LINK THE WORLD
A NEW ERA OF DEVELOPMENT TO THE FUTURE

ERA PIPING(ZHEJIANG) CO., LTD.

Add: No. 1118 Huangjiao Road, Huangyan Economic Development Zone
Taizhou, Zhejiang, 318020, China
Tel: +86 576 84279933, +86 576 84162705
Website: www.era.com.cn www.erapipefittings.com
Email: sales@era.com.cn info@era.com.cn

WE RESERVE RIGHTS TO ANY TECHNICAL CHANGES.

VERSION NUMBER 202503

ERA®

PLASTIC PIPING SYSTEM

ERA® PLASTIC PIPING SYSTEM SINCE 1993

ERA®

SINCE 1993

PLASTIC PIPING SYSTEM

CHINA ERA GROUP
ERA PIPING(ZHEJIANG) CO., LTD.

VERSION NUMBER 202503

WRAS APPROVED PRODUCT Water Mark NSF DVGW CERTI SR-CU ACS UPC BEP Approved

WELCOME TO ERA GROUP

ERA Co., Ltd., a listed company, is one of the leading manufacturers in China, specializing in PVC, PPR, CPVC, PE, PP piping systems. ERA Piping (Zhejiang) Co., Ltd. is a wholly-owned subsidiary of ERA Co., Ltd. and mainly undertakes foreign trade business.

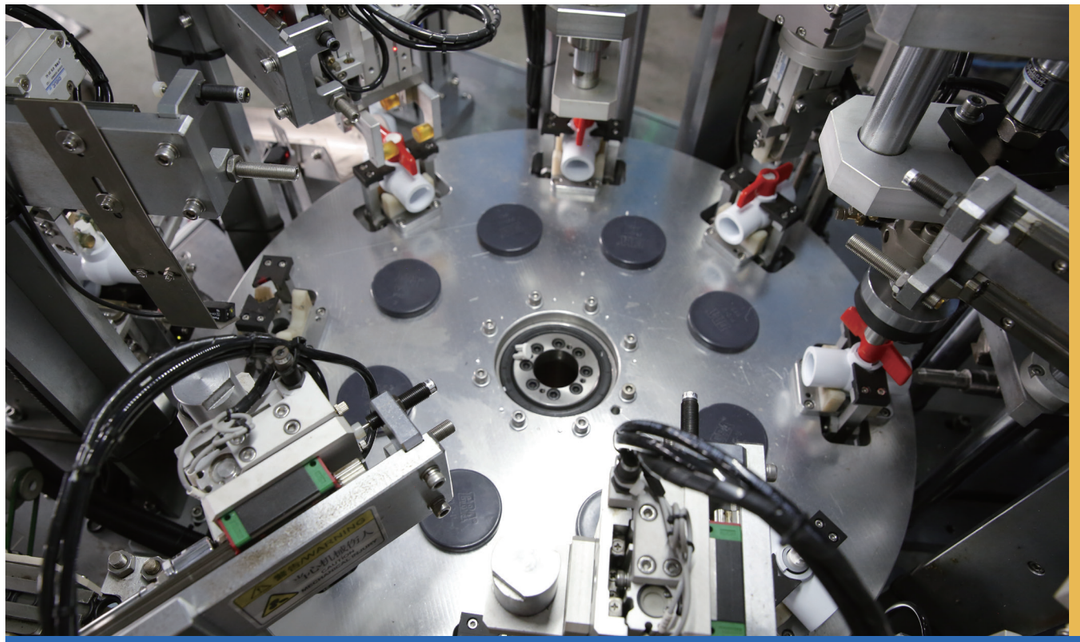
With an annual production capacity of 1,600,000 tons, ERA Co., Ltd. has more than 7000 employees in 13 factories covering 1,534,000 square meters in China, including 5 factories in Taizhou, and the other 8 ones in Shenzhen, Guangzhou, Shanghai, Tianjin, Chongqing, Anhui , Hunan and Jiangsu. ERA also has another three foreign sales subsidiaries in main sales countries and cities for different markets: the factory in Dubai named ERA Middle East FZE, the company in Kenya named ERA African Piping Co.,Ltd., and the company located in Shanghai named Shanghai ERA International Trade Co.,Ltd..

Equipped with 1480 injection machines, 635 extrusion machines and 60000+ products, ERA reached a sales turnover of USD 1,394,230,000 in 2021 including export sales covering 146 countries all over the world.

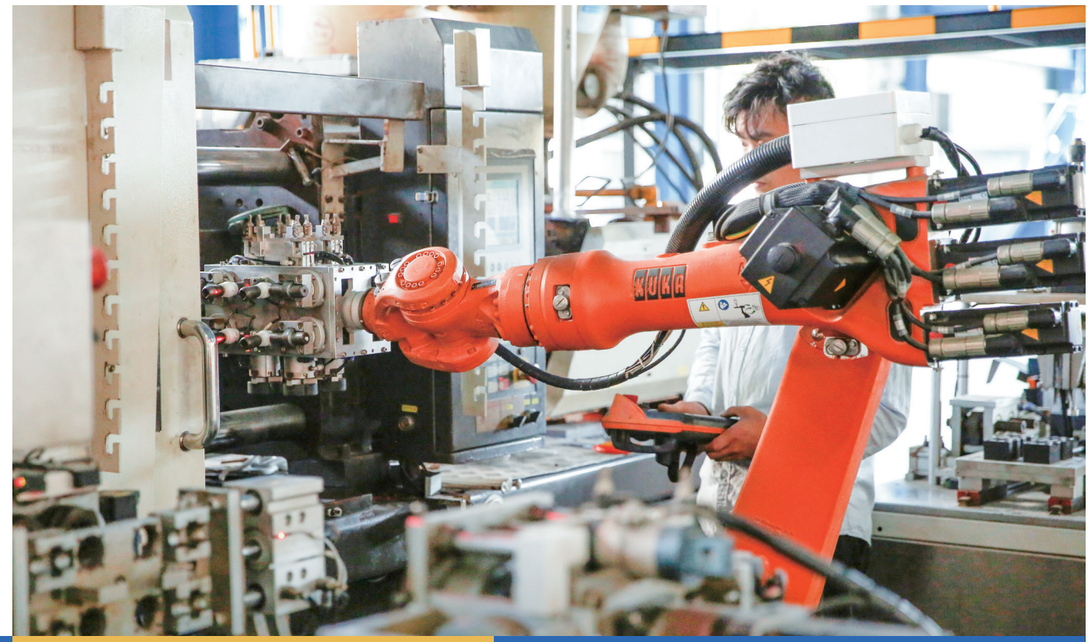
With high-class raw material, strictly follow ISO9001 and ISO14001 to control quality, ERA Co., Ltd. has been offering high quality products and the best service to our customers and partners since its establishment. Up till today, ERA Co., Ltd. Has gained certificates such as NSF, DVGW, WATERMARK, KITEMARK, UPC, WRAS, CE, TUV, GOST and etc. ERA has the confidence to become your reliable and excellent supplier.

ERA®

SINCE 1993

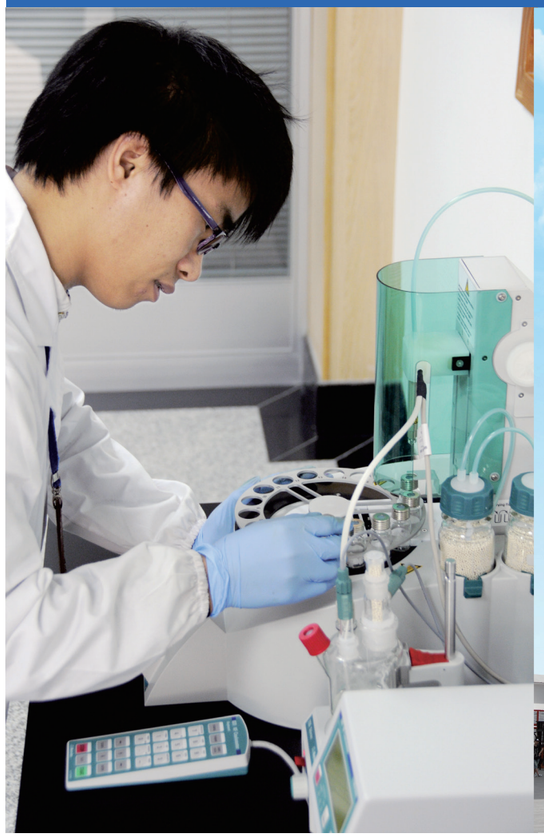


PRODUCTION AND TECHNOLOGY



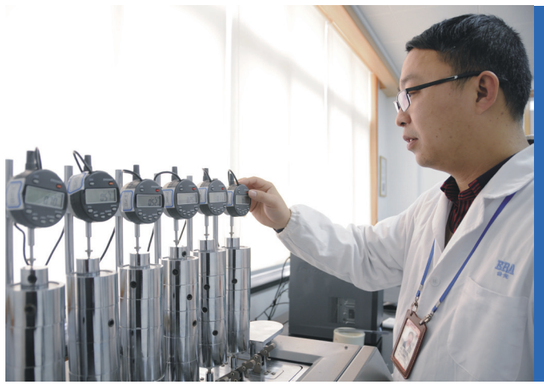
PRODUCTION AND TECHNOLOGY

RESEARCH AND DEVELOPMENT/QC SYSTEM



AUTOMATIC KARL FISCHER MOISTURE METER

R&D/QC CENTER



THERMAL DEFORMATION AND VICAT SOFTENING POINT TEMPERATURE TESTER

ACCREDITED LABORATORY

DIFFERENTIAL SCANNING CALORIMETER

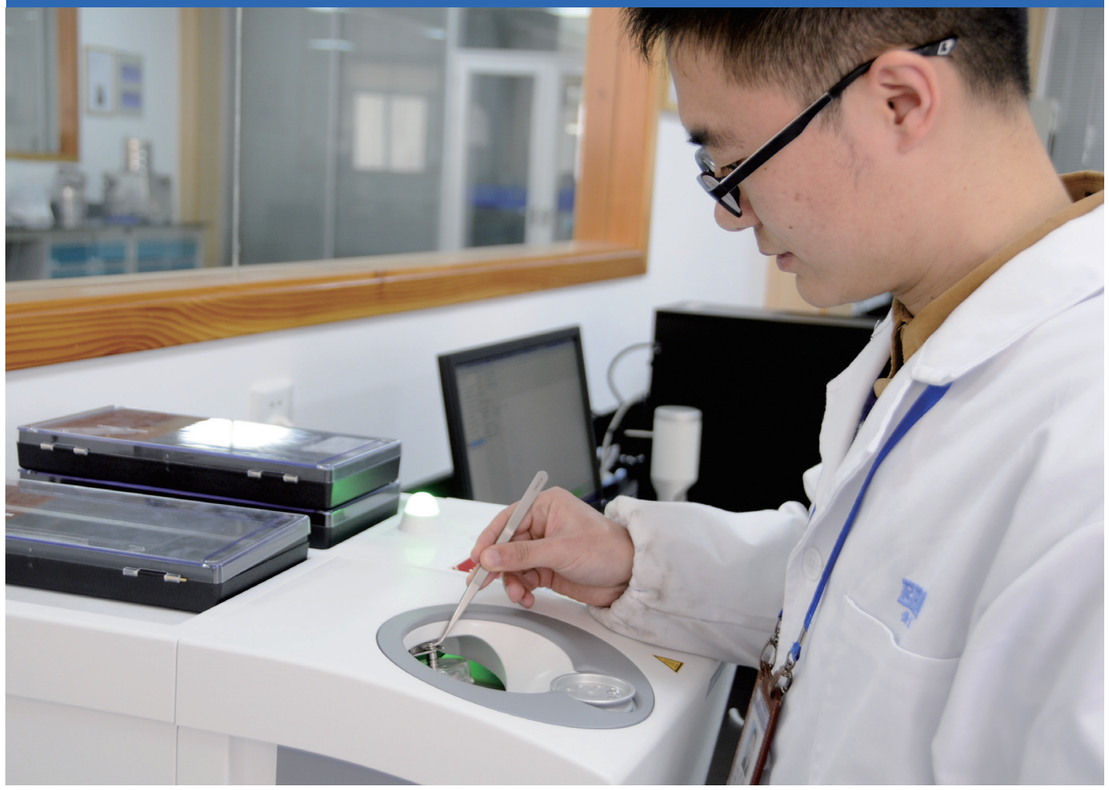
HYDROSTATIC TEST

IMPACT TEST

SCANNING ELECTRON MICROSCOPY,SEM

BRABENDER TORQUE RHEOMETER

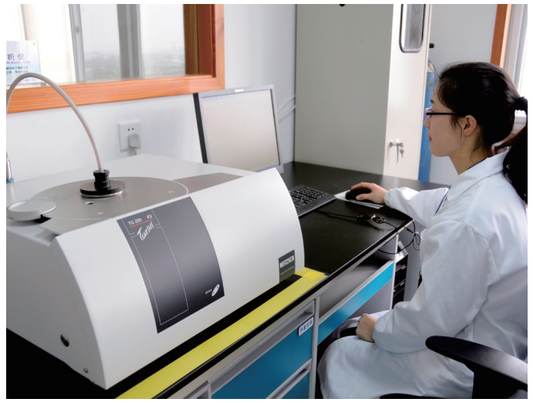
RESEARCH AND DEVELOPMENT/QC SYSTEM



DIFFERENTIAL SCANNING CALORIMETER

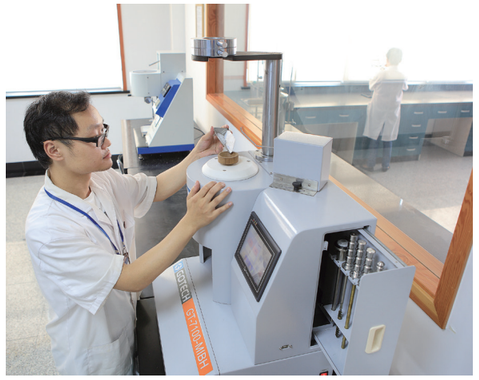
HYDROSTATIC PRESSURE
TESTING MACHINE

ACCREDITED LABORATORY



THERMAL GRAVIMETRIC ANALYZER.TGA

DENSITY TEST



MFA TEST

HAPRO TORQUE RHEOMETER

FOURIER TRANSFORM
INFRARED SPECTROMETER,FTIR

INTERNATIONAL CERTIFICATIONS

bsi.

Kitemark™ Certificate

This is to certify that:

Yonggao Co., Ltd.
Huangyan Economic Development Zone
No.2 Dalxi Road
Taizhou
Zhejiang
318020
China

Holds Certificate Number: KM 582996

In respect of:

BS EN ISO 1452-3
Plastic piping systems for water supply -, unplasticized poly (vinyl chloride) (PVC-U) -, Part 3 Fittings

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI: Gary Fenton, Global Product Certification Director

First Issued: 25/09/2015 Latest Issue: 06/06/2016

Page: 1 of 2

...making excellence a habit.

This certificate has been issued by and remains the property of BSI Management Systems Certification (Beijing) Company Limited, Room No. 2008, East Ocean Center, No. 24 Jianguomenwai Avenue, Chaoyang District, Beijing, China.
To check its validity telephone +86 21 24 31 2026. An electronic certificate can be authenticated online.

Head Office: BSI Assurance UK Limited, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP, UK. Registered in England under number 7805321, at 389 Chiswick High Road, London, W4 4AL, United Kingdom.
A member of BSI Group of Companies.

NSF International
RECOGNIZES

Yonggao Co., Ltd.
Facility: Zhejiang, China

AS COMPLYING WITH NSF/ANSI 14, 61 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.

ANSI Accredited Program — Certification Program Accredited by the American National Standards Institute

Certification Program Accredited by the Standards Council of Canada

This certificate is the property of NSF International and must be returned upon request. For the most current and complete information, please access NSF's website (www.nsf.org).

August 6, 2012
Certificate# 1Q981 - 04

David Purkiss, General Manager
Water Distribution Systems

STANDARDSMARK LICENCE

SAI Global hereby grants:

Yonggao Co., Ltd

No. 2 Dalxi Road, Huangyan Economic Development Zone, Taizhou, Zhejiang China

And

No. 1118 Huangjiao Road, Huangyan Economic Development Zone, Taizhou, Zhejiang China

StandardsMark Licence

Manufactured to:

AS/NZS 1260:2017 -PVC-U pipes and fittings for drain, waste and vent applications

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee" and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

Licence No: SMK26022

Issued: 13 June 2020 — Originally Certified: 12 June 2020
Expires: 11 June 2025 — Current Certification: 12 June 2020

Jessica Hitchcock, General Manager Technical Services, SAI Global Assurance

JAS-ANZ — Australian Accredited — www.jas-anz.com

*For details of manufacture, refer to the licensee.
This Certificate is not transferable and remains the property of SAI Global Pty Limited (ACN 050 611 642) and is issued conditionally upon the payment of the fees set out in SAI Global Certification Services Pty Limited (ACN 108 716 669) SAI Global Limited (ABN 67 050 611 642) SAI Global Certification Services Pty Limited (ACN 108 716 669) SAI Global Limited (ABN 67 050 611 642) 286 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001, Tel: +61 2 9239 0000 Fax: +61 2 9239 0001 and is subject to and bound by the Rules and Terms and Conditions governing the use of the certification mark(s) licensed to the above user by Australian Standard®. Use of this certificate is subject to the Rules for the use of certification marks licensed by SAI Global Limited. To verify that this certificate is current, search for its number on our online Certificate Directory at www.saiglobal.com/certificates. Any alteration of this certificate could be grounds for revocation of the licence.*

SAI GLOBAL

STANDARDSMARK LICENCE

SAI Global hereby grants:

Yonggao Co., Ltd

No. 2 Dalxi Road, Huangyan Economic Development Zone, Taizhou, Zhejiang China

And

No. 1118 Huangjiao Road, Huangyan Economic Development Zone, Taizhou, Zhejiang China

StandardsMark Licence

Manufactured to:

AS/NZS 1260:2017 - PVC-U pipes and fittings for drain, waste and vent applications

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee" and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

Licence No: SMK26022

Issued: 13 June 2020 — Originally Certified: 12 June 2020
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Jessica Hitchcock, General Manager Technical Services, SAI Global Assurance

JAS-ANZ — Australian Accredited — www.jas-anz.com

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SAI GLOBAL

CERTIFICATE OF CONFORMITY

SAI Global hereby grants:

Yonggao Co., Ltd

No. 2 Dalxi Road, Huangyan Economic Development Zone, Taizhou, Zhejiang China

And

No. 1118 Huangjiao Road, Huangyan Economic Development Zone, Taizhou, Zhejiang China

WaterMark Certificate of Conformity

Evaluated to:

AS/NZS 1477:2017 - PVC pipes and fittings for pressure applications

"the WaterMark Licensee" the right to use or arrange the use of WATERMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the WaterMark Licensee or on behalf of the WaterMark Licensee" and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The WaterMark Licensee covenants to comply with all the Rules and Terms and Conditions.

This Certificate is issued by a JAS-ANZ accredited certification body. The Scheme Owner, Administering Body and Accreditation Authority for the Scheme is the Australian Building Codes Board (ABCB). The Scheme is established pursuant to the WaterMark Certification Scheme Rules. The scheme sets out the requirements for the use of the product. The Scheme Owner determines the extent permitted by law, it is fully indemnified by product for claims of losses, expenses, damages and costs arising out of the use of the product(s) licensed to the Certificate.

Certificate No: WMKA26023

Issued: 13 April 2021 — Originally Certified: 19 November 2012
Expires: 18 November 2023 — Current Certification: 3 April 2021

Mark Dundon, General Manager Technical Services, SAI Global Assurance

JAS-ANZ — Watermark — ABCB

*For details of manufacture, refer to the licensee.
This Certificate is not transferable and remains the property of SAI Global Pty Limited (ACN 050 611 642) and is issued conditionally upon the payment of the fees set out in SAI Global Certification Services Pty Limited (ACN 108 716 669) SAI Global Limited (ABN 67 050 611 642) 286 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001, Tel: +61 2 9239 0000 Fax: +61 2 9239 0001 and is subject to and bound by the Rules and Terms and Conditions governing the use of the certification mark(s) licensed to the above user by Australian Standard®. Use of this certificate is subject to the Rules for the use of certification marks licensed by SAI Global Limited. To verify that this certificate is current, search for its number on our online Certificate Directory at www.saiglobal.com/certificates. Any alteration of this certificate could be grounds for revocation of the licence.*

SAI GLOBAL

STANDARDSMARK LICENCE

SAI Global hereby grants:

Yonggao Co., Ltd

No.555 Huangjiao Road, Huangyan Economic Development Zone, Taizhou, Zhejiang, China

StandardsMark Licence

Manufactured to:

AS/NZS 2053.2:2001 - Conduits and fittings for electrical installations - Rigid plain conduits and fittings of insulating material
& AS/NZS 2053.3:2001 - Conduits and fittings for electrical installations - Corrugated conduits and fittings of insulating material

"the StandardsMark Licensee" the right to use the STANDARDSMARK as shown below only in respect of the goods described and detailed in the Schedule which are produced by the Licensee or on behalf of the Licensee" and which comply with the appropriate Standard referred to above as from time to time amended. The Licence is granted subject to the rules governing the use of the STANDARDSMARK and the Terms and Conditions for certification and licence. The Licensee covenants to comply with all the Rules and Terms and Conditions.

Certificate No:SMK40001

Issued: 26 September 2018 — Originally Certified: 26 September 2018
Expires: 24 September 2023 — Current Certification: 26 September 2018

Kevin Dundon, General Manager Technical Services, SAI Global Assurance

*For details of manufacture, refer to the licensee.
This Certificate is not transferable and remains the property of SAI Global Pty Limited (ACN 050 611 642) and is issued conditionally upon the payment of the fees set out in SAI Global Certification Services Pty Limited (ACN 108 716 669) SAI Global Limited (ABN 67 050 611 642) 286 George Street, Sydney NSW 2000, GPO Box 5420 Sydney NSW 2001, Tel: +61 2 9239 0000 Fax: +61 2 9239 0001 and is subject to and bound by the Rules and Terms and Conditions governing the use of the certification mark(s) licensed to the above user by Australian Standard®. Use of this certificate is subject to the Rules for the use of certification marks licensed by SAI Global Limited. To verify that this certificate is current, search for its number on our online Certificate Directory at www.saiglobal.com/certificates. Any alteration of this certificate could be grounds for revocation of the licence.*

SAI GLOBAL

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 — IAPMO R&T — UPC

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 quality assurance system. This listing is subject to the terms and conditions of the Agreement for Product Certification between the supplier and IAPMO R&T. This listing is subject to the limitations set forth in the applicable standard(s) listed 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 pid.iapmo.org

Effective Date: July 2016 — Void After: July 2017

Product: PVC4 TYPI, CHLORIDE (PVC) Plastic Pipe Fittings, Schedule 40 — File No. 9991

Issued To: Yonggao Co., Ltd.
No. 2 Dalxi Road,
Huangyan Economic Development Zone
Taizhou, ZJ 318020
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, "IAPMO," and the UPC® 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.

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

David Mc Kinzy, Chairman, Product Certification Committee — Rieen Khanna, CEO, The IAPMO Group

This listing period is based upon the test date of the results indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, quality control, design, or construction may cause the listed product to be discontinued or to no longer be in compliance with applicable codes and standards or of similar workmanship, may be deemed sufficient cause for revocation of this listing. Continued use of this Certificate of Listing is permitted only to specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing.

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 — IAPMO R&T — NSF

NSF/ANSI 61 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 quality assurance system. This listing is subject to the terms and conditions of the Agreement for Product Certification between the supplier and IAPMO R&T. This listing is subject to the limitations set forth in the applicable standard(s) listed 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 pid.iapmo.org

Effective Date: July 2016 — Void After: July 2017

Product: Drinking Water System Components - Health Effects — File No. 9-9992

Issued To: Yonggao Co., Ltd.
No. 2 Dalxi Road,
Huangyan Economic Development Zone
Taizhou, ZJ 318020
China

Identification: Each product shall be permanently and legibly marked with the manufacturer's name or trademark. The product may also be marked with the standard designation "NSF/ANSI 61".

Characteristics: Materials or products that come into contact with drinking water and/or drinking water treatment chemicals. Products and materials may include process media, protective materials, joining and sealing materials, pipes and related products, mechanical devices used with treatment/transmission/distribution systems, and mechanical plumbing devices. To be installed in accordance with the manufacturer's instruction. Lead free requirements are addressed under a separate certificate of listing.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

David Mc Kinzy, Chairman, Product Certification Committee — Rieen Khanna, CEO, The IAPMO Group

This listing period is based upon the test date of the results indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, quality control, design, or construction may cause the listed product to be discontinued or to no longer be in compliance with applicable codes and standards or of similar workmanship, may be deemed sufficient cause for revocation of this listing. Continued use of this Certificate of Listing is permitted only to specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing.

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bsi.

Kitemark™ Certificate

This is to certify that:

Yonggao Co., Ltd.
Huangyan Economic Development Zone
No.2 Dalxi Road
Taizhou
Zhejiang
318020
China

Holds Certificate Number: KM 582997

In respect of:

BS EN 1329-1
Plastic piping systems for soil and waste discharge (low and high temperature) within the building structure - unplasticized poly(vinyl chloride) (PVC-U)

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.

For and on behalf of BSI: Gary Fenton, Global Product Certification Director

First Issued: 29/09/2016 Latest Issue: 09/03/2017

Page: 1 of 2

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This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated online.

BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A member of BSI Group of Companies.

CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON
Laboratoire Agréé par les ministres et sous par le Ministère de la Santé
Laboratoire habilité par le Ministère chargé de la santé en application de l'article R 1321-52 du code de la santé publique

ATTESTATION DE CONFORMITE SANITAIRE
Certificate of sanitary conformity
Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la santé
Direction Générale de la Santé DGS/SD7A 2002 n°571 du 25 novembre 2002

Coordonnées du demandeur des essais / Contact details of the ACS owner:
YONGGAO CO., LTD.
No. 2 Dalxi Road
Huangyan Economic Development Zone
Taizhou City, Zhejiang Province.
P.R. CHINA

Nom de l'accessoire ou référence / Reference of the representative accessory:
Raccord PP / PP fitting - Female thread elbow with bracket 25x3/4"

N° de dossier attribué par le laboratoire /sabilité / Réf. référence : 19 ACC LY 858

Date de réalisation des essais d'hortie selon la norme XP P41-250 : du 2 Janvier 2019 au 22 Janvier 2019
Tests date according to the standard XP P41-250 : from January 02 to 22, 2019
Commentaires / Comments : les résultats des essais sont conformes aux exigences de la circulaire DGS/SD7A N° 571 du 25 Novembre 2002 . The results are in accordance with the requirements of the circular DGS/SD7A N°571 dated November 25, 2002

Famille d'accessoires couverts par l'ACS / Accessories' family covered by this certificate:
Raccords PP / PP fittings

Références / References:
Voir Annexe Jointe / See Annex Enclosed
(3 pages)

Délivrance délivrée par / Certificate issued by: Christelle AUTHOUELLE, Responsable Laboratoire MCDE CARSO, L.S.E.H.L. — Signature

A la date du / Date of issue: 14 février 2019
Date d'expiration / Expiry date: 14 Février 2024
Commentaires / Comments : /

DVGW CERT

DVGW-Baumusterprüfzertifikat
DVGW type examination certificate
DW-5501DM0020

Anwendungsbereich / *field of application*	Produkte der Wasserversorgung / *products of water supply*
Zertifikatinhaber / *owner of certificate*	YONGGAO CO., LTD. No.2 Dalxi Road, CN-318020 Taizhou, Zhejiang
Vertreiber / *distributor*	YONGGAO CO., LTD. No.2 Dalxi Road, CN-318020 Taizhou, Zhejiang
Produktart / *product category*	Kunststoffrohre für die Trinkwasserinstallation PP-R, SDR 6 (S17) / Trinkwasserinstallationssystem (S501)
Produktbezeichnung / *product description*	Trinkwasserinstallationssystem bestehend aus Fittings aus PP-R und Kunststoffrohren aus PP-R
Modell / *model*	ERAB PPR FITTING
Prüfberichte / *test reports*	Baumusterprüfung: V4487/8.2A vom 04.01.2021 (WAI), UBA-Leitlinie/BWGL: K-328721-20-AUslg vom 26.05.2020 (WHY) Mikrobiologische Prüfung: W-328527e-20-StKrü vom 03.06.2020 (WHY)
Prüfgrundlagen / *test basis*	DVGW W 534 (P) (01.07.2015) DVGW CERT ZP 8500 (08.03.2017) UBA KTW-BWGL (14.05.2020) UBA BWGL-Metalle (14.05.2020) UBA ELASTOM (16.03.2016) DVGW W 270 (P) (11.2007)
Ablaufdatum / AZ / *date of expiry / file no.*	04.01.2026 / 20-0371-WAE

28.01.2021 Dr.-Ing. Hill
DVGW CERT GmbH ist von der Deutsch Akkreditierungsstelle GmbH unter der Akkreditierungsnummer DAkkS D-ZE-12022-01-00 nach DIN EN ISO/IEC 17065:2013 für den Geltungsbereich Prüfung und Zertifizierung von Produkten der Energie- und Wasserversorgung akkreditiert.
DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply (DVGW)

DAkkS Deutsche Akkreditierungsstelle D-ZE-12022-01-00

DVGW CERT GmbH
Josef-Wirmer-Str. 1-3
53123 Bonn
Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 990
www.dvgw-cert.com
info@dvgw-cert.com

DVGW CERT

DVGW-Baumusterprüfzertifikat
DVGW type examination certificate
DW-8317DM0020

Anwendungsbereich / *field of application*	Produkte der Wasserversorgung / *products of water supply*
Zertifikatinhaber / *owner of certificate*	YONGGAO CO., LTD. No.2 Dalxi Road, CN-318020 Taizhou, Zhejiang
Vertreiber / *distributor*	YONGGAO CO., LTD. No.2 Dalxi Road, CN-318020 Taizhou, Zhejiang
Produktart / *product category*	Kunststoffrohre für die Trinkwasserinstallation PP-R, SDR 6 (S17)
Produktbezeichnung / *product description*	PPR FIRE Group I
Modell / *model*	ERAB PPR FIRE Group I
Prüfberichte / *test reports*	Baumusterprüfung: V4487/8.1A vom 04.01.2021 (WAI), UBA-Leitlinie/BWGL: K-328721-20-AUslg vom 26.05.2020 (WHY) Mikrobiologische Prüfung: W-328527e-20-StKrü vom 03.06.2020 (WHY)
Prüfgrundlagen / *test basis*	DVGW W 534 (P) (01.07.2015) UBA KTW-BWGL (14.05.2020) DVGW W 270 (P) (11.2007)
Ablaufdatum / AZ / *date of expiry / file no.*	04.01.2026 / 20-0370-WAE

28.01.2021 Dr.-Ing. Hill
DVGW CERT GmbH ist von der Deutsch Akkreditierungsstelle GmbH unter der Akkreditierungsnummer DAkkS D-ZE-12022-01-00 nach DIN EN ISO/IEC 17065:2013 für den Geltungsbereich Prüfung und Zertifizierung von Produkten der Energie- und Wasserversorgung akkreditiert.
DVGW CERT GmbH is an accredited body by DAkkS according to DIN EN ISO/IEC 17065:2013 for certification of products for energy and water supply (DVGW)

DAkkS Deutsche Akkreditierungsstelle D-ZE-12022-01-00

DVGW CERT GmbH
Josef-Wirmer-Str. 1-3
53123 Bonn
Tel. +49 228 91 88 - 888
Fax +49 228 91 88 - 990
www.dvgw-cert.com
info@dvgw-cert.com

BEST ENVIRONMENTAL PRACTICE

BEP Approved

ApprovalMark International hereby grants:

YONGGAO CO., LTD
No. 2 DAXI ROAD
HUANGYAN ECONOMIC DEVELOPMENT ZONE
TAIZHOU, ZHEJIANG
CHINA

Best Environmental Practice - PVC Pipes
Evaluated to:

AS/NZS 1260:2017 - PVC-U Pipes and fittings for drain, waste and vent applications
AS/NZS 1477:2017 - PVC-U pipes and fittings for pressure applications
AS/NZS 2053.2:2001 - Conduits and fittings for electrical installations - Rigid plain conduits and fittings of insulating material

The licensee complies with the requirements of Best Environmental Practice – PVC as per the relevant Australian or International Standard and Section 7 as specified in the Green Building Council of Australia (the "Requirements") Literature Review and Best Practice Guidance Note for PVC Pipes and Fittings (Version 1.0) under the Responsible pathway Number 2 - Manufacturer's Declaration as measured by the Green Star PVC Credit Auditor Verification Guidance - November 2013 ("the Criteria").

The documentation was reviewed by ApprovalMark International on 16th August 2021 and found to comply with the following requirements:

- **Manufacture of PVC Resin**
- **Manufacture and end of life management of PVC products**
- **Use of PVC Recycate in PVC products**

Note – Any changes introduced to the above requirements shall be immediately reported to ApprovalMark International in order to confirm the validity of the certificate.

Certificate No. BEP-AMI 78010

Issued: 16th August 2021
Expires: 28th August 2023

Originally Certified: 28th August 2017
Current Certification: 16th August 2021

John PRASAD, Director

BEP CERTIFIED

ApprovalMark

INTERNATIONAL

CERTIFICATIONS

IAPMO R&T

IAPMO RESEARCH AND TESTING, INC.
A non-profit corporation

5001 East Philadelphia Street, Ontario, California 91761-2816 | 909.472.4100 | 909.472.4250

This is to certify that

Yonggao Co., Ltd. Testing Center (Lab #IH37)

No. 555 Huangjiao Rd., Huangyan Economic Development Zone, Huangyan, Taizhou 318020 China

Is recognized by IAPMO Research and Testing, Inc. as an In-House Testing Laboratory. IAPMO Research and Testing, Inc. agrees to accept reports prepared by the Laboratory in accordance with the policies and procedures agreed to by the laboratory in the Laboratory Recognition Agreement. The Laboratory has satisfactorily demonstrated its compliance to ISO/IEC 17025:2017 as referenced in clause 6.2 of ISO/IEC 17065:2012, and has been verified as capable of performing tests in the following categories:

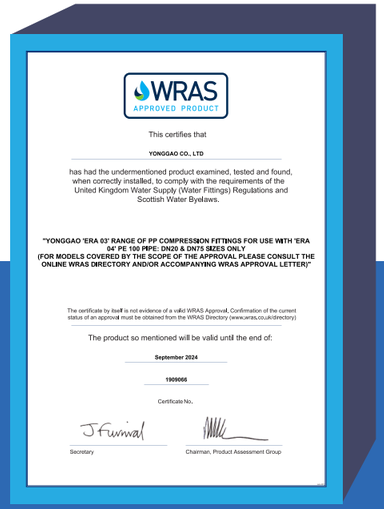
Plastic Pipe/ Fittings

IAPMO Research and Testing, Inc. will accept from the Laboratory only reports of testing conducted under the direct control and supervision of employees of the Laboratory.

This Laboratory Listing is valid beginning **12/31/2020** and expires after **12/31/2021**. This listing is subject to the conditions set forth by IAPMO Research and Testing, Inc. Any alteration of falsification of this certification may constitute grounds for delisting of the Laboratory. Reproduction of this certification, in whole or in part, for advertising purposes without the expressed written permission of IAPMO Research and Testing, Inc. is strictly prohibited.

Russ Chaney
Russ Chaney
Chief Executive Officer

Jin Luo
Executive Vice President of Laboratory Recognition



WRAS APPROVED PRODUCT

This certifies that

YONGGAO CO., LTD

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

"YONGGAO 'ERA 03' RANGE OF PP COMPRESSION FITTINGS FOR USE WITH 'ERA 04' PE 100 PIPE: DN20 & DN75 SIZES ONLY"
(FOR MODELS COVERED BY THE SCOPE OF THE APPROVAL PLEASE CONSULT THE ONLINE WRAS DIRECTORY AND/OR ACCOMPANYING WRAS APPROVAL LETTER)"

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

September 2024

1909066

Certificate No.

J Fuwwal
Secretary

Chairman, Product Assessment Group

ТАМОЖЕННЫЙ СОЮЗ
РЕСПУБЛИКИ БЕЛАРУСЬ, РЕСПУБЛИКИ КАЗАХСТАН И РОССИЙСКОЙ ФЕДЕРАЦИИ

СВИДЕТЕЛЬСТВО
о государственной регистрации
№ BY.70.06.01.013.E.003749.09.16 от 12.09.2016

Продукция:
Детали соединительные (фитинги) компрессионные с маркировкой «ERA» из полипропилена: соединительные муфты модели: DN20-DN110. Область применения: для холодного хозяйственно-питьевого водоснабжения. Изготовитель: YONGGAO CO., LTD, КИТАЙ (адрес: No.2, Dalxi Road, Huangyan East City Economic Development Zone, Taizhou, Zhejiang, China). Получатель: YONGGAO CO., LTD, КИТАЙ (адрес: No.2, Dalxi Road, Huangyan East City Economic Development Zone, Taizhou, Zhejiang, China)

соответствует
Единым санитарно-эпидемиологическим и гигиеническим требованиям к товарам, подлежащим санитарно-эпидемиологическому надзору (контролю), утв. Решением Комиссии таможенного союза от 28.05.2010 г., № 299. Глава II, раздел 3

прошла государственную регистрацию, внесена в Реестр свидетельств о государственной регистрации и разрешена для производства, реализации и использования.

Настоящее свидетельство выдано на основании:
Заключения ГУ "РЦГиЭиОЗ" от 12.09.2016 г., № 18-30/2016/63504

Срок действия свидетельства о государственной регистрации устанавливается на весь период изготовления продукции или поставок подконтрольных товаров на территорию таможенного союза

Главный врач ГУ "Республиканский центр гигиены, эпидемиологии и общественного здоровья" — В.В. Гриль

BY № 0115963

ЕВРАЗЭС

ТАМОЖЕННЫЙ СОЮЗ
РЕСПУБЛИКИ БЕЛАРУСЬ, РЕСПУБЛИКИ КАЗАХСТАН И РОССИЙСКОЙ ФЕДЕРАЦИИ

СВИДЕТЕЛЬСТВО
о государственной регистрации
№ RU.23.КК.08.013.E.000055.01.17 от 31.01.2017 г.

СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р
ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС CN.АГ66.НЮ329
Срок действия с 12.08.2016 по 11.08.2019
№ 2181191

ОРГАН ПО СЕРТИФИКАЦИИ рег. № РОСС RU.0001.11АГ66 ООО "ЕвроГаз". 117437, город Москва, улица Академика Волгина, дом 35, офис 310. Телефон 74994002237, адрес электронной почты info@eurocomtech.ru

ПРОДУКЦИЯ Детали соединительные, торговая марка «ERA»: фитинги компрессионные из полипропилена DN20-DN110, фитинги из полиэтилена DN20-DN400, фитинги из сшитого полиэтилена DN16-DN110. Серийный выпуск.
код ОК 005 (ОКП): 22 4800

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
ГОСТ Р 52134-2003 (пп. 5.2.16, 5.1.17, 5.3.19, 5.1.33)
код ТН ВЭД России: 3917 40 000 0

ИЗГОТОВИТЕЛЬ "Yonggao Co., Ltd".
Адрес: No.9 Yonggu Road, Huangyan Jiaojiao Street, Taizhou, Zhejiang, Kintaly.

СЕРТИФИКАТ ВЫДАН "Yonggao Co., Ltd".
Адрес: No.9 Yonggu Road, Huangyan Jiaojiao Street, Taizhou, Zhejiang, Kintaly.

НА ОСНОВАНИИ протокола испытаний № 1.07-527 от 22.07.2016 года, Испытательной лабораторией Общества с ограниченной ответственностью «СмолЭкарго», аттестат аккредитации регистрационный номер РОСС RU.0001.22ЭЛ50 от 27.07.2011

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Схема сертификации: 3

Руководитель органа А.А. Хромов
Эксперт А.А. Тарусов

Сертификат не применяется при обязательной сертификации

IQNet
THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

Yonggao Co.,Ltd.
for the following scope:
Design and production of unplasticized poly (vinyl chloride) (PVC-U) pipes and fittings for waste discharge in building; electrical insulation conduits and fittings in building; PP-R piping systems-pipes and fittings for hot and cold water (PP-R Od Φ 20-160mm); PE-RT piping systems-pipes and fittings for hot and cold water (PE-RT Id Φ 20-16mm); polyethylene (PE) piping systems-pipes and fittings for water supply (PE Od Φ 20-160mm); polybutylene (PB) piping systems-pipes and fittings for hot and cold water (PB Od Φ 20-160mm); flame retardant PVC insulated wire trough and accessories; PVC-U pipes and fittings (PVC-U Id Φ 20-160mm) for water supply, straight-melt type stable composite pipe (Od Φ 20-2mm); PVC-U ordinary drainage pipe; PVC-U pipes and fittings for underground drainage; polyethylene (PE) piping systems-pipes and fittings for underground gas, buried polyethylene (PE) piping systems-valves for underground gas; PE valves and fittings for vapour valve accessories for pipeline; production management of underground usage PE structure wall piping system-PE double wall corrugated pipes; PVC-U structural wall piping system for underground drainage-double wall corrugated pipes; PE structural wall piping system-polyethylene winding structural wall pipes
For the each site and certification scope to the attachment
has implemented and maintains a
Quality Management System
which fulfils the requirements of the following standard:
ISO 9001:2015
Issued on:2021-01-07
First Issued on:2020-01-14
Expires on: 2023-01-09
This information is directly linked to the IQNet Partner's original certificate and is valid only in case it is a stand-alone document
Registration Number: CN-002203/S3S5874I

Alex Stoichitoiu
President of IQNet

Ji XiaoDong
General Manager of COM

IQNet Partners*:
AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CQM Italy
CQC China CQM China CQS Czech Republic DQS Holding GmbH Germany FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia Inspecta Sertifiointi Oy Finland INTECO Costa Rica
IRAM Argentina JQA Japan KFQ Korea MARTEC Chile MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
PCBC Poland Quality Austria Austria Trans Quality Romania SII Israel SIQ Slovenia SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

IAC-MRA CNAS

China National Accreditation Service for Conformity Assessment
LABORATORY ACCREDITATION CERTIFICATE
(Registration No. CNAS L8221)

Yonggao Co., Ltd. Testing Center

(Legal Entity: Yonggao Co., Ltd.)

No.555, Huangjiao Road, Huangyan District, Taizhou, Zhejiang, China

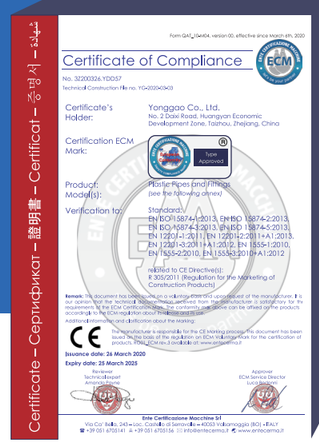
is accredited in accordance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake the service described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule forms an integral part of this certificate.

