LESSO

# PVC-U Water Pipe and Fittings

www.lesso.com

# CHINA LESSO GROUP HOLDINGS LIMITED

China Lesso Group Holdings Limited (Stock Name: China Lesso, Stock Code: 02128.HK) is a large industrial group of home furnishings and building materials in China. China Lesso' s business portfolio spans plastic piping, building materials and home furnishings, environmental protection, supply-chain service platforms and the photovoltaic sector. It offers products such as pipes, photovoltaics, plumbing and sanitary ware, integral kitchen materials, integral doors and windows, aluminum formwork and smart scaffolds, water purifiers, water-proofing materials and sealants, fire-fighting equipment, valves, cables, lighting, hygiene materials, items for environmental protection, agricultural facilities, and oceanic aquaculture cages. Its sales revenue has reached RMB 32.058 billion in 2021.

With the rapid development of internationalization and globalization, China Lesso boasts more than 30 advanced production bases distributed in 18 provinces across China, and in some foreign countries. China Lesso remains committed to improving its strategic layout, broadening its sales network and expanding the market. This is how it provides products and services for customers in a timely and efficient way.

China Lesso has established its R&D center with more than 1,000 scientific researchers. The Group now possesses twenty-eight national high-tech enterprises, one national accredited enterprise technology center, two post-doctoral workstations, five China national accredited laboratories authorized by CNAS, one key enterprise laboratory of plastics molding and processing technology in Guangdong Province, and one union of Technical Innovation of Plastic Pipe Industry in Guangdong Province.

China Lesso owns over 2200 patents (some of them are pending). Some of Lesso' s scientific achievements are included in National Torch Plan Projects, National Key New Product, Scientific Achievements Promotion Projects in National Construction Industry and Government Green Procurement List. The Group has been awarded many honorary titles and prizes, such as Champion Manufacturer, China Construction Independent Science Innovation Superior Enterprise, Intellectual Property Right Preponderant Enterprise, Industrialization Demonstration Base, Outstanding Patent Owner in China, Guangdong Provincial Government Quality Prize, and the First Prize of Scientific Technological Progress in Guangdong Province, and the First Prize of Scientific Technological Progress of China Light Industry Association.

As a domestic manufacturer of extensive home furnishings and building materials, China Lesso provides over 10,000 varieties of products with all specifications. Its products are being widely used in many areas, including home decoration, civil construction, municipal water supply, drainage, power supply and telecommunications, gas supply, fire-fighting, environmental protection, agriculture, oceanic aquaculture, and photovoltaic power generation.

True to its slogan of "Envisioning the Better, Building the Future", China Lesso will honor its promise of creating a healthy, enjoyable, and sustainable environment. The Group remains committed to improvements in urban construction to create better places to live. With concerted efforts from various sectors, Lesso will fully play its role in building green, livable, and efficient cities so that people could enjoy health and happiness anytime and anywhere in their city life.

LESSO Research Institute & Testing Center

LESSO College

Training Apartment

LESSO Headquarter

## FEEL THE BETTER LIFE

Pipes, Building Materials and Home Furnishings,
Environmental Protection, Channels and Services

# Contents

## PVC-U Water Pipe and Fittings

### ISO Standard Series

PVC-U Water Pipe ..... 01
PVC-U Plain End Pipe ..... 02-04
PVC-U Belled End Pipe ..... 05-06
PVC-U Gasketed Pipe ..... 07-09
PVC-U Infiltration Water Pipe ..... 10
PVC-U Solvent Weld Fittings ..... 11-28
PVC-U Gasketed Fittings ..... 29-32
Steel Gasketed Fittings ..... 33-38

Installations ..... 39-46
Certifications ..... 47-51

Illustration of commercial mark included
in pipes's and fittings' publicity materials:

LESSO 联塑 L&S LIANSU L&S

All above trademarks are registered trademarks of
Guangdong lesso technology Industrial Co., LTD.
Please be informed that the products labeled those trademarks are
products of lesso Group Company Limited. All rights reserved.

## Product Overview

- **Material:** Unplasticized Poly (Vinyl Chloride)
- **Pressure Rating:** 0.63MPa, 0.8MPa, 1.0MPa, 1.25MPa, 1.6MPa, 2.0MPa, 2.5MPa.
- **Size:** full 20mm through 630mm availability.
- **Standard:** GB/T 10002.1 (Refering to ISO1452), BS6920
- **Colors:** blue, white or other colors are available upon request.
- **Form Supplied:** plain end pipe, belled end pipe or gasketed. pipe with 5.8m or other length are available upon request.

## Advantages

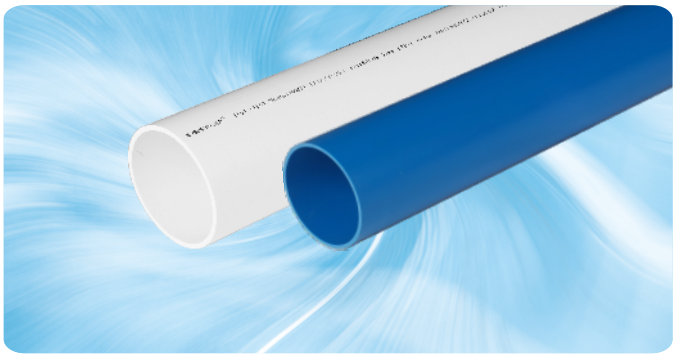
- **Sanitary**
  There is no heavy metal additives in PVC-U water pipe and it would not be covered with dirt or contaminated by bacterium.
- **High Flow Capacity**
  The smooth interior walls and low friction of PVC-U water pipe result in low flow resistance and high volume.
- **Corrosion Resistance**
  PVC-U water pipe is non-conductors of electricity and unaffected by electrochemical reactions caused by acids, bases, and salts that cause corrosion in metals.
- **Low Installation costs**
  PVC-U water pipe is lightweight and is installed with solvent cement, thread, flange, and gasketed joint. Ease of installation reduces the installation costs.
- **Longevity**
  PVC-U water pipe can work for more than 50 years under proper use.
- **Environment-friendly** PVC-U water pipe can be recycled.

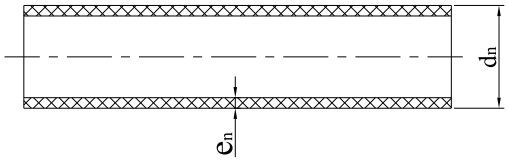
## Applications

- Municipal water supply
- Commercial & Residential water supply
- Industrial liquids transportation
- Sewage treatment

## Physical Properties

| Properties | | Typical Value |
|---|---|---|
| Specific Gravity, g/cm$^3$ (20℃) | | 1.35 ~ 1.46 |
| Vicat Softening Temperature, ℃ | | ≥80 |
| Longitudinal Reversion, % (150℃) | | ≤5 |
| Dichloromethane Resistance Test, (15℃, 15min) | | No Change |
| Falling Weight Impact Test,TIR, % (0℃) | | ≤5 |
| Hydraulic Pressure Test | 20℃, 1h, Hoop Stress is 36MPa ($d_n$ < 40mm) | No Failure |
| | 20℃, 1h, Hoop Stress is 38MPa ($d_n$ ≥40mm) | No Failure |
| | 20℃, 100h, Hoop Stress is 30MPa (All Size) | No Failure |
| | 60℃, 1000h, Hoop Stress is 10MPa (All Size) | No Failure |
| Fitness Test for Purpose of the System | Leaktightness Test | No Failure |
| | Negative Pressure Test for Leaktightness[a] | No Failure |
| | Angular Deflection Test for Leaktightness[a] | No Failure |
| | [a]for gasketed joint | |






**$d_n$:** Nominal Outside Diameter
**$e_n$:** Nominal Wall Thickness
**PN:** Nominal Pressure (unit: MPa)
**S:** Pipe Series
**SDR:** Standard Dimension Rate

## PN 0.63

| SAP Number (white/5.8M) | SAP Number (blue/5.8M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010011715 | 8010010059 | 16 | 33 | 63 | 2.0 |
| 8010012100 | 8010010888 | 16 | 33 | 75 | 2.3 |
| 8010011119 | 8010010889 | 16 | 33 | 90 | 2.8 |
| 8010011103 | 8010010862 | 20 | 41 | 110 | 2.7 |
| | | 20 | 41 | 125 | 3.1 |
| | | 20 | 41 | 140 | 3.5 |
| 8010011883 | | 20 | 41 | 160 | 4.0 |
| | | 20 | 41 | 180 | 4.4 |
| 8010011107 | 8010010050 | 20 | 41 | 200 | 4.9 |
| 8010012705 | | 20 | 41 | 225 | 5.5 |
| | 8010012020 | 20 | 41 | 250 | 6.2 |
| | | 20 | 41 | 280 | 6.9 |
| 8010012047 | | 20 | 41 | 315 | 7.7 |
| | | 20 | 41 | 355 | 8.7 |
| | | 20 | 41 | 400 | 9.8 |
| | | 20 | 41 | 500 | 12.3 |
| | | 20 | 41 | 630 | 15.4 |

## PN 0.8

| SAP Number (white/5.8M) | SAP Number (blue/5.8M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010086 | 8010010900 | 12.5 | 26 | 50 | 2.0 |
| 8010012075 | 8010010990 | 12.5 | 26 | 63 | 2.5 |
| 8010010822 | 8010011007 | 12.5 | 26 | 75 | 2.9 |
| 8010011638 | 8010011008 | 12.5 | 26 | 90 | 3.5 |
| 8010011131 | 8010011009 | 16 | 33 | 110 | 3.4 |
| | | 16 | 33 | 125 | 3.9 |
| | 8010010105 | 16 | 33 | 140 | 4.3 |
| | | 16 | 33 | 160 | 4.9 |
| | | 16 | 33 | 180 | 5.5 |
| | | 16 | 33 | 200 | 6.2 |
| | | 16 | 33 | 225 | 6.9 |
| | | 16 | 33 | 250 | 7.7 |
| | | 16 | 33 | 280 | 8.6 |
| | | 16 | 33 | 315 | 9.7 |
| | | 16 | 33 | 355 | 10.9 |
| 8010011963 | 8010011961 | 16 | 33 | 400 | 12.3 |
| | | 16 | 33 | 500 | 15.3 |
| | | 16 | 33 | 630 | 19.3 |

## PN 1.0

| SAP Number (white/5.8M) | SAP Number (blue/5.8M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010160 | 8010010830 | 10 | 21 | 40 | 2.0 |
| 8010010169 | 8010010819 | 10 | 21 | 50 | 2.4 |
| 8010012203 | 8010010824 | 10 | 21 | 63 | 3.0 |
| 8010010179 | 8010010820 | 10 | 21 | 75 | 3.6 |
| 8010011766 | 8010010817 | 10 | 21 | 90 | 4.3 |
| 8010010128 | 8010010826 | 12.5 | 26 | 110 | 4.2 |
| 8010012857 | | 12.5 | 26 | 125 | 4.8 |
| | 8010011694 | 12.5 | 26 | 140 | 5.4 |
| 8010010139 | 8010010829 | 12.5 | 26 | 160 | 6.2 |
| | | 12.5 | 26 | 180 | 6.9 |
| 8010011521 | 8010012134 | 12.5 | 26 | 200 | 7.7 |
| 8010012527 | | 12.5 | 26 | 225 | 8.6 |
| 8010010152 | | 12.5 | 26 | 250 | 9.6 |
| | | 12.5 | 26 | 280 | 10.7 |
| 8010012583 | | 12.5 | 26 | 315 | 12.1 |
| | | 12.5 | 26 | 355 | 13.6 |
| 8010012584 | 8010012133 | 12.5 | 26 | 400 | 15.3 |
| | 8010011903 | 12.5 | 26 | 500 | 19.1 |
| | 8010011902 | 12.5 | 26 | 630 | 24.1 |

## PN 1.25

| SAP Number (white/5.8M) | SAP Number (blue/5.8M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010238 | 8010010868 | 8 | 17 | 32 | 2.0 |
| 8010012704 | 8010011010 | 8 | 17 | 40 | 2.4 |
| 8010010828 | 8010010991 | 8 | 17 | 50 | 3.0 |
| 8010012204 | | 8 | 17 | 63 | 3.8 |
| 8010011507 | | 8 | 17 | 75 | 4.5 |
| 8010011506 | | 8 | 17 | 90 | 5.4 |
| 8010012207 | 8010011505 | 10 | 21 | 110 | 5.3 |
| 8010011504 | | 10 | 21 | 125 | 6.0 |
| 8010012920 | | 10 | 21 | 140 | 6.7 |
| 8010012205 | 8010011503 | 10 | 21 | 160 | 7.7 |
| | | 10 | 21 | 180 | 8.6 |
| 8010011474 | | 10 | 21 | 200 | 9.6 |
| | | 10 | 21 | 225 | 10.8 |
| 8010012206 | | 10 | 21 | 250 | 11.9 |
| | | 10 | 21 | 280 | 13.4 |
| | | 10 | 21 | 315 | 15.0 |
| | | 10 | 21 | 355 | 16.9 |
| | | 10 | 21 | 400 | 19.1 |
| | | 10 | 21 | ★ 500 | 23.9 |
| | | 10 | 21 | ★ 630 | 30.0 |

* The product mold marked as "★" on this page has not been improved, please note.

## PN 1.6

| SAP Number (white/5.8M) | SAP Number (blue/5.8M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010292 | 8010010872 | 6.3 | 13.6 | 25 | 2.0 |
| 8010010303 | | 6.3 | 13.6 | 32 | 2.4 |
| 8010010312 | 8010011463 | 6.3 | 13.6 | 40 | 3.0 |
| 8010010319 | 8010011462 | 6.3 | 13.6 | 50 | 3.7 |
| 8010010429 | 8010010825 | 6.3 | 13.6 | 63 | 4.7 |
| 8010010818 | 8010010359 | 6.3 | 13.6 | 75 | 5.6 |
| 8010010333 | 8010010362 | 6.3 | 13.6 | 90 | 6.7 |
| 8010010276 | 8010010336 | 8 | 17 | 110 | 6.6 |
| | | 8 | 17 | 125 | 7.4 |
| | | 8 | 17 | 140 | 8.3 |
| 8010010815 | 8010010340 | 8 | 17 | 160 | 9.5 |
| | | 8 | 17 | 180 | 10.7 |
| | 8010011906 | 8 | 17 | 200 | 11.9 |
| 8010010959 | | 8 | 17 | 225 | 13.4 |
| 8010011641 | | 8 | 17 | 250 | 14.8 |
| | 8010011905 | 8 | 17 | 280 | 16.6 |
| 8010012952 | 8010011473 | 8 | 17 | 315 | 18.7 |
| | 8010011904 | 8 | 17 | 355 | 21.1 |
| | | 8 | 17 | 400 | 23.7 |
| | | 8 | 17 | ★ 500 | 29.7 |

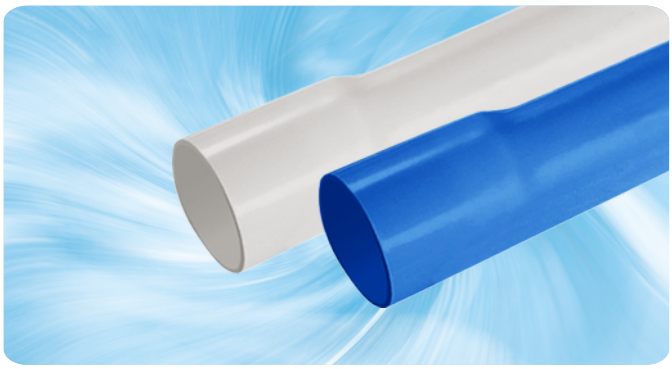
## PN 2.0

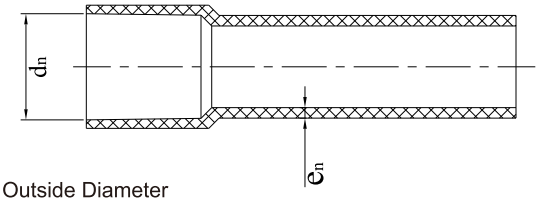
| SAP Number (white/5.8M) | SAP Number (blue/5.8M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010368 | 8010010873 | 5 | 11 | 20 | 2.0 |
| 8010011015 | | 5 | 11 | 25 | 2.3 |
| 8010010821 | 8010011886 | 5 | 11 | 32 | 2.9 |
| 8010011659 | | 5 | 11 | 40 | 3.7 |
| 8010011016 | | 5 | 11 | 50 | 4.6 |
| 8010011017 | | 5 | 11 | ★ 63 | 5.8 |
| | | 5 | 11 | ★ 75 | 6.9 |
| | | 5 | 11 | ★ 90 | 8.2 |
| | | 6.3 | 13.6 | ★ 110 | 8.1 |
| | | 6.3 | 13.6 | ★ 125 | 9.2 |
| | | 6.3 | 13.6 | ★ 140 | 10.3 |
| | | 6.3 | 13.6 | 160 | 11.8 |
| | | 6.3 | 13.6 | ★ 180 | 13.3 |
| | | 6.3 | 13.6 | ★ 200 | 14.7 |
| | | 6.3 | 13.6 | ★ 225 | 16.6 |
| | | 6.3 | 13.6 | ★ 250 | 18.4 |
| | | 6.3 | 13.6 | ★ 280 | 20.6 |
| | | 6.3 | 13.6 | ★ 315 | 23.2 |
| | | 6.3 | 13.6 | ★ 355 | 26.1 |
| | | 6.3 | 13.6 | ★ 400 | 29.4 |
| | | 6.3 | 13.6 | ★ 500 | 36.8 |

## PN 2.5

| SAP Number (white/5.8M) | SAP Number (blue/5.8M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010389 | | 4 | 9 | 20 | 2.3 |
| | | 4 | 9 | 25 | 2.8 |
| | | 4 | 9 | 32 | 3.6 |
| | | 4 | 9 | 40 | 4.5 |
| 8010011018 | | 4 | 9 | 50 | 5.6 |
| 8010011019 | | 4 | 9 | ★ 63 | 7.1 |
| 8010011020 | | 4 | 9 | ★ 75 | 8.4 |
| | | 4 | 9 | ★ 90 | 10.1 |
| | | 5 | 11 | ★ 110 | 10.0 |
| | | 5 | 11 | ★ 125 | 11.4 |
| | | 5 | 11 | ★ 140 | 12.7 |
| | | 5 | 11 | ★ 160 | 14.6 |
| | | 5 | 11 | ★ 180 | 16.4 |
| | | 5 | 11 | ★ 200 | 18.2 |

* The product mold marked as "★" on this page has not been improved, please note.






**$d_n$:** Nominal Outside Diameter

**$e_n$:** Nominal Wall Thickness

**PN:** Nominal Pressure (unit: MPa)

**S:** Pipe Series

**SDR:** Standard Dimension Rate

## PN 0.63

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010449 | 8010010458 | 16 | 33 | 63 | 2.0 |
| 8010010453 | 8010010459 | 16 | 33 | 75 | 2.3 |
| 8010010456 | 8010010460 | 16 | 33 | 90 | 2.8 |

## PN 0.8

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010467 | 8010010476 | 12.5 | 26 | 50 | 2.0 |
| 8010010469 | 8010010478 | 12.5 | 26 | 63 | 2.5 |
| 8010010882 | 8010010479 | 12.5 | 26 | 75 | 2.9 |
| 8010010472 | 8010010481 | 12.5 | 26 | 90 | 3.5 |

## PN 1.0

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010489 | 8010011282 | 10 | 21 | 40 | 2.0 |
| 8010010490 | 8010010502 | 10 | 21 | 50 | 2.4 |
| 8010010492 | 8010010504 | 10 | 21 | 63 | 3.0 |
| 8010010495 | 8010010884 | 10 | 21 | 75 | 3.6 |
| 8010010497 | 8010010505 | 10 | 21 | 90 | 4.3 |

## PN 1.25

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010509 | 8010010809 | 8 | 17 | 32 | 2.0 |
| 8010010885 | 8010010808 | 8 | 17 | 40 | 2.4 |
| 8010010512 | 8010010807 | 8 | 17 | 50 | 3.0 |
| 8010010513 | 8010010516 | 8 | 17 | 63 | 3.8 |
| 8010010514 | 8010010806 | 8 | 17 | 75 | 4.5 |
| 8010010855 | 8010010844 | 8 | 17 | 90 | 5.4 |

## PN 1.6

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010518 | 8010010856 | 6.3 | 13.6 | 25 | 2.0 |
| 8010010522 | 8010010805 | 6.3 | 13.6 | 32 | 2.4 |
| 8010011294 | 8010011890 | 6.3 | 13.6 | 40 | 3.0 |
| 8010011295 | 8010010857 | 6.3 | 13.6 | 50 | 3.7 |
| 8010010526 | 8010010533 | 6.3 | 13.6 | 63 | 4.7 |
| 8010010528 | 8010010804 | 6.3 | 13.6 | 75 | 5.6 |
| 8010010858 | 8010010534 | 6.3 | 13.6 | 90 | 6.7 |

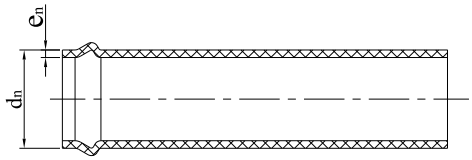
## PN 2.0

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010539 | 8010012655 | 5 | 11 | 20 | 2.0 |
| 8010011300 | | 5 | 11 | 25 | 2.3 |
| | | 5 | 11 | 32 | 2.9 |
| | | 5 | 11 | 40 | 3.7 |
| | | 5 | 11 | 50 | 4.6 |
| | | 5 | 11 | ★ 63 | 5.8 |
| | | 5 | 11 | ★ 75 | 6.9 |
| | | 5 | 11 | ★ 90 | 8.2 |

## PN 2.5

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010542 | | 4 | 9 | 20 | 2.3 |
| 8010012602 | | 4 | 9 | 25 | 2.8 |
| | | 4 | 9 | 32 | 3.6 |
| | | 4 | 9 | 40 | 4.5 |
| | | 4 | 9 | 50 | 5.6 |
| | | 4 | 9 | ★ 63 | 7.1 |
| | | 4 | 9 | ★ 75 | 8.4 |
| | | 4 | 9 | ★ 90 | 10.1 |

* The product mold marked as "★" on this page has not been improved, please note.




