



## COPPER SOLDER FITTINGS LÖTFITTINGS AUS KUPFER RACCORDS A SOUDER EN CUIVRE RACORES PARA SOLDAR DE COBRE ФИТИНГИ ПОД СВАРКУ ИЗ МЕДИ



### 1. Introduction

FRABO 5000 is the Cu-DHP (material CW024A in compliance with EN 1412) copper solder fitting series, available in a dimensional range between 6 and 133 mm and realized in compliance with EN 1254-1 European standard. This standard contains material, tolerances and application parameters; for different application, please, contact our technical office.

### 1. Einführung

FRABO 5000 ist eine Serie bestehend aus Cu-DHP-KupferlötfitTINGS (Material CW024A nach EN 1412), die im Abmessungsbereich von 6 bis 133 mm erhältlich sind und den Anforderungen der europäischen Norm EN 1254-1 entsprechen. Diese Norm regelt Materialien, Toleranzen und Anwendungsparameter; Für verschiedene Anwendungen wenden Sie sich bitte an das technische Büro.

### 1. Présentation

FRABO 5000 est une série constituée par des raccords à souder en cuivre Cu-DHP (matériau CW024A selon la norme EN 1412) disponible dans la gamme dimensionnelle entre 6 et 133 mm et réalisée en conformité avec la norme européenne EN 1254-1. Cette norme réglemente les matériaux, les tolérances et les paramètres d'emploi; pour des applications différentes, nous vous prions de contacter notre service technique.

### 1. Presentación

FRABO 5000 es una serie de racores para soldar de cobre Cu-DHP (material CW024A según la norma EN 1412) disponible en la gama dimensional desde 6 hasta 133 mm y realizada según las exigencias de la norma europea EN 1254-1. Esta norma regula materiales, tolerancias y parámetros de utilización; para aplicaciones diferentes, por favor, contacten la oficina técnica.

### 1. Описание

FRABO 5000 - серия фитингов под сварку из меди Cu-DHP (материал CW024A в соответствии с EN 1412), размерный ряд от 6 до 133 mm, произведена в соответствии с требованиями европейского стандарта EN 1254-1. Этот стандарт регулирует материалы, допуски и параметры использования; в случае иного применения, пожалуйста, свяжитесь с техническим отделом.

### 2. Advantages

- Complete range.
- High-quality raw material.
- Fitting tolerances with copper pipe are carefully tested to guarantee an optimum fit and that all junctions are welded quickly and safely.

### 2. Vorteile

- Vollständigkeit des Sortiments.
- Hochwertiges Vormaterial.
- Genaue Überprüfung der Kupplungstoleranzen mit dem Kupferrohr, um eine schnelle und sichere Ausführung der Schweißverbindungen sicherzustellen.

### 2. Avantages

- Gamme complète.
- Matières premières de haute qualité.
- Vérification approfondie des tolérances de jonction avec tube en cuivre pour garantir les meilleures conditions de «capillarité» et la réalisation des jonctions soudées rapides et sécurées.

## 2. Ventajas

- Completitud de la gama.
- Material de alta calidad.
- Verificación precisa de las tolerancias del apareamiento con el tubo de cobre para garantizar las mejores condiciones de “capilaridad” y la realización de conexiones soldadas con rapidez y seguridad.

## 2. Преимущества

- Широкая гамма продукции.
- Сырье высокого качества.
- Тщательная проверка допусков в соединении с медной трубой для обеспечения лучших условий для «капиллярности» и быстрого выполнения надежного сварного соединения.

## 3. Applications

FRABO 5000 fittings are suitable for a big number of applications both in civil and industrial installations: heating and cooling system, drinking water, gas distribution systems, chilled water, compressed-air, fuel oils, solar installations and thermal power stations.

## 3. Anwendungsbereiche

Die Fittings der FRABO 5000 Serie können für eine Vielzahl von Anwendungen im Anlagenbau eingesetzt werden: Heiz- und Kühlsysteme, Trinkwasser, Gasverteilungssysteme, Kühlwasser, Druckluft, Diesel oder Öl Brennstoffe, Solaranlagen und Wärmekraftwerke.

## 3. Champs d'emploi

Les raccords de la gamme FRABO 5000 sont utilisables pour un grand nombre d'emploi dans le secteurs civils et industriels: installations de chauffage et de refroidissement, d'eau potable, de distribution de gaz, d'eau réfrigérée, d'air comprimé, de gazole ou carburants, installations solaires et centrales thermiques.

## 3. Aplicaciones

Los racores de la gama FRABO 5000 se pueden utilizar en una gran cantidad de aplicaciones en el sector de las instalaciones civiles y industriales: instalaciones de calefacción y refrigeración, de agua potable, sistemas de distribución de gas, de agua refrigerada, de aire comprimido, de gasóleo o de fuelóleos, instalaciones solares y centrales térmicas.

## 3. Области применения

Фитинги серии FRABO 5000 могут широко применяться в инженерных системах в гражданском и промышленном строительстве: системах отопления и охлаждения, сантехнического и питьевого водоснабжения, газораспределения, системах охлажденной воды, сжатого воздуха, дизельного и горючего топлива, системах на солнечных коллекторах и тепловых электростанциях.



DRINKING  
WATER



HEATING



HVAC



GAS



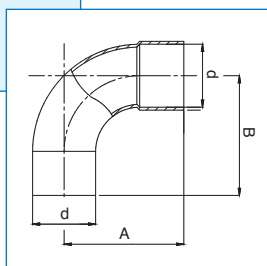
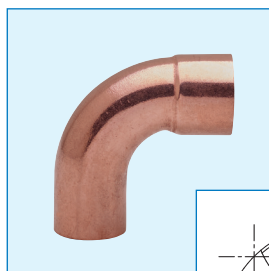
COMPRESSED  
AIR



SOLAR



INDUSTRIAL



## Art. **RR5001**

M/F 90° elbow.

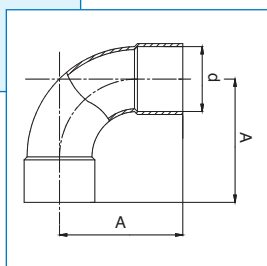
Bogen 90° I/A.

Courbe 90° M/F.

Curva 90° M/H.

Угол 90° H-B.

| d    | BAG | MASTER BOX | CODE            | A     | B     |
|------|-----|------------|-----------------|-------|-------|
| 6    | 10  | 1000       | RR5001006006000 | 15,5  | 16    |
| 8    | 25  | 1000       | RR5001008008000 | 16,5  | 18    |
| 10   | 10  | 700        | RR5001010010000 | 19,5  | 21,5  |
| 12   | 10  | 400        | RR5001012012000 | 22    | 23,5  |
| 14   | 10  | 300        | RR5001014014000 | 27    | 29    |
| 15   | 10  | 300        | RR5001015015000 | 28    | 30    |
| 16   | 10  | 240        | RR5001016016000 | 28    | 30    |
| 18   | 10  | 150        | RR5001018018000 | 31    | 33    |
| 20   | 10  | 150        | RR5001020020000 | 40    | 42    |
| 22   | 10  | 100        | RR5001022022000 | 39    | 41    |
| 25   | 10  | 80         | RR5001025025000 | 44,5  | 46,5  |
| 28   | 10  | 60         | RR5001028028000 | 49    | 51    |
| 32   | 10  | 80         | RR5001032032000 | 60    | 62    |
| 35   | 5   | 80         | RR5001035035000 | 62    | 64,5  |
| 36   | 5   | 80         | RR5001036036000 | 62    | 64,5  |
| 40   | 5   | 50         | RR5001040040000 | 73,5  | 75    |
| 42   | 5   | 40         | RR5001042042000 | 75,5  | 78    |
| 52   | 1   | 10         | RR5001052052000 | 93,5  | 96    |
| 54   | 1   | 10         | RR5001054054000 | 93    | 99    |
| 63   | 1   | 10         | RR5001063063000 | 109,5 | 112,5 |
| 64   | 1   | 5          | RR5001064064000 | 109,5 | 112,5 |
| 66,7 | 1   | 10         | RR5001067067000 | 127   | 130   |
| 76,1 | 1   | 8          | RR5001076076000 | 125   | 128   |
| 80   | 1   | 6          | RR5001080080000 | 153   | 155   |
| 88,9 | 1   | 6          | RR5001089089000 | 144,5 | 147,5 |
| 108  | 1   | 2          | RR5001108108000 | 179   | 180   |



## Art. **RR5002**

F/F 90° elbow.

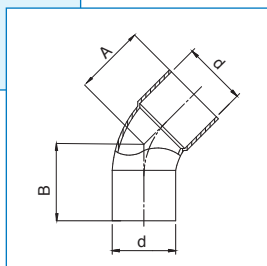
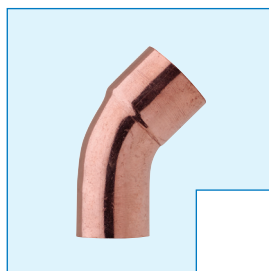
Bogen 90° I/I.

Courbe 90° F/F.

Curva 90° H/H.

Угол 90° B-B.

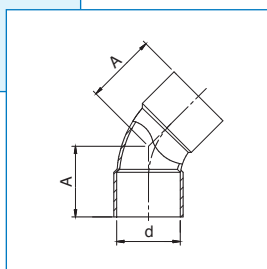
| d    | BAG | MASTER BOX | CODE            | A     |
|------|-----|------------|-----------------|-------|
| 6    | 10  | 1000       | RR5002006006000 | 15,5  |
| 8    | 10  | 1000       | RR5002008008000 | 16,5  |
| 10   | 10  | 700        | RR5002010010000 | 19,5  |
| 12   | 10  | 500        | RR5002012012000 | 22    |
| 14   | 10  | 300        | RR5002014014000 | 27    |
| 15   | 10  | 300        | RR5002015015000 | 28    |
| 16   | 10  | 200        | RR5002016016000 | 28    |
| 18   | 10  | 180        | RR5002018018000 | 31    |
| 20   | 10  | 300        | RR5002020020000 | 40    |
| 22   | 10  | 100        | RR5002022022000 | 39    |
| 25   | 10  | 150        | RR5002025025000 | 44,5  |
| 28   | 10  | 60         | RR5002028028000 | 49    |
| 32   | 5   | 80         | RR5002032032000 | 60    |
| 35   | 5   | 30         | RR5002035035000 | 62    |
| 36   | 5   | 80         | RR5002036036000 | 62    |
| 40   | 5   | 50         | RR5002040040000 | 73,5  |
| 42   | 5   | 40         | RR5002042042000 | 75,5  |
| 52   | 1   | 10         | RR5002052052000 | 93,5  |
| 54   | 1   | 10         | RR5002054054000 | 93    |
| 63   | 1   | 12         | RR5002063063000 | 109,5 |
| 64   | 1   | 6          | RR5002064064000 | 109,5 |
| 66,7 | 1   | 12         | RR5002067067000 | 127   |
| 76,1 | 1   | 8          | RR5002076076000 | 125   |
| 80   | 1   | 6          | RR5002080080000 | 153   |
| 88,9 | 1   | 6          | RR5002089089000 | 144,5 |
| 108  | 1   | 2          | RR5002108108000 | 179   |
| 133  | 1   | 1          | RR5002133133000 | 209   |



# Art. RR5040

-  M/F 45° elbow.
-  Bogen 45° I/A.
-  Courbe 45° M/F.
-  Curva 45° M/H.
-  Угол 45° H-B.