Effective Date: 2021-03-26
Expiry Date: 2025-03-26

Signed on behalf of China National Accreditation Service for Conformity Assessment

China National Accreditation Service for Conformity Assessment (CNAS) is authorized to confer upon successful applicants the right to use the CNAS symbol and the reference to mutual recognition arrangements. CNAS is a signatory of the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC-MRA) and the Asia Pacific Laboratory Accreditation Cooperation Mutual Recognition Arrangement (APLAC-MRA).
The validity of the certificate can be checked on CNAS website at http://www.cnas.org.cn/english/rdxwdtxx/rdtx/index.shtml



Certificate – Сертификат – 證明書 – Certificat – 증명서 – Certificado

Form QAF_CertA04, version 00, effective since March 4th, 2020

Certificate of Compliance

No. 32200326.YD057
Technical Construction File no. YG-0035-0409

Certificate's Holder: Yonggao Co., Ltd.
No. 2 Daixi Road, Huangyan Economic Development Zone, Taizhou, Zhejiang, China

Certification ECM Mark:

Product(s): Plastic Pipes and Fittings (see the following annex)

Verification for: Standard(s):
EN ISO 15874-1:2013, EN ISO 15874-2:2013, EN ISO 15874-3:2013, EN ISO 15874-5:2013, EN 12201-1:2011, EN 12201-2:2011+A1:2013, EN 1222-1-3:2011+A1:2012, EN 1555-1:2010, EN 1555-2:2010, EN 1555-3:2010+A1:2012
related to CE Directive(s):
305/2011 (Regulation for the Marketing of Construction Products)

Remark: This document has been issued by an Notified Body operating in accordance with the provisions of Annex ZA of the standard(s) listed. Manufacturer is responsible for all requirements for the CE Certification Process. This document has been issued as the basis of the regulation for ECM-Listing/Mark for the certification of products. Please check the database at www.ecmcertmark.it

Additional information about the Marking:
The manufacturer is responsible for the CE Marking process. This document has been issued as the basis of the regulation for ECM-Listing/Mark for the certification of products. Please check the database at www.ecmcertmark.it

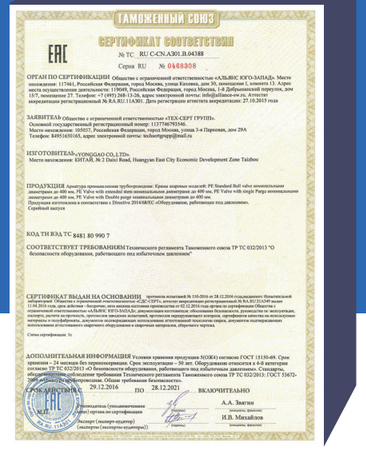
CE

Issuance date: 26 March 2020
Expiry date: 25 March 2025

Reviewer Technical Expert Annamaria Pisa

Approver ECM Service Director Luca Bassani

Ente Certificazione Macchine Srl
Via Cor. Bello, 243 • Loc. Castello di Serravalle • 40053 Valsamoggia (BO) • ITALY
☎ +39 051 6705141 • +39 051 6705154 ✉ info@entecerma.it • 🌐 www.entecerma.it



ТАМОЖЕННЫЙ СОЮЗ

СЕРТИФИКАТ СООТВЕТСТВИЯ
№ ТС RU.C-CN.АЖ01.В.04388
Серия RU № 0448308

ОРГАН ПО СЕРТИФИКАЦИИ Общество с ограниченной ответственностью «АЛЬЯНС ЮГО-ЗАПАД». Место нахождения: 117461, Российская Федерация, город Москва, улица Керченская, дом 5Б, помещение 1, комната 13. Адрес места осуществления деятельности: 119049, Российская Федерация, город Москва, 1-й Добрынинский переулок, дом 13/7, помещение 27. Телефон: +7 (495) 268-13-26, адрес электронной почты: info@alliance-ec.ru. Аттестат аккредитации регистрационный № RA.RU.11АЗ01. Дата регистрации аттестата аккредитации: 27.10.2015 года

ЗАЯВИТЕЛЬ Общество с ограниченной ответственностью «ТЕХ-СЕРТ ГРУПП».
Основной государственный регистрационный номер: 1137746795346.
Место нахождения: 105037, Российская Федерация, город Москва, улица 3-я Парковая, дом 29А
Телефон: 84951650365, адрес электронной почты: techsertgrup@mail.ru

ИЗГОТОВИТЕЛЬ YONGGAO CO.,LTDn.
Место нахождения: КИТАЙ, № 2 Daixi Road, Huangyan East City Economic Development Zone Taizhou

ПРОДУКЦИЯ Арматура промышленная трубопроводная: Краны шаровые моделей: PE Standard Ball valve запорнопольные диаметром до 400 мм, PE Valve with circular steel reinforcement запорнопольные диаметром до 400 мм, PE Valve with single Purge запорнопольные диаметром до 400 мм.
Серийный выпуск

КОД ТН ВЭД ТС 8481 80 990 7

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза ТР ТС 032/2013 "О безопасности оборудования, работающего под избыточным давлением"

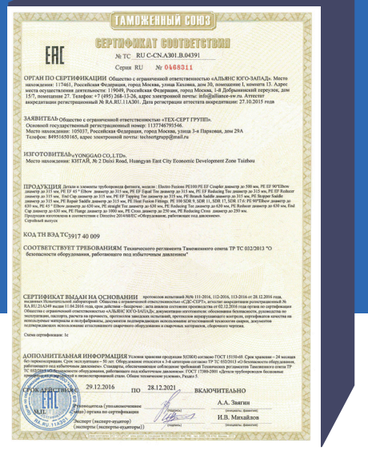
СЕРТИФИКАТ ВЫДАН НА ОСНОВАНИИ протоколов испытаний № 310-2016 от 28.12.2016 государственного бюджетного учреждения здравоохранения «Ростовская областная клиническая больница», аттестат аккредитации № RA.RU.21АЖ49 от 01.04.2016 года, срок действия – бессрочно, акта анализа состояния производства от 02.12.2016 года органа по сертификации Общества с ограниченной ответственностью «АЛЬЯНС ЮГО-ЗАПАД», документации изготовителя: обозначения безопасности, руководство по эксплуатации, паспорт, маркировка, технологическая документация, обеспечивающая соответствие требованиям безопасности, перечень используемых материалов и комплектующих, документов изготовителя, подтверждающих использование изготовителем сварочного оборудования и сварочных материалов, сборочного чертежа.

Схема сертификации: 1с

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Условия хранения продукции ХОЛОД согласно ГОСТ 15150-69. Срок хранения – 24 месяца. Срок эксплуатации – 50 лет. Оборудование относится к 4-й категории согласно ТР ТС 032/2013 «О безопасности оборудования, работающего под избыточным давлением». Стандарты, обеспечивающие соблюдение требований Технического регламента Таможенного союза ТР ТС 032/2013 ГОСТ 33652-2015 «Трубопроводная». Общие требования безопасности.

ПО ТР ТС 032/2013 29.12.2016 ПО 28.12.2021 ВКЛЮЧИТЕЛЬНО

Руководитель (уполномоченное лицо) органа по сертификации А.А. Звягин
Эксперт (эксперт-аудитор) И.В. Михайлов



ТАМОЖЕННЫЙ СОЮЗ

СЕРТИФИКАТ СООТВЕТСТВИЯ
№ ТС RU.C-CN.АЖ01.В.04391
Серия RU № 0448311

ОРГАН ПО СЕРТИФИКАЦИИ Общество с ограниченной ответственностью «АЛЬЯНС ЮГО-ЗАПАД». Место нахождения: 117461, Российская Федерация, город Москва, улица Керченская, дом 5Б, помещение 1, комната 13. Адрес места осуществления деятельности: 119049, Российская Федерация, город Москва, 1-й Добрынинский переулок, дом 13/7, помещение 27. Телефон: +7 (495) 268-13-26, адрес электронной почты: info@alliance-ec.ru. Аттестат аккредитации регистрационный № RA.RU.11АЗ01. Дата регистрации аттестата аккредитации: 27.10.2015 года

ЗАЯВИТЕЛЬ Общество с ограниченной ответственностью «ТЕХ-СЕРТ ГРУПП».
Основной государственный регистрационный номер: 1137746795346.
Место нахождения: 105037, Российская Федерация, город Москва, улица 3-я Парковая, дом 29А
Телефон: 84951650365, адрес электронной почты: techsertgrup@mail.ru

ИЗГОТОВИТЕЛЬ YONGGAO CO.,LTDn.
Место нахождения: КИТАЙ, № 2 Daixi Road, Huangyan East City Economic Development Zone Taizhou

ПРОДУКЦИЯ Детали соединительные, торговая марка «ERA»: фитинги компрессионные из полипропилена DN20-DN110, фитинги из полиэтилена DN20-DN400, фитинги из сшитого полиэтилена DN16-DN110. Серийный выпуск

КОД ТН ВЭД ТС 3917 40 009

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ Технического регламента Таможенного союза ТР ТС 032/2013 "О безопасности оборудования, работающего под избыточным давлением"

СЕРТИФИКАТ ВЫДАН НА ОСНОВАНИИ протоколов испытаний № 310-2016, 312-2016, 313-2016 от 28.12.2016 года, Испытательной лабораторией государственного бюджетного учреждения здравоохранения «Ростовская областная клиническая больница», аттестат аккредитации № RA.RU.21АЖ49 от 01.04.2016 года, срок действия – бессрочно, акта анализа состояния производства от 02.12.2016 года органа по сертификации Общества с ограниченной ответственностью «АЛЬЯНС ЮГО-ЗАПАД», документации изготовителя: обозначения безопасности, руководство по эксплуатации, паспорт, маркировка, технологическая документация, обеспечивающая соответствие требованиям безопасности, перечень используемых материалов и комплектующих, документов изготовителя, подтверждающих использование изготовителем сварочного оборудования и сварочных материалов, сборочного чертежа.

Схема сертификации: 1с

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Условия хранения продукции ХОЛОД согласно ГОСТ 15150-69. Срок хранения – 24 месяца. Срок эксплуатации – 50 лет. Оборудование относится к 4-й категории согласно ТР ТС 032/2013 «О безопасности оборудования, работающего под избыточным давлением». Стандарты, обеспечивающие соблюдение требований Технического регламента Таможенного союза ТР ТС 032/2013 ГОСТ 33652-2015 «Трубопроводная». Общие требования безопасности. Раздел 5

ПО ТР ТС 032/2013 29.12.2016 ПО 28.12.2021 ВКЛЮЧИТЕЛЬНО

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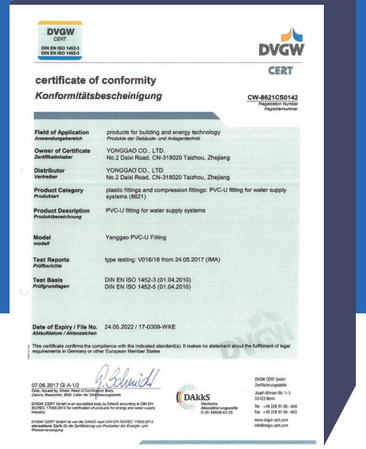
Эксперт (эксперт-аудитор) И.В. Михайлов



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DIN EN ISO 14653-3
DIN EN ISO 14653-4

DVGW CERT

certificate of conformity
Konformitätsbescheinigung

CW-9621CB0142
Registration Number / Registriernummer

Field of Application / *Anwendungsbereich*	products for building and energy technology / *Produkte der Gebäude- und Anlagentechnik*
Owner of Certificate / *Zertifikatinhaber*	YONGGAO CO., LTD. No.2 Daixi Road, CN-318020 Taizhou, Zhejiang
Distributor / *Vertreiber*	YONGGAO CO., LTD. No.2 Daixi Road, CN-318020 Taizhou, Zhejiang
Product Category / *Produktart*	plastic fittings and compression fittings: PVC-U fitting for water supply systems (9621)
Product Description / *Produktbeschreibung*	PVC-U fitting for water supply systems
Model / *model*	Yonggao PVC-U Fitting
Test Reports / *Prüfberichte*	type testing: V016/16 from 24.05.2017 (IMA)
Test Basis / *Prüfgrundlagen*	DIN EN ISO 1452-3 (01.04.2010) DIN EN ISO 1452-5 (01.04.2010)
Date of Expiry / File No. / *Ablaufdatum / Aktenzeichen*	24.05.2022 / 17-0309-WKE

This certificate confirms the compliance with the indicated standard(s). It makes no statement about the fulfillment of legal requirements in Germany or other European Member States

07.06.2017 GI A-1/2
Dipl.-Ing. (FH) Ralf Schmidt
Head of Certification Body
Datum, Bearbeiter, Abteil. Leiter der Zertifizierungsstelle

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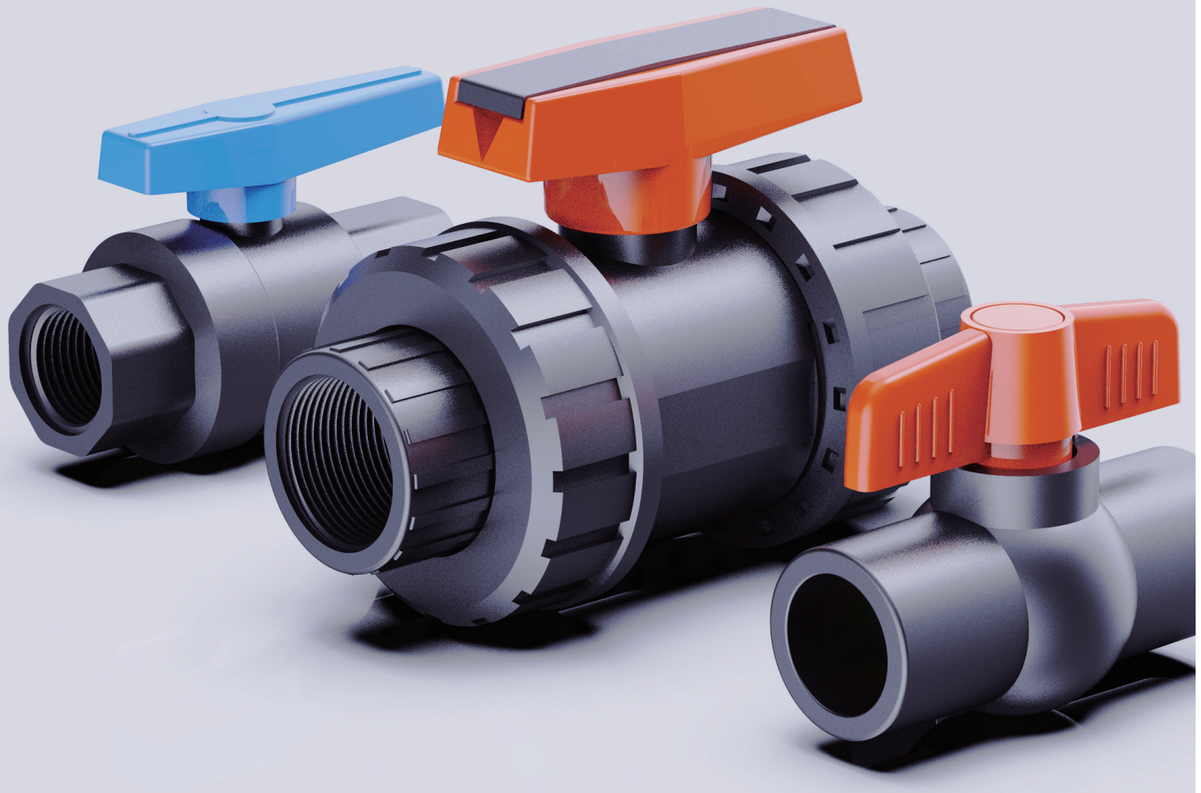
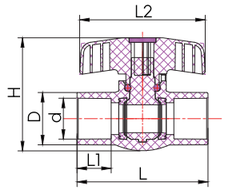


PLASTIC VALVES AND FITTINGS

VALVE

CE

PLASTIC VALVES AND FITTINGS



NSF

ITEM NO: UCB09

COMPACT BALL VALVE TYPE II ANSI

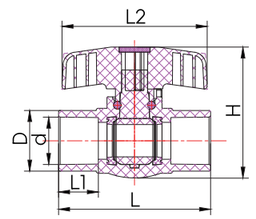
Dimensions

Nom Size	D	d	L	L1	L2	H
1/2"	27.5	21.6	69	18	66	60
3/4"	33.3	26.9	77	19	74	69.1
1"	41.2	33.7	90.5	23	87	80.9
1-1/4"	50.5	42.4	99.8	24.4	95.8	92.9
1-1/2"	57.8	48.6	118.9	28.3	114.8	103.9
2"	71.1	60.6	132.4	29.9	126.1	121.4

COMPACT BALL VALVE TYPE II DIN

Dimensions

Nom Size	D	d	L	L1	L2	H
20	26.9	20.4	66	16.5	66	59.2
25	32.8	25.3	77	19	74	68.6
32	40.1	32.3	89.6	22.5	87	80.4
40	48.4	40.3	104	26.5	95.8	92.5
50	59.4	50.5	125.3	31.5	114.8	104.3
63	72.8	63.5	148.6	38	126.1	121



NSF

ITEM NO:UCB08

OCTAGONAL BALL VALVE TYPE II ANSI

Dimensions

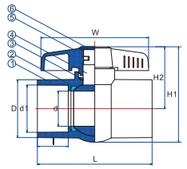
Nom Size	D	d	L	L1	L2	H
1/2"	27.5	21.6	69	18	66	60
3/4"	33.3	26.9	77	19	74	69.1
1"	41.2	33.7	90.5	23	87	80.9
1-1/4"	50.5	42.4	99.8	24.4	95.8	92.9
1-1/2"	57.8	48.6	118.9	28.3	114.8	103.9
2"	71.1	60.6	132.4	29.9	126.1	121.4

OCTAGONAL BALL VALVE TYPE II DIN

Dimensions

Nom Size	D	d	L	L1	L2	H
20	26.3	20.4	66	16.5	66	59.2
25	32.7	25.3	77	19	74	68.6
32	40	32.3	89.6	22.5	87	80.4
40	48.4	40.3	104	26.5	95.8	92.5
50	59.4	50.5	125.3	31.5	114.8	104.3
63	72.8	63.5	148.6	38	126.1	121

PLASTIC VALVES AND FITTINGS



ITEM NO:UCB01
- END CONNECTOR:THREAD,SOCKET
- WORKING PRESSURE:150PSI

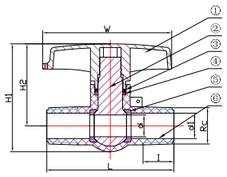
COMPACT BALL VALVE

Specification of material

NO.	PART	MATERIAL	QTY
1	Body	PVC,CPVC,PP	1
2	Seat Seal	TPE,PTEE	2
3	O-Ring	EPDM,FPM(NBR)	1
4	Ball	PVC,CPVC,PP	1
5	Handle	ABS	1
6	Cap	ABS	1

COMPACT BALL VALVE

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	NBR	d	D	L	l	w	H1	H2
15mm(1/2")	14	14	22	22	21.34	20	20	14.5	32	80	22	68.5	64.3	44.9
20mm(3/4")	14	14	26	26	26.67	25	25	20	36.8	92	25	80.5	76	52
25mm(1")	11.5	11	32	34	33.4	32	32	24	45	106	28	100	94	65
32mm(1-1/4")	11.5	11	38	42	42.16	40	40	30	53.5	112.5	28	108	103	70
40mm(1-1/2")	11.5	11	48	48	48.26	50	50	34	62	129	33	108	112	73.5
50mm(2")	11.5	11	60	60	60.33	63	63	44	75.5	148	39.5	138	126	81
65mm(2-1/2")	8	11	76	76	73	75	75	56	92.5	177.5	39.5	92.5	166	108.5
80mm(3")	8	11	89	89	88.9	90	85	71	107	209	48	192.5	181	116
100mm(4")	8	11	114	114	114.3	110	110	86	134.5	294	78	262	236	151.5
150mm(6")	/	/	/	/	168.8	160	/	130.4	185.4	407	102.7	301.9	299.5	181.2



ITEM NO:UCB03

COMPACT BALL VALVE M/M

Specification of material

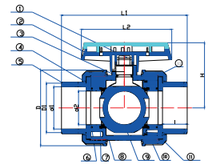
NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Handle	ABS	1	4	O-Ring	NBR	1
2	Stem	PVC-U	1	5	O-Ring	HDPE	2
3	Seal Seat	PE	1	6	Body	PVC-U	1

COMPACT BALL VALVE M/M

Dimensions

Nom Size	Rc	d1	d	L	l	W	H1	H2
15mm(1/2")	1/2"	14	12	70	17	71	60	45
20mm(3/4")	3/4"	18	16	75	17	71	67	47

PLASTIC VALVES AND FITTINGS



ITEM NO:UTB01
- END CONNECTOR:THREAD,SOCKET
- WORKING PRESSURE:150PSI

TRUE UNION BALL VALVE

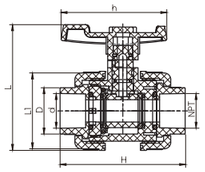
Specification of material

NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Stem	PVC,CPVC,PP	1	7	O-Ring	EPDM,FPM(NBR)	2
2	Handle	ABS	1	8	Body	PVC,CPVC,PP	1
3	Stem O-Ring	EPDM,FPM(NBR)	2	9	Ball	PVC,CPVC,PP	1
4	Union Nut	PVC,CPVC,PP	2	10	Seat Seal	PTFE	2
5	End Connector	PVC,CPVC,PP	2	11	Seat Carrier	PVC,CPVC,PP	1
6	Body O-Ring	EPDM,FPM(NBR)	2	12	Carrier O-Ring	EPDM,FPM(NBR)	1

TRUE UNION BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D1	D	l	L1	L2	H
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.2	20.6	112.5	65	50.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.6	65.5	24.6	130.2	75	58.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	28	142.5	85	65.7
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	52	86.6	31	161	97	76.5
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	59.5	102	31.5	166.5	110	86
50mm(2")	11.5	11	60	60	60.33	63	50	75	120	40	214	133.5	101.5
65mm(2-1/2")	8	11	76	76	73.03	75	60	87.5	135	40	228	161	112.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	269	200	160.5
100mm(4")	8	11	114	114	114.3	110	99	132	216	56	309	240	173.5



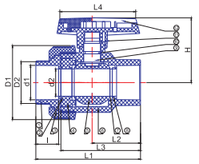
ITEM NO: UTB04

II PVC TRUE UNION BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	D	d	L	L1	H	h
15mm(1/2")	14	14	22	22	21.34	20	29	21.7	78.8	47.5	78.6	66.2
20mm(3/4")	14	14	26	26	26.67	25	35	27.2	88.8	58.1	88.4	76.2
25mm(1")	11.5	11	32	34	33.4	32	42.9	32.4	100.6	65.5	101.6	86.8
32mm(1-1/4")	11.5	11	38	42	42.16	40	52	40.4	127.2	80	128.2	109.9
40mm(1-1/2")	11.5	11	48	48	48.26	50	62	48	136.1	91.1	142.2	136.1
50mm(2")	11.5	11	60	60	60.33	63	75.7	60.5	160.6	112.1	168.5	144.9
65mm(2-1/2")	8	11	76	76	73.03	75	87.7	75.5	200	135.6	217	181.7
80mm(3")	8	11	89	89	88.9	90	105.7	90.5	228.3	163	242	207.3
100mm(4")	8	11	114	114	114.3	110	75.7	60.5	160.6	112.1	168.5	144.9

PLASTIC VALVES AND FITTINGS



ITEM NO:USU01
- END CONNECTOR:THREAD,SOCKET
- WORKING PRESSURE:150PSI

SINGLE UNION BALL VALVE

Specification of material

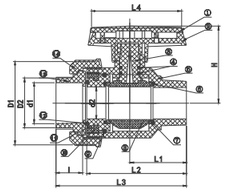
NO.	PART	MATERIAL	QTY
1	End Connector	PVC,CPVC,PP	1
2	Carrier O-Ring	EPDM,FPM(NBR)	1
3	Union Nut	PVC,CPVC,PP	1
4	Seal Carrier	PVC,CPVC,PP	1
5	Ball	PVC,CPVC,PP	1
6	Body	PVC,CPVC,PP	1

NO.	PART	MATERIAL	QTY
7	Seat Seal	PTFE	2
8	O-Ring	EPDM,FPM(NBR)	2
9	Stem	PVC,CPVC,PP	1
10	Stem O-Ring	EPDM,FPM(NBR)	2
11	Handle	ABS	1

SINGLE UNION BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L1	L2	L3	L4	H
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.3	20.6	95.8	25.3	67.3	65	49.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.2	65.5	25	111.4	32.4	78.3	74.9	56.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	27.9	121.5	49.5	85.9	85	65
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	49	86.6	27	130	57	99	97.1	76.5
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	60.8	102	34.5	157.5	69	113.5	109.7	86.5
50mm(2")	11.5	11	60	60	60.33	63	50	74.5	120	40	190	81	136.5	190	102
65mm(2-1/2")	8	11	76	76	73.03	75	60	89	135	40	210	95.9	156	161	113.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	254.6	120.9	196.5	199.4	161.5
100mm(4")	8	11	114	114	114.3	110	99	132	215.5	56	294	140.7	225	240	174



ITEM NO:USU04
- END CONNECTOR:THREAD,SOCKET
- WORKING PRESSURE:150PSI

MALE SINGLE UNION BALL VALVE

Specification of material

NO.	PART	MATERIAL	QTY
1	Cover	PVC-U	1
2	Handle	ABS	1
3	Stem	PVC-U	1
4	Stem O-Ring	EPDM	2
5	Body	PVC-U	1
6	O-Ring	EPDM	2
7	Seat Seal	PTFE	7

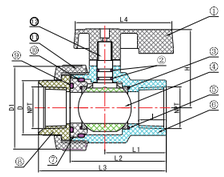
NO.	PART	MATERIAL	QTY
8	Ball	PVC-U	1
9	O-Ring	EODM	1
10	Seal	PVC-U	1
11	Seal Carrier	PVC-U	1
12	O-Ring	EPDM	1
13	End Connector	PVC-U	1
14	Union Nut	PVC-U	1

MALE SINGLE UNION BALL VALVE

Dimensions

Nom Size	D1	D2	d1	d2	L1	L2	L3	L4	H	I
15mm(1/2")	47.8	26.4	20.3	14	40	67	88.5	59.2	49.8	17
20mm(3/4")	58.8	31.3	25.3	19	43	78	101.5	68.3	57.3	20
25mm(1")	68	38	32.4	32	50	86	112	78.3	64.4	23.4
32mm(1-1/4")	82.4	49	40.4	32.5	56.4	99.3	129.7	89.5	76	26.6
40mm(1-1/2")	94.6	59.5	50.4	40	68.2	115	151.8	101.3	86.6	31.5
50mm(2")	113	73.9	63.4	49.7	78	134	179	124.4	101	38.5
65mm(2-1/2")	128	87.8	67	59.5	90	151.8	203.8	149.9	113.1	44
80mm(3")	181	107.4	90.4	80	120.9	196	254.7	191.6	160	52
100mm(4")	204	132.2	106.5	96	139.5	224.5	295.8	191.6	230.3	62

PLASTIC VALVES AND FITTINGS



ITEM NO:USU03

SINGLE UNION BALL VALVE III

Specification of material

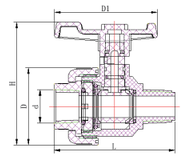
NO.	PART	MATERIAL	QTY
1	Handle	PVC-U	1
2	Stem O-Ring	NBR	2
3	Seat Seal	PTFE	2
4	Ball	PVC-U	1
5	O-Ring	NBR	1
6	Body	PVC-U	1

NO.	PART	MATERIAL	QTY
7	Seat Carrier	PVC-U	1
8	End Connector	PVC-U	1
9	Seat Carrier Flat O-Ring	NBR	1
10	Seat Carrier O-Ring	NBR	1
11	Union nut	PVC-U	1
12	Stem	PVC-U	1

SINGLE UNION BALL VALVE III

Dimensions

Nom Size	D1	D	NPT	NBR	I	L1	L2	L3	L4	H
15mm(1/2")	49	29	1/2"	20	18	38	58	80	57	50
20mm(3/4")	60	35	3/4"	25	18	41.9	66	88	64	49.7
25mm(1")	66	43.2	1"	32	22	49	76.7	101.9	77.2	62.3
32mm(1-1/4")	81	51	1-1/4"	40	29	59	93	125	91	75
40mm(1-1/2")	94	60	1-1/2"	50	31.5	63.2	99.2	133.2	100	81.5
50mm(2")	111	74	2"	63	38	82.4	124.7	165.7	117.6	92.4
80mm(3")	178	107.5	3"	85	56	108.4	172	229.3	173	138.6
100mm(4")	210	131	4"	110	66.2	135	212.4	281.1	224	151.65



ITEM NO:USU06

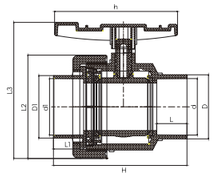
MALE SINGLE UNION BALL VALVE M/F TYPE II

Dimensions

Nom Size	D	d	D1	L	H
20	49.5	21.2	66.1	77.8	78.7
25	59.1	27.1	76.1	88.2	88.8
32	68	32.3	86.8	101.3	100.5
40	83.2	40.3	109.8	120.7	127.2
50	94	48	118.1	135	136.1
63	115.2	60.5	144.9	164	160.6
75	130	75.4	176.7	194.6	184.8
90	168	90.4	208	225.8	228.3
110	210	115.7	249.7	271.3	276.6

PLASTIC VALVES AND FITTINGS

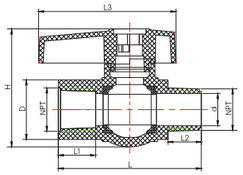
CE



ITEM NO: USU05

II SINGLE UNION BALL VALVE

Nom Size	d	D	d1	D1	L	L1	L2	L3	h	H
1/2"	21.7	29	21.22	29	18	16	49.5	78.75	66.2	73.2
3/4"	27.2	35	27.2	35	19	16.9	59.1	88.8	76.2	83.2
1"	34.4	42.9	32.4	42.9	23	22	68	100.6	86.9	96.3
1-1/4"	42.6	52	40.4	52	26.5	26	83.2	127.2	109.9	120.8
1-1/2"	50.5	60.9	48	62	31.5	31	94	136.2	118.2	135
2"	60.8	75.7	60.5	75.7	38	37.5	115.2	160.6	145	164
2-1/2"	73.4	85.6	75.5	87.7	46.8	45	130	184.9	176.8	194.6
3"	89.3	104.5	90.5	104.7	51.5	51.4	168	228.4	208	225.8
4"	114.8	130.2	115.76	127	61.5	61.3	210	276.6	249.8	271.3



ITEM NO:UCTB04

COMPACT BALL VALVE M/F

Specification of material

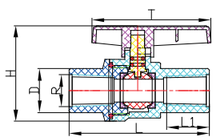
NO.	PART	MATERIAL	QTY
1	Handle	PVC	1
2	Nail	304	1
3	Ball	PP	1

NO.	PART	MATERIAL	QTY
4	Stem O-Ring	EPDM	1
5	Body	PVC	1
6	Seal Seat	TPE	2

COMPACT BALL VALVE M/F

Dimensions

Nom Size	d	D	L	L1	L2	L3	H	NPT
1/2"	15.6	28.8	69	18	16.1	66.3	57	1/2"
3/4"	21	34.5	80	20	18	79.7	67.6	3/4"
1"	26.8	42.1	93.3	25.3	23	89.7	79.3	1"
1-1/4"	33.5	52.1	107	27	25.5	101.4	91.7	1-1/4"
2-1/2"	39.5	59.5	123.7	30	28	117.7	101.8	1-1/2"
2"	50	72.3	151	35	30	135.1	122.64	2"



ITEM NO:UCB05

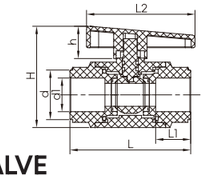
TWO PCSES BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	L	L1	D	R	H	T
15mm(1/2")	14	14	22	22	21.34	20	93	28	30	1/2"	63.7	79
20mm(3/4")	14	14	26	26	26.67	25	95.6	25	33.2	3/4"	68.5	79
25mm(1")	11.5	11	32	34	33.4	32	114.4	28	41	1"	81	85
32mm(1-1/4")	11.5	11	38	42	42.16	40	127.6	31	51.5	1-1/4"	93.6	92
40mm(1-1/2")	11.5	11	48	48	48.26	50	139.5	35	58	1-1/2"	106.3	103
50mm(2")	11.5	11	60	60	60.33	63	162	42	74.5	2"	125.06	118

CE

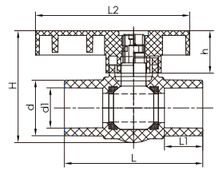
PLASTIC VALVES AND FITTINGS



ITEM NO: UCB07

PVC THREE PCS BALL VALVE

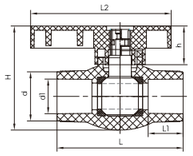
Nom Size	d	d1	L	L1	L2	H	h
1/2"	32	21.7	77.9	22.6	70	65.3	20.8
3/4"	36	26.9	106.2	31.2	80	76	24.2
1"	43	33.6	116.5	35	90	83.4	23.9
1-1/4"	53	40.4	127	35	100.2	101.4	29.2
1-1/2"	61.7	50.41	132.4	35.5	130.3	119.5	33.8
2"	74.7	63.4	147.8	37.8	130.3	135.9	33.8



ITEM NO: UCB04

PVC OCTAGONAL COMPACT BALL VALVES

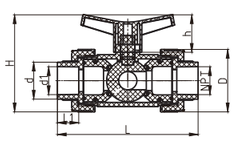
Nom Size	d	d1	L	L1	L2	H	h
1/2"	29.7	21.5	74	20.5	82.5	59.8	22.7
3/4"	36.2	26.9	78	21	89.5	71.6	27.1
1"	42.4	33.7	88	22	102.9	82.9	28.5
1-1/4"	53	42.5	105	26	123	97.6	30.9
1-1/2"	60	48.6	124	32	148	108	32.5
2"	74	60.5	143	37	148	129.8	40



ITEM NO: UCB02

LUXURY COMPACT BALL VALVE

Nom Size	d	d1	L	L1	L2	H	h
1/2"	28.8	20.3	74	20.5	82.5	61.1	22.7
3/4"	35	25.3	78	21	89.5	72	27.1
1"	42.5	33.6	88	22	102.9	92.2	28.5
1-1/4"	53	40	105	26	123	97.3	30.9
1-1/2"	61	50	124	32	148	109.1	32.5
2"	74	63.5	143	37	148	130.8	40



ITEM NO: UTV01

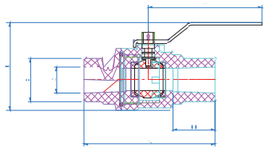
3-WAYS BALL VALVE (T port)

Dimensions

Nom Size	d	d1	D	L	L1	H	h	NPT
25	33.6	25.3	56.7	127.8	19.4	88.2	34	3/4"
32	41.5	32.4	67	146.8	22	102.8	37.31	1"
40	51.8	40.4	80.8	172	26.2	114.8	38.6	1-1/4"
50	62.7	50.5	102.4	208	32.4	148.4	49.2	1-1/2"

PLASTIC VALVES AND FITTINGS

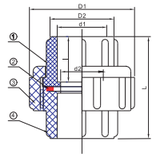
CE



ITEM NO:UCB06

TWO PCS BALL VALVE WITH STAINELSS STEEL HANDLE

Nom Size	L	L1	T	R	D	H
20	87	28	75.8	1/2"	29	58.27
25	93.6	27.98	80.8	3/4"	33.2	63.67
32	108.4	31	83.2	1"	41	74.97
40	120.5	35	96.4	1-1/4"	51.5	90.8
50	137	39	111.4	1-1/2"	58	102
63	162	46	123	2"	74.5	118.85
75	197	52.5	139.5	2-1/2"	91.5	145.62
90	247.5	73.5	190.72	3"	104.75	166.25
110	282.39	74	208.78	4"	133.97	199.25



ITEM NO:UU001
- END CONNECTOR:THREAD SOCKET
- WORKING PRESSURE:150 PSI

UNION

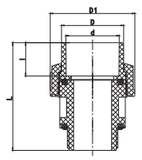
Specification of material

NO.	PART	MATERIAL	QTY
1	End Connector	PVC,CPVC	1
2	O-Ring	EPDM,FPM(NBR)	1
3	Union Nut	PVC,CPVC	1
4	Body	PVC,CPVC	1

UNION

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L
15mm(1/2")	14	14	22	22	21.34	20	14	29.20	50.6	20.5	48
20mm(3/4")	14	14	26	26	26.67	25	19	34.5	56.7	22	53.6
25mm(1")	11.5	11	32	34	33.4	32	24	42.6	66.5	28	63
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	52	81	30	72.6
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	59	86.8	34.5	85
50mm(2")	11.5	11	60	60	60.33	63	45	72.1	105.8	40	103
65mm(2-1/2")	8	11	76	76	73.03	75	60	90	129	40	109
80mm(3")	8	11	89	89	88.9	90	80	103.5	145.5	48	125.5
100mm(4")	8	11	114	114	114.3	110	100	132.5	175	60	160
150mm(6")	/	/	/	/	165.2	157.3	153.5	189.8	241.5	76.7	187.4



ITEM NO:UU002

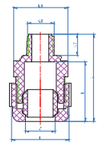
MALE UNION

Dimensions

Nom Size	D	D1	d	L	I
20mm	29.5	43	20.3	63.3	17
25mm	37	53	25.3	72.3	14
32mm	43	57	32.4	75.1	23
40mm	55	72	40.4	93.1	33
50mm	58.8	80.1	50.4	102	31.5
50mm×2"	58.8	80.1	50.4	31.5	31.5
63mm	73.7	99.5	63.4	113.5	38

CE

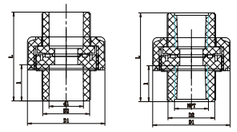
PLASTIC VALVES AND FITTINGS



ITEM NO:UCC04

ADAPTER,MALE X COMPRESSION

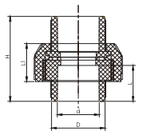
Nom Size	D	d	D1	d1	L	L1	L2
1/2"	44	23	41.8	20.69	67.32	46.32	16.5
3/4"	50.4	28.8	45.26	26.01	69.39	47.09	17
1"	56.7	34.4	50	32.59	77.11	52.11	20.5
1-1/4"	68	43.8	60	41.32	81.13	53.83	22
1-1/2"	75	50.5	68	47.38	85.48	57.98	22.5
2"	89	61.3	87.13	59.4	91.98	61.48	22.5



ITEM NO:U8U001

PVC SCH80 UNION

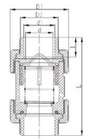
Nom Size	d1	D2	D1	I	L	NPT
1/2"	21.5	29.3	48.5	22.7	55.6	1/2"
3/4"	26.9	35.1	59	25.9	61.2	3/4"
1"	33.7	43.1	67.4	29.1	68	1"
1-1/4"	42.4	52.4	78.2	32.3	75.8	1-1/4"
1-1/2"	48.6	59	92.8	35.4	82.5	1-1/2"
2"	60.6	72	113.4	38.6	90.5	2"



ITEM NO:US4U001

PVC SCH40 UNION

Nom Size	d	D	L	L1	H
1/2"	21.54	27.54	18.5	19.5	43.7
3/4"	26.87	33.47	19.5	20	46.2
1"	33.65	40.8	23.5	20.8	54.7
1-1/4"	42.5	50.1	25	23.1	58
1-1/2"	48.55	56.56	29	23.2	68.9
2"	60.63	69	30.5	27.4	71.4



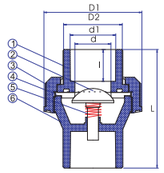
ITEM NO:UTS01

TRUE UNION SPRING CHECK VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	d	JIS d1	BS d1	ANSI d1	DIN d1	D1	D2	I	L
15mm(1/2")	14	14	16.8	22	22	21.34	20	48	27.4	17	87.2
20mm(3/4")	14	14	22	26	26	26.67	25	68	36.2	19.7	114.53
25mm(1")	11.5	11	26.5	32	34	33.4	32	68	42	23	129.5
32mm(1-1/4")	11.5	11	37.1	38	42	42.16	40	95	52.6	27	151.1
40mm(1-1/2")	11.5	11	44.6	48	48	48.26	50	92.8	61.4	32	160.3
50mm(2")	11.5	11	54.8	60	60	60.33	63	114.8	77.6	38	193.2
65mm(2-1/2")	8	11	65	76	76	73	75	148	89.4	45	231.4
80mm(3")	8	11	80	89	89	88.9	90	179	108.5	58	270
100mm(4")	8	11	80	114	114	114.3	110	179	132.5	63.5	281.8

PLASTIC VALVES AND FITTINGS



ITEM NO:USU02

- SPECIFICATION:Schedule 40

SINGLE UNION SPRING CHECK VALVE

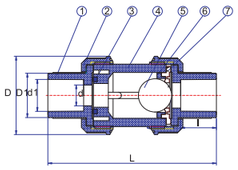
Specification of material

NO.	PART	MATERIAL	QTY
1	Union Connector	PVC	1
2	Gate	PVC	1
3	Union Nut	PVC	1
4	Space Seal	EPDM,FPM(NBR)	1
5	Spring	STAINLESS STEEL	1
6	Body	PVC	1

SINGLE UNION SPRING CHECK VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D2	D1	l	L
15mm(1/2")	14	14	22	22	21.34	20	16	27.5	51.3	20.5	80
20mm(3/4")	14	14	26	26	26.67	25	19	35.5	65.5	22	86.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.5	73.7	28.0	96
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	30.2	105
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34.7	115.5
50mm(2")	11.5	11	60	60	60.33	63	49.8	75	119.8	40	141



ITEM NO:UBC02

BALL CHECK VALVE

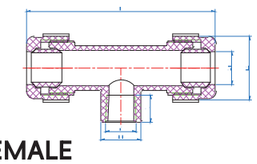
Specification of material

NO.	PART	MATERIAL	QTY
1	End Connector	PVC	2
2	Union Nut	PVC	2
3	Stem O-Ring	EPDM,FPM(NBR)	1
4	Body	PVC	1
5	Ball	PVC	1
6	Gland	PVC	1
7	Seat	EPDM,FPM(NBR)	1

BALL CHECK VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D1	D	l	L
15mm(1/2")	14	14	22	22	21.34	20	15	27.5	51.3	20.5	105
20mm(3/4")	14	14	26	26	26.67	25	19.5	35.0	65.5	25	116.5
25mm(1")	11.5	11	32	34	33.4	32	25	41.6	73.7	28	130.5
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	29.5	148.5
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34	168.5
50mm(2")	11.5	11	60	60	60.33	63	50	75	119.8	40	189

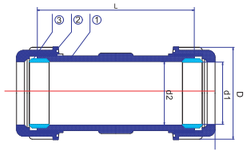


ITEM NO:UCC05

TEE, COMPRESSION X FEMALE

Nom Size	D	d	D1	L	L1	L2
1/2"	132.11	1/2"	28.3	19	23	44
3/4"	138.86	3/4"	34	20	28.8	50.4
1"	150.55	1"	40.6	23	34.4	56.7
1-1/4"	160.72	1-1/4"	50	25	43.8	68
1-1/2"	174.61	1-1/2"	56.5	21.5	50.5	75
2"	191.88	2"	69.5	31.5	61.3	89
3/4"×1/2"	138.86	1/2"	28.3	19	28.8	50.4

PLASTIC VALVES AND FITTINGS



ITEM NO:UCC01

- SPECIFICATION:ASTM D2846 STANDARD
- WORKING PRESSURE:150PSI

COMPRESSION COUPLING

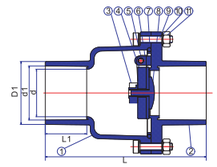
Specification of material

NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Union Nut	PVC	2
3	Seat	EPDM,FPM(NBR)	2

COMPRESSION COUPLING

Dimensions

Nom Size	JIS d1	BS d1	ANSI d1	DIN d1	d2	D	L
15mm(1/2")	22	22	21.34	20	23	45.5	110.1
20mm(3/4")	26	26	26.67	25	28	53	110.1
25mm(1")	34	32	33.4	32	36	62.2	120.1
32mm(1-1/4")	42	38	42.16	40	44	69.6	129.2
40mm(1-1/2")	48	48	48.26	50	52	81	136.6
50mm(2")	60	60	60.33	63	64.5	94	159
65mm(2-1/2")	76	76	73.03	75	78	111.5	191.7
80mm(3")	89	89	88.9	90	92.7	127	221.7
100mm(4")	114	114	114.3	110	117.2	156.7	251.7
160mm(6")	/	/	170	/	175	224	293



ITEM NO:USV01

SWING CHECK VALVE

Specification of material

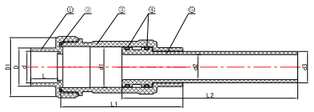
NO.	PART	MATERIAL	QTY
1	Exit Body	PVC	1
2	Entrance Body	PVC	1
3	Gate Nut	PVC	1
4	Disk	PVC	1
5	Pin	SUS304	1
6	Sheet Gasket	EPDM,FPM(NBR)	1
7	O-Ring	EPDM,FPM(NBR)	1
8	Sheet Gasket Holder	PVC	1
9	Bolt	SUS304	see table
10	Washer	SUS304	see table
11	Nut	SUS304	see table

SWING CHECK VALVE

Dimensions

Nom Size	JIS d1	BS d1	ANSI d1	DIN d1	d	D1	L1	L	N-Øe
65mm(2-1/2")	76	76	73.03	75	68.3	89	58.0	226.2	8
80mm(3")	89	89	88.9	90	83	103.6	73.0	264.4	8
100mm(4")	114	114	114.3	110	101	131.6	90.0	358	8
150mm(6")	165.0	166	168.3	160	147	182	113.0	422.4	12
200mm(8")	/	/	/	/	/	182	119.5	424.2	13

PLASTIC VALVES AND FITTINGS



ITEM NO:UCC03

EXPANSION COUPLING

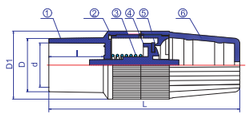
Specification of material

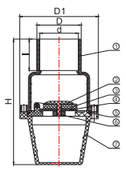
NO.	PART	MATERIAL	QTY
1	Union Nut	PVC-U	1
2	Union Nut Seal	NBR	1
3	Body	PVC-U	1
4	Core Seal	NBR	2
5	Core	PVC-U	1

EXPANSION COUPLING

Dimensions

Nom Size	D1	D	d	d1	d2	d3	L	L1	L2
15mm(1/2")	45	27.6	21.34	27.9	16.5	21.4	23.3	95	135
20mm(3/4")	51.4	33.2	26.67	33.6	21.1	26.7	25.3	110.7	159
25mm(1")	63	40.8	33.4	43.2	26.7	33.4	28.4	130.5	187.7
32mm(1-1/4")	73.2	50	42.16	51.3	34.8	42.2	31.5	149	209.5
40mm(1-1/2")	79.8	56.6	48.26	57.6	42.2	48.3	33.3	170	233.5
50mm(2")	92	69	60.33	70.3	52.2	60.3	34.8	181	244.5
2-1/2"	105	85.5	73.4	79.8	62.3	73	46	108.38	270
3"	123.8	103	89.28	98	76.6	88.9	48.8	103.2	289.3
4"	154	129	114.68	121.6	101.1	114.3	55	107.98	316





ITEM NO:UFV01
- END CONNECTOR:THREAD,SOCKET
- MATERIAL:PVC

FOOT VALVE

Specification of material

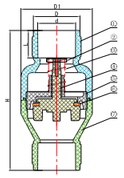
NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Connector	EPDM,FPM(NBR)	1
3	Spring	STAINLESS STEEL	1
4	Gate	PVC	1
5	Seal	EPDM,FPM(NBR)	1
6	Body	PVC	1

FOOT VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d	BS d	ANSI d	DIN d	D	D1	I	L
15mm(1/2")	14	14	22	22	21.34	20	31.0	43.7	31.0	137
20mm(3/4")	14	14	26	26	26.67	25	35.5	43.7	32.5	141.0
25mm(1")	11.5	11	32	34	33.4	32	41.9	43.7	32.8	141.0
32mm(1-1/4")	11.5	11	38	42	42.16	40	51.0	78	35.0	195.3
40mm(1-1/2")	11.5	11	48	48	48.26	50	60.3	78	56.2	217.4
50mm(2")	11.5	11	60	60	60.33	63	72.5	78	57.0	217.4
75mm(2-1/2")	8	11	76	76	73.03	75	90	171.6	73.5	293.4
90mm(3")	8	11	89	89	88.9	90	76.4	183.8	58.2	252
110mm(4")	8	11	114	114	114.3	110	115	216	91	360
125mm	/	/	/	/	/	125.6	142.4	232.6	95	386.47
140mm	/	/	/	/	/	140.6	159	246.5	105	430
160mm(6")	8	11	165	168.3	168.3	160	161	291	120	500