**$d_n$:** Nominal Outside Diameter

**$e_n$:** Nominal Wall Thickness

**PN:** Nominal Pressure (unit: MPa)

**S:** Pipe Series

**SDR:** Standard Dimension Rate

## PN 0.63

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010573 | 8010010597 | 16 | 33 | 63 | 2.0 |
| 8010010576 | 8010010599 | 16 | 33 | 75 | 2.3 |
| 8010010579 | 8010010602 | 16 | 33 | 90 | 2.8 |
| 8010010549 | 8010010582 | 20 | 41 | 110 | 2.7 |
| 8010010550 | 8010011314 | 20 | 41 | 125 | 3.1 |
| 8010011306 | 8010011316 | 20 | 41 | 140 | 3.5 |
| 8010010555 | 8010010584 | 20 | 41 | 160 | 4.0 |
| 8010010556 | | 20 | 41 | 180 | 4.4 |
| 8010010559 | 8010010586 | 20 | 41 | 200 | 4.9 |
| 8010010561 | 8010010587 | 20 | 41 | 225 | 5.5 |
| 8010010563 | 8010010589 | 20 | 41 | 250 | 6.2 |
| 8010011775 | | 20 | 41 | 280 | 6.9 |
| 8010010566 | 8010010591 | 20 | 41 | 315 | 7.7 |
| 8010010850 | 8010010592 | 20 | 41 | 355 | 8.7 |
| 8010010568 | 8010010594 | 20 | 41 | 400 | 9.8 |
| | | 20 | 41 | 450 | 11.0 |
| 8010010570 | 8010010595 | 20 | 41 | 500 | 12.3 |
| 8010011312 | 8010011325 | 20 | 41 | 630 | 15.4 |

## PN 0.8

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010623 | 8010010643 | 12.5 | 26 | 63 | 2.5 |
| 8010010626 | 8010010645 | 12.5 | 26 | 75 | 2.9 |
| 8010010628 | 8010010647 | 12.5 | 26 | 90 | 3.5 |
| 8010010607 | 8010010630 | 16 | 33 | 110 | 3.4 |
| 8010011328 | 8010011344 | 16 | 33 | 125 | 3.9 |
| 8010011330 | 8010010631 | 16 | 33 | 140 | 4.3 |
| 8010010609 | 8010010633 | 16 | 33 | 160 | 4.9 |
| 8010010610 | 8010011346 | 16 | 33 | 180 | 5.5 |
| 8010010612 | 8010010635 | 16 | 33 | 200 | 6.2 |
| 8010011333 | 8010011347 | 16 | 33 | 225 | 6.9 |
| 8010010614 | 8010010637 | 16 | 33 | 250 | 7.7 |
| | | 16 | 33 | 280 | 8.6 |
| 8010010616 | 8010010639 | 16 | 33 | 315 | 9.7 |
| 8010010617 | | 16 | 33 | 355 | 10.9 |
| 8010010619 | 8010010640 | 16 | 33 | 400 | 12.3 |
| 8010010621 | 8010010641 | 16 | 33 | 500 | 15.3 |
| 8010010624 | | 16 | 33 | 630 | 19.3 |

**Note:** The PVC-U gasketed pipe is sold with gasket.

## PN 1.0

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010690 | 8010010717 | 10 | 21 | 63 | 3.0 |
| 8010010695 | 8010010720 | 10 | 21 | 75 | 3.6 |
| 8010010698 | 8010010723 | 10 | 21 | 90 | 4.3 |
| 8010010656 | 8010010701 | 12.5 | 26 | 110 | 4.2 |
| 8010010659 | 8010011364 | 12.5 | 26 | 125 | 4.8 |
| 8010010661 | | 12.5 | 26 | 140 | 5.4 |
| 8010010666 | 8010010704 | 12.5 | 26 | 160 | 6.2 |
| 8010010668 | 8010012129 | 12.5 | 26 | 180 | 6.9 |
| 8010010673 | 8010010707 | 12.5 | 26 | 200 | 7.7 |
| 8010010675 | 8010011366 | 12.5 | 26 | 225 | 8.6 |
| 8010010678 | 8010010710 | 12.5 | 26 | 250 | 9.6 |
| 8010011354 | | 12.5 | 26 | 280 | 10.7 |
| 8010010681 | 8010010712 | 12.5 | 26 | 315 | 12.1 |
| 8010010683 | 8010011367 | 12.5 | 26 | 355 | 13.6 |
| 8010010685 | 8010010713 | 12.5 | 26 | 400 | 15.3 |
| 8010010686 | 8010010714 | 12.5 | 26 | 500 | 19.1 |
| 8010010691 | 8010011369 | 12.5 | 26 | 630 | 24.1 |

## PN 1.25

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010742 | 8010010756 | 8 | 17 | 63 | 3.8 |
| 8010010745 | 8010010757 | 8 | 17 | 75 | 4.5 |
| 8010010747 | 8010010758 | 8 | 17 | 90 | 5.4 |
| 8010010728 | 8010010749 | 10 | 21 | 110 | 5.3 |
| 8010011372 | | 10 | 21 | 125 | 6.0 |
| | | 10 | 21 | 140 | 6.7 |
| 8010010731 | 8010010751 | 10 | 21 | 160 | 7.7 |
| | | 10 | 21 | 180 | 8.6 |
| 8010010734 | 8010010753 | 10 | 21 | 200 | 9.6 |
| 8010010735 | | 10 | 21 | 225 | 10.8 |
| 8010010738 | 8010010754 | 10 | 21 | 250 | 11.9 |
| | | 10 | 21 | 280 | 13.4 |
| 8010011380 | 8010010755 | 10 | 21 | 315 | 15.0 |
| 8010011470 | 8010011678 | 10 | 21 | 355 | 16.9 |
| 8010011677 | 8010010861 | 10 | 21 | 400 | 19.1 |
| | | 10 | 21 | ★ 500 | 23.9 |
| | | 10 | 21 | ★ 630 | 30.0 |

**Note:**
The PVC-U gasketed pipe is sold with gasket.
The product mold marked as "★" on this page has not been improved, please note.

## PN 1.6

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| 8010010778 | 8010010795 | 6.3 | 13.6 | 63 | 4.7 |
| 8010010781 | 8010010796 | 6.3 | 13.6 | 75 | 5.6 |
| 8010010783 | 8010010798 | 6.3 | 13.6 | 90 | 6.7 |
| 8010010761 | 8010010785 | 8 | 17 | 110 | 6.6 |
| 8010010763 | 8010012657 | 8 | 17 | 125 | 7.4 |
| 8010011394 | 8010012656 | 8 | 17 | 140 | 8.3 |
| 8010010766 | 8010010788 | 8 | 17 | 160 | 9.5 |
| 8010011900 | 8010012083 | 8 | 17 | 180 | 10.7 |
| 8010010769 | 8010010790 | 8 | 17 | 200 | 11.9 |
| | 8010011712 | 8 | 17 | 225 | 13.4 |
| 8010010771 | 8010010792 | 8 | 17 | 250 | 14.8 |
| 8010010772 | | 8 | 17 | 280 | 16.6 |
| 8010010774 | 8010010793 | 8 | 17 | 315 | 18.7 |
| 8010011658 | 8010011403 | 8 | 17 | 355 | 21.1 |
| 8010010775 | 8010011610 | 8 | 17 | 400 | 23.7 |
| | | 8 | 17 | ★ 500 | 29.7 |

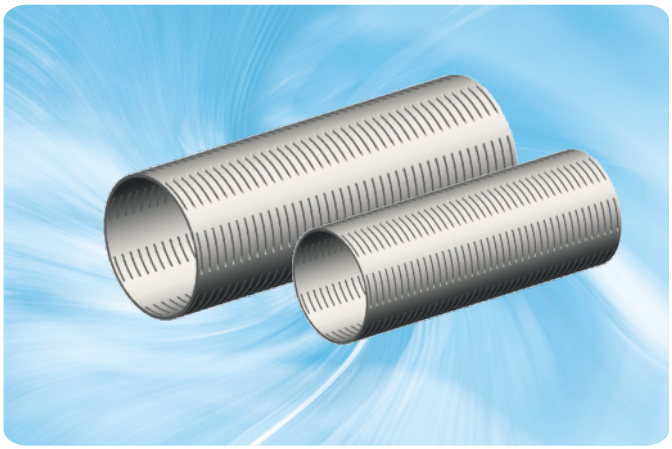
## PN 2.0

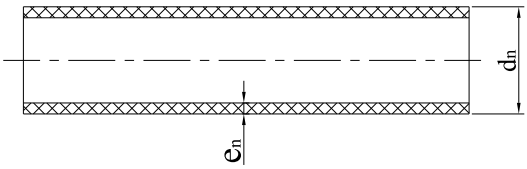
| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| | | 5 | 11 | ★ 63 | 5.8 |
| | | 5 | 11 | ★ 75 | 6.9 |
| | | 5 | 11 | ★ 90 | 8.2 |
| | | 6.3 | 13.6 | ★ 110 | 8.1 |
| | | 6.3 | 13.6 | ★ 125 | 9.2 |
| | | 6.3 | 13.6 | ★ 140 | 10.3 |
| | | 6.3 | 13.6 | ★ 160 | 11.8 |
| | | 6.3 | 13.6 | ★ 180 | 13.3 |
| | | 6.3 | 13.6 | ★ 200 | 14.7 |
| | | 6.3 | 13.6 | ★ 225 | 16.6 |
| | | 6.3 | 13.6 | ★ 250 | 18.4 |
| | | 6.3 | 13.6 | ★ 280 | 20.6 |
| | | 6.3 | 13.6 | ★ 315 | 23.2 |
| | | 6.3 | 13.6 | ★ 355 | 26.1 |
| | | 6.3 | 13.6 | ★ 400 | 29.4 |
| | | 6.3 | 13.6 | ★ 500 | 36.8 |

## PN 2.5

| SAP Number (white/6M) | SAP Number (blue/6M) | S | SDR | $d_n$ (mm) | $e_n$(mm) |
|---|---|---|---|---|---|
| | | 4 | 9 | ★ 63 | 7.1 |
| | | 4 | 9 | ★ 75 | 8.4 |
| | | 4 | 9 | ★ 90 | 10.1 |
| | | 5 | 11 | ★ 110 | 10.0 |
| | | 5 | 11 | ★ 125 | 11.4 |
| | | 5 | 11 | ★ 140 | 12.7 |
| | | 5 | 11 | ★ 160 | 14.6 |
| | | 5 | 11 | ★ 180 | 16.4 |
| | | 5 | 11 | ★ 200 | 18.2 |

**Note:**
The PVC-U gasketed pipe is sold with gasket.
The product mold marked as "★" on this page has not been improved, please note.






**$d_n$:** Nominal Outside Diameter

**$e_n$:** Nominal Wall Thickness

**PN:** Nominal Pressure (unit: MPa)

**S:** Pipe Series

**SDR:** Standard Dimension Rate

| | SAP Number (white/5.8M) | SAP Number (blue/5.8M) | S | SDR | $d_n$ (mm) | $e_n$(mm) | Slotting Rows Quantity |
|---|---|---|---|---|---|---|---|
| PN 0.63 | | | 20 | 41 | 110 | 2.7 | 6 |
| | | | 20 | 41 | 125 | 3.1 | 7 |
| | | | 20 | 41 | 160 | 4.0 | 7 |
| | | | 20 | 41 | 200 | 4.9 | 8 |
| | | | 20 | 41 | 250 | 6.2 | 8 |
| PN 1.0 | | | 12.5 | 26 | 110 | 4.2 | 3 |
| | | | 12.5 | 26 | 125 | 4.8 | 4 |
| | | | 12.5 | 26 | 160 | 6.2 | 4 |
| | | | 12.5 | 26 | 200 | 7.7 | 4 |
| | | | 12.5 | 26 | 250 | 9.6 | 4 |

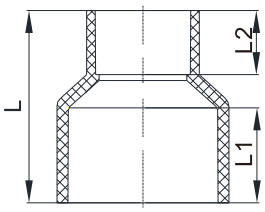
## Features

- **Material:** Unplasticized Poly (Vinyl Chloride)
- **Size:** full 20mm through 250mm availability
- **Standard:** ISO 1452-3, BS 6920, GB/T 10002.2
- **Color:** white, blue or other colors are available upon request
- **Joint:** joining the plain end pipe and solvent weld fittings by solvent weld joint

## Advantages

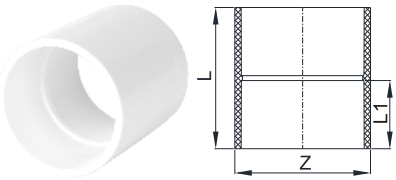
- **Sanitary:**
  There is no heavy metal additives in PVC-U Solvent Weld Fittings and it would not be covered with dirt or contaminated by bacterium.
- **High Flow Capacity:**
  The smooth interior walls and low friction of PVC-U Solvent Weld Fittings result in low flow resistance and high volume.
- **Corrosion Resistance:**
  PVC-U Solvent Weld Fittings are non-conductors of electricity and unaffected by electrochemical reactions caused by acids, bases, and salts that cause corrosion in metals.
- **Low Installation Costs:**
  PVC-U Solvent Weld Fittings are lightweight and are installed with solvent cement joint.
  Ease of installation reduces the installation costs.
- **Longevity:** PVC-U Solvent Weld Fittings can work for more than 50 years under proper use.
- **Environment-friendly:** PVC-U Solvent Weld Fittings can be recycled.

## Reducer (Soc x Soc)



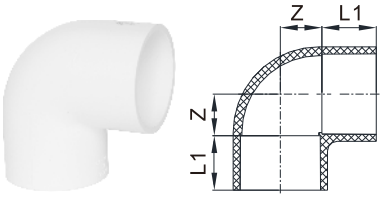

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010021471 | 8010021515 | 25x20 | 22 | 20 | 48 | 650 | 410x280x330 |
| 8010021472 | 8010021516 | 32x20 | 25 | 20 | 53.5 | 640 | 410x280x330 |
| 8010021473 | 8010021517 | 32x25 | 25 | 22 | 54 | 640 | 410x280x330 |
| 8010021474 | 8010021518 | 40x20 | 29 | 20 | 56 | 336 | 410x280x330 |
| 8010021475 | 8010021519 | 40x25 | 29 | 22 | 59 | 336 | 410x280x330 |
| 8010021476 | 8010021520 | 40x32 | 29 | 25 | 62.5 | 288 | 410x280x330 |
| 8010021477 | 8010021521 | 50x20 | 35 | 20 | 65 | 210 | 410x280x330 |
| 8010021478 | 8010021522 | 50x25 | 34 | 22 | 66.5 | 210 | 410x280x330 |
| 8010021479 | 8010021523 | 50x32 | 32 | 25 | 69.5 | 175 | 410x280x330 |
| 8010021480 | 8010021524 | 50x40 | 32 | 29 | 74 | 175 | 410x280x330 |
| 8010021481 | 8010021525 | 63x25 | 40 | 20 | 74 | 252 | 560x420x330 |
| 8010021482 | 8010021526 | 63x32 | 40 | 23 | 78 | 240 | 560x420x330 |
| 8010021483 | 8010021527 | 63x40 | 40 | 27 | 81 | 200 | 560x420x330 |
| 8010021484 | 8010021528 | 63x50 | 40 | 32 | 86 | 200 | 560x420x330 |
| 8010021485 | 8010021529 | 75x32 | 45 | 23 | 85 | 150 | 560x420x330 |
| 8010021486 | 8010021530 | 75x40 | 45 | 27 | 89.4 | 150 | 560x420x330 |
| 8010021487 | 8010021531 | 75x50 | 47 | 34 | 99 | 150 | 560x420x330 |
| 8010021488 | 8010021532 | 75x63 | 47 | 40 | 97 | 150 | 560x420x330 |
| 8010021489 | 8010021533 | 90x40 | 54 | 29 | 92 | 96 | 560x420x330 |
| 8010021490 | 8010021534 | 90x50 | 54 | 34 | 98.5 | 96 | 560x420x330 |
| 8010021491 | 8010021535 | 90x63 | 53 | 40 | 105.5 | 96 | 560x420x330 |
| 8010021492 | 8010021536 | 90x75 | 53 | 44.5 | 110.5 | 80 | 560x420x330 |
| 8010021450 | 8010021493 | 110x50 | 62 | 34 | 114 | 50 | 560x420x330 |
| 8010021451 | 8010021494 | 110x63 | 62 | 40 | 122.5 | 50 | 560x420x330 |
| 8010021452 | 8010021495 | 110x75 | 62 | 47 | 128 | 50 | 560x420x330 |
| 8010021453 | 8010021496 | 110x90 | 62 | 54 | 130 | 48 | 560x420x330 |
| 8010021455 | 8010021498 | 125x63 | 69.5 | 40 | 141.4 | 36 | 560x420x330 |
| 8010021456 | 8010021499 | 125x75 | 69.5 | 47 | 148 | | 560x420x330 |
| 8010021457 | 8010021500 | 125x90 | 69.5 | 54 | 155.4 | 24 | 560x420x330 |
| 8010021454 | 8010021497 | 125x110 | 69.5 | 62 | 163.4 | 24 | 560x420x330 |
| 8010021460 | 8010021503 | 140x75 | 77 | 47 | 159 | | 560x420x330 |
| 8010021461 | 8010021504 | 140x90 | 77 | 54 | 166.6 | 18 | 560x420x330 |
| 8010021458 | 8010021501 | 140x110 | 77 | 62 | 175.8 | 18 | 560x420x330 |
| 8010021459 | 8010021502 | 140x125 | 77 | 69.5 | 180.5 | 15 | 560x420x330 |
| 8010021462 | 8010021505 | 160x110 | 87 | 62 | 180 | 15 | 560x420x330 |
| 8010021463 | 8010021506 | 160x125 | 90 | 69.5 | 185 | | 560x420x330 |
| 8010021464 | 8010021507 | 160x140 | 90 | 77 | 190 | 14 | 560x420x330 |
| 8010025210 | | 180×110 | 62 | 97 | 200 | | |
| 8010022835 | 8010022839 | 180x125 | 97 | 69.5 | 205 | | 560x420x330 |
| 8010025482 | | 180×140 | 79.4 | 101.2 | 210 | | |
| 8010025508 | | 180×160 | 90 | 97 | 220 | | |
| 8010021465 | 8010021508 | 200x110 | 111 | 62 | 226.5 | 6 | 560x420x330 |
| 8010021466 | 8010021509 | 200x125 | 111 | 69.5 | 215 | 6 | 560x420x330 |
| 8010022836 | 8010022840 | 200x140 | 111 | 77 | 220 | | 560x420x330 |
| 8010021467 | 8010021510 | 200x160 | 111 | 90 | 225.5 | 6 | 560x420x330 |
| 8010025518 | | 200×180 | 97 | 111 | 235 | | |
| 8010022837 | 8010022841 | 225x110 | 125 | 62 | 253 | | 560x420x330 |
| 8010022838 | 8010022842 | 225x140 | 125 | 77 | 235 | | 560x420x330 |
| 8010021468 | 8010021511 | 225x160 | 125 | 90 | 255 | | 560x420x330 |
| | | 225x180 | 132 | 97 | 245 | | |
| 8010022352 | 8010021512 | 225x200 | 125 | 111 | 255 | 3 | 560x420x330 |
| 8010021469 | 8010021513 | 250x160 | 140 | 90 | 260 | 3 | 560x420x330 |
| 8010021470 | 8010021514 | 250x200 | 140 | 111 | 281 | 3 | 560x420x330 |

## Coupling (Soc x Soc)



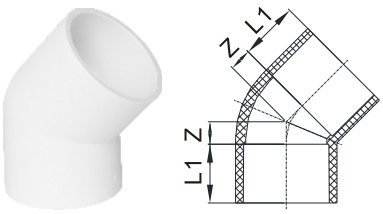

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | Z | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020014 | 8010020029 | 20 | 20 | 43 | 26.5 | 750 | 410x280x330 |
| 8010020017 | 8010020032 | 25 | 22 | 47 | 31.5 | 480 | 410x280x330 |
| 8010020019 | 8010020034 | 32 | 25 | 53 | 38.7 | 300 | 410x280x330 |
| 8010020020 | 8010020035 | 40 | 29 | 61 | 47.5 | 160 | 410x280x330 |
| 8010020021 | 8010020036 | 50 | 34 | 71 | 59 | 260 | 560x420x330 |
| 8010020022 | 8010020037 | 63 | 40 | 83.5 | 72.5 | 160 | 560x420x330 |
| 8010020023 | 8010020038 | 75 | 45 | 95 | 85.4 | 90 | 560x420x330 |
| 8010020024 | 8010020039 | 90 | 54 | 111 | 101 | 50 | 560x420x330 |
| 8010020010 | 8010020025 | 110 | 62 | 129 | 122.5 | 24 | 560x420x330 |
| 8010020011 | 8010020026 | 125 | 69.5 | 145.5 | 140.5 | 22 | 560x420x330 |
| 8010020012 | 8010020027 | 140 | 77 | 162 | 157 | 14 | 560x420x330 |
| 8010020013 | 8010020028 | 160 | 87 | 180 | 177.5 | 10 | 560x420x330 |
| 8010025248 | | 180 | 97 | 200 | 198 | | |
| 8010020015 | 8010020030 | 200 | 111 | 230 | 221.2 | 4 | 560x420x330 |
| 8010020016 | 8010020031 | 225 | 125 | 260 | 245 | 3 | 560x420x330 |
| 8010020018 | 8010020033 | 250 | 140 | 291 | 268.5 | 2 | 560x420x330 |

## 90°Elbow (Soc x Soc)



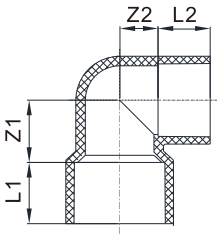

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|
| 8010020116 | 8010020131 | 20 | 20 | 11.2 | 480 | 410x280x330 |
| 8010020119 | 8010020134 | 25 | 22 | 13.65 | 340 | 410x280x330 |
| 8010020121 | 8010020136 | 32 | 25 | 17 | 180 | 410x280x330 |
| 8010020122 | 8010020137 | 40 | 29 | 21.5 | 112 | 410x280x330 |
| 8010020123 | 8010020138 | 50 | 34 | 26 | 144 | 560x420x330 |
| 8010020124 | 8010020139 | 63 | 40 | 35 | 72 | 560x420x330 |
| 8010020125 | 8010020140 | 75 | 47 | 42 | 46 | 560x420x330 |
| 8010020126 | 8010020141 | 90 | 54 | 48 | 25 | 560x420x330 |
| 8010020112 | 8010020127 | 110 | 62 | 59 | 16 | 560x420x330 |
| 8010020113 | 8010020128 | 125 | 68.5 | 69.5 | 12 | 560x420x330 |
| 8010020114 | 8010020129 | 140 | 77 | 73.25 | 8 | 560x420x330 |
| 8010020115 | 8010020130 | 160 | 87 | 81.5 | 5 | 560x420x330 |
| 8010020117 | 8010020132 | 200 | 111 | 101.5 | 3 | 560x420x330 |
| 8010020118 | 8010020133 | 225 | 125 | 116.75 | 2 | 560x420x330 |
| 8010020120 | 8010020135 | 250 | 140 | 130.75 | 1 | 560x420x330 |

## 45°Elbow (Soc x Soc)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|
| 8010020065 | 8010020080 | 20 | 20 | 6 | 500 | 410x280x330 |
| 8010020068 | 8010020083 | 25 | 22 | 7 | 400 | 410x280x330 |
| 8010020070 | 8010020085 | 32 | 25 | 8.3 | 224 | 410x280x330 |
| 8010020071 | 8010020086 | 40 | 27.5 | 10.5 | 130 | 410x280x330 |
| 8010020072 | 8010020087 | 50 | 34 | 10.8 | 160 | 560x420x330 |
| 8010020073 | 8010020088 | 63 | 40 | 17.3 | 90 | 560x420x330 |
| 8010020074 | 8010020089 | 75 | 45 | 17.4 | 56 | 560x420x330 |
| 8010020075 | 8010020090 | 90 | 54 | 20 | 30 | 560x420x330 |
| 8010020061 | 8010020076 | 110 | 62 | 24.5 | 20 | 560x420x330 |
| 8010020062 | 8010020077 | 125 | 69.5 | 30.8 | 15 | 560x420x330 |
| 8010020063 | 8010020078 | 140 | 77 | 33.1 | 10 | 560x420x330 |
| 8010020064 | 8010020079 | 160 | 87 | 36.1 | 5 | 560x420x330 |
| 8010025260 | | 180 | 97 | 48.6 | | |
| 8010020066 | 8010020081 | 200 | 111 | 44 | 3 | 560x420x330 |
| 8010020067 | 8010020082 | 225 | 125 | 51.84 | 2 | 560x420x330 |
| 8010020069 | 8010020084 | 250 | 140 | 59 | 2 | 560x420x330 |

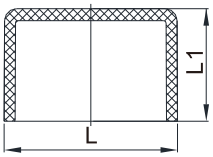
## 90°Reducing Elbow (Soc x Soc)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z1 | L2 | Z2 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010021617 | 8010021627 | 25x20 | 22 | 18.5 | 20 | 11.4 | 350 | 410x280x330 |
| 8010021618 | 8010021628 | 32x20 | 25 | 23.5 | 20 | 11.4 | 280 | 410x280x330 |
| 8010021619 | 8010021629 | 32x25 | 25 | 23.9 | 22 | 13.4 | 210 | 410x280x330 |
| 8010021620 | 8010021630 | 40x20 | 27 | 27.8 | 17 | 10.9 | 180 | 410x280x330 |
| 8010021621 | 8010021631 | 40x25 | 27 | 28.1 | 20.5 | 13.5 | 175 | 410x280x330 |
| 8010021622 | 8010021632 | 40x32 | 27 | 27.5 | 23 | 17 | 150 | 410x280x330 |
| 8010021623 | 8010021633 | 50x20 | 34 | 33 | 20 | 12 | 150 | 410x280x330 |
| 8010021624 | 8010021634 | 50x25 | 34 | 33 | 22 | 14.5 | 84 | 410x280x330 |
| 8010021625 | 8010021635 | 50x32 | 34 | 33 | 25 | 17.5 | 84 | 410x280x330 |
| 8010021626 | 8010021636 | 50x40 | 34 | 35 | 29 | 22 | 100 | 410x280x330 |
| 8010024629 | | 63x25 | 40 | 39.5 | 22 | 15 | | |
| 8010024630 | 8010025764 | 63x32 | 40 | 40.5 | 23 | 19 | | |
| 8010024678 | | 63x40 | 40 | 41 | 29 | 21.5 | | |
| 8010024631 | 8010026095 | 63x50 | 40 | 43 | 34 | 28 | | |
| 8010024938 | 2010025766 | 75x32 | 45 | 46 | 23 | 19 | | |
| 8010024994 | | 75x40 | 45 | 47 | 29 | 21.5 | | |
| 8010024632 | | 75x50 | 45 | 48.5 | 34 | 28 | | |
| 8010024870 | | 75x63 | 45 | 50 | 40 | 35 | | |
| 8010024453 | | 90x40 | 54 | 54 | 29 | 22.5 | | |
| 8010024454 | | 90x50 | 54 | 55 | 34 | 28 | | |
| 8010024633 | | 90x63 | 54 | 56.5 | 40 | 35 | | |
| 8010024939 | | 90x75 | 54 | 57.5 | 47 | 41 | | |
| 8010024861 | | 110x50 | 62 | 65 | 34 | 28 | | |

