800 |
| 2"×1/2"×2" | 2" | 2" | 1/2" | 66 | 21 | 21 | 44 | 11 | 1 | 42 | 1890 |
| 2"×3/4"×2" | 2" | 2" | 3/4" | 69 | 21 | 21 | 44 | 13.5 | 1 | 42 | 1890 |
| 2"×1"×2" | 2" | 2" | 1" | 78 | 21 | 21 | 44 | 15 | 1 | 42 | 1890 |
| 2"×1 1/4"×2" | 2" | 2" | 1 1/4" | 85 | 21 | 21 | 46 | 16.5 | 1 | 36 | 1620 |
| 2"×1 1/2"×2" | 2" | 2" | 1 1/2" | 92 | 21 | 21 | 46 | 17 | 1 | 30 | 1350 |

## HS190-012
Cross/ 内螺纹等径四通

| SIZE | G | L | L1 | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 35 | 8.5 | 35 | 10 | 190 | 17100 |
| 1/2" | 1/2" | 44 | 11 | 44 | 10 | 110 | 9900 |
| 3/4" | 3/4" | 56 | 13.5 | 56 | 10 | 60 | 5400 |
| 1" | 1" | 64 | 15 | 64 | 5 | 35 | 3150 |
| 1 1/4" | 1 1/4" | 76 | 16 | 76 | 5 | 20 | 1800 |
| 1 1/2" | 1 1/2" | 81 | 17 | 81 | 5 | 15 | 1350 |
| 2" | 2" | 102 | 20 | 102 | 1 | 18 | 810 |





## HS190-013
Straight Union With Metal Sealed(FF)/ 内螺纹连接直通（硬密封）

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 34.5 | 13.5 | 12 | 10 | 140 | 12600 |
| 3/4" | 3/4" | 3/4" | 40 | 14.5 | 15 | 10 | 80 | 7200 |
| 1" | 1" | 1" | 45 | 19 | 18 | 5 | 60 | 5400 |
| 1 1/4" | 1 1/4" | 1 1/4" | 51.5 | 20.5 | 19 | 5 | 30 | 2700 |
| 1 1/2" | 1 1/2" | 1 1/2" | 56.5 | 21 | 21 | 5 | 25 | 2250 |
| 2" | 2" | 2" | 68.5 | 24.5 | 24.5 | 1 | 30 | 1350 |
| 2 1/2" | 21/2" | 2 1/2" | 86.5 | 28 | 28 | 1 | 15 | 675 |
| 3" | 3" | 3" | 96 | 33 | 33 | 1 | 10 | 450 |

## HS190-014
Straight Union With Metal Sealed(MF)/ 内外螺纹连接直通（硬密封）

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 46.5 | 13 | 12 | 10 | 120 | 10800 |
| 3/4" | 3/4" | 3/4" | 52 | 14.5 | 15 | 10 | 70 | 6300 |
| 1" | 1" | 1" | 57.5 | 17 | 18 | 5 | 45 | 4050 |
| 1 1/4" | 1 1/4" | 1 1/4" | 64.5 | 17.5 | 19 | 5 | 30 | 2700 |
| 1 1/2" | 1 1/2" | 1 1/2" | 73.5 | 19.5 | 21 | 5 | 20 | 1800 |
| 2" | 2" | 2" | 82.5 | 24 | 24.5 | 1 | 24 | 1080 |
| 2 1/2" | 2 1/2" | 2 1/2" | 118.5 | 32 | 28 | 1 | 8 | 360 |
| 3" | 3" | 3" | 128 | 32 | 33 | 1 | 6 | 270 |

## HS190-015
Straight Union With Metal Sealed(MF)/ 内外螺纹连接直通（硬密封、轻型）

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 3/8" | 41 | 9 | 10.5 | 10 | 200 | 18000 |
| 1/2" | 1/2" | 1/2" | 45 | 10.5 | 11.5 | 10 | 130 | 11700 |
| 3/4" | 3/4" | 3/4" | 50.5 | 12 | 13.5 | 10 | 80 | 7200 |
| 1" | 1" | 1" | 58 | 16 | 16 | 5 | 50 | 4500 |
| 1 1/4" | 1 1/4" | 1 1/4" | 66 | 19 | 16 | 5 | 30 | 2700 |
| 1 1/2" | 1 1/2" | 1 1/2" | 70 | 19 | 19 | 5 | 20 | 1800 |
| 2" | 2" | 2" | 88 | 20 | 23 | 1 | 10 | 900 |

## HS190-016
Angle Union With Metal Sealed(MF)/ 内外螺纹连接弯头（硬密封）

| SIZE | G | G1 | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 3/8" | 46 | 10.5 | 20 | 8.5 | 10 | 140 | 12600 |
| 1/2" | 1/2" | 1/2" | 49 | 11.5 | 23.5 | 10.5 | 10 | 100 | 9000 |
| 3/4" | 3/4" | 3/4" | 57.5 | 13.5 | 27 | 12 | 10 | 60 | 5400 |
| 1" | 1" | 1" | 69 | 16 | 38 | 13.5 | 5 | 30 | 2700 |
| 1 1/4" | 1 1/4" | 1 1/4" | 78 | 16 | 39.5 | 15.5 | 5 | 20 | 1800 |
| 1 1/2" | 1 1/2" | 1 1/2" | 86 | 19 | 40.5 | 17.5 | 5 | 15 | 1350 |
| 2" | 2" | 2" | 109 | 23 | 60 | 22 | 1 | 6 | 540 |

## HS190-017
Straight Union With Rubber Sealed(MF)/ 内外螺纹连接直通（软密封、轻型）

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 3/8" | 41.5 | 9 | 10.5 | 10 | 200 | 18000 |
| 1/2" | 1/2" | 1/2" | 45.5 | 10.5 | 11.5 | 10 | 130 | 11700 |
| 3/4" | 3/4" | 3/4" | 51 | 12 | 13.5 | 10 | 80 | 7200 |
| 1" | 1" | 1" | 58.5 | 16 | 16 | 5 | 50 | 4500 |
| 1 1/4" | 1 1/4" | 1 1/4" | 66.5 | 19 | 16 | 5 | 30 | 2700 |
| 1 1/2" | 1 1/2" | 1 1/2" | 70 | 19 | 19 | 5 | 20 | 1800 |
| 2" | 2" | 2" | 88 | 20 | 23 | 1 | 10 | 900 |

## HS190-018
Angle Union With Rubber Sealed(MF)/ 内外螺纹连接弯头（软密封）

| SIZE | G | G1 | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 3/8" | 46.5 | 10.5 | 20 | 8.5 | 10 | 140 | 12600 |
| 1/2" | 1/2" | 1/2" | 49.5 | 11.5 | 23.5 | 10.5 | 10 | 100 | 9000 |
| 3/4" | 3/4" | 3/4" | 58 | 13.5 | 27 | 12 | 10 | 60 | 5400 |
| 1" | 1" | 1" | 69.5 | 16 | 38 | 13.5 | 5 | 30 | 2700 |
| 1 1/4" | 1 1/4" | 1 1/4" | 78.5 | 16 | 39.5 | 15.5 | 5 | 20 | 1800 |
| 1 1/2" | 1 1/2" | 1 1/2" | 86 | 19 | 40.5 | 17.5 | 5 | 15 | 1350 |
| 2" | 2" | 2" | 109 | 23 | 60 | 22 | 1 | 6 | 540 |





## HS190-019
Water Meter/ 水表接头

| SIZE | G | G1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 1/2" | 3/4" | 1/2" | 26 | 11 | 10 | 120 | 10800 |
| 1/2"MX7/8"F | 7/8" | 1/2" | 26 | 11 | 10 | 100 | 9000 |
| 3/4" | 1" | 3/4" | 35 | 14 | 10 | 70 | 6300 |
| 1" | 1 1/4" | 1" | 57 | 20 | 5 | 45 | 4050 |
| 1 1/4" | 1 1/2" | 1 1/4" | 57.5 | 21 | 5 | 30 | 2700 |
| 1 1/2" | 2" | 1 1/2" | 67 | 24 | 5 | 25 | 2250 |
| 2" | 2 1/2" | 2" | 76 | 29 | 1 | 25 | 1125 |

## HS190-020
Long Sweep Bend FF/ 内螺纹翻砂弯头

| SIZE | G | G1 | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 42 | 12.5 | 42 | 12.5 | 10 | 120 | 10800 |
| 3/4" | 3/4" | 3/4" | 47 | 14 | 47 | 14 | 10 | 70 | 6300 |
| 1" | 1" | 1" | 61 | 16 | 61 | 16 | 5 | 40 | 3600 |
| 1 1/4" | 1 1/4" | 1 1/4" | 72 | 17 | 72 | 17 | 5 | 20 | 1800 |
| 1 1/2" | 1 1/2" | 1 1/2" | 83 | 18 | 83 | 18 | 5 | 10 | 900 |
| 2" | 2" | 2" | 99 | 22 | 99 | 22 | 1 | 17 | 765 |

## HS190-021
Long Sweep Bend MF/ 内外螺纹翻砂弯头

| SIZE | G | G1 | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 42 | 12.5 | 38.5 | 11 | 10 | 120 | 10800 |
| 3/4" | 3/4" | 3/4" | 47 | 14 | 43.5 | 12.5 | 10 | 70 | 6300 |
| 1" | 1" | 1" | 61 | 16 | 57.5 | 14.5 | 5 | 40 | 3600 |
| 1 1/4" | 1 1/4" | 1 1/4" | 72 | 17 | 68.5 | 15.5 | 5 | 20 | 1800 |
| 1 1/2" | 1 1/2" | 1 1/2" | 83 | 18 | 78 | 16.5 | 5 | 10 | 900 |
| 2" | 2" | 2" | 99 | 22 | 92 | 19.5 | 1 | 17 | 765 |

## HS190-022
Extensions(MF)/ 内外螺纹延伸管

| SIZE | D | G | G1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8"×15 | 20 | 3/8" | 3/8" | 24 | 15 | 10 | 450 | 40500 |
| 3/8"×30 | 20 | 3/8" | 3/8" | 39 | 30 | 10 | 310 | 27900 |
| 3/8"×50 | 20 | 3/8" | 3/8" | 59 | 50 | 5 | 190 | 17100 |
| 3/8"×100 | 20 | 3/8" | 3/8" | 109 | 100 | 5 | 90 | 8100 |
| 1/2"×10 | 25 | 1/2" | 1/2" | 20 | 10 | 10 | 400 | 36000 |
| 1/2"×15 | 25 | 1/2" | 1/2" | 25 | 15 | 10 | 350 | 31500 |
| 1/2"×20 | 25 | 1/2" | 1/2" | 30 | 20 | 10 | 300 | 27000 |
| 1/2"×25 | 25 | 1/2" | 1/2" | 35 | 25 | 10 | 240 | 21600 |
| 1/2"×30 | 25 | 1/2" | 1/2" | 40 | 30 | 10 | 200 | 18000 |
| 1/2"×40 | 25 | 1/2" | 1/2" | 50 | 40 | 10 | 160 | 14400 |
| 1/2"×50 | 25 | 1/2" | 1/2" | 60 | 50 | 5 | 130 | 11700 |
| 1/2"×60 | 25 | 1/2" | 1/2" | 70 | 60 | 5 | 115 | 10350 |
| 1/2"×70 | 25 | 1/2" | 1/2" | 80 | 70 | 5 | 100 | 9000 |
| 1/2"×80 | 25 | 1/2" | 1/2" | 90 | 80 | 5 | 90 | 8100 |
| 1/2"×90 | 25 | 1/2" | 1/2" | 100 | 90 | 5 | 80 | 7200 |
| 1/2"×100 | 25 | 1/2" | 1/2" | 110 | 100 | 5 | 70 | 6300 |
| 3/4"×10 | 30.5 | 3/4" | 3/4" | 22 | 10 | 10 | 260 | 23400 |
| 3/4"×15 | 30.5 | 3/4" | 3/4" | 27 | 15 | 10 | 220 | 19800 |
| 3/4"×20 | 30.5 | 3/4" | 3/4" | 32 | 20 | 10 | 170 | 15300 |
| 3/4"×25 | 30.5 | 3/4" | 3/4" | 37 | 25 | 10 | 160 | 14400 |
| 3/4"×30 | 30.5 | 3/4" | 3/4" | 42 | 30 | 10 | 140 | 12600 |
| 3/4"×40 | 30.5 | 3/4" | 3/4" | 52 | 40 | 10 | 120 | 10800 |
| 3/4"×50 | 30.5 | 3/4" | 3/4" | 62 | 50 | 5 | 90 | 8100 |
| 3/4"×60 | 30.5 | 3/4" | 3/4" | 72 | 60 | 5 | 80 | 7200 |
| 3/4"×70 | 30.5 | 3/4" | 3/4" | 82 | 70 | 5 | 80 | 7200 |
| 3/4"×80 | 30.5 | 3/4" | 3/4" | 92 | 80 | 5 | 70 | 6300 |
| 3/4"×90 | 30.5 | 3/4" | 3/4" | 102 | 90 | 5 | 60 | 5400 |
| 3/4"×100 | 30.5 | 3/4" | 3/4" | 112 | 100 | 5 | 50 | 4500 |
| 1"×10 | 37.5 | 1" | 1" | 23 | 10 | 10 | 180 | 16200 |
| 1"×15 | 37.5 | 1" | 1" | 28 | 15 | 10 | 160 | 14400 |
| 1"×20 | 37.5 | 1" | 1" | 33 | 20 | 10 | 120 | 10800 |
| 1"×25 | 37.5 | 1" | 1" | 38 | 25 | 10 | 110 | 9900 |
| 1"×30 | 37.5 | 1" | 1" | 43 | 30 | 10 | 100 | 9000 |
| 1"×40 | 37.5 | 1" | 1" | 53 | 40 | 10 | 80 | 7200 |
| 1"×50 | 37.5 | 1" | 1" | 63 | 50 | 5 | 70 | 6300 |