PLASTIC VALVES AND FITTINGS



ITEM NO:UCV01

SPRING CHECK VALVE II

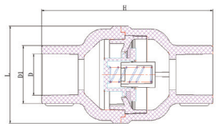
Specification of material

NO.	PART	MATERIAL	QTY
1	Exit body	PVC-U	1
2	Stainless Plug	STAINLESS STELL	1
3	Spring	STAINLESS STELL	1
4	Core	PVC-U	1
5	Core frame	PVC-U	1
6	O-Ring	NBR	1
7	Entrance body	PVC-U	1

SPRING CHECK VALVE II

Dimensions

Nom Size	D1	D	BS (d)	ANSI (d)	DIN(d)	L	H
15mm(1/2")	45.2	30.5	22	21.34	20	23	103
20mm(3/4")	45.2	35.5	26	26.67	25	27	113.6
25mm(1")	57.5	43	34	33.4	32	28	142
32mm(1-1/4")	79.6	52	42	42.16	40	30.6	156
40mm(1-1/2")	79.8	60.2	48	48.26	50	36	167.4
50mm(2")	103.6	72	60	60.33	63	40.6	194.8

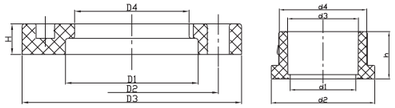


ITEM NO:UCV02

IN-LINE CHECK VALVE TYPE II

Nom Size	D	D1	L	H
1/2"	21.8	30.5	51.2	90.5
3/4"	26.9	35.5	51.2	91
1"	33.7	53	59.5	107.8
1-1/4"	42.5	52	81.2	131.4
1-1/2"	48.6	60	81.2	139.4
2"	60.7	72	105.4	161

PLASTIC VALVES AND FITTINGS

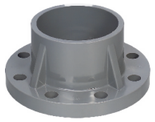


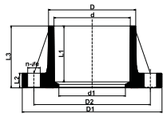
ITEM NO:UVF01
- MSTERIAL : PVC

VAN STONE FLANGE

Dimensions

Nom Size	d1	d2	d3	d4	h	D1	D2	D3	D4	H
2"	51	91.8	60.33	74.6	43.5	92.5	120	152.4	77.6	20.5
2-1/2"	68	107.2	73.03	90.6	49	107.6	140	177.6	92.6	24.8
3"	77.2	119.9	88.9	107	54.9	121.6	152.8	191.4	109.4	26.4
4"	102.4	152.5	114.3	131.8	64.8	153	191	229.7	134	28.5
6"	156	206	168.3	189.2	85	207.5	241	284	192.5	32
8"	204.2	260	219.08	237	119	261	296	342.2	239	36.2
10"	266.3	338	273.05	305.9	135	308	362	407	/	34.5
12"	316.4	394	323.85	361.5	162	363.5	432	484	/	36.5
125mm	126.6	142.4	125	168.4	74	250	145.55	/	/	22
140mm	132	140.6	140	/	81	181	159	251	/	25.5
225mm	200	274	225	247.5	118	126	250	294.5	339	32
250mm	242	327	250	282	133	140	284	350	399.7	34.5
315mm	299	377	315	345	165.5	174	347.5	402.5	450.8	36.5



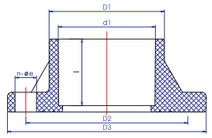


ITEM NO: UTF02

JIS FLANGE

Dimensions

Nom Size	D	d ANSI	d DIN	d JIS	d BS	D1	D2	d1	L1	L2	L3	n-Øe
3/4"	35.3	26.67	25	26	26	100	75	22	35	15	40	4-Ø15
1"	43	33.4	32	32	34	125	89	25	40	15	46	4-Ø19
1-1/4"	49	42.16	40	38	42	135	100	30	44	16	50.5	4-Ø19
1-1/2"	60.5	48.26	50	48	48	140	105	41	55	16	61.5	4-Ø19
2"	73.5	60.33	63	60	60	155	120	52	63	20	71	4-Ø19
2-1/2"	90.5	73.03	75	76	76	175	140	67	61	22	70	4-Ø19
3"	105.5	88.9	90	89	89	185	150	78	64	22	73	8-Ø19
1/2"×1/2"	131	114.3	110	114	114	210	175	100	83.5	22	95	8-Ø19



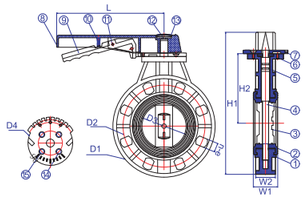
ITEM NO: UTF01
- 235PSI MAXIMUM INTERNAL PRESSURE RATING @73°C
- MATERIAL : PVC

TS FLANGE

Dimensions

Nom Size	D1	D2	D3	d1 DIN	d1 ANSI	d1 JIS	d1 BS	l	n-Øe
1/2"	30	60.5	89	20	21.34	22	22	22	4-16
3/4"	34	70.5	98	25	26.67	26	26	23.5	4-16
1"	42.5	79.5	108	32	33.4	32	34	25.5	4-16
1-1/4"	52	89.5	118	40	42.16	38	42	32	4-16
1-1/2"	61.5	98.5	127	50	48.26	48	48	32.5	4-19
2"	76	120.5	151.5	63	60.33	60	60	35.8	4-19
2-1/2"	89.5	139.5	177.3	75	73.03	76	76	41	4-19
3"	107.5	152.5	191	90	88.9	89	89	48.5	4-19
4"	130.5	190.5	228.5	110	114.3	114	114	58.5	8-19
5"	165	210	250	140	141.3	140	140.8	104	8-23
6"	188	240	280	160	168.3	165	168.3	132	8-23
8"	238	296	330	200	219.1	216	219.1	136	12-23
10"	/	/	/	/	/	/	/	/	/
125mm	141.6	216	255	/	/	/	/	69	8

PLASTIC VALVES AND FITTINGS



ITEM NO:UBV01
- END CONNECTOR:FLANGE
- WORKING PRESSURE:200PSI

BUTTERFLY VALVE

Specification of material

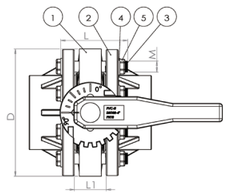
NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seat Seal	EPDM,FPM(NBR)	1
3	Gate	PVC	1
4	Stem	SUS410	1
5	O-Ring	EPDM,FPM(NBR)	2
6	Washer	ABS	1
7	Locking Plate	PVC	1
8	Large Handle	ABS	1

NO.	PART	MATERIAL	QTY
9	Small Handle	ABS	1
10	Spring	SUS304	1
11	Pin	SUS304	1
12	Bolt	SUS304	1
13	Handle Cap	ABS	1
14	Insered Bolt	SUS304	4
15	Bolt Cap	PVC	4

BUTTERFLY VALVE

Dimensions

Nom Size	D1	DIN D2	JIS D2	ANSI D2	D3	D4	L	H1	H2	W1	W2	DIN n-Øe	JIS n-Øe	ANSI n-Øe
50mm(2")	160.1	120	100	120.4	55.6	99.7	189.7	223.3	98.3	44	32	4-20	4-19	4-19
65mm(2-1/2")	179.8	141.2	140	139.5	68.7	99.7	189.0	247.0	111.6	48.3	32.4	4-18	4-19	4-19
80mm(3")	195.0	156.4	140	139.5	83.9	99.7	238.5	282.6	132.5	51.9	36.3	8-20	4-19	4-19
100mm(4")	228.1	183	150	152.4	103.2	99.7	239.5	319.4	155.4	54.5	44.1	8-20	8-19	8-19
125mm(5")	257	210.9	175	190.5	129.5	139	309.8	368	170.3	66.5	54.6	8-21.5	8-19	8-19
150mm(6")	285.4	238.5	240	241.5	151.1	140.0	309.8	400.8	187.5	73.1	56.4	8-24	8-23	8-22
200mm(8")	342.6	292.4	295	298.5	198.6	140.0	309.8	473.0	230.1	92.0	72.2	8-24	12-23	8-23



ITEM NO:UBV02
- END CONNECTOR:FLANGE
- WORKING PRESSURE:200PSI

BUTTERFLY VALVE WITH FLANGE

Specification of material

NO.	PART	QTY
1	Butterfly Valve	1
2	Flange	2
3	Bolt	
4	Washer	
5	Nut	

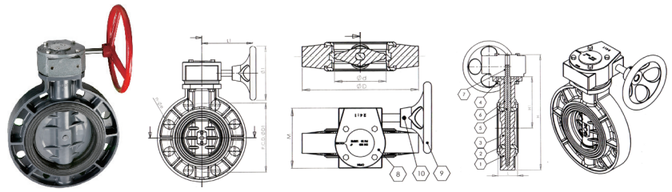
BUTTERFLY VALVE WITH FLANGE

Dimensions

VALVE SIZE DN-INCN	FLANGE	D	L1	BOLT QTY	BOLT M
50×2"	63	160	43	4	M16
65×2-1/2"	75	180	46	4	M16
80×3"	90	196	49	8	M16
100×4"	110	228	54	8	M16
125×5"	125,140	258	64	8	M16
150×6"	160	287	70	8	M20
200×8"	200,225	344	88	8	M20
150×10"	250,280	412	98	12	M20
300×12"	315	460	180	12	M20
350×14"	350	500	88	16	M20
400×16"	400	565	96	16	M24

PLASTIC VALVES AND FITTINGS

CE



ITEM NO:UBV03
- WORKING PRESSURE:200PSI

BUTTERFLY VALVE GEAR TYPE

Specification of material

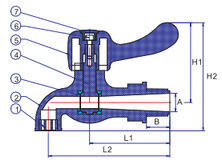
NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC/CPVC/PP	1	6	O-Ring	EPDM/FPM	2
2	Seat Seal	EPDM/FPM	1	7	Key	STEEL	1
3	Disc	PVC/CPVC/PP	1	8	Gear Box	IRON	1
4	Bolt	304	1	9	Hand Wheel	IRON	1
5	Stem	STEEL,/304/316	1	10	Pin	STEEL	1

BUTTERFLY VALVE GEAR TYPE

Dimensions

SIZE	"	4"	5"	6"	8"	10"	12"	14"	16"
	DN	100	125	150	200	250	300	350	400
ØD		228	258	287	344	412	460	500	565
P.C.D ØD1	DIN	180	210	240	295	350	400	460	515
	ANSI	191	216	241	298	362	432	476	540
	JIS	175	210	240	290	355	400	445	510
Ød1		98	122	146	199	255	302	345	395
L		54	64	70	88	98	108	88	98
Ø1		145	280	280	280	280	280	380	380
L1		120	200	200	200	220	220	280	280
H1		140	168	181	215	260	280	410	490
H		340	385	417	487	551	595	670	770
M		120	180	180	180	180	180	250	250
N		90	100	100	100	130	130	220	220
N-Øe	DIN	8-Ø19	8-Ø19	8-Ø23	8-Ø23	12-Ø25	12-Ø25	16-Ø25	16-Ø27
	ANSI	8-Ø19	8-Ø19	8-Ø23	8-Ø23	12-Ø25	12-Ø25	12-Ø29	16-Ø29
	JIS	8-Ø19	8-Ø19	8-Ø23	8-Ø23	12-Ø25	12-Ø25	16-Ø25	16-Ø27
PN	PSI	150	150	150	150	100	100	60	60
	MPa	1	1	1	1	0.6	0.6	0.4	0.4
Weight	Kg/PC	7.2	1.8	1.9	22	25	29	45	55

CE



ITEM NO:UWF01
- END CONNECTOR:BSPT,NPT,THREAD
- MATERIAL:PVC

ONE WAY FAUCET

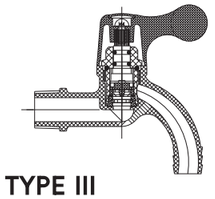
Specification of material

NO.	PART	MATERIAL	QTY
1	Nut	ABS	1
2	Body	PVC	1
3	Seat Seal	TPE	2
4	Ball	PVC	1
5	Handle	PVC	1
6	Union Nut	SS41	1
7	Handle Cap	ABS	1

ONE WAY FAUCET

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	A	B	L1	L2	H1	H2
15mm(1/2")	14	14	13.8	17.7	62.5	92.9	56	80
20mm(3/4")	14	14	13.8	17.7	63	92.9	55.6	81.5

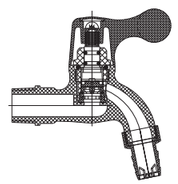


ITEM NO:UWF03

ONE WAY FAUCET TYPE III

Dimensions

Nom Size	A	B	L1	L2	H1	H2
15mm(1/2")	13.5	14	48.9	85.9	58.78	94.68

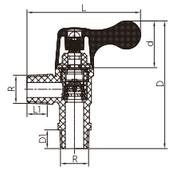


ITEM NO:UWF02

ONE WAY FAUCET TYPE III WITH NOZZLE

Dimensions

Nom Size	A	B	L1	L2	H1	H2
15mm (1/2")	13.5	14	48.9	83.59	58.75	102.47



ITEM NO: UWF06

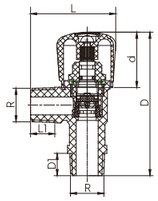
PVC ANGLE VALVE

Dimensions

Nom Size	d	D	D1	L	L1	R
1/2"	34	92.8	13.6	82.6	14.8	1/2

PLASTIC VALVES AND FITTINGS

CE

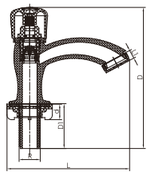


ITEM NO: UWF07

PVC ANGLE VALVE

Dimensions

Nom Size	d	D	D1	L	L1	R
1/2"	33.8	87.6	13.6	52	14.8	1/2

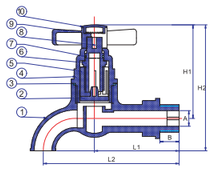


ITEM NO: UWF08

PVC FAUCET TAP

Dimensions

Nom Size	d	D	D1	L	L1	R
1/2"	15	136.6	43.4	118.8	8.4	1/2



ITEM NO:UBC01
- END CONNECTOR:BSPT,NPT,THREAD
- MATERIAL:PVC

BIBCOCK

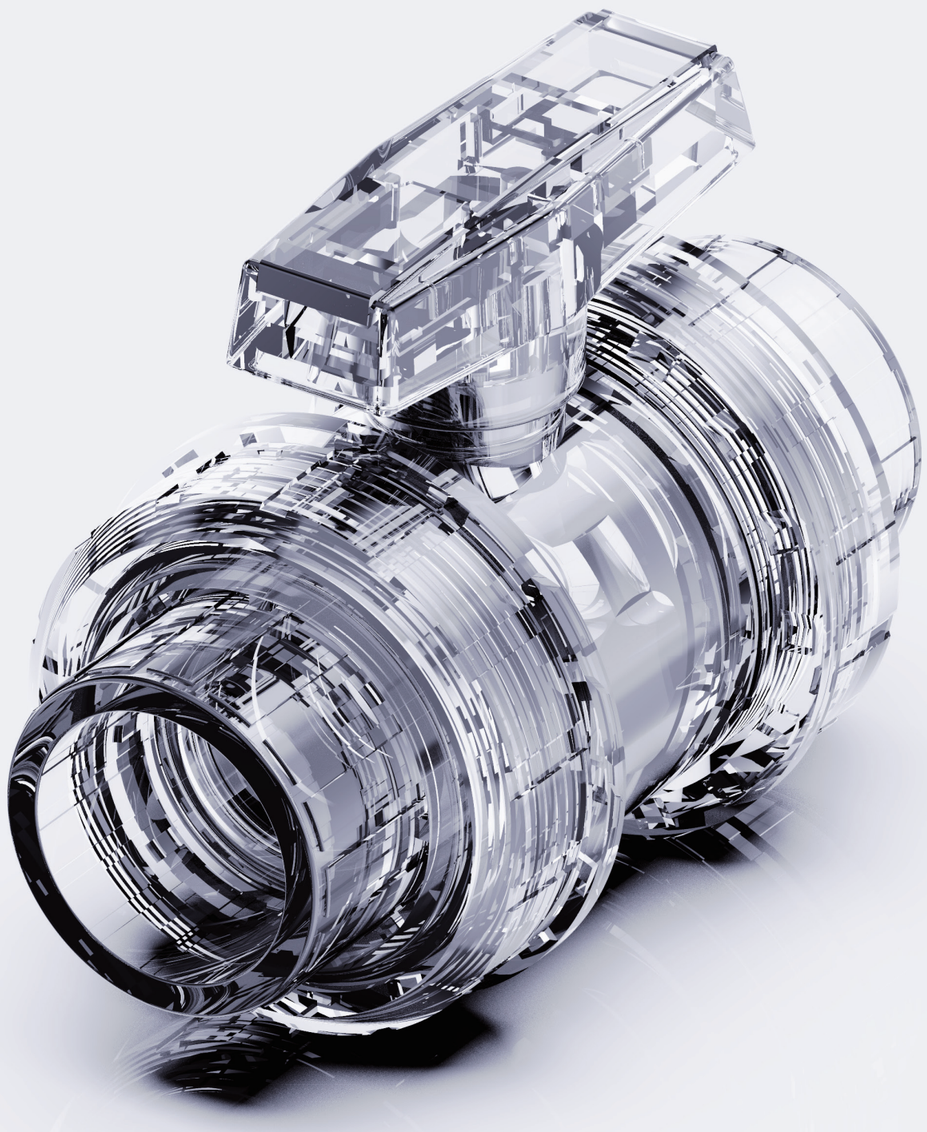
Specification of material

NO.	PART	MATERIAL	QTY
1	Body	PVC	1
2	Seal	TPE	1
3	O-Ring	EPDM,FPM(NBR)	1
4	Surcoat	PVC	1
5	Core Nut	ABS	1
6	Screw	ABS	1
7	Stem O-Ring	EPDM,FPM(NBR)	1
8	Bolt	SUS304	1
9	Handle	PVC	1
10	Handle Cap	PS	1

BIBCOCK

Dimensions

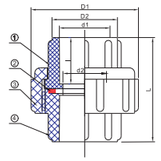
Nom Size	NPT Thd./in	BSPT Thd./in	A	B	L1	L2	H1	H2
15mm(1/2")	14	14	11.6	13.7	61.5	99.5	72.5	95
20mm(3/4")	14	14	11.6	13.7	62.5	99.5	72.5	95



CPVC VALVES

VALVE

PLASTIC VALVES AND FITTINGS



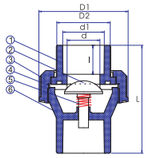
ITEM NO:CU001
- END CONNECTOR:THREAD,SOCKET
- WORKING PRESSURE:150PSI

UNION

NO.	PART	MATERIAL	QTY
1	End Connector	CPVC	1
2	O-Ring	EPDM	1
3	Union Nut	CPVC	1
4	Body	CPVC	1

UNION

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L
15mm(1/2")	14	14	22	22	21.34	20	14	29.2	50.6	20.5	48
20mm(3/4")	14	14	26	26	26.67	25	19	34.5	56.7	22	53.6
25mm(1")	11.5	11	32	34	33.4	32	24	42.6	66.5	28	63
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	52	81	30	72.6
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	59	86.8	34.5	85
50mm(2")	11.5	11	60	60	60.33	63	45	72.1	105.8	40	103
65mm(2-1/2")	8	11	76	76	73.03	75	60	90	129	40	109
80mm(3")	8	11	89	89	88.9	90	80	103.5	145.5	48	125.5
100mm(4")	8	11	114	114	114.3	110	100	132.5	175	60	160



Union Connector
Gate
Union Nut
Space Seal
Spring
Body

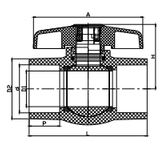
ITEM NO:CSU02

SINGLE UNION SPRING CHECK VALVE

NO.	PART	MATERIAL	QTY
1	Union Connector	CPVC	1
2	Gate	CPVC	1
3	Union Nut	CPVC	1
4	Space Seal	EPDM	1
5	Spring	STAINLESS STEEL	1
6	Body	CPVC	1

SINGLE UNION SPRING CHECK VALVE

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D2	D1	I	L
15mm(1/2")	14	14	22	22	21.34	20	16	27.5	51.3	20.5	80
20mm(3/4")	14	14	26	26	26.67	25	19	35.5	65.5	22	86.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.5	73.7	28.0	96
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	30.0	105
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34.7	115.5
50mm(2")	11.5	11	60	60	60.33	63	49.8	75	119.8	40	141



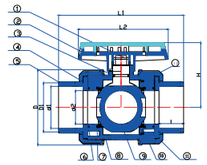
ITEM NO:CCV01

COMPACT BALL VALVE

Dimensions

Nom Size	d	D1	D2	P	L	H	A
15mm(1/2")	21.54	15	32.1	21.6	80	44.9	68.5
20mm(3/4")	26.9	20	38.5	25	93.3	52	80.5
25mm(1")	33.7	24	47	29	106.3	65	100
32mm(1-1/4")	42.4	30	54	32	121.3	70	108
40mm(1-1/2")	48.56	33.8	62	35.4	133.3	73.5	108
50mm(2")	60.5	45	75.7	38.6	149	81	138

PLASTIC VALVES AND FITTINGS



ITEM NO:CTB01
- END CONNECTOR:THREAD,SOCKET
- WORKING PRESSURE:150PSI

TRUE UNION BALL VALVE

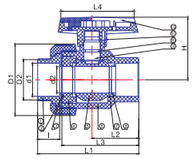
Specification of material

NO.	PART	MATERIAL	QTY
1	Stem	CPVC	1
2	Handle	ABS	1
3	Stem O-Ring	EPDM/FPM	2
4	Union Nut	CPVC	2
5	End Connector	CPVC	2
6	Body O-Ring	EPDM/FPM	2
7	O-Ring	EPDM/FPM	2
8	Body	CPVC	1
9	Ball	CPVC	1
10	Seat Seal	PTFE	2
11	Seat Carrier	CPVC	1
12	Carrier O-Ring	EPDM/FPM	1

TRUE UNION BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D1	D	I	L1	L2	
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.2	20.6	112.5	65	50.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.6	65.5	24.6	130.2	75	58.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	28	142.5	85	65.7
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	52	86.6	31	161	97	76.5
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	59.5	102	31.5	166.5	110	86
50mm(2")	11.5	11	60	60	60.33	63	50	75	120	40	214	133.5	101.5
65mm(2-1/2")	8	11	76	76	73.03	75	60	87.5	135	40	228	161	112.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	269	200	160.5
100mm(4")	8	11	114	114	114.3	110	99	132	216	56	309	240	173.5



ITEM NO:CSU01
- END CONNECTOR:THREAD,SOCKET
- WORKING PRESSURE:150PSI

SINGLE UNION BALL VALVE

Specification of material

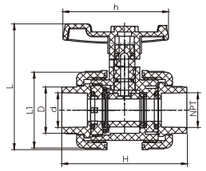
NO.	PART	MATERIAL	QTY
1	End Connecton	CPVC	1
2	Carrier O-Ring	EPDM	1
3	Union Nut	CPVC	1
4	Seal Carrier	CPVC	1
5	Ball	CPVC	1
6	Body	CPVC	1
7	Seat Seal	PTFE	2
8	O-Ring	EPDM	2
9	Stem	CPVC	1
10	Stem O-Ring	EPDM	2
11	Handle	ABS	1

SINGLE UNION BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L1	L2	L3	L4	
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.3	20.6	95.8	25.3	67.3	65	49.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.2	65.5	25	111.4	32.4	78.3	74.9	56.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	27.9	121.5	49.5	85.9	85	65
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	49	86.6	27	130	57	99	97.1	76.5
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	60.8	102	34.5	157.5	69	113.5	109.7	86.5
50mm(2")	11.5	11	60	60	60.33	63	50	74.5	120	40	190	81	136.5	190.0	102
65mm(2-1/2")	8	11	76	76	73.03	75	60	89	135	40	210	95.9	156	161	113.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	254.6	120.9	196.5	199.4	161.5
100mm(4")	8	11	114	114	114.3	110	99	132	215.5	56	294	140.7	225	240	174

PLASTIC VALVES AND FITTINGS



ITEM NO:CTB04
- END CONNECTOR:THREAD,SOCKET

CPVC TRUE UNION BALL VALVE

Specification of material

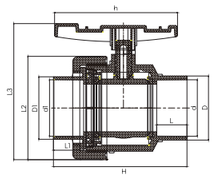
NO.	PART	MATERIAL	QTY
1	Stem	CPVC	1
2	Handle	ABS	1
3	Stem O-Ring	EPDM/FPM	2
4	Union Nut	CPVC	2
5	End Connector	CPVC	2
6	Body O-Ring	EPDM/FPM	2

NO.	PART	MATERIAL	QTY
7	O-Ring	EPDM/FPM	2
8	Body	CPVC	1
9	Ball	CPVC	1
10	Seat Seal	PTFE	2
11	Seat Carrier	CPVC	1
12	Carrier O-Ring	EPDM/FPM	1

CPVC TRUE UNION BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	D	d	L	L1	H	h
15mm(1/2")	14	14	22	22	21.34	20	29	21.7	78.8	47.5	78.6	66.2
20mm(3/4")	14	14	26	26	26.67	25	35	27.2	88.8	58.1	88.4	76.2
25mm(1")	11.5	11	32	34	33.4	32	42.9	32.4	100.6	65.5	101.6	86.8
32mm(1-1/4")	11.5	11	38	42	42.16	40	52	40.4	127.2	80	128.2	109.9
40mm(1-1/2")	11.5	11	48	48	48.26	50	62	48	136.1	91.1	142.2	136.1
50mm(2")	11.5	11	60	60	60.33	63	75.7	60.5	160.6	112.1	168.5	144.9
65mm(2-1/2")	8	11	76	76	73.03	75	87.7	75.5	200	135.6	217	181.7
80mm(3")	8	11	89	89	88.9	90	105.7	90.5	228.3	163	242	207.3
100mm(4")	8	11	114	114	114.3	110	75.7	60.5	160.6	112.1	168.5	144.9

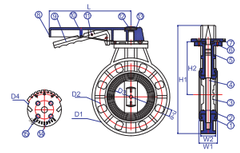


ITEM NO: CUSU05

II SINGLE UNION BALL VALVE

Nom Size	d	D	d1	D1	L	L1	L2	L3	h	H
1/2"	21.7	29	21.22	29	18	16	49.5	78.75	66.2	73.2
3/4"	27.2	35	27.2	35	19	16.9	59.1	88.8	76.2	83.2
1"	34.4	42.9	32.4	42.9	23	22	68	100.6	86.9	96.3
1-1/4"	42.6	52	40.4	52	26.5	26	83.2	127.2	109.9	120.8
1-1/2"	50.5	60.9	48	62	31.5	31	94	136.2	118.2	135
2"	60.8	75.7	60.5	75.7	38	37.5	115.2	160.6	145	164
2-1/2"	73.4	85.6	75.5	87.7	46.8	45	130	184.9	176.8	194.6
3"	89.3	104.5	90.5	104.7	51.5	51.4	168	228.4	208	225.8
4"	114.8	130.2	115.76	127	61.5	61.3	210	276.6	249.8	271.3

PLASTIC VALVES AND FITTINGS



ITEM NO.: CBV01
- END CONNECTOR:FLANGE
- WORKING PRESSURE:200PSI

BUTTERFLY VALVE

Specification of material

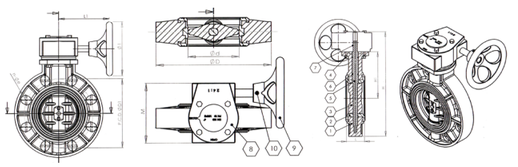
NO.	PART	MATERIAL	QTY
1	Body	CPVC	1
2	Seat Seal	EPDM/FPM/NBR	1
3	Gate	CPVC	1
4	Stem	SUS410	1
5	O-Ring	EPDM/FPM/NBR	2
6	Washer	ABS	1
7	Locking Plate	CPVC	1
8	Large Handle	ABS	1

NO.	PART	MATERIAL	QTY
9	Small Handle	ABS	1
10	Spring	SUS304	1
11	Pin	SUS304	1
12	Bolt	SUS304	1
13	Handle Cap	ABS	1
14	Insered Bolt	SUS304	4
15	Bolt Cap	CPVC	4

BUTTERFLY VALVE

Dimensions

Nom Size	D1	DIN D2	JIS D2	ANSI D2	D3	D4	L	H1	H2	W1	W2	DIN n-Øe	JIS n-Øe	ANSI n-Øe
50mm(2")	160.1	120	100	120.4	55.6	99.7	189.7	223.3	98.3	44	32	4-20	4-19	4-19
65mm(2-1/2")	179.8	141.2	140	139.5	68.7	99.7	189.0	247.0	111.6	48.3	32.4	4-18	4-19	4-19
80mm(3")	195.0	156.4	140	139.5	83.9	99.7	238.5	282.6	132.5	51.9	36.3	8-20	4-19	4-19
100mm(4")	228.1	183	150	152.4	103.2	99.7	239.5	319.4	155.4	54.5	44.1	8-20	8-19	8-19
125mm(5")	257	210.9	175	190.5	129.5	139	309.8	368	170.3	66.5	54.6	8-21.5	8-19	8-19
150mm(6")	285.4	238.5	240	241.5	151.1	140.0	309.8	400.8	187.5	73.1	56.4	8-24	8-23	8-22
200mm(8")	342.6	292.4	295	298.5	198.6	140.0	309.8	473.0	230.1	92.0	72.2	8-24	12-23	8-23



ITEM NO.: CBV03
- WORKING PRESSURE:200PSI

BUTTERFLY VALVE GEAR TYPE

Specification of material

NO.	PART	MATERIAL	QTY
1	Body	CPVC	1
2	Seat Seal	EPDM/FPM	1
3	Disc	CPVC	1
4	Bolt	SUS304	1
5	Stem		1

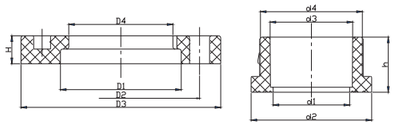
NO.	PART	MATERIAL	QTY
6	O-Ring	EPDM/FPM	2
7	Key	STEEL	1
8	Gear Box	IRON	1
9	Hand Wheel	IRON	1
10	Pin	STEEL	1

BUTTERFLY VALVE GEAR TYPE

Dimensions

Nom Size	D	DIN D1	ANSI D1	JIS D1	Ød1	Ø1	L1	H1	H	M	N	DIN N-Øe	JIS N-Øe	ANSI N-Øe
100mm(4")	228	180	191	175	98	145	120	140	340	120	90	8-Ø19	8-Ø19	8-Ø19
125mm(5")	258	210	216	210	122	280	200	168	385	180	100	8-Ø19	8-Ø19	8-Ø19
150mm(6")	287	240	241	240	146	280	200	181	417	180	100	8-Ø23	8-Ø23	8-Ø23
200mm(8")	344	295	298	290	199	280	200	215	487	180	100	8-Ø23	8-Ø23	8-Ø23
250mm(10")	412	350	362	355	255	280	220	260	551	180	130	12-Ø25	12-Ø25	12-Ø25
300mm(12")	460	400	432	400	302	280	220	280	595	180	130	12-Ø25	12-Ø25	12-Ø25
350mm(14")	500	460	486	445	345	380	280	410	670	250	220	16-Ø25	16-Ø29	16-Ø25
400mm(16")	565	515	540	510	395	380	280	490	770	250	220	16-Ø27	16-Ø29	16-Ø27

PLASTIC VALVES AND FITTINGS



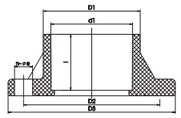
ITEM NO:CVF01

- MATERIAL:CPVC

VAN STONE FLANGE

Dimensions

Nom Size	d1	d2	d3	d4	h	D1	D2	D3	D4	H
2"	51	91.8	60.6	74.6	43.5	92.5	120	152.4	77.6	20.5
2-1/2"	68	107.2	73.4	90.6	49	107.6	140	177.6	92.6	24.8
3"	77.2	119.9	89.3	107	54.9	120.6	152.5	191.4	109.4	26.4
4"	102.4	152.5	114.8	131.8	64.8	153	191	229.7	134	28.5
6"	156	206	168.3	189.2	85	207.5	241	284	192.5	32
8"	204.2	260	219.08	237	119	261	296	342.2	239	36.2
10"	266.3	338	273.05	305.9	135	308	362	407	/	34.5



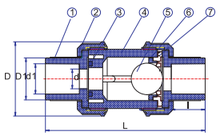
ITEM NO:CTF01

- 235PSI MAXIMUM INTERNAL PRESSURE RATING@73°F
- MATERIAL : CPVC

TS FLANGE

Dimensions

Nom Size	D1	D2	D3	d1 DIN	d1 ANSI	d1 JIS	d1 BS	l	n-Øe
1/2"	30	60.5	89	20	21.34	22	22	22	4-16
3/4"	34	70.5	98	25	26.67	26	26	23.5	4-16
1"	42.5	79.5	108	32	33.4	32	34	25.5	4-16
1-1/4"	52	89.5	118	40	42.16	38	42	32	4-16
1-1/2"	61.5	98.5	127	50	48.26	48	48	32.5	4-19
2"	76	120.5	151.5	63	60.33	60	60	35.8	4-19
2-1/2"	89.5	139.5	177.3	75	70.03	76	76	41	4-19
3"	107.5	152.5	191	90	88.9	89	89	48.5	4-19
4"	130.5	190.5	228.5	110	114.3	114	114	58.5	8-19
5"	165	210	250	140	141.3	140	140.8	104	8-23
6"	188	240	280	160	168.3	165	168.3	132	8-23
8"	238	296	330	200	219.1	216	219.1	136	12-23



ITEM NO:CBC02

BALL CHECK VALVE

Specification of material

NO.	PART	MATERIAL	QTY
1	End Connector	CPVC	2
2	Union Nut	CPVC	2
3	Stem O-Ring	EPDM	1
4	Body	CPVC	1
5	Ball	CPVC	1
6	Gland	CPVC	1
7	Seat	EPDM	1

BALL CHECK VALVE

Dimensions

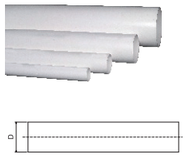
Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D1	D	l	L
15mm(1/2")	14	14	22	22	21.34	20	15	27.5	51.3	20.5	105
20mm(3/4")	14	14	26	26	26.67	25	19.5	35.0	65.5	25	116.5
25mm(1")	11.5	11	32	34	33.4	32	25	41.6	73.7	28	130.5
32mm(1-1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	29.5	148.5
40mm(1-1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34	168.5
50mm(2")	11.5	11	60	60	60.33	63	50	75	119.8	40	189
65(2"-1/2")	8	11	76	76	73	75	57.8	85.6	130	45	235.5
80(3")	8	11	89	89	88.9	90	77.7	104.5	168	51.4	256.4
100(4")	8	11	114	114	114.3	110	96.8	130.2	205	61.3	297

PVC PRESSURE PIPES & FITTINGS

(ISO1452 PN10)

PRESSURE

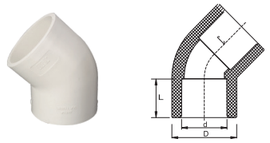
PVC PRESSURE PIPES & FITTINGS PN10 ISO1452



ITEM NO:US001

PRESSURE PIPES PN10

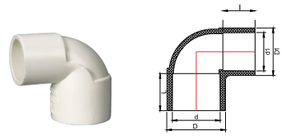
Nom Size	Quter Dia	Wall Thickness
40	40	2.0
50	50	2.4
63	63	3.0
75	75	3.6
90	90	4.3
110	110	4.8
160	160	7.6
200	200	8.7



ITEM NO:USE01

45°ELBOW

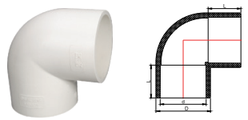
Nom Size	D	d	L
20	25	20	17
25	30.8	25	19.5
32	38.3	32	23
40	47.9	40	28.5
50	58.3	50	33.5
63	72.9	63	40
75	87.6	75	44
90	105.4	90	51
110	126.4	110	61
125	142.4	125	69
140	159	140	76.5
160	180.6	160	86.5
180	196.6	180	96
200	225.6	200	106
225	245	225	119
250	274.6	250	131
280	306	280	147
315	343	315	164
355	385	355	184
400	431	400	206



ITEM NO:USE07

REDUCING ELBOW

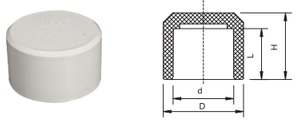
Nom Size	D	d	L	D1	d1	l
25×20	30.9	25	20	25	20	20



ITEM NO:USE02

90°ELBOW

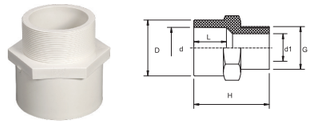
Nom Size	D	d	L
20	25	20	17
25	30.8	25	19.5
32	38.3	32	23
40	47.9	40	28.5
50	58.3	50	33.5
63	72.9	63	40
75	87.6	75	44
90	105.4	90	51
110	126.4	100	61
125	142.4	125	69
140	159	140	76.5
160	180.6	160	86.5
180	196.6	180	96
200	225.6	200	107
225	245	225	119
250	274.6	250	131
280	306	280	147
315	343	315	164
355	385	355	184
400	431	400	206



ITEM NO:US016

END CAP

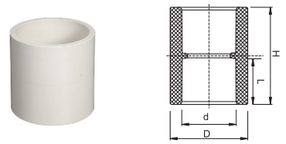
Nom Size	D	d	L	H
20	26.2	20	19	24
25	31.2	25	21.5	27
32	38.5	32	29.5	31
40	47.4	40	28.2	35
50	58.5	50	33	40
63	72.4	63	40	47
75	88.2	75	46	53.6
90	105.4	90	51	63.3
110	126.3	110	59.5	74.1
125	142.4	125	69	83.2
140	159	140	76.5	92.6
160	180.6	160	86.5	104.6
180	196.6	180	96	134.5
200	225.6	200	107	129.3
225	245	225	119	162.5
250	274.6	250	131	183
315	343	315	164	228
355	385	355	184	268
400	431	400	206	297



ITEM NO:US012

MALE ADAPTOR(NPT/BSPT)

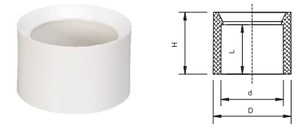
Nom Size	D	d	G	L	H	dl
20	27.4	20	1/2"	16	37	14
25	33.2	25	3/4"	19	43	18.5
32	40.6	32	1"	23	50.7	25
40	49.3	40	1-1/4"	26	58	32
50	60.3	50	1-1/2"	31.5	61	36
63	85.8	63	2"	38	73	47
75	89	75	2-1/2"	44	90	60
90	105.4	90	3"	51	108	69.2
110	130	110	4"	61.5	119	92
(BSPT)160	180.6	180.7	6"	83	150	137



ITEM NO:US003

COUPLING

Nom Size	D	d	L	H
20	25	20	17	36
25	30.8	25	19.5	41
32	38.3	32	23	48
40	47.9	40	28.5	60
50	58.3	50	33.5	70
63	72.9	63	40	83
75	87.6	75	44	90
90	105.4	90	51	106
110	126.4	110	61	126
125	142.4	125	69	144
140	159	140	76.5	161
160	180.6	160	86	180
180	196.6	180	96	198
200	225.6	200	107	222
225	245	225	119	252
250	274.6	250	131	269
280	306	280	147	304
315	343	315	164	344
355	385	355	184	378
400	431	400	206	419

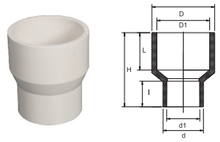


ITEM NO:US005

REDUCING RING

Nom Size	D	d	L	H
25×20	25	20	17	20.5
32×20	32	20	17	24
32×25	32	25	20	25
40×32	40	32	25	28.5
50×25	50	25	19.5	33.5
50×32	50	32	23	33.5
50×40	50	40	27.5	33.5
63×25	63	25	19.5	40
63×32	63	32	21.7	37.5
63×40	63	40	28.5	40
63×50	63	50	32.5	40
75×50	75	50	33.5	44
75×63	75	63	40	44
90×50	90	50	33.5	51
90×63	90	63	38	51.3
90×75	90	75	44	51
110×63	110	63	38.4	63.3
110×75	110	75	45	63.3
110×90	110	90	46.7	59.6
125×90	125	90	50	69
125×110	110.6	125.5	59.5	68.5
140×90	140	90	51	76.5
140×110	110.6	140.5	59.5	75.5
140×125	125.6	140.5	69	75.5
160×90	160	90	51	86.5
160×110	160	110	59.5	85.5
160×140	140.6	160.6	76.5	85.5
200×110	200	100	61	106
200×160	160.6	200.6	86.5	106.5
225×110	225	110	61	118.5
250×160	250	160	86	131
250×200	250	200	106	131
250×225	250	225	118.5	131
355×315	355	315	163.5	183.5
400×315	400	315	163.5	206

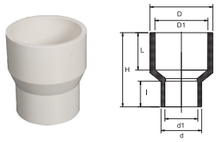
PVC PRESSURE PIPES & FITTINGS PN10 ISO1452



ITEM NO:US004

REDUCING COUPLING

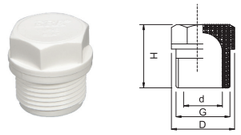
Nom Size	D	D1	L	d	d1	I	H
25×20	30.8	25	19.5	25	20	17	43
32×20	38.3	32	23	25	20	17	48
32×25	38.3	32	23	30.8	25	19.5	50.5
40×20	47.9	40	28.5	25	20	17	54.5
40×25	47.9	40	28.5	30.8	25	19.5	56.5
40×32	47.9	40	28.5	38.3	32	23	60
50×20	58.3	50	33.5	25	20	17	62
50×25	58.3	50	33.5	30.8	25	19.5	63.8
50×32	58.3	50	33.5	38.3	32	23	68
50×40	58.3	50	33.5	47.9	40	28.5	72
63×25	72.9	63	40	30.8	25	19.5	75
63×32	72.9	63	40	38.3	32	23	79
63×40	72.9	63	40	47.9	40	28.5	83
63×50	72.9	63	40	58.3	50	33.5	88
75×32	82.4	75	44	37.6	32	22	95
75×40	87.6	75	44	47.9	40	28.5	91.5
75×50	87.6	75	44	58.3	50	33.5	96
75×63	87.6	75	44	72.9	63	40	101
90×40	105.4	90	51	47.9	40	28.5	103
90×50	105.4	90	51	58.3	50	33.5	106.5
90×63	105.4	90	51	72.9	63	40	114
90×75	105.4	90	51	87.6	75.4	44	119.5
110×63	126.4	110	61.5	72.9	63.3	40	129
110×75	126.4	110	61.5	87.6	75.4	44	133
110×90	126.4	110	61	105.4	90	51	139
125×75	136	125	70	82.4	75	44	144
125×90	136	125	70	98.8	90	51	145
125×110	136	125	70	120	110	61	148
140×90	152.4	140	76	98.8	90	51	159
140×110	152.4	140	76	120	110	61	162
160×90	174	160	86	98.8	90	51	179
160×110	180.6	160	86.5	126.4	110	61	190
160×125	174	160	86	136	125	70	180
160×140	174	160	86	152.4	140	76	182
180×160	196.6	180	96	174	160	86	198
200×110	217.6	200	106	120	110	61	220
200×160	225.6	200	107	180.6	160	86.5	238.5
200×180	217.6	200	106	196.6	180	96	219
225×110	245	225	120	120	110	61	221
225×160	245	225	120	174	160	86	234
225×200	245	225	119	217.6	200	106	243
250×110	274.6	250	131	120	110	61	271
250×160	274.6	250	131	174	160	86	271



ITEM NO:US004

REDUCING COUPLING

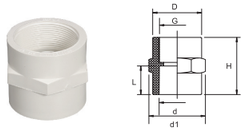
Nom Size	D	D1	L	d	d1	I	H
250×200	274.6	250	131	217.6	200	106	271
250×225	274.6	250	131	245	225	119	270
280×250	306	280	147	274.6	250	132	301
315×110	343	315	164.5	120	110	61	336
315×160	343	315	164.5	174	160	86	336
315×200	343	315	164.5	217.6	200	106	336
315×250	343	315	164.5	274.6	250	131	336
315×280	343	315	164.5	306	280	147	338
355×200	385	355	184	217.6	200	106	379
355×315	385	355	184	343	315	164	380
400×200	431	400	206	217.6	200	106	422
400×250	431	400	206	274.6	250	131	422
400×315	431	400	206	343	315	164	422
400×355	431	400	206	385	355	184	420



ITEM NO:US010

THREAD PLUG

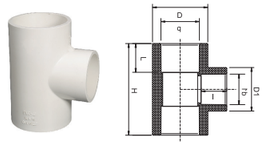
Nom Size	D	d	G	H
20	24	13	1/2"	28
25	30.4	19	3/4"	30.7
32	39.2	23	1"	37.5



ITEM NO:US011

FEMALE ADAPTOR(NPT/BSPT)

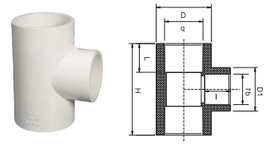
Nom Size	D	d	G	L	H	d1
20	27.4	20	1/2"	16	32	31.6
25	33.2	25	3/4"	19	38	38.3
25×1/2"	32.5	25.3	1/2"	28.4	19	36
32	40.6	32	1"	22	44.7	47.5
40	49.3	40	1-1/4"	26	53	56.9
50	60.3	50	1-1/2"	31.5	55.2	69.6
63	85.8	63	2"	38	69	85.8
75	89	75	2-1/2"	44	84	89
90	105.4	90	3"	51	97	105.4
110	130	110	4"	61.5	114	130