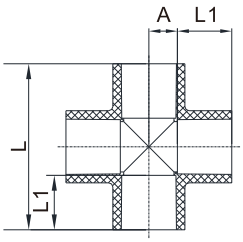
## Cap (Soc)





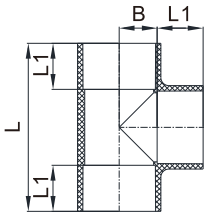

| SAP Number (white) | SAP Number (blue) | Size (mm) | L2 | L1 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020394 | 8010020407 | 20 | 17 | 20.5 | 27.8 | 1260 | 410x280x330 |
| 8010020396 | 8010020409 | 25 | 19.3 | 23 | 33.5 | 870 | 410x280x330 |
| 8010020397 | 8010020410 | 32 | 23.5 | 28 | 42 | 480 | 410x280x330 |
| 8010020398 | 8010020411 | 40 | 26 | 30.6 | 50.5 | 360 | 410x280x330 |
| 8010020399 | 8010020412 | 50 | 34 | 38.5 | 63 | 200 | 410x280x330 |
| 8010020400 | 8010020413 | 63 | 42 | 47 | 72.5 | 100 | 410x280x330 |
| 8010020401 | 8010020414 | 75 | 50 | 56 | 85.4 | 80 | 410x280x330 |
| 8010020402 | 8010020415 | 90 | 54 | 61 | 101 | 52 | 560x420x330 |
| 8010020390 | 8010020403 | 110 | 67 | 74.6 | 122.5 | 60 | 560x420x330 |
| 8010020391 | 8010020404 | 125 | 69.5 | 86 | 140.4 | 48 | 560x420x330 |
| 8010020392 | 8010020405 | 140 | 77 | 95 | 156.5 | 30 | 560x420x330 |
| 8010020393 | 8010020406 | 160 | 90 | 117.5 | 177.5 | | |
| 8010020395 | 8010020408 | 200 | 111 | 155 | 221.2 | | |
| 8010022703 | 8010022704 | 225 | 125 | 180 | 245.5 | 6 | 560x420x330 |

## Cross (Soc xSoc x Soc x Soc)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | A | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020162 | 8010020163 | 20 | 20 | 61 | 10.5 | 350 | 410x280x330 |

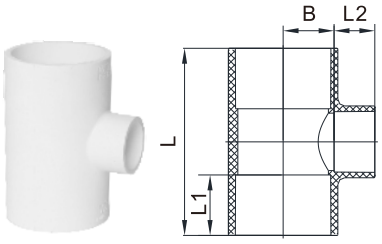
## Tee (Soc x Soc x Soc)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | B | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010021651 | 8010021663 | 20 | 20 | 61.5 | 10.7 | 375 | 410x280x330 |
| 8010021653 | 8010021665 | 25 | 22 | 71 | 13.3 | 260 | 410x280x330 |
| 8010021655 | 8010021667 | 32 | 25 | 83.5 | 17.2 | 140 | 410x280x330 |
| 8010021656 | 8010021668 | 40 | 29 | 99.5 | 22.3 | 72 | 410x280x330 |
| 8010021657 | 8010021669 | 50 | 34 | 121.5 | 26.5 | 100 | 560x420x330 |
| 8010021658 | 8010021670 | 63 | 40 | 146 | 33 | 50 | 560x420x330 |
| 8010021659 | 8010021671 | 75 | 45 | 168.5 | 37.5 | 35 | 560x420x330 |
| 8010021660 | 8010021672 | 90 | 54 | 202.5 | 46.8 | 20 | 560x420x330 |
| 8010021649 | 8010021661 | 110 | 62 | 242 | 58.5 | 10 | 560x420x330 |
| 8010023153 | 8010025711 | 125 | 69.5 | 279.5 | 69.5 | 6 | 560x420x330 |
| 8010021650 | 8010021662 | 160 | 87 | 340 | 82.5 | 3 | 560x420x330 |
| 8010021652 | 8010021664 | 200 | 111 | 424 | 101 | 2 | 560x420x330 |
| 8010022857 | | ★ 225 | 125 | 486 | 120 | | |
| 8010021654 | 8010021666 | 250 | 140 | 540 | 131 | 1 | 560x420x330 |

* The product mold marked as "★" on this page has not been improved, please note.

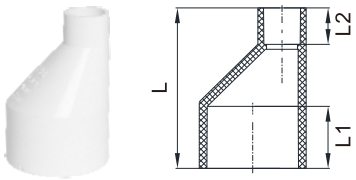
## Reducing Tee (Soc x Soc x Soc)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | L2 | B | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010021079 | 8010021110 | 25x20 | 22 | 67 | 20 | 14 | 220 | 410x280x330 |
| 8010021080 | 8010021111 | 32x20 | 25 | 74 | 20 | 18 | 168 | 410x280x330 |
| 8010021081 | 8010021112 | 32x25 | 25 | 78 | 22 | 17 | 150 | 410x280x330 |
| 8010021082 | 8010021113 | 40x20 | 29 | 81.7 | 20 | 22 | 128 | 410x280x330 |
| 8010021083 | 8010021114 | 40x25 | 29 | 86 | 22 | 21.5 | 112 | 410x280x330 |
| 8010021084 | 8010021115 | 40x32 | 29 | 93 | 25 | 21.5 | 80 | 410x280x330 |
| 8010021085 | 8010021116 | 50x20 | 34 | 92 | 20 | 26 | 150 | 560x420x330 |
| 8010021086 | 8010021117 | 50x25 | 34 | 96 | 22 | 26 | 150 | 560x420x330 |
| 8010021087 | 8010021118 | 50x32 | 34 | 104 | 25 | 27 | 135 | 560x420x330 |
| 8010021088 | 8010021119 | 50x40 | 34 | 111 | 29 | 27 | 108 | 560x420x330 |
| 8010021089 | 8010021120 | 63x25 | 40 | 110 | 20 | 32.5 | 90 | 560x420x330 |
| 8010021090 | 8010021121 | 63x32 | 40 | 115 | 23 | 34 | 90 | 560x420x330 |
| 8010021091 | 8010021122 | 63x40 | 40 | 123.8 | 27 | 33.8 | 75 | 560x420x330 |
| 8010021092 | 8010021123 | 63x50 | 40 | 134.5 | 32.8 | 33.5 | 65 | 560x420x330 |
| 8010021093 | 8010021124 | 75x32 | 45 | 129 | 23 | 41 | 50 | 560x420x330 |
| 8010021094 | 8010021125 | 75x40 | 45 | 137.8 | 27 | 40.8 | 50 | 560x420x330 |
| 8010021095 | 8010021126 | 75x50 | 45 | 148 | 32 | 41.3 | 46 | 560x420x330 |
| 8010021096 | 8010021127 | 75x63 | 45 | 159 | 40.5 | 40.8 | 40 | 560x420x330 |
| 8010021097 | 8010021128 | 90x40 | 53 | 150.2 | 27 | 46.9 | 36 | 560x420x330 |
| 8010021098 | 8010021129 | 90x50 | 53 | 160 | 34 | 45.6 | 35 | 560x420x330 |
| 8010021099 | 8010021130 | 90x63 | 53 | 173 | 40 | 46.4 | 30 | 560x420x330 |
| 8010021100 | 8010021131 | 90x75 | 53 | 185 | 45 | 46.6 | 25 | 560x420x330 |
| 8010021070 | 8010021101 | 110x50 | 62 | 180 | 32 | 57.35 | 20 | 560x420x330 |
| 8010021071 | 8010021102 | 110x63 | 62 | 195.5 | 40 | 57 | 16 | 560x420x330 |
| 8010021072 | 8010021103 | 110x75 | 62 | 207 | 45 | 55.5 | 15 | 560x420x330 |
| 8010021073 | 8010021104 | 110x90 | 62 | 221 | 53 | 57 | 13 | 560x420x330 |
| 8010022804 | 8010022810 | 125x50 | 69.5 | 198.4 | 34 | 66 | | |
| 8010024995 | | 125x63 | 69.5 | 211.7 | 40 | 66 | | |
| 8010024976 | | 125x75 | 69.5 | 227 | 47 | 66 | | |
| 8010024977 | 8010025738 | 125x90 | 69.5 | 241 | 54 | 69.3 | | |
| 8010025125 | 8010025710 | 125x110 | 69.5 | 262.5 | 62 | 69.6 | | |
| 8010025484 | 8010026106 | 140x75 | 77 | 243 | 47 | 73.5 | | |
| 8010025246 | | 140x90 | 77 | 261.2 | 54 | 78.9 | | |
| 8010025259 | | 140x125 | 77 | 292.5 | 69.5 | 76.5 | | |
| 8010021074 | 8010021105 | 160x110 | 87 | 289 | 62 | 81.9 | 5 | 560x420x330 |
| 8010022805 | 8010022811 | 160x125 | 90 | 320.4 | 69.5 | 81.9 | | |
| 8010025247 | | 160x140 | 90 | 337.2 | 77 | 81.9 | | |
| 8010021075 | 8010021106 | 200x110 | 111 | 337 | 64 | 101.4 | 3 | 560x420x330 |
| 8010023152 | 8010025730 | 200x125 | 111 | 360.4 | 69.5 | 101.4 | | |
| 8010025517 | 8010026083 | 200x140 | 111 | 377.2 | 77 | 101.4 | | |
| 8010021076 | 8010021107 | 200x160 | 111 | 390 | 90 | 102.4 | 2 | 560x420x330 |
| 8010022807 | 8010022812 | ★225x110 | 125 | 372 | 62 | 117 | | |
| | | 225x140 | 125 | 407.1 | 77 | 115.5 | | |
| 8010022808 | 8010022813 | ★225x160 | 125 | 422 | 90 | 117 | | |
| 8010022809 | 8010022814 | ★225x200 | 125 | 462 | 111 | 117.5 | | |
| 8010021077 | 8010021108 | 250x160 | 140 | 448 | 90 | 128.75 | 1 | 560x420x330 |
| 8010021078 | 8010021109 | 250x200 | 140 | 489 | 111 | 129.5 | 1 | 560x420x330 |

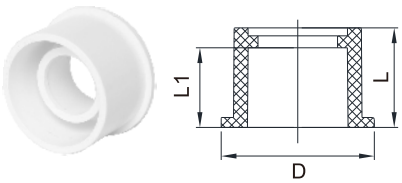
* The product mold marked as "★" on this page has not been improved, please note.

## Eccentric Reducer Coupling (Soc x Soc)



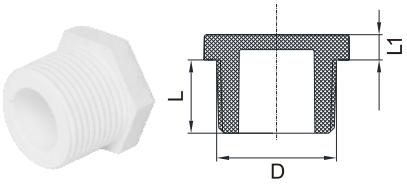

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010021416 | 8010021430 | 25x20 | 22 | 20 | 49.5 | 600 | 410x280x330 |
| 8010021417 | 8010021431 | 32x20 | 25 | 20 | 60 | 560 | 410x280x330 |
| 8010021418 | 8010021432 | 32x25 | 25 | 22 | 57 | | |
| 8010021419 | 8010021433 | 40x20 | 29 | 20 | 72.5 | 288 | 410x280x330 |
| 8010021420 | 8010021434 | 40x25 | 29 | 22 | 69.5 | 288 | 410x280x330 |
| 8010021421 | 8010021435 | 40x32 | 29 | 25 | 65 | 288 | 410x280x330 |
| 8010021422 | 8010021436 | 50x20 | 34 | 20 | 88 | 175 | 410x280x330 |
| 8010021423 | 8010021437 | 50x25 | 34 | 22 | 85 | 175 | 410x280x330 |
| 8010021424 | 8010021438 | 50x32 | 34 | 25 | 80.5 | 150 | 410x280x330 |
| 8010021425 | 8010021439 | 50x40 | 34 | 29 | 76.8 | 150 | 410x280x330 |
| 8010021426 | 8010021440 | 63x25 | 40 | 22 | 104.3 | 50 | 410x280x330 |
| 8010021427 | 8010021441 | 63x32 | 40 | 25 | 100 | 50 | 410x280x330 |
| 8010021428 | 8010021442 | 63x40 | 40 | 29 | 96 | 50 | 410x280x330 |
| 8010021429 | 8010021443 | 63x50 | 40 | 34 | 90 | 50 | 410x280x330 |
| 8010024634 | | 75x32 | 25 | 45 | 115 | | |
| 8010024635 | | 75x40 | 29 | 45 | 115 | | |
| 8010025010 | | 75x50 | 45 | 34 | 110 | | |
| 8010024636 | | 75x63 | 40 | 45 | 110 | | |
| 8010024871 | | 90x40 | 54 | 29 | 132 | | |
| 8010024941 | 8010026074 | 90x50 | 54 | 34 | 130 | | |
| 8010024455 | 2010026075 | 90x63 | 40 | 54 | 125 | | |
| 8010024456 | | 90x75 | 45 | 54 | 125 | | |
| 8010025209 | 8010026076 | 110x50 | 62 | 34 | 160 | | |
| 8010024457 | 8010026077 | 110x63 | 40 | 62 | 155 | | |
| 8010024458 | | 110x75 | 45 | 62 | 155 | | |
| 8010024975 | 8010026078 | 110x90 | 62 | 54 | 155 | | |

## Reducer Bushing (Spig x Soc)



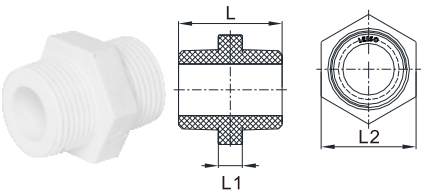

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | Z | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020216 | 8010020234 | 25x20 | 22 | 17 | 30 | 1200 | 410x280x330 |
| 8010020217 | 8010020235 | 32x20 | 35 | 17 | 38.5 | 700 | 410x280x330 |
| 8010020218 | 8010020236 | 32x25 | 25 | 20 | 38.5 | 600 | 410x280x330 |
| 8010020219 | 8010020237 | 40x20 | 30 | 17 | 46.5 | 360 | 410x280x330 |
| 8010020220 | 8010020238 | 40x25 | 30 | 20 | 46.5 | 360 | 410x280x330 |
| 8010020221 | 8010020239 | 40x32 | 30 | 23 | 46.5 | 360 | 410x280x330 |
| 8010020222 | 8010020240 | 50x20 | 35 | 17 | 56.5 | 240 | 410x280x330 |
| 8010020223 | 8010020241 | 50x25 | 35 | 20 | 56.5 | 240 | 410x280x330 |
| 8010020224 | 8010020242 | 50x32 | 35 | 23 | 56.5 | 240 | 410x280x330 |
| 8010020225 | 8010020243 | 50x40 | 35 | 27 | 56.5 | 240 | 410x280x330 |
| 8010020226 | 8010020244 | 63x25 | 44 | 20 | 71.5 | 120 | 410x280x330 |
| 8010020227 | 8010020245 | 63x32 | 23 | 44 | 71.5 | 120 | 410x280x330 |
| 8010020228 | 8010020246 | 63x40 | 27 | 44 | 71.5 | 120 | 410x280x330 |
| 8010020229 | 8010020247 | 63x50 | 32 | 44 | 71.5 | 140 | 410x280x330 |
| 8010020230 | 8010020248 | 75x32 | 23 | 49 | 83.5 | 96 | 410x280x330 |
| 8010020231 | 8010020249 | 75x40 | 27 | 49 | 83.5 | 96 | 410x280x330 |
| 8010020232 | 8010020250 | 75x50 | 32 | 49 | 83.5 | 100 | 410x280x330 |
| 8010020233 | 8010020251 | 75x63 | 40 | 49 | 83.5 | 100 | 410x280x330 |

## Male Plug (Mipt)



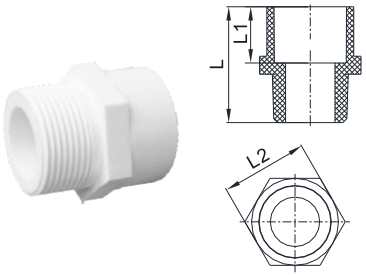

| SAP Number (white) | SAP Number (blue) | Size (mm) | D | L | L1 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020935 | 8010020938 | 1 /2" | 1/2" | 16.6 | 5 | 1800 | 410x280x330 |
| 8010020936 | 8010020939 | 3/4" | 3/4" | 18.8 | 6 | 1200 | 410x280x330 |
| 8010020934 | 8010020937 | 1" | 1" | 20.6 | 7.1 | 600 | 410x280x330 |
| 8010023268 | 8010023275 | 1-1/4" | 41 | 21 | 7.5 | | |
| 8010023269 | 8010023276 | 1-1/2" | 46.9 | 21 | 8 | 100 | 410x280x330 |
| 8010023270 | 8010023277 | 2" | 58.6 | 26 | 9 | | |

## Nipple (Mipt x Mipt)



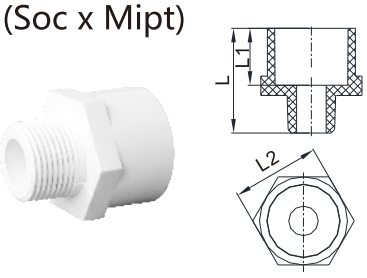

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020882 | 8010020885 | 1/2" | 8 | 27.5 | 33.5 | 1000 | 410x280x330 |
| 8010020883 | 8010020886 | 3/4" | 9 | 33 | 38 | 660 | 410x280x330 |
| 8010020881 | 8010020884 | 1" | 10 | 39.6 | 43.2 | 360 | 410x280x330 |
| 8010023241 | 8010023243 | 1-1/4" | 10 | 50 | 52 | 200 | 410x280x330 |
| 8010023242 | 8010023244 | 1-1/2" | 11 | 55 | 53 | 150 | 410x280x330 |
| 8010023313 | 8010023320 | 2" | 12 | 65 | 64 | 100 | 410x280x330 |

## Male Adapter (Soc x Mipt)



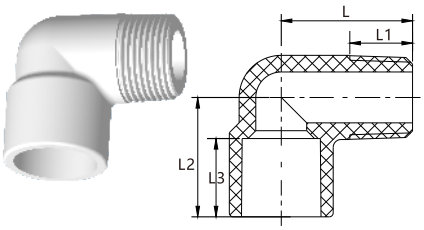

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020962 | 8010020971 | 20x1/2" | 20 | 26.5 | 40 | 840 | 410x280x330 |
| 8010020963 | 8010020972 | 25x3/4" | 22 | 31.5 | 43.5 | 600 | 410x280x330 |
| 8010020964 | 8010020973 | 32x1" | 25 | 38.7 | 51.5 | 244 | 410x280x330 |
| 8010020965 | 8010020974 | 40x1-1/4" | 27 | 47.5 | 54.2 | 210 | 410x280x330 |
| 8010020966 | 8010020975 | 50x1-1/2" | 34 | 58.5 | 62.5 | 180 | 410x280x330 |
| 8010020967 | 8010020976 | 63x2" | 40 | 72 | 75 | 210 | 560x420x330 |
| 8010020968 | 8010020977 | 75x2-1/2" | 47 | 85.4 | 90 | 120 | 560x420x330 |
| 8010020969 | 8010020978 | 90x3" | 52.6 | 100.9 | 102 | 80 | 560x420x330 |
| 8010020961 | 8010020970 | 110 x 4" | 62 | 130 | 109 | 30 | 560x420x330 |

## Reducing Male Adapter (Soc x Mipt)



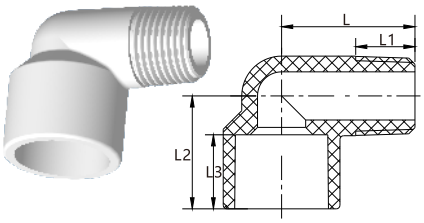

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020940 | 8010020943 | 25x1/2" | 22 | 31.5 | 42 | 880 | 410x280x330 |
| 8010020941 | 8010020944 | 32x1/2" | 25 | 38.7 | 46 | 560 | 410x280x330 |
| 8010020942 | 8010020945 | 32x3/4" | 25 | 38.7 | 47 | 560 | 410x280x330 |

## Male Elbow (Soc×Mipt)



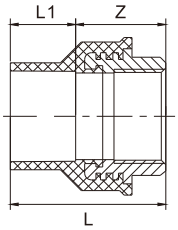

| SAP Number (white) | SAP Number (blue) | Size (mm) | L | L1 | L2 | L3 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010024868 | | 20×1/2" | 33.5 | 16 | 20 | 30.5 | 660 | 410x280x330 |
| 8010024937 | | 25×3/4" | 36 | 16 | 20 | 33 | 400 | 410x280x330 |
| 8010025008 | 8010025734 | 32×1" | 46 | 21.5 | 25 | 41.5 | 220 | 410x280x330 |

## Reducing Male Elbow (Soc×Mipt)



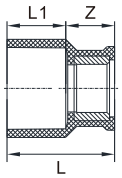

| SAP Number (white) | SAP Number (blue) | Size (mm) | L | L1 | L2 | L3 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010024936 | | 25×1/2" | 36.5 | 16 | 20 | 30.5 | 560 | 410x280x330 |
| 8010025007 | | 32×3/4" | 40 | 16 | 20 | 33 | 300 | 410x280x330 |
| 8010024858 | | 32×1/2" | 40 | 16 | 25 | 41.5 | 350 | 410x280x330 |

## Female Thread Adapter
(Soc x Fipt with Brass Insert)



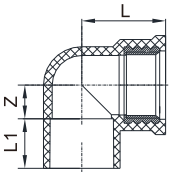

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020915 | 8010020922 | 20x1/2" | 18 | 18 | 36 | 640 | 410x280x330 |
| 8010020916 | 8010020923 | 25x3/4" | 22 | 20 | 42 | 392 | 410x280x330 |
| 8010020917 | 8010020924 | 32x1" | 25 | 23 | 48 | 240 | 410x280x330 |
| 8010020918 | 8010020925 | 40x1-1/4" | 29 | 40 | 69 | 80 | 410x280x330 |
| 8010020919 | 8010020926 | 50x1-1/2" | 32 | 39.5 | 71.5 | 60 | 410x280x330 |
| 8010020920 | 8010020927 | 63x2" | 38.5 | 46.5 | 85 | 50 | 410x280x330 |
| 8010020921 | 8010020928 | 75x2-1/2" | 44.5 | 53.5 | 98 | 24 | 410x280x330 |

## Reducing Female Thread Adapter
(Soc x Fipt with Brass Insert)



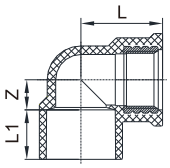

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020906 | 8010020909 | 25x1/2" | 22 | 41 | 19 | 540 | 410x280x330 |
| 8010020907 | 8010020910 | 32x1/2" | 23.2 | 42.5 | 19.3 | 360 | 410x280x330 |
| 8010020908 | 8010020911 | 32x3/4" | 25 | 45 | 20 | 336 | 410x280x330 |

## Female Thread Elbow
(Soc x Fipt with Brass Insert)



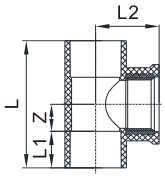

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020897 | 8010020900 | 20x1/2" | 20 | 11 | 30 | 384 | 410x280x330 |
| 8010020898 | 8010020901 | 25x3/4" | 22 | 13 | 34.75 | 252 | 410x280x330 |
| 8010020899 | 8010020902 | 32x1" | 25 | 17 | 42 | 150 | 410x280x330 |