## HS190-023
Hose Nipple(M)/ 外螺纹软管接头

| SIZE | D | G | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8"×10mm | 10 | 3/8" | 40 | 27 | 8.5 | 10 | 400 | 36000 |
| 3/8"×12mm | 12 | 3/8" | 41 | 28.5 | 8.5 | 10 | 400 | 36000 |
| 1/2"×10mm | 10 | 1/2" | 42 | 27 | 10.5 | 10 | 330 | 29700 |
| 1/2"×12mm | 12 | 1/2" | 43.5 | 28.5 | 10.5 | 10 | 300 | 27000 |
| 1/2"×14mm | 14 | 1/2" | 47 | 32 | 10.5 | 10 | 280 | 25200 |
| 1/2"×16mm | 16 | 1/2" | 49 | 34 | 10.5 | 10 | 240 | 21600 |
| 1/2"×18mm | 18 | 1/2" | 49 | 34 | 10.5 | 10 | 230 | 20700 |
| 1/2"×20mm | 20 | 1/2" | 53.5 | 38.5 | 10.5 | 10 | 190 | 17100 |
| 3/4"×20mm | 20 | 3/4" | 54 | 38.5 | 11.5 | 10 | 140 | 12600 |
| 3/4"×25mm | 25 | 3/4" | 55.5 | 39 | 11.5 | 10 | 120 | 10800 |
| 1"×20mm | 20 | 1" | 55.5 | 38.5 | 12 | 5 | 100 | 9000 |
| 1"×25mm | 25 | 1" | 56 | 39 | 12 | 5 | 100 | 9000 |
| 1"×27mm | 27 | 1" | 56 | 39 | 12 | 5 | 100 | 9000 |
| 1"×30mm | 30 | 1" | 56 | 39 | 12 | 5 | 80 | 7200 |
| 1 1/4"×30mm | 30 | 1 1/4" | 61.5 | 39 | 16 | 5 | 50 | 4500 |
| 1 1/4"×32mm | 32 | 1 1/4" | 61.5 | 39 | 16 | 5 | 50 | 4500 |
| 1 1/4"×35mm | 35 | 1 1/4" | 66 | 43.5 | 16 | 5 | 50 | 4500 |
| 1 1/2"×40mm | 40 | 1 1/2" | 72.5 | 47 | 19.5 | 5 | 30 | 2700 |
| 1 1/2"×45mm | 45 | 1 1/2" | 76 | 50.5 | 19.5 | 5 | 30 | 2700 |
| 2"×50mm | 50 | 2" | 84 | 53 | 24 | 1 | 48 | 2160 |
| 2"×60mm | 60 | 2" | 90 | 59 | 24 | 1 | 33 | 1485 |





## HS190-024
Five Wat Tee/ 五通

| SIZE | G | G1 | G2 | G3 | L |
|---|---|---|---|---|---|
| 1"×1"×1"×92mm | 1" | 1" | 1" | 1/4" | 92 |

| L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 32 | 61.5 | 32 | 5 | 30 | 2700 |

## HS190-025
Water Tank Connector/ 水箱

| SIZE | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 3/8" | 3/8" | 48 | 10 | 180 | 16200 |
| 1/2" | 1/2" | 50 | 10 | 120 | 10800 |
| 3/4" | 3/4" | 50.5 | 10 | 80 | 7200 |
| 1" | 1" | 54 | 5 | 50 | 4500 |
| 1 1/4" | 1 1/4" | 55.5 | 5 | 30 | 2700 |
| 1 1/2" | 1 1/2" | 64 | 1 | 25 | 2250 |
| 2" | 2" | 74 | 1 | 30 | 1350 |
| 2 1/2" | 2 1/2" | 80.5 | 1 | 22 | 990 |
| 3" | 3" | 99 | 1 | 10 | 450 |

## HS190-026
Quick Connector With Hose/ 带软管接头的快速接头

| SIZE | D | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20 | 20 | 43 | 29.5 | 10 | 10 | 10 |
| 25 | 25 | 47.5 | 30.5 | 10 | 10 | 10 |
| 30 | 30 | 56.5 | 37.5 | 10 | 10 | 10 |
| 35 | 35 | 64 | 41 | 5 | 5 | 5 |
| 40 | 40 | 75.5 | 47 | 5 | 5 | 5 |
| 45 | 45 | 87.5 | 59.5 | 1 | 1 | 1 |
| 50 | 50 | 79 | 53.5 | 1 | 1 | 1 |
| 60 | 60 | 89 | 56.5 | 1 | 1 | 1 |
| 70 | 70 | 98.5 | 64 | 1 | 1 | 1 |

## HS190-027
Quick Connector With Male Thread/ 外螺纹快速接头

| SIZE | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 27 | 13 | 10 | 180 | 16200 |
| 3/4" | 3/4" | 31.5 | 14.5 | 10 | 110 | 9900 |
| 1" | 1" | 34 | 14.5 | 5 | 70 | 6300 |
| 11/4" | 11/4" | 39.5 | 16.5 | 5 | 35 | 3150 |
| 11/2" | 11/2" | 44.5 | 18 | 1 | 22 | 1980 |
| 2" | 2" | 53.5 | 21 | 1 | 24 | 1080 |

## HS190-028
Bushings/ 内外接

| SIZE | G | G1 | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/4"×1/8" | 1/4" | 1/8" | 10 | 25 | 1200 | 108000 |
| 3/8"×1/8" | 3/8" | 1/8" | 13 | 10 | 1000 | 90000 |
| 3/8"×1/4" | 3/8" | 1/4" | 13 | 10 | 1000 | 90000 |
| 1/2"×1/8" | 1/2" | 1/8" | 14.5 | 10 | 700 | 63000 |
| 1/2"×1/4" | 1/2" | 1/4" | 14.5 | 10 | 700 | 63000 |
| 1/2"×3/8" | 1/2" | 3/8" | 14.5 | 10 | 700 | 63000 |
| 3/4"×1/4" | 3/4" | 1/4" | 16 | 10 | 400 | 36000 |
| 3/4"×3/8" | 3/4" | 3/8" | 16 | 10 | 400 | 36000 |
| 3/4"×1/2" | 3/4" | 1/2" | 16 | 10 | 400 | 36000 |
| 3/4"×5/8" | 3/4" | 5/8" | 16 | 10 | 400 | 36000 |
| 1"×3/8" | 1" | 3/8" | 17.5 | 5 | 200 | 18000 |
| 1"×1/2" | 1" | 1/2" | 17.5 | 5 | 200 | 18000 |
| 1"×3/4" | 1" | 3/4" | 17.5 | 5 | 200 | 18000 |
| 1 1/4"×1/2" | 1 1/4" | 1/2" | 19.5 | 5 | 140 | 12600 |
| 1 1/4"×3/4" | 1 1/4" | 3/4" | 19.5 | 5 | 140 | 12600 |
| 1 1/4"×1" | 1 1/4" | 1" | 19.5 | 5 | 140 | 12600 |
| 1 1/2"×1/2" | 1 1/2" | 1/2" | 20.5 | 5 | 115 | 10350 |
| 1 1/2"×3/4" | 1 1/2" | 3/4" | 20.5 | 5 | 115 | 10350 |
| 1 1/2"×1" | 1 1/2" | 1" | 20.5 | 5 | 115 | 10350 |
| 1 1/2"×1 1/4" | 1 1/2" | 1 1/4" | 20.5 | 5 | 115 | 10350 |
| 2"×1/2" | 2" | 1/2" | 25.5 | 1 | 140 | 6300 |
| 2"×3/4" | 2" | 3/4" | 25.5 | 1 | 140 | 6300 |
| 2"×1" | 2" | 1" | 25.5 | 1 | 140 | 6300 |
| 2"×1 1/4" | 2" | 1 1/4" | 25.5 | 1 | 140 | 6300 |
| 2"×1 1/2" | 2" | 1 1/2" | 25.5 | 1 | 140 | 6300 |
| 2 1/2"×1 1/4" | 2 1/2" | 1 1/4" | 28 | 1 | 90 | 4050 |
| 2 1/2"×1 1/2" | 2 1/2" | 1 1/2" | 28 | 1 | 90 | 4050 |
| 2 1/2"×2" | 2 1/2" | 2" | 28 | 1 | 90 | 4050 |
| 3"×2" | 3" | 2" | 33 | 1 | 56 | 2520 |
| 3"×2 1/2" | 3" | 2 1/2" | 33 | 1 | 56 | 2520 |
| 4"×2" | 4" | 2" | 44 | 1 | 26 | 1170 |
| 4"×2 1/2" | 4" | 2 1/2" | 44 | 1 | 26 | 1170 |
| 4"×3" | 4" | 3" | 44 | 1 | 26 | 1170 |





## HS190-029
Cap/ 平底帽

| SIZE | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 1/4" | 1/4" | 10 | 25 | 1700 | 153000 |
| 3/8" | 3/8" | 10.5 | 10 | 800 | 72000 |
| 1/2" | 1/2" | 12 | 10 | 670 | 60300 |
| 3/4" | 3/4" | 13.5 | 10 | 380 | 34200 |
| 1" | 1" | 15 | 5 | 200 | 18000 |
| 1 1/4" | 1 1/4" | 15 | 5 | 150 | 13500 |
| 1 1/2" | 1 1/2" | 16 | 5 | 110 | 9900 |
| 2" | 2" | 19 | 1 | 135 | 6075 |

## HS190-030
Flanged Plug/ 法兰堵头

| SIZE | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/8" | 1/8" | 14 | 7 | 25 | 1500 | 135000 |
| 1/4" | 1/4" | 14 | 7 | 10 | 1400 | 126000 |
| 3/8" | 3/8" | 14 | 7 | 10 | 1000 | 90000 |
| 1/2" | 1/2" | 17 | 9 | 10 | 700 | 63000 |
| 3/4" | 3/4" | 19.5 | 11 | 10 | 400 | 36000 |
| 1" | 1" | 21.5 | 11.5 | 5 | 200 | 18000 |
| 1 1/4" | 1 1/4" | 25.5 | 12.5 | 5 | 120 | 10800 |
| 1 1/2" | 1 1/2" | 28.5 | 13 | 5 | 110 | 9900 |
| 2" | 2" | 34.5 | 17 | 1 | 160 | 7200 |
| 2 1/4" | 2 1/4" | 36 | 18.5 | 1 | 90 | 4050 |
| 2 1/2" | 2 1/2" | 39.5 | 20 | 1 | 84 | 3780 |
| 3" | 3" | 46.5 | 24 | 1 | 56 | 2520 |
| 4" | 4" | 55.5 | 28 | 1 | 24 | 1080 |

## HS190-031
Sockets/ 内螺纹螺管

| SIZE | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 1/8" | 1/8" | 14.5 | 25 | 1350 | 121500 |
| 1/4" | 1/4" | 21 | 25 | 675 | 60750 |
| 3/8" | 3/8" | 22 | 25 | 425 | 38250 |
| 1/2" | 1/2" | 25.5 | 10 | 260 | 23400 |
| 3/4" | 3/4" | 28.5 | 10 | 150 | 13500 |
| 1" | 1" | 30 | 5 | 90 | 8100 |

## HS190-032
Spacer Nipple/ 外螺纹锥牙直通

| SIZE | R | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/8" | 1/8" | 23 | 7 | 25 | 1200 | 108000 |
| 1/4" | 1/4" | 25.5 | 7.5 | 25 | 750 | 67500 |
| 3/8" | 3/8" | 26.5 | 9 | 25 | 525 | 47250 |
| 1/2" | 1/2" | 28.5 | 10 | 10 | 340 | 30600 |
| 3/4" | 3/4" | 32.5 | 12 | 10 | 170 | 15300 |
| 1" | 1" | 38 | 15 | 5 | 100 | 9000 |

## HS190-033
Running Nipple/ 外螺纹螺管

| SIZE | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 1/8" | 1/8" | 15 | 25 | 1000 | 90000 |
| 1/4" | 1/4" | 18 | 25 | 800 | 72000 |
| 3/8" | 3/8" | 21 | 25 | 750 | 67500 |
| 1/2" | 1/2" | 25.5 | 10 | 360 | 32400 |
| 3/4" | 3/4" | 25.5 | 10 | 220 | 19800 |
| 1" | 1" | 30 | 5 | 130 | 11700 |

## HS190-034
Flanged Backnuts/ 法兰螺母

| SIZE | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 1/4" | 1/4" | 6.5 | 25 | 1500 | 135000 |
| 3/8" | 3/8" | 6.5 | 25 | 1200 | 108000 |
| 1/2" | 1/2" | 6.5 | 10 | 800 | 72000 |
| 3/4" | 3/4" | 6.5 | 10 | 500 | 45000 |
| 1" | 1" | 7.5 | 10 | 350 | 31500 |
| 1 1/4" | 1 1/4" | 8 | 10 | 100 | 9000 |
| 1 1/2" | 1 1/2" | 9 | 10 | 100 | 9000 |
| 2" | 2" | 10 | 5 | 200 | 9000 |
| 2 1/2" | 2 1/2" | 11.5 | 5 | 100 | 4500 |
| 3" | 3" | 12 | 5 | 75 | 3375 |





## HS190-035
Equal Elbow(MM)/ 外螺纹等径弯头

| SIZE | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 21 | 8 | 21 | 8 | 10 | 480 | 43200 |
| 1/2" | 1/2" | 23 | 8 | 23 | 8 | 10 | 240 | 21600 |
| 3/4" | 3/4" | 28.5 | 9 | 28.5 | 9 | 10 | 120 | 10800 |
| 1" | 1" | 35 | 11 | 35 | 11 | 5 | 75 | 6750 |

## HS190-036
Equal Elbow(MM)/ 外螺纹带法兰弯头

| SIZE | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 26.5 | 10.5 | 26.5 | 10.5 | 10 | 200 | 18000 |
| 3/4" | 3/4" | 32.5 | 12 | 32.5 | 12 | 10 | 100 | 9000 |
| 1" | 1" | 39 | 14 | 39 | 14 | 5 | 60 | 5400 |

## HS190-037
Wallplate Elbow/ 内螺纹墙体阀

| SIZE | G | L | L1 | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 22 | 11 | 37.5 | 22 | 11 | 10 | 140 | 12600 |

## HS190-038
Equal Tee(MMM)/ 外螺纹等径三通（轻型）

| SIZE | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 38 | 8 | 19 | 8 | 10 | 300 | 27000 |
| 1/2" | 1/2" | 42 | 8 | 21 | 8 | 10 | 200 | 18000 |
| 3/4" | 3/4" | 57 | 9 | 28.5 | 9 | 10 | 90 | 8100 |
| 1" | 1" | 70 | 11 | 35 | 11 | 5 | 50 | 4500 |

## HS190-039
Equal Tee(MMM)/ 外螺纹等径三通（重型）

| SIZE | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 42 | 8 | 21 | 8 | 10 | 300 | 27000 |
| 1/2" | 1/2" | 46 | 8 | 23 | 8 | 10 | 180 | 16200 |
| 3/4" | 3/4" | 57 | 9 | 28.5 | 9 | 10 | 90 | 8100 |
| 1" | 1" | 70 | 11 | 35 | 11 | 5 | 50 | 4500 |

## HS190-040
Equal Tee(FMF)/ 内外内螺纹等径三通

| SIZE | G | G1 | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 44 | 11 | 23 | 8 | 10 | 130 | 11700 |
| 3/4" | 3/4" | 3/4" | 53 | 13 | 28.5 | 9 | 10 | 70 | 6300 |
| 1" | 1" | 1" | 60 | 14 | 34 | 11 | 5 | 45 | 4050 |