ITEM NO:UST02

REDUCING TEE

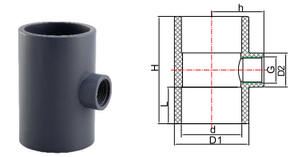
Nom Size	D	d	L	D1	d1	I	H
25×20	30.8	25	19.5	25	20	17	64
32×20	38.3	32	23	25	20	17	69
32×25	38.3	32	23	30.8	25	19.5	79
40×20	47.9	40	28.5	25	20	17	82
40×25	47.9	40	28.5	30.8	25	19.5	90
40×32	47.9	40	28.5	38.3	32	23	92
50×20	58.3	50	33.5	25	20	17	91
50×25	58.3	50	33.5	30.8	25	19.5	98
50×32	58.3	50	33.5	38.3	32	23	105
50×40	58.3	50	33.5	47.9	40	28.5	110
63×25	72.9	63	40	30.8	25	19.5	110
63×32	72.9	63	40	38.3	32	23	118
63×40	72.9	63	40	47.9	40	28.5	125
63×50	72.9	63	40	58.3	50	33.5	140
75×32	82.4	75	44	37.6	32	22	126
75×40	87.6	75	44	47.9	40	28.5	137
75×50	87.6	75	44	58.3	50	33.5	143
75×63	87.6	75	44	72.9	63	40	156
90×40	105.4	90	51	47.9	40	28.5	151
90×50	105.4	90	51	58.3	50	33.5	159
90×63	105.4	90	51	72.9	63	40	172
90×75	105.4	90	51	87.6	75	44	186
110×63	126.4	110	61	72.9	63	40	190.2
110×75	126.4	110	61	87.6	75	44	206
110×90	126.4	110	61	105.4	90	51	221
125×75	136	125	70	82.4	75	44	237
125×90	136	125	70	98.8	90	51	237
125×110	136	125	70	120	110	61	256
140×90	152.4	140	70	98.8	90	51	248
140×110	152.4	140	76	120	110	61	268.5
160×75	174	160	86	82.4	75	44	251
160×90	174	160	86	98.8	90	51	267.5
160×110	180.6	160	86.5	126.4	110	61	288
160×125	174	160	86	136	125	70	303
160×140	174	160	86	152.4	140	76	318.5
180×160	196.6	180	96	174	160	86	357
200×75	217.6	200	106	82.4	75	44	291
200×90	217.6	200	106	98.8	90	51	331
200×110	217.6	200	106	120	110	61	331
200×160	225.6	200	107	180.6	160	86.5	394.6
225×110	245	225	119	120	110	61	359.5
225×160	245	225	119	174	160	86	406.5
250×110	274.6	250	131	120	110	61	378



ITEM NO:UST02

REDUCING TEE

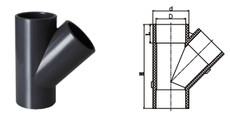
Nom Size	D	d	L	D1	d1	I	H
250×160	274.6	250	131	174	160	86	428.5
250×200	274.6	250	131	217.6	200	106	468.5
280×200	306	280	147	217.6	200	106	512
315×110	343	315	164	120	110	61	447.5
315×160	343	315	164	174	160	86	497.5
315×200	343	315	164	217.6	200	106	537
315×225	343	315	164	245	225	119	537
315×250	343	315	164	274.6	250	131	587
355×110	385	355	184	120	110	61	558
355×160	385	355	184	174	160	86	558
355×200	385	355	184	217.6	200	107	692
355×225	385	355	184	245	225	118	692
355×250	385	355	184	274.6	250	131	692
400×200	431	400	206	217.6	200	106	644
400×225	431	400	206	245	225	119	644
400×250	431	400	206	274.6	250	131	751
400×315	431	400	206	343	315	164	751



ITEM NO:USF001

FEMALE REDUCING TEE

Nom Size	D1	D2	d	L	H	h	G
63X3/4"	75	34	63	40	113	51.5	3/4"

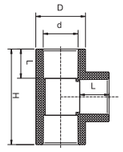


ITEM NO:UST04

SKEW TEE

Nom Size	d	D	H	L
110	198	126.4	284.4	61

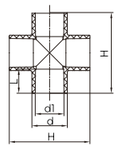
PVC PRESSURE PIPES & FITTINGS PN10 ISO1452



ITEM NO:UST01

STRAIGHT TEE

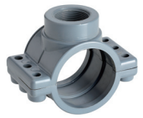
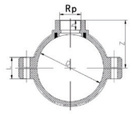
Nom Size	D	d	L	H
20	31.2	20	17	57
25	30.8	25	19.5	67
32	38.3	32	23	81
40	47.9	40	28.5	102
50	58.3	50	33.5	123
63	72.9	63	40	148
75	87.6	75	44	166
90	105.4	90	51	196
110	126.4	110	61	236.4
125	142.4	125	69	268
140	159	140	76.5	298
160	180.6	160	86	338
180	196.6	180	96	377
200	225.6	200	107	434
225	245	225	119	468
250	274.6	250	131	518
280	306	280	147	592
315	343	315	164	651
355	385	355	184	739
400	431	400	186	792



ITEM NO:US018

CROSS

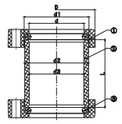
Nom Size	d	d1	H	L
20	25	20.3	57	17
25	30.8	25.3	69	20.6
32	38.3	32.4	81	23
40	47.9	40.4	102	28.5
50	58.3	50.4	123	33.5
63	72.9	63.4	148	40
75	87.6	75.5	166	44
90	105.4	90.5	196	51
110	126.4	110.6	236.4	64
160	180.6	160.6	338	86.5

ITEM NO:USS01

UPVC SADDLE CLAMP

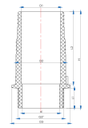
Nom Size	D	Rp	H	Z	L
50×25	50	25	26	59	23
63×25	63	25	26	65	28
63×1"	63	1"	21	60	28
75×3/4	75	3/4"	20	65	31
75×1-1/2"	75	1-1/2"	24	68	31
90×25	90	25	26	80	36
90×1"	90	1"	24	79.5	36
90×1-1/2"	90	1-1/2"	24	75	36
110×1/2"	110	1/2"	24	88.5	38
110×3/4"	110	3/4"	20	88.5	38
110×1"	110	1"	24	88.5	38
110×1-1/2"	110	1-1/2"	35	97	38
110×2"	110	2"	35	97	38
110×2-1/2"	110	2-1/2"	35	97	38
125×1-1/2"	125	1-1/2"	37	105	37
125×2"	125	2"	37	105	37
125×2-1/2"	125	2-1/2"	37	105	37
160×1"	160	1"	24	114.5	55
160×1-1/2"	160	1-1/2"	36	125	55
160×2"	160	2"	36	125	55
160×2-1/2"	160	2-1/2"	36	125	55
200×1-1/2"	200	1-1/2"	35	142	74
200×2"	200	2"	37	142	74
200×2-1/2"	200	2-1/2"	37	142	74
225×3/4"	225	3/4"	20	153.5	76
225×1-1/2"	225	1-1/2"	37	153.5	76
225×2"	225	2"	37	153.5	76
225×2-1/2"	225	2-1/2"	37	153.5	76
250×2"	250	2"	28	170	76
250×2" (Cu)	250	2"	28	170	76
250×2-1/2"	250	2-1/2"	38	170	76
250×3"	250	3"	34	170	76
250×110"	250	110	61.5	195	76
315×2" (Cu)	315	2"	27	170	70
315×110	315	110	63	231.5	70
315×160	315	160	86	250	70
400×110	400	110	61	285	87
400×200	400	200	106	330	87
400×250	400	250	162	385	87



ITEM NO:USG001

GIBOT

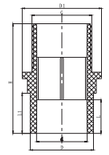
Nom Size	D	d	d1	d2	d3	L
40	86.3	41	50.4	50	41	60
50	73.1	51	46.5	60.3	51	70
63	90.6	64.5	76	75	64	79.5
75	102.83	76	90.44	90	76	92
90	132.5	91	109.5	91	91	105
110	154.5	111	131.5	129.4	111	130.6
125	167.9	126	146.5	144.4	126	140
140	186	141	163	161.2	141	148
160	211	161	184.5	184		155.6
200	260.7	201	229.4	228.8		205.6
225	291.6	226	257.3	256.8		230.6
250	320.2	251	285.1	284.6		255.6



ITEM NO:USC02

MALE HOSE CONNECTOR

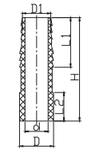
Nom Size	D1	D2	D3	d	L1	L2	H	G
20×22×1/2"	15	22	24	14.5	15	45	66	1/2"
25×27×3/4"	19	25	30	18	15.5	49	70.5	3/4"
30×32×1"	24	30	36	24	19		77	1"
40×42×1-1/4"	33	39.4	46	32	22	59	88	1-1/4"
50×52×1-1/2"	42	49	55	37.5	22	62	91	1-1/2"
60×64×2"	50.5	64	75	48	25.7	93	124	2"



ITEM NO:USG002

FLANGE COUPLING M/F

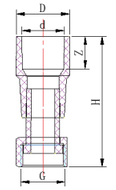
Nom Size	d	D	D1	L	L1	H	H1	G
25×20×3/4"	20.2	25	39.6	16.5	19	75.9	/	3/4"
32×25×1"	25.2	32	47	18.5	22	82	/	1"
32×40×1-1/4"	32	40	57.8	22.5	28.5	91.8	17	1-1/4"
40×50×1-3/4"	40	50	71.8	28.5	33.5	98.5	19.2	1-3/4"
50×40×1-1/2"	40.4	50	57.9	28.5	33.5	98.5	19	1-1/2"
50×63×2"	50	63	79	33.5	40	109.3	21	2"
63×75×2-1/2"	63	75	95	40	44	120	23	2-1/2"



ITEM NO:USC01

HOSE CONNECTOR

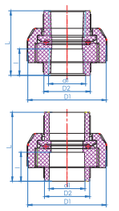
Nom Size	D	d	D1	L	L1	H
20	20	14	18	31		73
25	25	17	20.8	36.5	21	76
32	32	24	27.8	39.5	22	80.5
40	40	32	37	42	26	92
50	50	41	47	45.5	31	100



ITEM NO:USC003

PRESSURE TAP CONNECTOR

Nom Size	D	d	G	Z	H
25X3/4"	31.9	25.3	3/4"	19.5	77.8



ITEM NO:UDN001

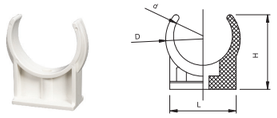
PVC PN10 UNION DIN

Nom Size	d1	D2	D1	I	L
20	20	25.7	44.6	16.5	39.2
25	25	31.3	51.6	19	45.2
32	32	39	59.2	22.5	52.2
40	40	47.2	69.8	26.5	60.5
50	50	58.1	80.1	31.5	73.9
63	63	71.5	95.9	38	85.9

PVC PN10 UNION BSPT

Nom Size	d1	D2	D1	I	L
1/2"	1/2"	26.4	44.6	15	36.7
3/4"	3/4"	32.5	51.6	15.5	38.2
1"	1"	39.9	59.2	18.5	44.7
1-1/4"	1-1/4"	48.9	69.8	20.5	49
1-1/2"	1-1/2"	55.4	80.1	20.5	51.9
2"	2"	67.7	95.9	25	60.4

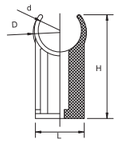
PVC PRESSURE PIPES & FITTINGS PN10 ISO1452



ITEM NO:US007

PIPE BRACKET

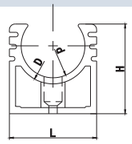
Nom Size	D	d	L	H
20	24.7	19.5	24.7	24.7
25	32.8	24.5	29.4	28.7
32	40.5	31.5	37	32.5
40	50	39.5	39.6	40.5
50	61.2	49.5	44	49.5
63	77	62.5	60	59



ITEM NO:US008

U- BRACKET

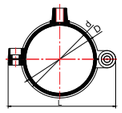
Nom Size	D	d	L	H
20	24	19.5	22	46.8
25	32.8	24.5	29.4	52
32	40.5	31.5	37	57
40	50	39.5	39.6	64
50	61.2	49.5	44	69.8
63	77	62.5	60	80



ITEM NO:US017

CLAMP (PP)

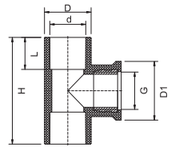
Nom Size	D	d	L	H
25	31	24.5	37.8	36.8
32	37.9	31.5	47.8	43
40	47	39.5	54	55.5
50	56.6	49.5	63.5	60
63	68.7	62.5	76.5	66.5



ITEM NO:US006

PIPE CLAMP

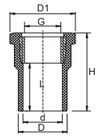
Nom Size	D	d	L
20	23.4	20	40
25	29.4	25	45
32	36	32	55
40	44	40	63
50	54	50	77
63	68.5	63	100



ITEM NO:UST03

COPPER THREAD TEE

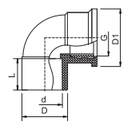
Nom Size	D	d	L	G	H	D1
20×1/2"	25	20	17	1/2"	60	33
25×1/2"	30.8	25	19.5	1/2"	68	33
25×3/4"	30.8	25	19.5	3/4"	73	40
32×1/2"	38.3	32	23	1/2"	68	33
32×3/4"	38.3	25	23	3/4"	73	40
32×1"	38.3	32	23	1"	90	45



ITEM NO:US009

COPPER THREAD COUPLING

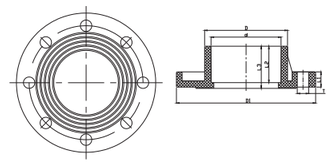
Nom Size	D	d	D1	G	L	H
20×1/2"	25	20	33.5	1/2"	24.5	40
25×1/2"	30.8	25	35.3	1/2"	19.5	43
25×3/4"	30.8	25	40.4	3/4"	28	45
32×1/2"	38.3	32	33.5	1/2"	23	43
32×3/4"	38.3	25	44.2	3/4"	23	47
32×1"	38.3	32	50	1"	23	49



ITEM NO:USE03

90°COPPER THREAD ELBOW

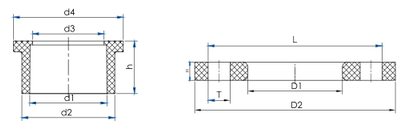
Nom Size	D	d	L	G	D1
20×1/2"	25	20	17	1/2"	33
25×1/2"	30.8	25	19.5	1/2"	33
25×3/4"	30.8	25	19.5	3/4"	40
32×1/2"	38.3	32	23	1/2"	33
32×3/4"	38.3	25	23	3/4"	40
32×1"	38.3	32	23	1"	45



ITEM NO:US015

TS FLANGE

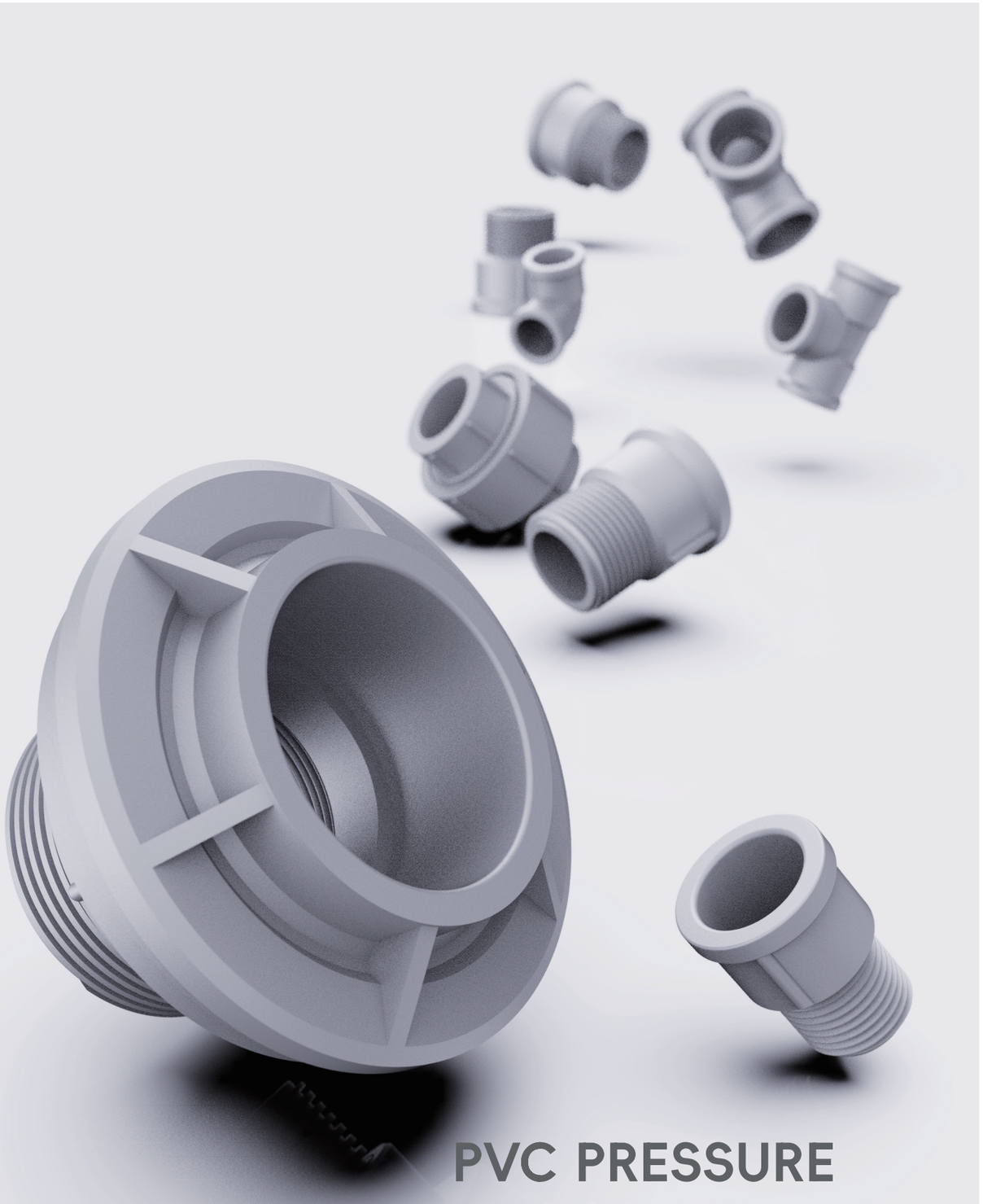
Nom Size	D	d	D1	L1	L2	L3	T
20	27	20.3	95	14	16	20.2	4×13.5
25	33	25.3	105	16	19	23.2	4×14
32	40	32.4	115	16	22	26.2	4×14
40	50	40.4	140	16	26	30.5	4×18
50	61	50.4	150	17.6	30.5	34.1	4×18
63	75	63.4	164.6	18	38.9	43	4×18
75	90	75.5	185	19.3	44	48	4×18
90	106.8	90.5	194.5	22.2	46.5	54	4×18
110	131	110.6	220	24	57.6	66.6	4×18



ITEM NO:US013+US014

PLANE FLANGE & SHORT PIPE FOR FLANG

Nom Size	d1	d2	d3	d4	h	D1	D2	H	T	L
63	63.4	76.4	58.8	90.4	43.3	78	165	15	4-Ø18	125
75	75.4	89.3	71.2	105.5	49.6	90.7	179	15.3	4-Ø17.5	146
90	90.4	106.3	84.7	124	60	107	192.6	15.7	4-Ø17.5	157.9
110	110.5	129.8	105	149.5	69	131.4	218.5	18	8-Ø17.5	179.5
125	126.6	142.4	123.5	168.4	74	145.9	250	14		
160	160.6	181.5	150	214	92.5	184.5	284	22.8	8-Ø23	239
200	200.6	223.2	194.5	266.5	120.2	228	338.4	28	8-Ø24.5	292.3
225	225	247.5	200	274	126	250	339	32	8-Ø22.5	294.5
250	250	282	242	327	140	284	39.7	34.5	12-Ø22	350
315	315	345	299	377	174	347.5	452	36.5	12-Ø21.6	402.5

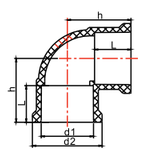


PVC PRESSURE FITTINGS TYPE II

PRESSURE

CE

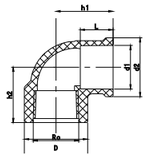
PVC PRESSURE FITTINGS TYPE II



ITEM NO:USII003

90°ELBOW

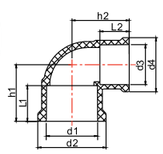
Nom Size	d1	d2	h	L
20	20	28.5	27.4	16.5
25	25	34	32	18.5
32	32	43	39.3	22.5
40	40	51.5	47.8	26.2
50	50	63	58.5	31.3
63	63	80	70.5	37.5



ITEM NO:USII010

FEMALE ELBOW

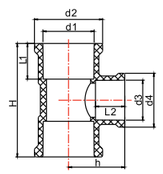
Nom Size	d1	d2	D	Rc	L	h1	h2
20×1/2"	20	28.5	30.2	1/2"	16.5	26.4	28.5
25×3/4"	25	34	36.6	3/4"	18.5	33	32
32×1"	32	43	44	1"	22.5	39.4	39.5



ITEM NO:USII004

REDUCING ELBOW

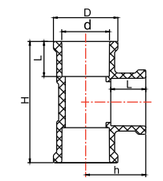
Nom Size	d1	d2	d3	d4	L1	L2	h1	h2
25×20	25	34	20	28.5	18.5	16.5	29.8	30
32×25	32	43	25	34	22.5	18.5	35.7	36.1
40×32	40	51.5	32	43	26.2	22.5	44	44.8



ITEM NO:USII002

REDUCING TEE

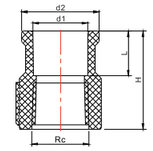
Nom Size	d1	d2	d3	d4	L1	L2	h	H
25×20	25	34	20	28.5	18.5	16.5	29.6	59.2
32×25	32	43	25	34	22.5	18.5	35.5	71.6
40×32	40	51.5	32	43	26.2	22.5	44	86.5
50×32	50	63	32	43	31.3	22.5	48.5	97
50×40	50	63	40	51.5	31.3	26.2	53	105.5



ITEM NO:USII001

TEE

Nom Size	d1	d2	L	h	H
20	20	28.5	16.5	28	54.2
25	25	34	18.5	31.8	64
32	32	43	22.5	40	78.2
40	40	51.5	26.2	47.1	95
50	50	63	31.3	58	115
63	63	80	37.5	70	140



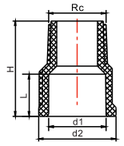
ITEM NO:USII006

FEMALE ADAPTOR

Nom Size	Rc	H	d1	d2	L
20×1/2"	1/2"	36.2	20	28.5	16.5
25×3/4"	3/4"	40.2	25	34	18.5
32×1"	1"	47.5	32	43	22.5
40×1-1/4"	1-1/4"	55	40	51.5	26.2
50×1-1/2"	1-1/2"	57.5	50	62	31.3

Pressure

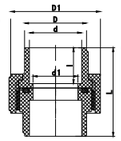
PVC PRESSURE FITTINGS TYPE II



ITEM NO:USII007

MALE ADAPTOR

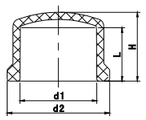
Nom Size	Rc	H	d1	d2	L
20×1/2"	1/2"	38	20	28.5	16.5
25×3/4"	3/4"	42	25	34	18.5
32×1"	1"	49.5	32	43	22.5
40×1-1/4"	1-1/4"	56	40	51.5	26.2
50×1-1/2"	1-1/2"	65.7	50	63	31.3
63×2"	2"	78.6	63	80	37.5



ITEM NO:USII009

UNION TYPE III

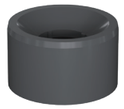
Nom Size	D1	D	d	d1	l	L
20	48	30.2	20	15	16.5	45.5
25	55	36.8	25	22	18.5	51.5
32	55	38	32	27.5	22.5	54.2
40	76	52	40	32.8	26.2	68.2
50	85	59	50	40	31.3	74.3
63	101	72.8	63	53.5	37.5	85.2

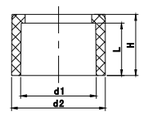


ITEM NO:USII011

END PLUG

Nom Size	d1	d2	L	H
20	20	28.5	16.5	21.5
25	25	34	18.5	25
32	32	43	22.5	29
40	40	51.5	26.2	33
50	50	63	31.3	39.2
63	63	80	37.5	47.4

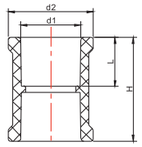




ITEM NO:USII008

REDUCING RING

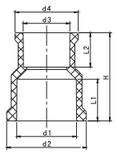
Nom Size	d1	d2	L	H
25×20	20	25	16.5	18.7
32×25	25	32	18.5	22.2
40×32	32	40	22.5	26.2
50×40	40	50	26.2	31.6
63×50	50	63	31.3	37.9
75×40	75.2	40.2	26.5	43.5



ITEM NO:USII005

COUPLING

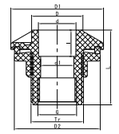
Nom Size	d1	d2	H	L
20	20	28.5	35	16.5
25	25	34	40.3	18.5
32	32	43	47.6	22.5
40	40	51.5	55.5	26.2
50	50	63	65.7	31.3
63	63	80	79	37.5



ITEM NO:USII012

REDUCING COUPLING

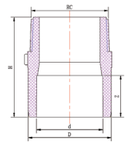
Nom Size	d1	d2	d3	d4	L1	L2	H
25×20	25	34	20	28.5	18.5	16.5	40
32×25	32	43	25	34	22.5	18.5	47.6
40×32	40	51.5	32	43	26.2	22.5	56
50×32	50	43	43.7	32.3	29.5	/	61.5



ITEM NO:USII014

FLANGE COUPLING

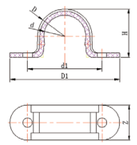
Nom Size	D1	D2	D	d	d1	l	L	G	Tr
32×1"	79.5	73.8	44	32	28.6	22.5	64	1"	45
40×1-1/4"	87.6	82	54.8	40	35	26.2	64	1-1/4"	53
50×1-1/2"	95	87.5	61	50	43	36.3	67.2	1-1/2"	57.8
63×2"	109	102	74.8	63	54.4	37.5	67.5	2"	73



ITEM NO:USII015

COUPLING M/F

Nom Size	RC	D	d	Z	H
63×50×2"	2"	63	50.3	31.5	75.5

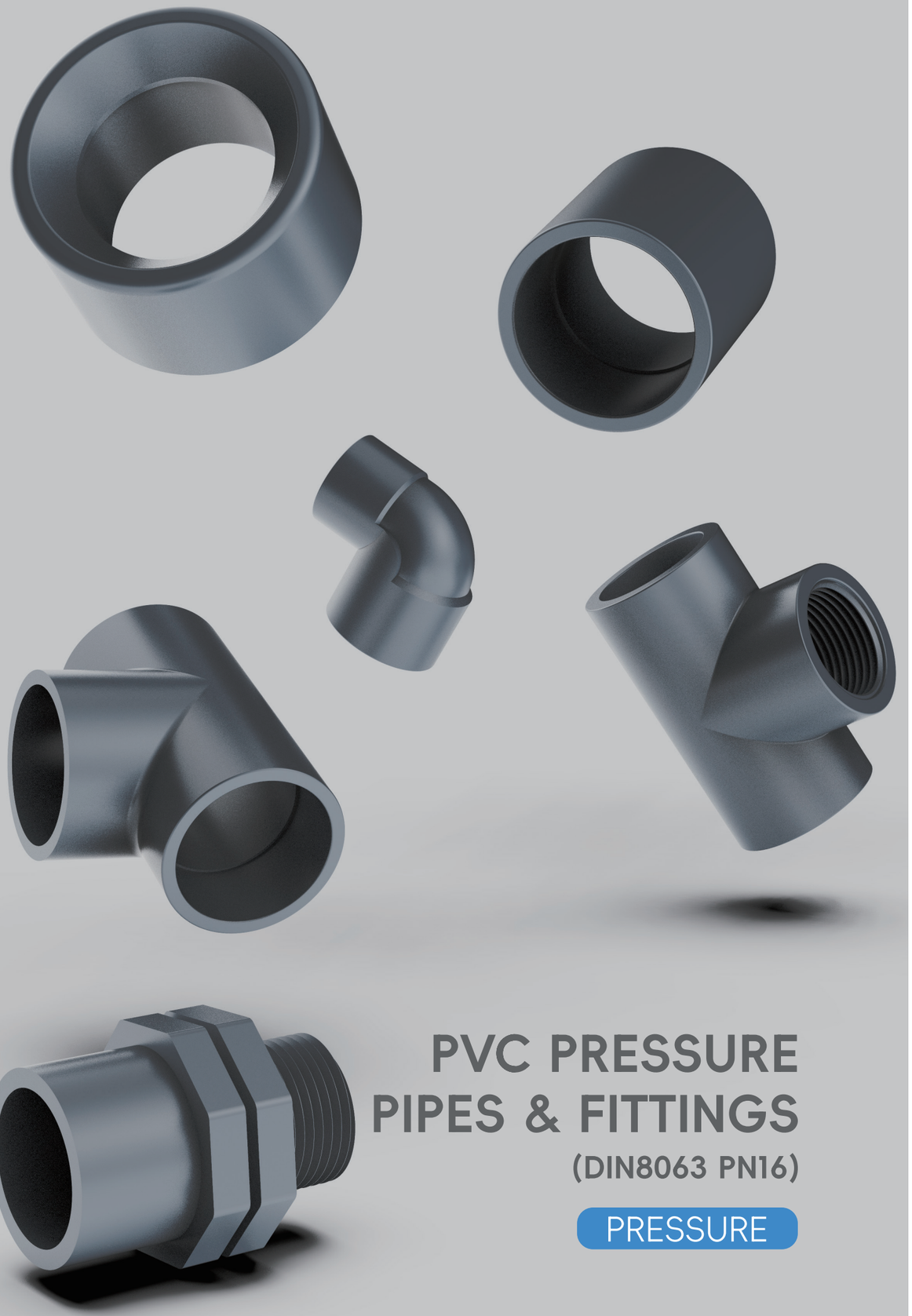


ITEM NO:USII017

CLAMP

Nom Size	D	d	D1	d1	Z	H
20	13.1	10.1	36	53	16.8	20.2
25	16.1	12.6	46	60	16.8	25.3

Pressure



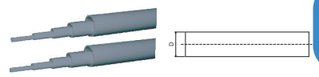
PVC PRESSURE PIPES & FITTINGS

(DIN8063 PN16)

PRESSURE

WRAS APPROVED PRODUCT ACS CE

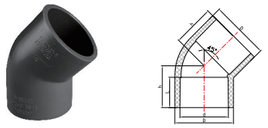
DIN8063 PVC PRESSURE PIPES & FITTINGS PN16



ITEM NO:US6001

PRESSURE PIPES PN16

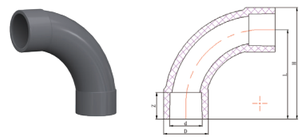
Nom Size	Outer Dia	Wall Thickness
20	20	2.0
25	25	2.0
32	32	2.4
40	40	3.0
50	50	3.7
63	63	4.7
75	75	5.6
90	90	6.7
110	110	7.2



ITEM NO:US6E01

45° ELBOW

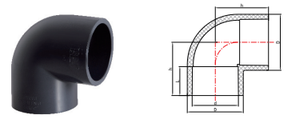
Nom Size	D	d	L	h
20	27	20	16.5	21.5
25	33	25	19.5	25.5
32	41.3	32	22.5	30
40	50.4	40	26.5	36
50	61	50	31.5	43.5
63	75.9	63	38.5	53.5
75	89.8	75	44.5	62
90	107.8	90	51.5	72.5
110	131	110	61.5	87.5
125	148.1	125.6	69	98
140	165.3	140.7	76.5	108.5
160	188	160	86.5	123



ITEM NO:US6026

90°DEGREE BENDS

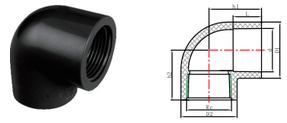
Nom Size	D	d	L	Z	H
20	28	20.3	56	16.5	70
25	34	25.3	69	19.8	86
32	42.3	32.3	86	22.5	107.1
40	51.4	40.4	106	26.5	131.7
50	62	50.4	131	31.5	162
63	76.9	63.4	164	38.5	202.4



ITEM NO:US6E02

90° ELBOW

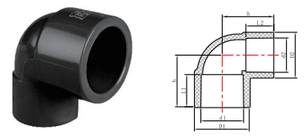
Nom Size	D	d	L	h
20	27	20	16.5	28
25	33	25	19.5	33.5
32	41.3	32	22.5	40
40	50.4	40	26.5	48
50	61	50	31.5	58
63	75.9	63	38.5	72
75	89.8	75	44.5	84
90	107.8	90	51.5	99
110	131	110	61.5	119
125	148.1	125.6	69	134.5
140	140.7	165.3	76.5	149.5
160	188	160	86.5	169.5



ITEM NO:US6E03

FEMALE ELBOW

Nom Size	D1	D2	d	L	h1	h2	Rc
20×1/2"	28.6	28.6	20	16.5	28	28.5	1/2"
25×1/2"	33	28.6	25	19.5	31.5	31.5	1/2"
25×3/4"	35.1	35.1	25	19.5	34	33	3/4"
32×1/2"	41.3	29.6	32	22.5	34.5	35	1/2"
32×3/4"	41.3	35	32	22.5	37	36.5	3/4"
32×1"	44.3	44.3	32	22.5	40	40.5	1"
40×1-1/4"	52.4	52.4	40	26.5	49	46.5	1-1/4"
50×1-1/2"	61	61	50	31.5	56.5	52	1-1/2"
63×2"	75.9	75.9	63	38.5	69	63	2"
75×2-1/2"	89.8	89.8	75	44.5	83	74.5	2-1/2"
90×3"	107.8	107.8	90	51.5	96.5	84	3"
110×4"	135.5	135.5	110	61.5	119	105.5	4"

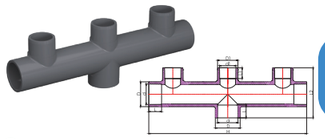


ITEM NO:US6E07

REDUCING ELBOW

Nom Size	D1	d1	L1	D2	d2	L2	h
25×20	33	25	19.5	27	20	16.5	30.5

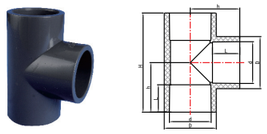
Pressure



ITEM NO:US6028

Y ELBOW

Nom Size	D	D1	d	d1	L	L1	L2	L2
50×40	61	50.1	50.4	40.4	31.5	26.5	123	388



ITEM NO:US6T01

TEE

Nom Size	D	d	L	H	h
20	27	20	16.5	56	28
25	33	25	19.5	67	33.5
32	41.3	32	22.5	80	40
40	50.4	40	26.5	96	48
50	61	50	31.5	117	58
63	75,9	63	38.5	144	72
75	89.8	75	44.5	168	84
90	107.8	90	51.5	197	98.5
110	131	110	61.5	237	118.5
125	148.1	125.6	69	/	134.5
140	140.7	165.3	76.5	/	149.5
160	188	160	86.5	337	168.5

ITEM NO:US6T03

FEMALE TEE

Nom Size	D1	D2	d	L	h1	h2	H	Rc
20×1/2"	28.6	28.6	20	16.5	27.5	29	55	1/2"
25×1/2"	33	28.6	25	19.5	30.5	31.5	61	1/2"
25×3/4"	34.2	34.2	25	19.5	33	33.5	66	3/4"
32×1/2"	41.3	29.6	32	22.5	34	35	68	1/2"
32×3/4"	41.3	35	32	22.5	36.5	36.5	73	3/4"
32×1"	42.3	42.3	32	22.5	40	40	80	1"
40×1-1/4"	52.4	52.4	40	26.5	47.5	46.5	95	1-1/4"
50×1/2"	61	27.7	50.4	31.5	42.5	44.8	85	1/2"
50×1-1/2"	61	61	50	31.5	55.5	51.5	111	1-1/2"
63×1/2"	75.9	27.7	63.4	38.5	49.5	52.3	99	1/2"
63×3/4"	75.9	34.2	63.4	38.5	52.5	53.8	105	3/4"
63×2"	75.9	75.9	63	38.5	68.5	62	137	2"
75×2-1/2"	89.8	89.8	75	44.5	83	73.5	166	2-1/2"
90×3"	107.8	107.8	90	51.5	96.5	84	193	3"
110×4"	135.5	135.5	110	61.5	119	100	238	4"

ITEM NO:US6T02

REDUCING TEE

Nom Size	D1	d1	L1	h1	D2	d2	L2	h2	H
25×20	33	25	19.5	31	27	20	16.5	30.5	62
32×20	41.3	32	22.5	34	27	20	16.5	34	68
32×25	41.3	32	22.5	36.5	33	25	19.5	37	73
40×20	50.4	40	26.5	38	27	20	16.5	38	76
40×25	50.4	40	26.5	40.5	33	25	19.5	40.5	81
40×32	50.4	40	26.5	44.5	41.3	32	22.5	43.5	89
50×20	61	50	31.5	43.5	27	20	16.5	42.5	87
50×25	61	50	31.5	46	33	25	19.5	45.5	92
50×32	61	50	31.5	49.5	41.3	32	22.5	48.5	99
50×40	61	50	31.5	53.5	50.4	40	26.5	52.5	107
63×25	75.9	63	38.5	53.5	33	25	19.5	52	107
63×32	75.9	63	38.5	57	41.3	32	22.5	55	114
63×40	75.9	63	38.5	61	50.4	40	26.5	59	122
63×50	75.9	63	38.5	66	61	50	31.5	64	132
75×40	89.8	75	44.5	67	50.4	40	26.5	65	134
75×50	89.8	75	44.5	72	61	50	31.5	70	144
75×63	89.8	75	44.5	78.5	75.9	63	38.5	77	157
90×40	107.8	90	51.5	74	50.4	40	26.5	72.5	148
90×63	107.8	90	51.5	85.5	75.9	63	38.5	84.5	171
90×75	107.8	90	51.5	91.5	89.8	75	44.5	90.5	183
110×63	131	110	61.5	95.5	75.9	63	38.5	95	191
110×75	131	110	61.5	101.5	89.8	75	44.5	101	203
110×90	131	110	61.5	109	107.8	90	51.5	108	218
160×110	188	160	86.5	144	131	110	61.5	143	288

ITEM NO:US6T04

SKEW TEE

Nom Size	d	D	L	H	H1	H2
50MM	50.4	61	31.5	142	45	97

ITEM NO:US6025

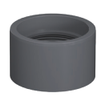
CROSS

Nom Size	D	d	Z	H
20	27	20.3	16.5	56
25	33	25.3	19.5	67
32	41.3	32.3	22.5	80
40	50.4	40.4	26.5	96
50	61	50.4	31.5	116
63	75.9	63.4	38.5	144

ITEM NO:US6005

REDUCING RING

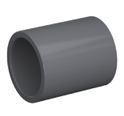
Nom Size	D	d	L	H
25×20	25	20	16.5	19.5
32×20	32	20	16.5	22.5
32×25	32	25	19.5	22.5
40×20	40	20	16.5	26.5
40×25	40	25	19.5	26.5
40×32	40	32	22.5	26.5
50×20	50	20	16.5	31.5
50×25	50	25	19.5	31.5
50×32	50	32	22.5	31.5
50×40	50	40	26.5	31.5
63×25	63	25	19.5	38.5
63×32	63	32	22.5	38.5
63×40	63	40	26.5	38.5
63×50	63	50	31.5	38.5
75×50	75	50	31.5	44.5
75×63	75	63	38.5	44.5
90×50	90	50	31.5	51.5
90×63	90	63	38.5	51.5
90×75	90	75	44.5	51.5
110×63	110	63	38.5	61.5
110×75	110	75	44.5	61.5
110×90	110	90	51.5	61.5
160×90	160	90	51.5	86.5
160×110	160	110	61.5	86.5



ITEM NO:US6027

FEMALE THREADED REDUCING RING

Nom Size	D	d	D1	d1	Z	Z1	H
75×63	74.4	63	75.3	2"	14	28	44.5
90×75	88.5	75.6	90.3	2-1/2"	15.5	33	51.5



ITEM NO:US6024

TRANSITION COUPLING

Nom Size	D	d	D1	Z	Z1	H
25×3/4"	33	25.2	26.8	19	20	43
32×1"	41.3	32.2	33.6	22.5	23	49
50×1-1/2"	61	50.3	48.5	31.5	30.5	66
63×2"	75.9	63.3	60.6	38	35.5	78.6
90×3"	107.8	90.3	89.3	51.5	51	109
110×4"	131	110.4	114.7	61.5	63.5	132

ITEM NO:US6022

FEMALE REDUCING RING

Nom Size	Rc	D	H	L1	L2
25×1/2"	1/2"	24.9	23.5	4.5	19.5
32×1/2"	1/2"	31.9	27.5	8.5	22.5
32×3/4"	3/4"	31.9	27.5	6.5	22.5
40×1"	1"	39.9	32.5	7.7	26.5
50×1/2"	1/2"	49.9	38.5	19.5	31.5
50×1-1/2"	1-1/2"	49.9	38.5	11.15	31.5
63×1/2"	1/2"	62.9	45.5	26.5	38.5
63×1-1/2"	1-1/2"	62.9	45.5	26.5	38.5

ITEM NO:US6023

REDUCING RING MF

Nom Size	D	D1	D2	D3	H	L	L1	L2
3/4"×1/4"	30	1/4"	18.4	3/4"	16	12	26	30
1/2"×1/4"	24	1/4"	13.4	1/2"	14	12	24	24

ITEM NO:US6020

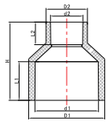
REDUCING COUPLING M/F

Nom Size	D1	d1	L1	D2	d2	L2	H
63×50×32	41.3	32.3	22.5	62	50.4	31.5	73

ITEM NO:US6003

COUPLING

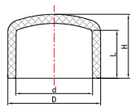
Nom Size	D	d	L	H
20	27	20	16.5	35
25	33	25	19.5	41
32	41.3	32	22.5	47
40	50.4	40	26.5	55
50	61	50	31.5	65
63	75.9	63	38.5	80
75	89.8	75	44.5	92
90	107.8	90	51.5	107
110	131	110	61.5	128
160	188	160	86.5	180



ITEM NO:US6004

REDUCING COUPLING

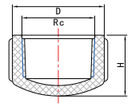
Nom Size	D1	d1	L1	D2	d2	L2	H
25×20	33	25	19.5	27	20	16.5	43
32×20	41.3	32	22.5	27	20	16.5	48
32×25	41.3	32	22.5	33	25	19.5	50
40×20	50.4	40	26.5	27	27	16.5	52
40×25	50.4	40	26.5	33	25	19.5	56
40×32	50.4	40	26.5	41.3	32	22.5	59
50×20	61	50	31.5	27	20	16.5	62
50×25	61	50	31.5	33	25	19.5	65
50×32	61	50	31.5	41.3	32	22.5	67
50×40	61	50	31.5	50.4	40	26.5	72
63×25	75.9	63	38.5	33	25	19.5	75
63×32	75.9	63	38.5	41.3	32	22.5	78
63×40	75.9	63	38.5	50.4	40	26.5	82
63×50	75.9	63	38.5	61	50	31.5	87
75×40	89.8	75	44.5	50.4	40	26.5	90
75×50	89.8	75	44.5	61	50	31.5	96
75×63	89.8	75	44.5	75.9	63	38.5	101
90×40	107.8	90	51.5	50.4	40	26.5	105
90×50	107.8	90	51.5	61	50	31.5	108
90×63	107.8	90	51.5	75.9	63	38.5	115
90×75	107.8	90	51.5	89.8	75	44.5	118
110×63	131	110	61.5	75.9	63	38.5	130
110×75	131	110	61.5	89.8	75	44.5	134
110×90	131	110	61.5	107.8	90	51.5	139
160×110	188	160	86.5	131	110	61.5	190



ITEM NO:US6016

END CAP

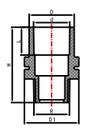
Nom Size	D	d	L	H
20	27	20	16.5	21.5
25	33	25	19.5	26
32	41.3	32	22.5	31
40	50.4	40	26.5	36
50	61	50	31.5	42
63	75.9	63	38.5	51
75	89.8	75	44.5	59
90	107.8	90	51.5	68
110	131	110	61.5	81.5



ITEM NO:US6017

FEMALE CAP

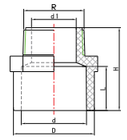
Nom Size	D	H	Rc
20×1/2"	28.6	24	1/2"
25×3/4"	35.2	26	3/4"
32×1"	43.3	32	1"
40×1-1/4"	53	35	1-1/4"
50×1-1/2"	59.4	36.2	1-1/2"
63×2"	73	42.6	2"
75×2-1/2"	89.8	56	2-1/2"
90×3"	107.8	64	3"
110×4"	133.5	73	4"



ITEM NO:USM002

MALE ADAPTOR III

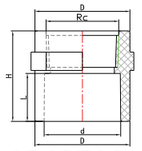
Nom Size	D	D1	d	L	H	
20X1/2"	25	29.5	20	16	49	1/2"
25X3/4"	31.8	38.3	25	19.5	53	3/4"



ITEM NO:US6012

MALE ADAPTOR

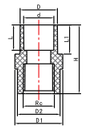
Nom Size	D	d	d1	L	H	R
20×1/2"	28.6	20	12	16.5	38.5	1/2"
20×3/4"	28.5	20.3	17	18	40	3/4"
25×3/4"	34	25	17	19.5	44	3/4"
25×1"	34	25.8	22	21.5	47.5	1"
32×1-1/4"	42.3	32.3	29	25	54.5	1-1/4"
32×1"	42.3	32	22	22.5	52.5	1"
40×1-1/4"	51.4	40	30	26.5	58	1-1/4"
40×1-1/2"	51.4	40.4	34.5	28	58	1-1/2"
50×1-1/2"	62.5	50	34.5	31.5	64	1-1/2"
50×2"	62.5	50.4	44.4	34	68	2"
63×2"	77.4	63	44.4	38.5	74	2"
75×2-1/2"	91.3	75	57.7	44.5	83.5	2-1/2"
90×3"	109.8	90	66.7	51.5	98.5	3"
110×4"	133	110	88.7	61.5	116.5	4"



ITEM NO:US6011

FEMALE ADAPTOR

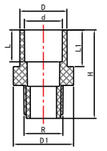
Nom Size	D	d	L	H	Rc
20×1/2"	28.6	20	16.5	35.5	1/2"
25×3/4"	34	25	19.5	40	3/4"
32×1"	42.3	32	22.5	46.6	1"
40×1-1/4"	51.4	40	26.5	54.5	1-1/4"
50×1-1/2"	62.5	50	31.5	59.5	1-1/2"
63×2"	77.4	63	38.5	71.5	2"
75×2-1/2"	91.3	75	44.5	80.5	2-1/2"
90×3"	109.8	90	51.5	90.5	3"
110×4"	133	110	61.5	107	4"