## Reducing Female Thread Elbow
(Soc x Fipt with Brass Insert)



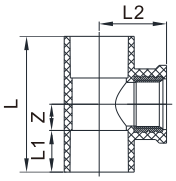

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010021611 | 8010021614 | 25x1/2" | 22 | 12 | 32 | 240 | 410x280x330 |
| 8010021612 | 8010021615 | 32x1/2" | 23 | 11.75 | 35.25 | 250 | 410x280x330 |
| 8010021613 | 8010021616 | 32x3/4" | 23 | 14 | 38 | 180 | 410x280x330 |

## Female Thread Tee
(Soc x Soc x Fipt with Brass Insert)



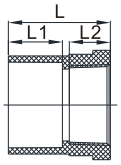

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z | L2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010020888 | 8010020891 | 20x1/2" | 20 | 11 | 30 | 62 | 348 | 410x280x330 |
| 8010020889 | 8010020892 | 25x3/4" | 22 | 13.75 | 33.8 | 71.5 | 200 | 410x280x330 |
| 8010020890 | 8010020893 | 32x1" | 23 | 17 | 40 | 80 | 124 | 410x280x330 |

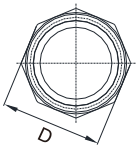
## Reducing Female Thread Tee
(Soc x Soc x Fipt with Brass Insert)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z | L2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010021297 | 8010021300 | 25x1/2" | 22 | 12.5 | 31.75 | 69 | 240 | 410x280x330 |
| 8010021298 | 8010021301 | 32x1/2" | 25 | 10 | 35 | 70 | 200 | 410x280x330 |
| 8010021299 | 8010021302 | 32x3/4" | 23 | 14.5 | 37.25 | 75 | 176 | 410x280x330 |

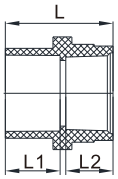
## Female Adapter
(Soc x Fipt)



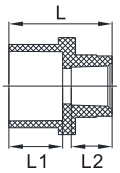

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | D | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010020548 | 8010020553 | 50x1-1/2" | 34 | 25 | 66 | 60 | 120 | 410x280x330 |
| 8010020549 | 8010020554 | 63x2" | 40 | 30.4 | 75.5 | 75 | 72 | 410x280x330 |
| 8010020550 | 8010020555 | 75x2-1/2" | 47 | 36.7 | 90 | 90.6 | 72 | 560x420x330 |
| 8010020551 | 8010020556 | 90x3" | 54 | 38.3 | 100.5 | 107.5 | 45 | 560x420x300 |
| 8010020547 | 8010020552 | 110x4" | 62 | 43.5 | 117.6 | 129 | 24 | 560x420x330 |

## Female Adapter
(Soc x Fipt with Stainless Steel Collar)



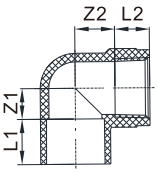
| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | D | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010020566 | 8010020570 | 20x1/2" | 20 | 19 | 41 | 29.2 | 480 | 410x280x330 |
| 8010020567 | 8010020571 | 25x3/4" | 22 | 19 | 45 | 35 | 360 | 410x280x330 |
| 8010020568 | 8010020572 | 32x1" | 25 | 19 | 49.5 | 43.5 | 270 | 410x280x330 |
| 8010020569 | 8010020573 | 40x1-1/4" | 29 | 25 | 57 | 51.7 | 150 | 410x280x330 |

## Reducing Female Adapter
(Soc x Fipt with Stainless Steel Collar)



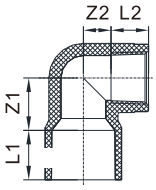
| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | D | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010020541 | 8010020544 | 25x1/2" | 22 | 19 | 44 | 31.7 | 420 | 410x280x330 |
| 8010020542 | 8010020545 | 32x1/2" | 25 | 19 | 48 | 39.1 | 576 | 410x280x330 |
| 8010020543 | 8010020546 | 32x3/4" | 25 | 19 | 49 | 39.1 | 400 | 410x280x330 |

## Female Elbow
(Soc x Fipt with Stainless Steel Collar)



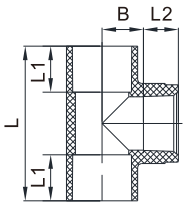

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z1 | L2 | Z2 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010020531 | 8010020533 | 20x1/2" | 20 | 9.5 | 19 | 13.75 | 420 | 410x280x330 |
| 8010020530 | 8010020534 | 25x3/4" | 22 | 13.5 | 19 | 17.5 | 300 | 410x280x330 |
| 8010020532 | 8010020535 | 32x1" | 25 | 17 | 19.2 | 21.95 | 160 | 410x280x330 |

## Reducing Female Elbow
(Soc x Fipt with Stainless Steel Collar)



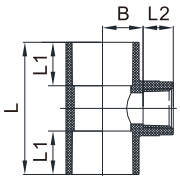

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z1 | L2 | Z2 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010021601 | 8010021607 | 25x1/2" | 22 | 21 | 19.3 | 9.7 | 300 | 410x280x330 |
| 8010021602 | 8010023425 | 32x1/2" | 25 | 23 | 18.7 | 14.95 | 216 | 410x280x330 |
| 8010021603 | 8010023131 | 32x3/4" | 25 | 26.5 | 19 | 14 | 185 | 410x280x330 |
| | | 40x3/4" | 29 | 27.4 | 19 | 19.75 | | |
| 8010021604 | 8010021608 | 40x1" | 29 | 29 | 19.5 | 24.2 | 105 | 410x280x330 |
| 8010021606 | 8010021610 | 50x3/4" | 34 | 34 | 19 | 24.7 | 80 | 410x280x330 |
| 8010021605 | 8010021609 | 50x1" | 34 | 35.4 | 19 | 24.7 | 80 | 410x280x330 |

## Female Tee
(Soc x Soc x Fipt with Stainless Steel Collar)



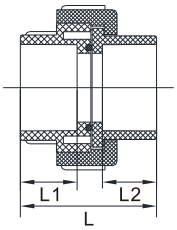

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | L2 | B | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010020523 | 8010020526 | 20x1/2" | 20 | 60 | 19 | 14 | 375 | 410x280x330 |
| 8010020524 | 8010020527 | 25x3/4" | 22 | 70.5 | 19 | 17.5 | 208 | 410x280x330 |
| 8010020525 | 8010020528 | 32x1" | 25 | 84 | 19 | 22.5 | 124 | 410x280x330 |

## Reducing Female Tee
(Soc x Soc x Fipt with Stainless Steel Collar)



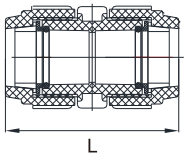

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | L2 | B | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010021172 | 8010021175 | 25x1/2" | 20 | 63 | 16 | 13.5 | 290 | 410x280x330 |
| 8010021173 | 8010021176 | 32x1/2" | 23 | 70 | 16 | 21.5 | 200 | 410x280x330 |
| 8010021174 | 8010021177 | 32x3/4" | 23 | 68 | 19 | 18.6 | 200 | 410x280x330 |

## Union (Soc with O-ring Seal)



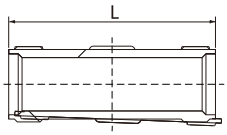

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020446 | 8010020452 | 20 | 27.2 | 17 | 54 | 205 | 410x280x330 |
| 8010020447 | 8010020453 | 25 | 20 | 28 | 59 | 140 | 410x280x330 |
| 8010020448 | 8010020454 | 32 | 25.4 | 29 | 65 | 96 | 410x280x330 |
| 8010020449 | 8010020455 | 40 | 27 | 30.5 | 71 | 150 | 560x420x330 |
| 8010020450 | 8010020456 | 50 | 31.5 | 33 | 79.2 | 100 | 560x420x330 |
| 8010020451 | 8010020457 | 63 | 40 | 40 | 100 | 50 | 560x420x330 |
| 8010025516 | 8010026091 | 75 | 45 | 45 | 109 | 36 | 560x420x330 |
| 8010025124 | 8010025812 | 90 | 54 | 54 | 128 | | |
| 8010025720 | | 110 | 62 | 62 | 136 | | |

## Flexible Union
(Gasket x Gasket)



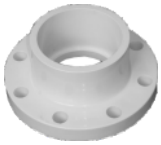

| SAP Number (white) | SAP Number (blue) | Size (mm) | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|
| 8010020696 | 8010020701 | 20 | 81.8 | 168 | 410x280x330 |
| 8010020697 | 8010020702 | 25 | 92.1 | 100 | 410x280x330 |
| 8010020698 | 8010020703 | 32 | 105.7 | 60 | 410x280x330 |
| 8010020699 | 8010020704 | 40 | 116.6 | | |
| 8010020700 | 8010020705 | 50 | 129.5 | | |

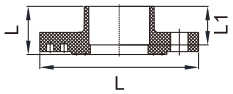
## Compression Coupling
(Gasket x Gasket)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|
| 8010020481 | 8010020490 | 20 | 89 | | |
| 8010020482 | 8010020491 | 25 | 108.5 | | |
| 8010020483 | 8010020492 | 32 | 112.5 | | |
| 8010020484 | 8010020493 | 40 | 129 | | |
| 8010020485 | 8010020494 | 50 | 137.5 | | |
| 8010020486 | 8010020495 | 63 | 152.6 | | |
| 8010020487 | 8010020496 | 75 | 192 | | |
| 8010020488 | 8010020497 | 90 | 225 | | |
| 8010020480 | 8010020489 | 110 | 248 | | |

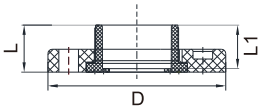
## Weld Neck Flange (Soc×Flange) (1.0Mpa)






| SAP Number (white) | SAP Number (blue) | Size (mm) | D | L | L1 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020368 | 8010020374 | 63 | 165 | 50 | 40 | 30 | 410x280x330 |
| 8010020369 | 8010020375 | 75 | 181.5 | 65 | 53 | 20 | 410x280x330 |
| 8010020370 | 8010020376 | 90 | 200 | 66 | 54 | 15 | 410x280x330 |
| 8010020365 | 8010020371 | 110 | 212 | 87 | 74 | 18 | 560x420x330 |
| 8010020382 | | 125 | 245 | 100 | 86 | | 560x420x330 |
| 8010020383 | | 140 | 250 | 114 | 100 | | 560x420x330 |
| 8010020366 | 8010020372 | 160 | 286 | 120 | 104 | 6 | 560x420x330 |
| 8010022678 | | 180 | 315 | 125 | 110 | | 560x420x330 |
| 8010020367 | 8010020373 | 200 | 345 | 127 | 110 | 4 | 560x420x330 |
| 8010022680 | 8010023224 | 225 | 365 | 130 | 113 | 3 | 560x420x330 |

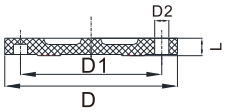
## Flexible Flange (Soc×Flange)(1.0Mpa)




| SAP Number (white) | SAP Number (blue) | Size (mm) | D | L | L1 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010020468 | 8010020475 | 63 | 163 | 43 | 40 | 30 | 410x280x330 |
| 8010020469 | 8010020476 | 75 | 184 | 49.8 | 44.5 | 20 | 410x280x330 |
| 8010020470 | 8010020477 | 90 | 199.5 | 54.5 | 47 | 15 | 410x280x330 |
| 8010020464 | 8010020471 | 110 | 230.5 | 63 | 56 | 20 | 560x420x330 |
| 8010022713 | 8010023042 | 125 | 245 | 75.5 | 69.5 | | 560x420x330 |
| 8010022714 | 8010025045 | 140 | 250 | 83 | 77 | | 560x420x330 |
| 8010020465 | 8010020472 | 160 | 281 | 102.5 | 93 | 8 | 560x420x330 |
| 8010022711 | | 180 | 315 | 107 | 97 | | 560x420x330 |
| 8010020466 | 8010020473 | 200 | 265 | 122.5 | 111 | 4 | 560x420x330 |
| 8010022712 | | 225 | 365 | 139 | 125 | 3 | 560x420x330 |
| 8010020467 | 8010020474 | 250 | 395 | 153 | 140 | 2 | 560x420x330 |

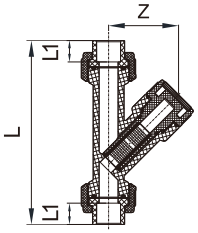
## Blind Flange





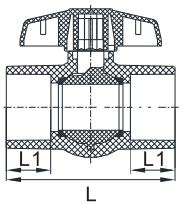

| SAP Number (white) | SAP Number (blue) | Size (mm) | D | D1 | D2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010020499 | 8010020498 | 110 | 220 | 180 | 18 | 22.2 | 22 | 410x280x330 |
| 8010022715 | | 125 | 245 | 210 | 18 | 23 | | 410x280x330 |
| 8010022716 | | 140 | 250 | 210 | 18 | 24.5 | | 410x280x330 |
| 8010020500 | 8010020512 | 160 | 285 | 240 | 22 | 29.8 | 12 | 410x280x330 |
| 8010022717 | | 180 | 315 | 270 | 22 | 26 | | 410x280x330 |
| 8010020501 | 8010020513 | 200 | 340 | 295 | 22 | 33.3 | 7 | 410x280x330 |
| 8010022481 | 8010022482 | 225 | 365 | 325 | 22 | 30 | | 410x280x330 |

## Y Type Filter (Soc x Soc)



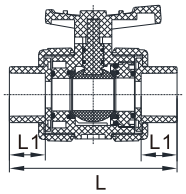

| SAP Number | Size (mm) | L1 | Z | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|
| 8010022512 | 20 | 18 | 59 | 155 | | |
| 8010023282 | 25 | 21 | 61.5 | 166 | | |
| 8010023025 | 32 | 25 | 76 | 199.5 | | |
| 8010022516 | 40 | 32 | 91.5 | 244 | | |
| 8010022517 | 50 | 31 | 100.5 | 262 | | |
| 8010022518 | 63 | 38 | 114.9 | 308 | | |

## Compact Ball Valve (Soc x Soc)



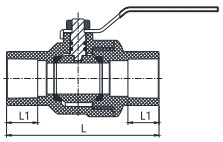

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|
| 8010020671 | 8010020680 | 20 | 22 | 80 | 150 | 410x280x330 |
| 8010020672 | 8010020681 | 25 | 25 | 91.5 | 100 | 410x280x330 |
| 8010020673 | 8010020682 | 32 | 28 | 106 | 72 | 410x280x330 |
| 8010020674 | 8010020683 | 40 | 29 | 113.5 | 50 | 410x280x330 |
| 8010020675 | 8010020684 | 50 | 34 | 128.5 | 35 | 410x280x330 |
| 8010020676 | 8010020685 | 63 | 38 | 149 | 20 | 410x280x330 |
| 8010020677 | 8010020686 | 75 | 50 | 190 | 10 | 410x280x330 |
| 8010020678 | 8010020687 | 90 | 57 | 215 | 8 | 410x280x330 |
| 8010020670 | 8010020679 | 110 | 83.5 | 300 | 5 | 560x420x330 |

## True Union Ball Valve (Soc x Soc)



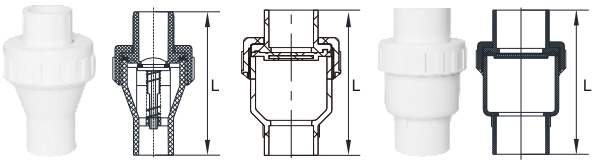

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|
| 8010020858 | 8010020865 | 20 | 22 | 103.8 | 80 | 410x280x330 |
| 8010020859 | 8010020866 | 25 | 22 | 109.5 | 56 | 410x280x330 |
| 8010020860 | 8010020867 | 32 | 27 | 126 | 32 | 410x280x330 |
| 8010020861 | 8010020868 | 40 | 30 | 141.5 | 30 | 410x280x330 |
| 8010020862 | 8010020869 | 50 | 36.5 | 164.5 | 18 | 410x280x330 |
| 8010020863 | 8010020870 | 63 | 41 | 180 | 12 | 410x280x330 |
| 8010020864 | 8010020871 | 75 | 49 | 241.5 | 5 | 410x280x330 |

## Ball Valve (Metal Handle)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|
| 8010026084 | 8010026085 | 20 | 22 | 93.3 | | |
| 8010025909 | 8010025910 | 25 | 20 | 101 | | |
| 8010029998 | 8010029999 | 32 | 25 | 113 | | |
| 8010026098 | 8010026099 | 40 | 29 | 124.7 | | |

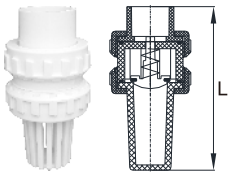
## Check Valve (Soc x Soc)




20-32mm 63mm 110mm

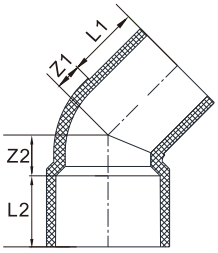
| SAP Number (white) | SAP Number (blue) | Size (mm) | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|
| 8010021825 | 8010021829 | 20 | 98 | | |
| 8010021826 | 8010021830 | 25 | 100.3 | | |
| 8010021827 | 8010021831 | 32 | 122 | | |
| 8010024833 | 8010024834 | 50 | 195.5 | 25 | 560x420x330 |
| 8010024946 | 8010024947 | 63 | 205.5 | 20 | 560x420x330 |
| 8010024835 | 8010024836 | 75 | 234.5 | | |
| 8010021824 | 8010021828 | 110 | 320.2 | | |

## Foot Valve (Soc )



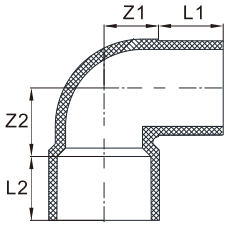

| SAP Number (white) | SAP Number (blue) | Size (mm) | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|
| 8010020338 | 8010020341 | 32 | 112 | | |
| 8010020339 | 8010020342 | 40 | 154.6 | | |
| 8010020340 | 8010020343 | 50 | 172.2 | | |

## 45°Elbow (Spig x Soc)



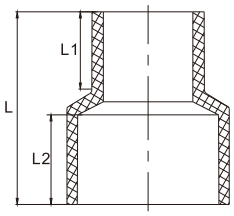

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z1 | L2 | Z2 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010023032 | 8010023033 | 20 | 20.5 | 6 | 20 | 11 | | |
| 8010024852 | | 25 | 22.5 | 7 | 22 | 12 | | |
| 8010022985 | 8010022992 | 32 | 25.5 | 8.5 | 25 | 14 | | |
| 8010024393 | | 40 | 29.5 | 10.5 | 29 | 16 | | |
| 8010023079 | 8010023080 | 50 | 34.5 | 12.5 | 34 | 19.5 | | |
| 8010023034 | 8010023035 | 63 | 41 | 15 | 40 | 22 | | |
| 8010023036 | 8010023037 | 75 | 46 | 18.5 | 45 | 26 | | |
| 8010024394 | | 90 | 55 | 21.5 | 54 | 29.5 | | |
| 8010023038 | 8010023039 | 110 | 63 | 26 | 62 | 35 | | |
| 8010024996 | | 125 | 70.5 | 28.5 | 69.5 | 40.5 | | |
| 8010024872 | | 140 | 78 | 35 | 77 | 47 | | |
| 8010024997 | | 160 | 91 | 39 | 90 | 53 | | |

## 90°Elbow (Spig x Soc)



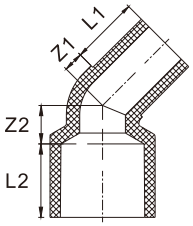

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z1 | L2 | Z2 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010023028 | 8010023029 | 20 | 20.5 | 14 | 20 | 19 | | |
| 8010024869 | | 25 | 22.5 | 17 | 22 | 21.5 | | |
| 8010022982 | 8010022989 | 32 | 25.5 | 20 | 25 | 25.5 | | |
| 8010023030 | 8010023031 | 40 | 29.5 | 24.5 | 29 | 30 | | |
| | | 50 | 34.5 | 29 | 34 | 36.5 | | |
| 8010022983 | 8010022990 | 63 | 41 | 36 | 40 | 43 | | |
| 8010022984 | 8010022991 | 75 | 46 | 44 | 45 | 51.5 | | |
| 8010025245 | | 90 | 55 | 52 | 54 | 60 | | |
| 8010024860 | | 110 | 63 | 62.5 | 62 | 72 | | |
| 8010024679 | | 125 | 70.5 | 74.5 | 69.5 | 85.5 | | |
| 8010025543 | | 140 | 78 | 82.5 | 77 | 95 | | |
| 8010024978 | | 160 | 91 | 93 | 90 | 107 | | |

## Reducer (Soc x Soc)



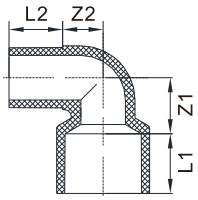

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L2 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010023351 | 8010023358 | 25x20 | 20.5 | 22 | 50 | | |
| 8010023315 | 8010023322 | 32x20 | 20.5 | 25 | 56 | | |
| 8010023316 | 8010023323 | 32x25 | 22.5 | 25 | 56 | | |
| 8010024675 | | 40x20 | 20.5 | 29 | 63 | | |
| 8010023352 | 8010023359 | 40x25 | 22.5 | 29 | 63.5 | | |
| 8010023353 | 8010023360 | 40x32 | 25.5 | 29 | 64 | | |
| 8010023317 | 8010023324 | 50x20 | 20.5 | 34 | 71 | | |
| 8010024676 | 8010026079 | 50x25 | 22.5 | 34 | 72.5 | | |
| 8010024859 | | 50x32 | 25.5 | 34 | 73.5 | | |
| 8010024390 | | 50x40 | 29.5 | 34 | 75 | | |
| 8010023354 | 8010023361 | 63x25 | 22.5 | 40 | 81.5 | | |
| 8010023355 | 8010023362 | 63x32 | 25.5 | 40 | 82.5 | | |
| 8010024677 | | 63x40 | 29.5 | 40 | 84 | | |
| 8010024391 | 8010026080 | 63x50 | 34.5 | 40 | 86 | | |
| 8010023318 | 8010023325 | 75x32 | 25.5 | 45 | 93 | | |
| 8010024940 | | 75x40 | 29.5 | 45 | 95 | | |
| 8010024392 | | 75x50 | 34.5 | 45 | 95.8 | | |
| | | 75x63 | 41 | 45 | 98 | | |
| 8010024637 | 8010026081 | 90x50 | 34.5 | 54 | 111 | | |
| 8010023319 | 8010023326 | 90x63 | 41 | 54 | 114 | | |
| 8010023356 | 8010023363 | 90x75 | 46 | 54 | 115 | | |

## 45°Reducing Elbow (Spig×Soc)



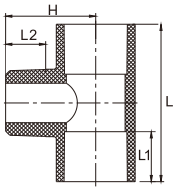

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z1 | L2 | Z2 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010023271 | 8010023278 | 25×20 | 20.5 | 6 | 22 | 11.5 | | |
| 8010024853 | | 32×20 | 20.5 | 6.5 | 25 | 14 | | |
| 8010024854 | | 32×25 | 22.5 | 7 | 25 | 13.5 | | |
| 8010024395 | | 40×20 | 20.5 | 6.5 | 29.5 | 16.5 | | |
| 8010023273 | 8010023280 | 40×25 | 22.5 | 7.5 | 29 | 16.5 | | |
| 8010023272 | 8010023279 | 40×32 | 25.5 | 9 | 29 | 16 | | |
| 8010024855 | | 50×20 | 20.5 | 6.5 | 34 | 20.5 | | |
| 8010024856 | | 50×25 | 22.5 | 7.5 | 34 | 20 | | |
| 8010023274 | 8010023281 | 50×32 | 25.5 | 9 | 34 | 19.5 | | |
| 8010024396 | | 50×40 | 29.5 | 10.5 | 34 | 19 | | |