## HS190-041
Hose Nipple(F)/ 内螺纹软管接头

| SIZE | D | G | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2"×10mm | 10 | 1/2" | 40 | 27 | 11 | 10 | 320 | 28800 |
| 1/2"×12mm | 12 | 1/2" | 40 | 27 | 11 | 10 | 290 | 26100 |
| 1/2"×14mm | 14 | 1/2" | 45 | 32 | 11 | 10 | 250 | 22500 |
| 1/2"×16mm | 16 | 1/2" | 47 | 34 | 11 | 10 | 240 | 21600 |
| 1/2"×18mm | 18 | 1/2" | 47 | 34 | 11 | 10 | 210 | 18900 |
| 1/2"×20mm | 20 | 1/2" | 51.5 | 38.5 | 11 | 10 | 180 | 16200 |
| 3/4"×20mm | 20 | 3/4" | 54 | 38.5 | 13 | 10 | 140 | 12600 |
| 3/4"×25mm | 25 | 3/4" | 54 | 38.5 | 13 | 5 | 120 | 10800 |
| 1"×25mm | 25 | 1" | 56 | 38.5 | 14 | 5 | 90 | 8100 |
| 1"×30mm | 30 | 1" | 56 | 38.5 | 14 | 5 | 70 | 6300 |

## HS190-042
Extensions(MM)/ 外螺纹延伸管

| SIZE | D | G | G1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2"×50 | 21.5 | 1/2" | 1/2" | 50 | 15 | 10 | 240 | 21600 |
| 1/2"×60 | 21.5 | 1/2" | 1/2" | 60 | 15 | 10 | 160 | 14400 |
| 1/2"×70 | 21.5 | 1/2" | 1/2" | 70 | 15 | 10 | 160 | 14400 |
| 1/2"×80 | 21.5 | 1/2" | 1/2" | 80 | 15 | 10 | 140 | 12600 |
| 1/2"×100 | 21.5 | 1/2" | 1/2" | 100 | 15 | 10 | 150 | 13500 |
| 1/2"×150 | 21.5 | 1/2" | 1/2" | 150 | 15 | 10 | 100 | 9000 |
| 1/2"×200 | 21.5 | 1/2" | 1/2" | 200 | 15 | 10 | 70 | 6300 |
| 1/2"×250 | 21.5 | 1/2" | 1/2" | 250 | 15 | 10 | 70 | 6300 |
| 3/4"×50 | 27 | 3/4" | 3/4" | 50 | 16.5 | 10 | 140 | 12600 |
| 3/4"×70 | 27 | 3/4" | 3/4" | 70 | 16.5 | 10 | 100 | 9000 |
| 3/4"×80 | 27 | 3/4" | 3/4" | 80 | 16.5 | 10 | 90 | 8100 |
| 3/4"×100 | 27 | 3/4" | 3/4" | 100 | 16.5 | 10 | 90 | 8100 |
| 3/4"×150 | 27 | 3/4" | 3/4" | 150 | 16.5 | 10 | 70 | 6300 |
| 3/4"×175 | 27 | 3/4" | 3/4" | 175 | 16.5 | 10 | 60 | 5400 |
| 3/4"×200 | 27 | 3/4" | 3/4" | 200 | 16.5 | 10 | 40 | 3600 |
| 3/4"×250 | 27 | 3/4" | 3/4" | 250 | 16.5 | 10 | 40 | 3600 |
| 1"×50 | 34 | 1" | 1" | 50 | 19 | 5 | 90 | 8100 |
| 1"×60 | 34 | 1" | 1" | 60 | 19 | 5 | 80 | 7200 |
| 1"×70 | 34 | 1" | 1" | 70 | 19 | 5 | 60 | 5400 |
| 1"×80 | 34 | 1" | 1" | 80 | 19 | 5 | 90 | 8100 |
| 1"×100 | 34 | 1" | 1" | 100 | 19 | 5 | 60 | 5400 |
| 1"×150 | 34 | 1" | 1" | 150 | 19 | 5 | 45 | 4050 |
| 1"×200 | 34 | 1" | 1" | 200 | 19 | 5 | 30 | 2700 |
| 1"×250 | 34 | 1" | 1" | 250 | 19 | 5 | 30 | 2700 |

## HS190-043
M Blanking Plug/ 外螺纹六角堵头

| SIZE | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/4" | 1/4" | 12 | 8 | 10 | 1600 | 144000 |
| 3/8" | 3/8" | 12 | 9 | 10 | 800 | 72000 |
| 1/2" | 1/2" | 13.5 | 10.5 | 10 | 550 | 49500 |
| 3/4" | 3/4" | 15 | 11 | 10 | 350 | 31500 |
| 1" | 1" | 17 | 12.5 | 5 | 220 | 19800 |
| 1 1/4" | 1 1/4" | 19 | 13.5 | 5 | 125 | 11250 |
| 1 1/2" | 1 1/2" | 21.5 | 15 | 5 | 85 | 7650 |
| 2" | 2" | 24 | 17 | 1 | 140 | 12600 |

## HS190-044
Red Ring–Int Hex/ 内六角转接头

| SIZE | G | G1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 1/2"×3/8" | 1/2" | 3/8" | 10 | 7.5 | 10 | 800 | 72000 |
| 3/4"×1/2" | 3/4" | 1/2" | 11 | 9 | 10 | 500 | 45000 |

## HS190-045
Straight Union With Rubber Sealed(MM)/ 外螺纹连接直通（软密封）

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 52.5 | 11 | 11.5 | 10 | 160 | 14400 |
| 3/4" | 3/4" | 3/4" | 57 | 12 | 13.5 | 10 | 80 | 7200 |
| 1" | 1" | 1" | 66.5 | 14 | 16 | 5 | 60 | 5400 |





## HS190-046
Nut/ 连接帽

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 10×3/8"F | 10.3 | 3/8" | 9.5 | 8.5 | 25 | 1250 | 112500 |
| 10×1/2"F | 10.3 | 1/2" | 10.5 | 9 | 25 | 800 | 72000 |
| 12×3/8"F | 12.5 | 3/8" | 9.5 | 8.5 | 25 | 1250 | 112500 |
| 12×1/2"F | 12.5 | 1/2" | 10.5 | 9 | 25 | 800 | 72000 |
| 14×3/8"F | 14.5 | 3/8" | 9.5 | 8.5 | 25 | 1250 | 112500 |
| 14×1/2"F | 14.5 | 1/2" | 10.5 | 9 | 25 | 800 | 72000 |
| 14×3/4"F | 14.5 | 3/4" | 12 | 10 | 10 | 480 | 43200 |
| 16×1/2"F | 16.5 | 1/2" | 10.5 | 9 | 25 | 800 | 72000 |
| 16×3/4"F | 16.5 | 3/4" | 12 | 10 | 10 | 480 | 43200 |
| 18×3/4"F | 18.5 | 3/4" | 12 | 10 | 10 | 480 | 43200 |

## HS190-047
Reducing Nipple(MF) / 内外螺纹异径直通

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8"M×1/4"F | 3/8" | 1/4" | 18.3 | 9.5 | 8 | 10 | 800 | 72000 |
| 1/2"M×3/8"F | 1/2" | 3/8" | 19 | 9 | 9 | 10 | 450 | 40500 |
| 3/4"M×3/8"F | 3/4" | 3/8" | 19 | 9 | 10 | 10 | 320 | 28800 |
| 3/4"M×1/2"F | 3/4" | 1/2" | 19 | 11 | 10 | 10 | 320 | 28800 |
| 1"M×3/4"F | 1" | 3/4" | 21 | 12.5 | 12 | 10 | 200 | 18000 |
| 11/4"M×1"F | 11/4" | 1" | 23 | 14 | 14 | 5 | 110 | 9900 |

## HS190-048
Reducing Nipple(MF) / 内外螺纹异径直通

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8"M×1/2"F | 3/8" | 1/2" | 23 | 11.5 | 8.3 | 10 | 400 | 36000 |
| 3/8"M×3/4"F | 3/8" | 3/4" | 29.8 | 13 | 10.3 | 10 | 180 | 16200 |
| 1/2"M×3/4"F | 1/2" | 3/4" | 26.3 | 13 | 10.3 | 10 | 200 | 18000 |
| 1/2"M×1"F | 1/2" | 1" | 32.3 | 14.5 | 10.3 | 10 | 110 | 9900 |
| 3/4"M×1"F | 3/4" | 1" | 31.3 | 14.5 | 11.8 | 10 | 110 | 9900 |
| 1"M×1 1/4"F | 1" | 1 1/4" | 36.3 | 16.5 | 13.3 | 5 | 65 | 5850 |
| 1 1/4"M×1 1/2"F | 1 1/4" | 1 1/2" | 35.3 | 16.5 | 13.3 | 5 | 55 | 4950 |

## HS190-049
Straight Union/ 连接直通（两体式）

| SIZE | G | G1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 1"×1 1/2" | 11/2" | 1" | 22 | 18 | 2 | 80 | 7200 |
| 1 1/4"×2" | 2" | 11/4" | 23 | 19 | 2 | 50 | 4500 |

## HS190-050
Quick Connector With Female Thread/ 内螺纹快速接头

| SIZE | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 31 | 10 | 10 | 110 | 9900 |
| 3/4" | 3/4" | 31 | 10 | 10 | 100 | 9000 |
| 1" | 1" | 33 | 11.5 | 5 | 80 | 7200 |
| 1 1/4" | 1 1/4" | 36 | 11.5 | 5 | 60 | 5400 |
| 1 1/2" | 1 1/2" | 38 | 12.5 | 5 | 40 | 3600 |

## HS190-051
Quick Connector With Male Thread/ 外螺纹快速接头

| SIZE | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 32 | 10.5 | 10 | 110 | 9900 |
| 3/4" | 3/4" | 32 | 10.5 | 10 | 100 | 9000 |
| 1" | 1" | 32.5 | 11 | 5 | 80 | 7200 |
| 1 1/4" | 1 1/4" | 37 | 15 | 5 | 60 | 5400 |
| 1 1/2" | 1 1/2" | 37 | 15 | 5 | 40 | 3600 |





## HS190-052
Quick Connector With Hose/ 带软管接头的快速接头

| SIZE | D | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 13 | 13 | 48.5 | 27 | 10 | 100 | 9000 |
| 16 | 16 | 48.5 | 27 | 10 | 100 | 9000 |
| 19 | 19 | 52.5 | 31 | 10 | 80 | 7200 |
| 22 | 22 | 52.5 | 31 | 10 | 70 | 6300 |
| 25 | 25 | 52.5 | 31 | 10 | 70 | 6300 |
| 32 | 32 | 66.5 | 44.5 | 5 | 50 | 4500 |
| 38 | 38 | 73 | 51 | 5 | 40 | 3600 |

## HS190-053
uick Connector With End/ 快速接头堵头

| SIZE | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|
| | 34.5 | 10 | 120 | 10800 |

## HS190-054
Straight Union With PTFE Sealed(MF)/ 内外螺纹连接直通 (PTFE 密封 )

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 46 | 10.5 | 11.5 | 10 | 130 | 11700 |
| 3/4" | 3/4" | 3/4" | 51 | 13 | 13.5 | 10 | 80 | 7200 |
| 1" | 1" | 1" | 59 | 16 | 16 | 5 | 50 | 4500 |
| 1 1/4" | 1 1/4" | 1 1/4" | 65 | 19 | 16 | 5 | 30 | 2700 |
| 1 1/2" | 1 1/2" | 1 1/2" | 67 | 16.5 | 20 | 5 | 20 | 1800 |
| 2" | 2" | 2" | 70.5 | 17.5 | 20 | 1 | 13 | 1170 |

## HS190-055
Angle Union With PTFE Sealed(MF)/ 内外螺纹连接弯头 (PTFE 密封 )

| SIZE | G | G1 | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 50 | 11.5 | 23.5 | 10.5 | 10 | 100 | 9000 |
| 3/4" | 3/4" | 3/4" | 58 | 13.5 | 27 | 12 | 10 | 60 | 5400 |
| 1" | 1" | 1" | 71 | 16 | 38 | 13.5 | 5 | 30 | 2700 |
| 1 1/4" | 1 1/4" | 1 1/4" | 77.5 | 16 | 37.5 | 16 | 5 | 20 | 1800 |
| 1 1/2" | 1 1/2" | 1 1/2" | 84 | 20 | 40.5 | 16 | 5 | 15 | 1350 |
| 2" | 2" | 2" | 92 | 20 | 50.5 | 20 | 1 | 6 | 540 |





## HS190-056
Straight Union With PTFE Sealed(FF)/ 内螺纹连接直通 (PTFE 密封 )

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 40 | 12 | 13.5 | 10 | 140 | 12600 |
| 3/4" | 3/4" | 3/4" | 43.5 | 15 | 14 | 10 | 80 | 7200 |
| 1" | 1" | 1" | 47.5 | 17 | 17 | 5 | 60 | 5400 |
| 1 1/4" | 1 1/4" | 1 1/4" | 58 | 19 | 20.5 | 5 | 30 | 2700 |
| 1 1/2" | 1 1/2" | 1 1/2" | 59 | 21 | 19 | 5 | 25 | 2250 |
| 2" | 2" | 2" | 73.5 | 24.5 | 24.5 | 1 | 30 | 1350 |

## HS190-057
Straight Union With PTFE Sealed(MF)/ 内外螺纹连接直通 (PTFE 密封 )

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 1/2" | 47.5 | 13 | 12 | 10 | 120 | 10800 |
| 3/4" | 3/4" | 3/4" | 55 | 14.5 | 15 | 10 | 70 | 6300 |
| 1" | 1" | 1" | 62 | 17 | 17 | 5 | 45 | 4050 |
| 1 1/4" | 1 1/4" | 1 1/4" | 66.5 | 17.5 | 19 | 5 | 30 | 2700 |
| 1 1/2" | 1 1/2" | 1 1/2" | 76.5 | 19.5 | 21 | 5 | 20 | 1800 |
| 2" | 2" | 2" | 91 | 24 | 24.5 | 1 | 24 | 1080 |

# HS200 SERIES

**Technical Points:**

1.Body in brass by hot forging.

2.Manufactured according to EN1254-4.

3.Fastening threads according to ISO 228/1.

4.Polishing and chromeplated.