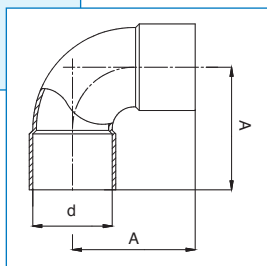
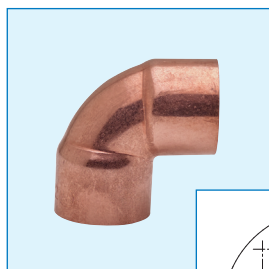
| d    | BAG | MASTER BOX | CODE            | A    | B    |
|------|-----|------------|-----------------|------|------|
| 6    | 10  | 1000       | RR5040006006000 | 14   | 19   |
| 8    | 10  | 1000       | RR5040008008000 | 14   | 19   |
| 10   | 25  | 800        | RR5040010010000 | 12   | 14   |
| 12   | 10  | 600        | RR5040012012000 | 13   | 14,5 |
| 14   | 10  | 400        | RR5040014014000 | 15   | 17   |
| 15   | 10  | 400        | RR5040015015000 | 15   | 17   |
| 16   | 10  | 500        | RR5040016016000 | 15,5 | 17,5 |
| 18   | 10  | 250        | RR5040018018000 | 18   | 20   |
| 20   | 10  | 400        | RR5040020020000 | 21   | 23   |
| 22   | 10  | 100        | RR5040022022000 | 21,5 | 23,5 |
| 28   | 10  | 80         | RR5040028028000 | 25,5 | 27,5 |
| 32   | 5   | 100        | RR5040032032000 | 31,5 | 33,5 |
| 35   | 5   | 100        | RR5040035035000 | 33   | 35   |
| 36   | 5   | 100        | RR5040036036000 | 33,5 | 35   |
| 40   | 5   | 80         | RR5040040040000 | 37   | 39   |
| 42   | 5   | 50         | RR5040042042000 | 38   | 40   |
| 52   | 5   | 10         | RR5040052052000 | 45   | 48   |
| 54   | 1   | 10         | RR5040054054000 | 46   | 48   |
| 63   | 1   | 20         | RR5040063063000 | 52,5 | 56   |
| 64   | 1   | 25         | RR5040064064000 | 62   | 64   |
| 66,7 | 1   | 15         | RR5040067067000 | 52,5 | 57   |
| 76,1 | 1   | 15         | RR5040076076000 | 58   | 62   |
| 88,9 | 1   | 5          | RR5040089089000 | 65   | 70   |
| 108  | 1   | 2          | RR5040108108000 | 79   | 82   |



# Art. RR5041

-  F/F 45° elbow.
-  Bogen 45° I/I.
-  Courbe 45° F/F.
-  Curva 45° H/H.
-  Угол 45° B-B.

| d    | BAG | MASTER BOX | CODE            | A    |
|------|-----|------------|-----------------|------|
| 6    | 10  | 1000       | RR5041006006000 | 14   |
| 8    | 10  | 1000       | RR5041008008000 | 14   |
| 10   | 10  | 800        | RR5041010010000 | 12   |
| 12   | 10  | 500        | RR5041012012000 | 13   |
| 14   | 10  | 400        | RR5041014014000 | 15   |
| 15   | 10  | 400        | RR5041015015000 | 15   |
| 16   | 10  | 500        | RR5041016016000 | 15,5 |
| 18   | 10  | 200        | RR5041018018000 | 18   |
| 20   | 10  | 350        | RR5041020020000 | 21   |
| 22   | 10  | 100        | RR5041022022000 | 21,5 |
| 25   | 10  | 200        | RR5041025025000 | 24   |
| 28   | 10  | 80         | RR5041028028000 | 25,5 |
| 32   | 10  | 100        | RR5041032032000 | 31,5 |
| 35   | 5   | 100        | RR5041035035000 | 33   |
| 36   | 5   | 100        | RR5041036036000 | 33,5 |
| 40   | 5   | 80         | RR5041040040000 | 37   |
| 42   | 5   | 50         | RR5041042042000 | 38   |
| 52   | 5   | 10         | RR5041052052000 | 45   |
| 54   | 5   | 10         | RR5041054054000 | 46   |
| 63   | 1   | 20         | RR5041063063000 | 52,5 |
| 64   | 1   | 20         | RR5041064064000 | 62   |
| 66,7 | 1   | 15         | RR5041067067000 | 52,5 |
| 76,1 | 1   | 10         | RR5041076076000 | 58   |
| 80   | 1   | 12         | RR5041080080000 | 64   |
| 88,9 | 1   | 10         | RR5041089089000 | 65   |
| 108  | 1   | 5          | RR5041108108000 | 79   |
| 133  | 1   | 2          | RR5041133133000 | 89   |



# Art. RR5090

F/F 90° elbow.

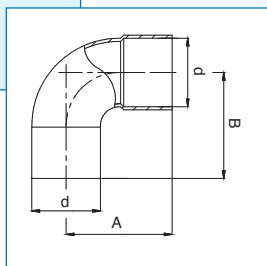
Winkel 90° I/I.

Coude 90° F/F.

Codo 90° H/H.

Угол 90° B-B.

| d    | BAG | MASTER BOX | CODE            | A     |
|------|-----|------------|-----------------|-------|
| 6    | 10  | 1500       | RR5090006006000 | 14    |
| 8    | 10  | 1500       | RR5090008008000 | 16,5  |
| 10   | 10  | 800        | RR5090010010000 | 17    |
| 12   | 10  | 500        | RR5090012012000 | 19,5  |
| 14   | 10  | 400        | RR5090014014000 | 23    |
| 15   | 25  | 300        | RR5090015015000 | 25    |
| 16   | 10  | 300        | RR5090016016000 | 24,5  |
| 18   | 10  | 200        | RR5090018018000 | 28,5  |
| 20   | 10  | 350        | RR5090020020000 | 27    |
| 22   | 10  | 130        | RR5090022022000 | 33    |
| 25   | 10  | 200        | RR5090025025000 | 30,5  |
| 28   | 10  | 60         | RR5090028028000 | 45    |
| 32   | 10  | 40         | RR5090032032000 | 40,5  |
| 35   | 5   | 40         | RR5090035035000 | 52    |
| 36   | 5   | 80         | RR5090036036000 | 42,5  |
| 40   | 5   | 50         | RR5090040040000 | 49    |
| 42   | 5   | 50         | RR5090042042000 | 59    |
| 52   | 5   | 30         | RR5090052052000 | 59,5  |
| 54   | 1   | 10         | RR5090054054000 | 60,5  |
| 63   | 1   | 6          | RR5090063063000 | 71    |
| 64   | 1   | 25         | RR5090064064000 | 72    |
| 66,7 | 1   | 10         | RR5090067067000 | 72    |
| 70   | 1   | 10         | RR5090070070000 | 72    |
| 76,1 | 1   | 8          | RR5090076076000 | 81    |
| 80   | 1   | 10         | RR5090080080000 | 86    |
| 85   | 1   | 8          | RR5090085085000 | 87    |
| 88,9 | 1   | 8          | RR5090089089000 | 92,5  |
| 108  | 1   | 5          | RR5090108108000 | 113,5 |



# Art. RR5092

M/F 90° elbow.

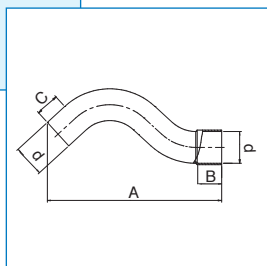
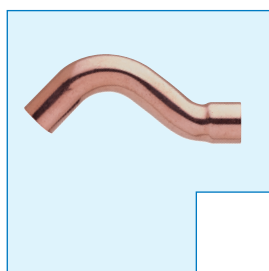
Winkel 90° I/A.

Coude 90° M/F.

Codo 90° M/H.

Угол 90° H-B.

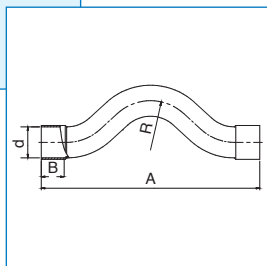
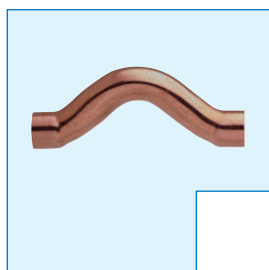
| d    | BAG | MASTER BOX | CODE            | A     | B     |
|------|-----|------------|-----------------|-------|-------|
| 6    | 10  | 1000       | RR5092006006000 | 14    | 16    |
| 8    | 25  | 1000       | RR5092008008000 | 16,5  | 18,5  |
| 10   | 10  | 500        | RR5092010010000 | 17    | 19    |
| 12   | 10  | 400        | RR5092012012000 | 19,5  | 21,5  |
| 14   | 10  | 400        | RR5092014014000 | 23    | 25    |
| 15   | 10  | 300        | RR5092015015000 | 25    | 27    |
| 16   | 10  | 300        | RR5092016016000 | 24,5  | 26,5  |
| 18   | 10  | 250        | RR5092018018000 | 28,5  | 30,5  |
| 20   | 10  | 350        | RR5092020020000 | 27    | 29,5  |
| 22   | 10  | 130        | RR5092022022000 | 33    | 35    |
| 28   | 10  | 60         | RR5092028028000 | 42    | 44    |
| 32   | 5   | 100        | RR5092032032000 | 40,5  | 44    |
| 35   | 5   | 100        | RR5092035035000 | 52    | 54    |
| 36   | 5   | 100        | RR5092036036000 | 42,5  | 46,5  |
| 40   | 5   | 50         | RR5092040040000 | 49    | 52,5  |
| 42   | 5   | 50         | RR5092042042000 | 59    | 61    |
| 52   | 1   | 10         | RR5092052052000 | 59,5  | 63,5  |
| 54   | 1   | 10         | RR5092054054000 | 65    | 70    |
| 63   | 1   | 6          | RR5092063063000 | 71    | 74    |
| 64   | 1   | 8          | RR5092064064000 | 72    | 75    |
| 66,7 | 1   | 8          | RR5092067067000 | 72    | 75    |
| 70   | 1   | 15         | RR5092070070000 | 72    | 75    |
| 76,1 | 1   | 10         | RR5092076076000 | 81    | 86    |
| 80   | 1   | 10         | RR5092080080000 | 86    | 90    |
| 88,9 | 1   | 10         | RR5092089089000 | 92,5  | 96    |
| 108  | 1   | 5          | RR5092108108000 | 113,5 | 115,5 |



## Art. RR5086

- M/F partial crossover.
- Überspringbogen I/A.
- Clarinette M/F.
- Desviación corta M/H.
- Обвод длинный H-B.

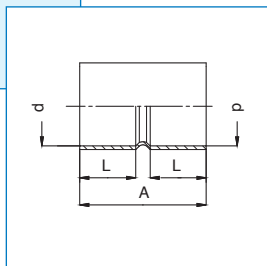
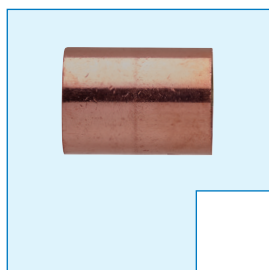
| d  | BAG | MASTER BOX | CODE            | A   | B min, | C min, |
|----|-----|------------|-----------------|-----|--------|--------|
| 12 | 10  | 150        | RR5086012012000 | 86  | 8,6    | 10,6   |
| 14 | 10  | 150        | RR5086014014000 | 91  | 10,6   | 12,6   |
| 15 | 10  | 150        | RR5086015015000 | 96  | 10,6   | 12,6   |
| 16 | 10  | 100        | RR5086016016000 | 99  | 10,6   | 12,6   |
| 18 | 10  | 100        | RR5086018018000 | 105 | 12,6   | 14,6   |
| 22 | 5   | 100        | RR5086022022000 | 123 | 15,4   | 17,4   |



## Art. RR5085

- F/F full crossover.
- Überspringbogen I/I.
- Chapeau de gendarme F/F.
- Desviación larga H/H.
- Обвод короткий H-H.