ITEM NO:USF002

FEMALE ADAPTOR M/F

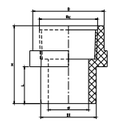
Nom Size	D1	D2	D	d	L	L1	H	Rc
25×20×1/2"	32	28.5	25	20	17	19.5	46	1/2"



ITEM NO:US6019

MALE ADAPTOR M/F

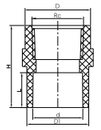
Nom Size	D1	D	d	L	L1	H	Rc
25×20×1/2"	32	25.2	20.2	17	19.5	47	1/2"
20×25×3/4"	31.39	25	20.3	16.5	20.5	43.5	3/4"
25×32×1"	37.88	32	25.3	19.5	22.5	50	1"
32×25×1/2"	37.88	32	25.3	27	22	48	1/2"
32×25×3/4"	37.88	32	25.3	27	22	50	3/4"
32×40×3/4"	46.12	40	32.2	22.5	26.5	51	3/4"
32×40×1-1/4"	48	40	32.3	22.5	26.5	56.5	1-1/4"
40×32X1"	43.3	40	32.4	32.5	26.5	56.8	1"
40×50×1-1/2"	55.64	50	40.4	26.5	31.5	65.5	1-1/2"
50×40×1"	55.63	50	40.4	26.5	31.5	63.5	1"
50×40×1-1/4"	55.63	50	40.4	26.5	31.5	65.5	1-1/4"
63×50×1-1/2"	68.19	63	50.4	45	38	72	1-1/2"
63×50×2"	68.19	63	50.4	45	38	78	2"
75×63×2"	81.18	75	63.4	51.5	44	85	2"
75×63×2-1/2"	82	75	63	38.5	44	85	2-1/2"
75×90×3"	102.83	75.5	90	54	50	100	3"
90×75×2"	97.42	75.5	90	51.5	57	93.5	2"
110×90×3"	119.06	110	90.5	69.5	61.5	112.5	3"
110×125×3"	140.71	125	110.6	61.5	68.5	118	3"
125×110×4"	140.71	125	110.6	61.5	68.5	125	4"



ITEM NO:US6018

FEMALE ADAPTOR SPIGOT X FIPT

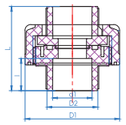
Nom Size	D	D1	d	L	H	Rc
20×1/2"	28.5	20	11.8	16.5	37.6	1/2"
20×3/4"	34	20	11.8	16.5	39.4	3/4"
25×1/2"	28.5	25	16.3	19.5	40.6	1/2"
25×3/4"	34	25	16.3	19.5	42.4	3/4"
25×1"	42.3	25	16.3	19.5	46.5	1"
32×3/4"	34	32	22	22.5	42	3/4"
32×1"	42.3	32	22	22.5	49.5	1"
40×1"	42.3	40	29	26.5	52	1"
40×1-1/4"	51.4	40	29	26.5	56	1-1/4"
40×1-1/2"	62.5	40	29	26.5	56	1-1/2"
50×1-1/4"	51.4	50	37.9	31.5	57.5	1-1/4"
50×1-1/2"	62.5	50	37.9	31.5	61	1-1/2"
50×2"	77.4	50	37.9	31.5	66	2"
63×1-1/2"	62.5	63	49	38.5	68	1-1/2"
63×2"	77.4	63	49	38.5	73	2"



ITEM NO:US6021

FEMALE ADAPTOR M/F

Nom Size	D	D1	d	L	H	Rc
25×20×3/4"	31.8	24.9	20.2	17	43	3/4"
32×25×3/4"	31.8	31.5	25.6	19.5	43	3/4"
40×32×1"	42.3	40	32.3	22.5	53	1"



ITEM NO:UD6N01

PVC PN16 UNION DIN

Nom Size	d1	D2	D1	I	L
20	20.2	26.1	48.5	16.5	43.2
25	25.2	31.9	59	19	47.4
32	32.22	39.7	67.4	22.5	54.8
40	40.24	48.6	78.2	26.5	63.8
50	50.17	59.4	92.8	31.5	74.7
63	63.33	74.1	113.4	38	90.5

PVC PN16 UNION BSPT

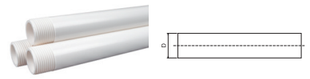
Nom Size	d1	D2	D1	I	L
1/2"	1/2"	27	48.5	15	40.6
3/4"	3/4"	33.3	59	15.5	41.9
1"	1"	40.6	67.4	18.5	49
1-1/4"	1-1/4"	50.2	78.2	20.5	53.3
1-1/2"	1-1/2"	57.1	92.8	23.2	58.3
2"	2"	70.7	113.4	28	67

PVC THREAD FITTINGS
(BS STANDARD)

PRESSURE

CE

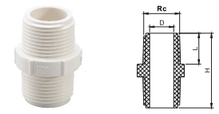
PVC THREAD FITTINGS (BS STANDARD)



ITEM NO:US4001

PIPE WITH TWO SIDES THREAD

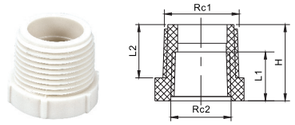
Nom Size			
1/2"×2.77	3/4"×2.87	1"×3.38	1-1/4"×3.56
1-1/2"×3.69	2"×3.91	4"×6.02	



ITEM NO:TPF001

NIPPLE M/M

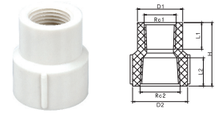
Nom Size	Rc	L	H	D
1/2"	1/2"	17	41	13.4
3/4"	3/4"	18.5	45	18.4
1"	1"	22.6	54.2	25.2
1-1/4"	1-1/4"	23	54	31.5
1-1/2"	1-1/2"	24	56	36.5
2"	2"	26	60.5	47.5
2-1/2"	2-1/2"	30	69	64
3"	3"	32	73.5	74.6
4"	4"	37.5	85	98.8



ITEM NO:TPF007

REDUCER M/F

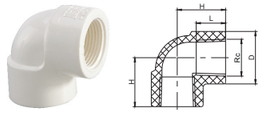
Nom Size	Rc1	Rc2	L1	L2	H
3/4"×1/2"	3/4"	1/2"	17	18.5	26.5
1"×1/2"	1"	1/2"	17	22.6	31
1"×3/4"	1"	3/4"	18.5	22.6	31.6
1-1/4"×3/4"	1-1/4"	3/4"	18.5	22.5	31.5
1-1/4"×1"	1-1/4"	1"	22	22.5	31.5
1-1/2"×3/4"	1-1/2"	3/4"	18.5	23	33
1-1/2"×1"	1-1/2"	1"	22	23	33
1-1/2"×1-1/4"	1-1/2"	1-1/4"	24.5	23	33
2"×3/4"	2"	3/4"	26	18.5	37
2"×1"	2"	1"	22	26	37
2"×1-1/4"	2"	1-1/4"	24.5	26	37
2"×1-1/2"	2"	1-1/2"	25	26	37
2-1/2"×3/4"	2-1/2"	3/4"	29	18.5	40
2-1/2"×1"	2-1/2"	1"	29	21	40
2-1/2"×1-1/2"	2-1/2"	1-1/2"	29	25	40
2-1/2"X2"	2-1/2"	2"	28	29	40
3"×2"	3"	2"	31	32	43
3"×2-1/2"	3"	2-1/2"	28	32	43
4"×2"	4"	2"	28	38	50
4"×3"	4"	3"	34	38	50



ITEM NO:TPF002

FEMALE REDUCING COUPLING F/F

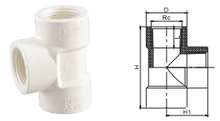
Nom Size	Rc1	Rc2	D1	D2	L1	L2	H
3/4"×1/2"	1/2"	3/4"	30	36.5	17.5	18.5	41.6
1"×1/2"	1/2"	1"	58	74.6	43.5	92.5	120
1"×3/4"	3/4"	1"	36.5	44	18.5	22	45.5
1-1/2"×3/4"	3/4"	1-1/2"	36.5	60.8	18.5	25	52.5
1-1/2"×1"	1"	1-1/2"	44	60.8	22	25	56



ITEM NO:TPF003

FEMALE ELBOW F/F

Nom Size	Rc	L	H	D
1/2"	1/2"	17	28	30
3/4"	3/4"	18.5	32.75	36.5
1"	1"	22	39.5	44
1-1/4"	1-1/4"	24	47	54.6
1-1/2"	1-1/2"	25	49	60.4
2"	2"	29	61.2	74
2-1/2"	2-1/2"	31.5	72	93.3
3"	3"	33	79.15	104.6
4"	4"	36.5	96.2	132.5



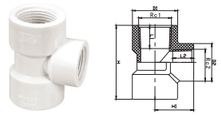
ITEM NO:TPF004

FEMALE TEE F/F/F

Nom Size	L	D	Rc	H	H1
1/2"	17	30	1/2"	56.6	28.4
3/4"	18.5	36.5	3/4"	65.5	32.8
1"	22.6	44	1"	87	44.5
1-1/4"	23.5	53.4	1-1/4"	94	47
1-1/2"	25	60.2	1-1/2"	99	49.5
2"	28	74	2"	120.4	60.2
2-1/2"	31.5	93.3	2-1/2"	144	72
3"	33	105.6	3"	158.3	79.15
4"	37.5	132.8	4"	194.4	97.2

Pressure

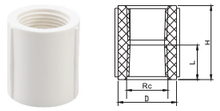
PVC THREAD FITTINGS (BS STANDARD)



ITEM NO:TPF005

FEMALE REDUCING TEE F/F/F

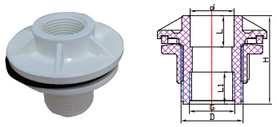
Nom Size	L1	L2	D1	D2	Rc1	Rc2	H	H1
3/4"×1/2"	18.5	17.1	36.5	30	3/4"	1/2"	59	109.8
1"×1/2"	51	91.8	58	74.6	1"	1/2"	120	152.4
1"×3/4"	22.6	18.5	44	36.5	1"	3/4"	72.3	37.2
1-1/2"×1/2"	25	17	60.8	30	1-1/2"	1/2"	79	45.5
1-1/2"×3/4"	25	18.5	60.8	36.5	1-1/2"	3/4"	85	49.5
1-1/2"×1"	25	22.6	60.8	44	1-1/2"	1"	93	54
2"×1/2"	28	17	74	30	2"	1/2"	86	53
2"×3/4"	28	18.5	74	36.5	2"	3/4"	92	57
2"×1"	28	22.6	74	44	2"	1"	98	61
2"×1-1/2"	28	25	74	60.8	2"	1-1/2"	103.8	58.1



ITEM NO:TPF006

FEMALE COUPLING F/F

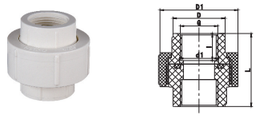
Nom Size	Rc	L	H	D
1/2"	1/2"	17.5	37.5	30
3/4"	3/4"	18.5	40.3	36.5
1"	1"	22	48.3	44
1-1/4"	1-1/4"	54.3	40.3	51.5
1-1/2"	1-1/2"	26.5	56	60.8
2"	2"	28	59	74.2
2-1/2"	2-1/2"	30	63	95.7
3"	3"	32	66	109.4
4"	4"	37.5	78	135.6



ITEM NO:TPF022

FLANGE ADAPTOR

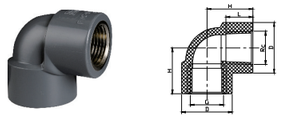
Nom Size	D	G	d	L	L1	H
1/2"	30	1/2"	20.2	16.5	16.5	60
3/4"	38	3/4"	25.2	18.5	17.5	62.2
1"	45	1"	32.3	22.5	23	64
1-1/4"	53	1-1/4"	40.3	21.6	26.5	64.2
1-1/2"	57.8	1-1/2"	50.4	31.5	24.5	67.2
2"	73	2"	63.4	37.5	28.5	67.5



ITEM NO:TPF015

FEMALE UNION

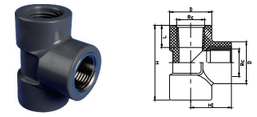
Nom Size	D1	D	G	d1	I	L
1/2"	48	30.2	1/2"	15	17	45.5
3/4"	55	36.8	3/4"	22	19	51.5
1"	64	44	1"	26	21	54.2
1-1/4"	77.5	52	1-1/4"	32.8	25.9	68.2
1-1/2"	86.5	59	1-1/2"	40	31.3	74.3
2"	101	72.8	2"	53.5	37.5	85.2



ITEM NO:TPF009

FEMALE ELBOW W/BRASS

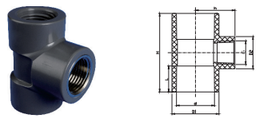
Nom Size	D	Rc	L	H
1/2"	32	1/2"	17	29



ITEM NO:TPF011

FEMALE TEE W/BRASS

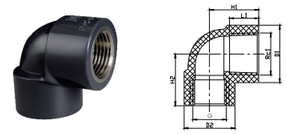
Nom Size	D	Rc	L	H	H1
1/2"	32	1/2"	17	57	31



ITEM NO:TPF021

BRASS FEMALE THREAD REDUCING TEE F/F/F

Nom Size	D1	D2	d	L	H	h	G
3/4"×1/2"	36	32	3/4	18.5	67	32.5	1/2"
1"×1/2"	44	32	1"	22.6	73	37.5	1/2"

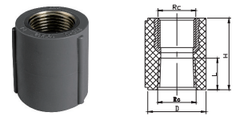


ITEM NO:TPF010

REDUCING ELBOW W/BRASS

Nom Size	D1	Rc1	D2	G	L1	H1	H2
3/4"×1/2"	36	3/4"	32	1/2"	18.5	31	32.5
1"×1/2"	44	1"	32	1/2"	22.6	37.5	32.6

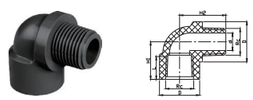
PVC THREAD FITTINGS (BS STANDARD)



ITEM NO:TPF013

FEMALE ADAPTOR W/BRASS

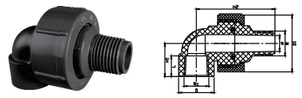
Nom Size	D	Rc	L	H
1/2"	32	1/2"	17	39.5
3/4"×1/2"	36	3/4"X1/2"	18	42.5



ITEM NO:TPF012

90°ELBOW M/F

Nom Size	D	R(Rc)	d	L	H1	H2
1/2"×1/2"	30	1/2"	13	17	28	34.5
3/4"	36.5	3/4"	18.4	18.5	32.75	39.55
1"	44	1"	22.6	22	39.5	46.8
1-1/4"	/	1-1/4"	/	/	/	/
1-1/2"	60.8	1-1/2"	36.6	25	51.5	59.4
2"	74	2"	47	28	61	69.5
2-1/2"	93.2	2-1/2"	58	31	72.5	82.5



ITEM NO:TPF014

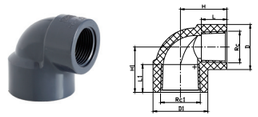
MALE ELBOW W/UNION

Nom Size	D	R(Rc)	d	L	H1	H2	D1
1/2"	30	1/2"	13.5	17	28	66.5	48
3/4"	25	3/4"	55	36	36.8	76.5	63

ITEM NO:TPF016

MF THREAD UNION

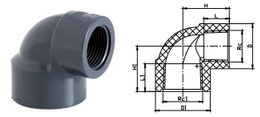
Nom Size	D1	D	R	d1	I	L
1/2"	48	30.2	1/2"	13.5	15	61
3/4"	55	36.8	3/4"	18	18	68
1"	55	45.5	1"	23	22	77



ITEM NO:TPF020

REDUCING FEMALE ELBOW

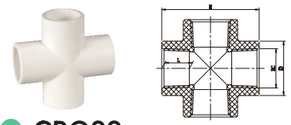
Nom Size	D	D1	L	L1	H	H1	R	R1
1/2"×3/4"	30	36.5	17	18.5	30.95	30.2	1/2"	3/4"
1"×3/4"	36.5	44	18.5	22	34.5	36.5	3/4"	1"



ITEM NO:TPF025

REDUCING 90° ELBOW FF

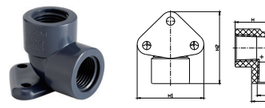
Nom Size	D	D1	L	L1	H	H1	R	R1
1-1/2"×3/4"	36.5	60.8	18.5	25	44.5	42.5	1-1/2"	3/4"
1-1/2"×1"	44	60.8	22.6	25	49	46.5	1-1/2"	1"



ITEM NO:TPF024

CROSS

Nom Size	Rc	D	L	H
1/2"	1/2"	36.5	18.5	65.5
3/4"	3/4"	30	17	56.6



ITEM NO:TPF018

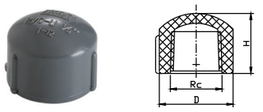
FEMALE THREAD ELBOW WITH EAR

Nom Size	D	L	H	H1	H2	Rc
1/2"	30	17	28	52.5	56.6	1/2"

ITEM NO:TPF019

REDUCING NIPPLE

Nom Size	D	D1	D2	L	L1	H	R	R1
1/2"×3/4"	13.4	18.4	32.2	17	18.5	43.5	1/2"	3/4"
1"×1/2"	13.4	22.3	40	17	21	47	1/2"	1"
1"×3/4"	18.4	22.6	40	18.5	21	48.5	3/4"	1"
1-1/4"×1"	22.6	31.4	47	21	22.5	52.5	1"	1-1/4"
1-1/2"×1-1/4"	31.4	36.6	53.5	22.5	23	55.5	1-1/4"	1-1/2"
2"×1-1/2"	36.6	47	/	23	26	59	1-1/2"	2"
2-1/2"×2"	47	60	/	26	29	65	2"	2-1/2"
3"×2"	47	70.6	/	26	32	68	2"	3"
3"×2-1/2"	60	70.6	/	29	32	71	2-1/2"	3"
4"×3"	70.6	93.4	/	32	40.5	80	3"	4"

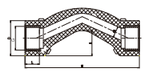


ITEM NO:TPF017

FEMALE THREAD CAP

Nom Size	D	H	Rc
1/2"	30	24.4	1/2"

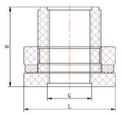
PVC THREAD FITTINGS (BS STANDARD)



ITEM NO:TPF023

BRASS FEMALE THREAD BRIDGE

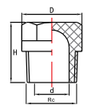
Nom Size	G	D	L	H	d1	A
3/4"	3/4"	39.1	16	127.3	12.5	28



ITEM NO:TPF026

TANK CONNECTOR F/M

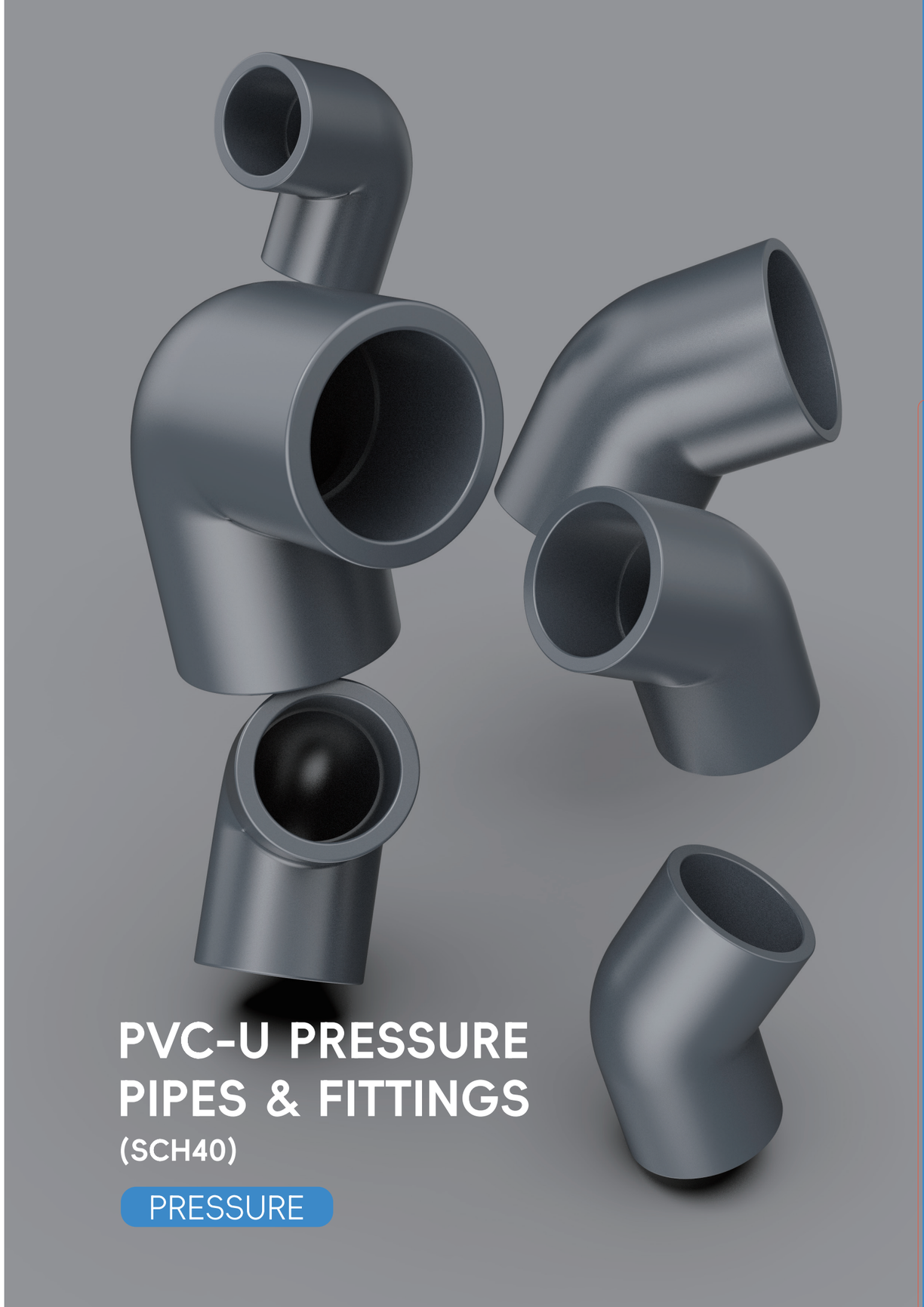
Nom Size	L	H	G
3/4"	54.8	48	3/4"



ITEM NO:TPF008

THREAD PLUG

Nom Size	D	d	Rc	H
1/2"	24	13	1/2"	26.5
3/4"	31	17.8	3/4"	31
1"	39.2	23	1"	37.5
1-1/4"	43.3	31.5	1-1/4"	36
1-1/2"	50	36.5	1-1/2"	38.5
2"	57	47.5	2"	43
2-1/2"	82	60	2-1/2"	52.5
3"	94	70.6	3"	57.5
4"	120	93.4	4"	63.5



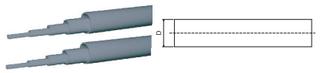
PVC-U PRESSURE PIPES & FITTINGS

(SCH40)

PRESSURE

Pressure

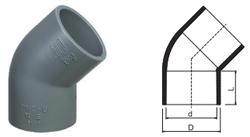
PVC PRESSURE PIPES & FITTINGS (SCH40) ASTM D2466



ITEM NO:US4001

PRESSURE PIPES

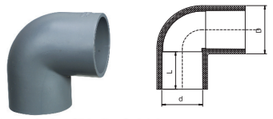
Nom Size	Outer Dia	Wall Thickness
1/2"	21.34	2.77
3/4"	26.67	2.87
1"	33.4	3.38
1-1/4"	42.16	3.56
1-1/2"	48.26	3.68
2"	60.33	3.91
2-1/2"	73.03	5.16
3"	88.9	5.49
4"	114.3	6.02
6"	168.3	7.11
8"	219.08	8.18
10"	273.05	9.27
12"	323.85	10.31



ITEM NO:US4E01

45°ELBOW

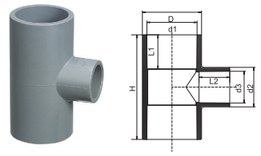
Nom Size	D	d	L
1/2"	27.5	21.34	19
3/4"	33.5	26.67	24.1
1"	40.8	33.4	27.5
1-1/4"	50.1	42.16	29
1-1/2"	56.6	48.26	34
2"	69	60.33	40
2-1/2"	84.4	73.03	45
3"	100.9	88.9	48
4"	127.3	114.3	54
6"	183.6	168.3	76.7
8"	247.2	216.08	102.6
10"	305.9	273.05	128
12"	361.5	323.85	153.5



ITEM NO:US4E02

90°ELBOW

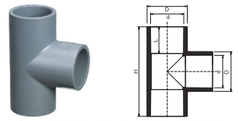
Nom Size	D	d	L
1/2"	27.5	21.34	19
3/4"	33.5	26.67	25.6
1"	40.5	33.4	27.5
1-1/4"	50.1	42.16	29
1-1/2"	56.6	48.26	34
2"	69	60.33	40
2-1/2"	84.4	73.03	45
3"	100.9	88.9	48
4"	127.3	114.3	57.5
6"	183.6	168.3	76.7
8"	247.2	219.08	102.6
10"	305.9	273.05	128
12"	361.5	323.85	153.5



ITEM NO:US4T02

REDUCING TEE

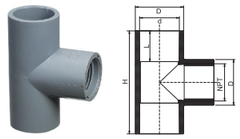
Nom Size	D	d1	d2	d3	L1	L2	H
3/4"×1/2"	33.8	26.67	28.0	21.34	26	19	77.8
1"×1/2"	40.9	33.4	27.5	21.34	27.5	19	80.3
1"×3/4"	40.9	33.4	33.5	26.67	27.5	26	86.0
1-1/4"×1/2"	50.1	42.16	27.5	21.34	29	19	83.3
1-1/4 "×3/4 "50.1		42.16	33.7	26.67	29	26	88.6
1-1/4"×1"	50.1	42.16	40.9	33.4	29	27.5	95.6
1-1/2"×1/2"	56.6	48.26	27.5	21.34	34	19	93.3
1-1/2"×3/4"	56.6	48.26	33.5	26.67	34	26	99
1-1/2"×1"	56.6	48.26	40.9	33.4	34	27.5	105.1
1-1/2"×1-1/4"	56.6	48.26	50.1	42.16	34	29	114
2"×1/2"	69	60.33	27.5	21.34	40	19	105.3
2"×3/4"	69	60.33	33.5	26.67	40	26	110.6
2"×1"	69	60.33	40.9	33.4	40	27.5	117.5
2"×1-1/4"	69	60.33	50.1	42.16	40	29	125.8
2"×1-1/2"	69	60.33	56.6	48.26	40	34	131.9



ITEM NO:US4T01

STRAIGHT TEE

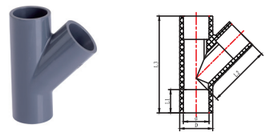
Nom Size	D	d	L	H
1/2"	27.9	21.34	19	63.7
3/4"	33.5	26.67	26	83.1
1"	40.8	33.4	27.5	92.1
1-1/4"	50.1	42.16	29	104
1-1/2"	56.6	48.26	34	120
2"	69	60.33	40	143.5
2-1/2"	84.4	73.03	45	168.2
3"	100.9	88.9	48	190
4"	127.3	114.3	54	230.5
6"	183.6	168.3	76.7	332
8"	247.2	219.08	102.6	445
10"	305.9	273.05	128	556
12"	361.5	323.85	153.5	663



ITEM NO:US4T04

FEMALE TEE

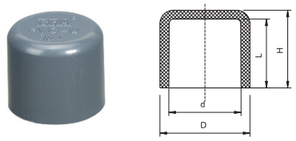
Nom Size	D	d	L	H	NPT
1/2"	27.5	21.34	19	63.3	1/2"
3/4"	33.5	26.67	26	83	3/4"
1"	40.9	33.4	27.5	92.1	1"
1-1/4"	50.1	42.16	29	101.4	1-1/4"
1-1/2"	56.6	48.26	34	117.5	1-1/2"
2"	69	60.33	40	142	2"



ITEM NO:US4T03

SKEW TEE

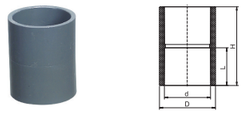
Nom Size	D	d	L1	L2	L3
1/2"	27.54	21.54	19.5	52.99	81
3/4"	33.47	26.87	26	62.05	94
1"	40.8	133.65	27.5	72.4	114



ITEM NO:US4016

END PLUG

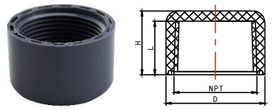
Nom Size	D	d	L	H
1/2"	27.5	21.34	19	22
3/4"	34	26.67	26	30
1"	40.9	33.4	27.5	30.9
1-1/4"	50.1	42.16	29.6	33.4
1-1/2"	56.6	48.26	34	38.6
2"	69	60.33	40.5	44.5
2-1/2"	84.4	73.4	45	51.8
3"	101.3	88.9	49.5	57.2
4"	128	114.3	54	61.6
6"	184.4	168.3	80	89
8"	246.7	219.08	102.5	133.9
10"	305.9	273.8	128	164.3
12"	361.5	324.6	153.5	199.3



ITEM NO:US4003

COUPLING

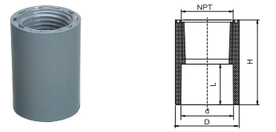
Nom Size	D	d	H	L
1/2"	27.5	21.34	40.7	19
3/4"	33.5	26.67	55.1	26
1"	40.9	33.4	57.4	27.5
1-1/4"	50.1	42.16	60.4	29
1-1/2"	56.6	48.26	70.4	34
2"	69	60.33	82.4	40
2-1/2"	84.4	73.03	94.8	45
3"	100.9	88.9	100.8	48
4"	127.3	114.3	112.8	54
6"	183.6	168.3	159.8	76.7
8"	247.2	219.08	212	102.6
10"	305.9	273.05	263	128
12"	361.5	323.85	317	153.5



ITEM NO:US4F01

FEMALE PLUG

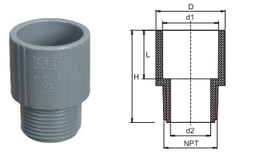
Nom Size	D	NPT	L	H
1/2"	27.5	1/2"	19	23
3/4"	33.5	3/4"	21.5	25.8
1"	40.9	1"	26.5	31.7
1-1/4"	50.1	1-1/4"	27.1	32.3
1-1/2"	56.6	1-1/2"	27.6	33.1
2"	69	2"	27.6	33.1



ITEM NO:US4011

FEMALE ADAPTOR

Nom Size	D	d	H	L	NPT
1/2"	27.5	21.34	40.4	19	1/2"
3/4"	33.5	26.67	49.9	26	3/4"
1"	40.9	33.4	57.4	27.5	1"
1-1/4"	50.1	42.16	60.4	29	1-1/4"
1-1/2"	56.6	48.26	64.4	34	1-1/2"
2"	69	60.33	71.1	40	2"
2-1/2"	84.4	73.03	82.8	45	2-1/2"
3"	100.9	88.9	95.4	48	3"
4"	127.3	114.3	103.3	54	4"
6"	183.6	168.3	131.1	76.7	6"

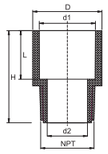


ITEM NO:US4012

MALE ADAPTOR

Nom Size	D	d1	d2	NPT	H	L
1/2"	27.5	21.34	13	1/2"	40.8	19.7
3/4"	33.4	26.67	18.5	3/4"	43.3	20
1"	41.3	33.4	24	1"	55	29
1-1/4"	50.7	42.16	30.2	1-1/4"	59.9	29.5
1-1/2"	57.2	48.26	35.9	1-1/2"	65.6	34
2"	69.6	60.33	48.6	2"	72.6	40.9
2-1/2"	84.4	73.03	55.5	2-1/2"	82.5	45
3"	100.9	88.9	70.7	3"	94.8	48
4"	127.3	114.3	94.9	4"	103.8	54
6"	183.6	168.3	146.4	6"	131.1	76.7

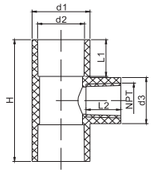
PVC PRESSURE PIPES & FITTINGS (SCH40) ASTM D2466



ITEM NO:US4017

REDUCING MALE ADAPTOR

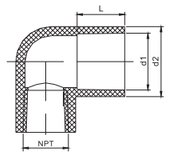
Nom Size	D	d	d1	NPT	L	H
3/4"×1/2"	33.4	26.85	13	1/2"	20	42.3



ITEM NO:US4T06

REDUCING FEMALE TEE

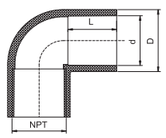
Nom Size	H	L1	L2	NPT	d1	d2	d3
3/4"×1/2"	74	22.3	20	1/2"	33.3	27	28



ITEM NO:US4E07

FEMALE ELBOW SHORT

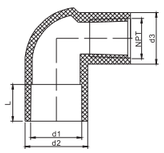
Nom Size	d1	d2	L	NPT
3/4"×1/2"	27	33.3	22.3	1/2"



ITEM NO:US4E04

FEMALE ELBOW

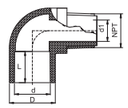
Nom Size	D	d	L	NPT
1/2"	27.8	21.34	19	1/2"
3/4"	33.8	26.67	26	3/4"
1"	40.9	33.4	27.5	1"
1-1/4"	50.1	42.16	29	1-1/4"
1-1/2"	56.6	48.26	34	1-1/2"
2"	69	60.33	40	2"



ITEM NO:US4E06

FEMALE ELBOW LONG

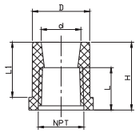
Nom Size	NPT	d1	d2	d3	L
3/4"×1/2"	1/2"	27.5	33	19.6	27



ITEM NO:US4E05

MALE THREAD ELBOW

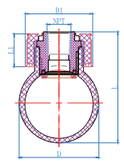
Nom Size	D	d	d1	L	NPT
1/2"	27.5	21.34	13	19	1/2"
1"	41	33.7	24	27.5	1"
1-1/4"	50.1	42.5	30	29	1-1/4"
1-1/2"	56.6	48.6	35	34	1-1/2"
2"	69	60.6	48.2	40	2"
3/4"	33.47	26.87	18.5	20	3/4"



ITEM NO:US4015

FEMALE REDUCING RING

Nom Size	D	d	NPT	H	L	L1
1/2"×3/8"	21.23	15.61	3/8"	24.4	13.5	18.4
3/4"×1/2"	26.6	18.5	1/2"	32	20	26
1"×1/2"	33.27	26.8	1/2"	34.1	20	27.5
1"×3/4"	33.27	26.8	3/4"	34.1	20	27.5
1-1/4"×1/2"	42.1	/	1/2"	36	18	29
1-1/4"×3/4"	42.1	/	3/4"	36	21	29
1-1/4"×1"	42	34.84	1"	36	24	29
1-1/2"×1/2"	48	40.1	1/2"	41	20	34
1-1/2"×3/4"	48.1	/	3/4"	41	21	34
1-1/2"×1"	48.1	40.1	1"	41	24	34
1-1/2"×1-1/4"	48.1	/	1-1/4	41	26.5	34
2"×1/2"	60.17	51.77	1/2"	47.5	20	40
2"×3/4"	60.17	51.77	3/4"	47.5	21.5	40
2"×1"	60.17	51.77	1"	47.5	23	40
2"×1-1/4"	60.17	51.77	1-1/4"	47.5	25	40
2"×1-1/2"	60.17	51.77	1-1/2"	47.5	25.5	40

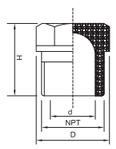


ITEM NO:US4017

PVC SADDLES

Nom Size	D	d	L	L1	D1	NPT
2"×1/2"	70.8	59.8	98.6	29.2	50	1/2"
3"×1/2"	99	59.8	127.8	29.2	60.2	1/2"
4"×1/2"	125.8	59.8	154.9	29.2	60.2	1/2"
2"×3/4"	70.8	59.8	98.6	29.2	50	3/4"
3"×3/4"	99	59.8	127.8	29.2	60.2	3/4"
4"×3/4"	125.8	59.8	154.9	29.2	60.2	3/4"

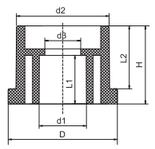
ASTM D2466 PVC PRESSURE PIPES & FITTINGS (SCH40)



ITEM NO:US4010

THREAD PLUG

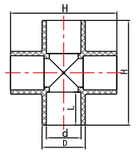
Nom Size	D	d	NPT	H
1/2"	24	13	1/2"	28
3/4"	31	17.8	3/4"	31
1"	39.2	23	1"	37.5
1-1/4"	48.4	30	1-1/4"	26.5
1-1/2"	51	35	1-1/2"	30
2"	62.8	48.2	2"	30.5



ITEM NO:US4005

REDUCING RING

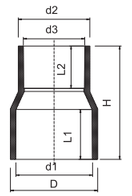
Nom Size	D	d1	d2	d3	H	L1	L2
3/4"×1/2"	31.9	21.34	26.67	18.5	32.6	22.4	26
1"×1/2"	40.3	21.34	33.4	16.3	34.1	22.4	27.2
1"×3/4"	40.8	26.67	33.4	20.6	34.1	25.8	27.5
1-1/4"×1/2"	48.8	21.34	42.16	16.3	36	22.4	28.7
1-1/4"×3/4"	48.9	26.67	42.16	20.6	36	25.8	28.7
1-1/4"×1"	48.9	33.4	42.16	26.9	36	27.5	28.7
1-1/2"×1/2"	55.5	21.34	48.26	16.3	40.8	22.4	33.5
1-1/2"×3/4"	55.5	26.67	48.26	20.6	40.8	25.8	33.5
1-1/2"×1"	55.5	33.4	48.26	26.9	40.8	27	33.4
1-1/2"×1-1/4"	56.6	42.16	48.26	41.0	41.0	29	34
2"×1/2"	68.4	21.34	60.33	16.3	47.4	22	39.6
2"×3/4"	68.4	26.67	60.33	20.6	47.4	25.8	39.6
2"×1"	68.4	33.4	60.33	27.3	47.4	27	39.6
2"×1-1/4"	68.4	42.16	60.33	35.1	47.4	29	39.6
2"×1-1/2"	68.4.	48.26	60.33	47	47.5	34	39.6
3"×1-1/2"	108.6	48.26	88.9	43	58	34	50
3"×2"	104	60.33	88.9	55	58	40	50
4"×2"	138	60.33	114.3	55	54	40	45
4"×3"	131	89.5	114.15	84.7	48	46	45
6"×3"	190	89.5	168	84.7	80	48	69
6"×4"	199	114.3	168.3	108	80	54	69



ITEM NO:US4C01

CROSS

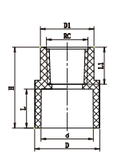
Nom Size	D	d	L	H
1/2"	27.5	21.34	18.6	62
3/4"	33.5	26.67	26	82.2
1"	40.9	33.4	27.5	93.5
1-1/4"	50.1	42.16	29	104.8
1-1/2"	56.6	48.26	34	120.9
2"	69	60.33	40	146.92
3"	100.9	89.3	48	190
4"	127.3	114.7	54	227.8



ITEM NO:US4004

REDUCING COUPLING

Nom Size	D	d1	d2	d3	H	L1	L2
3/4"×1/2"	33.5	26.67	27.5	21.34	53.9	26	18.5
1"×1/2"	40.9	33.4	27.5	21.34	53.7	27.5	19
1"×3/4"	40.9	33.4	33.5	26.67	63.9	27.5	25.3
1-1/4"×3/4"	50.1	42.16	33.5	26.67	64.4	29	26
1-1/4"×1"	50.1	42.16	40.9	33.4	67.4	29	27.5
1-1/2"×1/2"	56.6	48.26	27.5	21.34	65.4	34	19
1-1/2"×3/4"	56.6	48.26	33.5	26.67	72.4	34	26
1-1/2"×1"	56.6	48.26	40.9	33.4	73.9	34	27.5
1-1/2"×1-1/4"	56.6	48.26	50.1	42.16	74.4	34	29
2"×3/4"	69	60.33	33.5	26.67	82.9	40	26
2"×1"	69	60.33	40.9	33.4	84.4	40	27.5
2"×1-1/4"	69	60.33	50.1	42.16	85.9	40	29
2"×1-1/2"	69	60.33	56.6	48.26	90.9	40	34
3"×2"	69	89.3	69	60.6	107.7	48	40
4"×3"	127.3	114.95	100.9	89.5	125	55.43	50.23

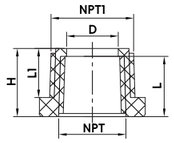


ITEM NO:US4R01

REDUCING FEMALE ADAPTOR

Nom Size	d	RC	D	D1	L	L1	H
3/4"×1/2"	26.85	1/2"	33.4	27.5	20	19	41.5

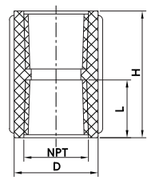
PVC PRESSURE PIPES & FITTINGS (SCH40) ASTM D2466



ITEM NO:US4F002

BUSHING MIP X FIP

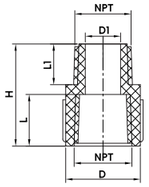
Nom Size	D	NPT	NPT1	H	L1	L2
3/4"×1/2"	16.3	1/2"	3/4"	21.5	19	15.5
1"×1/2"	21.5	1/2"	1"	25.6	19	19
1"×3/4"	20.6	3/4"	1"	25.6	21.5	19
1-1/4"×3/4"	29.55	3/4"	1-1/4"	26.3	21.5	19.5
1-1/4"×1"	27	1"	1-1/4"	28.8	24	22
1-1/2"×3/4"	35.8	3/4"	1-1/2"	29	21.5	22
1-1/2"×1"	27	1"	1-1/2"	29	24	22
1-1/2"×1-1/4"	35.8	1-1/4"	1-1/2"	29	25	22
2"×1/2"	46.8	1/2"	2"	30	19	22.5
2"×1-1/2"	41.8	1-1/2"	2"	30	25.5	22.5



ITEM NO:US4C002

COUPLING FIP X FIP

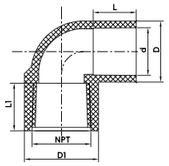
Nom Size	D	NPT	L	H
1/2"	27.5	1/2"	19	41.6
3/4"	33.45	3/4"	21.5	46.9
1"	40.85	1"	26.5	57.3



ITEM NO:US4C003

COUPLING FIP X MIP

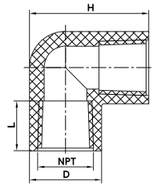
Nom Size	D	D1	NPT	H	L	L1
1/2"	27.5	13	1/2"	37.6	19	15
3/4"	33.45	18.5	3/4"	40.9	21.5	15.5



ITEM NO:US4EF01

FEMALE THREAD ELBOW LONG

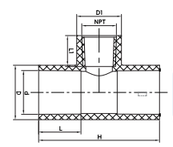
Nom Size	d	D	D1	NPT	L	L1
1/2"×3/4"	21.54	27.54	33.45	3/4"	19.5	21.5
1"×1/2"	33.65	40.8	27.5	1/2"	27.5	19
1"×3/4"	33.65	40.8	33.45	3/4"	27.5	21.5



ITEM NO:US4EF02

90°DEGREE ELBOW FIP X FIP

Nom Size	D	NPT	L	H
1/2"	27.5	1/2"	19	45.45
3/4"	33.45	3/4"	21.5	52.53

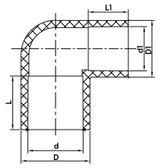


ITEM NO:US4TF01

FEMALE TEE, SLIP X SLIP X FIP

Nom Size	d	D	D1	NPT	L	L1	H
3/4"×1/2"	26.87	33.47	27.5	1/2"	126	19	74.2
1-1/4"×1/2"	42.5	50.1	27.5	1/2"	29	19	80.2
1-1/4"×3/4"	42.5	50.1	33.45	3/4"	29	21.5	85.5
1-1/2"×3/4"	48.55	56.56	33.45	3/4"	34	21.5	95.4
1-1/2"×1"	48.55	56.56	40.85	1"	34	26.5	101.1
2"×1/2"	60.6	69	27.5	1/2"	40	19	102.2
2"×3/4"	60.6	69	33.45	3/4"	40	21.5	108.4
2"×1"	60.6	69	40.85	1"	40	26.5	114.1

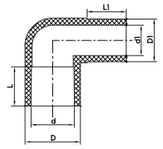
ASTM D2466 PVC PRESSURE PIPES & FITTINGS (SCH40)



ITEM NO:US4RE01

90°DEGREE REDUCING ELBOW

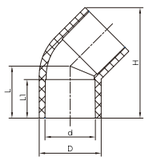
Nom Size	d	d1	D	D1	L	L1
3/4"×1/2"	26.87	21.54	33.47	27.54	26	19.5
1"×1/2"	33.65	21.54	40.8	27.54	27.5	19.5
1"×3/4"	33.65	26.87	40.8	33.47	27.5	26
1-1/4"×1"	42.5	33.65	50.1	40.8	29	27.5



ITEM NO:US4RE02

90°DEGREE STRAIGHT ELBOW

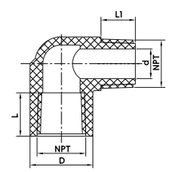
Nom Size	d	d1	D	D1	L	L1
1/2"	21.54	15.2	27.54	21.24	19.5	19.5
3/4"	26.87	20	33.47	26.57	26	26
1"	33.65	26.1	40.8	33.27	27.5	27.5
1-1/4"	42.5	34.4	50.1	42.02	29	29
1-1/2"	48.55	40.1	56.56	48.11	34	34
2"	60.6	51.8	69	60.18	40	40



ITEM NO:USII4E01

45°ELBOW

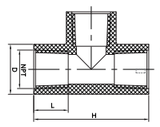
Nom Size	D	d	L	L1	H
1/2"	26.5	21.5	22.3	16.5	47.2
3/4"	32.2	26.9	25.4	18.5	54.6
1"	39.6	33.7	29.8	21	64.7
1-1/4"	49.1	42.5	33.9	23	75.1
1-1/2"	55.8	48.6	39.3	27	86.6
2"	67.8	60.6	43.1	28.5	97.4
2-1/2"	82.6	73.53	51.8	34.3	117.43
3"	99.1	89.5	58	36.5	133.84
4"	125.1	114.95	67.4	41	159.08