**技术要点：**

1. 本体黄铜锻造

2. 生产标准：EN1254-4

3. 外配螺纹标准：ISO228/1

4. 抛光镀铬





## HS200-001
Equal Straight/ 内螺纹等径直通

| SIZE | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 3/8" | 3/8" | 25 | 1 | 300 | 19200 |
| 1/2" | 1/2" | 30 | 1 | 250 | 16000 |
| 3/4" | 3/4" | 34 | 1 | 140 | 8960 |

## HS200-002
Reducing Straight/ 内螺纹异径直通

| SIZE | G | G1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 1/2" x 3/8" | 1/2" | 3/8" | 21.5 | 13 | 1 | 350 | 22400 |
| 3/4" x 1/2" | 3/4" | 1/2" | 26 | 14.5 | 1 | 200 | 12800 |

## HS200-003
Equal Nipple/ 外螺纹等径直通

| SIZE | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 22.5 | 9 | 1 | 350 | 22400 |
| 1/2" | 1/2" | 25.5 | 10.5 | 1 | 300 | 19200 |
| 3/4" | 3/4" | 29 | 12 | 1 | 220 | 14080 |

## HS200-004
Reducing Nipple/ 外螺纹异径直通

| SIZE | G | G1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2" x 1/4" | 1/2" | 1/4" | 23 | 7.5 | 11 | 1 | 350 | 22400 |
| 1/2" x 3/8" | 1/2" | 3/8" | 24.5 | 9 | 10 | 1 | 350 | 22400 |
| 3/4" x 1/2" | 3/4" | 1/2" | 29 | 11.5 | 12.5 | 1 | 250 | 16000 |

## HS200-005
Equal Elbow/ 内螺纹等径弯头

| SIZE | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 17.5 | 8.5 | 17.5 | 8.5 | 1 | 350 | 22400 |
| 1/2" | 1/2" | 22 | 11 | 22 | 11 | 1 | 250 | 16000 |
| 3/4" | 3/4" | 28 | 13.5 | 28 | 13.5 | 1 | 110 | 7040 |

## HS200-006
Equal Elbow(MF)/ 内、外螺纹等径弯头

| SIZE | G | G1 | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 3/8" | 24.5 | 9 | 17 | 8.5 | 1 | 350 | 22400 |
| 1/2" | 1/2" | 1/2" | 29 | 10.5 | 22 | 11 | 1 | 250 | 16000 |
| 3/4" | 3/4" | 3/4" | 33.5 | 12.5 | 28 | 13 | 1 | 110 | 7040 |





## HS200-007
Equal Tee/ 内螺纹等径三通

| SIZE | G | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 3/8" | 3/8" | 35 | 8.5 | 17.5 | 8.5 | 1 | 225 | 14400 |
| 1/2" | 1/2" | 44 | 11 | 22 | 11 | 1 | 150 | 9600 |
| 3/4" | 3/4" | 56 | 13.5 | 28 | 13.5 | 1 | 80 | 5120 |

## HS200-008
Reducing Tee/ 内螺纹异径三通

| SIZE | G | G1 | G2 | L | L1 |
|---|---|---|---|---|---|
| 3/4" × 1/2" × 3/4" | 3/4" | 3/4" | 1/2" | 48 | 13 |

| L2 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 13 | 25 | 11 | 1 | 100 | 6400 |

## HS200-009
Extensions（MF）/ 内、外螺纹延伸管

| SIZE | D | G | G1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2" × 10 | 25 | 1/2" | 1/2" | 20 | 10 | 1 | 275 | 24750 |
| 1/2" × 15 | 25 | 1/2" | 1/2" | 25 | 15 | 1 | 225 | 20250 |
| 1/2" × 20 | 25 | 1/2" | 1/2" | 30 | 20 | 1 | 225 | 20250 |
| 1/2" × 25 | 25 | 1/2" | 1/2" | 35 | 25 | 1 | 200 | 18000 |
| 1/2" × 30 | 25 | 1/2" | 1/2" | 40 | 30 | 1 | 160 | 14400 |
| 1/2" × 40 | 25 | 1/2" | 1/2" | 50 | 40 | 1 | 140 | 12600 |
| 1/2" × 50 | 25 | 1/2" | 1/2" | 60 | 50 | 1 | 120 | 10800 |
| 1/2" × 60 | 25 | 1/2" | 1/2" | 70 | 60 | 1 | 100 | 9000 |
| 1/2" × 70 | 25 | 1/2" | 1/2" | 80 | 70 | 1 | 95 | 8550 |
| 1/2" × 80 | 25 | 1/2" | 1/2" | 90 | 80 | 1 | 85 | 7650 |
| 1/2" × 90 | 25 | 1/2" | 1/2" | 100 | 90 | 1 | 90 | 8100 |
| 1/2" × 100 | 25 | 1/2" | 1/2" | 110 | 100 | 1 | 95 | 8550 |
| 3/4" × 10 | 30.5 | 3/4" | 3/4" | 22 | 10 | 1 | 225 | 20250 |
| 3/4" × 15 | 30.5 | 3/4" | 3/4" | 27 | 15 | 1 | 200 | 18000 |
| 3/4" × 20 | 30.5 | 3/4" | 3/4" | 32 | 20 | 1 | 175 | 15750 |
| 3/4" × 25 | 30.5 | 3/4" | 3/4" | 37 | 25 | 1 | 150 | 13500 |
| 3/4" × 30 | 30.5 | 3/4" | 3/4" | 42 | 30 | 1 | 110 | 9900 |
| 3/4" × 40 | 30.5 | 3/4" | 3/4" | 52 | 40 | 1 | 100 | 9000 |
| 3/4" × 50 | 30.5 | 3/4" | 3/4" | 62 | 50 | 1 | 85 | 7650 |
| 3/4" × 60 | 30.5 | 3/4" | 3/4" | 72 | 60 | 1 | 80 | 7200 |
| 3/4" × 70 | 30.5 | 3/4" | 3/4" | 82 | 70 | 1 | 75 | 6750 |
| 3/4" × 80 | 30.5 | 3/4" | 3/4" | 92 | 80 | 1 | 65 | 5850 |
| 3/4" × 90 | 30.5 | 3/4" | 3/4" | 102 | 90 | 1 | 50 | 4500 |
| 3/4" × 100 | 30.5 | 3/4" | 3/4" | 112 | 100 | 1 | 40 | 3600 |
| 1" × 10 | 37.5 | 1" | 1" | 23 | 10 | 1 | 150 | 13500 |
| 1" × 15 | 37.5 | 1" | 1" | 28 | 15 | 1 | 120 | 10800 |
| 1" × 20 | 37.5 | 1" | 1" | 33 | 20 | 1 | 100 | 9000 |
| 1" × 25 | 37.5 | 1" | 1" | 38 | 25 | 1 | 80 | 7200 |
| 1" × 30 | 37.5 | 1" | 1" | 43 | 30 | 1 | 80 | 7200 |
| 1" × 40 | 37.5 | 1" | 1" | 53 | 40 | 1 | 70 | 6300 |
| 1" × 50 | 37.5 | 1" | 1" | 63 | 50 | 1 | 60 | 5400 |

## HS200-010
Bushings/ 内外接

| SIZE | G | G1 | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/2"×1/4" | 1/2" | 1/4" | 14.5 | 1 | 350 | 22400 |
| 1/2"×3/8" | 1/2" | 3/8" | 14.5 | 1 | 350 | 22400 |
| 3/4"×1/2" | 3/4" | 1/2" | 16 | 1 | 260 | 16640 |

## HS200-011
Cap/ 平底帽

| SIZE | G | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 1/2" | 1/2" | 12 | 1 | 400 | 25200 |
| 3/4" | 3/4" | 13.5 | 1 | 250 | 17100 |





## HS200-012
Flanged Plug/ 法兰堵头

| SIZE | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 1/2" | 1/2" | 17 | 9 | 1 | 280 | 25200 |
| 3/4" | 3/4" | 19.5 | 11 | 1 | 190 | 17100 |

## HS200-013
Extensions（MM）/ 外螺纹延伸管

| SIZE | D | G | G1 | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 1/2"×50 | 21.5 | 1/2" | 1/2" | 50 | 15 | 1 | 180 | 16200 |
| 1/2"×60 | 21.5 | 1/2" | 1/2" | 60 | 15 | 1 | 160 | 14400 |
| 1/2"×70 | 21.5 | 1/2" | 1/2" | 70 | 15 | 1 | 140 | 12600 |
| 1/2"×80 | 21.5 | 1/2" | 1/2" | 80 | 15 | 1 | 130 | 11700 |
| 1/2"×100 | 21.5 | 1/2" | 1/2" | 100 | 15 | 1 | 120 | 10800 |
| 1/2"×150 | 21.5 | 1/2" | 1/2" | 150 | 15 | 1 | 80 | 7200 |
| 1/2"×200 | 21.5 | 1/2" | 1/2" | 200 | 15 | 1 | 60 | 5400 |
| 1/2"×250 | 21.5 | 1/2" | 1/2" | 250 | 15 | 1 | 60 | 5400 |
| 3/4"×50 | 27 | 3/4" | 3/4" | 50 | 16.5 | 1 | 150 | 13500 |
| 3/4"×70 | 27 | 3/4" | 3/4" | 70 | 16.5 | 1 | 120 | 10800 |
| 3/4"×80 | 27 | 3/4" | 3/4" | 80 | 16.5 | 1 | 100 | 9000 |
| 3/4"×100 | 27 | 3/4" | 3/4" | 100 | 16.5 | 1 | 80 | 7200 |
| 3/4"×150 | 27 | 3/4" | 3/4" | 150 | 16.5 | 1 | 60 | 5400 |
| 3/4"×175 | 27 | 3/4" | 3/4" | 175 | 16.5 | 1 | 60 | 5400 |
| 3/4"×200 | 27 | 3/4" | 3/4" | 200 | 16.5 | 1 | 40 | 3600 |
| 3/4"×250 | 27 | 3/4" | 3/4" | 250 | 16.5 | 1 | 30 | 2700 |
| 1"×50 | 34 | 1" | 1" | 50 | 19 | 1 | 85 | 7650 |
| 1"×60 | 34 | 1" | 1" | 60 | 19 | 1 | 85 | 7650 |
| 1"×70 | 34 | 1" | 1" | 70 | 19 | 1 | 70 | 6300 |
| 1"×80 | 34 | 1" | 1" | 80 | 19 | 1 | 60 | 5400 |
| 1"×100 | 34 | 1" | 1" | 100 | 19 | 1 | 50 | 4500 |
| 1"×150 | 34 | 1" | 1" | 150 | 19 | 1 | 40 | 3600 |
| 1"×200 | 34 | 1" | 1" | 200 | 19 | 1 | 30 | 2700 |
| 1"×250 | 34 | 1" | 1" | 250 | 19 | 1 | 30 | 2700 |

## HS210

Brass Compression Fittings For PEX-AL-PEX Pipe

配铝塑复合管，以卡套连接为端口的管件

## HS220

Brass Press Fittings For PEX-AL-PEX Pipe

配铝塑复合管，以卡压连接为端口的管件

## HS230

Brass Compression Fittings For PEX Pipe

配 PEX 管，以卡套连接为端口的管件

HONSON®

# HS210 SERIES

1.NUT 螺帽 2.LOCK RING 开口卡圈 3.O-RING O 型圈 4.BODY 本体

## Technical Points:

1.Nut:Brass nickel plated by hot forging.

2.Lock Ring:Brass nickel plated

3.O-ring:EPDM.

4.Body:Brass nickel plated by hot forging.

## 技术要点:

1. 螺帽：黄铜锻造，镀镍

2. 开口卡圈：黄铜，镀镍

3.O 型圈：EPDM

4. 本体：黄铜锻造，镀镍

## Assembling Instructions

1.Cut the pex-al-pex pipe perpendicular to its axis using appropriate tools,remove any trimming carefully.
2.Fit the nut on the pipe.
3.Fit the ring on the pipe.
4.Before fitting the pipe,lubricate the o-rings in order to guarantee the best elasticity.
5.Fit the pipe on the body up to the meccanical stop then fit the pipe ane the insert on the fitting always up the stop end.
6.Tighten the nut by hand till it is possible then using the tool tighten the nut following the table valve indicated.

## 组装说明:

1. 用合适的工具割断 PEX-AL-PEX 管，去除所有毛刺。
2. 将螺帽套在 PEX-AL-PEX 管上。
3. 开口卡圈套在 PEX-AL-PEX 管上。
4. 将 O 型圈套在本体上。
5. 将 PEX-AL-PEX 管插入本体。
6. 用手拧紧螺帽，直到手拧不动为止，再用工具拧紧螺帽。





### HS210-001
Equal Straight/ 等径直通 C × C

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 16x16 | 16.4 | 46.5 | 1 | 300 | 10800 |
| 20x20 | 20.4 | 47.5 | 1 | 240 | 8640 |
| 25x25 | 25.4 | 51.5 | 1 | 160 | 5760 |

### HS210-002
Reducing Straight/ 异径直通 C × C

| SIZE | D | D1 | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 20×16 | 20.4 | 16.4 | 47.5 | 1 | 240 | 8640 |
| 25×16 | 25.4 | 16.4 | 50 | 1 | 160 | 5760 |
| 25×20 | 25.4 | 20.4 | 50 | 1 | 160 | 5760 |
| 32×20 | 32.4 | 20.4 | 52.5 | 1 | 112 | 4032 |
| 32×25 | 32.4 | 25.4 | 54 | 1 | 112 | 4032 |

### HS210-003
Female Straight/ 内螺纹直通 C × FI

| SIZE | D | Rp | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 20×1/2"F | 20.4 | 1/2" | 36 | 14 | 1 | 288 | 10368 |
| 20×3/4"F | 20.4 | 3/4" | 39.5 | 16.5 | 1 | 240 | 8640 |
| 25×1"F | 25.4 | 1" | 44 | 19 | 1 | 128 | 4608 |
| 32×1"F | 32.4 | 1" | 45.5 | 19 | 1 | 112 | 4032 |
| 32×1 1/4"F | 32.4 | 1 1/4" | 49.5 | 22 | 1 | 64 | 2304 |

## HS210-004
Male Straight/ 外螺纹直通 C × MI

| SIZE | D | R | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 16×1/2"M | 16.4 | 1/2" | 39.5 | 13 | 1 | 448 | 16128 |
| 20×1/2"M | 20.4 | 1/2" | 39.5 | 13 | 1 | 288 | 10368 |
| 20×3/4"M | 20.4 | 3/4" | 40.5 | 14 | 1 | 256 | 9216 |
| 25×3/4"M | 25.4 | 3/4" | 43.5 | 14 | 1 | 160 | 5760 |
| 25×1"M | 25.4 | 1" | 47 | 17 | 1 | 128 | 4608 |
| 32×1"M | 32.4 | 1" | 48.5 | 17 | 1 | 112 | 4032 |
| 32×1 1/4"M | 32.4 | 1 1/4" | 51 | 19.5 | 1 | 80 | 2880 |

## HS210-005
Equal Elbow/ 等径弯头 C × C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 16×16 | 16.4 | 34 | 34 | 1 | 256 | 9216 |
| 20×20 | 20.4 | 36.5 | 36.5 | 1 | 176 | 6336 |
| 25×25 | 25.4 | 43 | 43 | 1 | 112 | 4032 |
| 32×32 | 32.4 | 46 | 46 | 1 | 64 | 2304 |