## 90°Reducing Elbow (SpigxSoc)



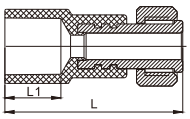

| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | Z1 | L2 | Z2 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010023040 | 8010023041 | 25×20 | 22 | 19.5 | 20.5 | 14.5 | | |
| 8010022400 | 8010022401 | 32×20 | 25 | 22.5 | 20.5 | 14.5 | | |
| 8010022402 | 8010022403 | 32×25 | 25 | 23.5 | 22.5 | 17 | | |
| 8010022986 | 8010022993 | 40×20 | 29 | 25.5 | 20.5 | 15 | | |
| 8010023314 | 8010023321 | 40×25 | 29 | 26.5 | 22.5 | 17.5 | | |
| 8010024680 | | 40×32 | 57 | 28 | 25.5 | 21 | | |
| 8010025009 | | 50×20 | 34 | 29.5 | 20.5 | 15.5 | | |
| 8010024857 | | 50×25 | 34 | 30.5 | 22.5 | 18 | | |
| 8010025196 | | 50×32 | 34 | 32 | 25.5 | 21.5 | | |
| 8010025197 | | 50×40 | 34 | 33.5 | 29.5 | 25 | | |

## Male Tee (Soc×Mipt)



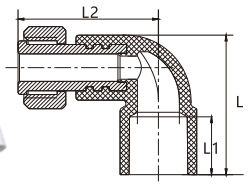

| SAP Number (white) | SAP Number (blue) | Size (mm) | L | L1 | L2 | H | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|---|
| 8010023357 | 8010023364 | 20×1/ 2" | 58 | 20 | 16 | 33.5 | | |

## Flexible Joint (Soc×Fipt with Metal)



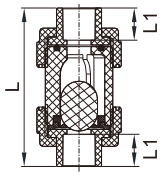

| SAP Number (white) | SAP Number (blue) | Size (mm) | L | L1 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|
| 8010023377 | 8010023379 | 20×1/2" | 63.5 | 20 | | |
| 8010024993 | | 20×3/4" | 62 | 20 | | |
| 8010024864 | | 25×1/2" | 67 | 22 | | |
| 8010024866 | | 25×3/4" | 66 | 22 | | |
| 8010024865 | | 32×1/2" | 72 | 25 | | |
| 8010024847 | | 32×3/4" | 70.5 | 25 | | |
| 8010023378 | 8010023380 | 32×1" | 74 | 25 | | |

## Flexible Joint Elbow (Soc×Fipt with Metal)



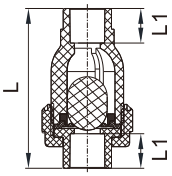

| SAP Number (white) | SAP Number (blue) | Size (mm) | L | L1 | L2 | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|---|
| 8010025123 | | 20×1/2" | 48.25 | 20 | 48.5 | | |
| 8010024974 | | 20×3/4" | 51.3 | 20 | 57.5 | | |
| 8010024844 | | 25×1/2" | 51.3 | 22 | 48.5 | | |
| 8010024867 | | 25×3/4" | 52.5 | 22 | 57 | | |
| 8010024845 | | 32×1/2" | 57.25 | 25 | 48.5 | | |
| 8010024846 | | 32×3/4" | 62.5 | 25 | 52.5 | | |

## Vertical Double Union Ball Check Valve (Soc x Soc)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|
| 8010025721 | 8010025722 | 20 | 20 | 92.5 | | |
| 8010024992 | | 25 | 22 | 100.5 | | |
| 8010024967 | | 32 | 22 | 117.8 | | |
| | 8010024536 | 40 | 30 | 138 | | |
| 8010025302 | 8010024269 | 50 | 36.5 | 161 | | |
| 8010022420 | 8010022421 | 63 | 38 | 176 | 16 | 410x280x330 |

## Vertical Ball Check Valve (Soc x Soc)




| SAP Number (white) | SAP Number (blue) | Size (mm) | L1 | L | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|---|---|
| 8010022911 | 8010022914 | 20 | 20 | 98.5 | | |
| 8010022912 | 8010022915 | 25 | 22 | 107.5 | | |
| 8010022913 | 8010022916 | 32 | 22 | 125.3 | | |
| 8010022295 | 8010022296 | 40 | 30 | 146 | | |
| 8010022297 | 8010022298 | 50 | 36.5 | 168 | | |
| 8010022299 | 8010022300 | 63 | 38 | 183 | 16 | 410x280x330 |

## Butterfly Valve (Lever Handle Style)

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010020706 | 8010020709 | 110 | 8 | 560x420x330 |
| 8010020707 | 8010020710 | 160 | 6 | 560x420x330 |
| 8010020708 | 8010020711 | 200 | | |

## Butterfly Valve (Gear Operator Style)

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010020994 | 8010020997 | 110 | | |
| 8010020995 | 8010020998 | 160 | | |
| 8010020996 | 8010020999 | 200 | | |

## Clamp (I Style)

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010020166 | 8010020171 | 50 | 200 | 410x280x330 |
| 8010020167 | 8010020172 | 63 | 150 | 410x280x330 |
| 8010020168 | 8010020173 | 75 | 130 | 410x280x330 |
| 8010020169 | 8010020174 | 90 | 150 | 560x420x330 |
| 8010020165 | 8010020170 | 110 | 140 | 560x420x330 |
| 8010022649 | 8010022650 | 125 | | |

## Clamp (III Style)

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010020181 | 8010020186 | 50 | 200 | 410x280x330 |
| 8010020182 | 8010020187 | 63 | 180 | 410x280x330 |
| 8010020183 | 8010020188 | 75 | 140 | 560x420x330 |
| 8010020184 | 8010020189 | 90 | 80 | 560x420x330 |
| 8010020180 | 8010020185 | 110 | 130 | 560x420x330 |

## Clamp (Saddle Style)

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010020201 | 8010020206 | 20 | 1800 | 410x280x330 |
| 8010020202 | 8010020207 | 25 | 1440 | 410x280x330 |
| 8010020203 | 8010020208 | 32 | 1050 | 410x280x330 |
| 8010020204 | 8010020209 | 40 | 700 | 410x280x330 |
| 8010020205 | 8010020210 | 50 | 490 | 410x280x330 |

## Inserted Pipe Clamp

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010024848 | | 20 | | |
| 8010024849 | | 25 | | |
| 8010024850 | | 32 | | |

## Clamp Ⅱ (Tall Style)

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010022987 | 8010022994 | 20 | | |
| 8010022988 | 8010022995 | 25 | | |
| 8010024851 | | 32 | | |
| 8010022391 | 8010022392 | 40 | | |
| 8010022393 | 8010022394 | 50 | | |
| 8010022395 | 8010022396 | 63 | | |

## Clamp (Tall Style)

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010020384 | 8010020387 | 20 | | |
| 8010020385 | 8010020388 | 25 | | |
| 8010020386 | 8010020389 | 32 | | |
| 8010023081 | 8010023082 | 40 | | |
| 8010023083 | 8010023084 | 50 | | |
| 8010023085 | 8010023086 | 63 | 170 | 410x280x330 |

## Clamp (U Style)

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010022975 | 8010022978 | 20 | | |
| 8010022976 | 8010022979 | 25 | | |
| 8010022977 | 8010022980 | 32 | | |

## Clamp (Line Style)

| SAP Number (white) | SAP Number (blue) | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|---|
| 8010020579 | 8010020582 | 20 | 270 | 410x280x330 |
| 8010020580 | 8010020583 | 25 | 50 | 410x280x330 |
| 8010020581 | 8010020584 | 32 | 100 | 410x280x330 |

**Definitions of abbreviated configuration description follow.**

**Soc:** Socket
**Spig:** Spigot
**Fipt:** Female Iron Pipe Thread
**Mipt:** Male Iron Pipe Thread

## Rubber Flange Gasket

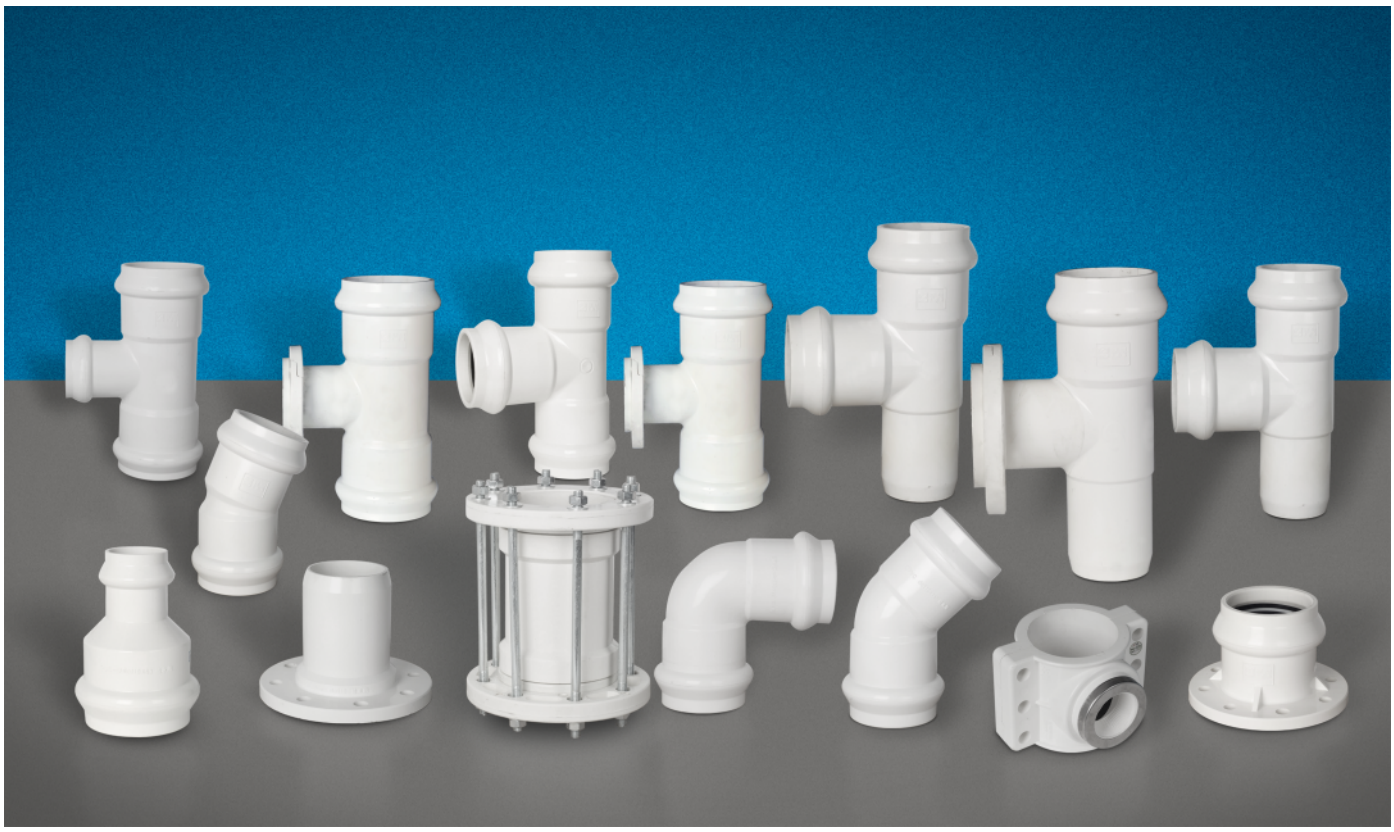
| SAP Number | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|
| 8010021010 | 63 | | |
| 8010021012 | 75 | | |
| 8010021013 | 90 | | |
| 8010021000 | 110 | | |
| 8010022777 | 125 | | |
| 8010025483 | 140 | | |
| 8010021001 | 160 | | |
| 8010021002 | 200 | | |
| 8010021003 | 225 | | |
| 8010021004 | 250 | | |
| 8010021005 | 315 | | |
| 8010021006 | 355 | | |
| 8010021007 | 400 | | |
| 8010021008 | 450 | | |
| 8010021009 | 500 | | |
| 8010021011 | 630 | | |

## Rubber Gasket

| SAP Number | Size (mm) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|
| 8010021025 | 63 | | |
| 8010021027 | 75 | | |
| 8010021028 | 90 | | |
| 8010021014 | 110 | | |
| 8010022778 | 125 | | |
| 8010021015 | 140 | | |
| 8010021016 | 160 | | |
| 8010022779 | 180 | | |
| 8010021017 | 200 | | |
| 8010021018 | 225 | | |
| 8010021019 | 250 | | |
| 8010021020 | 280 | | |
| 8010021021 | 315 | | |
| 8010021022 | 355 | | |
| 8010021023 | 400 | | |
| 8010022780 | 450 | | |
| 8010021024 | 500 | | |
| 8010021026 | 630 | | |
| 8010022781 | 710 | | |

## Solvent Cement

| SAP Number | Capacity (ml) | PCS/ CTN | Carton Size (mm×mm×mm) |
|---|---|---|---|
| 8120010020 | 100 | 24 | 270x200x180 |
| 8120010021 | 500 | 12 | 270x200x180 |



## Features

- **Material:** Unplasticized Poly (Vinyl Chloride)
- **Size:** full 63mm through 400mm availability
- **Standard:** ISO 1452-3, BS 6920, GB/T 10002.2
- **Color:** white, blue or other colors are available upon request
- **Joint:** joining the gasketed pipe and gasketed fittings by gasketed joint

## Advantages

- **Sanitary:** There is no heavy metal additives in PVC-U Gasketed Fittings and it would not be covered with dirt or contaminated by bacterium.
- **High Flow Capacity:** The smooth interior walls and low friction of PVC-U Gasketed Fittings result in low flow resistance and high volume.
- **Corrosion Resistance:** PVC-U Gasketed Fittings are non-conductors of electricity and unaffected by electrochemical reactions caused by acids, bases, and salts that cause corrosion in metals.
- **Low Installation Costs:** Deep insertion, push-together gasketed joints are simple and easy to assemble, and can be filled, tested and placed in service immediately after assembly.
- **Thermal Expansion/Contraction:** PVC-U Gasketed Fittings provide an excellent allowance for thermal expansion and contraction of PVC pipelines.
- **Longevity:** PVC-U Gasketed Fittings can work for more than 50 years under proper use.
- **Environment-friendly:** PVC-U Gasketed Fittings can be recycled.

## Coupling (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010020729 | | 63x63 | |
| 8010020730 | | 75x75 | |
| 8010020731 | | 90x90 | |
| 8010020725 | | 110x110 | |
| 8010020726 | | 160x160 | |
| 8010020727 | | 200x200 | |
| 8010020728 | | 250x250 | |

## Reducer (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010020798 | 8010020851 | 110x63 | |
| 8010020800 | 8010020852 | 160x110 | |
| 8010020801 | 8010020853 | 200x110 | |
| 8010020802 | 8010020854 | 200x160 | |
| 8010020803 | 8010020855 | 250x160 | |
| 8010020804 | 8010020856 | 250x200 | |

## 90°Elbow (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021848 | 8010021854 | 63x63 | |
| 8010021849 | 8010021855 | 75x75 | |
| 8010021850 | 8010021856 | 90x90 | |
| 8010021845 | 8010021851 | 110x110 | |
| 8010021846 | 8010021852 | 160x160 | |
| 8010021847 | 8010021853 | 200x200 | |

## 45°Elbow (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021835 | 8010021842 | 63x63 | |
| 8010021836 | 8010021843 | 75x75 | |
| 8010021837 | 8010021844 | 90x90 | |
| 8010021832 | 8010021838 | 110x110 | |
| 8010021833 | 8010021839 | 160x160 | |
| 8010021834 | 8010021840 | 200x200 | |
| 8010022085 | 8010021841 | 250x250 | |

## 22-1/2°Elbow (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021918 | 8010021922 | 110x110 | |
| 8010021919 | 8010021923 | 160x160 | |
| 8010021920 | 8010021924 | 200x200 | |
| 8010021921 | 8010021925 | 250x250 | |

## S Style Elbow (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| | | 63x63 | |

## Tee (Gasket x Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021721 | 8010021738 | 63x63x63 | |
| 8010021722 | 8010021739 | 75x75x75 | |
| 8010021723 | 8010021740 | 90x90x90 | |
| 8010021718 | 8010021735 | 110x110x110 | |
| 8010021719 | 8010021736 | 160x160x160 | |
| 8010021720 | 8010021737 | 200x200x200 | |

## Reducing Tee (Gasket x Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021234 | 8010021294 | 160x110x160 | |
| 8010021235 | 8010021295 | 200x110x200 | |
| 8010021236 | 8010021296 | 200x160x200 | |

## Tee (Gasket x Gasket x Spig)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021691 | 8010021698 | 110x110x110 | |
| 8010021692 | 8010021699 | 160x160x160 | |
| 8010021693 | 8010021700 | 200x200x200 | |
| 8010021694 | 8010021701 | 250x250x250 | |

## Tee (Gasket x Gasket x Flange)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021702 | 8010021705 | 110x110x110 | |
| 8010021703 | 8010021706 | 160x160x160 | |
| 8010021704 | 8010021707 | 200x200x200 | |

## Reducing Tee (Gasket x Gasket x Spig)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021156 | 8010021161 | 110x63x110 | |
| 8010021157 | 8010022157 | 110x90x110 | |
| 8010021158 | 8010021162 | 160x110x160 | |
| 8010021159 | 8010021163 | 200x110x200 | |
| 8010021160 | 8010021164 | 200x160x200 | |
| 8010022409 | 8010021165 | 250x200x250 | |

## Reducing Tee (Gasket x Gasket x Flange)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021166 | 8010021169 | 160x110x160 | |
| 8010021167 | 8010021170 | 200x110x200 | |
| 8010021168 | 8010021171 | 200x160x200 | |

## Tee (Gasket x Flange x Spig)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021043 | 8010021046 | 110x110x110 | |
| 8010021044 | 8010021047 | 160x160x160 | |
| 8010021045 | 8010021048 | 200x200x200 | |
| 8010022787 | | 250x250x250 | |

## Union Tee (Gasket x Gasket x Fipt)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| | 8010020857 | 63x32 | |

## Tee (Gasket x Gasket x Fipt)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8130052456 | | 63x3/4" | |
| 8130052455 | | 63x1" | |

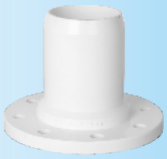
## Reducing Tee (Gasket x Flange x Spig)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010021327 | 8010021355 | 160x110x160 | |
| 8010021328 | 8010021050 | 200x110x200 | |
| 8010021049 | 8010021051 | 200x160x200 | |
| 8010022860 | | 250x200x250 | |

## Coupling (Flange x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010020633 | 8010020649 | 90 | |
| 8010020629 | 8010020645 | 110 | |
| 8010020630 | 8010020646 | 160 | |
| 8010020631 | 8010020647 | 200 | |
| 8010020632 | 8010020648 | 250 | |

## Coupling (Flange x Spig)

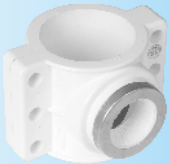


| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010020597 | 8010020612 | 110 | |
| 8010020598 | 8010020613 | 160 | |
| 8010020599 | 8010020614 | 200 | |
| 8010020600 | 8010022412 | 250 | |

## Repaired Coupling

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010020654 | 8010020663 | 110 | |
| 8010020655 | 8010020664 | 160 | |
| 8010022740 | 8010020665 | 200 | |

## Hot-Tap Saddle



| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| 8010020190 | 8010020195 | 110x1" | |
| 8010020191 | 8010020196 | 110x2" | |
| 8010020192 | 8010020197 | 160x2" | |
| 8010020193 | 8010020198 | 200x2" | |
| 8010020194 | 8010020199 | 250x2" | |
| 8010022656 | 8010020200 | 315x2" | |

## No-Stop Water Repaired Coupling

| SAP No. (white) | SAP No. (blue) | Size (mm) | PCS/CTN |
|---|---|---|---|
| | 8010020280 | 110 | |
| | 8010020281 | 160 | |
| | 8010020282 | 200 | |
| | 8010020283 | 250 | |
| | 8010020284 | 315 | |
| | 8010020285 | 400 | |

## Tensioner

| SAP No. | Size (mm) | Note |
|---|---|---|
| 8010022234 | 2T | |
| 8010021247 | 3T | |

## Features

- **Material:** steel and epoxy powder
- **Size:** full 90mm through 630mm availability
- **Standard:** ISO 1452-3, BS 6920, GB/T 10002.2
- **Color:** white, blue or other colors are available upon request
- **Joint:** joining the gasketed pipe and Steel Gasketed Fittings by gasketed joint

## Advantages

- **Sanitary:** There is no heavy metal additives in Steel Gasketed Fittings. They are coated with epoxy powder and would not be covered with dirt or contaminated by bacterium.
- **High Flow Capacity:** The smooth interior walls and low friction of Steel Gasketed Fittings result in low flow resistance and high volume.
- **High Strength:** Steel Gasketed Fittings can handle high working pressures & surges.
- **Corrosion Resistance:** Steel Gasketed Fittings are coated with epoxy powder and unaffected by electrochemical reactions caused by acids, bases, and salts that cause corrosion in metals.
- **Low Installation costs:** Deep insertion, push-together gasketed joints are simple and easy to assemble, and can be filled, tested and placed in service immediately after assembly.
- **Thermal Expansion/Contraction:** Steel Gasketed Fittings provide an excellent allowance for thermal expansion and contraction.
- **Longevity:** Steel Gasketed Fittings can work for more than 50 years under proper use.