ITEM NO:US4RE03

90°DEGREE STRAIGT ELBOW MIP X FIP

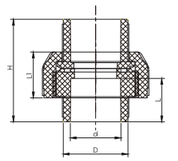
Nom Size	d	D	NPT	L	L1
1/2"	13	27.5	1/2"	19	15
3/4"	18.5	33.45	3/4"	21.5	15.5
1"	24	40.85	1"	26.5	19



ITEM NO:US4TF02

TEE FIP X FIP X FIP

Nom Size	D	NPT	L	H
1/2"	27.5	1/2"	19	63.4
3/4"	33.45	3/4"	21.5	71.6

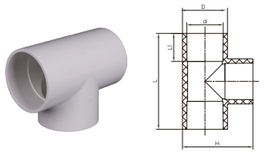


ITEM NO:US4U001

PVC SCH40 UNION

Nom Size	d	D	L	L1	H
1/2"	21.54	27.54	18.5	19.5	43.7
3/4"	26.87	33.47	19.5	20	46.2
1"	33.65	40.8	23.5	20.8	54.7
1-1/4"	42.5	50.1	25	23.1	58
1-1/2"	48.55	56.56	29	23.2	68.9
2"	60.63	69	30.5	27.4	71.4

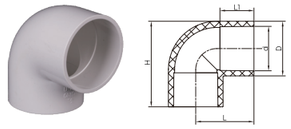
PVC PRESSURE FITTINGS TYPE II (SCH40) ASTM D2466



ITEM NO:USII4T01

STRAIGHT TEE

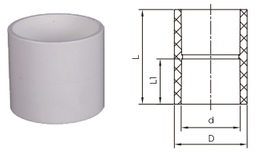
Nom Size	D	d	L	L1	H
1/2"	26.5	21.5	56.5	16.5	41.5
3/4"	32.2	26.9	66	18.5	49.1
1"	39.6	33.7	78.8	21	59.2
1-1/4"	49.1	42.5	91.7	23	70.4
1-1/2"	55.8	48.6	106.4	27	81.1
2"	67.8	60.6	120.6	28.5	94.2
2-1/2"	82.6	73.53	34.3	146.8	115.6
3"	99.1	89.5	36.5	167	133.95
4"	125.1	114.95	41	201.8	164.05



ITEM NO:USII4E02

90°ELBOW

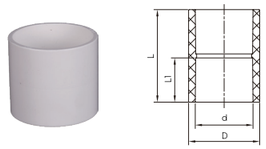
Nom Size	D	d	L	L1	H
1/2"	26.5	21.5	28.3	16.5	41.5
3/4"	32.2	26.9	33	18.5	49.1
1"	39.6	33.7	39.4	21	59.2
1-1/4"	49.1	42.5	45.9	23	70.4
1-1/2"	55.8	48.6	53.2	27	81.1
2"	67.8	60.6	60.3	28.5	94.2
2-1/2"	82.6	73.53	73.4	34.3	114.7
3"	99.1	89.5	83.5	36.5	113.05
4"	125.1	114.95	100.9	41	163.45



ITEM NO:USII4003

COUPLING

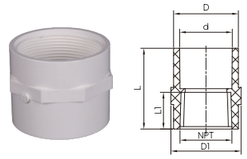
Nom Size	D	d	L	L1
1/2"	26.5	21.5	19.5	16.5
3/4"	32.2	26.9	21.6	18.5
1"	39.6	33.7	24.4	21
1-1/4"	49.1	42.5	27.2	23
1-1/2"	55.8	48.6	31.2	27
2"	67.8	60.6	33.1	28.5
2-1/2"	82.6	73.53	73.4	34.3
3"	99.1	89.5	77.8	36.5
4"	125.1	114.95	86.8	41



ITEM NO: USII4003

COUPLING

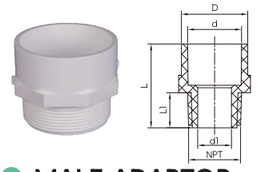
Nom Size	D	d	L	L1
1/2"	26.5	21.5	19.5	16.5
3/4"	32.2	26.9	21.6	18.5
1"	39.6	33.7	24.4	21
1-1/4"	49.1	42.5	27.2	23
1-1/2"	55.8	48.6	31.2	27
2"	67.8	60.6	33.1	28.5
2-1/2"	82.6	73.53	73.4	34.3
3"	99.1	89.5	77.8	36.5
4"	125.1	114.95	86.8	41



ITEM NO:USII4011

FEMALE ADAPTOR

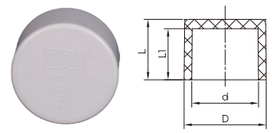
Nom Size	D	d	L	L1	D1	NPT
1/2"	26.5	21.5	33	15	28.7	1/2"
3/4"	32.2	26.9	36	16	34.9	3/4"
1"	39.6	33.7	42.5	19.5	42.9	1"
1-1/4"	49.1	42.5	46.5	21	53.2	1-1/4"
1-1/2"	55.8	48.6	51.5	22	60.4	1-1/2"
2"	67.8	60.6	55	24	73.4	2"
2-1/2"	82.6	73.53	71	31.9	82.6	2-1/2"
3"	99.1	89.5	74.8	33.5	99.1	3"
4"	125.1	114.95	81.9	36.1	125.1	4"



ITEM NO:USII4012

MALE ADAPTOR

Nom Size	D	d	L	L1	D1	NPT
1/2"	26.5	21.5	33.5	14	13.5	1/2"
3/4"	32.2	26.9	36.6	15	18	3/4"
1"	39.6	33.7	43.4	19	23	1"
1-1/4"	49.1	42.5	47.2	20	32.4	1-1/4"
1-1/2"	55.8	48.6	52.2	21	38	1-1/2"
2"	67.8	60.6	56.1	23	49.4	2"
2-1/2"	80.8	73.53	70.7	30.9	59.3	2-1/2"
3"	97.7	89.5	74.8	32.5	74.1	3"
4"	123	114.95	82.4	35.1	99.5	4"



ITEM NO:USII4016

END PLUG

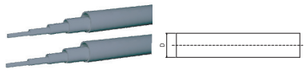
Nom Size	D	d	L	L1
1/2"	26.5	21.5	19.5	16.5
3/4"	32.2	26.9	21.6	18.5
1"	39.6	33.7	24.4	21
1-1/4"	49.1	42.5	27.2	23
1-1/2"	55.8	48.6	31.2	27
2"	67.8	60.6	33.1	28.5
2-1/2"	82.6	73.53	40.2	34.3
3"	99.11	89.5	42.2	36.5
4"	125.56	114.95	47.4	41

PVC PRESSURE PIPES AND FITTINGS

(SCH80)

PRESSURE

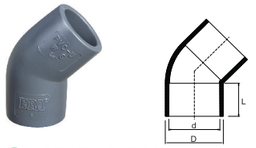
ASTM D2467 PVC PRESSURE PIPES & FITTINGS (SCH80)



ITEM NO:US8001

PRESSURE PIPES

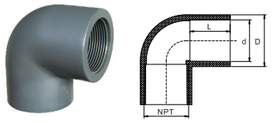
Nom Size	Outer Dia	Wall Thickness
1/2"	21.34	3.73
3/4"	26.67	3.91
1"	33.4	4.55
1-1/4"	42.16	4.85
1-1/2"	48.26	5.08
2"	60.33	5.54
2-1/2"	73.03	7.01
3"	88.9	7.62
4"	114.3	8.56
5"	141.3	9.52
6"	168.3	10.97
8"	219.08	12.7
10"	273.1	15.06
12"	323.9	17.45



ITEM NO:US8E01

45°ELBOW

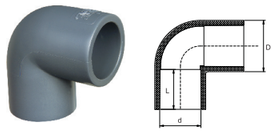
Nom Size	D	d	L
1/2"	29.3	21.34	22.7
3/4"	35.1	26.67	25.9
1"	43.1	33.4	29.1
1-1/4"	52.4	42.16	32.3
1-1/2"	59	48.26	35.4
2"	72.5	60.33	38.6
2-1/2"	87.8	73.03	45
3"	104.9	88.9	48.1
4"	132.4	114.3	57.6
6"	191.2	168.3	76.7
8"	247.2	216.08	102.6
10"	305.9	273.05	128
12"	361.5	323.85	153.5



ITEM NO:US8E04

FEMALE ELBOW

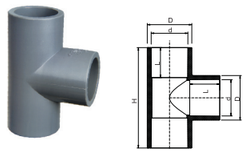
Nom Size	D	d	L	NPT
1/2"	32.5	21.34	22.7	1/2"
3/4"	38.1	26.67	25.9	3/4"
1"	46	33.4	29.1	1"
1-1/4"	55.9	42.16	32.3	1-1/4"
1-1/2"	63.5	48.26	35.4	1-1/2"
2"	76.2	60.33	38.6	2"



ITEM NO:US8E02

90°ELBOW

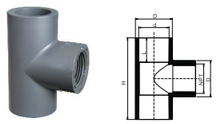
Nom Size	D	d	L
1/2"	29.8	21.34	22.7
3/4"	35.6	26.67	25.9
1"	43.1	33.4	29.1
1-1/4"	52.4	42.16	32.3
1-1/2"	59	48.26	35.4
2"	72	60.33	38.6
2-1/2"	87.8	73.03	45
3"	104.9	88.9	48.1
4"	132.4	114.3	56.6
6"	190.9	168.3	76.7
8"	247.2	219.08	102.6
10"	305.9	273.05	128
12"	361.5	323.85	153.5



ITEM NO:US8T01

STRAIGHT TEE

Nom Size	D	d	L	H
1/2"	29.3	21.34	22.4	70.8
3/4"	35.4	26.67	25.9	82.4
1"	43.1	33.4	29.1	97.6
1-1/4"	52.4	42.16	32.3	110.9
1-1/2"	59	48.26	35.4	122.7
2"	72	60.33	38.6	142.7
2-1/2"	87.8	73.03	45	168.2
3"	104.9	88.9	48.1	190.2
4"	132.4	114.3	57.6	235.6
6"	191.2	168.3	76.7	333.2
8"	247.2	219.08	102.6	445
10"	305.9	273.05	128	556
12"	361.5	323.85	153.5	663



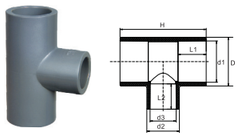
ITEM NO:US8T04

FEMALE TEE

Nom Size	D	d	L	H	NPT
1/2"	32.5	21.34	22.7	70.8	1/2"
3/4"	38.1	26.67	25.9	82.5	3/4"
1"	46	33.4	29.1	97.4	1"

PVC SCH80 PIPES & FITTINGS

ASTM D2467



ITEM NO:US8T02

REDUCING TEE

Nom Size	D	d1	d2	d3	L1	L2	H
3/4"×1/2"	35.5	26.67	30	21.34	25.9	22.7	79.1
1"×1/2"	43.1	33.4	29.3	21.34	29.1	22.7	80.5
1"×3/4"	43.1	33.4	35.1	26.67	29.1	25.9	91
1-1/4"×1/2"	52.4	42.16	29.3	21.34	32.3	22.7	92.2
1-1/4"×3/4"	52.4	42.16	35.1	26.67	32.3	25.9	97.3
1-1/4"×1"	52.4	42.16	43.1	33.4	32.3	29.1	105.8
1-1/2"×1/2"	59	48.26	29.3	21.34	35.4	22.7	97.6
1-1/2"×3/4"	59	48.26	35.1	26.67	35.4	25.9	103.7
1-1/2"×1"	59	48.26	43.1	33.4	35.4	29.1	110.5
1-1/2"×1-1/4"	59	48.26	52.4	42.16	35.4	32.3	118.9
2"×1/2"	72	60.33	29.3	21.34	38.6	22.7	104.7
2"×3/4"	72	60.33	35.1	26.67	38.6	25.9	109.7
2"×1"	72	60.33	43.1	33.4	38.6	29.1	115.9
2"×1-1/4"	72	60.33	52.4	42.16	38.6	32.3	124.6
2"×1-1/2"	72	60.33	59	48.26	38.6	35.4	131.6

ITEM NO:US8003

COUPLING

Nom Size	D	d	H	L
1/2"	29.3	21.34	48.8	22.7
3/4"	35.1	26.67	55.2	26.0
1"	43.1	33.4	61.6	29.1
1-1/4"	52.4	42.16	67.4	32.3
1-1/2"	59	48.26	74.3	35.4
2"	72	60.33	80.1	38.6
2-1/2"	87.8	73.03	95.3	45
3"	104.9	88.9	101	48.1
4"	132.4	114.3	120.5	57.4
6"	191.2	168.3	160.3	76.7
8"	247.2	219.08	212	102.6
10"	305.9	273.05	263	128
12"	361.5	323.85	317	153.5

ITEM NO:US8011

FEMALE ADAPTOR

Nom Size	D	d	H	L	NPT
1/2"	32.5	21.34	45.7	22.7	1/2"
3/4"	38.1	26.67	54.8	25.9	3/4"
1"	46	33.4	58.7	29.1	1"
1-1/4"	55.9	42.16	64.3	32.3	1-1/4"
1-1/2"	63.5	48.26	70.9	35.4	1-1/2"
2"	76.2	60.33	74.6	38.6	2"
2-1/2"	87.8	73.03	92.3	45	2-1/2"
3"	104.9	88.9	97.9	48.1	3"
4"	132.4	114.3	109.9	57.6	4"
6"	191.2	168.3	135.6	76.7	6"
8"	247.2	219.08	167	102.6	8"
10"	305.9	273.05	198	128	10"
12"	361.5	323.85	231.5	153.5	12"

ITEM NO:US8004

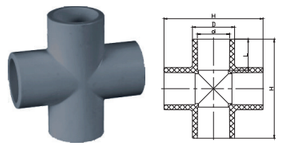
REDUCING COUPLING

Nom Size	D	d1	d2	d3	H	L1	L2
3/4"×1/2"	35.1	26.67	29.3	21.34	57.5	25.9	22.7
1"×1/2"	43.4	33.4	29.8	21.34	63.1	29.1	22.7
1"×3/4"	43.1	33.4	35.5	26.67	65.4	29.1	25.9
1-1/4"×1/2"	52.4	42.16	29.3	21.34	66.4	32.3	22.7
1-1/4"×3/4"	52.4	42.16	35.1	26.67	67.6	32.3	25.9
1-1/4"×1"	52.4	42.16	43.4	33.4	72.2	33	28.2
1-1/2"×1/2"	59	48.26	29.3	21.34	70.5	35.4	22.7
1-1/2"×3/4"	59	48.26	35.5	26.67	73.7	35.4	25.9
1-1/2"×1"	59	48.26	43.5	33.4	76.9	35.4	28.8
1-1/2"×1-1/4"	59	48.26	52.4	42.16	80.1	35.4	32.3
2"×1/2"	72	60.33	29.3	21.34	79.7	38.6	22.7
2"×3/4"	72	60.33	35.1	26.67	81.4	38.6	25.9
2"×1"	72	60.33	43.1	33.4	84.6	38.6	29.1
2"×1-1/4"	72	60.33	52.4	42.16	87.8	38.6	32.9
2"×1-1/2"	72	60.33	59	48.26	90.9	38.6	35.4

ITEM NO:US8016

END PLUG

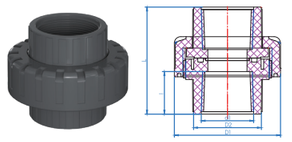
Nom Size	D	d	L	H
1/2"	29.3	21.34	22.7	39.7
3/4"	35.1	26.67	25.9	33.9
1"	43.1	33.4	29.1	33.8
1-1/4"	52.4	42.16	32.3	43
1-1/2"	59	48.26	35.4	45.8
2"	72	60.33	38.6	51.8
2-1/2"	87.58	73.38	44.95	56.85
3"	105	89.31	51.61	61.5
4"	132	114.76	60.95	71.8
6"	191	168.83	80.5	94.5
8"	246.7	219.08	102.5	133.9
10"	305.9	273.8	128	164.3
12"	361.5	324.6	153.5	199.3



ITEM NO:US8C001

CROSS TEE

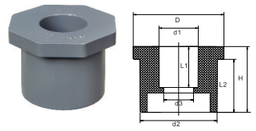
Nom Size	D	d	L	H
1/2"	29.4	21.34	23	71
3/4"	35	26.67	26	82.5
1"	43	33.4	29	97.5
1-1/4"	52	42.16	32	111
1-1/2"	59	48.26	35	124
2"	72	60.33	39	143



ITEM NO:U8U001

PVC SCH80 UNION

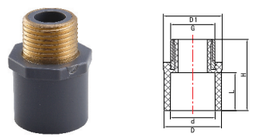
Nom Size	d1	D2	D1	I	L	NPT
1/2"	21.5	29.3	48.5	22.7	55.6	1/2"
3/4"	26.9	35.1	59	25.9	61.2	3/4"
1"	33.7	43.1	67.4	29.1	68	1"
1-1/4"	42.4	52.4	78.2	32.3	75.8	1-1/4"
1-1/2"	48.6	59	92.8	35.4	82.5	1-1/2"
2"	60.6	72	113.4	38.6	90.5	2"



ITEM NO:US8005

REDUCING RING

Nom Size	D	d1	d2	d3	L1	L2	H
3/4"×1/2"	35	21.34	26.67	14	22.2	26	32.4
1"×1/2"	43	21.34	33.4	14	22.2	29	35.6
1"×3/4"	43	26.67	33.4	18	26	29	35.6
1-1/4"×1/2"	52.4	21.34	42.16	13.5	22.7	31.5	40
1-1/4"×3/4"	52.4	26.64	42.16	17.8	25.9	31.5	40
1-1/4"×1"	52.4	33.4	42.16	24	29.1	31.5	40
1-1/2"×1/2"	59	21.34	48.26	13	22.7	35	43
1-1/2"×3/4"	58.5	26.67	48.26	17.3	25.9	35	43
1-1/2"×1"	59	33.4	48.26	24.3	29.1	35	43
1-1/2"×1-1/4"	59	42.16	48.26	31.2	32.3	35	43
2"×1/2"	72	21.34	60.33	13	22.7	39	49
2"×3/4"	72	33.4	60.33	23.5	29.1	39	49
2"×1"	72	26.67	60.33	18	29.1	38.3	48.6
2"×1-1/4"	72	42.16	60.33	32	32.3	39	49
2"×1-1/2"	72	48.26	60.33	36.2	35.4	38.6	48.6
3"×1-1/2"	104.9	48.26	88.9	42	35.5	47.1	55.1
3"×2"	104.9	60.33	88.9	53.8	38.6	47.1	55.1
3"×2-1/2"	104.9	73.4	88.7	66	45	53.5	61.5
4"×1-1/2"	132.4	48.26	114.3	42	35.5	56.6	65.1
4"×2"	132.4	60.33	114.3	53.8	38.6	56.6	65.1
4"×3"	132.4	88.9	114.3	82	48.1	56.6	65.1
6"×4"	191.2	114.3	168.3	106.1	57.6	76.7	86.7
8×4"	249.2	114.7	219.1	106.1	57.6	102.6	115.6
8×6"	249.2	168.8	219.1	145	76.7	102.6	115.6

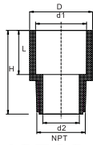


ITEM NO:US8C01

MALE ADAPTOR WITH BRASS

Nom Size	D1	D	d	H	L	G
1/2"	30.4	29.4	21.34	44.2	22.7	1/2"
3/4"	36.1	35.1	26.67	48.9	25.9	3/4"
1"	44.1	43.1	33.4	54.5	29.1	1"
1-1/4"	53.4	52.4	42.16	63.1	32.3	1-1/4"
1-1/2"	60	59	48.26	69.7	35.4	1-1/2"
2"	73	72	60.33	76.1	38.6	2"

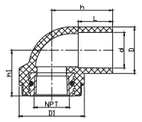
PVC SCH80 PIPES & FITTINGS ASTM D2467



ITEM NO:US8012

MALE ADAPTOR

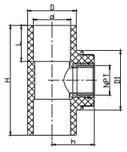
Nom Size	D	d1	d2	NPT	H	L
1/2"	30	21.34	9.4	1/2"	46.5	23.2
3/4"	35.8	26.67	14	3/4"	55.9	25.9
1"	44	33.4	18.8	1"	61	29.1
1-1/4"	53	42.16	26.8	1-1/4"	65.5	32.5
1-1/2"	60	48.26	32.4	1-1/2"	70.9	35.4
2"	73	60.33	43.3	2"	76.7	38.6
2-1/2"	88.2	73.03	51.0	2-1/2"	93.2	44.8
3"	104.9	88.9	66.0	3"	99.0	48.1
4"	132	114.3	89.9	4"	112	57.0
6"	191.2	168.3	138.3	6"	138.5	76.7
8"	247.2	219.08	186	8"	173	102.6
10"	305.9	273.05	235	10"	206	128
12"	361.5	323.85	281	12"	239	153.5



ITEM NO:UP8S016

FEMALE ELBOW WITH BRASS

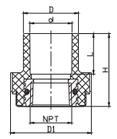
Nom Size	D1	D	d	L	NPT	h	h1
1/2"	42.9	29.4	21.34	23	1/2"	39.4	28
1/2"×3/4"	49.2	29.4	21.34	23	3/4"	38.5	31.5
3/4"	49.2	35	26.67	26	3/4"	45.9	34.5
3/4"×1/2"	42.9	35	26.67	26	1/2"	39.5	30.5
1"	56.7	43.54	34.05	29.08	1"	50	41
1-1/4"	67	52	42.16	32	1-1/4"	60	46.5
1-1/2"	73	59	48.26	35	1-1/2"	66	51
2"	87.6	72	60.33	39	2"	75	61



ITEM NO:UP8S017

FEMALE TEE WITH BRASS

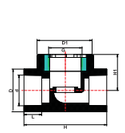
Nom Size	D1	D	d	L	NPT	h	h1
1/2"	42.9	29.4	21.34	23	1/2"	28	77
1/2"X3/4"	49.2	29.4	21.34	23	3/4"	31.5	77
3/4"	49.2	35	26.67	26	3/4"	34.5	92
3/4"X1/2"	42.9	35	26.67	26	1/2"	30.5	79
1"	56.7	43.54	34.05	29.08	1"	41	100
1-1/4"	67	52	42.16	32	1-1/4"	46.5	120
1-1/2"	73	59	48.26	35	1-1/2"	51	132
2"	87.6	72	60.33	39	2"	61	150



ITEM NO:UP8S015

FEMALE ADAPTOR WITH BRASS

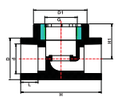
Nom Size	D1	D	d	L	NPT	H
1/2"	45.3	29.4	21.34	23	1/2"	40.5
1/2"×3/4"	51.6	29.4	21.34	23	3/4"	43.5
3/4"	51.6	35	26.67	26	3/4"	46.5
3/4"×1/2"	45.3	35	26.67	26	1/2"	44.5
1"	59	43	33.4	29	1"	53.5
1"×3/4"	51.6	43	33.4	29	3/4"	50



ITEM NO:UP8S012

PVC STOP VALVE TYPE I

Nom Size	D	d	G	L	H	D1	H1
20×1/2"	29.8	21.34	1/2"	22.7	80	35	30
25×3/4"	36	26.99	3/4"	24	82	42	/
32×1"	43.7	33.7	1"	25	93	51.7	39



ITEM NO:UP8S013

PVC STOP VALVE TYPE II

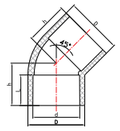
Nom Size	D	d	G	L	H	D1	H1
20×1/2"	29.8	21.34	1/2"	22.7	80	35	30
25×3/4"	36	26.99	3/4"	24	82	42	
32×1"	43.7	33.7	1"	25	93	51.7	39

PVC PRESSURE FITTINGS

(BS4346)

PRESSURE

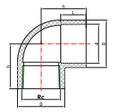
Pressure



ITEM NO:BS001

45°ELBOW

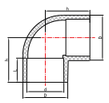
Nom Size	D	d	L	h
1/2"	28.5	21.34	17	23.14
3/4"	34.5	26.67	20	27.18
1"	41.7	33.4	23	32
1-1/4"	51.4	42.16	27.5	38.28
1-1/2"	59.8	48.26	30.5	43
2"	74	60.33	36.5	52
3"	105.7	88.9	51	73
4"	134.5	114.3	63.5	92.5
6"	196.7	168.3	91	132



ITEM NO:BS003

FEMALE ELBOW

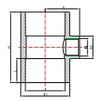
Nom Size	D	d	L	h	Rc
1/2"	28.5	21.34	17	28.25	1/2"
3/4"	34.5	26.67	20	34.25	3/4"
1"	41.7	33.4	23	39.35	1"
1-1/4"	51.4	42.16	27.5	48.8	1-1/4"
1-1/2"	59.8	48.26	30.5	54.1	1-1/2"
2"	74.5	60.33	36.5	67.75	2"



ITEM NO:BS002

90°ELBOW

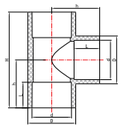
Nom Size	D	d	L	h
1/2"	28.5	21.34	17	30
3/4"	34.5	26.67	20	35.5
1"	41.7	33.4	23	42
1-1/4"	51.4	42.16	27.5	51
1-1/2"	59.8	48.26	30.5	58.5
2"	74	60.33	36.5	71
3"	105.7	88.9	51	102
4"	134.5	114.3	63.5	127.5
6"	196.7	168.3	91	183.5



ITEM NO:BS006

FEMALE REDUCING TEE

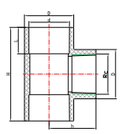
Nom Size	D1	D2	d	L	H	h	G
1"×1/2"	41.7	28.5	33.69	23	69.6	35	1/2"
1"×3/4"	41.7	34.5	33.7	23	75	37.75	3/4"
1-1/2"×1/2"	59.8	28.5	48.38	30.5	85.5	42	1/2"
1-1/2"×3/4"	59.8	34.5	48.38	30.5	90	45.2	3/4"
2"×1/2"	74.5	28.5	60.5	36.5	102	51	1/2"
2"×3/4"	74.5	34	60.33	36.5	107.38	52.36	3/4"



ITEM NO:BS004

TEE

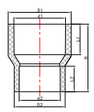
Nom Size	D	d	L	H	h
1/2"	28.5	21.34	17	59	29.5
3/4"	34.5	26.67	20	71	35.5
1"	41.7	33.4	23	84	42
1-1/4"	51.4	42.16	27.5	103	51.5
1-1/2"	59.8	48.26	30.5	117	58.5
2"	74.5	60.33	36.5	143	71.5
3"	105.7	88.9	51	202.7	101.35
4"	134.5	114.3	63.5	255	127.5
6"	196.7	168.3	91	367	183.5



ITEM NO:BS005

FEMALE TEE

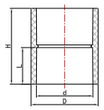
Nom Size	D	d	L	H	h	Rc
1/2"	28.5	21.34	17	56.5	28.25	1/2"
3/4"	34.5	26.67	20	68.5	34.25	3/4"
1"	41.7	33.4	23	80	39.35	1"
1-1/4"	51.4	42.16	27.5	97.6	48.8	1-1/4"
1-1/2"	59.8	48.26	30.5	109	54.1	1-1/2"
2"	74.5	60.33	36.5	135.5	67.75	2"



ITEM NO:BS012

REDUCING COUPLING

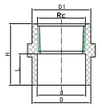
Nom Size	D1	D2	d1	d2	L1	L2	H
2"×1-1/2"	73.9	59.8	60.33	48.26	36.5	30.5	81



ITEM NO:BS007

COUPLING

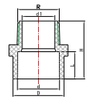
Nom Size	D	d	L	h
1/2"	27.5	21.34	17	36
3/4"	33.5	26.67	20	42
1"	40.7	33.4	23	48
1-1/4"	50.4	42.16	27.5	57
1-1/2"	59.4	48.26	30.5	64
2"	74	60.33	36.5	77
3"	103.5	88.9	51	109
4"	134.5	114.3	63.5	132
6"	194.7	168.3	91	188



ITEM NO:BS009

FEMALE ADAPTOR

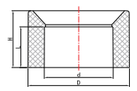
Nom Size	D	D1	d	L	H	Rc
1/2"	28.5	28.5	21.34	17	35.5	1/2"
3/4"	34.5	34.5	26.67	20	41	3/4"
1"	41.7	41.7	33.4	23	45.6	1"
1-1/4"	51.4	51.4	42.16	27.5	53.7	1-1/4"
1-1/2"	59.8	59.4	48.26	30.5	62	1-1/2"
2"	74	76	60.33	36.5	76	2"
3"	103.5	105	88.9	51	100	3"
4"	134.5	136	114.3	63.5	120	4"
6"	196.7	196.7	168.3	91	149	6"



ITEM NO:BS010

MALE ADAPTOR

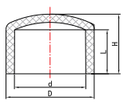
Nom Size	D	d	d1	L	H	Rc
1/2"	28.5	21.34	12.2	17	41.5	1/2"
3/4"	34.5	26.67	16	20	46.5	3/4"
1"	41.7	33.4	23	23	55	1"
1-1/4"	51.4	42.16	33	27.5	58.5	1-1/4"
1-1/2"	59.8	48.26	37	30.5	63	1-1/2"
2"	74	60.33	47	36.5	75	2"
3"	103.5	88.9	72	51	99	3"
4"	134.5	114.3	94	63.5	122	4"
6"	196.7	168.3	136.6	91	157.5	6"



ITEM NO:BS008

REDUCING BUSH

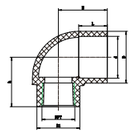
Nom Size	D	d	L	H
3/4"×1/2"	26.67	21.34	17	20
1"×1/2"	33.4	21.34	17	23
1"×3/4"	33.4	26.67	20	23
1-1/4"×1/2"	42.16	21.34	17	27.5
1-1/4"×3/4"	42.16	26.67	20	27.5
1-1/4"×1"	42.16	33.4	23	27.5
1-1/2"×1/2"	48.26	21.34	17	30.5
1-1/2"×3/4"	48.26	26.67	20	30.5
1-1/2"×1"	48.26	33.4	23	30.5
1-1/2"×1-1/4"	48.26	42.16	27.5	30.5
2"×1/2"	60.33	21.34	17	36.5
2"×3/4"	60.33	26.67	20	36.5
2"×1"	60.33	33.4	23.8	36.5
2"×1-1/4"	60.33	42.16	28.2	36.5
2"×1-1/2"	60.33	48.26	30.5	36.5
3"×1-1/2"	88.9	48.26	30.5	51
3"×2"	88.9	60.33	36.5	51
4"×2"	114.3	60.33	36.5	63.5
4"×3"	114.3	88.9	51	63.5
6"×4"	168.3	114.3	63.5	91



ITEM NO:BS011

END PLUG

Nom Size	D	d	L	h
1/2"	28.5	21.34	17	22.58
3/4"	34.5	26.67	20	26.51
1"	41.7	33.4	23	30.56
1-1/4"	51.4	42.16	27.5	36.55
1-1/2"	59.8	48.26	30.5	41.32
2"	74	60.33	36.5	49.65
3"	105.7	88.9	51	68.64
4"	134.5	114.3	63.5	85.65
6"	196.7	168.3	91	124.04

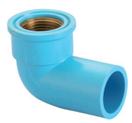


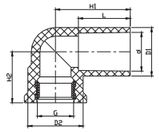
ITEM NO:BS013

REDUCING FEMALE 90°ELBOW

Nom Size	D	D1	d	L	NPT	H	h
1"×1/2"	41.7	28.5	33.7	23	1/2"	39.35	34.35
1"×3/4"	41.7	34.5	33.7	23	3/4"	39.35	39.75

PVC PRESSURE FITTINGS JIS STANDARD

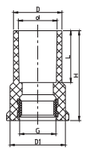




ITEM NO:PJS001

FEMALE BRASS ELBOW

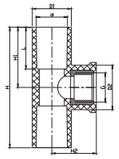
Nom Size	D1	D2	d	L	H1	H2	G
18 (1/2")	28	32	22.4	30	43.25	29.5	1/2"
20 (3/4")	33.05	37.8	23.6	35	51	36	3/4"



ITEM NO:PJS002

FEMALE BRASS COUPLING

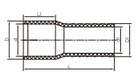
Nom Size	D	d	D1	G	L	H
18 (1/2")	28	22.4	32	1/2"	30	52
20 (3/4")	33.05	26.45	37.8	3/4"	35	60



ITEM NO:PJS003

FEMALE BRASS TEE

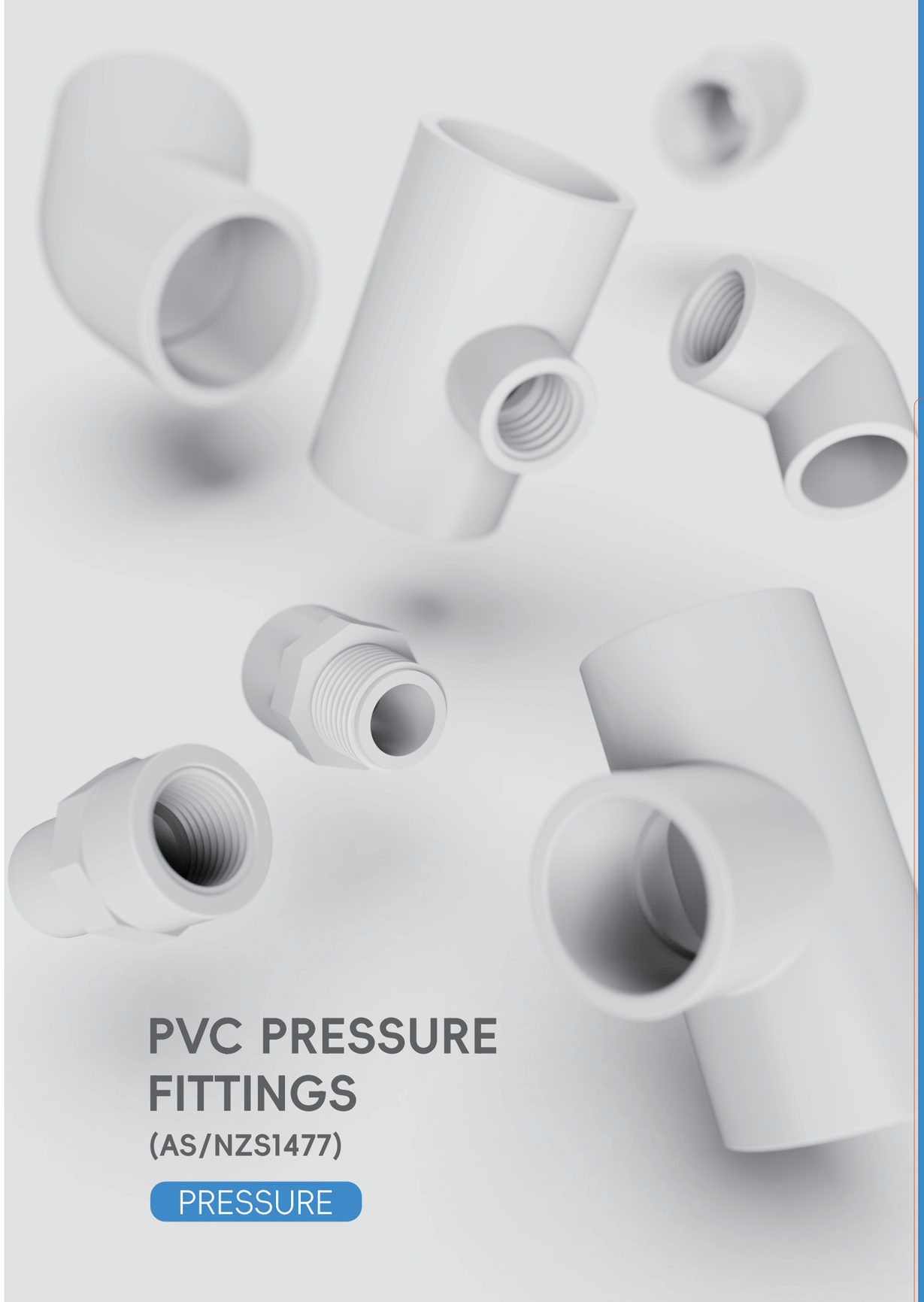
Nom Size	D1	D2	d	L	H1	H2	H	G
18 (1/2")	28	32	22.4	30	43.25	32	86.5	1/2"
20 (3/4")	33.05	37.8	26.45	35	50.15	37.5	100.3	3/4"



ITEM NO:PJS004

PVC SWAGED HOSE NIPPLE

Size Nom	D	d	D1	d1	L
3"	89	75	77	61	212
4"	114	100	102	86	245
5"	140	125	127	112	280



PVC PRESSURE FITTINGS

(AS/NZS1477)

PRESSURE

Pressure

PVC PRESSURE PIPES & FITTINGS AS/NZS1477

BEP Approved Water Mark

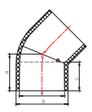
PRESSURE PIPES

Nom Size	Outer Dia	PN9 Thickness	PN12 Thickness	PN15 Thickness
15	21.2-21.5	/	/	1.4-1.7
20	26.6-26.9	/	1.4-1.7	1.7-2.1
25	33.4-33.7	1.4-1.7	1.7-2.1	2.1-2.5
32	42.1-42.4	1.7-2.1	2.2-2.6	2.7-3.2
40	48.1-48.4	1.9-2.3	2.5-3.0	3.1-3.6
50	60.2-60.5	2.4-2.8	3.1-3.6	3.8-4.4
65	75.2-75.5	3.0-3.5	3.9-4.5	4.8-5.5
80	88.7-89.1	3.5-4.1	4.6-5.3	5.7-6.5
100	114.1-114.5	4.5-5.2	5.9-6.7	7.3-8.2
125	140.0-140.4	5.5-6.3	7.2-8.1	8.9-10
150	160.0-160.5	6.3-7.1	8.3-9.3	10.2-11.4
175	200.0-200.5	7.1-8.0	9.3-10.4	11.5-12.8
200	225.0-225.6	7.9-8.9	10.5-11.7	12.9-14.4
225	250.0-250.7	8.8-9.9	11.6-13	14.4-16

ITEM NO:AUSE01

45°ELBOW

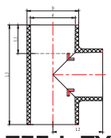
Nom Size	D	d	L	h
15	27.3	21.70	20.00	27.12
20	33.6	27.20	22.00	29.97
25	40.6	34.00	24.00	33.42
32	50.7	42.70	29.00	40.10
40	58.3	48.70	32.00	45.05
50	70.8	60.80	38.00	53.60
65	87.8	75.80	46.00	64.70
80	103.4	89.40	52.00	73.48
100	133	115.00	62.00	88.57
150	185	161.00	89.00	125.10



ITEM NO:LAUSE01

45°ELBOW L TYPE

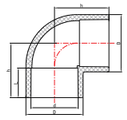
Nom Size	D	d	L	h
40	56	48.7	31	39.6



ITEM NO:LAUST01

STRAIGHT TEE L TYPE

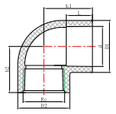
Nom Size	D	d	L1	L2	L3
40	56	48.7	31	54	108
50	69.2	60.8	36	66	132



ITEM NO:AUSE02

90°ELBOW

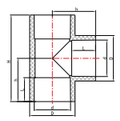
Nom Size	D	d	L	h
15	27.3	21.70	20.00	33.00
20	33.6	27.20	22.00	37.50
25	40.6	34.00	24.00	43.00
32	50.7	42.70	29.00	52.50
40	58.3	48.70	32.00	59.10
50	70.8	60.80	38.00	71.40
65	87.8	75.80	46.00	86.90
80	103.4	89.40	52.00	100.20
100	133	115.00	62.00	123.00
150	185	161.00	89.00	173.50



ITEM NO:AUSE04

90°FEMALE THREAD ELBOW

Nom Size	D1	D2	d	L	h1	h2	Rc
15×1/2"	28.30	28.30	19.90	20.00	31	31	1/2"
20×1/2"	33.60	28.30	27.20	22.00	34	33	1/2"
20×3/4"	34.60	34.60	27.20	22.00	36	36	3/4"
25×1/2"	40.60	28.30	34.00	24.00	37	37	1/2"
25×3/4"	40.60	34.60	34.00	24.00	39	39	3/4"
25×1"	41.60	41.60	34.00	24.00	42	42	1"
32×1-1/4"	51.70	51.70	42.70	29.00	51	48	1-1/4"
40×1-1/2"	59.30	59.30	48.70	32.00	57	51	1-1/2"

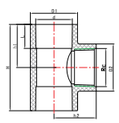


ITEM NO:AUST01

STRAIGHT TEE

Nom Size	D	d	L	H	h
15	27.3	21.70	20.00	66.00	33
20	33.6	27.20	22.00	75.00	38
25	40.6	34.00	24.00	86.00	43
32	50.7	42.70	29.00	105.00	53
40	58.3	48.70	32.00	118.20	59
50	70.8	60.80	38.00	142.80	71
65	87.8	75.80	46.00	173.80	87
80	103.4	89.40	52.00	200.40	100
100	133	115.00	62.00	246.00	123
150	185	161.00	89.00	347.00	174

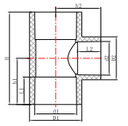
Water Mark BEP Approved AS/NZS1477 PVC PRESSURE PIPES & FITTINGS



ITEM NO:AUST04

FEMALE THREAD TEE

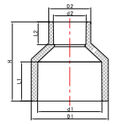
Nom Size	D1	D2	d	L	h1	h2	H	Rc
15×1/2"	27.3	27.30	21.70	20.00	31	31	62	1/2"
20×1/2"	33.6	27.30	27.20	22.00	34	34	67	1/2"
20×3/4"	33.6	33.60	27.20	22.00	36.5	35.5	73	3/4"
25×1/2"	40.6	27.30	34.00	24.00	36	37	71	1/2"
25×3/4"	40.6	33.60	34.00	24.00	38	39	77	3/4"
25×1"	40.6	40.60	34.00	24.00	42	41	83	1"
32×1/2"	50.7	27.30	42.70	29.00	41	41	82	1/2"
32×1"	50.7	40.60	42.70	29.00	47	46	94	1"
40×1/2"	58.3	27.30	48.70	32.00	44	45	88	1/2"
40×3/4"	58.3	33.60	48.70	32.00	47	47	94	3/4"
40×1"	58.3	40.60	48.70	32.00	50	49	100	1"
40×1-1/2"	59.3	59.30	48.70	32.00	56.9	51.2	113.8	1-1/2"
50×3/4"	70.8	33.60	60.80	38.00	53	53	106	3/4"
50×1"	70.8	40.60	60.80	38.00	56	55	112	1"



ITEM NO:AUST02

REDUCING TEE

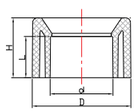
Nom Size	D1	d1	L1	h1	D2	d2	L2	h2	H
20×15	33.6	27.20	22.00	31.95	22	27	20	35	70
25×20	40.6	34.00	24.00	39.50	27	34	22	41	79
32×20	50.7	42.70	29.00	44.50	27	34	22	45	89
32×25	50.7	42.70	29.00	48.00	34	41	24	48	96
40×15	58.3	48.70	32.00	45.95	22	27	20	47	92
40×20	58.3	48.70	32.00	48.00	27	34	22	48	96
40×25	58.3	48.70	32.00	51.50	34	41	24	51	103
40×32	58.3	48.70	32.00	55.50	42.7	50.7	29	56.1	111
50×20	70.8	60.80	38.00	54.00	27	34	22	55	108
50×25	70.8	60.80	38.00	57.50	34	41	24	57	115
50×40	70.8	60.80	38.00	65.15	49	58	32	65	130
65×50	87.8	75.80	46.00	79.20	61	71	38	79	158
80×25	103.4	89.40	52.00	72.50	34	41	24	71	145
80×40	103.4	89.40	52.00	80.15	49	58	32	80	160
80×50	103.4	89.40	52.00	86.20	61	71	38	86	172
100×50	133	115.00	62.00	96.20	61	71	38	98	192
100×80	133	115.00	62.00	111.20	89	103	52	112	222
150×100	185	161.00	89.00	151.00	115	133	62	146	302



ITEM NO:AUS004

REDUCING COUPLING

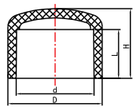
Nom Size	D1	d1	L1	D2	d2	L2	H
20×15	33.6	27.20	22.00	27.30	21.7	20	51
25×15	40.6	34.00	24.00	27.30	22	20	53
25×20	40.6	34.00	24.00	33.60	27	22	55
32×20	50.7	42.70	29.00	33.60	27	22	62
32×25	50.7	42.70	29.00	40.60	34	24	64
40×15	58.3	48.70	32.00	27.30	22	20	66
40×20	58.3	48.70	32.00	33.60	27	22	68
40×25	58.3	48.70	32.00	40.60	34	24	70
40×32	58.3	48.70	32.00	50.70	43	29	76
50×25	70.8	60.80	38.00	40.60	34	24	80
50×32	70.8	60.80	38.00	50.70	43	29	85
50×40	70.8	60.80	38.00	58.30	49	32	89
65×50	87.8	75.80	46.00	70.80	61	38	103
80×50	103.4	89.40	52.00	70.80	61	38	113
80×65	103.4	89.40	52.00	87.80	76	46	121
100×50	133	115.00	62.00	70.80	61	38	126
100×80	133	115.00	62.00	103.40	89	52	143
125×100	162.9	140.90	85.00	133.00	115	62	179
150×100	185	161.00	89.00	133.00	115	62	192



ITEM NO:AUS005

REDUCING RING

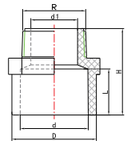
Size Nom	D	d	L	H
20×15	27.200	21.70	20.00	22
25×15	34.000	21.70	20.00	24
25×20	34.000	27.20	22.00	24
32×25	42.700	34.00	24.00	29
40×25	48.700	34.00	24.00	32
40×32	48.700	42.70	29.00	32
50×25	60.800	34.00	24.00	38
50×32	60.8	42.7	29	38
50×40	60.800	48.70	32.00	38
65×50	75.800	60.80	38.00	46
80×50	89.400	60.80	38.00	52
80×65	89.4	75.8	46	52
100×50	115.000	60.80	38.00	62
100×80	115.000	89.40	52.00	62
150×100	161.000	115.00	62.00	89