## HS210-006
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | Rp | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 16×1/2"F | 16.4 | 1/2" | 35.5 | 21 | 14 | 1 | 256 | 9216 |
| 20×1/2"F | 20.4 | 1/2" | 36.5 | 21 | 14 | 1 | 224 | 8064 |
| 20×3/4"F | 20.4 | 3/4" | 39.5 | 24 | 16.5 | 1 | 192 | 6912 |
| 25×3/4"F | 25.4 | 3/4" | 42 | 26 | 16.5 | 1 | 128 | 4608 |
| 25×1"F | 25.4 | 1" | 44.5 | 28 | 19 | 1 | 80 | 2880 |
| 32×1"F | 32.4 | 1" | 47.5 | 30.5 | 19 | 1 | 80 | 2880 |





## HS210-007
Male Elbow/ 外螺纹弯头 C × MI

| SIZE | D | R | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 16×1/2"M | 16.4 | 1/2" | 34.5 | 27 | 13 | 1 | 256 | 9216 |
| 25×1"M | 25.4 | 1" | 43 | 37.5 | 17 | 1 | 128 | 4608 |
| 32×1"M | 32.4 | 1" | 46.5 | 40 | 17 | 1 | 80 | 2880 |

## HS210-008
Wallplate Elbow/ 内螺纹墙体阀 C × FI

| SIZE | D | Rp | L | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 16×1/2"F | 16.4 | 1/2" | 35.5 | 37 | 19 | 14 | 1 | 128 | 4608 |
| 16×3/4"F | 16.4 | 3/4" | 38.5 | 39.5 | 21.5 | 16.5 | 1 | 96 | 3456 |
| 20×1/2"F | 20.4 | 1/2" | 36.5 | 39 | 21 | 14 | 1 | 96 | 3456 |

## HS210-009
Wallplate Elbow/ 内螺纹墙体阀 C × FI

| SIZE | D | Rp | L | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 16×1/2"F | 16.4 | 1/2" | 35.5 | 47 | 24 | 14 | 1 | 128 | 4608 |
| 20×1/2"F | 20.4 | 1/2" | 36.5 | 51 | 25 | 14 | 1 | 128 | 4608 |

**HS210-010**

HS210-010 Wallplate Elbow/ 内螺纹墙体阀 C×C×FI

| SIZE | D | Rp | L | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 16×1/2"F×16 | 16.4 | 1/2" | 35.5 | 47 | 24 | 14 | 1 | 96 | 3456 |
| 20×1/2"F×20 | 20.4 | 1/2" | 36.5 | 51 | 25 | 14 | 1 | 96 | 3456 |

**HS210-011**

Equal Tee/ 等径三通 C×C×C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 16×16×16 | 16.4 | 38 | 34 | 1 | 144 | 5184 |
| 20×20×20 | 20.4 | 72 | 36 | 1 | 112 | 4032 |
| 25×25×25 | 25.4 | 80 | 40 | 1 | 80 | 2880 |
| 32×32×32 | 32.4 | 92 | 46 | 1 | 32 | 1152 |

**HS210-012**

Reducing Tee/ 异径三通 C×C×C

| SIZE | D | D1 | D2 | L1 | L2 | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 20×16×16 | 20.4 | 16.4 | 16.4 | 32 | 30 | 36 | 1 | 96 | 3456 |
| 20×16×20 | 20.4 | 20.4 | 16.4 | 32 | 32 | 36 | 1 | 96 | 3456 |
| 20×20×16 | 20.4 | 16.4 | 20.4 | 36 | 33 | 36 | 1 | 96 | 3456 |
| 20×25×20 | 20.4 | 20.4 | 25.4 | 39.5 | 39.5 | 36 | 1 | 96 | 3456 |
| 25×16×16 | 25.4 | 16.4 | 16.4 | 34 | 30 | 39 | 1 | 96 | 3456 |
| 25×16×20 | 25.4 | 20.4 | 16.4 | 34 | 32 | 39 | 1 | 96 | 3456 |
| 25×16×25 | 25.4 | 25.4 | 16.4 | 34 | 34 | 39 | 1 | 96 | 3456 |
| 25×20×16 | 25.4 | 16.4 | 20.4 | 36 | 33 | 39.5 | 1 | 80 | 2880 |
| 25×20×20 | 25.4 | 20.4 | 20.4 | 36 | 34 | 39.5 | 1 | 80 | 2880 |
| 25×20×25 | 25.4 | 25.4 | 20.4 | 36 | 36 | 39.5 | 1 | 80 | 2880 |
| 25×32×25 | 25.4 | 25.4 | 32.4 | 44.5 | 44.5 | 42 | 1 | 64 | 2304 |
| 32×16×25 | 32.4 | 25.4 | 16.4 | 37 | 34 | 43 | 1 | 48 | 1728 |
| 32×16×32 | 32.4 | 32.4 | 16.4 | 37 | 37 | 43 | 1 | 48 | 1728 |
| 32×20×20 | 32.4 | 20.4 | 20.4 | 39 | 34 | 43.5 | 1 | 48 | 1728 |
| 32×20×25 | 32.4 | 25.4 | 20.4 | 39 | 35 | 43.5 | 1 | 48 | 1728 |
| 32×20×32 | 32.4 | 32.4 | 20.4 | 39 | 39 | 43.5 | 1 | 48 | 1728 |
| 32×25×25 | 32.4 | 25.4 | 25.4 | 42 | 37 | 44.5 | 1 | 48 | 1728 |
| 32×25×32 | 32.4 | 32.4 | 25.4 | 42 | 42 | 44.5 | 1 | 48 | 1728 |





# HS220 SERIES

## Technical Points:

1.Sleeve:Stainless steel.

2.Sleeve seat:Polypropylene.

3.O-ring:EPDM.

4.Body:Brass nickel plated by hot forging.

## 技术要点：

1. 钢套：不锈钢

2. 钢套座：塑料

3.O 型圈：EPDM

4. 本体：黄铜锻造，镀镍

## Assmbling Instructions

1.Cut the pipe with the suitable cutter and make sure cutting in the perpendicular direction.
2.Deburr the pipe end with the calibrating tool.
3.Insert the pipe fully into the fitting ,check the availability visually from the inspection window.
4.Put the fitting, to ensure the pressing jaw against completely with the plastic collar.
5.Pressing the fitting in a regular power,then done.

## 组装说明：

1. 按实际需要，将管材切断，并尽量保持切面与切管器垂直。
2. 使用撑管器将管材断面修复，使其光滑平整。
3. 将管材直接完全插入管件内，并通过观察孔检查。
4. 将管件放入卡压工具内，保证夹头与定位圈充分相抵。
5. 均匀用力，闭合卡压工具，完成压接。

## HS220-001
Equal Straight/ 等径直通 C × C

| SIZE | D | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 16×16 | 16.4 | 51 | 24.5 | 1 | 256 | 9216 |
| 20×20 | 20.4 | 51 | 24.5 | 1 | 192 | 6912 |
| 25×25 | 25.4 | 67 | 32.5 | 1 | 128 | 4608 |
| 32×32 | 32.4 | 68 | 32.5 | 1 | 80 | 2880 |

## HS220-002
Reducing Straight/ 异径直通 C × C

| SIZE | D | D1 | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 20×16 | 20.4 | 16.4 | 51 | 24.5 | 24.5 | 1 | 240 | 8640 |
| 25×16 | 25.4 | 16.4 | 59 | 32.5 | 24.5 | 1 | 240 | 8640 |
| 25×20 | 25.4 | 20.4 | 59 | 32.5 | 24.5 | 1 | 160 | 5760 |
| 32×20 | 32.4 | 20.4 | 59 | 32.5 | 24.5 | 1 | 128 | 4608 |
| 32×25 | 32.4 | 25.4 | 67 | 32.5 | 32.5 | 1 | 94 | 3384 |
| 40×25 | 40.4 | 25.4 | 76.5 | 41 | 32.5 | 1 | 64 | 2304 |

## HS220-003
Female Straight/ 内螺纹直通 C × FI

| SIZE | D | Rp | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 16×1/2"F | 16.4 | 1/2" | 41 | 24.5 | 14 | 1 | 192 | 6912 |
| 20×1/2"F | 20.4 | 1/2" | 41 | 24.5 | 14 | 1 | 192 | 6912 |
| 20×3/4"F | 20.4 | 3/4" | 43.5 | 24.5 | 16.5 | 1 | 160 | 5760 |
| 25×1"F | 25.4 | 1" | 54.5 | 32.5 | 19 | 1 | 128 | 4608 |
| 32×1"F | 32.4 | 1" | 54.5 | 32.5 | 19 | 1 | 128 | 4608 |
| 40×1 1/4"F | 40.4 | 1 1/4" | 67 | 41 | 22 | 1 | 64 | 2304 |
| 40×1 1/2"F | 40.4 | 1 1/2" | 67 | 41 | 22 | 1 | 48 | 1728 |





## HS220-004
Male Straight/ 外螺纹直通 C × MI

| SIZE | D | R | L | L1 | L2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 16×1/2"M | 16.2 | 1/2" | 43.5 | 24.5 | 13 | 1 | 288 | 10368 |
| 20×1/2"M | 16.2 | 1/2" | 43.5 | 24.5 | 13 | 1 | 240 | 8640 |
| 20×3/4"M | 18.2 | 3/4" | 46 | 24.5 | 14.5 | 1 | 160 | 5760 |
| 25×1"M | 20.2 | 1" | 57.5 | 32.5 | 17 | 1 | 96 | 3456 |
| 32×1"M | 20.2 | 1" | 57.5 | 32.5 | 17 | 1 | 128 | 4608 |
| 40×1 1/2"M | 25.2 | 1 1/2" | 70 | 41 | 19 | 1 | 64 | 2304 |

## HS220-005
Equal Elbow/ 等径弯头 C × C

| SIZE | D | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 16×16 | 16.2 | 34.5 | 24.5 | 34.5 | 24.5 | 1 | 176 | 6336 |
| 20×20 | 20.2 | 38 | 24.5 | 38 | 24.5 | 1 | 144 | 5184 |
| 25×25 | 25.2 | 48 | 32.5 | 48 | 32.5 | 1 | 96 | 3456 |
| 32×32 | 32.2 | 52.5 | 32.5 | 52.5 | 32.5 | 1 | 48 | 1728 |

## HS220-006
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | Rp | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 16×1/2"F | 16.4 | 1/2" | 40.5 | 24.5 | 20.5 | 14 | 1 | 240 | 8640 |
| 20×1/2"F | 20.4 | 1/2" | 40.5 | 24.5 | 22 | 14 | 1 | 144 | 5184 |
| 20×3/4"F | 20.4 | 3/4" | 43.5 | 24.5 | 24.5 | 16.5 | 1 | 144 | 5184 |
| 25×3/4"F | 25.4 | 3/4" | 51.5 | 32.5 | 26 | 16.5 | 1 | 128 | 4608 |
| 25×1"F | 25.4 | 1" | 55 | 28 | 24.5 | 19 | 1 | 96 | 3456 |
| 32×1"F | 32.4 | 1" | 55 | 31 | 25.5 | 19 | 1 | 64 | 2304 |

## HS220-007
Male Elbow/ 外螺纹弯头 C × MI

| SIZE | D | R | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 16×1/2"M | 16.4 | 1/2" | 38 | 24.5 | 28 | 13 | 1 | 160 | 5760 |
| 20×1/2"M | 20.4 | 1/2" | 38 | 24.5 | 28 | 13 | 1 | 144 | 5184 |
| 25×1"M | 25.4 | 1" | 52.5 | 32.5 | 38 | 17 | 1 | 80 | 2880 |
| 32×1"M | 32.4 | 1" | 52.5 | 32.5 | 41 | 17 | 1 | 64 | 2304 |

## HS220-008
Wallplate Elbow/ 内螺纹墙体阀 C × FI

| SIZE | D | Rp | L | L1 | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|---|
| 16×1/2"F | 16.4 | 1/2" | 39 | 24.5 | 47 | 24 | 14 | 1 | 128 | 4608 |
| 20×1/2"F | 20.4 | 1/2" | 39 | 24.5 | 51 | 25 | 14 | 1 | 128 | 4608 |

## HS220-009
Wallplate Elbow/ 内螺纹墙体阀 C × C × FI

| SIZE | D | Rp | L | L1 | H | H1 | H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|---|
| 16×1/2"F×16 | 16.4 | 1/2" | 39 | 24.5 | 47 | 24 | 14 | 1 | 96 | 3456 |
| 20×1/2"F×20 | 20.4 | 1/2" | 39 | 24.5 | 51 | 25 | 14 | 1 | 96 | 3456 |





## HS220-010
Equal Tee/ 等径三通 C × C × C

| SIZE | D | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 16×16×16 | 16.4 | 69 | 24.5 | 34.5 | 24.5 | 1 | 128 | 4608 |
| 20×20×20 | 20.4 | 76 | 24.5 | 38 | 24.5 | 1 | 96 | 3456 |
| 25×25×25 | 25.4 | 94 | 32.5 | 47 | 32.5 | 1 | 48 | 1728 |
| 32×32×32 | 32.4 | 104 | 32.5 | 50.5 | 32.5 | 1 | 32 | 1152 |