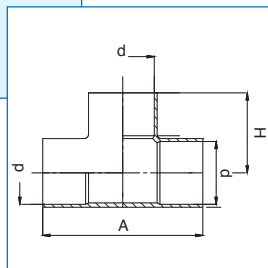
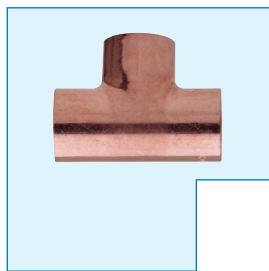
| d  | BAG | MASTER BOX | CODE            | A   | B min, | R  |
|----|-----|------------|-----------------|-----|--------|----|
| 12 | 10  | 150        | RR5085012012000 | 98  | 8,6    | 20 |
| 14 | 10  | 100        | RR5085014014000 | 113 | 10,6   | 20 |
| 15 | 10  | 180        | RR5085015015000 | 113 | 10,6   | 20 |
| 16 | 10  | 100        | RR5085016016000 | 114 | 10,6   | 20 |
| 18 | 10  | 200        | RR5085018018000 | 127 | 12,6   | 20 |
| 22 | 5   | 100        | RR5085022022000 | 136 | 15,4   | 20 |



## Art. RR5270

- F/F coupling.
- Muffe I/I.
- Manchon avec flexion F/F.
- Manguito con remante H/H.
- Муфта с упором B-B.

| d    | BAG | MASTER BOX | CODE            | A    | L min, |
|------|-----|------------|-----------------|------|--------|
| 6    | 10  | 1000       | RR5270006006000 | 14   | 5,8    |
| 8    | 25  | 1800       | RR5270008008000 | 15   | 6,8    |
| 10   | 10  | 600        | RR5270010010000 | 17   | 7,8    |
| 12   | 10  | 500        | RR5270012012000 | 19   | 8,6    |
| 14   | 10  | 350        | RR5270014014000 | 23   | 10,6   |
| 15   | 10  | 300        | RR5270015015000 | 23   | 10,6   |
| 16   | 10  | 400        | RR5270016016000 | 23   | 10,6   |
| 18   | 10  | 300        | RR5270018018000 | 27   | 12,6   |
| 20   | 10  | 550        | RR5270020020000 | 32,8 | 15,4   |
| 22   | 10  | 200        | RR5270022022000 | 32,8 | 15,4   |
| 25   | 10  | 300        | RR5270025025000 | 34,5 | 16,4   |
| 28   | 10  | 100        | RR5270028028000 | 38,5 | 18,4   |
| 32   | 10  | 200        | RR5270032032000 | 47,5 | 23     |
| 35   | 10  | 60         | RR5270035035000 | 47,5 | 23     |
| 36   | 5   | 150        | RR5270036036000 | 47,5 | 23     |
| 40   | 5   | 100        | RR5270040040000 | 55,5 | 27     |
| 42   | 5   | 100        | RR5270042042000 | 55,5 | 27     |
| 52   | 5   | 50         | RR5270052052000 | 66   | 32     |
| 54   | 5   | 50         | RR5270054054000 | 66   | 32     |
| 63   | 1   | 20         | RR5270063063000 | 71   | 32,5   |
| 64   | 5   | 30         | RR5270064064000 | 71   | 32,5   |
| 66,7 | 1   | 40         | RR5270067067000 | 73   | 33,5   |
| 70   | 1   | 40         | RR5270070070000 | 73   | 33,5   |
| 75   | 1   | 1          | RR5270075075000 | 73   | 33,5   |
| 76,1 | 1   | 10         | RR5270076076000 | 73   | 33,5   |
| 80   | 1   | 15         | RR5270080080000 | 79   | 35,5   |
| 88,9 | 1   | 24         | RR5270089089000 | 81   | 37,5   |
| 108  | 1   | 9          | RR5270108108000 | 101  | 47,5   |



## Art. RR5130

F/F/F tee.

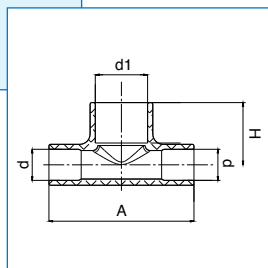
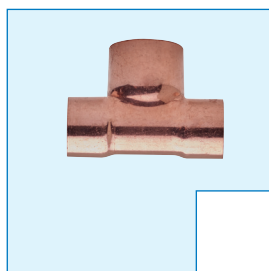
T-Stück I/I/I.

Té F/F/F.

T H/H/H.

Тройник В-В-В.

| d   | BAG | MASTER BOX | CODE            | A   | H    |
|-----|-----|------------|-----------------|-----|------|
| 6   | 10  | 750        | RR5130006006006 | 23  | 11   |
| 8   | 10  | 1400       | RR5130008008008 | 23  | 13   |
| 10  | 10  | 1000       | RR5130010010010 | 29  | 14   |
| 12  | 10  | 400        | RR5130012012012 | 32  | 17   |
| 14  | 10  | 300        | RR5130014014014 | 37  | 18   |
| 15  | 10  | 250        | RR5130015015015 | 37  | 19,5 |
| 16  | 10  | 200        | RR5130016016016 | 37  | 20   |
| 18  | 10  | 140        | RR5130018018018 | 45  | 22,5 |
| 20  | 10  | 250        | RR5130020020020 | 53  | 26,5 |
| 22  | 10  | 80         | RR5130022022022 | 55  | 28   |
| 25  | 10  | 130        | RR5130025025025 | 60  | 31,5 |
| 28  | 10  | 40         | RR5130028028028 | 66  | 34   |
| 32  | 10  | 80         | RR5130032032032 | 81  | 39   |
| 35  | 5   | 70         | RR5130035035035 | 83  | 43   |
| 36  | 5   | 80         | RR5130036036036 | 86  | 44   |
| 40  | 5   | 50         | RR5130040040040 | 96  | 48   |
| 42  | 5   | 40         | RR5130042042042 | 98  | 48   |
| 52  | 1   | 10         | RR5130052052052 | 121 | 62,5 |
| 54  | 1   | 10         | RR5130054054054 | 120 | 62   |
| 63  | 1   | 12         | RR5130063063063 | 141 | 70,5 |
| 64  | 1   | 12         | RR5130064064064 | 134 | 71   |
| 67  | 1   | 10         | RR5130067067067 | 138 | 69   |
| 70  | 1   | 5          | RR5130070070070 | 155 | 77,5 |
| 76  | 1   | 9          | RR5130076076076 | 148 | 75   |
| 80  | 1   | 8          | RR5130080080080 | 164 | 82   |
| 89  | 1   | 5          | RR5130089089089 | 182 | 91   |
| 108 | 1   | 3          | RR5130108108108 | 216 | 109  |



## Art. RR5130

F/F/F side reduced symmetrical tee.

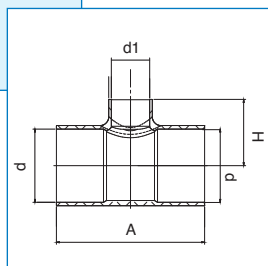
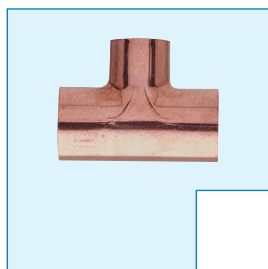
T-Stück reduziert symmetrical Seite I/I/I.

Té réduit latéral symétrique F/F/F.

T reducido lateral simétrico H/H/H.

Тройник с уменьшенным боковым отверстием симметричный В-В-В.

| dx1xd    | BAG | MASTER BOX | CODE            | A    | H    |
|----------|-----|------------|-----------------|------|------|
| 6x8x6    | 10  | 600        | RR5130006008006 | 26   | 12   |
| 6x10x6   | 10  | 500        | RR5130006010006 | 28   | 14   |
| 8x10x8   | 10  | 600        | RR5130008010008 | 31   | 15   |
| 10x12x10 | 10  | 500        | RR5130010012010 | 33   | 16   |
| 10x15x10 | 10  | 300        | RR5130010015010 | 33   | 18,5 |
| 12x14x12 | 10  | 300        | RR5130012014012 | 34,5 | 18,5 |
| 12x15x12 | 10  | 300        | RR5130012015012 | 34,5 | 18,5 |
| 12x16x12 | 10  | 300        | RR5130012016012 | 37   | 19,5 |
| 12x18x12 | 10  | 300        | RR5130012018012 | 48   | 22   |
| 12x22x12 | 10  | 250        | RR5130012022012 | 52   | 26   |
| 14x16x14 | 10  | 250        | RR5130014016014 | 39   | 19,5 |
| 14x18x14 | 10  | 150        | RR5130014018014 | 42,5 | 21   |
| 14x20x14 | 10  | 200        | RR5130014020014 | 45   | 24   |
| 14x22x14 | 10  | 250        | RR5130014022014 | 45   | 25   |
| 15x18x15 | 10  | 300        | RR5130015018015 | 42   | 22   |
| 15x22x15 | 10  | 250        | RR5130015022015 | 47   | 26   |
| 15x28x15 | 10  | 100        | RR5130015028015 | 55   | 30   |
| 16x18x16 | 10  | 300        | RR5130016018016 | 42   | 22   |
| 16x20x16 | 10  | 250        | RR5130016020016 | 43   | 25   |
| 16x22x16 | 10  | 250        | RR5130016022016 | 43   | 25   |
| 18x20x18 | 10  | 250        | RR5130018020018 | 51   | 27   |
| 18x22x18 | 10  | 250        | RR5130018022018 | 51   | 27   |
| 18x28x18 | 10  | 50         | RR5130018028018 | 73   | 35   |
| 20x22x20 | 10  | 200        | RR5130020022020 | 52   | 28   |
| 22x28x22 | 5   | 130        | RR5130022028022 | 62,5 | 33   |
| 22x35x22 | 5   | 100        | RR5130022035022 | 70   | 36   |
| 28x35x28 | 5   | 70         | RR5130028035028 | 85   | 40   |
| 28x42x28 | 5   | 50         | RR5130028042028 | 92   | 44   |
| 35x42x35 | 5   | 40         | RR5130035042035 | 93   | 48,5 |
| 42x54x42 | 1   | 10         | RR5130042054042 | 125  | 60   |
| 54x67x54 | 1   | 8          | RR5130054067054 | 135  | 75   |



# Art. RR5130

F/F/F central reduced tee.

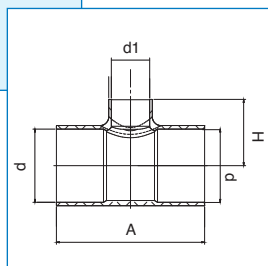
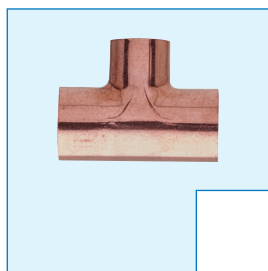
T-Stück reduziert zentrale symmetrical Seite I/I/I.

Té réduit central F/F/F.

T reducido central H/H/H.

Тройник с уменьшенным торцевым отверстием В-В-В.