## Reducer (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010020751 | 8010020805 | 110x90 | 1.0MPa |
| 8010020754 | 8010020807 | 160x63 | 1.0MPa |
| 8010020755 | 8010020808 | 160x90 | 1.0MPa |
| 8010020752 | 8010020806 | 160x110 | 1.0MPa |
| 8010020758 | 8010020811 | 200x63 | 1.0MPa |
| 8010020756 | 8010020809 | 200x110 | 1.0MPa |
| 8010020757 | 8010020810 | 200x160 | 1.0MPa |
| 8010020763 | 8010020816 | 225x90 | 1.0MPa |
| 8010020760 | 8010020813 | 225x110 | 1.0MPa |
| 8010020761 | 8010020814 | 225x160 | 1.0MPa |
| 8010020762 | 8010020815 | 225x200 | 1.0MPa |
| 8010020768 | 8010020821 | 250x63 | 1.0MPa |
| 8010020764 | 8010020817 | 250x110 | 1.0MPa |
| 8010020765 | 8010020818 | 250x160 | 1.0MPa |
| 8010020766 | 8010020819 | 250x200 | 1.0MPa |
| 8010020767 | 8010020820 | 250x225 | 1.0MPa |
| 8010020769 | 8010020822 | 315x110 | 1.0MPa |

## Coupling (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010020724 | 8010020742 | 90x90 | 1.0MPa |
| 8010020714 | 8010020732 | 110x110 | 1.0MPa |
| 8010020715 | 8010020733 | 160x160 | 1.0MPa |
| 8010020716 | 8010020734 | 200x200 | 1.0MPa |
| 8010020717 | 8010020735 | 225x225 | 1.0MPa |
| 8010020718 | 8010020736 | 250x250 | 1.0MPa |
| 8010020719 | 8010020737 | 315x315 | 1.0MPa |
| 8010020720 | 8010020738 | 355x355 | 1.0MPa |
| 8010020721 | 8010020739 | 400x400 | 1.0MPa |
| 8010020722 | 8010020740 | 500x500 | 1.0MPa |
| 8010020723 | 8010020741 | 630x 630 | 1.0MPa |

## Reducer (Gasket x Gasket)
Continued

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010020770 | 8010020823 | 315x160 | 1.0MPa |
| 8010020771 | 8010020824 | 315x200 | 1.0MPa |
| 8010020772 | 8010020825 | 315x225 | 1.0MPa |
| 8010020773 | 8010020826 | 315x250 | 1.0MPa |
| 8010020780 | 8010020833 | 355x90 | 1.0MPa |
| 8010020774 | 8010020827 | 355x110 | 1.0MPa |
| 8010020775 | 8010020828 | 355x160 | 1.0MPa |
| 8010020776 | 8010020829 | 355x200 | 1.0MPa |
| 8010020777 | 8010020830 | 355x225 | 1.0MPa |
| 8010020778 | 8010020831 | 355x250 | 1.0MPa |
| 8010020779 | 8010020832 | 355x315 | 1.0MPa |
| 8010020781 | 8010020834 | 400x110 | 1.0MPa |
| 8010020782 | 8010020835 | 400x160 | 1.0MPa |
| 8010020783 | 8010020836 | 400x200 | 1.0MPa |
| 8010020784 | 8010020837 | 400x225 | 1.0MPa |
| 8010020785 | 8010020838 | 400x250 | 1.0MPa |
| 8010020786 | 8010020839 | 400x315 | 1.0MPa |
| 8010020787 | 8010020840 | 400x355 | 1.0MPa |
| 8010020788 | 8010020841 | 500x160 | 1.0MPa |
| 8010020789 | 8010020842 | 500x200 | 1.0MPa |
| 8010020790 | 8010020843 | 500x225 | 1.0MPa |
| 8010020791 | 8010020844 | 500x250 | 1.0MPa |
| 8010020792 | 8010020845 | 500x315 | 1.0MPa |
| 8010020793 | 8010020846 | 500x355 | 1.0MPa |
| 8010020794 | 8010020847 | 500x400 | 1.0MPa |
| 8010020795 | 8010020848 | 630x315 | 1.0MPa |
| 8010020796 | 8010020849 | 630x400 | 1.0MPa |
| 8010020797 | 8010020850 | 630x500 | 1.0MPa |

## 90°Elbow (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010022413 | 8130052467 | 90x90 | 1.0MPa |
| 8010021877 | 8010021889 | 110x110 | 1.0MPa |
| 8010021878 | 8010021890 | 160x160 | 1.0MPa |
| 8010021879 | 8010021891 | 200x200 | 1.0MPa |
| 8010021880 | 8010021892 | 225x225 | 1.0MPa |
| 8010021881 | 8010021893 | 250x250 | 1.0MPa |
| 8010021882 | 8010021894 | 315x315 | 1.0MPa |
| 8010021883 | 8010021895 | 355x355 | 1.0MPa |
| 8010021884 | 8010021896 | 400x400 | 1.0MPa |
| 8010021885 | 8010021897 | 500x500 | 1.0MPa |
| 8010021887 | 8010021898 | 630x630 | 1.0MPa |

## Tee (Gasket x Gasket x Gasket)



| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010021708 | 8010021724 | 110x110x110 | 1.0MPa |
| 8010021709 | 8010021725 | 160x160x160 | 1.0MPa |
| 8010021710 | 8010021726 | 200x200x200 | 1.0MPa |
| 8010021711 | 8010021727 | 225x225x225 | 1.0MPa |
| 8010021712 | 8010021728 | 250x250x250 | 1.0MPa |
| 8010021713 | 8010021729 | 315x315x315 | 1.0MPa |
| 8010021714 | 8010021730 | 355x355x355 | 1.0MPa |
| 8010021715 | 8010021731 | 400x400x400 | 1.0MPa |
| 8010021716 | 8010021732 | 500x500x500 | 1.0MPa |
| 8010021717 | 8010021733 | 630x630x630 | 1.0MPa |

## 45°Elbow (Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010021857 | 8010021867 | 110x110 | 1.0MPa |
| 8010021858 | 8010021868 | 160x160 | 1.0MPa |
| 8010021859 | 8010021869 | 200x200 | 1.0MPa |
| 8010021860 | 8010021870 | 225x225 | 1.0MPa |
| 8010021861 | 8010021871 | 250x250 | 1.0MPa |
| 8010021862 | 8010021872 | 315x315 | 1.0MPa |
| 8010021863 | 8010021873 | 355x355 | 1.0MPa |
| 8010021864 | 8010021874 | 400x400 | 1.0MPa |
| 8010021865 | 8010021875 | 500x500 | 1.0MPa |
| 8010021866 | 8010021876 | 630x630 | 1.0MPa |

## Reducing Tee (Gasket x Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010021179 | 8010021238 | 160x63x160 | 1.0MPa |
| 8010021185 | 8010021242 | 200x63x200 | 1.0MPa |
| 8010021186 | 8010021243 | 200x75x200 | 1.0MPa |
| 8010021187 | 8010021244 | 200x90x200 | 1.0MPa |
| 8010021182 | 8010021239 | 200x110x200 | 1.0MPa |
| 8010021184 | 8010021241 | 200x160x200 | 1.0MPa |
| 8010021191 | 8010021248 | 225x63x225 | 1.0MPa |
| 8010021192 | 8010021249 | 225x90x225 | 1.0MPa |
| 8010021188 | 8010021245 | 225x110x225 | 1.0MPa |
| 8010021189 | 8010021246 | 225x160x225 | 1.0MPa |
| 8010021190 | 8010021247 | 225x200x225 | 1.0MPa |

## Reducing Tee (Gasket x Gasket x Gasket)

Continued

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010021197 | 8010021254 | 250x63x250 | 1.0MPa |
| 8010022088 | 8010021255 | 250x75x250 | 1.0MPa |
| 8010021198 | 8010021256 | 250x90x250 | 1.0MPa |
| 8010021193 | 8010021250 | 250x110x250 | 1.0MPa |
| 8010021194 | 8010021251 | 250x160x250 | 1.0MPa |
| 8010021195 | 8010021252 | 250x200x250 | 1.0MPa |
| 8010021196 | 8010021253 | 250x225x250 | 1.0MPa |
| 8010021152 | 8010021154 | 315x63x315 | 1.0MPa |
| 8010021153 | 8010021155 | 315x90x315 | 1.0MPa |
| 8010021199 | 8010021257 | 315x110x315 | 1.0MPa |
| 8010021200 | 8010021258 | 315x160x315 | 1.0MPa |
| 8010021201 | 8010021259 | 315x200x315 | 1.0MPa |
| 8010021202 | 8010021260 | 315x225x315 | 1.0MPa |
| 8010021203 | 8010021261 | 315x250x315 | 1.0MPa |
| 8010021210 | 8010021268 | 355x63x355 | 1.0MPa |
| 8010021211 | 8010021269 | 355x75x355 | 1.0MPa |
| 8010021212 | 8010021270 | 355x90x355 | 1.0MPa |
| 8010021204 | 8010021262 | 355x110x355 | 1.0MPa |
| 8010021205 | 8010021263 | 355x160x355 | 1.0MPa |
| 8010021206 | 8010021264 | 355x200x355 | 1.0MPa |
| 8010021207 | 8010021265 | 355x225x355 | 1.0MPa |
| 8010021208 | 8010021266 | 355x250x355 | 1.0MPa |
| 8010021209 | 8010021267 | 355x315x355 | 1.0MPa |
| 8010021219 | 8010021277 | 400x63x400 | 1.0MPa |
| 8010021220 | 8010021278 | 400x75x400 | 1.0MPa |
| 8010021221 | 8010021279 | 400x90x400 | 1.0MPa |
| 8010021213 | 8010021271 | 400x110x400 | 1.0MPa |
| 8010021214 | 8010021272 | 400x160x400 | 1.0MPa |
| 8010021215 | 8010021273 | 400x200x400 | 1.0MPa |
| 8010021216 | 8010021274 | 400x225x400 | 1.0MPa |
| 8010021217 | 8010021275 | 400x250x400 | 1.0MPa |
| 8010021218 | 8010021276 | 400x315x400 | 1.0MPa |
| 8010021230 | 8010021288 | 500x63x500 | 1.0MPa |
| 8010021231 | 8010021289 | 500x90x500 | 1.0MPa |
| 8010021222 | 8010021280 | 500x110x500 | 1.0MPa |
| 8010021223 | 8010021281 | 500x160x500 | 1.0MPa |
| 8010021224 | 8010021282 | 500x200x500 | 1.0MPa |
| 8010021225 | 8010021283 | 500x225x500 | 1.0MPa |
| 8010021226 | 8010021284 | 500x250x500 | 1.0MPa |
| 8010021227 | 8010021285 | 500x315x500 | 1.0MPa |
| 8010021228 | 8010021286 | 500x355x500 | 1.0MPa |
| 8010021229 | 8010021287 | 500x400x500 | 1.0MPa |
| 8010021232 | 8010021290 | 630x250x630 | 1.0MPa |
| 8010021233 | 8010021291 | 630x315x630 | 1.0MPa |
| 8130052447 | 8010021292 | 630x500x630 | 1.0MPa |

## Tee (Gasket x Flange x Spig)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010021746 | 8010021753 | 160 | 1.0MPa |
| 8010021747 | 8010021754 | 200 | 1.0MPa |
| 8010021748 | 8010021755 | 225 | 1.0MPa |
| 8010021749 | 8010021756 | 250 | 1.0MPa |
| 8010021750 | 8010021757 | 315 | 1.0MPa |
| 8010021751 | 8010021758 | 355 | 1.0MPa |
| 8010021752 | 8010021759 | 400 | 1.0MPa |
| 8130052443 | 8010021760 | 500 | 1.0MPa |

## Reducing Tee (Gasket x Flange x Spig)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010021303 | 8010021329 | 160x110 | 1.0MPa |
| 8010022410 | | 200x63 | 1.0MPa |
| 8010021304 | 8010021330 | 200x110 | 1.0MPa |
| 8010021305 | 8010021331 | 200x160 | 1.0MPa |
| 8010021306 | 8010021332 | 225x110 | 1.0MPa |
| 8010021307 | 8010021333 | 225x160 | 1.0MPa |
| 8010021308 | 8010021334 | 225x200 | 1.0MPa |
| 8010021309 | 8010021335 | 250x110 | 1.0MPa |
| 8010021310 | 8010021336 | 250x160 | 1.0MPa |
| 8010021311 | 8010021337 | 250x200 | 1.0MPa |
| 8010021312 | 8010021338 | 250x225 | 1.0MPa |
| 8010025184 | 8010022086 | 315x63 | 1.0MPa |
| 8010021313 | 8010021339 | 315x110 | 1.0MPa |
| 8010021314 | 8010021340 | 315x160 | 1.0MPa |
| 8010021315 | 8010021341 | 315x200 | 1.0MPa |
| 8010021316 | 8010021342 | 315x225 | 1.0MPa |
| 8010021317 | 8010021343 | 315x250 | 1.0MPa |
| | | 355x90 | 1.0MPa |
| 8010021318 | 8010021344 | 355x110 | 1.0MPa |
| 8010021319 | 8010021345 | 355x160 | 1.0MPa |
| 8130052410 | 8010021346 | 355x200 | 1.0MPa |
| 8010021320 | 8010021347 | 355x225 | 1.0MPa |
| 8010021321 | 8010021348 | 355x250 | 1.0MPa |
| 8010021322 | 8010021349 | 355x315 | 1.0MPa |
| | | 400x63 | 1.0MPa |
| 8130052419 | 8010021350 | 400x110 | 1.0MPa |
| 8130052420 | 8130052421 | 400x160 | 1.0MPa |
| 8010021323 | 8010021351 | 400x200 | 1.0MPa |
| 8010021324 | 8010021352 | 400x225 | 1.0MPa |
| 8010021325 | 8130052423 | 400x250 | 1.0MPa |
| 8010021326 | 8010021353 | 400x315 | 1.0MPa |
| 8130052425 | 8010021354 | 400x355 | 1.0MPa |
| 8130052445 | | 630x250 | 1.0MPa |
| 8130052448 | | 630x500 | 1.0MPa |

## Tee (Gasket x Spig x Fipt)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8130052390 | | 250x2" | |

## Cross (Gasket x Gasket x Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8130052464 | 8010022047 | 75 | 1.0MPa |
| 8010022036 | 8010022048 | 90 | 1.0MPa |
| 8010022026 | 8010022037 | 110 | 1.0MPa |
| 8010022027 | 8010022038 | 160 | 1.0MPa |
| 8010022028 | 8010022039 | 200 | 1.0MPa |
| 8010022029 | 8010022040 | 225 | 1.0MPa |
| 8010022030 | 8010022041 | 250 | 1.0MPa |
| 8010022031 | 8010022042 | 315 | 1.0MPa |
| 8010022032 | 8010022043 | 355 | 1.0MPa |
| 8010022033 | 8010022044 | 400 | 1.0MPa |
| 8010022034 | 8010022045 | 500 | 1.0MPa |
| 8010022035 | 8010022046 | 630 | 1.0MPa |

## Reducing Cross (Gasket x Spig x Flange x Flange)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8130052396 | | 315x160 | |

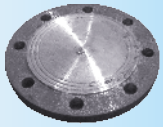
## Reducing Cross (Gasket x Gasket x Gasket x Gasket)

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010021951 | 8010021989 | 160x110 | 1.0MPa |
| 8010021953 | 8010021991 | 200x110 | 1.0MPa |
| 8010021954 | 8010021992 | 200x160 | 1.0MPa |
| 8010021955 | 8010021993 | 225x110 | 1.0MPa |
| 8010021956 | 8010021994 | 225x160 | 1.0MPa |
| 8010021957 | 8010021995 | 225x200 | 1.0MPa |
| 8010021958 | 8010021996 | 250x110 | 1.0MPa |
| 8010021959 | 8010021997 | 250x160 | 1.0MPa |
| 8010021960 | 8010021998 | 250x200 | 1.0MPa |
| 8010021961 | 8010021999 | 250x225 | 1.0MPa |
| 8010021962 | 8010022000 | 315x110 | 1.0MPa |
| 8010021963 | 8010022001 | 315x160 | 1.0MPa |
| 8010021964 | 8010022002 | 315x200 | 1.0MPa |
| 8010021965 | 8010022003 | 315x225 | 1.0MPa |
| 8010021966 | 8010022004 | 315x250 | 1.0MPa |
| 8010021967 | 8010022005 | 355x110 | 1.0MPa |
| 8010021968 | 8010022006 | 355x160 | 1.0MPa |
| 8010021969 | 8010022007 | 355x200 | 1.0MPa |
| 8010021970 | | 355x225 | 1.0MPa |
| 8010021971 | 8010022008 | 355x250 | 1.0MPa |
| 8010021972 | 8010022009 | 355x315 | 1.0MPa |
| 8010021973 | 8010022010 | 400x110 | 1.0MPa |
| 8010021974 | 8010022011 | 400x160 | 1.0MPa |
| 8010021975 | 8010022012 | 400x200 | 1.0MPa |
| 8010021976 | 8010022013 | 400x225 | 1.0MPa |
| 8010021977 | 8010022014 | 400x250 | 1.0MPa |
| 8010021978 | 8010022015 | 400x315 | 1.0MPa |
| 8010021979 | 8010022016 | 400x355 | 1.0MPa |
| 8010021980 | 8010022017 | 500x110 | 1.0MPa |
| 8010021981 | 8010022018 | 500x160 | 1.0MPa |
| 8010021982 | 8010022019 | 500x200 | 1.0MPa |
| 8010021983 | 8010022020 | 500x225 | 1.0MPa |
| 8010021984 | 8010022021 | 500x250 | 1.0MPa |
| 8010021985 | 8010022022 | 500x315 | 1.0MPa |
| 8010021986 | 8010022023 | 500x355 | 1.0MPa |
| 8010021987 | 8010022024 | 500x400 | 1.0MPa |
| 8130052449 | | 630x560 | 1.0MPa |

## Coupling (Flange x Gasket)

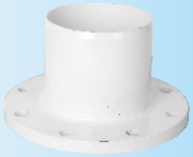
| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010020628 | 8010020644 | 90 | 1.0MPa |
| 8010020618 | 8010020634 | 110 | 1.0MPa |
| 8010020619 | 8010020635 | 160 | 1.0MPa |
| 8010020620 | 8010020636 | 200 | 1.0MPa |
| 8010020621 | 8010020637 | 225 | 1.0MPa |
| 8010020622 | 8010020638 | 250 | 1.0MPa |
| 8010020623 | 8010020639 | 315 | 1.0MPa |
| 8010020624 | 8010020640 | 355 | 1.0MPa |
| 8010020625 | 8010020641 | 400 | 1.0MPa |
| 8010020626 | 8010020642 | 500 | 1.0MPa |
| 8010020627 | 8010020643 | 630 | 1.0MPa |

## Blind Flange



| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010020502 | 8010020514 | 110 | 1.0MPa |
| 8010020503 | 8010020515 | 160 | 1.0MPa |
| 8010020504 | 8010020516 | 200 | 1.0MPa |
| 8010020505 | 8010020517 | 225 | 1.0MPa |
| 8010020506 | 8010020518 | 250 | 1.0MPa |
| 8010020507 | 8010020519 | 315 | 1.0MPa |
| 8010020508 | 8010020520 | 355 | 1.0MPa |
| 8010020509 | 8010020521 | 400 | 1.0MPa |
| 8010020510 | | 450 | 1.0MPa |
| 8010020511 | 8010020522 | 500 | 1.0MPa |
| 8130052450 | | 630 | 1.0MPa |

## Coupling (Flange x Spig)



| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8010023483 | | 75 | 1.0MPa |
| 8010020596 | 8010020611 | 90 | 1.0MPa |
| 8010020586 | 8010020601 | 110 | 1.0MPa |
| 8010020587 | 8010020602 | 160 | 1.0MPa |
| 8010020588 | 8010020603 | 200 | 1.0MPa |
| 8010020589 | 8010020604 | 225 | 1.0MPa |
| 8010020590 | 8010020605 | 250 | 1.0MPa |
| 8010020591 | 8010020606 | 315 | 1.0MPa |
| 8010020592 | 8010020607 | 355 | 1.0MPa |
| 8010020593 | 8010020608 | 400 | 1.0MPa |
| 8010020594 | 8010020609 | 500 | 1.0MPa |
| 8010020595 | 8010020610 | 630 | 1.0MPa |

## Hot-Tap Saddle

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| | 8010025732 | 250x2" | 1.0MPa |
| | | 280x2" | 1.0MPa |
| | 8010023073 | 315x2" | 1.0MPa |
| | | 355x2" | 1.0MPa |
| | 8010025731 | 400x2" | 1.0MPa |
| | 8010025715 | 450x2" | 1.0MPa |
| | | 500x2" | 1.0MPa |
| | | 560x2" | 1.0MPa |
| | 8010021933 | 630x2" | 1.0MPa |

## Repaired Coupling

| SAP No. (white) | SAP No. (blue) | Size (mm) | Note |
|---|---|---|---|
| 8130052391 | 8010020656 | 250 | 1.0MPa |
| 8130052405 | 8010020657 | 315 | 1.0MPa |
| 8010022102 | 8010020658 | 400 | 1.0MPa |
| 8010023350 | 8010020659 | 500 | 1.0MPa |
| | 8010020661 | 630 | 1.0MPa |

## Solvent Weld Joint

**1.** If it is necessary, cut the pipe to the desired length with pipe cutters, hacksaw or cross cut saw, make sure the cut is square.

**2.** Chamfer the cut ends and remove the all burrs from inside and outside diameter of pipe with a knife-edge, file, or deburring tool. Make sure all joining surfaces are free from dirt, dust, water and oil.
Mark the pipe end with a socket depth line.

**3.** Coat the inside of the fittings socket with a medium layer of cement. Immediately apply a full even layer of cement on the pipe for a distance slightly greater than the depth of the fitting socket. If cement dries on either surface before joining, apply another coat.

**4.** While the cement is still wet, immediately insert the pipe into the fitting with a steady even motion until it bottoms in the socket, and turn pipe 1/4 turn in the socket to ensure an even spread of cement. Hold the pipe and fitting together firmly in position for 30 seconds ($d_n \leq 63$mm) or 60 seconds ($d_n$75mm - $d_n$250mm).
Wipe the excessive cement from joint after assembly.

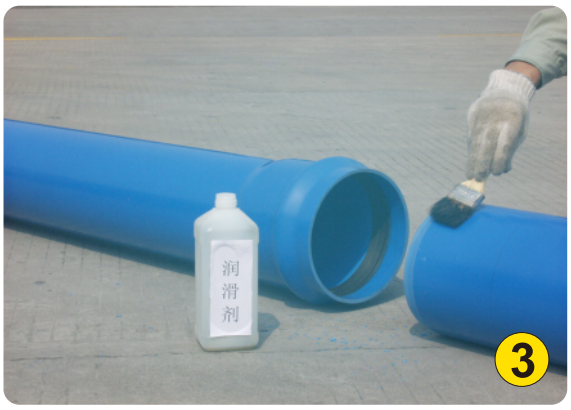
**5.** Do not take the next step until the joint is cured.
The hydrostatic pressure test shall be made only after 24 hours.

## Gasketed Joint

**1.** Clean and dry the inside of bell and the outside of spigot end of the pipe.
Mark the spigot end with a socket depth line.
Chamfer the spigot end of the pipe.

**Note:** LESSO pipe spigot has been marked with a socket depth line and chamfered.

**2.** Clean and dry the gasket.
Put the gasket into the bell groove.




**3.** Apply lubricant on the spigot end of the pipe and the surface of gasket. The lubricant shall be nontoxic and shall have no deteriorating effects on the gasket and pipe materials.

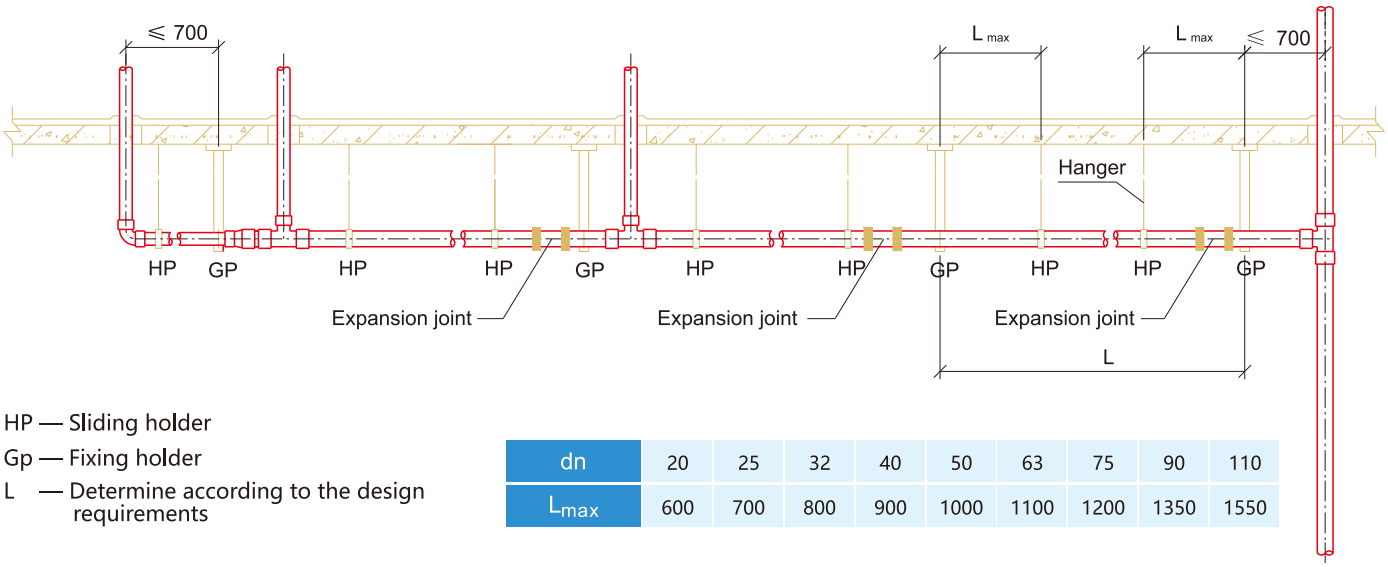
4. Insert the beveled spigot end into the bell with pull tool until it contact with the gasket. Push the spigot end in until the reference mark on the spigot end is flush with the end of the bell. If undue resistance to insertion of the beveled end is encountered or the reference mark does not reach the flush position, disassemble the joint, and check the position of the gasket, and remove any debris.