## HS220-011
Reducing Tee/ 异径三通 C × C × C

| SIZE | D | D1 | D2 | L | L1 | L2 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16×20×16 | 16.4 | 20.4 | 16.4 | 73 | 24.5 | 24.5 | 34.5 | 24.5 | 1 | 96 | 3456 |
| 20×16×16 | 20.4 | 16.4 | 16.4 | 73 | 24.5 | 24.5 | 37.5 | 24.5 | 1 | 96 | 3456 |
| 20×16×20 | 20.4 | 16.4 | 20.4 | 71 | 24.5 | 24.5 | 37.5 | 24.5 | 1 | 96 | 3456 |
| 20×25×16 | 20.4 | 25.4 | 16.4 | 78 | 24.5 | 24.5 | 44.5 | 32.5 | 1 | 96 | 3456 |
| 25×16×16 | 25.4 | 16.4 | 16.4 | 82.5 | 32.5 | 24.5 | 39 | 24.5 | 1 | 96 | 3456 |
| 25×16×25 | 25.4 | 16.4 | 25.4 | 87 | 32.5 | 32.5 | 39 | 24.5 | 1 | 96 | 3456 |
| 25×20×16 | 25.4 | 20.4 | 16.4 | 81 | 32.5 | 24.5 | 39 | 24.5 | 1 | 96 | 3456 |
| 25×20×20 | 25.4 | 20.4 | 20.4 | 81 | 32.5 | 24.5 | 39 | 24.5 | 1 | 96 | 3456 |
| 25×20×25 | 25.4 | 20.4 | 25.4 | 89 | 32.5 | 32.5 | 39 | 24.5 | 1 | 96 | 3456 |
| 25×32×20 | 25.4 | 32.4 | 20.4 | 94 | 32.5 | 24.5 | 47 | 32.5 | 1 | 48 | 1728 |
| 25×32×25 | 25.4 | 32.4 | 25.4 | 101 | 32.5 | 32.5 | 47 | 32.5 | 1 | 48 | 1728 |
| 32×16×25 | 32.4 | 16.4 | 25.4 | 93 | 32.5 | 32.5 | 43.5 | 24.5 | 1 | 48 | 1728 |
| 32×16×32 | 32.4 | 16.4 | 32.4 | 91 | 32.5 | 32.5 | 43.5 | 24.5 | 1 | 48 | 1728 |
| 32×20×20 | 32.4 | 20.4 | 20.4 | 84 | 32.5 | 24.5 | 42.5 | 24.5 | 1 | 64 | 2304 |
| 32×20×25 | 32.4 | 20.4 | 25.4 | 92 | 32.5 | 32.5 | 42.5 | 24.5 | 1 | 32 | 1152 |
| 32×20×32 | 32.4 | 20.4 | 32.4 | 91 | 32.5 | 32.5 | 43.5 | 24.5 | 1 | 32 | 1152 |
| 32×25×16 | 32.4 | 25.4 | 16.4 | 86 | 32.5 | 24.5 | 50.5 | 32.5 | 1 | 32 | 1152 |
| 32×25×20 | 32.4 | 25.4 | 20.4 | 86 | 32.5 | 24.5 | 50.5 | 32.5 | 1 | 48 | 1152 |
| 32×25×25 | 32.4 | 25.4 | 25.4 | 94 | 32.5 | 32.5 | 50.5 | 32.5 | 1 | 32 | 1152 |
| 32×25×32 | 32.4 | 25.4 | 32.4 | 94 | 32.5 | 32.5 | 50.5 | 32.5 | 1 | 32 | 1152 |
| 40×20×25 | 40.4 | 20.4 | 25.4 | 99.5 | 41 | 32.5 | 47.5 | 24.5 | 1 | 32 | 1152 |
| 40×20×32 | 40.4 | 20.4 | 32.4 | 99.5 | 41 | 32.5 | 47.5 | 24.5 | 1 | 32 | 1152 |
| 40×20×40 | 40.4 | 20.4 | 40.4 | 108 | 41 | 41 | 47.5 | 24.5 | 1 | 32 | 1152 |
| 40×25×20 | 40.4 | 25.4 | 20.4 | 94.5 | 41 | 24.5 | 54.5 | 32.5 | 1 | 32 | 1152 |
| 40×25×32 | 40.4 | 25.4 | 32.4 | 102.5 | 41 | 32.5 | 54.5 | 32.5 | 1 | 32 | 1152 |

## HS220-012
Female Tee/ 内螺纹三通 C × C × FI

| SIZE | D | Rp | L | L1 | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|---|
| 16×1/2"F×16 | 16.4 | 1/2" | 81 | 24.5 | 20.5 | 14 | 1 | 160 | 5760 |
| 20×1/2"F×20 | 20.4 | 1/2" | 81 | 24.5 | 22 | 14 | 1 | 128 | 4608 |

# HS230 SERIES

## Technical Points:

1.Body:Brass by hot forging.

2.Lock Ring:Brass

3.Nut:Brass by hot forging.

## 技术要点：

1. 本体：黄铜锻造

2. 开口卡圈：黄铜

3. 螺帽：黄铜锻造

## Assembling Instructions

1.Cut the pex-pipe perpendicual to its axis using using appropriate tools,remove any trimming carefully.

2.Fit the nut on the pipe.

3.Fit the ring on the pipe.

4.Fit the pipe on the body up to the meccanical stop.

5.Tighten the nut by hand till is possible then using the tool tighten the nut following the table valve indicated.

## 组装说明：

1. 用合适的工具割断 PEX 管，去除所有毛刺。
2. 将螺帽套在 PEX 管上。
3. 开口卡圈套在 PEX 管上。
4. 将 PEX 管插入本体。
5. 用手拧紧螺帽，直到手拧不动为止，再用工具拧紧螺帽。





### HS230-001

Equal Straight/ 等径直通 C × C

| SIZE | D | L | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|
| 12×12×2.0 | 12.4 | 42 | 10 | 360 | 23040 |
| 15×15×2.5 | 15.4 | 42 | 10 | 330 | 21120 |
| 18×18×2.5 | 18.4 | 50 | 10 | 190 | 12160 |
| 22×22×3.0 | 22.4 | 50 | 10 | 130 | 8320 |

### HS230-002

Female Straight/ 内螺纹直通 C × FI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 12×1/2"F×2.0 | 12.4 | 1/2" | 33.5 | 13.5 | 10 | 430 | 27520 |
| 15×1/2"F×2.5 | 15.4 | 1/2" | 34 | 13.5 | 10 | 360 | 23040 |
| 18×1/2"F×2.5 | 18.4 | 1/2" | 37.5 | 13.5 | 10 | 230 | 14720 |
| 18×3/4"F×2.5 | 18.4 | 3/4" | 37.5 | 14 | 10 | 190 | 12160 |
| 22×3/4"F×3.0 | 22.4 | 3/4" | 37.5 | 14 | 10 | 170 | 10880 |

### HS230-003

Male Straight/ 外螺纹直通 C × MI

| SIZE | D | G | L | L1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|
| 12×3/8"M×2.0 | 12.4 | 3/8" | 33.5 | 10.5 | 10 | 450 | 28800 |
| 12×1/2"M×2.0 | 12.4 | 1/2" | 34.5 | 10.5 | 10 | 430 | 27520 |
| 18×3/4"M×2.5 | 18.4 | 3/4" | 40 | 12 | 10 | 200 | 12800 |
| 22×3/4"M×3.0 | 22.4 | 3/4" | 40 | 12 | 10 | 180 | 11520 |

## HS230-004
Equal Elbow/ 等径弯头 C × C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 15×15×2.5 | 15.4 | 32 | 32 | 10 | 240 | 15360 |
| 18×18×2.5 | 18.4 | 36 | 36 | 10 | 180 | 11520 |
| 22×22×3.0 | 22.4 | 39.5 | 39.5 | 10 | 120 | 7680 |

## HS230-005
Female Elbow/ 内螺纹弯头 C × FI

| SIZE | D | G | L | H | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 12×1/2"F×2.0 | 12.4 | 1/2" | 31.5 | 28.5 | 13.5 | 10 | 280 | 17920 |
| 15×1/2"F×2.5 | 15.4 | 1/2" | 33.5 | 33.5 | 16 | 10 | 230 | 14720 |

## HS230-006
Wallplate Elbow/ 内螺纹墙体阀 C × FI

| SIZE | D | G | L | H | H1 |
|---|---|---|---|---|---|
| 15x1/2"Fx2.5 | 15.4 | 1/2" | 33.5 | 38 | 23 |

| H2 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|
| 13.5 | 10 | 150 | 9600 |





## HS230-007
Equal Tee/ 等径三通 C × C × C

| SIZE | D | L | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|
| 18×18×18×2.5 | 18.4 | 73 | 36 | 10 | 100 | 6400 |
| 22×22×22×3.0 | 22.4 | 79 | 39.5 | 10 | 60 | 3840 |

## HS230-008
Female Tee/ 内螺纹三通 C × C × FI

| SIZE | D | G | L | H | H1 | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|---|---|---|---|
| 22×22×3/4"F×3.0 | 22.4 | 3/4" | 79 | 35.5 | 14 | 10 | 60 | 3840 |

## HS230-009
Manifold Fittings/ 分水器

| SIZE | D | G | G1 | L | L1 | L2 | L3 |
|---|---|---|---|---|---|---|---|
| 15×3/4"×2×2.5 | 15.4 | 3/4" | 3/4" | 87 | 15 | 13 | 36 |
| 15×3/4"×3×2.5 | 15.4 | 3/4" | 3/4" | 123 | 15 | 13 | 36 |
| 15×3/4"×4×2.5 | 15.4 | 3/4" | 3/4" | 159 | 15 | 13 | 36 |

| N | H | Pcs/Bag | Pcs/Carton | Pcs/Pallet |
|---|---|---|---|---|
| 1 | 35.5 | 5 | 80 | 5120 |
| 2 | 35.5 | 5 | 50 | 3200 |
| 3 | 35.5 | 5 | 40 | 2560 |

# HS240 SERIES

## Specification:

1.Insert for fittings conform to F1807
2.Fittings with soldering or brazing end comform to ASME B16.22
3.NPT male thread，NPSM female thread
4.Thread conform to ANSI/ASME B1.20.1

## Material:

Forged C46500 brass

## Suitable Pipe:

PEX pipe(SDR9)

Insrt For Fittings Size

| SIZE | Nominal Dimension and Tolerance | | | | |
|---|---|---|---|---|---|
| | A(mm) | | B(mm) | | C(mm) |
| 3/8" | Φ8.76 | ±0.1 | 5.85 | +0.1 | MIN16.0 |
| 1/2" | Φ11.96 | ±0.1 | 8.89 | +0.1 | MIN16.0 |
| 5/8" | Φ14.48 | ±0.1 | 11.46 | +0.1 | MIN16.0 |
| 3/4" | Φ16.94 | ±0.1 | 13.47 | +0.1 | MIN16.0 |
| 1" | Φ21.74 | ±0.1 | 18.04 | +0.1 | MIN20.5 |
| 1 1/4" | Φ26.54 | ±0.1 | 22.1 | +0.1 | MIN24.0 |
| 1 1/2" | Φ31.32 | ±0.15 | 25.91 | +0.15 | MIN29.0 |
| 2" | Φ40.69 | ±0.15 | 34.68 | +0.15 | MIN38.0 |





### HS240-001
Equal Couplings and Reducing Couplings

| SIZE | | |
|---|---|---|
| 3/8"x3/8" | 1/2"x3/8" | 1 1/2"x1 1/4" |
| 1/2"x1/2" | 3/4"x1/2" | 2"x1" |
| 5/8"x5/8" | 3/4"x5/8" | 2"x1 1/4" |
| 3/4"x3/4" | 1"x3/4" | 2"x1 1/2" |
| 1"x1" | 1 1/4"x3/4" | |
| 1 1/4"x1 1/4" | 1 1/4"x1" | |
| 1 1/2"x1 1/2" | 1 1/2"x3/4" | |
| 2"x2" | 1 1/2"x1" | |

### HS240-002
Threaded Female Adapters

| SIZE | | |
|---|---|---|
| 3/8"x1/2"F | 3/4"x3/4"F | 1 1/2"x1 1/2"F |
| 1/2"x1/2"F | 3/4"x1"F | 2"x2"F |
| 1/2"x3/4"F | 1"x3/4"F | |
| 5/8"x1/2"F | 1"x1"F | |
| 5/8"x3/4"F | 1 1/4"x1"F | |
| 3/4"x1/2"F | 1 1/4"x1 1/4"F | |

### HS240-003
Threaded Male Adapters

| SIZE | | |
|---|---|---|
| 3/8"x1/2"M | 3/4"x3/4"M | 1 1/2"x1 1/2"M |
| 1/2"x1/2"M | 3/4"x1"M | 2"x2"M |
| 1/2"x3/4"M | 1"x3/4"M | |
| 5/8"x1/2"M | 1"x1"M | |
| 5/8"x3/4"M | 1 1/4"x1"M | |
| 3/4"x1/2"M | 1 1/4"x1 1/4"M | |

## HS240-004
Sweat Female Adapters

| SIZE | | |
|---|---|---|
| 3/8"x1/2"F | 3/4"x3/4"F | 1 1/2"x1 1/2"F |
| 1/2"x1/2"F | 3/4"x1"F | 2"x2"F |
| 1/2"x3/4"F | 1"x3/4"F | |
| 5/8"x1/2"F | 1"x1"F | |
| 5/8"x3/4"F | 1 1/4"x1"F | |
| 3/4"x1/2"F | 1 1/4"x1 1/4"F | |

## HS240-005
Sweat Male Adapters

| SIZE | | |
|---|---|---|
| 3/8"x1/2"M | 3/4"x3/4"M | 1 1/2"x1 1/2"M |
| 1/2"x1/2"M | 3/4"x1"M | 2"x2"M |
| 1/2"x3/4"M | 1"x3/4"M | |
| 5/8"x1/2"M | 1"x1"M | |
| 5/8"x3/4"M | 1 1/4"x1"M | |
| 3/4"x1/2"M | 1 1/4"x1 1/4"M | |

## HS240-006
Equal Elbows and Reducing Elbows

| SIZE | |
|---|---|
| 3/8"x3/8" | 1 1/2"x1 1/2" |
| 1/2"x1/2" | 2"x2" |
| 5/8"x5/8" | 1/2"x3/8" |
| 3/4"x3/4" | 3/4"x1/2" |
| 1"x1" | 3/4"x5/8" |
| 1 1/4"x1 1/4" | 1"x3/4" |





## HS240-007
Threaded Female Elbows

| SIZE | | |
|---|---|---|
| 3/8"x1/2"F | 3/4"x3/4"F | 1 1/2"x1 1/2"F |
| 1/2"x1/2"F | 3/4"x1"F | 2"x2"F |
| 1/2"x3/4"F | 1"x3/4"F | |
| 5/8"x1/2"F | 1"x1"F | |
| 5/8"x3/4"F | 1 1/4"x1"F | |
| 3/4"x1/2"F | 1 1/4"x1 1/4"F | |

## HS240-008
Threaded Male Elbows

| SIZE | | |
|---|---|---|
| 3/8"x1/2"M | 3/4"x3/4"M | 1 1/2"x1 1/2"M |
| 1/2"x1/2"M | 3/4"x1"M | 2"x2"M |
| 1/2"x3/4"M | 1"x3/4"M | |
| 5/8"x1/2"M | 1"x1"M | |
| 5/8"x3/4"M | 1 1/4"x1"M | |
| 3/4"x1/2"M | 1 1/4"x1 1/4"M | |

## HS240-009
Sweat Female Elbows

| SIZE |
|---|
| 3/8"x1/2"F |
| 1/2"x1/2"F |
| 1/2"x3/4"F |
| 5/8"x3/4"F |
| 3/4"x1/2"F |
| 3/4"x3/4"F |
| 1"x1"F |

## HS240-010
Sweat Male Elbows

| SIZE |
|---|
| 1/2"x1/2"M |
| 1/2"x3/4"M |
| 5/8"x3/4"M |
| 3/4"x3/4"M |
| 1"x1"M |