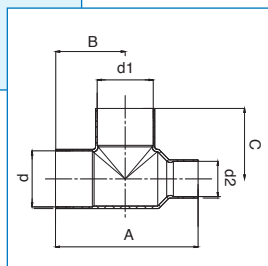
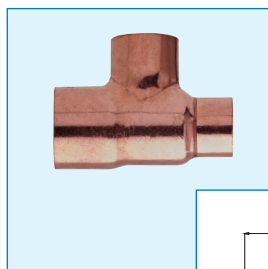
| dxd1xd   | BAG | MASTER BOX | CODE            | A    | H    |
|----------|-----|------------|-----------------|------|------|
| 8x6x8    | 10  | 500        | RR5130008006008 | 27   | 12   |
| 10x6x10  | 10  | 600        | RR5130010006010 | 29   | 12   |
| 10x8x10  | 10  | 500        | RR5130010008010 | 28   | 13   |
| 12x6x12  | 10  | 400        | RR5130012006012 | 29   | 14,5 |
| 12x8x12  | 10  | 450        | RR5130012008012 | 29   | 14,5 |
| 12x10x12 | 10  | 400        | RR5130012010012 | 30   | 17   |
| 14x10x14 | 10  | 300        | RR5130014010014 | 33,5 | 16   |
| 14x12x14 | 10  | 300        | RR5130014012014 | 35,5 | 17,5 |
| 15x8x15  | 10  | 300        | RR5130015008015 | 32   | 16   |
| 15x10x15 | 10  | 300        | RR5130015010015 | 33,5 | 17,5 |
| 15x12x15 | 10  | 200        | RR5130015012015 | 35   | 18   |
| 16x10x16 | 10  | 250        | RR5130016010016 | 34   | 17   |
| 16x12x16 | 10  | 250        | RR5130016012016 | 36   | 18   |
| 16x14x16 | 10  | 200        | RR5130016014016 | 38   | 20   |
| 18x10x18 | 10  | 350        | RR5130018010018 | 37   | 18,5 |
| 18x12x18 | 10  | 250        | RR5130018012018 | 39   | 19   |
| 18x14x18 | 10  | 300        | RR5130018014018 | 41   | 21   |
| 18x15x18 | 10  | 180        | RR5130018015018 | 42   | 21   |
| 18x16x18 | 10  | 300        | RR5130018016018 | 43   | 22   |
| 20x14x20 | 10  | 250        | RR5130020014020 | 47   | 23,5 |
| 20x18x20 | 10  | 200        | RR5130020018020 | 52   | 26   |
| 22x10x22 | 10  | 250        | RR5130022010022 | 44   | 20   |
| 22x12x22 | 10  | 250        | RR5130022012022 | 46   | 21   |
| 22x14x22 | 10  | 200        | RR5130022014022 | 48   | 23   |
| 22x15x22 | 10  | 100        | RR5130022015022 | 47   | 23   |
| 22x16x22 | 10  | 200        | RR5130022016022 | 48   | 24   |
| 22x18x22 | 10  | 100        | RR5130022018022 | 50   | 25   |
| 22x20x22 | 10  | 200        | RR5130022020022 | 52   | 27   |
| 28x10x28 | 10  | 200        | RR5130028010028 | 50   | 24   |
| 28x12x28 | 10  | 200        | RR5130028012028 | 52   | 24,5 |
| 28x14x28 | 10  | 200        | RR5130028014028 | 52   | 26   |
| 28x15x28 | 10  | 150        | RR5130028015028 | 53   | 26,5 |
| 28x16x28 | 10  | 200        | RR5130028016028 | 55   | 27   |
| 28x18x28 | 10  | 180        | RR5130028018028 | 56   | 28   |
| 28x20x28 | 10  | 180        | RR5130028020028 | 60   | 31   |
| 28x22x28 | 10  | 130        | RR5130028022028 | 60   | 31   |
| 32x16x32 | 10  | 100        | RR5130032016032 | 65   | 29   |
| 32x18x32 | 10  | 100        | RR5130032018032 | 66   | 30,5 |
| 32x22x32 | 10  | 100        | RR5130032022032 | 70   | 33,5 |
| 32x28x32 | 5   | 80         | RR5130032028032 | 76   | 36   |
| 35x12x35 | 5   | 100        | RR5130035012035 | 62   | 28,5 |
| 35x15x35 | 5   | 100        | RR5130035015035 | 63   | 30,5 |
| 35x18x35 | 5   | 100        | RR5130035018035 | 66   | 33   |
| 35x22x35 | 5   | 80         | RR5130035022035 | 70   | 35,5 |
| 35x28x35 | 5   | 70         | RR5130035028035 | 76,5 | 38   |
| 36x16x36 | 5   | 100        | RR5130036016036 | 65   | 30   |
| 36x18x36 | 5   | 100        | RR5130036018036 | 66   | 31   |
| 36x22x36 | 5   | 100        | RR5130036022036 | 71   | 35   |
| 36x28x36 | 5   | 100        | RR5130036028036 | 78   | 38   |
| 36x32x36 | 5   | 70         | RR5130036032036 | 79   | 40   |
| 40x32x40 | 5   | 50         | RR5130040032040 | 89   | 46   |
| 40x36x40 | 5   | 50         | RR5130040036040 | 90   | 46   |
| 42x15x42 | 5   | 70         | RR5130042015042 | 71   | 34,5 |
| 42x18x42 | 5   | 70         | RR5130042018042 | 74   | 38   |
| 42x22x42 | 5   | 60         | RR5130042022042 | 78   | 39,5 |
| 42x28x42 | 5   | 50         | RR5130042028042 | 84   | 42   |
| 42x32x42 | 5   | 40         | RR5130042032042 | 90   | 46,5 |
| 42x35x42 | 5   | 40         | RR5130042035042 | 91   | 47   |
| 52x28x52 | 5   | 10         | RR5130052028052 | 95   | 47   |



# Art. **RR5130**

-  F/F/F central reduced tee.
-  T-Stück reduziert zentrale symmetrical Seite I/I/I.
-  Té réduit central F/F/F.
-  T reducido central H/H/H.
-  Тройник с уменьшенным торцевым отверстием В-В-В.

| dx d1 x d  | BAG | MASTER BOX | CODE            | A   | H    |
|------------|-----|------------|-----------------|-----|------|
| 52x32x52   | 5   | 10         | RR5130052032052 | 100 | 52   |
| 52x42x52   | 1   | 10         | RR5130052042052 | 110 | 55   |
| 54x15x54   | 1   | 10         | RR5130054015054 | 82  | 42   |
| 54x18x54   | 5   | 20         | RR5130054018054 | 86  | 42   |
| 54x22x54   | 5   | 20         | RR5130054022054 | 90  | 46   |
| 54x28x54   | 5   | 25         | RR5130054028054 | 94  | 47,5 |
| 54x35x54   | 1   | 10         | RR5130054035054 | 101 | 52,5 |
| 54x42x54   | 1   | 10         | RR5130054042054 | 110 | 57   |
| 64x42x64   | 1   | 10         | RR5130064042064 | 120 | 68   |
| 64x54x64   | 1   | 18         | RR5130064054064 | 131 | 74   |
| 67x35x67   | 1   | 5          | RR5130067035067 | 114 | 63   |
| 76x35x76   | 1   | 15         | RR5130076035076 | 127 | 68   |
| 76x42x76   | 1   | 5          | RR5130076042076 | 128 | 73   |
| 76x54x76   | 1   | 12         | RR5130076054076 | 135 | 77   |
| 76x64x76   | 1   | 10         | RR5130076064076 | 146 | 80   |
| 89x42x89   | 1   | 2          | RR5130089042089 | 141 | 81   |
| 89x76x89   | 1   | 5          | RR5130089076089 | 171 | 87,5 |
| 108x54x108 | 1   | 3          | RR5130108054108 | 167 | 97   |
| 108x64x108 | 1   | 3          | RR5130108064108 | 179 | 96   |
| 108x76x108 | 1   | 5          | RR5130108076108 | 186 | 98,5 |
| 108x89x108 | 1   | 1          | RR5130108089108 | 200 | 105  |



# Art. RR5130

F/F/F side reduced tee.

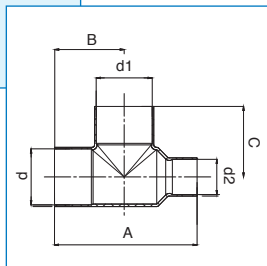
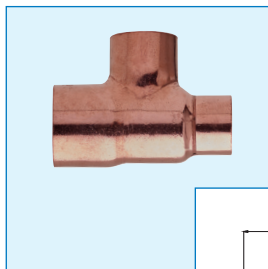
T-Stück reduziert Seite I/I/I.

Té réduit latéral F/F/F.

T reducido lateral H/H/H.

Тройник с уменьшенным боковым отверстием В-В-В.

| dx1xd2   | BAG | MASTER BOX | CODE            | A    | B    | C    |
|----------|-----|------------|-----------------|------|------|------|
| 8x6x6    | 10  | 300        | RR5130008006006 | 24   | 12   | 11   |
| 10x8x8   | 10  | 600        | RR5130010008008 | 28   | 14   | 13   |
| 10x10x8  | 10  | 500        | RR5130010010008 | 30   | 15   | 14   |
| 12x8x8   | 10  | 450        | RR5130012008008 | 30   | 14   | 15   |
| 12x8x10  | 10  | 300        | RR5130012008010 | 30   | 14,5 | 15   |
| 12x10x8  | 10  | 450        | RR5130012010008 | 30   | 15   | 16   |
| 12x10x10 | 10  | 400        | RR5130012010010 | 31,5 | 15   | 15   |
| 12x12x8  | 10  | 400        | RR5130012012008 | 31   | 15   | 15   |
| 12x12x10 | 10  | 400        | RR5130012012010 | 34   | 17   | 17   |
| 14x10x10 | 10  | 300        | RR5130014010010 | 34   | 17   | 16,5 |
| 14x10x12 | 10  | 300        | RR5130014010012 | 35   | 17   | 16,5 |
| 14x12x10 | 10  | 300        | RR5130014012010 | 37   | 18   | 17   |
| 14x12x12 | 10  | 300        | RR5130014012012 | 37   | 18   | 17   |
| 14x14x10 | 10  | 300        | RR5130014014010 | 38   | 19   | 19   |
| 14x14x12 | 10  | 300        | RR5130014014012 | 39   | 19,5 | 19   |
| 14x16x12 | 10  | 250        | RR5130014016012 | 49   | 23,5 | 24,5 |
| 14x18x12 | 10  | 200        | RR5130014018012 | 49,5 | 24,5 | 25,5 |
| 15x10x10 | 10  | 400        | RR5130015010010 | 35   | 17   | 17   |
| 15x10x12 | 10  | 400        | RR5130015010012 | 35   | 17,5 | 17   |
| 15x12x12 | 10  | 250        | RR5130015012012 | 37   | 18   | 18   |
| 15x15x10 | 10  | 300        | RR5130015015010 | 39   | 20   | 19,5 |
| 15x15x12 | 10  | 300        | RR5130015015012 | 40   | 19,5 | 19,5 |
| 15x15x18 | 10  | 300        | RR5130015015018 | 41   | 19,5 | 19,5 |
| 15x18x12 | 10  | 300        | RR5130015018012 | 45,5 | 23   | 23,5 |
| 16x12x12 | 10  | 250        | RR5130016012012 | 38   | 18   | 18,5 |
| 16x12x14 | 10  | 250        | RR5130016012014 | 38,5 | 18   | 18,5 |
| 16x14x12 | 10  | 250        | RR5130016014012 | 39   | 19   | 20   |
| 16x14x14 | 10  | 200        | RR5130016014014 | 41   | 19   | 20,5 |
| 16x16x10 | 10  | 250        | RR5130016016010 | 41,5 | 20   | 20,5 |
| 16x16x12 | 10  | 250        | RR5130016016012 | 41,5 | 20   | 20   |
| 16x16x14 | 10  | 250        | RR5130016016014 | 42   | 20   | 20   |
| 16x18x14 | 10  | 300        | RR5130016018014 | 44   | 20,5 | 22,5 |
| 18x10x10 | 10  | 350        | RR5130018010010 | 41   | 20   | 19   |
| 18x10x12 | 10  | 350        | RR5130018010012 | 41   | 20   | 19   |
| 18x12x12 | 10  | 350        | RR5130018012012 | 41   | 20   | 19   |
| 18x12x14 | 10  | 350        | RR5130018012014 | 43   | 20   | 19   |
| 18x12x15 | 10  | 350        | RR5130018012015 | 43   | 20   | 19   |
| 18x12x16 | 10  | 350        | RR5130018012016 | 42   | 20   | 19   |
| 18x14x12 | 10  | 300        | RR5130018014012 | 41   | 21   | 21   |
| 18x14x14 | 10  | 300        | RR5130018014014 | 47   | 21   | 21   |
| 18x14x16 | 10  | 300        | RR5130018014016 | 45   | 21   | 21,5 |
| 18x15x12 | 10  | 300        | RR5130018015012 | 44   | 21,5 | 21,5 |
| 18x15x15 | 10  | 180        | RR5130018015015 | 44   | 21,5 | 21,5 |
| 18x16x12 | 10  | 200        | RR5130018016012 | 44   | 22   | 21,5 |
| 18x16x14 | 10  | 300        | RR5130018016014 | 45   | 22   | 21,5 |
| 18x16x16 | 10  | 300        | RR5130018016016 | 45   | 22   | 21,5 |
| 18x18x10 | 10  | 300        | RR5130018018010 | 47   | 23   | 23,5 |
| 18x18x12 | 10  | 250        | RR5130018018012 | 47   | 23   | 23,5 |
| 18x18x14 | 10  | 250        | RR5130018018014 | 48   | 23   | 23,5 |
| 18x18x15 | 10  | 250        | RR5130018018015 | 48   | 23   | 23,5 |
| 18x18x16 | 10  | 300        | RR5130018018016 | 48   | 23   | 23,5 |
| 18x22x14 | 10  | 250        | RR5130018022014 | 52   | 25   | 27   |
| 18x22x15 | 10  | 200        | RR5130018022015 | 54   | 27   | 27   |
| 20x14x16 | 10  | 200        | RR5130020014016 | 50   | 23   | 23,5 |
| 20x18x18 | 10  | 200        | RR5130020018018 | 53   | 26   | 25   |
| 20x20x14 | 10  | 200        | RR5130020020014 | 54   | 27   | 26,5 |
| 20x20x16 | 10  | 200        | RR5130020020016 | 54   | 27   | 26,5 |
| 20x20x18 | 10  | 200        | RR5130020020018 | 54   | 27   | 26,5 |
| 20x22x16 | 10  | 250        | RR5130020022016 | 56   | 27   | 26,5 |



# Art. RR5130



F/F/F side reduced tee.



T-Stück reduziert Seite I/I/I.



Té réduit latéral F/F/F.

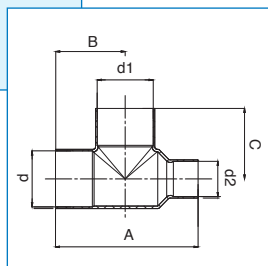
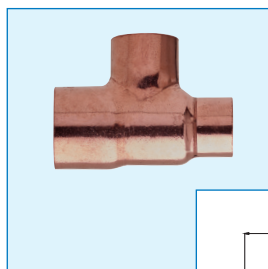


T reducido lateral H/H/H.