ITEM NO:AUS016

END PLUG

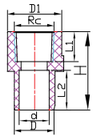
Size Nom	D	d	L	H
15	27.3	21.700	20.00	28.77
20	33.6	27.200	22.00	32.40
25	40.6	34.000	24.00	35.30
32	50.7	42.700	29.00	42.38
40	58.3	48.700	32.00	47.06
50	70.8	60.800	38.00	54.88
65	87.8	75.800	46.00	65.87
80	103.4	89.400	52.00	76.14
100	133	115.000	62.00	92.87
125	162.9	140.900	85.00	122.10
150	185	161.000	89.00	130.02



ITEM NO:AUS012

VALVE SOCKET

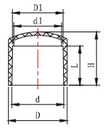
Nom Size	D	d	d1	L	H	R
15×1/2"	27.3	21.70	13.40	20.00	40	1/2"
20×3/4"	33.6	27.20	17.60	22.00	45	3/4"
25×1"	40.6	34.00	23.20	24.00	49	1"
32×1-1/4"	50.7	42.70	30.40	29.00	57	1-1/4"
40×1"	58.3	48.70	23.20	32.00	58	1"
40×1-1/2"	58.3	48.70	34.60	32.00	60	1-1/2"
40×1-1/4"	58.3	48.70	30.40	32.00	60	1-1/4"
50×2"	70.8	60.80	45.80	38.00	69	2"
65×2-1/2"	87.8	75.80	59.80	46.00	82	2-1/2"
80×3"	103.4	89.40	69.50	52.00	94	3"
100×4"	133	115.00	90.40	62.00	112	4"



ITEM NO:AUS013

FAUCET TAKE OFF ADAPTOR

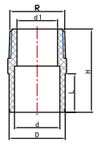
Size Nom	D	d	D1	Rc	L1	L2	H
15×1/2"	21.2	15.6	28.3	1/2	16	20.3	41
20×3/4"	26.4	20.2	34.6	3/4	18	21.2	45
25×3/4"	33	26.8	34.6	3/4	18	24	47
25×1"	33	26.8	41.6	1	20.5	29.5	54.5



ITEM NO:LAUS016

END PLUG L TYPE

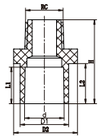
Size Nom	D	d	D1	d1	L	H
20	30.8	27.2	26.5	25	20.6	28



ITEM NO:AUS017

VALVE TAKE OFF ADAPTOR

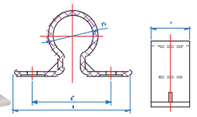
Size Nom	D	d	d1	L	H	R
15×1/2"	21.2	15.60	13.40	20	44	1/2"
20×3/4"	26.6	20.20	17.60	22	48	3/4"
25×1"	33.4	26.80	23.20	24	55.5	1"
32×1-1/4"	42.1	34.10	30.40	29	62.5	1-1/4"
40×1-1/2"	48.1	38.50	34.60	32	66	1-1/2"
50×2"	60.2	50.20	45.80	38	77	2"
65×2-1/2"	75.2	63.20	59.80	53	89	2-1/2"
80×3"	88.7	74.70	69.50	52	100	3"



ITEM NO:AUS017

VALVE TAKE OFF ADAPTOR

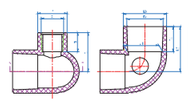
Size Nom	d	D1	D2	Rc	L1	L2	H
25×15×1/2"	21.7	26.6	34.98	1/2 "	20	22	46



ITEM NO:AUS018

PVC CLIP FOR PRESSURE PIPE

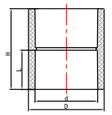
Size Nom	D	D1	R	d
15	60	40	21.3	19.4
20	64	46	31.7	19.4
25	74	53	39.5	19.4
32	81	60	48.2	19.4
40	85	67	54.2	19.4
50	104	80	68.3	19.4



ITEM NO:AUSE05

90DEG ELBOW SIDE OUTLET 20X15MM

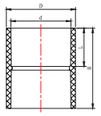
Size Nom	D	D1	D2	D3	D4	H	L	L1	L2
20×1/2"×90	28.3	1/2"	33.6	27.2	26.5	18	33.8	22	37.5
25×1/2"×90	28.3	1/2"	40.6	34	33.3	18	37	24	43



ITEM NO:AUS003

COUPLING

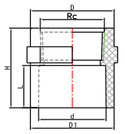
Nom Size	D	d	L	H
15	27.300	21.70	20.00	43
20	33.600	27.20	22.00	47
25	40.600	34.00	24.00	51
32	50.700	42.70	29.00	61
40	58.300	48.70	32.00	68
50	70.800	60.80	38.00	80
65	87.800	75.80	46.00	96
80	103.400	89.40	52.00	108
100	133.000	115.00	62.00	128
150	185.000	161.00	89.00	182



ITEM NO:LAUS003

COUPLING L TYPE

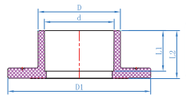
Nom Size	D	d	L	h
15	25.3	21.7	18.5	39.4



ITEM NO:AUS011

FAUCET SOCKET

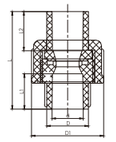
Nom Size	D	D1	d	L	H	Rc
15×1/2"	28.3	28.300	21.70	20.00	41	1/2"
20×3/4"	34.6	34.600	27.20	22.00	45	3/4"
25×1/2"	28.3	41.600	34.00	24.00	45	1/2"
25×3/4"	34.6	41.600	34.00	24.00	47	3/4"
25×1"	41.6	41.600	34.00	24.00	49	1"
32×1-1/4"	51.7	51.700	42.70	29.00	56	1-1/4"
40×1-1/2"	59.3	59.300	48.70	32.00	60	1-1/2"
50×2"	71.8	71.800	60.80	38.00	69	2"
65×2-1/2"	88.8	88.800	75.80	46.00	80.5	2-1/2"
80×3"	104.4	104.400	89.40	52.00	90	3"
100×4"	134	134.000	115.00	62.00	106	4"



ITEM NO:AUS019

FLANGE

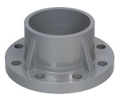
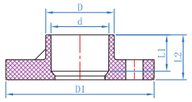
Nom Size	D1	D	d	L1	L2
50	149.4	71.6	60.8	38	47
65	165	89.4	79.8	46	54
80	183	105.4	89.4	52	61.5
100	213.5	135.6	115	62	71
150	279.5	190	161	89	101



ITEM NO:AUU001

BARREL UNION

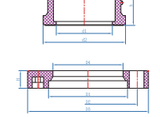
Nom Size	d	D	D1	L	L1	L2
15	21.7	29	50.2	67.9	24.6	27.3
20	27.2	33.6	54	67.5	25	27
25	34	42	64	71.5	28.5	28.5
32	42.7	51	74.5	77.5	32	30
40	48.7	57	81	81	33	33
50	60.8	71.4	100	87.8	38	38

ITEM NO:AUS020

SOCKET FLANGE

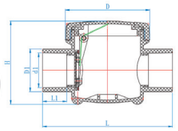
Nom Size	D1	D	d	L1	L2
50	155.2	71.6	60.8	38	47



ITEM NO:AUS021

VAN STONE FLANGE

Nom Size	d1	d2	d3	d4	h	D1	D2	D3	D4	H
80	80.8	118.8	89.4	105.4	57.6	121	151	185	107.4	27
100	107	151	115	135.6	69	153	183	230	137.6	30
150	155	208	161	192.5	97	209.8	239.3	292.8	192	32



ITEM NO: AUS022

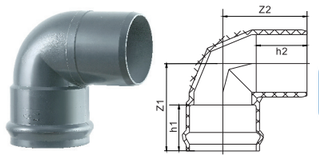
SWING CHECK VALVE

D1	d1	L1	D	H	L
60.7	48.7	34	119	117.5	183

PVC PRESSURE FITTINGS WITH GASKET

PRESSURE

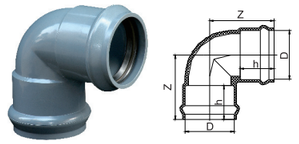
PVC PRESSURE FITTINGS WITH GASKET



ITEM NO:GP001

ONE FAUCET ONE INSERT 90°ELBOW

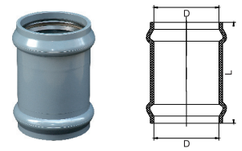
Spec	Z1	Z2	h1	h2
225	312	296	166	170
250	337.5	340	182	178
315	393	378	198	222



ITEM NO:GP002

TWO FAUCET 90°ELBOW

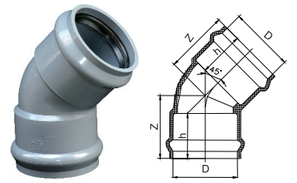
Spec D	Z	h
63	112	76
75	123	81.5
90	165	114
110	190	122
160	229	142
200	266	153
225	312	163
250	338	177
315	393	198
355	393	206



ITEM NO:GP016

TWO FAUCET COUPLING

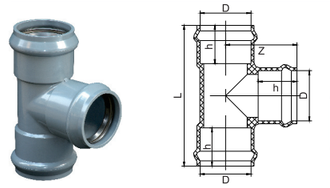
Spec D	L
63	156
75	170
90	235
110	266
160	310
200	338
225	360
250	385
315	460
355	460



ITEM NO:GP004

TWO FAUCET 45°ELBOW

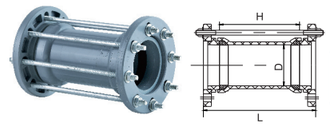
Spec D	Z	h
63	92	76
75	103.5	81.5
90	136	114
110	162.5	122
160	183	141.5
200	210	155
225	222	166
250	248	180
315	298	195
355	292	205



ITEM NO:GP005

THREE FAUCET REGULAR TEE

Spec D	L	h	Z
63	224	76	122
75	245	81.5	122.5
90	330	115	165
110	410	122	206
160	473	141.5	238
200	560	152	280
225	615	166	308
250	66	176	333
315	780	198	390
355	786	206	393

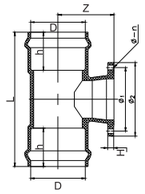


ITEM NO:GP021

REPAIRING JOINT

Spec D	L	H
110	305	221
160	365	252
200	410	290
225	/	315
250	430	335
315	/	390

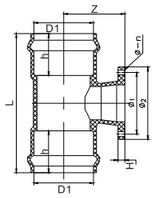
PVC PRESSURE FITTINGS WITH GASKET



ITEM NO:GP006

TWO FAUCET ONE FLANGE REGULAR TEE

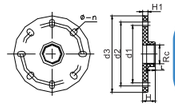
Spec D	L	h	Z	Ø1	Ø2	H	Ø-n
110	413	122	158	180	225	21	17.5-8
160	475	141.5	191	240	285	24	22-8
200	560	155	217.5	295	340	28	22-8
225	611	166	260	295	340	30	22-8



ITEM NO:GP007

TWO FAUCET ONE FLANGE REDUCING TEE

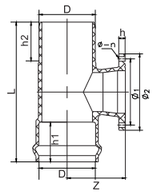
Spec D1xD2	L	h	Z	Ø1	Ø2	H	Ø-n
160×110	428	141.5	191	180	225	21	17.5-8
200×110	475	155	210	180	225	21	17.5-8
200×160	535	155	216.5	240	285	24	22-8
225×110	490	166	225	180	225	21	17.5-8
225×160	540	166	230	240	285	24	22-8
250×110	520	180	238	180	225	21	17.5-8
250×160	573	180	240	240	285	24	22-8
250×200	623	180	260	295	340	28	22-8
315×110	580.5	198	279	180	225	21	17.5-8
315×160	618	198	277	240	285	24	22-8
315×200	663	198	292	295	340	28	22-8



ITEM NO:GP019

COOPER SCREW BLANK FLANGE

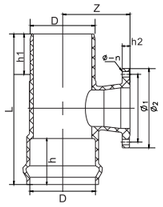
Spec D	d1	d2	d3	H	H1	L	Ø-n
110×2"	170	180	225	38	20	28	17.5X8
160×2"	230	240	285	41.5	25	28	17.5X8
200×2"	295	/	340	43	28	28	22X8



ITEM NO:GP008

ONE FAUCET ONE FLANGE ONE INSERT REGULAR TEE

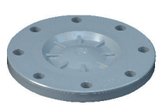
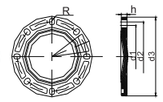
Spec D	L	h1	h2	h	Ø1	Ø2	Z	Ø-n
110	410	122	127	21	180	225	158	17.5x8
160	480	141.5	144	24	240	285	191	22x8
200	560	155	155	28	295	340	217.5	22x8
225	615	166	167	30	295	340	260	22x8



ITEM NO:GP009

ONE FAUCET ONE INSERT ONE FLANGE REDUCING TEE

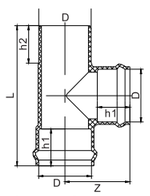
Spec D	L	h	h1	h2	Ø1	Ø2	Z	Ø-n
160×110	440	141.5	144	21	180	225	191	17.5x8
200×110	477	155	155	21	180	225	210	17.5x8
200×160	530	155	155	24	240	285	216.5	22x8
225×110	495	166	167	21	180	225	225	17.5x8
225×160	550	166	167	24	240	285	230	22x8
250×110	515	180	182	21	180	225	238	17.5x8
250×160	570	180	182	24	240	285	240	22x8
250×200	616	180	180	28	295	240	260	22x8
315×110	575	198	197	21	180	225	279	17.5x8
315×160	618	198	197	24	240	285	277	22x8
315×200	663	198	197	28	295	340	292	22x8

ITEM NO:GP020

BLANK FLANGE

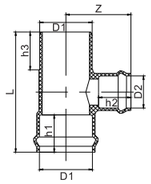
Spec D	d1	d2	d3	h	n	R
110	170	180	225	20	8	11
160	230	240	285	25	8	9
200	295	/	340	28	8	11



ITEM NO:GP010

TWO FAUCET ONE INSERT REGULAR TEE

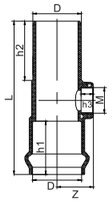
Spec D	L	h1	h2	Z
110	410	122	130	206
160	480	141.5	144	238
200	560	155	155	280
225	615	166	167	308
250	670	180	182	333
315	780	198	198	390



ITEM NO:GP011

TWO FAUCET ONE INSERT REDUCING TEE

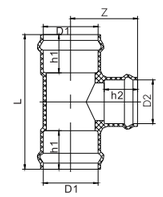
Spec D1xD2	L	h1	h2	h3	Z
160×110	440	141.5	122	144	220
200×110	477	155	122	155	235
200×160	530	155	141.5	155	255
225×110	495	166	122	167	250
225×160	550	166	141.5	167	270
250×110	515	180	122	182	265
250×160	570	180	141.5	182	285
250×200	616	180	155	182	315
315×110	575	198	122	197	312
315×160	618	198	141.5	197	318
315×200	663	198	155	197	344



ITEM NO:GP012

ONE FAUCET ONE INSERT ONE SCREW TEE

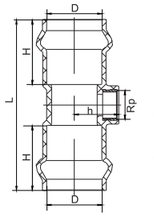
Spec DxRp	L	h1	h2	h3	Z
110×2"	340	122	130	28	81
160×2"	380	141.5	144	28	103
200×2"	410	155	155	28	122.5



ITEM NO:GP013

THREE FAUCET REDUCING TEE

Spec D1×D2	L	h1	h2	Z
75×63	234	81.5	76	117.5
90×63	304	115	76	128
90×75	304	115	81.5	153
110×63	340	122	76	141
110×75	340	122	81.5	138
110×90	340	122	115	197
160×63	384	141	76	169
160×75	384	141	81.5	175
160×90	384	141	115	225
160×110	430	142	122	220
200×63	416	152	76	195
200×75	416	152	81.5	200
200×90	416	152	115	250
200×110	477	155	122	235
200×160	535	155	142	255
225×110	492	166	122	250
225×160	545	166	142	270
250×110	516	180	122	265
250×160	576	180	142	285
250×200	618	180	155	315
315×110	570	198	122	312
315×160	618	198	142	317
315×200	658	198	155	344
355×160	616	206	105	343
355×200	616	206	155	387
355×225	664	206	166	370
355×250	664	206	177	413

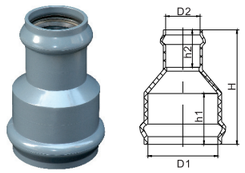


ITEM NO:GP014

TWO FAUCET COOPER SCREW TEE

Spec DxRp	H	h	L
63×3/4"	76	52	200
63×1"	76	52	200

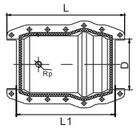
PVC PRESSURE FITTINGS WITH GASKET



ITEM NO:GP015

TWO FAUCET REDUCER

Spec D1xD2	H	h1	h2
90×63	210	115	76
90×75	212	115	81.5
110×63	230	122	76
110×90	255	123	116
160×110	305	140	122
200×110	324	156	122
200×160	325	155	140
225×110	362	160	122
225×160	355	160	140
225×200	355	160	155
250×110	388	175	122
250×160	375	175	140
250×200	372	175	155
250×225	375	175	165
315×160	431	195	140
315×200	430	195	155
315×250	435	195	182
355×200	455	205	155
355×315	438	205	198



ITEM NO:GP022

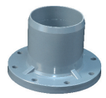
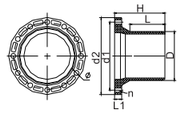
SADDLE PIN JOINT WITH COOPER SCREW

Spec D	L	L1	Rp	No.size and length of nuts
90	313	260	1/2"	12-M10x70
110	340	280	1/2"	12-M12x70
125	345	284	1/2"	12-M12x70
140	347	286	1/2"	12-M12x70
160	382	320	1/2"	14-M12x80
200	462	400	1/2"	16-M12x80
225	462	400	1/2"	16-M12x80
250	494	430	1/2"	18-M12x90
315	525	450	1/2"	18-M12x90
355	545	470	1/2"	18-M16x100
400	575	500	1/2"	20-M16x100

ITEM NO:GP017

FAUCET FLANGE

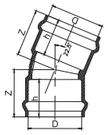
Spec D	d1	d2	H	H1	L	∅	n
63	125	165	88	16	76	17.5	4
75	145	185	92	16	81.5	17.5	4
90	160	200	122	20.5	113.5	17.5	8
110	180	225	148.5	21	124	17.5	8
160	240	285	154	24.5	142	22	8
200	295	336	167.5	27	153	22	8
225	295	340	173.5	31	163	22	8
250	350	395	188	33	177	22	12
315	400	445	215	36.5	199	22	12
355	445-460	505	225	38	209	22	16
400	495-515	565	247.5	41.5	227.5	26	16

ITEM NO:GP018

INSERT FLANGE

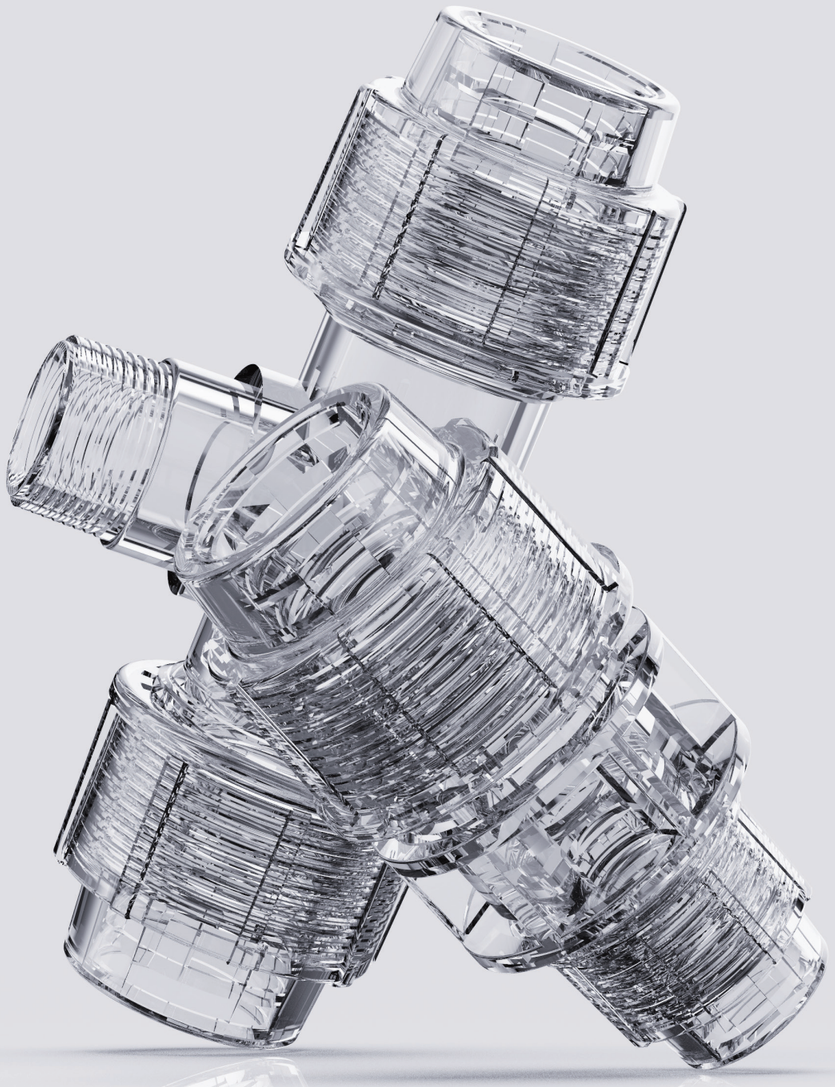
Spec D	d1	d2	H	L	L1	∅	n
63	125	165	110	80	16	17.5	4
75	145	185	113	85	16	17.5	4
90	160	200	153	115	20	17.5	8
110	180	225	167	125	21	17.5	8
160	240	285	196	146	25	22	8
200	295	338	215	166	32	22	8
225	295	340	226.5	170	31	22	8
250	350	395	257.5	180	33	22	12
315	400	445	297.5	200	36.5	22	12
400	495-515	565	303	235	41.5	26	16



ITEM NO:GP003

TWO FAUCET 22.5°ELBOW

Spec D	Z	h
63	75	85
75	81.5	97
90	114	127.5
110	152	122
160	166	140.5
200	190	155
225	191	166
250	224	180
315	268	198



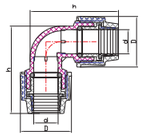
PP COMPRESSION FITTINGS

PRESSURE

Pressure

PP COMPRESSION FITTINGS VALVES&FILTERS (EN ISO15874AS/NZS4129)

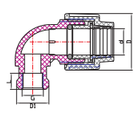
WRAS APPROVED PRODUCT Water Mark CE PG SR-CU ACS



ITEM NO:PT001

90°ELBOW

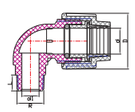
Nom Size	D	d	H
16	38	18.3	63.03
20	44	21	76
25	56	26	96
32	65	33	116
40	80	41	145
50	92	51	163
63	114	64	195
75	128	76	227
90	152	91	264
110	182	111	307



ITEM NO:PT002

FEMALE THREAD ELBOW

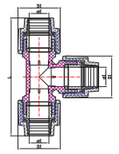
Nom Size	D	d	D1	G	L
16×1/2"	38	18.3	29.7	1/2"	16.5
20×1/2"	44	21	31.6	1/2"	16
20×3/4"	44	21	38.6	3/4"	19
25×1/2"	56	26	31.6	1/2"	16
25×3/4"	56	26	38.6	3/4"	19
25×1"	56	26	47.4	1"	22
32×1/2"	65	33	31.6	1/2"	16
32×3/4"	65	33	38.6	3/4"	19
32×1"	65	33	47.4	1"	22
32×1-1/4"	65	33	62	1-1/4"	24
40×3/4"	80	41	38.6	3/4"	19
40×1"	80	41	47.4	1"	22
40×1-1/4"	80	41	62.0	1-1/4"	24
40×1-1/2"	80	41	67.0	1-1/2"	24
50×1-1/4"	92	51	62.0	1-1/4"	24
50×1-1/2"	92	51	67.0	1-1/2"	24
50×2"	92	51	81.2	2"	28
63×1-1/4"	114	64	62.0	1-1/4"	24
63×1-1/2"	114	64	67.0	1-1/2"	24
63×2"	114	64	81.2	2"	28
63×2-1/2"	114	64	105	2-1/2"	33
75×2"	128	76	81.2	2"	28
75×2-1/2"	128	76	105.0	2-1/2"	33
90×3"	152	91	126.0	3"	35
90×4"	152	91	157.0	4"	40
110×4"	182	111	157.0	4"	40



ITEM NO:PT003

MALE THREAD ELBOW

Nom Size	D	d	d1	R	L
20×1/2"	44	21	12	1/2"	14
20×3/4"	44	21	17	3/4"	16
25×1/2"	56	26	12	1/2"	14
25×3/4"	56	26	17	3/4"	16
25×1"	56	26	21	1"	19
32×1"	56	26	21	1"	19
32×1/2"	65	33	12	1/2"	14
32×3/4"	65	33	17	3/4"	16
32×1"	65	33	22	1"	19
32×1-1/4"	65	33	30.5	1-1/4"	21
40×1"	80	41	22	1"	19
40×1-1/4"	80	41	30	1-1/4"	21
40×1-1/2"	80	41	34	1-1/2"	21
50×1-1/4"	92	51	30	1-1/4"	21
50×1-1/2"	92	51	34	1-1/2"	21
50×2"	92	51	44	2"	26
63×1-1/4"	114	64	30	1-1/4"	21
63×1-1/2"	114	64	33	1-1/2"	21
63×2"	114	64	46	2"	26
63×2-1/2"	114	64	61.5	2-1/2"	30
75×2-1/2"	128	76	59	2-1/2"	30
75×3"	128	76	68	3"	33
90×3"	152	91	70	3"	33
90×4"	152	91	91	4"	38
110×4"	182	111	89	4"	38



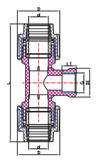
ITEM NO:PT005

TEE

Nom Size	D	d	L
16	38	18.3	104.59
20	44	21	125
25	56	26	158
32	65	33	189
40	80	41	239
50	92	51	262
63	114	64	303
75	128	76	365
90	152	91	420
110	182	111	482

WRAS APPROVED PRODUCT Water Mark ACS SR-CU PG CE

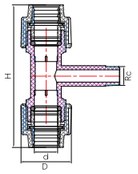
(EN ISO15874AS/NZS4129) PP COMPRESSION FITTINGS VALVES&FILTERS



ITEM NO:PT006

FEMALE THREAD TEE

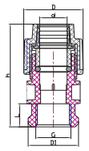
Nom Size	D	d	D1	G	L1	L
16×1/2"	38	18.3	29.7	1/2"	16.5	104.59
20×1/2"	44	21	31.6	1/2"	16	125
20×3/4"	44	21	38.6	3/4"	19	125
25×1/2"	56	26	31.6	1/2"	16	158
25×3/4"	56	26	38.6	3/4"	19	158
25×1"	56	26	47.4	1"	22	158
32×1/2"	65	33	31.6	1/2"	16	189
32×3/4"	65	33	38.6	3/4"	19	189
32×1"	65	33	47.4	1"	22	189
32×1-1/4"	65	33	62	1-1/4"	24	182
40×1"	80	41	47.4	1"	22	229
40×1-1/4"	80	41	62.0	1-1/4"	24	239
40×1-1/2"	80	41	67.0	1-1/2"	24	229
50×1/2"	92	51	31.6	1/2"	16	228
50×1"	92	51	47.4	1"	22	262
50×1-1/4"	92	51	62	1-1/4"	24	247
50×1-1/2"	92	51	67.0	1-1/2"	24	262
50×2"	92	51	81.2	2"	28	262
63×1"	114	64	47.4	1"	22	303
63×1-1/4"	114	64	62	1-1/4"	24	291
63×1-1/2"	114	64	67	1-1/2"	24	291
63×2"	114	64	81.2	2"	28	303
63×2-1/2"	114	64	105	2-1/2"	33	291
75×2"	128	76	81.2	2"	28	354
75×2-1/2"	128	76	105	2-1/2"	35	365
75×3"	128	76	126	3"	33	354
90×2-1/2"	152	91	105	2-1/2"	40	408
90×3"	152	91	126	3"	35	420
90×4"	152	91	157	4"	40	408
110×3"	182	111	126	3"	35	482
110×4"	182	111	157	4"	40	482



ITEM NO:PT022

LONG MALE TEE

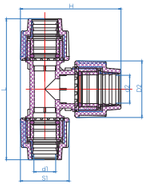
Nom Size	D	d	H	Rc
25×1/2"	56	26	158.22	1/2"



ITEM NO:PT008

FEMALE THREAD SOCKET

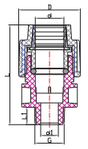
Nom Size	D	d	D1	G	L	h
16×1/2"	38	18.3	29.7	1/2"	15.8	59.29
20×1/2"	44	21	31.6	1/2"	16	75
20×3/4"	44	21	38.6	3/4"	19	78
20×1"	44	21	47.4	1"	22	81
25×1/2"	56	26	31.6	1/2"	16	92
25×3/4"	56	26	38.6	3/4"	19	95
25×1"	56	26	47.4	1"	22	98
32×1/2"	65	33	31.6	1/2"	16	182
32×3/4"	65	33	38.6	3/4"	19	107
32×1"	65	33	47.4	1"	22	110
32×1-1/4"	65	33	62	1-1/4"	24	109
40×1"	80	41	47.4	1"	22	130
40×1-1/4"	80	41	62	1-1/4"	24	137
40×1-1/2"	80	41	67	1-1/2"	24	132
50×1-1/4"	92	51	62	1-1/4"	24	151
50×1-1/2"	92	51	67	1-1/2"	24	151
50×2"	92	51	81.2	2"	28	155
63×1-1/4"	114	64	62	1-1/4"	24	156
63×1-1/2"	114	64	67	1-1/2"	24	161
63×2"	114	64	81.2	2"	28	165
75×2"	128	76	81.2	2"	28	188
75×2-1/2"	128	76	105	2-1/2"	33	193
75×3"	128	76	126	3"	35	195
90×2"	152	91	81.2	2"	28	202
90×2-1/2"	152	91	105	2-1/2"	33	212
90×3"	152	91	126	3"	35	214
90×4"	152	91	157	4"	40	219
110×2"	182	111	81.2	2"	28	228
110×3"	182	111	126	3"	35	235
110×4"	182	111	157	4"	40	240



ITEM NO:PT023

TEE WITH INCREASED TAKE OFF

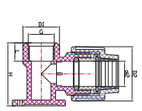
Nom Size	D	d1	D2	d2	L	H
25×25×32	56	26	65	33	162	115.5
32×32×40	65	33	80	41	183.8	148.3
40×40×50	80	41	92	51	231.6	177.5



ITEM NO:PT009

MALE THREAD SOCKET

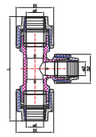
Nom Size	D	d	d1	R	L1	L
16×1/2"	38	18.3	12	1/2"	14	57.49
20×1/2"	44	21	12	1/2"	14	73
20×3/4"	44	21	16	3/4"	16	75
20×1"	44	21	22	1"	19	78
25×1/2"	56	26	12	1/2"	14	90
25×3/4"	56	26	16	3/4"	16	92
25×1"	56	26	22	1"	19	95
32×1/2"	65	33	12	1/2"	13	98.9
32×3/4"	65	33	16	3/4"	16	104
32×1"	65	33	22	1"	19	107
32×1-1/4"	65	33	30	1-1/4"	21	109
40×1"	80	41	22	1"	19	132
40×1-1/4"	80	41	30	1-1/4"	21	135
40×1-1/2"	80	41	34	1-1/2"	21	135
40×2"	80	40	46	2"	26	129.3
50×1"	92	51	22	1"	19	142.5
50×1-1/4"	92	51	30	1-1/4"	21	148
50×1-1/2"	92	51	34	1-1/2"	21	148
50×2"	92	51	46	2"	26	153
63×1-1/4"	114	64	30	1-1/4"	21	154
63×1-1/2"	114	64	34	1-1/2"	21	158
63×2"	114	64	46	2"	26	163
63×2-1/2"	114	64	59	2-1/2"	30	163
75×2"	128	76	46	2"	26	186
75×2-1/2"	128	76	59	2-1/2"	30	190
75×3"	128	76	70	3"	33	193
90×2"	152	91	46	2"	36	205
90×2-1/2"	152	91	59	2-1/2"	30	209
90×3"	152	91	70	3"	33	212
90×4"	152	91	89	4"	38	217
110×2"	182	111	46	2"	26	226
110×3"	182	111	70	3"	33	233
110×4"	182	111	89	4"	38	238



ITEM NO:PT004

FEMALE THREAD ELBOW WITH BRACKET

Nom Size	D	d1	L	D2	d2	H
25×3/4"	37	3/4"	19	56	26	65



ITEM NO:PT010

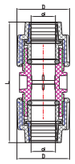
REDUCING TEE

Nom Size	D1	d1	D2	d2	L
20×25	44	21	56	26	125
25×20	56	26	44	21	158
32×20	65	33	44	21	179.5
32×25	65	33	56	26	189
40×25	80	41	56	26	233
40×32	80	41	65	33	239
50×25	92	51	56	26	256.3
50×32	92	51	65	33	262
50×40	92	51	80	41	262
63×25	114	64	56	26	259
63×32	114	64	65	33	285.2
63×40	114.07	64	80	41	293.23
63×50	114	64	92	51	303
75×50	128	76	92	51	352
75×63	128	76	114	64	365
90×63	152	91	114	64	408.2
90×75	152	91	128	76	420
110×90	182	111	152	91	482

ITEM NO:PT011

REDUCING SOCKET

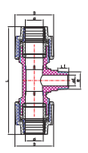
Nom Size	D1	d1	D2	d2	L
25×20	56	26	44	21	117
32×20	65	33	44	21	129
32×25	65	33	56	26	143
40×25	80	41	56	26	168
40×32	80	41	65	33	174
50×25	92	51	56	26	163
50×32	92	51	65	33	188
50×40	92	51	80	41	207
63×25	114	64	56	26	175
63×32	114	64	65	33	198
63×40	114	64	80	41	200.3
63×50	114	64	92	51	227
75×50	128	76	92	51	250
75×63	128	76	114	64	256
90×63	152	91	114	64	275
90×75	152	91	128	76	295
110×90	182	111	152	91	332



ITEM NO:PT012

SOCKET

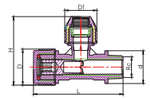
Nom Size	D	d	L
16	38	18.3	80.59
20	44	21	100
25	56	26	130
32	65	33	149
40	80	41	193
50	92	51	216
63	114	64	233
75	128	76	276
90	152	91	311
110	182	111	350



ITEM NO:PT007

MALE THREAD TEE

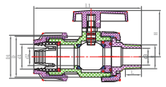
Nom Size	D	d	D1	R	L1	L
20×1/2"	44	21	12	1/2"	14	125
20×3/4"	44	21	16	3/4"	16	125
25×1/2"	56	26	12	1/2"	14	158
25×3/4"	56	26	16	3/4"	16	158
25×1"	56	26	22	1"	19	152
32×1/2"	65	33	12	1/2"	14	189
32×3/4"	65	33	16	3/4"	16	182
32×1"	65	33	22	1"	19	189
32×1-1/4"	65	33	30	1-1/4"	21	182
40×1"	80	41	22	1"	19	229
40×1-1/4"	80	41	30	1-1/4"	21	239
40×1-1/2"	80	41	34	1-1/2"	21	239
50×1-1/4"	92	51	30	1-1/4"	21	255
50×1-1/2"	92	51	34	1-1/2"	21	262
50×2"	92	51	46	2"	26	262
63×1-1/2"	114	64	46	1-1/2"	21	271
63×2"	114	64	46	2"	26	303
63×2-1/2"	114	64	59	2-1/2"	30	301
75×2-1/2"	128	76	59	2-1/2"	30	365
75×3"	128	76	70	3"	33	354
90×3"	152	91	70	3"	33	420
90×4"	152	91	89	4"	38	420
110×4"	182	111	89	4"	38	482



ITEM NO:PT034

TAPPING FERRULE

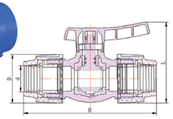
Nom Size	D	D1	d1	L	H	Rc
20×1"	51.5	46	47	128.2	98.1	1"
25×1"	51.5	53.8	47	128.2	109.5	1"
32×1"	51.5	64	47	128.2	126.4	1"
20×1-1/4"	51.5	46	47	128.2	98.1	1-1/4"
25×1-1/4"	51.5	53.8	47	128.2	109.5	1-1/4"
32×1-1/4"	51.5	64	47	128.2	126.4	1-1/4"



ITEM NO:PT016

PP MALE UNION VALVE

Nom Size	d1	d2	D1	D	L	L1	d3	R	H
20	21.6	15	42.4	40	16	112.7	13.5	1/2"	47.4
25	26	22	49	48	17.5	127.32	18	3/4"	56.3
32	34	24	59	56	22	22	23	1"	63.4
40	41.1	32	71.5	63.7	23.1	196	28.8	1-1/4"	75.2
50	52.4	40	85	76.5	23	216	35	1-1/2"	84.4
63	65.9	50	104.5	95	27	246	46	2"	99.2



ITEM NO:PT032

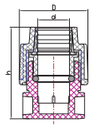
PP DOUBLE UNION VALVE

Nom Size	D	d	L	H
20	44	23.6	72.9	122
25	56	28.9	86.4	152.3
32	65	36.6	99.1	175.4
40	80	46.7	112.2	207.9
50	92	56.7	133.4	254.3
63	114	68.8	166.5	288.2

PP COMPRESSION FITTINGS VALVES&FILTERS (EN ISO15874AS/NZS4129)

WRAS APPROVED PRODUCT

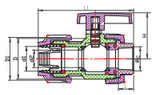
CE PG SR-CU ACS



ITEM NO:PT013

END CAP

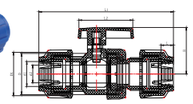
Nom Size	D	d	h
20	44	21	59
25	56	26	76
32	65	33	88
40	80	41	113
50	92	51	127
63	114	64	137
75	128	76	160
90	152	91	179
110	182	111	200



ITEM NO:PT017

PP FEMALE UNION VALVE

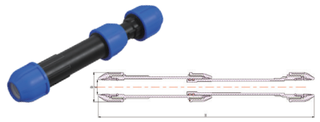
Nom Size	d1	d2	D1	D	L	L1	Rc	L
20	21.6	15	42.4	40	16	104	1/2"	47.4
25	26	22	49	48	17.5	117	3/4"	56.3
32	34	24	59	56	22	131	1"	63.4
40	41.1	32	71.5	63.7	27.5	171	1-1/4"	75.2
50	52.4	40	85	76.5	30.5	194	1-1/2"	84.4
63	65.9	50	104.5	95	37.2	223	2"	99.2



ITEM NO:PT015

COMPRESSION TRUE UNION BALL VALVE

Nom Size	D	D1	d1	d2	L	L1	L2	H
20	40	42.4	21.6	15	13.5	143.6	55.5	47.4
25	48	49	26	22	16	164.82	64	56.3
32	56	59	34	24	17	183.1	73.3	63.4
40	63.7	71.5	41.1	32	34.9	256	99.2	75.2
50	76.5	85	52.4	40	38.4	287	116.6	74.4
63	95	104.5	65.9	50	39.8	320	126.5	99.2



ITEM NO:PT031

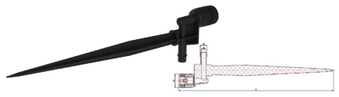
PP EXPANSION COUPLING

Nom Size	D	d	H
25X1"	53.8	26.5	401.5

ITEM NO:PT033

STAKE T YPE

Nom Size	D	d	D1	H
324	14.5	8.4	28.1	324.1



ITEM NO:PT033

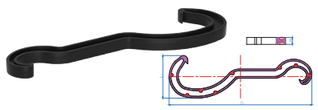
STAKE L YPE

Nom Size	D	d	D1	H
329	14.3	9.3	28.1	327.9

ITEM NO:PT014

FLANGE

Nom Size				
40×1-1/2"	50X1-1/2"	50X2"	63X2"	63X2-1/2"
75×2-1/2"	75X3"	90X3"	90X4"	110X4"



ITEM NO:PT018

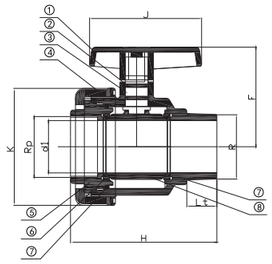
SPANNER

Nom Size	D	L	H
16-32-40-75	389.2	116	19
75-110	407	144.5	22

WRAS APPROVED PRODUCT

ACS SR-CU PG CE

(EN ISO15874AS/NZS4129) PP COMPRESSION FITTINGS VALVES&FILTERS



ITEM NO:UMF01

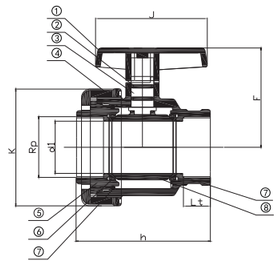
SINGLE UNION BALL VALVE M/F

NO.	PART	MATERIAL	QTY
1	Handle	PVC PP	1
2	Stem O-Ring	EPDM	2
3	Stem	PVC PP	1
4	Union Nut	PVC PP	1

NO.	PART	MATERIAL	QTY
5	End Connector	PVC PP	1
6	Seal Seat	TPE	2
7	Carrier O Ring	EPDM	1
8	Ball	PVC PP	1

SINGLE UNION BALL VALVE M/F

Nom Size	DN	Lt	H	F	J	K	d1
3/4"×3/4"	20	16	80	58	65	59	19
1"×1"	25	17	90	67	75	67	23
1-1/4"×1-1/4"	32	21	106	76	85	79	32
1-1/2"×1-1/2"	40	24	126	83	94	93	39
2"×2"	50	26	145	101	109	114	46
2-1/2"×2-1/2"	65	28	177	127	138	144	64
3"×3"	80	35	204	143	158	168	76
4"×4"	100	37	250	169	180	210	97



ITEM NO:UFF01

SINGLE UNION BALL VALVE F/F

NO.	PART	MATERIAL	QTY
1	Handle	PVC PP	1
2	Stem O-Ring	EPDM	2
3	Stem	PVC PP	1
4	Union Nut	PVC PP	1

NO.	PART	MATERIAL	QTY
5	End Connector	PVC PP	1
6	Seal Seat	TPE	2
7	Carrier O Ring	EPDM	1
8	Ball	PVC PP	1

SINGLE UNION BALL VALVE M/F

Nom Size	DN	Lt	H	F	J	K	d1
3/4"×3/4"	20	20	81	58	65	59	19
1"×1"	25	22	91	67	75	67	23
1-1/4"×1-1/4"	32	25	101	76	85	79	32
1-1/2"×1-1/2"	40	25	109	83	94	93	39
2"×2"	50	29	135	101	109	114	46
2-1/2"×2-1/2"	65	36	/	127	138	144	64
3"×3"	80	36	180	143	158	168	76
4"×4"	100	49	228	169	180	210	97

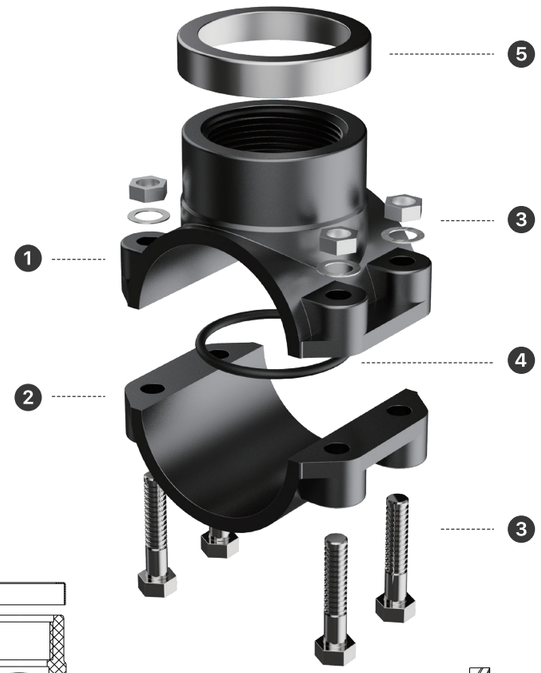
Saddle clamps

FEATURES

Material: PP
To be installed on pipes confirming to:

- PE: EN 12201 / ISO 3607 / ISO 14236 / DIN 8072 / DIN 8074 / UNI 10910
- PP: ISO 3609 / DIN 8077 / UNI 8318
- PVC-U: EN 1452-2

Fig.	Parts	Material
1	Upper Body	PP
2	Lower Body	PP
3	Bolts and Nuts	Zinc Plated Steel
4	O-Ring	NBR
5	Reinforce Ring	Stainless Steel

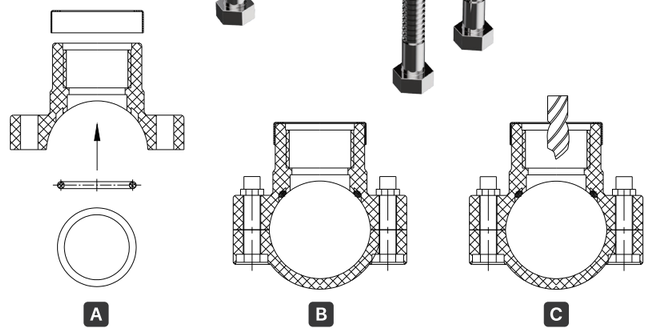


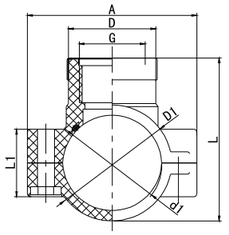
ASSEMBLY

A Clean the external surface of the pipe Be sure that the O-Ring is in its position.

B Couple the upper portion of the saddle with the lower one on the pipe. Insert the bolts, screw in the nuts and tighten the bolts diagonally opposite each other.

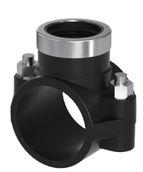
C Drill a hole in the pipe wall. Do not damage the O-Ring or the pipe near the seal zone. Use the right tools.