## HS240-011
Wallplate Elbow

| SIZE |
|---|
| 3/8"x1/2"F |
| 1/2"x3/8"F |
| 1/2"x1/2"F |
| 3/4"x1/2"F |
| 3/4"x3/4"F |

## HS240-012
Equal Tees and Reducing Tees

| SIZE | | |
|---|---|---|
| 3/8"x3/8"x3/8" | 3/4"x3/4"x1" | 1 1/2"x1 1/4"x1" |
| 1/2"x1/2"x1/2" | 1"x3/4"x1" | 1 1/2"x1 1/4"x1 1/4" |
| 5/8"x5/8"x5/8" | 1"x1"x1/2" | 1 1/2"x1 1/2"x1/2" |
| 3/4"x3/4"x3/4" | 1"x1"x3/4" | 1 1/2"x1 1/2"x3/4" |
| 1"x1"x1" | 1"x3/4"x3/4" | 1 1/2"x1 1/2"x1" |
| 1 1/4"x1 1/4"x1 1/4" | 1"x3/4"x1/2" | 1 1/2"x1 1/2"x1 1/4" |
| 1 1/2"x1 1/2"x1 1/2" | 1"x1/2"x3/4" | 2"x1 1/4"x1 1/4" |
| 2"x2"x2" | 1"x1/2"x1" | 2"x1 1/2"x3/4" |
| 3/8"x3/8"x1/2" | 1 1/4"x1"x3/4" | 2"x1 1/2"x1" |
| 1/2"x3/8"x3/8" | 1 1/4"x1"x1" | 2"x1 1/2"x1 1/4" |
| 1/2"x3/8"x1/2" | 1 1/4"x1 1/4"x1/2" | 2"x1 1/2"x1 1/2" |
| 1/2"x1/2"x3/8" | 1 1/4"x1 1/4"x3/4" | 2"x2"x1/2" |
| 1/2"x1/2"x3/4" | 1 1/4"x1 1/4"x1" | 2"x2"x3/4" |
| 3/4"x3/4"x3/8" | 1 1/2"x3/4"x3/4" | 2"x2"x1" |
| 3/4"x1/2"x1/2" | 1 1/2"x1"x3/4" | 2"x2"x1 1/4" |
| 3/4"x1/2"x3/4" | 1 1/2"x1"x1" | 2"x2"x1 1/2" |
| 3/4"x3/4"x1/2" | 1 1/2"x1 1/4"x3/4" | |





## HS240-013
Swivel Adapters With Brass Nut

| SIZE |
|---|
| 3/8"x3/8"F |
| 3/8"x1/2"F |
| 1/2"x1/2"F |
| 1/2"x3/4"F |
| 3/4"x3/4"F |
| 3/4"x1"F |
| 1"x1"F |

## HS240-014
Swivel Adapters With Plastic Nut

| SIZE |
|---|
| 3/8"x3/8"F |
| 3/8"x1/2"F |
| 1/2"x1/2"F |
| 1/2"x3/4"F |
| 3/4"x3/4"F |
| 3/4"x1"F |
| 1"x1"F |

## HS240-015
Swivel Elbows With Plastic Nut

| SIZE |
|---|
| 3/8"x3/8"F |
| 3/8"x1/2"F |
| 1/2"x1/2"F |
| 1/2"x3/4"F |
| 3/4"x3/4"F |

**HS240-016**
Plugs

| SIZE |
|---|
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 1" |
| 1 1/4" |
| 1 1/2" |
| 2" |

**HS240-017**
Polybutelene Adapters(With PB Crimp Ring)

| SIZE |
|---|
| 3/8" |
| 1/2" |
| 3/4" |





# HS250 SERIES

## Information

We offers a wide variety of pipe fittings and nipples. Nipples are available in a variety of lengths and thread sizes and fittings are offered in a number of configurations using both male and female pipe threads. All tapered pipe threads are manufactured to the highest quality standards and tolerances.
Our pipe fittings and nipples are recommended for use with brass, copper, or iron pipe. They are commonly used on oil, natural gas, water, and air lines.

## Installation instructions

Place Teflon® tape on the male pipe threads and screw the thread into the female fitting until threads stop and the connection becomes tight. Do not over tighten.

## Specifications

Temperature: -65°F to 250°F
Working Pressure: 1,000psi on all barstock fittings and 125psi on all cast fittings at the temperature range stated above.

| Medium | Threads per Inch |
|---|---|
| $^1/_8$" | 27 |
| $^1/_4$" | 18 |
| $^3/_8$" | 18 |
| $^1/_2$" | 14 |
| $^3/_4$" | 14 |
| 1" | $11^1/_2$ |
| $1^1/_4$" | $11^1/_2$ |
| $1^1/_2$" | $11^1/_2$ |
| 2" | $11^1/_2$ |

**HS250-001**
Female Couplings

| SIZE |
|---|
| 1/8"F x 1/8"F |
| 1/4"F x 1/4"F |
| 3/8"F x 3/8"F |
| 1/2"F x 1/2"F |
| 3/4"F x 3/4"F |
| 1"F x 1"F |

**HS250-002**
Female Couplings

| SIZE |
|---|
| 1/8"F x 1/8"F |
| 1/4"F x 1/4"F |
| 3/8"F x 3/8"F |
| 1/2"F x 1/2"F |
| 3/4"F x 3/4"F |

**HS250-003**
Female Reducing Couplings

| SIZE | |
|---|---|
| 1/4"F x 1/8"F | 1/2"F x 3/8"F |
| 3/8"F x 1/8"F | 3/4"F x 3/8"F |
| 3/8"F x 1/4"F | 3/4"F x 1/2"F |
| 1/2"F x 1/8"F | 1"F x 1/2"F |
| 1/2"F x 1/4"F | 1"F x 3/4"F |





**HS250-004**
Hex Nipples

| SIZE |
|---|
| 1/8"Mx1/8"M |
| 1/4"Mx1/4"M |
| 3/8"Mx3/8"M |
| 1/2"Mx1/2"M |
| 3/4"Mx3/4"M |

**HS250-005**
Reducing Hex Nipples

| SIZE |
|---|
| 1/4"M x 1/8"M |
| 3/8"M x 1/8"M |
| 3/8"M x 1/4"M |
| 1/2"M x 1/8"M |
| 1/2"M x 1/4"M |
| 1/2"M x 3/8"M |
| 3/4"M x 1/2"M |

**HS250-006**
Male to Female Couplings

| SIZE | |
|---|---|
| 1/8"Mx1/8"F | 1/8"Mx3/8"F |
| 1/4"Mx1/4"F | 1/4"Mx3/8"F |
| 3/8"Mx3/8"F | 1/4"Mx1/2"F |
| 1/2"Mx1/2"F | 3/8"Mx1/2"F |
| 3/4"Mx3/4"F | 1/2"Mx3/4"F |
| 1/8"Mx1/4"F | |

## HS250-007
Female Elbows

| SIZE |
|---|
| 1/8"Fx1/8"F |
| 1/4"Fx1/4"F |
| 3/8"Fx3/8"F |
| 1/2"Fx1/2"F |
| 3/4"Fx3/4"F |
| 1"Fx1"F |

## HS250-008
Male to Female Elbows

| SIZE |
|---|
| 1/8"Mx1/8"F |
| 1/4"Mx1/4"F |
| 3/8"Mx3/8"F |
| 1/2"Mx1/2"F |
| 3/4"Mx3/4"F |
| 1"Mx1"F |

## HS250-009
Male to Female 45° Street Elbows

| SIZE |
|---|
| 1/8"Mx1/8"F |
| 1/4"Mx1/4"F |
| 3/8"Mx3/8"F |
| 1/2"Mx1/2"F |
| 3/4"Mx3/4"F |
| 1"Mx1"F |





## HS250-010
Female Tees and Rducing Tees

| SIZE | |
|---|---|
| 1/8"Fx1/8"Fx1/8"F | 3/4"Fx3/4"Fx3/4"F |
| 1/4"Fx1/4"Fx1/4"F | 1"Fx1"Fx1"F |
| 3/8"Fx3/8"Fx3/8"F | 3/8"Fx3/8"Fx1/4"F |
| 1/2"Fx1/2"Fx1/2"F | 1/2"Fx1/2"Fx3/8"F |

## HS250-011
Female Union

| SIZE |
|---|
| 1/8"Fx1/8"F |
| 1/4"Fx1/4"F |
| 3/8"Fx3/8"F |
| 1/2"Fx1/2"F |
| 3/4"Fx3/4"F |
| 1"Fx1"F |

## HS250-012
Bushings

| SIZE | |
|---|---|
| 1/4"Mx1/8"F | 3/4"Mx1/8"F |
| 3/8"Mx1/8"F | 3/4"Mx1/4"F |
| 3/8"Mx1/4"F | 3/4"Mx3/8"F |
| 1/2"Mx1/8"F | 3/4"Mx1/2"F |
| 1/2"Mx1/4"F | 1"Mx1/2"F |
| 1/2"Mx3/8"F | 1"Mx3/4"F |

**HS250-013**
Hex Head Plug

| SIZE |
|---|
| 1/8"M |
| 1/4"M |
| 3/8"M |
| 1/2"M |
| 3/4"M |

**HS250-014**
Square Head Plugs

| SIZE |
|---|
| 1/8"M |
| 1/4"M |
| 3/8"M |
| 1/2"M |
| 3/4"M |
| 1"M |

**HS250-015**
Female Caps

| SIZE |
|---|
| 1/8"F |
| 1/4"F |
| 3/8"F |
| 1/2"F |
| 3/4"F |





**HS250-016**
Allen Head Plugs

| SIZE |
|---|
| 1/8"F |
| 1/4"F |
| 3/8"F |
| 1/2"F |

**HS250-017**
Face Bushings

| SIZE |
|---|
| 3/8"Mx1/4"F |
| 1/2"Mx3/8"F |
| 3/4"Mx1/2"F |

**HS250-018**
Spacer Nipples

| SIZE | |
|---|---|
| 1/8"M | 1"M |
| 1/4"M | 1 1/4"M |
| 3/8"M | 1 1/2"M |
| 1/2"M | 2"M |
| 3/4"M | |

**HS250-013**
Hex Head Plug

| SIZE | | |
|---|---|---|
| 1/8"Mx1 1/2"L | 1/4"Mx5"L | 1/2"Mx3 1/2"L |
| 1/8"Mx2"L | 1/4"Mx5 1/2"L | 1/2"Mx4"L |
| 1/8"Mx2 1/2"L | 1/4"Mx6"L | 1/2"Mx4 1/2"L |
| 1/8"Mx3"L | 3/8"Mx1 1/2"L | 1/2"Mx5"L |
| 1/8"Mx3 1/2"L | 3/8"Mx2"L | 1/2"Mx5 1/2"L |
| 1/8"Mx4"L | 3/8"Mx2 1/2"L | 1/2"Mx6"L |
| 1/8"Mx4 1/2"L | 3/8"Mx3"L | 3/4"Mx1 1/2"L |
| 1/8"Mx5"L | 3/8"Mx3 1/2"L | 3/4"Mx2"L |
| 1/8"Mx5 1/2"L | 3/8"Mx4"L | 3/4"Mx2 1/2"L |
| 1/8"Mx6"L | 3/8"Mx4 1/2"L | 3/4"Mx3"L |
| 1/4"Mx1 1/2"L | 3/8"Mx5"L | 3/4"Mx3 1/2"L |
| 1/4"Mx2"L | 3/8"Mx5 1/2"L | 3/4"Mx4"L |
| 1/4"Mx2 1/2"L | 3/8"Mx6"L | 3/4"Mx4 1/2"L |
| 1/4"Mx3"L | 1/2"Mx1 1/2"L | 3/4"Mx5"L |
| 1/4"Mx3 1/2"L | 1/2"Mx2"L | 3/4"Mx5 1/2"L |
| 1/4"Mx4"L | 1/2"Mx2 1/2"L | 3/4"Mx6"L |
| 1/4"Mx4 1/2"L | 1/2"Mx3"L | |

# HS260 SERIES

## Information

We offers a wide variety of flare fittings including Standard 45º, Inverted 45º, POL, Gas Range, and Fine Thread ($^{9}/_{16}$" x 24) for space heater applications.
Flare fittings are designed for higher pressure applications and are commonly used for gasoline, grease, oil, water, vacuum, air lines, L.P., and natural gas. Flare fittings can also be used for refrigeration, air conditioning, and other applications involving hard to hold liquids and gases using forged nuts.
Recommended for use with copper, brass, aluminum, and welded steel hydraulic tubing that can be flared. Not recommended for use with polybutylene or soft plastic tubing.

## Installation instructions

Cut tubing square and put nut onto tubing. Flare tubing with 45º flaring tool and hand tighten nut over flare and onto fitting body. Wrench tighten for positive metal-to-metal seal. Do not over tighten.