## (1) Installation of the Holder and Hanger of the Pipe

The distance between the pipe holders can't exceed the requirements in the chart below:

| Nominal Diameter $d_n$ | 20 | 25 | 2 | 40 | 50 | 63 | 75 | 90 | 110 | 160 |
|---|---|---|---|---|---|---|---|---|---|---|
| Vertical Pipe | 900 | 1000 | 1100 | 1300 | 1600 | 1800 | 2000 | 2200 | 2400 | 2800 |
| Horizontal Pipe | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1350 | 1550 | 1800 |

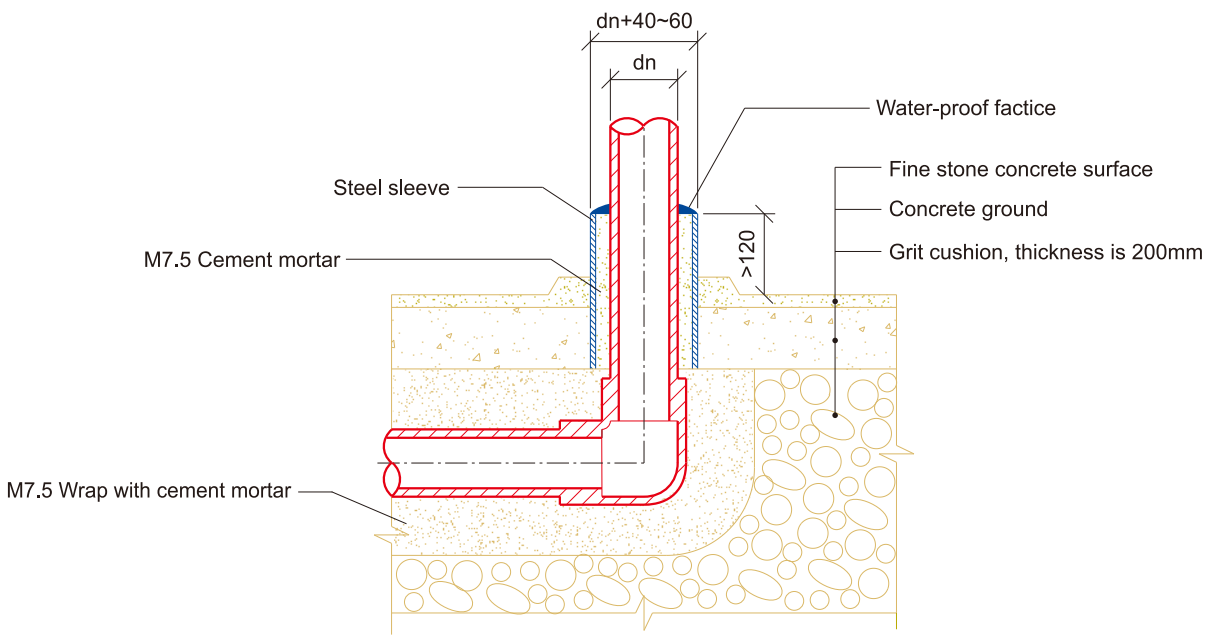
The method to hang the pipe shows below:



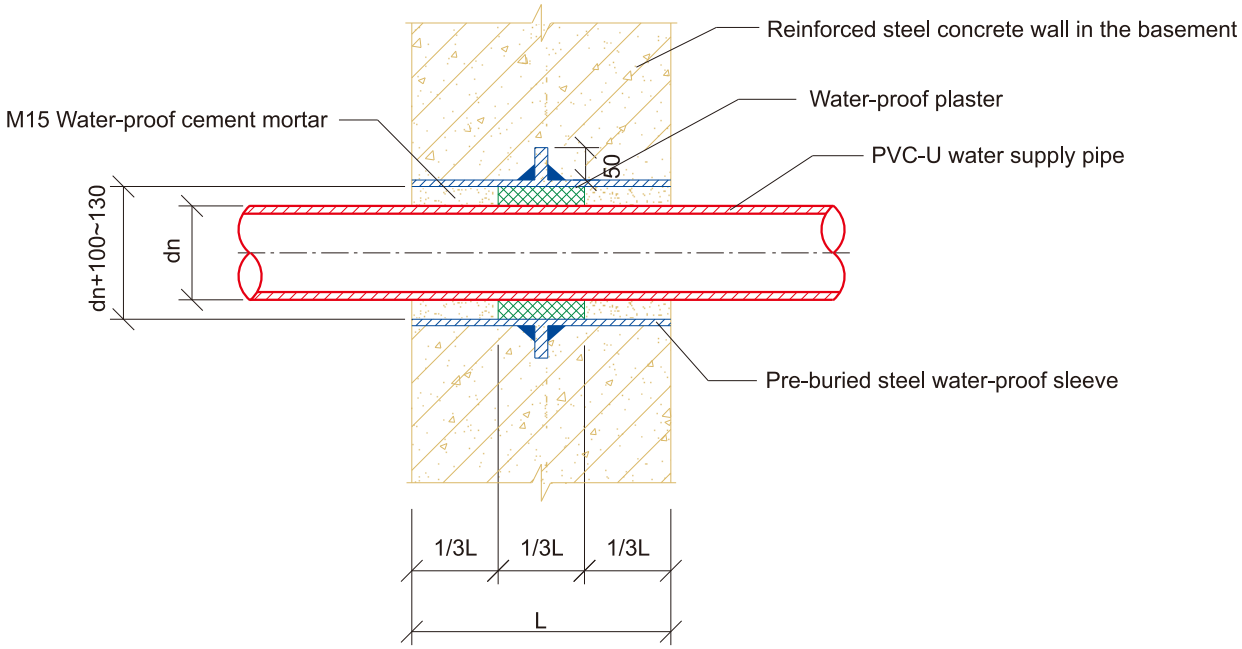

HP — Sliding holder
Gp — Fixing holder
L — Determine according to the design requirements

| dn | 20 | 25 | 32 | 40 | 50 | 63 | 75 | 90 | 110 |
|---|---|---|---|---|---|---|---|---|---|
| $L_{max}$ | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1350 | 1550 |

## (2) The Method of Pipe Crossing the Ground Shows Below:

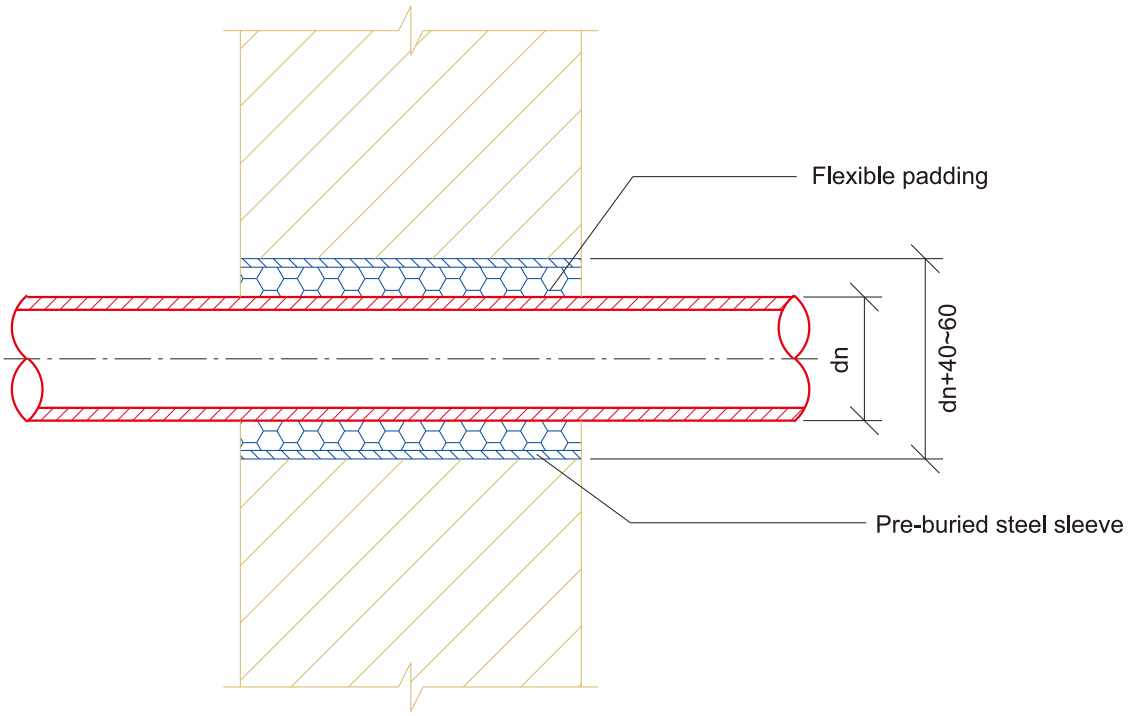


## (3) The Method of Pipe Crossing the Wall of the Basement Shows Below:

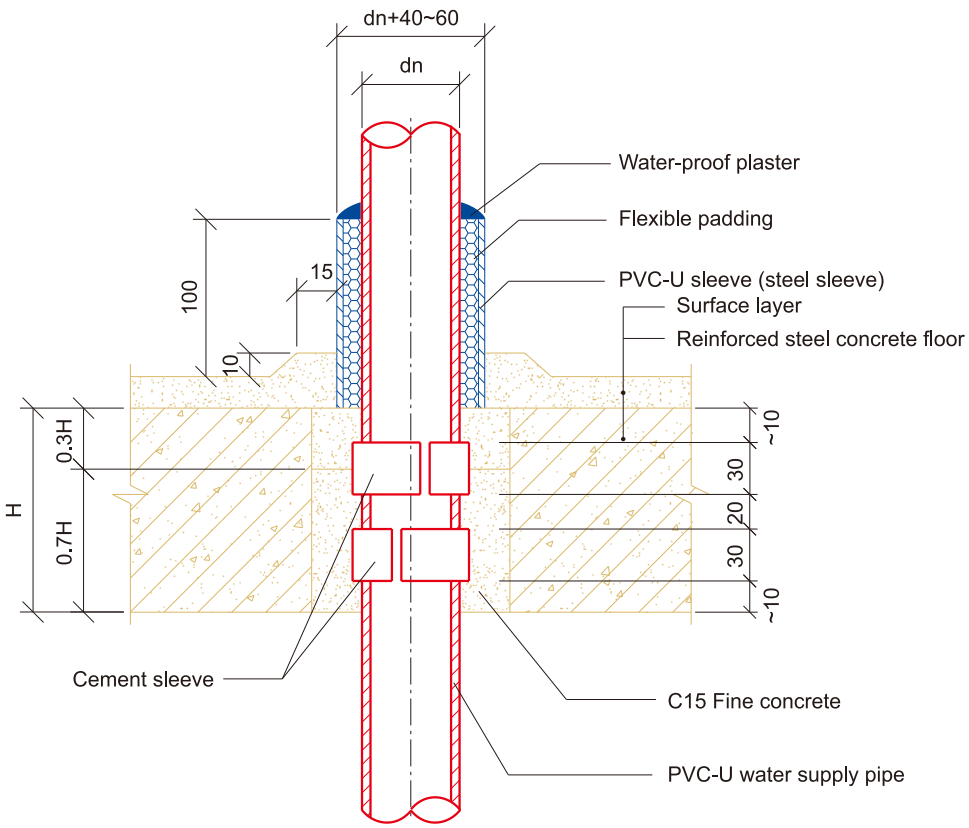



## (4) The Method of Pipe Crossing Load Bearing Wall or Base Shows Below:

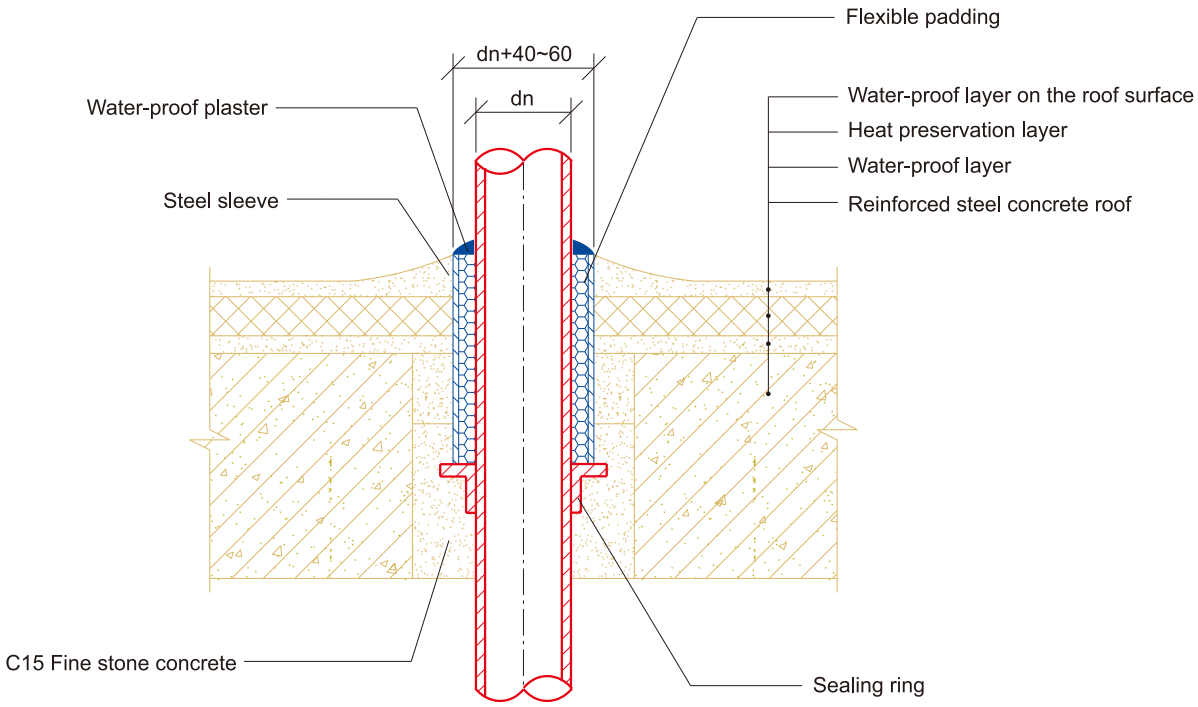
**Note:** The flexible padding is the material like foaming polyethylene or polyurethane.



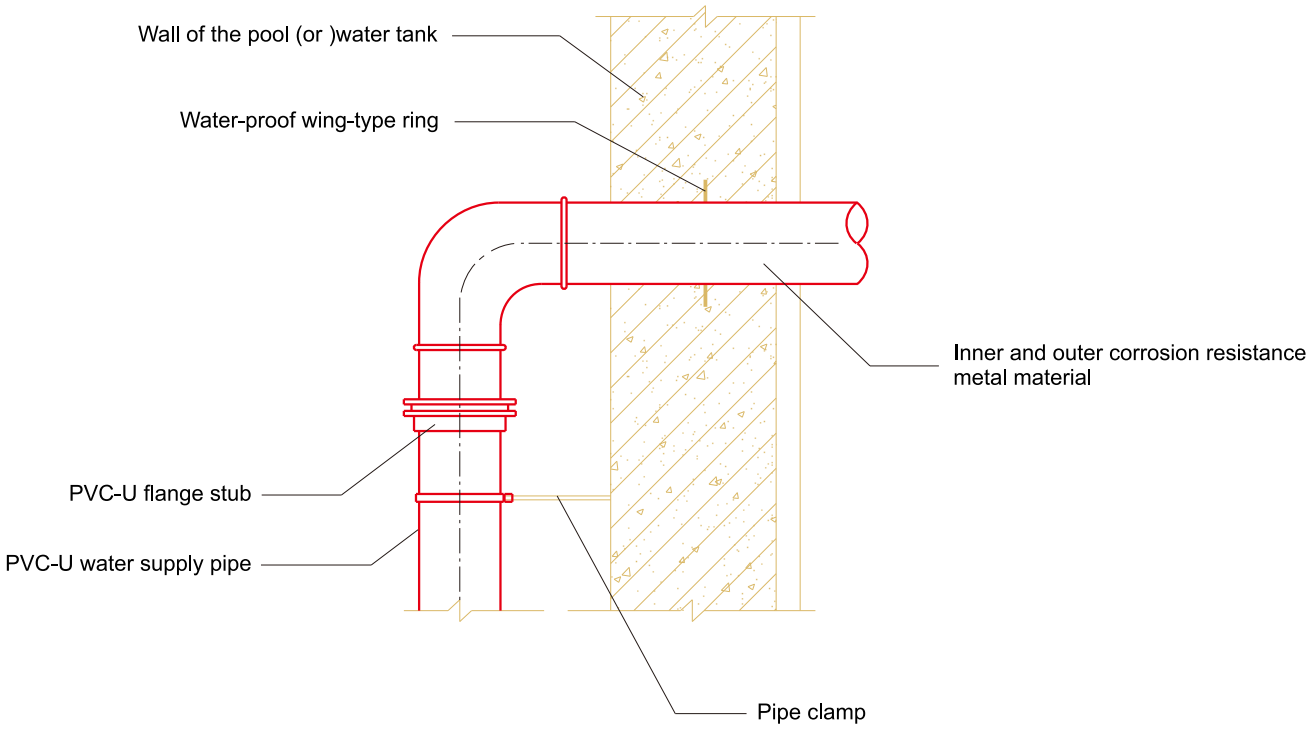
## (5) The Method of Pipe Crossing Floor Shows Below:



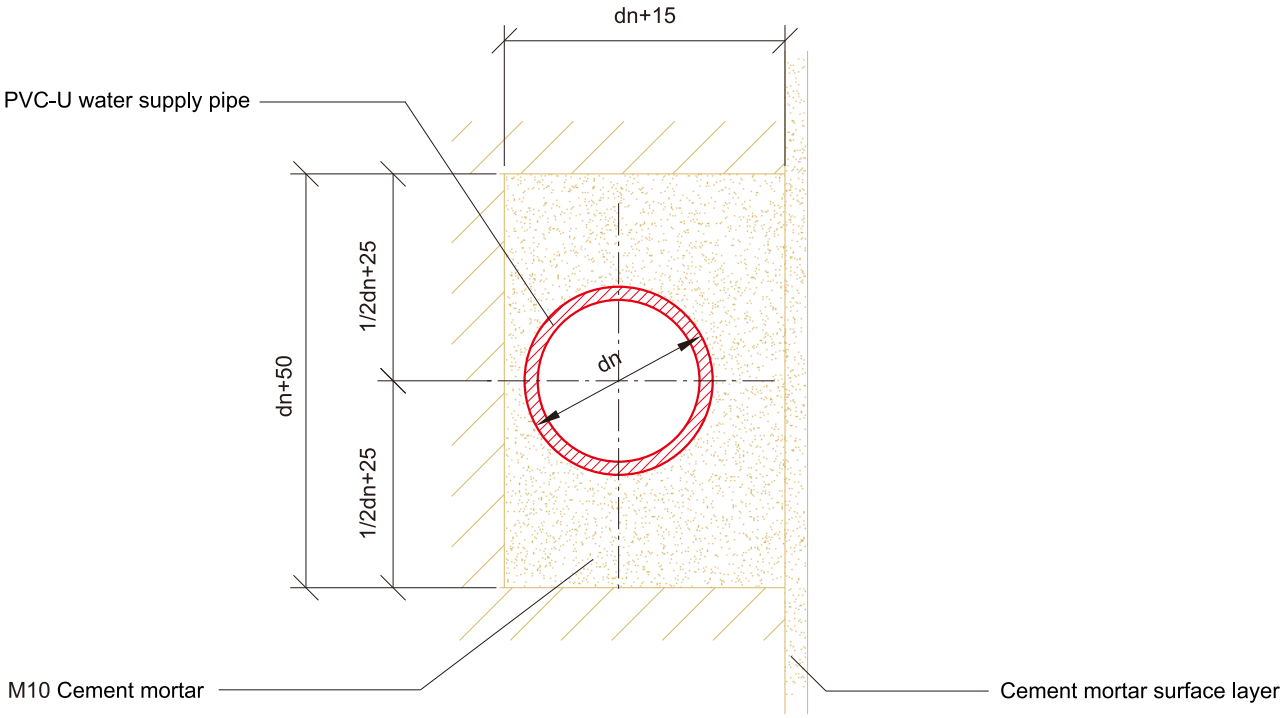

## (6) The Method of Pipe Crossing Roof Surface Shows Below:



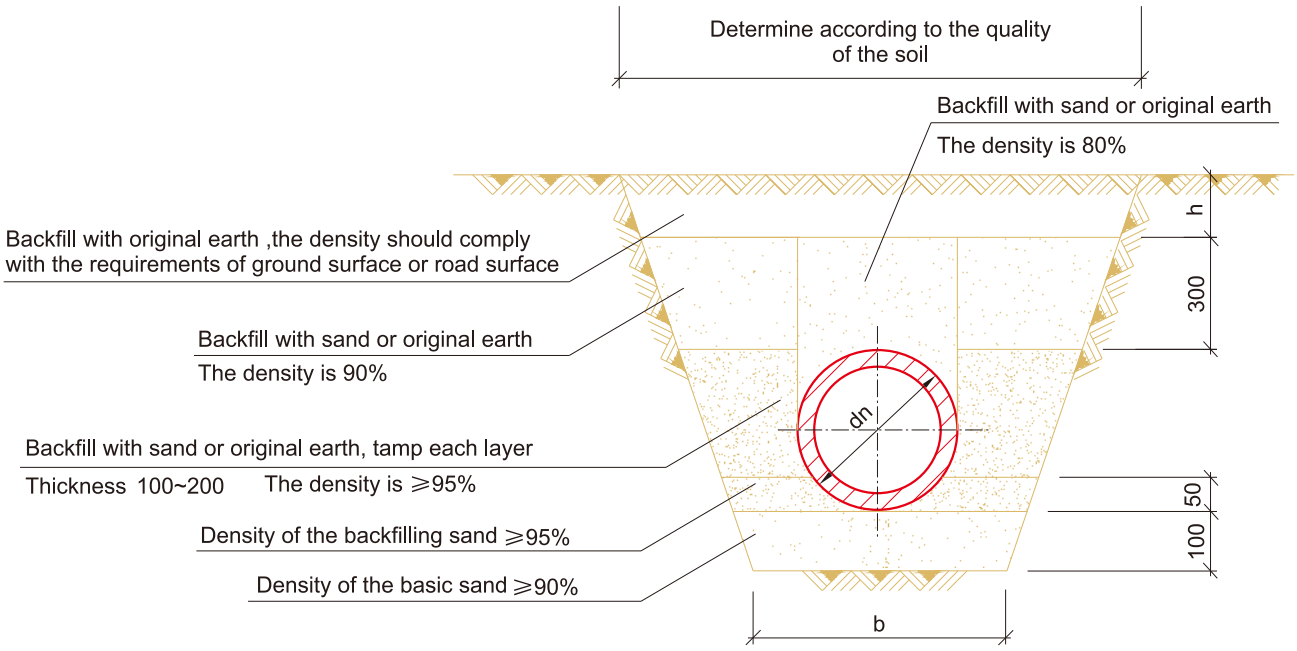
## (7) The Method of Pipe Crossing Pool (or water tank) Shows Below:



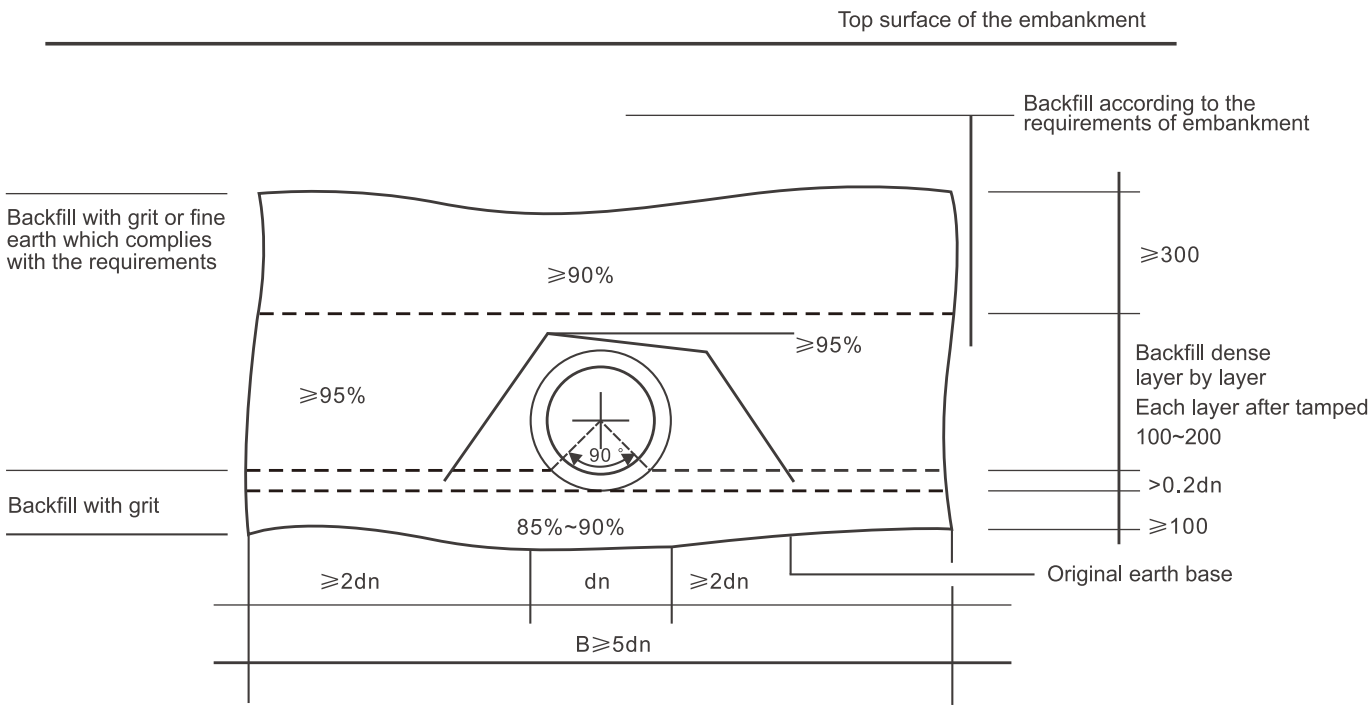

## (8) The Method of Pipe Set in the Wall Shows Below:



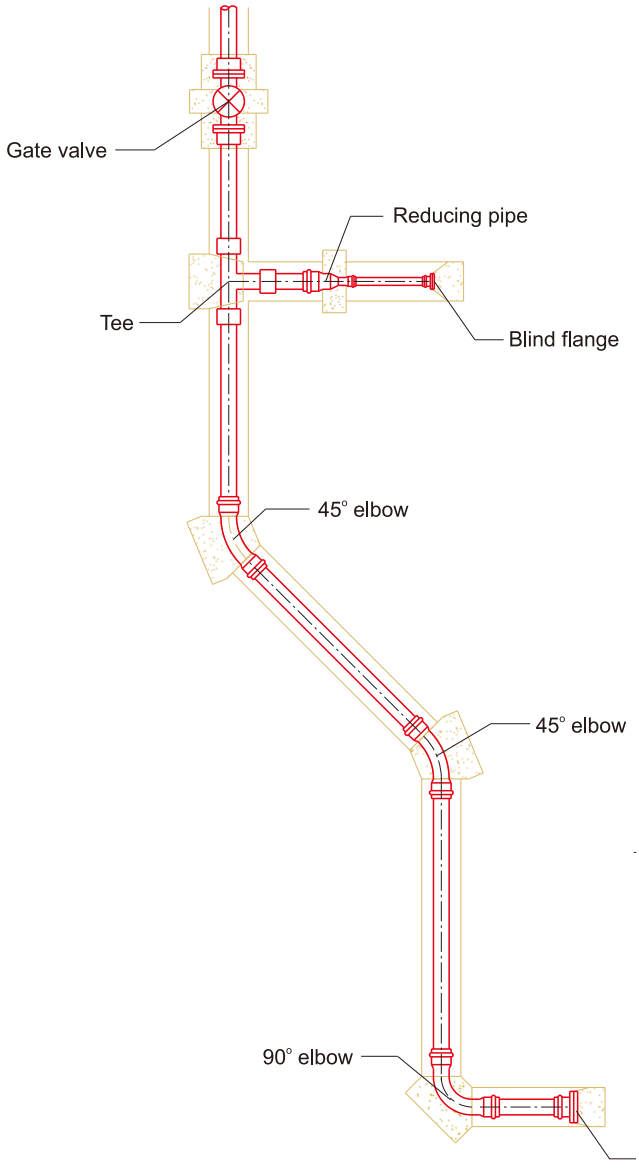
## (9) The Method of Backfilling the Groove Shows Below:



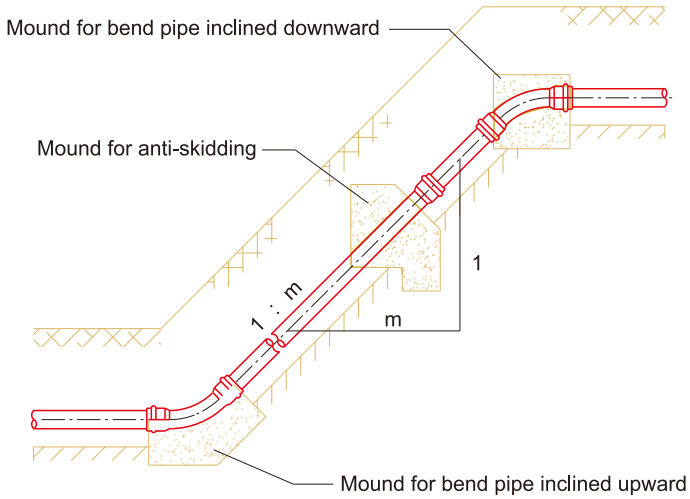

## (10) The Method of Burying the Pipe Shows Below:



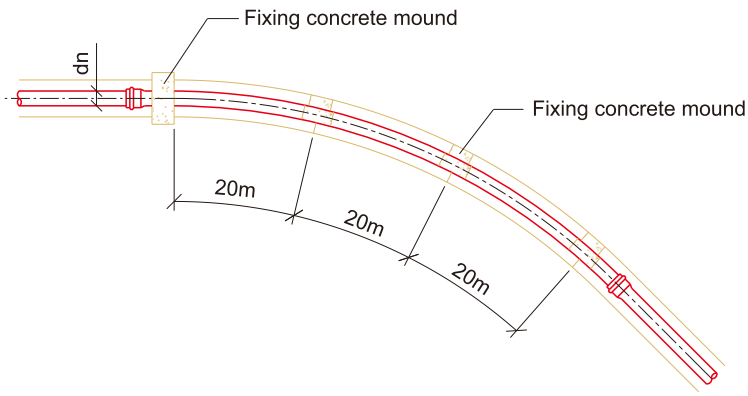
## (11) The Methods of Making Anti-pushing Mound, Fixing Mound, and Anti-skidding Mound Shows Below:




Mound for horizontal pipe




Mound for inclined pipe




Mound for cold bend layout pipe

## Distance between the anti-skidding mounds

| Gradient of the pipe(1:m) | Distance between the mounds |
|---|---|
| ≥1:6 | Every 5 pipes |
| ≥1:5 | Every 4 pipes |
| ≥1:4 | Every 3 pipes |
| ≥1:3 | Every 2 pipes |

BV certification for PVC-U water pipe and fittings comply with ISO 1452.

BUREAU VERITAS

## FACTORY APPROVAL CERTIFICATE

Certificate No.: **FA-IPC/SR/IPCA-20/017-06**

Name of the factory: **Guangdong Liansu Technology Industrial Co., Ltd.**

Address of the factory: **Liansu Industrial Estate, Longjiang Town, Shunde Zone, Foshan City, Guangdong, P. R. China**

Type(s) of product manufactured: **Water supply PVC-U pipes, PVC-U fittings**

Applying standards: **ISO 1452-2:2009(Pipes), ISO 1452-3:2009(Fittings)**

Information of product certified: **Annex I to Certificate**

After examination of the following documents:

- Quality System Certificate n° (ISO9001-2015): **0070018Q52729R6L (2018-08-07 to 2021-08-06)**
- Factory Audit Report n°: **FR-IPC/SR/IPCA-20/017-06**

The undersigned, inspector of Bureau Veritas, certifies that the above factory meets the applicable requirements of BV procedure GM SI 210 for the production of the following types of pipes & fittings listed in **Annex I to Certificate**.

This certificate is valid from : **September 30, 2020**

For a period of three years, ending : **September 29, 2023**

This approval is only valid provided that every semi-annual audit (in annex) is done and found satisfactory by Bureau Veritas, and when no significant changes are made to the audited facility, its production rate and its quality system. These conditions will be assessed during semi-annual audits.

This approval is an integral and indissociable part of the voluntary certification process of pipes & fittings by Bureau Veritas as defined in BV procedure GM SI 210.

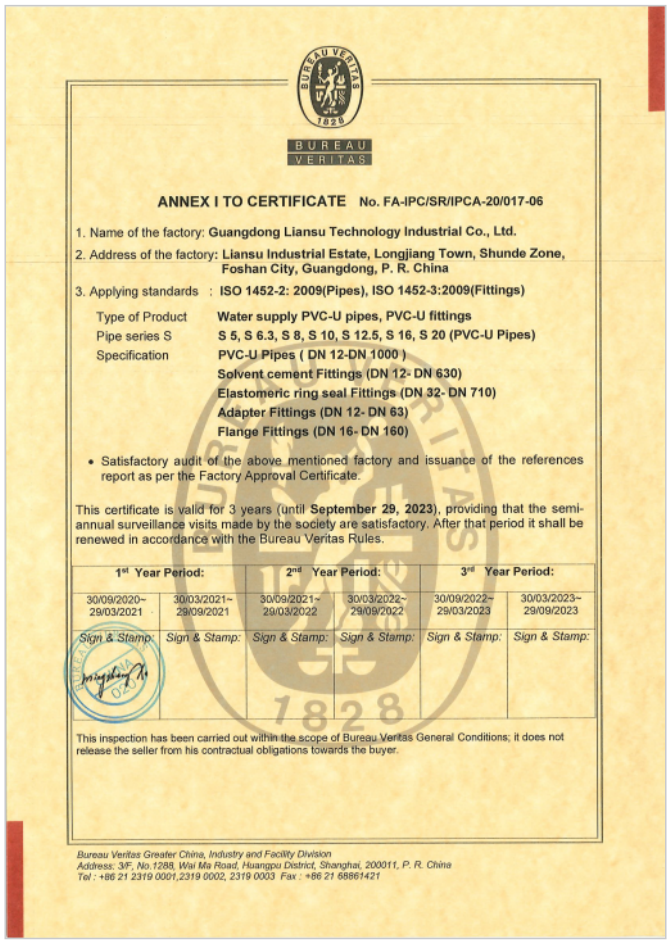
Made at: Shanghai

Name & signature: Mingsheng Xu

On: September 30, 2020

BV China INS Department Product Manager

*Bureau Veritas Greater China, Industry and Facility Division*
*Address: 3/F, No.1288, Wai Ma Road, Huangpu District, Shanghai, 200011, P. R. China*
*Tel : +86 21 2319 0001,2319 0002, 2319 0003 Fax : +86 21 68861421*



BUREAU VERITAS

**ANNEX I TO CERTIFICATE** **No. FA-IPC/SR/IPCA-20/017-06**

1. Name of the factory: **Guangdong Liansu Technology Industrial Co., Ltd.**
2. Address of the factory: **Liansu Industrial Estate, Longjiang Town, Shunde Zone, Foshan City, Guangdong, P. R. China**
3. Applying standards : **ISO 1452-2: 2009(Pipes), ISO 1452-3:2009(Fittings)**

| | |
|---|---|
| Type of Product | **Water supply PVC-U pipes, PVC-U fittings** |
| Pipe series S | **S 5, S 6.3, S 8, S 10, S 12.5, S 16, S 20 (PVC-U Pipes)** |
| Specification | **PVC-U Pipes ( DN 12-DN 1000 )** |
| | **Solvent cement Fittings (DN 12- DN 630)** |
| | **Elastomeric ring seal Fittings (DN 32- DN 710)** |
| | **Adapter Fittings (DN 12- DN 63)** |
| | **Flange Fittings (DN 16- DN 160)** |

- Satisfactory audit of the above mentioned factory and issuance of the references report as per the Factory Approval Certificate.

This certificate is valid for 3 years (until **September 29, 2023**), providing that the semi-annual surveillance visits made by the society are satisfactory. After that period it shall be renewed in accordance with the Bureau Veritas Rules.

| 1st Year Period: | | 2nd Year Period: | | 3rd Year Period: | |
|---|---|---|---|---|---|
| 30/09/2020~ 29/03/2021 | 30/03/2021~ 29/09/2021 | 30/09/2021~ 29/03/2022 | 30/03/2022~ 29/09/2022 | 30/09/2022~ 29/03/2023 | 30/03/2023~ 29/09/2023 |
| *Sign & Stamp:* | *Sign & Stamp:* | *Sign & Stamp:* | *Sign & Stamp:* | *Sign & Stamp:* | *Sign & Stamp:* |

This inspection has been carried out within the scope of Bureau Veritas General Conditions; it does not release the seller from his contractual obligations towards the buyer.

*Bureau Veritas Greater China, Industry and Facility Division*
*Address: 3/F, No.1288, Wai Ma Road, Huangpu District, Shanghai, 200011, P. R. China*
*Tel : +86 21 2319 0001,2319 0002, 2319 0003 Fax : +86 21 68861421*

WRAS certification for PVC-U water pipe comply with BS 6920.

Approval Number: 1610543
Test Report: MA5721/C/9

WRAS APPROVED MATERIAL

Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

14th February 2017

Guangdong Liansu Technology Industrial Co. Ltd.
Lesso Industrial Estate,
Longjiang Town,
Shunde Zone,
Foshan City,
Guangdong,
China

**WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS)**
**MATERIAL APPROVAL**

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

**POLYVINYLCHLORIDE (PVC, PVC-U AND CPVC) - COMPONENTS - ONLY LEAD FREE PVC-U LISTED IN THIS SECTION.** **5300**

'LSPVC-WE001'. Off-white coloured, extruded PVC pipe. For use with water up to 45°C.

**APPROVAL NUMBER: 1610543**
**APPROVAL HOLDER: GUANGDONG LIANSU TECHNOLOGY INDUSTRIAL CO. LTD.**

The Scheme reserves the right to review approval.
Approval 1610543 is valid between October 2016 and October 2021

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wras.co.uk/directory

Yours faithfully

Jason Furnival
Approvals & Enquiries Manager
Water Regulations Advisory Scheme

The Water Regulations Advisory Scheme Ltd. Registered in England No. 06663600 Registered office: 6D Lowick Close, Hazel Grove, Stockport, SK7 5ED
Tel:+44(0)333 207 9600 Fax:+44(0)1495 248 540 Email:info@wras.co.uk website:www.wras.co.uk

**WRAS MATERIAL APPROVAL - MATERIALS WHICH HAVE PASSED FULL TESTS OF EFFECT ON WATER QUALITY**

The material referred to in this letter is suitable for contact with water for domestic purposes. **Approval of this material does not signify the approval of its mechanical or physical properties for any use.**

Manufacturers or applicants may only quote in their sales literature terms which are used in this letter, namely that; 'the material as listed, having passed the tests of effect on water quality, is suitable for use in contact with wholesome water'

This may be abbreviated to 'Water Regulations Advisory Scheme - Approved Material' or 'WRAS Approved Material'.

The scope of an Approval does not extend to rebranded materials unless otherwise agreed by the Scheme.

**Use of the WRAS Approved Material Logo**

Approval holders may use the WRAS Approved Material logo and make reference to any approval issued by WRAS Ltd. in respect of a particular material or range of materials provided the approval is, and remains valid.

Approval holders are entitled to use the logo on the packing, promotional literature and point of sale advertising Approved Materials.

**Modifications to existing Approvals**

It is a condition of WRAS Material Approval that NO changes or modifications to the Approved Material, be made without the Approval Holder first notifying WRAS Ltd. Full details of the proposed changes must be provided to the Scheme. Failure to comply with this condition will immediately invalidate a previously granted Approval.

**Re-Approval**

WRAS will write to you 1 year before the approval expires asking whether you would like to renew it. Please complete the relevant section of the MA3 application form which will be included with the letter and return to WRAS (via e-mail or post).

Please note it is the responsibility of the Approval Holder to ensure the Approval remains valid. WRAS Ltd. accepts no liability for the delay in granting approval where this is caused by circumstances outside of the Scheme's control.

The Water Regulations Advisory Scheme Ltd. Registered in England No. 06663600 Registered office: 6D Lowick Close, Hazel Grove, Stockport, SK7 5ED
Tel:+44(0)333 207 9600 Fax:+44(0)1495 248 540 Email:info@wras.co.uk website:www.wras.co.uk

WRAS certification for PVC-U water pipe fittings comply with BS 6920.

Approval Number: 1610541
Test Report: MA5721/C/10

WRAS APPROVED MATERIAL

Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

14th February 2017

Guangdong Liansu Technology Industrial Co. Ltd.
Lesso Industrial Estate,
Longjiang Town,
Shunde Zone,
Foshan City,
Guangdong,
China

**WATER REGULATIONS ADVISORY SCHEME LTD. (WRAS)**
**MATERIAL APPROVAL**

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2000 and/or 2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

**POLYVINYLCHLORIDE (PVC, PVC-U AND CPVC) - COMPONENTS - ONLY LEAD FREE PVC-U LISTED IN THIS SECTION.** **5300**

'LSPVC-WE001'. Off-white coloured, injection moulded PVC fitting. For use with water up to 45°C.

**APPROVAL NUMBER: 1610541**
**APPROVAL HOLDER: GUANGDONG LIANSU TECHNOLOGY INDUSTRIAL CO. LTD.**

The Scheme reserves the right to review approval.
Approval 1610541 is valid between October 2016 and October 2021

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wras.co.uk/directory

Yours faithfully

Jason Furnival
Approvals & Enquiries Manager
Water Regulations Advisory Scheme

The Water Regulations Advisory Scheme Ltd. Registered in England No. 06663650 Registered office: 6D Lowick Close, Hazel Grove, Stockport, SK7 5ED
Tel:+44(0)333 207 9030 Fax:+44(0)1495 248 540 Email:info@wras.co.uk website:www.wras.co.uk

**WRAS MATERIAL APPROVAL - MATERIALS WHICH HAVE PASSED FULL TESTS OF EFFECT ON WATER QUALITY**

The material referred to in this letter is suitable for contact with water for domestic purposes. **Approval of this material does not signify the approval of its mechanical or physical properties for any use.**

Manufacturers or applicants may only quote in their sales literature terms which are used in this letter, namely that; 'the material as listed, having passed the tests of effect on water quality, is suitable for use in contact with wholesome water'

This may be abbreviated to 'Water Regulations Advisory Scheme - Approved Material' or 'WRAS Approved Material'.

The scope of an Approval does not extend to rebranded materials unless otherwise agreed by the Scheme.

**Use of the WRAS Approved Material Logo**

Approval holders may use the WRAS Approved Material logo and make reference to any approval issued by WRAS Ltd. in respect of a particular material or range of materials provided the approval is, and remains valid.

Approval holders are entitled to use the logo on the packing, promotional literature and point of sale advertising Approved Materials.

**Modifications to existing Approvals**

It is a condition of WRAS Material Approval that NO changes or modifications to the Approved Material, be made without the Approval Holder first notifying WRAS Ltd. Full details of the proposed changes must be provided to the Scheme. Failure to comply with this condition will immediately invalidate a previously granted Approval.

**Re-Approval**

WRAS will write to you 1 year before the approval expires asking whether you would like to renew it. Please complete the relevant section of the MA3 application form which will be included with the letter and return to WRAS (via e-mail or post).

Please note it is the responsibility of the Approval Holder to ensure the Approval remains valid. WRAS Ltd. accepts no liability for the delay in granting approval where this is caused by circumstances outside of the Scheme's control.

The Water Regulations Advisory Scheme Ltd. Registered in England No. 06663650 Registered office: 6D Lowick Close, Hazel Grove, Stockport, SK7 5ED
Tel:+44(0)333 207 9030 Fax:+44(0)1495 248 540 Email:info@wras.co.uk website:www.wras.co.uk

CE certification for PVC-U water pipe and fittings comply with ISO 1452-2, ISO 1452-3.

Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

# Certificate of Compliance

No. 0B170531.GLTUC87

Certificate's Holder: Guangdong Liansu Technology Industrial Co., Ltd.
Liansu Industrial Estate, Longjiang Town, Shunde Zone, Foshan City, Guangdong Province, China

Certification ECM Mark: European Conformity – Type Approved

Product: PPR Pipes and Fittings, PE Pipes and Fittings, UPVC Pipes and Fittings, CPVC Pipes and Fittings

Model(s):

| | |
|---|---|
| PPR Pipes and Fittings | DN10-160mm |
| PE Pipes and Fittings | DN16-1600mm |
| UPVC Pipes and Fittings | DN12-1000mm |
| CPVC Pipes and Fittings | DN12-160mm |

Verification to: Standard:
EN ISO 15874-1:2013, EN ISO 15874-2:2013,
EN ISO 15874-3:2013, EN 12201-1:2011,
EN 12201-2:2011+A1:2013, EN 12201-3:2011+A1:2012,
EN ISO 1452-1:2009, EN ISO 1452-2:2009,
EN ISO 1452-3:2010, EN ISO 15877-1:2009+A1:2010,
EN ISO 15877-2:2009+A1:2010,
EN ISO 15877-3:2009+A1:2010

related to CE Directive(s):
R 305/2011 (Regulation for the Marketing of Construction Products)

**Remark:** The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it
This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the CE Marking:
We attest that a TCF for the CE Marking process is in place. Whereas the Manufacturer is Responsible to start the CE *Marking Certification Procedure* through an appointed Notified Body and the perform all the necessary activities, as required by the Directive and accepted by the Notified Body, before placing the CE Mark on the product(s).

Date of issue 31 May 2017

Expiry date 30 May 2022

Chief Manager
Marco Morina

Deputy Manager
Amanda Payne

**Ente Certificazione Macchine Srl**
Via C[illegible] 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (B[illegible]A)
☎ +39 0[illegible] 67[illegible]41 🖷 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it

cUPC certification for PVC water pipe and fittings comply with ASTM D 2466, CSA B137.3.

## IAPMO RESEARCH AND TESTING, INC.

5001 East Philadelphia Street, Ontario, California 91761-2816 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org

ANSI Accredited Program PRODUCT CERTIFICATION #0202

SCC Accredited CB-P/S OCPS Accrédité CCN

# CERTIFICATE OF LISTING

**IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.**

The most updated information on this Certificate of Listing is available online at pld.iapmo.org

Effective Date: December 2014 Void After: December 2015

Product: POLY VINYL CHLORIDE (PVC) Plastic Pipe Fittings, Schedule 40 File No. 7531

Issued To: Guangdong Liansu Technology Industrial Co., Ltd
Liansu Industrial Estate
Longjiang Town, Shunde Zone
Foshan, GUANGDONG 528318
China

Identification: Fittings shall be marked permanently and legibly with manufacturer's name or trademark, material designation (PVC I for PVC 12454-B, PVC 12 for PVC 12454-C, PVC 13 for PVC 13354-C and 11443-B, and PVC II for PVC 14333-D), size, "D2466,", "B137.3" and the cUPC® certification mark. Fittings intended for contact with potable water shall bear the mark or the seal of the laboratory making the evaluation for potable water contact as well as the word "potable" or the designation "P" or "PW". Note: Where the size of the fitting does not allow complete marking, omit identification marking in the following sequence: size, material designation, manufacturer's name or trademark. Where recessed marking is used, care shall be taken to see that in no case marking causes cracks or reduces the wall thickness below the minimum specified.

Characteristics: Poly vinyl chloride (PVC) schedule 40 pipe fittings for use only with the distribution of pressurized liquids, which are chemically compatible with the piping materials. Note: Due to inherent hazards

Chairman, Product Certification Committee

CEO, The IAPMO Group

IAPMO RESEARCH AND TESTING, INC. NON-PROFIT CORPORATION OCTOBER 29 1964 CALIFORNIA

**This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing.**

LESSO

## CHINA LESSO GROUP HOLDINGS LIMITED

(Hong Kong Listed Stock Code: 2128)


**GUANGDONG LIANSU TECHNOLOGY INDUSTRIAL CO.,LTD.**

Production Base:
LIANSU Industrial Estate, Longjiang Town, Shunde District, Foshan City,
Guangdong Province 528318, China

Sales Tel: (86) 757 23379211 Fax : (86) 757 23378980 E-mail: oversea@lesso.com
Asia-1 : (86) 757-29223015 Africa-1 : (86) 757-29226356 Middle East : (86) 757-29226355
Asia-2 : (86) 757-29220500 Africa-2 : (86) 757-23379211 South America : (86) 757-29220501

www.lesso.com



* This catalog has been prepared as a support guide. Under no circumstance shall LESSO assume any liability or responsibility with the information in this catalog. Every effort has been made by LESSO to provide accurate and up to date information.

**All Rights Reserved**



**2022.12** Printed in China (HC)


Website-official Website alibaba Mail to Us