Тройник с уменьшенным боковым отверстием В-В-В.

| dx1xd2   | BAG | MASTER BOX | CODE            | A    | B    | C    |
|----------|-----|------------|-----------------|------|------|------|
| 22x12x12 | 10  | 250        | RR5130022012012 | 50   | 23   | 21,5 |
| 22x12x14 | 10  | 250        | RR5130022012014 | 49   | 23   | 23,5 |
| 22x12x15 | 10  | 250        | RR5130022012015 | 48   | 23   | 23,5 |
| 22x12x18 | 10  | 250        | RR5130022012018 | 47   | 23   | 21   |
| 22x14x14 | 10  | 200        | RR5130022014014 | 47   | 24   | 23   |
| 22x14x16 | 10  | 200        | RR5130022014016 | 47   | 24   | 23   |
| 22x14x18 | 10  | 200        | RR5130022014018 | 52   | 25   | 23,5 |
| 22x15x12 | 10  | 150        | RR5130022015012 | 50   | 24,5 | 23,5 |
| 22x15x15 | 10  | 200        | RR5130022015015 | 49,5 | 24   | 23   |
| 22x15x18 | 10  | 200        | RR5130022015018 | 49   | 24   | 23   |
| 22x16x14 | 10  | 200        | RR5130022016014 | 51,5 | 25   | 23,5 |
| 22x16x16 | 10  | 200        | RR5130022016016 | 50,5 | 23,5 | 24,5 |
| 22x16x18 | 10  | 200        | RR5130022016018 | 50   | 25   | 23,5 |
| 22x18x12 | 10  | 150        | RR5130022018012 | 52   | 26   | 25   |
| 22x18x14 | 10  | 200        | RR5130022018014 | 52   | 26   | 25   |
| 22x18x15 | 10  | 200        | RR5130022018015 | 51   | 25,5 | 25   |
| 22x18x16 | 10  | 200        | RR5130022018016 | 51   | 25,5 | 25   |
| 22x18x18 | 10  | 150        | RR5130022018018 | 53   | 25,5 | 25   |
| 22x22x12 | 10  | 250        | RR5130022022012 | 55   | 27,5 | 29   |
| 22x22x14 | 10  | 250        | RR5130022022014 | 56   | 27,5 | 28,5 |
| 22x22x15 | 10  | 250        | RR5130022022015 | 56   | 27,5 | 28,5 |
| 22x22x16 | 10  | 250        | RR5130022022016 | 56   | 27,5 | 29   |
| 22x22x18 | 10  | 250        | RR5130022022018 | 57   | 27,5 | 29   |
| 22x22x20 | 10  | 200        | RR5130022022020 | 58   | 28   | 31   |
| 22x28x15 | 10  | 200        | RR5130022028015 | 64   | 31   | 32,5 |
| 28x12x12 | 10  | 50         | RR5130028012012 | 51   | 26   | 24   |
| 28x12x18 | 10  | 180        | RR5130028012018 | 53,5 | 25,5 | 24,5 |
| 28x12x22 | 10  | 180        | RR5130028012022 | 54,5 | 25,5 | 24,5 |
| 28x14x14 | 10  | 200        | RR5130028014014 | 54   | 28   | 26   |
| 28x15x12 | 10  | 100        | RR5130028015012 | 54   | 28   | 26   |
| 28x15x15 | 10  | 200        | RR5130028015015 | 57   | 27,5 | 27   |
| 28x15x18 | 10  | 150        | RR5130028015018 | 57   | 27,5 | 27   |
| 28x15x22 | 10  | 200        | RR5130028015022 | 59   | 27,5 | 27   |
| 28x16x16 | 10  | 200        | RR5130028016016 | 58   | 28   | 27   |
| 28x16x18 | 10  | 200        | RR5130028016018 | 58   | 28   | 27   |
| 28x16x22 | 10  | 150        | RR5130028016022 | 56   | 28   | 26   |
| 28x18x12 | 10  | 180        | RR5130028018012 | 57   | 29   | 29   |
| 28x18x15 | 10  | 150        | RR5130028018015 | 59   | 29   | 29   |
| 28x18x18 | 10  | 180        | RR5130028018018 | 60   | 29   | 29   |
| 28x18x22 | 10  | 150        | RR5130028018022 | 61   | 29   | 29   |
| 28x22x12 | 10  | 150        | RR5130028022012 | 61   | 31   | 31   |
| 28x22x15 | 10  | 150        | RR5130028022015 | 62   | 31   | 31,5 |
| 28x22x16 | 10  | 150        | RR5130028022016 | 63   | 31   | 31,5 |
| 28x22x18 | 10  | 150        | RR5130028022018 | 63,5 | 31   | 31,5 |
| 28x22x22 | 10  | 160        | RR5130028022022 | 65   | 31   | 31   |
| 28x28x12 | 10  | 200        | RR5130028028012 | 70   | 34   | 34,5 |
| 28x28x14 | 5   | 100        | RR5130028028014 | 71   | 34   | 34   |
| 28x28x15 | 10  | 150        | RR5130028028015 | 69   | 34   | 33,5 |
| 28x28x16 | 10  | 150        | RR5130028028016 | 68   | 34   | 34   |
| 28x28x18 | 10  | 100        | RR5130028028018 | 70   | 34   | 34,5 |
| 28x28x22 | 10  | 130        | RR5130028028022 | 69   | 34   | 33,5 |
| 28x35x22 | 5   | 70         | RR5130028035022 | 76   | 38   | 36   |
| 35x15x28 | 5   | 100        | RR5130035015028 | 67   | 32   | 30,5 |
| 35x18x22 | 5   | 100        | RR5130035018022 | 67,5 | 33,5 | 32   |
| 35x18x28 | 5   | 100        | RR5130035018028 | 70   | 33,5 | 32   |
| 35x22x15 | 5   | 100        | RR5130035022015 | 71   | 36   | 34,5 |
| 35x22x18 | 5   | 100        | RR5130035022018 | 72   | 36   | 34   |
| 35x22x22 | 5   | 100        | RR5130035022022 | 73   | 36   | 35   |
| 35x22x28 | 5   | 100        | RR5130035022028 | 74   | 36   | 35   |
| 35x28x18 | 5   | 80         | RR5130035028018 | 77   | 39   | 38   |
| 35x28x22 | 5   | 100        | RR5130035028022 | 80   | 39   | 38   |



# Art. RR5130



F/F/F side reduced tee.



T-Stück reduziert Seite I/I/I.



Té réduit latéral F/F/F.

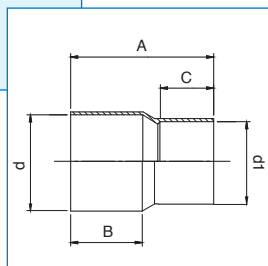
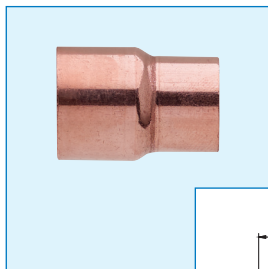


T reducido lateral H/H/H.



Тройник с уменьшенным боковым отверстием В-В-В.

| dx1xd2   | BAG | MASTER BOX | CODE            | A   | B    | C    |
|----------|-----|------------|-----------------|-----|------|------|
| 35x28x28 | 5   | 80         | RR5130035028028 | 80  | 39   | 38   |
| 35x35x15 | 5   | 70         | RR5130035035015 | 83  | 42   | 43,5 |
| 35x35x18 | 5   | 70         | RR5130035035018 | 84  | 42   | 43,5 |
| 35x35x22 | 5   | 70         | RR5130035035022 | 85  | 42   | 43,5 |
| 35x35x28 | 5   | 70         | RR5130035035028 | 87  | 42   | 43,5 |
| 36x28x22 | 5   | 100        | RR5130036028022 | 86  | 42   | 44   |
| 42x22x35 | 5   | 70         | RR5130042022035 | 84  | 40   | 39   |
| 42x28x22 | 5   | 50         | RR5130042028022 | 87  | 43   | 41,5 |
| 42x28x28 | 5   | 60         | RR5130042028028 | 87  | 43   | 41,5 |
| 42x28x35 | 5   | 50         | RR5130042028035 | 90  | 43   | 41,5 |
| 42x35x28 | 5   | 40         | RR5130042035028 | 96  | 46,5 | 46   |
| 42x35x35 | 5   | 40         | RR5130042035035 | 96  | 46,5 | 46   |
| 42x42x22 | 5   | 40         | RR5130042042022 | 99  | 50   | 50   |
| 42x42x28 | 5   | 40         | RR5130042042028 | 101 | 50   | 50   |
| 42x42x35 | 5   | 40         | RR5130042042035 | 103 | 50   | 50   |
| 54x22x42 | 1   | 20         | RR5130054022042 | 93  | 46   | 45   |
| 54x28x42 | 1   | 10         | RR5130054028042 | 103 | 48,5 | 49   |
| 54x35x35 | 1   | 8          | RR5130054035035 | 107 | 51,5 | 54   |
| 54x35x42 | 1   | 10         | RR5130054035042 | 108 | 51,5 | 53   |
| 54x42x42 | 1   | 10         | RR5130054042042 | 115 | 54,5 | 57   |
| 54x54x22 | 1   | 20         | RR5130054054022 | 121 | 61   | 55   |
| 54x54x28 | 1   | 20         | RR5130054054028 | 122 | 61   | 57   |
| 54x54x35 | 1   | 20         | RR5130054054035 | 123 | 61   | 60   |
| 54x54x42 | 1   | 20         | RR5130054054042 | 126 | 61   | 62   |



# Art. RR5240

F/F reducing coupling.

Reduziermuffe I/I.

Réduction F/F.

Reducción H/H.

Муфта редукционная В-В.