## Specifications

Temperature: -65°F to 250°F
Working Pressure: Temperature and type of tubing must be considered for proper fitting selection.
The following is based on 70°F with copper tube. POL and Gas Fittings have a maximum working pressure of 250psi.

| Copper Tube OD | Tube Wall Inches | Psi(Flare Fittings) |
|---|---|---|
| $^{1}/_{8}$" | 0.030 | 2800 |
| $^{3}/_{16}$" | 0.030 | 1900 |
| $^{1}/_{4}$" | 0.030 | 1400 |
| $^{5}/_{16}$" | 0.032 | 1200 |
| $^{3}/_{8}$" | 0.032 | 900 |
| $^{1}/_{2}$" | 0.032 | 700 |
| $^{5}/_{8}$" | 0.035 | 640 |
| $^{3}/_{4}$" | 0.035 | 550 |
| $^{7}/_{8}$" | 0.035 | 450 |

## Thread Sizes

| Fitting | 45° and Inverted | POL | Gas | Fine Thread |
|---|---|---|---|---|
| $^{1}/_{8}$" | $^{5}/_{16}$"x24 | | | |
| $^{3}/_{16}$" | $^{3}/_{8}$"x24 | | | |
| $^{1}/_{4}$" | $^{7}/_{16}$"x24 | .880-14LHTx$^{1}/_{4}$"F | | $^{9}/_{16}$"x24 |
| $^{5}/_{16}$" | $^{1}/_{2}$"x24 | | | |
| $^{3}/_{8}$" | $^{9}/_{16}$"x24 | .880-14LHTx$^{3}/_{8}$"F | | $^{9}/_{16}$"x24 |
| $^{7}/_{16}$" | $^{5}/_{8}$"x24 | | | |
| $^{1}/_{2}$" | $^{11}/_{16}$"x20 | .880-14LHTx$^{1}/_{2}$"F | $^{5}/_{16}$"x$^{1}/_{2}$" | |
| $^{5}/_{8}$" | 1$^{3}/_{16}$"x18 | | $^{5}/_{16}$"x$^{5}/_{8}$" | |
| $^{3}/_{4}$" | 1"x18 | | $^{5}/_{16}$"x$^{3}/_{4}$" | |
| $^{7}/_{8}$" | 1$^{1}/_{8}$"x18 | | | |





### HS260-001
Flare to Flare Union

| SIZE |
|---|
| 1/4" |
| 5/16" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |

### HS260-002
Flare to Flare Reducing Union

| SIZE |
|---|
| 3/8"x1/4" |
| 1/2"x1/4" |
| 1/2"x3/8" |
| 5/8"x3/8" |
| 5/8"x1/2" |
| 3/4"x3/8" |
| 3/4"x1/2" |
| 3/4"x5/8" |

### HS260-003
Flare to Female Couplings

| SIZE | |
|---|---|
| 1/4"x1/8"F | 3/8"x3/4"F |
| 1/4"x1/4"F | 1/2"x3/8"F |
| 1/4"x3/8"F | 1/2"x1/2"F |
| 1/4"x1/2"F | 1/2"x3/4"F |
| 5/16"x1/4"F | 5/8"x1/2"F |
| 3/8"x1/4"F | 5/8"x3/4"F |
| 3/8"x3/8"F | 3/4"x3/4"F |
| 3/8"x1/2"F | 7/8"x3/4"F |

## HS260-004
Flare to Male Couplings

| SIZE | | |
|---|---|---|
| 1/4"x1/8"M | 3/8"x1/4"M | 5/8"x3/8"M |
| 1/4"x1/4"M | 3/8"x3/8"M | 5/8"x1/2"M |
| 1/4"x3/8"M | 3/8"x1/2"M | 5/8"x3/4"M |
| 1/4"x1/2"M | 3/8"x3/4"M | 3/4"x3/4"M |
| 5/16"x1/8"M | 1/2"x3/8"M | 7/8"x3/4"M |
| 5/16"x1/4"M | 1/2"x1/2"M | |
| 3/8"x1/8"M | 1/2"x3/4"M | |

## HS260-005
Flare to Flare Elbows

| SIZE |
|---|
| 1/4" |
| 5/16" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |

## HS260-006
Flare to Female Elbows

| SIZE | |
|---|---|
| 1/4"x1/4"F | 1/2"x1/2"F |
| 1/4"x3/8"F | 1/2"x3/4"F |
| 3/8"x3/8"F | 5/8"x1/2"F |
| 3/8"x1/2"F | 5/8"x3/4"F |
| 1/2"x3/8"F | 7/8"x3/4"F |





## HS260-007
Flare to Male Elbows

| SIZE | |
|---|---|
| 1/4"x1/8"M | 1/2"x3/8"M |
| 1/4"x1/4"M | 1/2"x1/2"M |
| 3/8"x1/8"M | 5/8"x1/2"M |
| 3/8"x1/4"M | 5/8"x3/4"M |
| 3/8"x3/8"M | 7/8"x3/4"M |
| 3/8"x1/2"M | |

## HS260-008
Flare 3–End Tee and Reducing Tee

| SIZE | |
|---|---|
| 1/4" | 3/8"x3/8"x1/4" |
| 3/8" | 1/2"x1/2"x3/8" |
| 1/2" | 5/8"x5/8"x3/8" |
| 5/8" | 5/8"x5/8"x1/2" |
| 3/4" | |

## HS250-009
Flare Plugs

| SIZE |
|---|
| 1/4" |
| 5/16" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |

## HS260-010
Flare to Flare Swivel

| SIZE |
|---|
| 1/4" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |

# HS270、HS280 SERIES

## Information

Our brass compression fittings are ideal for use with copper, brass, aluminum, or plastic tubing and are commonly used on gasoline, grease, oil, water, vacuum, and air lines. Our compression fittings are not recommended for use with steel tube.

## Installation instructions

Cut tubing square on the end. Start tubing on the insert and slide into the fitting until it hits the stop. Wrench tighten approxi-mately $1^1/_2$" to 2 turns beyond hand tight. Do not over tighten.

## Specifications

Temperature: -65°F to 250°F
Working Pressure: Temperature and type of tubing must be considered for proper fitting selection.
The following is based on 70°F with copper tube.

| Copper Tube OD | Tube Wall Inches | Psi(Ander–Lign) | Psi(Standard) |
|---|---|---|---|
| $^1/_8$" | 0.030 | 2800 | 400 |
| $^3/_{16}$" | 0.030 | 1900 | 400 |
| $^1/_4$" | 0.030 | 1400 | 300 |
| $^5/_{16}$" | 0.032 | 1200 | 300 |
| $^3/_8$" | 0.032 | 900 | 200 |
| $^1/_2$" | 0.032 | 700 | 200 |
| $^5/_8$" | 0.035 | 640 | 150 |
| $^3/_4$" | 0.035 | 550 | 100 |
| $^7/_8$" | 0.035 | 450 | 75 |

## Thread Sizes

| Fitting | Thread Size |
|---|---|
| $^1/_8$" | $^5/_{16}$"x24 |
| $^3/_{16}$" | $^3/_8$"x24 |
| $^1/_4$" | $^7/_{16}$"x24 |
| $^5/_{16}$" | $^1/_2$"x24 |
| $^3/_8$" | $^9/_{16}$"x24 |
| $^7/_{16}$" | $^5/_8$"x24 |
| $^1/_2$" | $^{11}/_{16}$"x20 |
| $^5/_8$" | $1^3/_{16}$"x18 |
| $^3/_4$" | 1"x18 |
| $^7/_8$" | $1^1/_8$"x18 |





### HS270-001
Union

| SIZE |
|---|
| 1/8" |
| 3/16" |
| 1/4" |
| 5/16" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |

### HS270-002
Reducing Union

| SIZE |
|---|
| 1/4"x1/8" |
| 1/4"x3/16" |
| 3/8"x1/4" |
| 5/16"x1/4" |
| 1/2"x3/8" |
| 5/8"x3/8" |
| 5/8"x1/2" |

### HS270-003
Female Connector

| SIZE | | |
|---|---|---|
| 1/8"x1/8"F | 5/16"x3/8"F | 1/2"x3/4"F |
| 3/16"x1/8"F | 3/8"x1/8"F | 5/8"x3/8"F |
| 3/16"x1/4"F | 3/8"x1/4"F | 5/8"x1/2"F |
| 1/4"x1/8"F | 3/8"x3/8"F | 5/8"x3/4"F |
| 1/4"x1/4"F | 3/8"x1/2"F | 3/4"x1/2"F |
| 1/4"x3/8"F | 3/8"x3/4"F | 3/4"x3/4"F |
| 1/4"x1/2"F | 1/2"x1/4"F | 7/8"x1/2"F |
| 5/16"x1/8"F | 1/2"x3/8"F | 7/8"x3/4"F |
| 5/16"x1/4"F | 1/2"x1/2"F | |

## HS270-004
Male Connector

| SIZE | | |
|---|---|---|
| 1/8"x1/8"M | 5/16"x3/8"M | 1/2"x3/4"M |
| 3/16"x1/8"M | 3/8"x1/8"M | 5/8"x3/8"M |
| 3/16"x1/4"M | 3/8"x1/4"M | 5/8"x1/2"M |
| 1/4"x1/8"M | 3/8"x3/8"M | 5/8"x3/4"M |
| 1/4"x1/4"M | 3/8"x1/2"M | 3/4"x1/2"M |
| 1/4"x3/8"M | 3/8"x3/4"M | 3/4"x3/4"M |
| 1/4"x1/2"M | 1/2"x1/4"M | 7/8"x1/2"M |
| 5/16"x1/8"M | 1/2"x3/8"M | 7/8"x3/4"M |
| 5/16"x1/4"M | 1/2"x1/2"M | |

## HS270-005
Equal Elbow

| SIZE |
|---|
| 1/8" |
| 3/16" |
| 1/4" |
| 5/16" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |

## HS270-006
Female Elbow

| SIZE | | |
|---|---|---|
| 1/8"x1/8"F | 5/16"x1/4"F | 1/2"x1/2"F |
| 3/16"x1/8"F | 5/16"x3/8"F | 1/2"x3/4"F |
| 3/16"x1/4"F | 3/8"x1/8"F | 5/8"x3/8"F |
| 1/4"x1/8"F | 3/8"x1/4"F | 5/8"x1/2"F |
| 1/4"x1/4"F | 3/8"x3/8"F | 5/8"x3/4"F |
| 1/4"x3/8"F | 3/8"x1/2"F | 3/4"x1/2"F |
| 1/4"x1/2"F | 1/2"x1/4"F | 3/4"x3/4"F |
| 5/16"x1/8"F | 1/2"x3/8"F | 7/8"x3/4"F |





## HS270-007
Male Elbow

| SIZE | | |
|---|---|---|
| 1/8"x1/8"M | 5/16"x1/4"M | 1/2"x1/2"M |
| 3/16"x1/8"M | 5/16"x3/8"M | 1/2"x3/4"M |
| 3/16"x1/4"M | 3/8"x1/8"M | 5/8"x3/8"M |
| 1/4"x1/8"M | 3/8"x1/4"M | 5/8"x1/2"M |
| 1/4"x1/4"M | 3/8"x3/8"M | 5/8"x3/4"M |
| 1/4"x3/8"M | 3/8"x1/2"M | 3/4"x1/2"M |
| 1/4"x1/2"M | 1/2"x1/4"M | 3/4"x3/4"M |
| 5/16"x1/8"M | 1/2"x3/8"M | 7/8"x3/4"M |

## HS270-008
3–End Tee

| SIZE |
|---|
| 1/8" |
| 3/16" |
| 1/4" |
| 5/16" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |

## HS270-009
Male Tee

| SIZE |
|---|
| 1/4"x1/4"x1/4"M |
| 3/8"x3/8"x1/4"M |
| 3/8"x3/8"x3/8"M |
| 1/2"x1/2"x3/8"M |
| 1/2"x1/2"x1/2"M |

## HS280-001
Union with Brass Insert

| SIZE |
|---|
| 1/8" |
| 3/16" |
| 1/4" |
| 5/16" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |

## HS280-002
Reducing Union with Brass Insert

| SIZE |
|---|
| 5/16"x1/4" |
| 3/8"x1/4" |
| 1/2"x1/4" |
| 1/2"x3/8" |
| 5/8"x3/8" |
| 5/8"x1/2" |
| 7/8"x5/8" |

## HS280-003
Female Connector with Brass Insert

| SIZE | |
|---|---|
| 1/4"x1/8"F | 3/8"x1/2"F |
| 1/4"x1/4"F | 1/2"x3/8"F |
| 1/4"x3/8"F | 1/2"x1/2"F |
| 1/4"x1/2"F | 5/8"x1/2"F |
| 5/16"x1/4"F | 5/8"x3/4"F |
| 3/8"x1/4"F | 7/8"x3/4"F |
| 3/8"x3/8"F | |





## HS280-004
Male Connector with Brass Insert

| SIZE | | |
|---|---|---|
| 1/8"x1/8"M | 3/8"x1/8"M | 5/8"x3/8"M |
| 3/16"x1/8"M | 3/8"x1/4"M | 5/8"x1/2"M |
| 1/4"x1/8"M | 3/8"x3/8"M | 5/8"x3/4"M |
| 1/4"x1/4"M | 3/8"x1/2"M | 3/4"x1/2"M |
| 1/4"x3/8"M | 3/8"x3/4"M | 3/4"x3/4"M |
| 1/4"x1/2"M | 1/2"x3/8"M | 7/8"x1/2"M |
| 5/16"x1/8"M | 1/2"x1/2"M | 7/8"x3/4"M |
| 5/16"x1/4"M | 1/2"x3/4"M | |

## HS280-005
Equal Elbow with Brass Insert

| SIZE |
|---|
| 1/4" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |

## HS280-006
Male Elbow with Brass Insert

| SIZE |
|---|
| 1/4"x1/8"M |
| 1/4"x1/4"M |
| 3/8"x1/4"M |
| 3/8"x3/8"M |
| 3/8"x1/2"M |
| 1/2"x3/8"M |
| 1/2"x1/2"M |
| 5/8"x3/8"M |
| 5/8"x1/2"M |

**HS280-007**
3–End Tee with Brass Insert

| SIZE |
|---|
| 1/4" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |
| 7/8" |

**HS280-008**
3–End Reducing Tee with Brass Insert

| SIZE |
|---|
| 3/8"x3/8"x1/4"M |
| 7/8"x7/8"x5/8"M |





# HS290 SERIES

## Information

We offers a variety of styles of hose barb fittings including elbows, tees, and adaptors. Hose barb fittings can be used with any tubing soft enough to accept a clamp style connection including vinyl and rubber.

## Installation instructions

Cut tubing square and slide hose clamp onto the hose end. Push the barbed fitting into the hose until the end of the hose reaches the hex or stop ring, a non-petroleum lubricant may be used to assist in inserting the fitting into the tube. Move hose clamp over hose and barb and tighten the clamp with the appropriate tool (depending on the style of clamp) until a positive connection is made. Do not over tighten.

## Specifications

Temperature: -40°F to 160°F
Working Pressure: 150psi. Do not exceed the recommended pressure rating of the tubing used.

**HS290-001**
Hose Barb Splicer

| SIZE |
|---|
| 1/8" |
| 3/16" |
| 1/4" |
| 5/16" |
| 3/8" |
| 1/2" |
| 5/8" |
| 3/4" |

**HS290-002**
Hose Barb to Female Adaptor

| SIZE | |
|---|---|
| 1/8"x1/8"F | 3/8"x1/8"F |
| 1/8"x1/4"F | 3/8"x1/4"F |
| 3/16"x1/8"F | 3/8"x3/8"F |
| 3/16"x1/4"F | 3/8"x1/2"F |
| 1/4"x1/8"F | 1/2"x1/4"F |
| 1/4"x1/4"F | 1/2"x3/8"F |
| 1/4"x3/8"F | 1/2"x1/2"F |
| 5/16"x1/4"F | |

**HS290-003**
Hose Barb to Male Adaptor

| SIZE | | |
|---|---|---|
| 1/8"x1/8"M | 5/16"x1/8"M | 1/2"x3/8"M |
| 1/8"x1/4"M | 5/16"x1/4"M | 1/2"x1/2"M |
| 3/16"x1/8"M | 5/16"x3/8"M | 1/2"x3/4"M |
| 3/16"x1/4"M | 3/8"x1/8"M | 5/8"x3/8"M |
| 1/4"x1/8"M | 3/8"x1/4"M | 5/8"x1/2"M |
| 1/4"x1/4"M | 3/8"x3/8"M | 5/8"x3/4"M |
| 1/4"x3/8"M | 3/8"x1/2"M | 3/4"x1/2"M |
| 1/4"x1/2"M | 1/2"x1/4"M | 3/4"x3/4"M |