| dx1   | BAG | MASTER BOX | CODE            | A    | B min, | C min, |
|-------|-----|------------|-----------------|------|--------|--------|
| 8x6   | 10  | 2000       | RR5240008006000 | 15,5 | 6,8    | 5,8    |
| 10x6  | 10  | 2000       | RR5240010006000 | 18   | 7,8    | 5,8    |
| 10x8  | 10  | 1000       | RR5240010008000 | 18,5 | 7,8    | 6,8    |
| 12x6  | 10  | 1000       | RR5240012006000 | 20,5 | 8,6    | 5,8    |
| 12x8  | 10  | 1000       | RR5240012008000 | 20,5 | 8,6    | 6,8    |
| 12x10 | 10  | 600        | RR5240012010000 | 20,5 | 8,6    | 7,8    |
| 14x10 | 10  | 600        | RR5240014010000 | 24   | 10,6   | 7,8    |
| 14x12 | 10  | 500        | RR5240014012000 | 23,5 | 10,6   | 8,6    |
| 15x8  | 10  | 1000       | RR5240015008000 | 24   | 10,6   | 6,8    |
| 15x10 | 10  | 600        | RR5240015010000 | 24   | 10,6   | 7,8    |
| 15x12 | 10  | 500        | RR5240015012000 | 23,8 | 10,6   | 8,6    |
| 15x14 | 10  | 500        | RR5240015014000 | 25   | 10,6   | 10,6   |
| 16x10 | 10  | 500        | RR5240016010000 | 24   | 10,6   | 7,8    |
| 16x12 | 10  | 500        | RR5240016012000 | 24   | 10,6   | 8,6    |
| 16x14 | 10  | 400        | RR5240016014000 | 25   | 10,6   | 10,6   |
| 16x15 | 10  | 500        | RR5240016015000 | 24   | 10,6   | 10,6   |
| 18x10 | 10  | 400        | RR5240018010000 | 28   | 12,6   | 7,8    |
| 18x12 | 10  | 400        | RR5240018012000 | 28   | 12,6   | 8,6    |
| 18x14 | 10  | 700        | RR5240018014000 | 28,5 | 12,6   | 10,6   |
| 18x15 | 10  | 350        | RR5240018015000 | 28   | 12,6   | 10,6   |
| 18x16 | 10  | 600        | RR5240018016000 | 28   | 12,6   | 10,6   |
| 20x12 | 10  | 200        | RR5240020012000 | 30,5 | 15,4   | 8,6    |
| 20x14 | 10  | 300        | RR5240020014000 | 33   | 15,4   | 10,6   |
| 20x16 | 10  | 300        | RR5240020016000 | 33   | 15,4   | 10,6   |
| 20x18 | 10  | 300        | RR5240020018000 | 33   | 15,4   | 12,6   |
| 22x10 | 10  | 300        | RR5240022010000 | 32,5 | 15,4   | 7,8    |
| 22x12 | 10  | 250        | RR5240022012000 | 32,5 | 15,4   | 8,6    |
| 22x14 | 10  | 300        | RR5240022014000 | 34   | 15,4   | 10,6   |
| 22x15 | 10  | 250        | RR5240022015000 | 34   | 15,4   | 10,6   |
| 22x16 | 10  | 300        | RR5240022016000 | 34   | 15,4   | 10,6   |
| 22x18 | 10  | 240        | RR5240022018000 | 34   | 15,4   | 12,6   |
| 22x20 | 10  | 250        | RR5240022020000 | 35   | 15,4   | 15,4   |
| 25x22 | 10  | 250        | RR5240025022000 | 36,5 | 16,4   | 15,4   |
| 28x10 | 10  | 300        | RR5240028010000 | 39   | 18,4   | 7,8    |
| 28x12 | 10  | 300        | RR5240028012000 | 38,5 | 18,4   | 8,6    |
| 28x14 | 10  | 250        | RR5240028014000 | 41   | 18,4   | 10,6   |
| 28x15 | 10  | 250        | RR5240028015000 | 42   | 18,4   | 10,6   |
| 28x16 | 10  | 250        | RR5240028016000 | 41   | 18,4   | 10,6   |
| 28x18 | 10  | 250        | RR5240028018000 | 39,5 | 18,4   | 12,6   |
| 28x20 | 10  | 250        | RR5240028020000 | 41   | 18,4   | 15,4   |
| 28x22 | 10  | 150        | RR5240028022000 | 41   | 18,4   | 15,4   |
| 32x16 | 10  | 250        | RR5240032016000 | 46   | 23     | 10,6   |
| 32x18 | 10  | 250        | RR5240032018000 | 46   | 23     | 12,6   |
| 32x20 | 10  | 200        | RR5240032020000 | 47,5 | 23     | 15,4   |
| 32x22 | 10  | 200        | RR5240032022000 | 47,5 | 23     | 15,4   |
| 32x28 | 10  | 200        | RR5240032028000 | 48   | 23     | 18,4   |
| 35x12 | 10  | 250        | RR5240035012000 | 47   | 23     | 8,6    |
| 35x15 | 10  | 250        | RR5240035015000 | 48   | 23     | 10,6   |
| 35x18 | 10  | 200        | RR5240035018000 | 48   | 23     | 12,6   |
| 35x22 | 10  | 200        | RR5240035022000 | 48   | 23     | 15,4   |
| 35x28 | 10  | 200        | RR5240035028000 | 48,5 | 23     | 18,4   |
| 35x32 | 5   | 170        | RR5240035032000 | 52   | 23     | 23     |
| 36x22 | 5   | 200        | RR5240036022000 | 48   | 23     | 15,4   |
| 36x28 | 5   | 150        | RR5240036028000 | 50   | 23     | 18,4   |
| 36x32 | 5   | 170        | RR5240036032000 | 52   | 23     | 23     |
| 36x35 | 5   | 150        | RR5240036035000 | 52   | 23     | 23     |
| 40x22 | 5   | 190        | RR5240040022000 | 56   | 27     | 15,4   |
| 40x28 | 5   | 120        | RR5240040028000 | 55   | 27     | 18,4   |
| 40x32 | 5   | 120        | RR5240040032000 | 58   | 27     | 23     |
| 40x35 | 5   | 120        | RR5240040035000 | 57   | 27     | 23     |

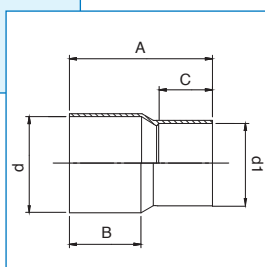
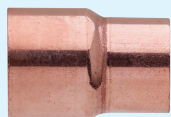
# Art. RR5240

 F/F reducing coupling.

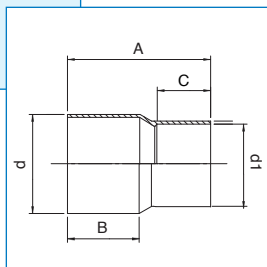
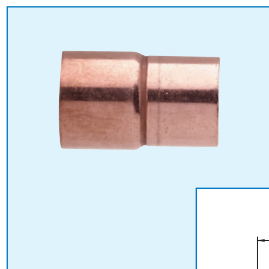
 Reduziermuffe I/I.

 Réduction F/F.

 Reducción H/H.

 Муфта редукционная В-В.


| dx1    | BAG | MASTER BOX | CODE            | A    | B min, | C min, |
|--------|-----|------------|-----------------|------|--------|--------|
| 40x36  | 5   | 120        | RR5240040036000 | 56   | 27     | 23     |
| 42x15  | 5   | 190        | RR5240042015000 | 56   | 27     | 10,6   |
| 42x18  | 5   | 190        | RR5240042018000 | 56   | 27     | 12,6   |
| 42x22  | 5   | 100        | RR5240042022000 | 57,5 | 27     | 15,4   |
| 42x28  | 5   | 130        | RR5240042028000 | 56,5 | 27     | 18,4   |
| 42x32  | 5   | 120        | RR5240042032000 | 60   | 27     | 23     |
| 42x35  | 5   | 120        | RR5240042035000 | 58,5 | 27     | 23     |
| 42x36  | 5   | 100        | RR5240042036000 | 57,5 | 27     | 23     |
| 42x40  | 5   | 80         | RR5240042040000 | 59   | 27     | 27     |
| 52x28  | 5   | 50         | RR5240052028000 | 69   | 32     | 18,4   |
| 52x32  | 5   | 50         | RR5240052032000 | 69   | 32     | 23     |
| 52x35  | 5   | 50         | RR5240052035000 | 68   | 32     | 23     |
| 52x36  | 5   | 50         | RR5240052036000 | 68   | 32     | 23     |
| 52x40  | 5   | 50         | RR5240052040000 | 70   | 32     | 27     |
| 52x42  | 5   | 50         | RR5240052042000 | 69,5 | 32     | 27     |
| 54x22  | 5   | 90         | RR5240054022000 | 68   | 32     | 15,4   |
| 54x28  | 5   | 70         | RR5240054028000 | 69   | 32     | 18,4   |
| 54x35  | 5   | 50         | RR5240054035000 | 68   | 32     | 23     |
| 54x36  | 5   | 50         | RR5240054036000 | 69   | 32     | 23     |
| 54x40  | 5   | 50         | RR5240054040000 | 71   | 32     | 27     |
| 54x42  | 5   | 50         | RR5240054042000 | 69,5 | 32     | 27     |
| 54x52  | 5   | 50         | RR5240054052000 | 70   | 32     | 32     |
| 63x40  | 1   | 10         | RR5240063040000 | 77   | 32,5   | 27     |
| 63x42  | 1   | 10         | RR5240063042000 | 77   | 32,5   | 27     |
| 63x52  | 1   | 10         | RR5240063052000 | 79   | 32,5   | 32     |
| 63x54  | 1   | 10         | RR5240063054000 | 78   | 32,5   | 32     |
| 64x35  | 1   | 15         | RR5240064035000 | 80   | 32,5   | 23     |
| 64x42  | 1   | 10         | RR5240064042000 | 80   | 32,5   | 27     |
| 64x54  | 1   | 40         | RR5240064054000 | 76   | 32,5   | 32     |
| 67x42  | 1   | 40         | RR5240067042000 | 81   | 33,5   | 27     |
| 67x54  | 1   | 45         | RR5240067054000 | 82   | 33,5   | 32     |
| 70x52  | 1   | 10         | RR5240070052000 | 84   | 33,5   | 27     |
| 70x54  | 1   | 10         | RR5240070054000 | 81   | 33,5   | 32     |
| 70x63  | 1   | 10         | RR5240070063000 | 76   | 33,5   | 32,5   |
| 76x35  | 1   | 10         | RR5240076035000 | 86   | 33,5   | 23     |
| 76x42  | 1   | 10         | RR5240076042000 | 85   | 33,5   | 27     |
| 76x54  | 1   | 30         | RR5240076054000 | 85   | 33,5   | 32     |
| 76x63  | 1   | 10         | RR5240076063000 | 78   | 33,5   | 32,5   |
| 76x64  | 1   | 30         | RR5240076064000 | 82   | 33,5   | 32,5   |
| 80x54  | 1   | 10         | RR5240080054000 | 90   | 35,5   | 32     |
| 80x67  | 1   | 10         | RR5240080067000 | 86   | 35,5   | 33,5   |
| 85x54  | 1   | 8          | RR5240085054000 | 92   | 35,5   | 32     |
| 89x76  | 1   | 20         | RR5240089076000 | 90   | 37,5   | 33,5   |
| 108x54 | 1   | 10         | RR5240108054000 | 114  | 47,5   | 32     |
| 108x64 | 1   | 10         | RR5240108064000 | 115  | 47,5   | 32,5   |
| 108x67 | 1   | 15         | RR5240108067000 | 109  | 47,5   | 32,5   |
| 108x76 | 1   | 5          | RR5240108076000 | 107  | 47,5   | 33,5   |
| 108x89 | 1   | 5          | RR5240108089000 | 108  | 47,5   | 37,5   |



# Art. RR5243

M/F reducer.

Reduzierstück I/A.

Réduction M/F.

Reducción M/H.

Муфта редукционная Н-В.

| dxd1  | BAG | MASTER BOX | CODE            | A    | B min, | C min, |
|-------|-----|------------|-----------------|------|--------|--------|
| 8x6   | 50  | 2500       | RR5243008006000 | 15,2 | 8,8    | 5,8    |
| 10x6  | 10  | 2000       | RR5243010006000 | 19   | 9,8    | 5,8    |
| 10x8  | 10  | 2000       | RR5243010008000 | 17,5 | 9,8    | 6,8    |
| 12x6  | 10  | 1000       | RR5243012006000 | 21   | 10,6   | 5,8    |
| 12x8  | 10  | 1000       | RR5243012008000 | 21,5 | 10,6   | 6,8    |
| 12x10 | 10  | 1000       | RR5243012010000 | 20   | 10,6   | 7,8    |
| 14x10 | 25  | 1000       | RR5243014010000 | 23,2 | 12,6   | 7,8    |
| 14x12 | 10  | 500        | RR5243014012000 | 23   | 12,6   | 8,6    |
| 15x8  | 10  | 1000       | RR5243015008000 | 24,5 | 12,6   | 6,8    |
| 15x10 | 10  | 500        | RR5243015010000 | 24,8 | 12,6   | 7,8    |
| 15x12 | 10  | 500        | RR5243015012000 | 25   | 12,6   | 8,6    |
| 15x14 | 10  | 500        | RR5243015014000 | 26   | 12,6   | 10,6   |
| 16x10 | 10  | 500        | RR5243016010000 | 26   | 12,6   | 7,8    |
| 16x12 | 10  | 500        | RR5243016012000 | 26   | 12,6   | 8,6    |
| 16x14 | 10  | 500        | RR5243016014000 | 26   | 12,6   | 10,6   |
| 16x15 | 10  | 500        | RR5243016015000 | 26   | 12,6   | 10,6   |
| 18x10 | 10  | 400        | RR5243018010000 | 29   | 14,6   | 7,8    |
| 18x12 | 10  | 400        | RR5243018012000 | 28   | 14,6   | 8,6    |
| 18x14 | 10  | 700        | RR5243018014000 | 28   | 14,6   | 10,6   |
| 18x15 | 10  | 350        | RR5243018015000 | 28   | 14,6   | 10,6   |
| 18x16 | 10  | 700        | RR5243018016000 | 27,5 | 14,6   | 10,6   |
| 20x14 | 10  | 250        | RR5243020014000 | 33   | 17,4   | 10,6   |
| 20x16 | 10  | 200        | RR5243020016000 | 32   | 17,4   | 10,6   |
| 20x18 | 10  | 200        | RR5243020018000 | 32   | 17,4   | 12,6   |
| 22x10 | 10  | 250        | RR5243022010000 | 32,5 | 17,4   | 7,8    |
| 22x12 | 10  | 250        | RR5243022012000 | 32,5 | 17,4   | 8,6    |
| 22x14 | 10  | 250        | RR5243022014000 | 34   | 17,4   | 10,6   |
| 22x15 | 10  | 250        | RR5243022015000 | 34   | 17,4   | 10,6   |
| 22x16 | 10  | 300        | RR5243022016000 | 34   | 17,4   | 10,6   |
| 22x18 | 10  | 200        | RR5243022018000 | 34   | 17,4   | 12,6   |
| 22x20 | 10  | 280        | RR5243022020000 | 34   | 17,4   | 15,4   |
| 25x18 | 10  | 250        | RR5243025018000 | 37,5 | 18,4   | 12,6   |
| 25x22 | 10  | 250        | RR5243025022000 | 36,5 | 18,4   | 15,4   |
| 28x10 | 10  | 200        | RR5243028010000 | 40,5 | 20,4   | 7,8    |
| 28x12 | 10  | 300        | RR5243028012000 | 40,5 | 20,4   | 8,6    |
| 28x14 | 10  | 250        | RR5243028014000 | 40,5 | 20,4   | 10,6   |
| 28x15 | 10  | 250        | RR5243028015000 | 40   | 20,4   | 10,6   |
| 28x16 | 10  | 250        | RR5243028016000 | 40   | 20,4   | 10,6   |
| 28x18 | 10  | 250        | RR5243028018000 | 40,5 | 20,4   | 12,6   |
| 28x20 | 10  | 250        | RR5243028020000 | 42   | 20,4   | 15,4   |
| 28x22 | 10  | 150        | RR5243028022000 | 41   | 20,4   | 15,4   |
| 32x18 | 10  | 250        | RR5243032018000 | 46   | 25     | 12,6   |
| 32x20 | 10  | 250        | RR5243032020000 | 48   | 25     | 15,4   |
| 32x22 | 10  | 250        | RR5243032022000 | 48   | 25     | 15,4   |
| 32x28 | 10  | 200        | RR5243032028000 | 48,5 | 25     | 18,4   |
| 35x12 | 10  | 250        | RR5243035012000 | 48   | 25     | 8,6    |
| 35x15 | 10  | 250        | RR5243035015000 | 48,5 | 25     | 10,6   |
| 35x18 | 10  | 200        | RR5243035018000 | 48   | 25     | 12,6   |
| 35x22 | 10  | 200        | RR5243035022000 | 49   | 25     | 15,4   |
| 35x28 | 10  | 200        | RR5243035028000 | 50   | 25     | 18,4   |
| 35x32 | 10  | 100        | RR5243035032000 | 53   | 25     | 23     |
| 36x14 | 10  | 50         | RR5243036014000 | 48   | 25     | 10,6   |
| 36x16 | 10  | 100        | RR5243036016000 | 48   | 25     | 10,6   |
| 36x18 | 10  | 200        | RR5243036018000 | 51   | 25     | 12,6   |
| 36x22 | 5   | 250        | RR5243036022000 | 51   | 25     | 15,4   |
| 36x28 | 5   | 200        | RR5243036028000 | 52   | 25     | 18,4   |
| 36x32 | 5   | 150        | RR5243036032000 | 53   | 25     | 23     |
| 36x35 | 5   | 150        | RR5243036035000 | 52   | 25     | 23     |
| 40x22 | 5   | 190        | RR5243040022000 | 56,5 | 29     | 15,4   |
| 40x28 | 5   | 150        | RR5243040028000 | 56,5 | 29     | 18,4   |
| 40x32 | 5   | 120        | RR5243040032000 | 58,5 | 29     | 23     |

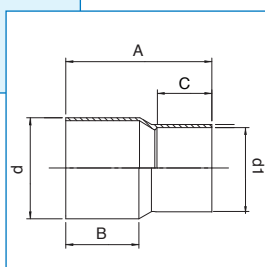
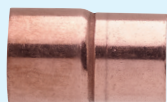
# Art. RR5243

 M/F reducer.

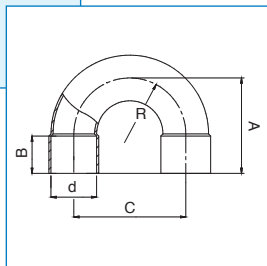
 Reduzierstück I/A.

 Réduction M/F.

 Reducción M/H.

 Муфта редукционная Н-В.


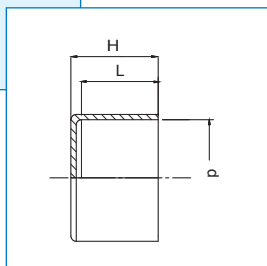
| dxd1      | BAG | MASTER BOX | CODE            | A    | B min, | C min, |
|-----------|-----|------------|-----------------|------|--------|--------|
| 40x35     | 5   | 120        | RR5243040035000 | 57,5 | 29     | 23     |
| 40x36     | 5   | 120        | RR5243040036000 | 57,5 | 29     | 23     |
| 42x15     | 5   | 190        | RR5243042015000 | 54   | 29     | 10,6   |
| 42x18     | 5   | 100        | RR5243042018000 | 56   | 29     | 12,6   |
| 42x22     | 5   | 100        | RR5243042022000 | 57,5 | 29     | 15,4   |
| 42x28     | 5   | 140        | RR5243042028000 | 57,5 | 29     | 18,4   |
| 42x32     | 5   | 120        | RR5243042032000 | 60   | 29     | 23     |
| 42x35     | 5   | 120        | RR5243042035000 | 58   | 29     | 23     |
| 42x36     | 5   | 120        | RR5243042036000 | 60   | 29     | 23     |
| 42x40     | 5   | 100        | RR5243042040000 | 59   | 29     | 27     |
| 52x28     | 5   | 100        | RR5243052028000 | 68   | 34     | 18,4   |
| 52x32     | 5   | 50         | RR5243052032000 | 69,5 | 34     | 23     |
| 52x35     | 5   | 50         | RR5243052035000 | 70   | 34     | 23     |
| 52x36     | 5   | 50         | RR5243052036000 | 68   | 34     | 23     |
| 52x40     | 5   | 50         | RR5243052040000 | 70,5 | 34     | 27     |
| 52x42     | 5   | 50         | RR5243052042000 | 69   | 34     | 27     |
| 54x18     | 5   | 50         | RR5243054018000 | 63,5 | 34     | 12,6   |
| 54x22     | 5   | 90         | RR5243054022000 | 65   | 34     | 15,4   |
| 54x28     | 5   | 90         | RR5243054028000 | 68   | 34     | 18,4   |
| 54x32     | 5   | 50         | RR5243054032000 | 72   | 34     | 23     |
| 54x35     | 5   | 50         | RR5243054035000 | 72   | 34     | 23     |
| 54x40     | 5   | 50         | RR5243054040000 | 71   | 34     | 27     |
| 54x42     | 5   | 50         | RR5243054042000 | 72   | 34     | 27     |
| 54x52     | 5   | 50         | RR5243054052000 | 72   | 34     | 27     |
| 63x42     | 1   | 50         | RR5243063042000 | 80   | 34,5   | 27     |
| 63x52     | 1   | 50         | RR5243063052000 | 81   | 34,5   | 32     |
| 63x54     | 1   | 25         | RR5243063054000 | 80   | 34,5   | 32     |
| 64x35     | 1   | 10         | RR5243064035000 | 81   | 34,5   | 23     |
| 64x42     | 1   | 40         | RR5243064042000 | 80   | 34,5   | 27     |
| 64x54     | 1   | 40         | RR5243064054000 | 77   | 34,5   | 32     |
| 67x42     | 1   | 40         | RR5243067042000 | 85   | 36,5   | 27     |
| 67x54     | 1   | 24         | RR5243067054000 | 83   | 36,5   | 32     |
| 70x42     | 1   | 10         | RR5243070042000 | 83   | 36,5   | 27     |
| 76,1x35   | 1   | 24         | RR5243076035000 | 86   | 36,5   | 23     |
| 76,1x42   | 1   | 24         | RR5243076042000 | 85   | 36,5   | 27     |
| 76,1x54   | 1   | 30         | RR5243076054000 | 89   | 36,5   | 32     |
| 76,1x64   | 1   | 15         | RR5243076064000 | 82   | 36,5   | 32,5   |
| 76,1x67   | 1   | 10         | RR5243076067000 | 81   | 36,5   | 33,5   |
| 80x54     | 1   | 10         | RR5243080054000 | 91   | 38,5   | 32     |
| 80x64     | 1   | 5          | RR5243080064000 | 87   | 38,5   | 32,5   |
| 80x67     | 1   | 10         | RR5243080067000 | 87   | 38,5   | 33,5   |
| 85x63     | 1   | 10         | RR5243085063000 | 93   | 40,5   | 32,5   |
| 88,9x54   | 1   | 10         | RR5243089054000 | 97   | 40,5   | 32     |
| 88,9x64   | 1   | 20         | RR5243089064000 | 95   | 40,5   | 32,5   |
| 88,9x76,1 | 1   | 10         | RR5243089076000 | 91   | 40,5   | 33,5   |
| 108x54    | 1   | 5          | RR5243108054000 | 116  | 51,5   | 32     |
| 108x64    | 1   | 5          | RR5243108064000 | 115  | 51,5   | 32,5   |
| 108x67    | 1   | 10         | RR5243108067000 | 113  | 51,5   | 33,5   |
| 108x76,1  | 1   | 5          | RR5243108076000 | 111  | 51,5   | 33,5   |
| 108x88,9  | 1   | 5          | RR5243108089000 | 109  | 51,5   | 37,5   |



## Art. RR5060

- F/F 180° bend.
- Doppelbogen 180° I/I.
- Coude 180° F/F.
- Curva doble 180° H/H.
- Угол 180° B-B.

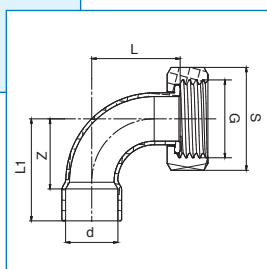
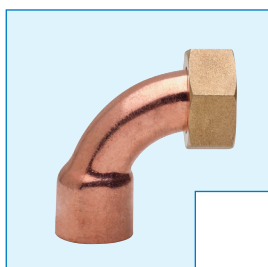
| d  | BAG | MASTER BOX | CODE            | A    | B min, | C   | R    |
|----|-----|------------|-----------------|------|--------|-----|------|
| 10 | 10  | 300        | RR5060010010000 | 24,5 | 7,8    | 30  | 15   |
| 12 | 10  | 250        | RR5060012012000 | 27   | 8,6    | 36  | 18   |
| 14 | 10  | 200        | RR5060014014000 | 35   | 10,6   | 45  | 22,5 |
| 15 | 10  | 100        | RR5060015015000 | 30,5 | 10,6   | 45  | 22,5 |
| 16 | 10  | 150        | RR5060016016000 | 35   | 10,6   | 48  | 24   |
| 18 | 10  | 150        | RR5060018018000 | 39,5 | 12,6   | 54  | 27   |
| 22 | 10  | 60         | RR5060022022000 | 47   | 15,4   | 66  | 32   |
| 28 | 5   | 60         | RR5060028028000 | 59   | 18,4   | 84  | 42   |
| 35 | 5   | 30         | RR5060035035000 | 93   | 23     | 140 | 47,5 |
| 42 | 1   | 12         | RR5060042042000 | 112  | 27     | 168 | 84   |
| 54 | 1   | 6          | RR5060054054000 | 140  | 32     | 216 | 108  |



## Art. RR5301

- F plug.
- Kappe I.
- Bouchon F.
- Tapón Hembra.
- Заглушка В.

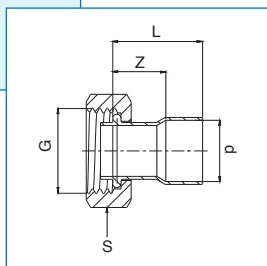
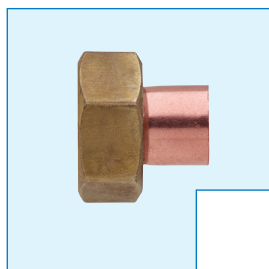
| d    | BAG | MASTER BOX | CODE            | H min, | L min, |
|------|-----|------------|-----------------|--------|--------|
| 8    | 10  | 600        | RR5301008000000 | 9      | 6,8    |
| 10   | 10  | 2500       | RR5301010000000 | 9,5    | 7,8    |
| 12   | 10  | 1500       | RR5301012000000 | 10     | 8,6    |
| 14   | 10  | 1000       | RR5301014000000 | 12,5   | 10,6   |
| 15   | 10  | 600        | RR5301015000000 | 12,5   | 10,6   |
| 16   | 10  | 400        | RR5301016000000 | 12,5   | 10,6   |
| 18   | 10  | 500        | RR5301018000000 | 14,5   | 12,6   |
| 22   | 10  | 300        | RR5301022000000 | 17,5   | 15,4   |
| 28   | 10  | 200        | RR5301028000000 | 21     | 18,4   |
| 35   | 5   | 100        | RR5301035000000 | 25,5   | 23     |
| 42   | 5   | 70         | RR5301042000000 | 30     | 27     |
| 54   | 5   | 100        | RR5301054000000 | 36     | 32     |
| 64   | 1   | 50         | RR5301064000000 | 37,5   | 32,5   |
| 66,7 | 1   | 30         | RR5301067000000 | 40     | 33,5   |
| 76   | 1   | 25         | RR5301076000000 | 40     | 33,5   |
| 80   | 1   | 25         | RR5301080000000 | 43     | 35,5   |
| 89   | 1   | 25         | RR5301089000000 | 45     | 37,5   |
| 108  | 1   | 5          | RR5301108000000 | 55     | 108    |



## Art. RD5002

- F/female thread 90° elbow + gasket seat.
- Bogenverschraubung 90° mit G Gewinde.
- Courbe 90° F avec siège pour joint plat, filetage femelle.
- Curva 90° H/rosca hembra con sede para junta.
- Угол 90° с гнездом под плоскую прокладку В.

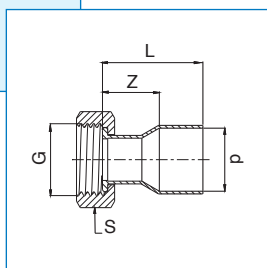
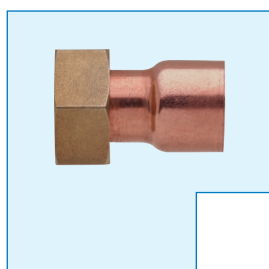
| Gxd     | BAG | MASTER BOX | CODE            | L  | L1 | S  | Z  |
|---------|-----|------------|-----------------|----|----|----|----|
| 3/8"x12 | 10  | 200        | RD5002A38012000 | 23 | 25 | 20 | 17 |
| 1/2"x12 | 10  | 150        | RD5002A12012000 | 23 | 25 | 24 | 17 |
| 1/2"x14 | 10  | 150        | RD5002A12014000 | 27 | 31 | 24 | 20 |
| 1/2"x15 | 10  | 150        | RD5002A12015000 | 26 | 28 | 24 | 18 |
| 1/2"x16 | 10  | 100        | RD5002A12016000 | 25 | 31 | 24 | 21 |
| 3/4"x15 | 10  | 150        | RD5002A34015000 | 35 | 39 | 30 | 29 |
| 3/4"x16 | 10  | 100        | RD5002A34016000 | 35 | 39 | 30 | 29 |
| 3/4"x18 | 10  | 100        | RD5002A34018000 | 34 | 38 | 30 | 26 |
| 3/4"x22 | 10  | 150        | RD5002A34022000 | 32 | 41 | 30 | 26 |



## Art. B5358T

-  Female thread valve connector with a swivel nut in brass + gasket.
-  Halbe Verschraubung mit G Gewinde + OR.
-  Raccord droit avec écrou en laiton filetage femelle + joint.
-  Conexión rosca hembra con tuerca giratoria de latón + junta.
-  Фитинг прямой с накидной гайкой из латуни В.

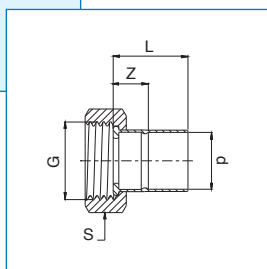
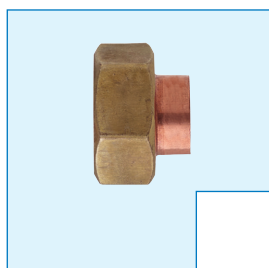
| Gxd     | BAG | MASTER BOX | CODE            | L min, | S  | Z  |
|---------|-----|------------|-----------------|--------|----|----|
| 1/2"x15 | 25  | 250        | B5358TA12015000 | 28,5   | 24 | 18 |
| 3/4"x15 | 10  | 200        | B5358TA34015000 | 28,5   | 30 | 18 |
| 3/4"x22 | 10  | 150        | B5358TA34022000 | 38,5   | 30 | 23 |



## Art. B5358G

-  Female thread valve connector with a swivel nut in brass.
-  Halbe Verschraubung mit G Gewinde.
-  Raccord droit avec écrou en laiton filetage femelle.
-  Conexión rosca hembra con tuerca giratoria de latón.
-  Фитинг прямой с накидной гайкой из латуни В.

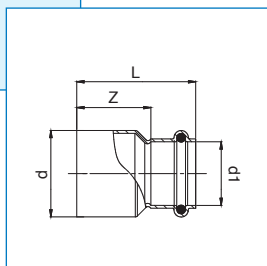
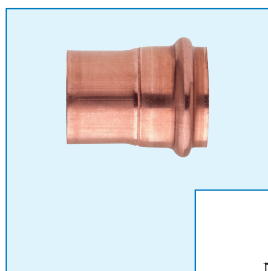
| Gxd      | BAG | MASTER BOX | CODE            | L min, | S  | Z  |
|----------|-----|------------|-----------------|--------|----|----|
| 3/8"x12  | 10  | 150        | B5358GA38012000 | 22     | 21 | 13 |
| 1/2"x10  | 10  | 250        | B5358GA12010000 | 21     | 24 | 13 |
| 1/2"x12  | 10  | 250        | B5358GA12012000 | 25     | 24 | 16 |
| 1/2"x14  | 10  | 250        | B5358GA12014000 | 25     | 24 | 14 |
| 1/2"x15  | 10  | 250        | B5358GA12015000 | 25     | 24 | 14 |
| 1/2"x16  | 10  | 200        | B5358GA12016000 | 25     | 24 | 14 |
| 3/4"x12  | 10  | 200        | B5358GA34012000 | 25     | 30 | 16 |
| 3/4"x14  | 10  | 200        | B5358GA34014000 | 26     | 30 | 15 |
| 3/4"x15  | 10  | 200        | B5358GA34015000 | 27     | 30 | 16 |
| 3/4"x16  | 10  | 200        | B5358GA34016000 | 27     | 30 | 16 |
| 3/4"x18  | 10  | 150        | B5358GA34018000 | 28     | 30 | 15 |
| 3/4"x20  | 10  | 150        | B5358GA34020000 | 34     | 30 | 19 |
| 3/4"x22  | 10  | 150        | B5358GA34022000 | 34     | 30 | 19 |
| 1"x18    | 10  | 100        | B5358GB01018000 | 31     | 37 | 18 |
| 1"x22    | 10  | 100        | B5358GB01022000 | 35     | 37 | 20 |
| 1"1/4x28 | 10  | 50         | B5358GB14028000 | 39     | 46 | 21 |
| 2"x54    | 1   | 16         | B5358GC02054000 | 67     | 64 | 35 |



## Art. B5359G

-  Female thread valve connector with a swivel nut in brass.
-  Halbe Verschraubung mit G Gewinde.
-  Raccord droit avec écrou en laiton filetage femelle.
-  Conexión rosca hembra con tuerca giratoria de latón.
-  Фитинг прямой с накидной гайкой из латуни В.

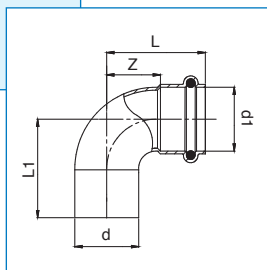
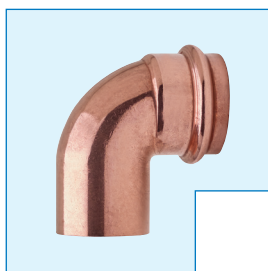
| Gxd      | BAG | MASTER BOX | CODE            | L min, | S  | Z  |
|----------|-----|------------|-----------------|--------|----|----|
| 1/2"x10  | 10  | 200        | B5359GA12010000 | 20     | 24 | 12 |
| 1/2"x12  | 10  | 250        | B5359GA12012000 | 20     | 24 | 11 |
| 1/2"x14  | 10  | 250        | B5359GA12014000 | 20     | 24 | 10 |
| 1/2"x15  | 10  | 250        | B5359GA12015000 | 20     | 24 | 10 |
| 3/4"x12  | 10  | 100        | B5359GA34012000 | 20     | 30 | 11 |
| 3/4"x14  | 25  | 250        | B5359GA34014000 | 20     | 30 | 10 |
| 3/4"x15  | 10  | 200        | B5359GA34015000 | 20     | 30 | 10 |
| 3/4"x16  | 10  | 200        | B5359GA34016000 | 20     | 30 | 10 |
| 3/4"x18  | 10  | 150        | B5359GA34018000 | 22     | 30 | 10 |
| 1"x18    | 10  | 100        | B5359GB01018000 | 22     | 37 | 10 |
| 1"x22    | 10  | 100        | B5359GB01022000 | 25     | 37 | 10 |
| 1"1/4x28 | 10  | 50         | B5359GB14028000 | 28     | 46 | 10 |



## Art. RJ5243

- M solder/F press coupling with O-ring.
- Löt/Press-Muffe A/I mit O-Ringe.
- Manchon M à souder/F à sertir avec joint torique.
- Manguito M para soldar/H para presionar con O-ring.
- Муфта с уплотнительным кольцом Н-В.

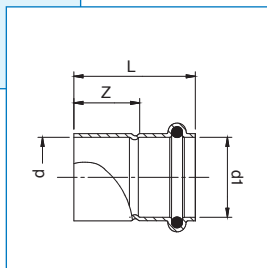
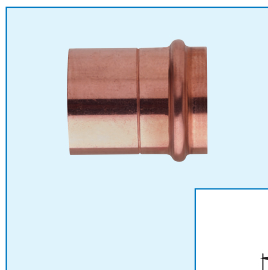
| dxd1  | BAG | MASTER BOX | CODE            | L  | Z  |
|-------|-----|------------|-----------------|----|----|
| 32x32 | 5   | 50         | RJ5243032032000 | 47 | 25 |
| 40x40 | 10  | 50         | RJ5243040040000 | 56 | 31 |



## Art. RJ5092

- M solder/F press 90° elbow with O-ring.
- Löt/Press-Winkel 90° A/I mit O-Ringe.
- Coude 90° M à souder/F à sertir avec joint torique.
- Codo 90° M para soldar/H para presionar con O-ring.
- Угол 90° с уплотнительным кольцом Н-В.

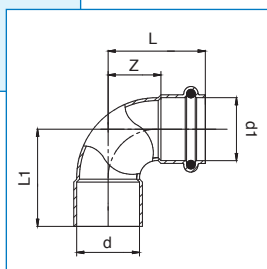
| dxd1  | BAG | MASTER BOX | CODE            | L  | L1 | Z  |
|-------|-----|------------|-----------------|----|----|----|
| 32x32 | 10  | 50         | RJ5092032032000 | 40 | 44 | 16 |
| 40x40 | 10  | 50         | RJ5092040040000 | 51 | 53 | 21 |



## Art. RJ5270

- F solder/F press coupling with O-ring.
- Löt/Press-Muffe I/I mit O-Ringe.
- Manchon F à souder/F à sertir avec joint torique.
- Manguito H para soldar/H para presionar con O-ring.
- Муфта с уплотнительным кольцом В-В.

| dxd1  | BAG | MASTER BOX | CODE            | L  | Z  |
|-------|-----|------------|-----------------|----|----|
| 32x32 | 5   | 50         | RJ5270032032000 | 46 | 25 |
| 40x40 | 10  | 50         | RJ5270040040000 | 55 | 30 |
| 52x52 | 5   | 50         | RJ5270052052000 | 66 | 36 |



## Art. RJ5090

- F solder/F press 90° elbow with O-ring.
- Löt/Press-Winkel 90° I/I mit O-Ringe.
- Coude 90° F à souder/F à sertir avec joint torique.
- Codo 90° H para soldar/H para presionar con O-ring.
- Угол 90° с уплотнительным кольцом В-В.

| dxd1  | BAG | MASTER BOX | CODE            | L  | L1 | Z  |
|-------|-----|------------|-----------------|----|----|----|
| 32x32 | 10  | 50         | RJ5090032032000 | 40 | 41 | 17 |
| 40x40 | 10  | 50         | RJ5090040040000 | 51 | 48 | 21 |