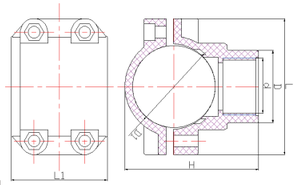




Nom Size	D	G	D1	d1	L1	L	A
25×1/2"	31	1/2"	34	25	26	50	76
25×3/4"	37	3/4"	34	25	26	52	76
32×1/2"	31	1/2"	41	32	27	51	78
32×3/4"	37	3/4"	41	32	27	53	78
32×1"	44	1"	41	32	27	56	84
40×1/2"	37	1/2"	50	40	32	66	85
40×3/4"	37	3/4"	50	40	32	68.5	85
40×1"	44	1"	50	40	32	71.5	85
50×1/2"	44	1/2"	60	50	34	76	85
50×3/4"	44	3/4"	60	50	34	78	85.5
50×1"	44	1"	60	50	34	81.4	85.5
50×1-1/4"	53	1-1/4"	60	50	34	85	85.5
63×1/2"	31	1/2"	74.2	63	36	90.2	96
63×3/4"	37	3/4"	74.2	63	36	92.2	100
63×1"	44	1"	74.2	63	36	97.0	100
63×1-1/4"	53	1-1/4"	74.2	63	36	98.2	100
63×1-1/2"	61.6	1-1/2"	74.2	63	36	98.2	100
75×1/2"	31	1/2"	89	75	45	105	100
75×3/4"	37	3/4"	89	75	45	107	117.6
75×1"	44	1"	90.2	75	45	108	117.6
75×1-1/4"	53	1-1/4"	89	75	45	110.5	117.6
75×1-1/2"	61.6	1-1/2"	89	75	45	108	117.6
75×2"	74	2"	89	75	45	112.5	117.57
90×1/2"	31.2	1/2"	105	90	44	121	117.6
90×3/4"	37	3/4"	105	90	44	123	138
90×1"	44	1"	105	90	44	126	138

Nom Size	D	G	D1	d1	L1	L	A
90×1-1/4"	53	1-1/4"	105	90	44	129	138
90×1-1/2"	61.6	1-1/2"	105	90	44	129	138
90×2"	74	2"	105	90	44	129	138
110×1/2"	31	1/2"	126.4	110	37.2	142	158
110×3/4"	37	3/4"	126.4	110	37.2	142.2	158
110×1"	44	1"	126.4	110	37.0	147.2	158
110×1-1/2"	61.6	1-1/2"	126.4	110	37.2	148.7	158
110×1-1/4"	53	1-1/4"	126.4	110	37.2	148.7	158
110×2"	73.4	2"	126.3	110	37.2	147.2	158
110×3"	104	3"	126.4	110	37.2	158.7	158
125×1/2"	31	1/2"	142.8	125	37.2	160.2	175
125×3/4"	37	3/4"	142.8	125	37.2	160.4	175
125×1"	44	1"	143	125	32.2	164	175
125X1×1/2"	62	1-1/2"	142.8	125	37.2	164.4	175
125×2"	74.5	2"	142.8	125	37.2	165.2	175
140×3/4"	37	3/4"	159.2	140	37.2	178.1	192
140×1-1/2"	65	1-1/2"	159.2	140	37.2	184.6	192
140×2"	74.5	2"	159.2	140	37.2	188.8	192
160×1/2"	31	1/2"	181	160	51	200.5	211
160×1"	44	1"	181	160	51	200.5	211
160×2"	73.4	2"	181	160	51	200.5	211
160×3"	104	3"	181	160	51	212	211
160×4"	133	4"	181	160	51	220	211
200×2"	73.4	2"	222.6	200	57.6	244.9	265
200×3"	104	3"	181	200	57.6	256.2	255.3
200×4"	133	4"	222.6	200	57.6	262.1	265.2

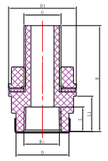




ITEM NO:PCS03

SADDLE ANSI

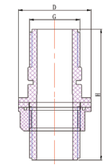
Nom Size	d	D1	D	L	L1	H
1-1/2"×1/2"	1/2"	48.2	31	85.5	52.6	76.2
1-1/2"×3/4"	3/4"	48.2	37	85.5	52.6	78.2
1-1/2"×1"	1"	48.2	44	85.5	52.6	81.6
1-1/2"×1-1/4"	1-1/4"	48.2	53	96	60.6	85.2
2×1/2"	1/2"	60.3	31	100	70	89.5
2×3/4"	3/4"	60.3	37	100	70	91.5
2×1"	1"	60.3	44	100	70	96.4
2×1-1/4"	1-1/4"	60.3	53	100	70	97.5
2×1-1/2"	1-1/2"	60.3	62	100	70	97.5



ITEM NO:PTC01

TANK CONNECTOR M/F

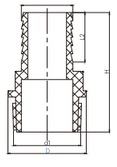
Nom Size	Rc	D	D1	L	L1	H	G
1/2"	1/2"	40	45	15	20	70	1/2"
3/4"	3/4"	44	48	17.6	25.36	76	3/4"
1"	1"	55	60	22	31.7	95	1"
1-1/4"	1-1/4"	70	75.5	27	35.6	121	1-1/4"
1-1/2"	1-1/2"	72	78	27.5	37.7	129	1-1/2"
2"	2"	86	93	31	43.7	157.5	2"
3"	3"	90	99	35	46	162	3"



ITEM NO:PTC04

PP TANK CONNECTOR M/M

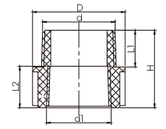
Nom Size	G	D	H
1/2"	1/2"	32	67.6
3/4"	3/4"	38	68.7
1"	1"	44.5	78.5
1-1/4"	1-1/4"	54	87.5
1-1/2"	1-1/2"	57	92
2"	2"	77	99



ITEM NO:PT019

HOSE ADAPTOR

Nom Size	D	d	d1	L1	L2	H
1/2"	23	15	Rc1/2"	15	21	47.1
3/4"	31	20	Rc3/4"	16	23	52.6
1"	38	25	Rc1"	17	24	58
1-1/4"	48.5	32	Rc1-1/4"	18	30	64
1-1/2"	52	40	Rc1-1/2"	18	35	70
2"	65	50	Rc2"	20.5	39	79
2-1/2"	81.8	65	Rc2-1/2"	23.7	49	98
3"	94.5	80	Rc3"	28.5	72	127.7
4"	119	100	Rc4"	28.5	75.8	129.5



ITEM NO:PT020

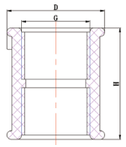
MALE & FEMALE REDUCER

Nom Size	D	d	d1	L1	L2	H
3/4"×1/2"	33	Rc3/4"	Rc1/2"	18	23	41
1"×3/4"	41	Rc1"	Rc3/4"	19	20	39
1-1/4×1"	50	Rc1-1/4"	Rc1"	20.5	22	42.5
1-1/2"×1-1/4"	60	Rc1-1/4"	Rc1-1/4"	23	26	48.5
2"×1-1/2"	66.5	Rc2"	Rc1-1/2"	24	24	51
2-1/2"×2"	81	Rc2-1/2"	Rc2"	26.5	29.5	61
3"×2-1/2"	96.5	Rc3"	Rc2-1/2"	34	30.5	73

PP COMPRESSION FITTINGS VALVES&FILTERS (EN ISO15874AS/NZS4129)

WRAS APPROVED PRODUCT

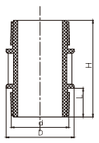
CE SR-CU ACS



ITEM NO:PTC03

TANK CONNECTOR M/F + COUPLER

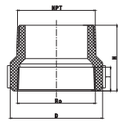
Nom Size	D	G	H
1"	45.8	1"	52
1-1/2"	63.6	1-1/2"	49.5



ITEM NO:PT021

MALE THREAD NIPPLE

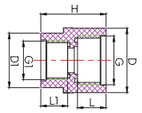
Nom Size	D	d	L	H
1/2"	28	Rc1/2"	20.5	63.5
3/4"	33	Rc3/4"	19.5	67
1"	38	Rc1"	20	68
1-1/4"	48.5	Rc1-1/4"	20.5	69
1-1/2"	55.5	Rc1-1/2"	24.5	77.5
2"	72	Rc2"	25.5	78
2-1/2"	83	Rc2-1/2"	26.5	82.5
3"	96	Rc3"	31.5	92
4"	123	Rc4"	35	100



ITEM NO:PEC01

BSPT&NPT THREAD TRANSFER SOCKET

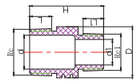
Nom Size	D	Rc	NPT	I	H
2-1/2"	90.4	2-1/2"	2-1/2"	34	87.5
3"	104.4	3"	3"	35	95.3
4"	134	4"	4"	35	97



ITEM NO:PT025

FEMALE REDUCING COUPLING WITH O RING

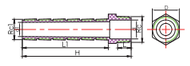
Nom Size	D	D1	G	G1	L	L1	H
1"×3/4"	44.1	37.3	1"	3/4"	19.6	18.4	44.7



ITEM NO:PT028

MALE REDUCING COUPLING WITH O RING

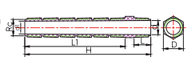
Nom Size	D	d	d1	Rc	RC1	L	L1	H
1"×3/4"	36	23.8	18	1"	3/4"	15.5	14.4	52.1



ITEM NO:PT029

LONG MALE REDUCING COUPLING

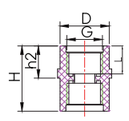
Nom Size	D	d	d1	Rc	RC1	L	L1	H
1"×3/4"	34	23.8	17.8	1"	3/4"	17	108	136.7



ITEM NO:PT030

LONG MALE COUPLING

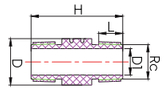
Nom Size	D	d	d1	Rc	L	L1	H
1/2"	21.5	15.2	13.8	1/2"	18	108	135.7
3/4"	26.5	19.6	17.8	3/4"	18	108	135.7



ITEM NO:PT026

FEMALE COULING WITH O RING

Nom Size	D	G	H	h1	h1	L
1/2"	29	1/2"	38.5	13.5	19	16.5
3/4"	37.3	3/4"	43	15.5	21.5	18.4



ITEM NO:PT027

MALE COUPLING WITH O RING

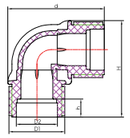
Nom Size	D	D1	H	L	Rc
1/2"	24.2	13.7	47.7	12.5	1/2"
3/4"	30	18	51	14.4	3/4"

III PP COMPRESSION FITTINGS

PN16 SERIES

Pressure

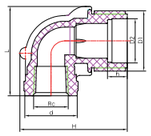
III PP COMPRESSION FITTINGS (EN ISO15874AS/NZS4129) ACS WRAS APPROVED PRODUCT



ITEM NO:PTIII001

90°ELBOW

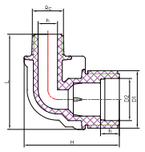
Nom Size	D1	D2	d	H	h
20	36.8	27	63.7	63.7	12
25	42.5	32.8	73	73	13.4
32	51.2	40.8	86.65	86.65	16
40	61.8	50.8	99	99	20.3
50	74.9	61.6	117.2	117.2	21.5
63	91	76	138.5	138.5	24.2



ITEM NO:PTIII002

FEMALE THREAD ELBOW

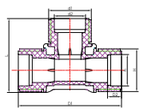
Nom Size	D1	D2	L	H	h	d	Rc
20×1/2"	36.8	27	54.5	64.48	12	32	1/2"
20×3/4"	36.8	27	56	67.35	12	36.7	3/4"
25×1/2"	42.5	32.8	59.5	69.98	13.4	32	1/2"
25×3/4"	42.5	32.8	64.5	69.85	13.4	36.7	3/4"
32×1"	51.2	40.8	75	90.5	16	47	1"
40×1-1/4"	61.8	50.8	86	99.5	20.3	54	1-1/4"
50×1-1/2"	74.9	61.6	99.7	112	21.5	62	1-1/2"
63×2"	91	76	118.5	135.5	24.2	77	2"



ITEM NO:PTIII003

MALE THREAD ELBOW

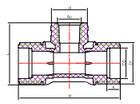
Nom Size	D1	D2	L	H	h	d	Rc
20×1/2"	36.8	27	60.95	60.95	12	12.5	1/2"
20×3/4"	36.8	27	57.25	64.25	12	17.8	3/4"
25×3/4"	42.5	32.8	66	71	13.4	17.8	3/4"
32×1"	51.2	40.8	78.65	84.5	16	21.6	1"
40×1-1/4"	61.8	50.8	92	101.75	20.3	30	1-1/4"
50×1-1/2"	74.9	61.6	104.7	108.7	21.5	35	1-1/2"
63×2"	91	76	130.5	132	24.2	45.7	2"



ITEM NO:PTIII005

STRAIGHT TEE

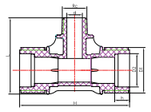
Nom Size	D1	D2	L	d1	d2	H	h
20	89	12	63.7	36.8	27	36.8	27
25	101	13.4	73	42.5	32.8	42.5	32.8
32	120	16	86.65	51.2	40.8	51.2	40.8
40	132	20.3	99	61.8	50.8	61.8	50.8
50	155	21.5	117.2	74.9	61.6	74.9	61.6
63	180	24.2	138.5	91	76	91	76



ITEM NO:PTIII006

FEMALE THREAD TEE

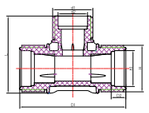
Nom Size	D1	D2	L	H	h	d	Rc
20×1/2"	36.8	27	55.1	90.5	12	32	1/2"
20×3/4"	36.8	27	54.2	97	12	36.7	3/4"
25×3/4"	42.5	32.8	67.35	97	13.4	36.7	3/4"
32×1"	51.2	40.8	82.65	110	16	47	1"
40×1-1/4"	61.8	50.8	95	132	20.3	52	1-1/4"
50×1-1/2"	74.9	61.6	107.7	147	22	60	1-1/2"
63×2"	91	76	128.5	180	24.2	77	2"



ITEM NO:PTIII007

MALE THREAD TEE

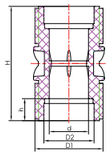
Nom Size	D1	D2	L	H	h	d	Rc
20	36.8	27	61.7	89	12	12.5	1/2"
25	42.5	32.8	61.7	97	13.4	17.8	3/4"
32	51.2	40.8	78.65	110	16	21.6	1"
40	61.8	50.8	91	132	20.3	30	1-1/4"
50	74.9	61.6	104.7	147	21.5	35	1-1/2"
63	91	76	128.5	180	24.2	45.7	2"



ITEM NO:PTIII010

REDUCING TEE

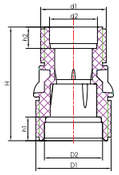
Nom Size	D1	D2	L	d1	d2	H	h
25×20	97	13.4	70.5	36.8	27	42.5	32.8
32×20	110	16	79.65	36.8	27	51.2	40.8
32×25	110	16	82.65	42.5	32.8	51.2	40.8



ITEM NO:PTIII012

SOCKET

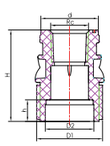
Nom Size	D1	D2	d	H	h
20	36.8	27	21.2	61.8	12
25	42.5	32.8	26.3	67.5	13.4
32	51.2	40.8	33.2	81	16
40	61.8	51.8	41	92	20.3
50	74.9	61.6	51.3	104	21.5
63	91	76	63.7	116	24.2
75	103	88.5	77.7	126	27.5
90	123	105	92	135	33.5
110	148	126	112.7	143	33.5



ITEM NO:PTIII011

REDUCING SOCKET

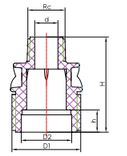
Nom Size	D1	D2	H	h1	h2	d1	d2
25×20	42.5	32.8	64	13.4	12	36.8	27
32×20	51.2	40.8	75	16	12	36.8	27
32×25	51.2	40.8	78	16	13.4	42.5	32.8
40×32	61.8	50.8	87	20.3	16	51.2	40.8
50×32	74.9	61.6	97	21.5	16	51.2	40.8
50×40	74.9	61.6	99	21.5	20.3	61.8	50.8
63×50	91	76	113	24.2	21.5	74.9	61.6



ITEM NO:PTIII008

FEMALE THREAD SOCKET

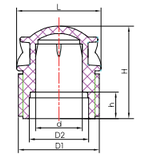
Nom Size	D1	D2	H	h	d	Rc
20×1/2"	36.8	27	51	12	32	1/2"
20×3/4"	36.8	27	52	12	36.7	3/4"
25×1/2"	42.5	32.8	59.6	13.4	32	1/2"
25×3/4"	42.5	32.8	57.6	13.4	36.7	3/4"
25×1"	42.5	32.8	60.6	13.4	47	1"
32×1"	51.2	40.8	64.8	16	47	1"
40×1-1/4"	61.8	50.8	74.6	20.3	52	1-1/4"
50×1-1/2"	74.9	61.6	87.6	21.5	60	1-1/2"
63×2"	91.5	76	96.8	24.2	77	2"



ITEM NO:PTIII009

MALE THREAD SOCKET

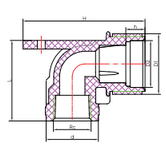
Nom Size	D1	D2	H	h	d	Rc
20×1/2"	36.8	27	51	12	12.5	1/2"
20×3/4"	36.8	27	51	12	17.8	3/4"
20×1"	36.8	27	54	12	21.6	1"
25×1/2"	42.5	32.8	57.6	13.4	12.5	1/2"
25×3/4"	42.5	32.8	57.6	13.4	17.8	3/4"
25×1"	42.5	32.8	61.6	13.4	21.6	1"
32×3/4"	51.2	40.8	60.8	16	17.8	3/4"
32×1"	51.2	40.8	64.8	16	21.6	1"
32×1-1/4"	51.2	40.8	66.8	16	30	1-1/4"
40×1"	61.8	50.8	70	20.3	21.6	1"
40×1-1/4"	61.8	50.8	72.8	20.3	30	1-1/4"
40×1-1/2"	61.8	50.8	74	20.3	35	1-1/2"
50×1-1/2"	74.9	61.6	79.6	21.5	35	1-1/2"
50×2"	74.9	61.6	84.6	21.5	45.7	2"
63×2"	91	76	89.6	24.2	45.7	2"
75×2-1/2"	103	88.5	104.8	27.5	58	2-1/2"
90×3"	123	105.8	108	33.5	70	3"



ITEM NO:PTIII013

END CAP

Nom Size	D1	D2	d	H	h	L
20	36.8	27	21.2	42	12	38.4
25	42.5	32.7	26.3	55	13.4	45
32	51.2	40.8	33.2	58.3	16	53.3
40	61.8	50.8	41	64.5	20.3	66
50	74.9	61.6	51.3	69.5	21.5	79.4
63	91	76	63.7	77.85	24.2	97



ITEM NO:PTIII004

FEMALE THREAD ELBOW WITH EAR

Nom Size	D1	D2	L	H	h	d	Rc
25×3/4"	42.5	32.8	56.5	85.52	13.4	36.7	3/4"

Y TYPE DISC FILTERS

ERA001-F25YD

ERA001-F25YD-N

ERA001-F32YD

ERA001-F32YD-N

ERA001-F40YD

ERA001-F50YD

ERA001-F63YD

ERA001-F75YD

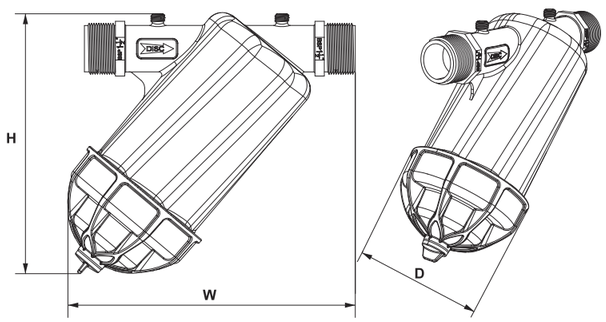
ERA001-F90YD

MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F25YD	3/4″	120	5	8	180	0.39
ERA001-F25YD-N	3/4″	120	5	8	195	0.35
ERA001-F32YD	1″	120	6	8	180	0.39
ERA001-F32YD-N	1″	120	6	8	195	0.35
ERA001-F40YD	1-1/4″	40/80/120/150	10	8	300	0.96
ERA001-F50YD	1-1/2″	40/80/120/150	14	8	300	0.96
ERA001-F63YD	2″	40/80/120/150	25	8	525	1.36
ERA001-F75YD	2-1/2″	40/80/120	30	8	600	2.60
ERA001-F90YD	3″	40/80/120	35	8	600	2.70

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F25YD	173	176	93
ERA001-F25YD-N	173	192	83
ERA001-F32YD	173	176	93
ERA001-F32YD-N	173	192	83
ERA001-F40YD	230	250	120
ERA001-F50YD	230	250	120
ERA001-F63YD	260	290	140
ERA001-F75YD	330	360	168
ERA001-F90YD	330	360	168



TX TYPE DISC FILTERS

ERA001-F40TD

ERA001-F50TD

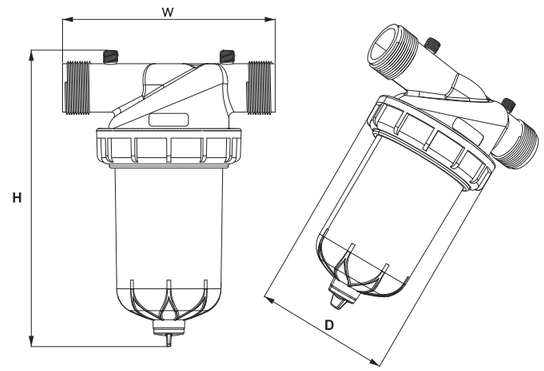
ERA001-F63TD-X

MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F40TD	1-1/4"	40/80/120/150	10	8	300	1.01
ERA001-F50TD	1-1/2"	40/80/120/150	14	8	300	1.01
ERA001-F63TD-X	2"	40/80/120/150	20	8	300	1.03

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F40TD	280	205	139
ERA001-F50TD	280	205	139
ERA001-F63TD-X	280	205	139



Y TYPE DISC FILTERS

ERA001-F63TD

ERA001-F75TD
ERA001-F90TD-X

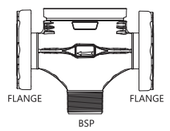
ERA001-F63TD-L
ERA001-F75TD-L
ERA001-F90TD

MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F63TD	2"	40/80/120/150/200/300	30	10	1200	6.2
ERA001-F63TD-L	2"	40/80/120/150/200/300	30	10	1700	8.2
ERA001-F75TD	2-1/2"	40/80/120/150/200/300	40	10	1200	6.4
ERA001-F75TD-L	2-1/2"	40/80/120/150/200/300	40	10	1700	8.3
ERA001-F90TD-X	3"	40/80/120/150/200/300	50	10	1200	6.5
ERA001-F90TD	3"	40/80/120/150/200/300	50	10	1700	8.3

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F63TD	620	320	220
ERA001-F63TD-L	740	320	220
ERA001-F75TD	630	320	220
ERA001-F75TD-L	750	320	220
ERA001-F90TD-X	630	320	220
ERA001-F90TD	750	320	220



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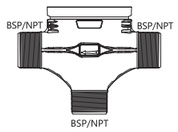

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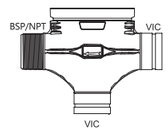

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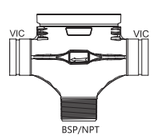

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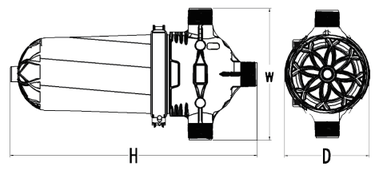


AGL DISC FILTERS

ERA001-F63TD-AGL

ERA001-F63TD-L-AGL

ERA001-F63TD-X-AGL

ERA001-F90TD-AGL

ERA001-F90HD-AGL

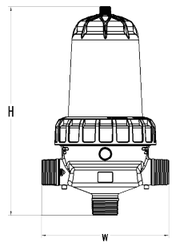
ERA001-F90HDL-AGL

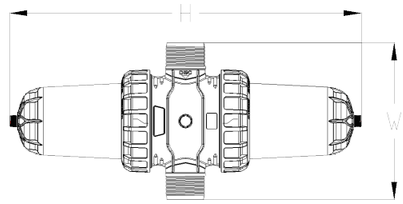
MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F63TD-AGL	2"	40/80/120/150/200/300	30	10	1050	3.6
ERA001-F63TD-L-AGL	2"	40/80/120/150/200/300	30	10	1660	4.8
ERA001-F63TD-X-AGL	3"	40/80/120/150/200/300	40	10	1050	4
ERA001-F90TD-AGL	3"	40/80/120/150/200/300	50	10	1660	5.3
ERA001-F90HD-AGL	3"	40/80/120/150/200/300	55	10	2100	7
ERA001-F90HDL-AGL	3"	40/80/120/150/200/300	60	10	3320	9.5

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F63TD-AGL	620	320	220
ERA001-F63TD-L-AGL	740	320	220
ERA001-F63TD-X-AGL	630	320	220
ERA001-F90TD-AGL	750	320	220
ERA001-F90HD-AGL	630	320	220
ERA001-F90HDL-AGL	750	320	220





H TYPE DISC FILTERS

ERA001-F90HD
ERA001-F110HD

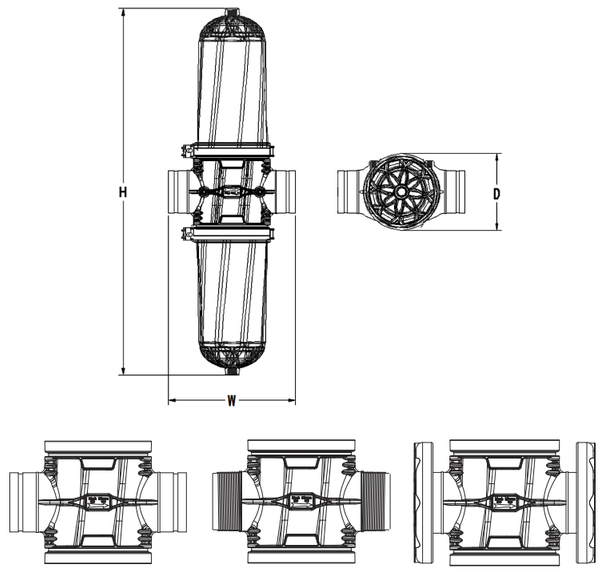
ERA001-F90HD-L
ERA001-F110HD-L

MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F90HD	3"	40/80/120/150/200/300	50	10	2400	10.9
ERA001-F90HD-L	3"	40/80/120/150/200/300	60	10	3400	13.1
ERA001-F110HD	4"	40/80/120/150/200/300	70	10	2400	11.3
ERA001-F110HD-L	4"	40/80/120/150/200/300	100	10	3400	13.5

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F90HD	940	335	220
ERA001-F90HD-L	1200	335	220
ERA001-F110HD	960	340	220
ERA001-F110HD-L	1220	340	220



AUTOMATIC DISC FILTERS

ERA001-F63TDZ

ERA001-F63TDZ-L
ERA001-F90TDZ

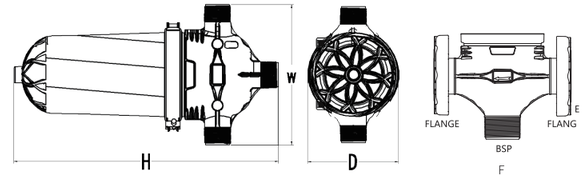
ERA001-F90HDZ ERA001-F90HDZ-L
ERA001-F110HDZ ERA001-F110HDZ-L

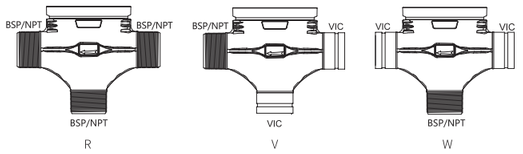
MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F63TDZ	2"	40/80/120/150/200/300	25	10	1020	7.9
ERA001-F63TDZ-L	2"	40/80/120/150/200/300	30	10	1492	9.3
ERA001-F90TDZ	3"	40/80/120/150/200/300	32	10	1492	9.4
ERA001-F90HDZ	3"	40/80/120/150/200/300	50	10	2040	13.7
ERA001-F90HDZ-L	3"	40/80/120/150/200/300	55	10	2984	15.1
ERA001-F110HDZ	4"	40/80/120/150/200/300	50	10	2040	13.7
ERA001-F110HDZ-L	4"	40/80/120/150/200/300	64	10	2984	15.6

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F63TDZ	620	320	220
ERA001-F63TDZ-L	740	320	220
ERA001-F90TDZ	750	340	220
ERA001-F90HDZ	975	340	220
ERA001-F90HDZ-L	1200	340	220
ERA001-F110HDZ	980	340	220
ERA001-F110HDZ-L	1220	340	220





Y TYPE SCREEN FILTERS

ERA001-F25YS

ERA001-F25YS-N

ERA001-F32YS

ERA001-F32YS-N

ERA001-F40YS

ERA001-F50YS

ERA001-F63YS

ERA001-F75YS

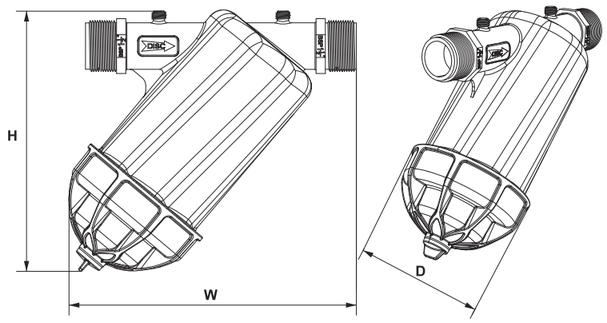
ERA001-F90YS

MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F25YS	3/4"	80/120	5	8	160	0.30
ERA001-F25YS-N	3/4"	120	5	8	190	0.25
ERA001-F32YS	1"	80/120	6	8	160	0.30
ERA001-F32YS-N	1"	120	6	8	190	0.25
ERA001-F40YS	1-1/4"	80/120	10	8	265	0.71
ERA001-F50YS	1-1/2"	80/120	14	8	265	0.72
ERA001-F63YS	2"	80/120	25	8	485	0.98
ERA001-F75YS	2-1/2"	80/120	30	8	565	2.03
ERA001-F90YS	3"	80/120	35	8	565	2.10

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F25YS	173	176	93
ERA001-F25YS-N	173	192	83
ERA001-F32YS	173	176	93
ERA001-F32YS-N	173	192	83
ERA001-F40YS	230	250	120
ERA001-F50YS	230	250	120
ERA001-F63YS	260	290	140
ERA001-F75YS	330	360	168
ERA001-F90YS	330	360	168



TX TYPE SCREEN FILTERS

ERA001-F40TS

ERA001-F50TS

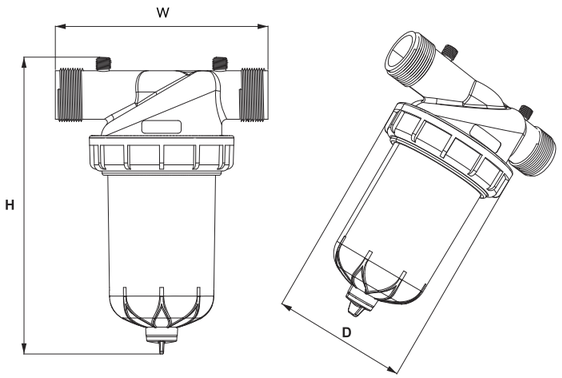
ERA001-F63TS-X

MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F40TS	1-1/4"	80/120	10	8	265	0.81
ERA001-F50TS	1-1/2"	80/120	14	8	265	0.83
ERA001-F63TS-X	2"	80/120	20	8	265	0.85

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F40TS	280	205	139
ERA001-F50TS	280	205	139
ERA001-F63TS-X	280	205	139



T TYPE SCREEN FILTERS

ERA001-F63TS

ERA001-F75TS
ERA001-F90TS-X

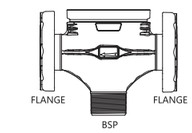
ERA001-F63TS-L
ERA001-F75TS-L
ERA001-F90TS

MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F63TS	2"	40/80/120/150/200/300	30	10	1200	4.8
ERA001-F63TS-L	2"	40/80/120/150/200/300	30	10	1700	5.3
ERA001-F75TS	2-1/2"	40/80/120/150/200/300	40	10	1200	4.9
ERA001-F75TS-L	2-1/2"	40/80/120/150/200/300	40	10	1700	5.5
ERA001-F90TS-X	3"	40/80/120/150/200/300	50	10	1200	5.1
ERA001-F90TS	3"	40/80/120/150/200/300	50	10	1700	5.8

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F63TS	620	320	220
ERA001-F63TS-L	740	320	220
ERA001-F75TS	630	320	220
ERA001-F75TS-L	750	320	220
ERA001-F90TS-X	630	320	220
ERA001-F90TS	750	320	220



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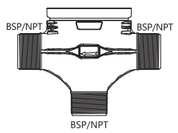

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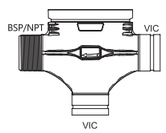

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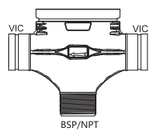

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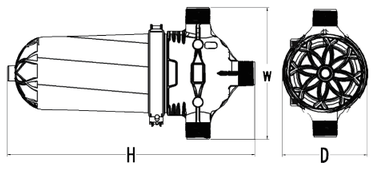


H TYPE SCREEN FILTERS

ERA001-F90HS
ERA001-F110HS

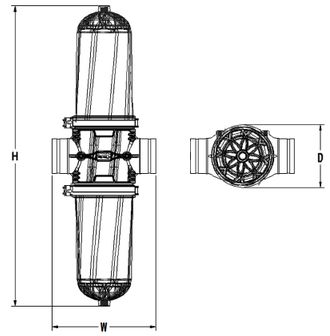
ERA001-F90HS-L
ERA001-F110HS-L

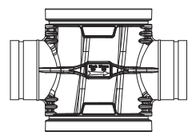
MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F90HS	3"	80/120	50	10	1630	7.8
ERA001-F90HS-L	3"	80/120	60	10	2174	9.2
ERA001-F110HS	4"	80/120	70	10	1630	8.2
ERA001-F110HS-L	4"	80/120	100	10	2174	9.6

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)
ERA001-F90HS	940	335	220
ERA001-F90HS-L	1200	335	220
ERA001-F110HS	960	340	220
ERA001-F110HS-L	1220	340	220





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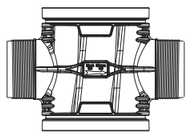
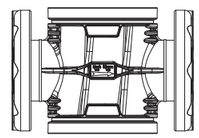


BSP/NPT



FLANGE

SPRIAL CLEAN SEMI-AUTOMATIC SCREEN FILTER

ERA001-F63SC

ERA001-F63SC-L

ERA001-F90CS-X

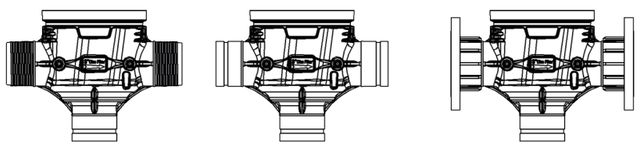
ERA001-F90CS

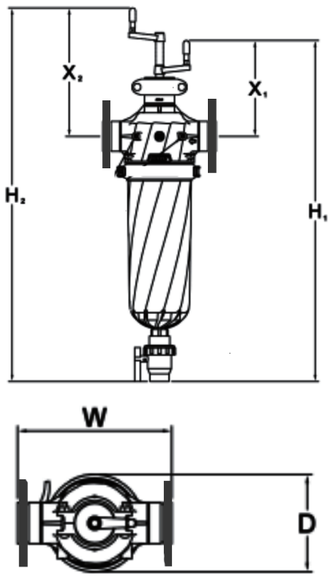
MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	WORKING PRESSURE (bar)	FILTERING SURFACE (cm^2)	WEIGHT (kg)
ERA001-F63SC	2"	120	50	10	890	8.3
ERA001-F63SC-L	2"	120	60	10	1190	10.1
ERA001-F90CS-X	3"	120	70	10	890	8.5
ERA001-F90CS	3"	120	100	10	1190	10.45

DIMENSION

MODEL	H1(mm)	H2(mm)	W(mm)	X1(mm)	X2(mm)	D(mm)
ERA001-F63SC	905	960	345	280	335	220
ERA001-F63SC-L	1030	1085	345	200	355	220
ERA001-F90CS-X	920	975	360	280	335	220
ERA001-F90CS	1045	1100	360	300	355	220





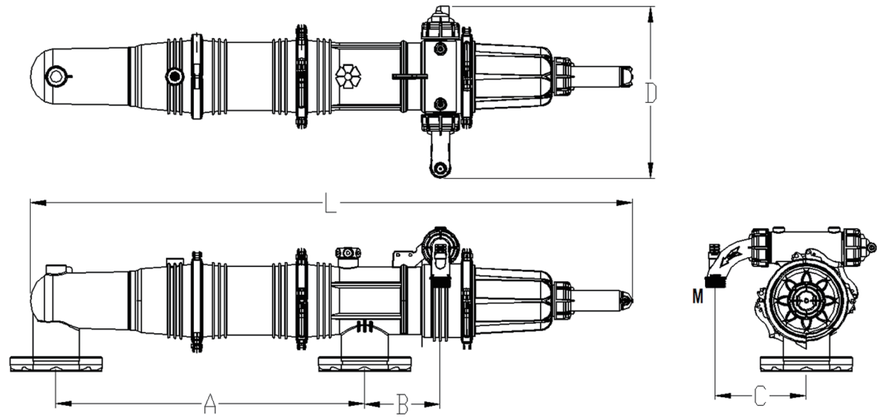
AUTOMATIC TIC BACKWASH SCREEN FILTER SYSTEM

MODEL & SPECIFICATION

MODEL	SIZE BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	MAX PRESSURE (bar)	CONNECTOR	WEIGHT (kg)
ERA001-F90ACS	3"	60/80/120	50	10	FLANGE/VIC	15
ERA001-F110ACS	4"	60/80/120	100	10	FLANGE/VIC	18

DIMENSION

MODEL	A(mm)	B(mm)	C(mm)	D(mm)	L(mm)	M
ERA001-F90ACS	500	186	223	422	1223	1-1/2"BSP
ERA001-F110ACS	758	186	223	422	1530	1-1/2"BSP



FILTERS

CENTRIFUGAL FILTER

ERA001-F63LX

ERA001-F90LX

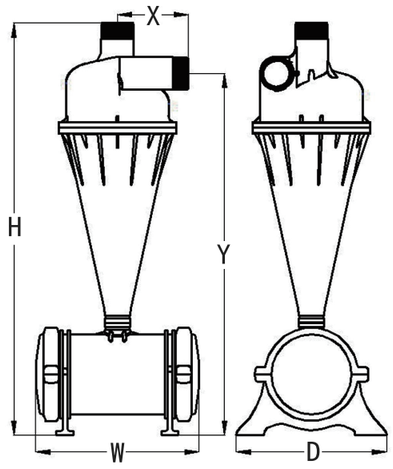
ERA001-F110LX

MODEL & SPECIFICATION

MODEL	CONNECTIONS BSP/NPT	FILTRATION GRADES (mesh)	MAX FLOW (m^3/h)	MAX PRESSURE (bar)	WEIGHT (kg)
ERA001-F63LX	2"	16	30	8	13
ERA001-F90LX	3"	16	50	8	17.5
ERA001-F110LX	4"	16	100	8	18

DIMENSION

MODEL	H(mm)	W(mm)	D(mm)	X(mm)	Y(mm)
ERA001-F63LX	1100	490	430	180	963
ERA001-F90LX	1220	490	430	205	1070
ERA001-F110LX	1220	490	430	205	1070

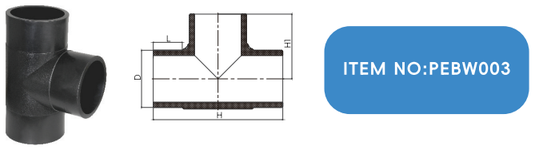


PE PIPES&FITTINGS

PRESSURE

Pressure

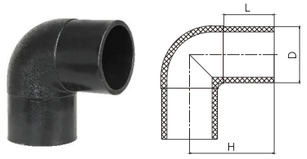
BUTT WELDING PE FITTING (ISO 4427/BS EN 12201)



ITEM NO:PEBW003

STRAIGHT TEE

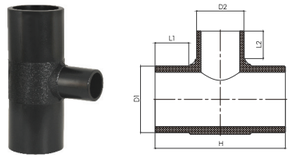
Nom Size	D	H	L	H1	SDR
S75-75	75	235	70	117.5	SDR11
S90-90	90	270	80	135	SDR11
S110-110	110	298	82	149	SDR11
S160-160	160	388	98	194	SDR11
S200-200	200	469	115	234.5	SDR11
S250-250	250	562	133	281	SDR11
S315-315	315	681	153	340.5	SDR11
R63-63	63	211	64	105.5	SDR11
R75-75	75	237	71	118.5	SDR11
R90-90	90	272	81	136	SDR11
R110-110	110	300	83	150	SDR11
R125-125	125	347	90	174	SDR11
160-160	160	392	100	196	SDR11
R200-200	200	469	115	234.5	SDR11
R225-225	225	536	124	268	SDR11
R250-250	250	562	133	281	SDR11
R280-280	280	634	142	317	SDR11
R315-315	315	681	153	304.5	SDR11
L160-160	160	325	75	180	SDR13.6
L200-200	200	407	105	210	SDR13.6
L250-250	250	430	85	265	SDR13.6
L280-280	280	500	100	100	SDR13.6
L315-315	315	486	90	315	SDR13.6
L355-355	355	595	110	310	SDR13.6
L160-160	160	160	80	190	SDR17
L200-200	200	390	85	215	SDR17
L250-250	250	470	90	265	SDR17
L315-315	315	555	100	285	SDR17
L400-400	400	640	105	330	SDR17
L450-450	450	690	110	355	SDR17
L500-500	500	640	110	435	SDR17
L630-630	630	830	90	450	SDR17
L710-710	710	1072	180	541	SDR17
L800-800	800	1202	185	606	SDR17



ITEM NO:PEBW002

90° ELBOW

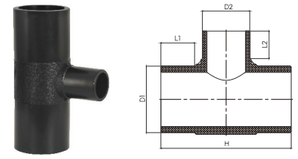
Nom Size	D	L	H	SDR
S75	75	70	117.5	SDR11
S90	90	80	135	SDR11
S110	110	82	149	SDR11
S160	160	98	194	SDR11
S200	200	115	235	SDR11
S250	250	133	281	SDRI I
S315	315	153	343	SDR11
R63	63	64	104	SDR11
R75	75	71	118.5	SDR11
R90	90	81	136	SDR11
R110	110	83	150	SDR11
R125	125	91	168	SDR11
R160	160	100	196	SDR11
R180	180	108	215	SDR11
R200	200	115	234.5	SDR11
R225	225	123	257	SDR11
R250	250	133	281	SDR11
R280	280	142	313	SDR11
R315	315	153	343	SDR11
R355	355	171	400	SDR11
L200	200	85	190	SDR13.6
L280	280	120	245	SDR13.6
L355	355	120	280	SDR13.6
L160	160	80	160	SDR17
L200	200	85	180	SDR17
L250	250	90	230	SDR17
L315	315	100	235	SDR17
L400	400	110	330	SDR17
L500	500	120	450	SDR17
L560	560	125	700	SDR17
L630	630	130	410	SDR17
L710	710	180	911	SDR17
L800	800	180	1002	SDR17



ITEM NO:PEBW004

REDUCING TEE

Nom Size	D1	L1	D2	L2	H	SDR
S75-25	75	70	25	41	192	SDR11
S75-32	75	70	32	44	192	SDR11
S75-40	75	70	40	49	200	SDR11
S75-50	75	70	50	55	210	SDR11
S75-63	75	70	63	63	223	SDR11
S90-32	90	80	32	44	212	SDR11
S90-40	90	80	40	49	220	SDR11
S90-50	90	80	50	55	230	SDR11
S90-63	90	80	63	63	243	SDR11
S90-75	90	80	75	70	255	SDR11
S110-50	110	82	50	55	237	SDR11
S110-63	110	82	63	63	250	SDR11
S110-75	110	82	75	70	263	SDR11
S110-90	110	82	90	80	277	SDR11
S250-160	250	133	160	101	472	SDR11
S250-200	250	133	200	115	512	SDR11
S315-200	315	153	200	115	564	SDR11
S315-250	315	153	250	133	615	SDR11
R63-20	63	64	20	42	211	SDR11
R63-25	63	64	25	42	211	SDR11
R63-32	63	64	32	45	211	SDR11
R63-40	63	64	40	50	211	SDR11
R63-50	63	64	50	56	211	SDR11
R75-40	75	71	40	50	225	SDR11
R75-50	75	71	50	56	225	SDR11
R75-63	75	71	63	64	225	SDR11
R90-32	90	81	32	45	245	SDR11
R90-40	90	81	40	50	245	SDR11
R90-50	90	81	50	56	245	SDR11
R90-63	90	81	63	64	245	SDR11
R90-75	90	81	75	71	257	SDR11
R110-50	110	83	50	56	259	SDR11
R110-63	110	83	63	64	259	SDR11
R110-75	110	83	75	71	264	SDR11
R110-90	110	83	90	81	279	SDRI I
R125-50	125	90	50	56	268	SDR11
R125-63	125	90	63	64	280	SDR11
R125-75	125	90	75	71	295	SDR11
R125-90	125	90	90	81	311	SDR11
R125-110	125	90	110	83	331	SDR11
R160-50	160	392	50	56	297	SDR11

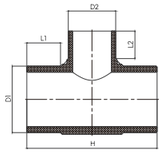


ITEM NO:PEBW004

REDUCING TEE

Nom Size	D1	L1	D2	L2	H	SDR
160-63	160	100	63	64	292	SDR11
160-75	160	100	75	71	304	SDR11
160-90	160	100	90	81	319	SDR11
160-110	160	100	110	83	340	SDR11
R200-63	200	115	63	64	349	SDR11
R200-75	200	115	75	71	361	SDR11
R200-90	200	115	90	81	365	SDR11
200-110	200	115	110	83	379	SDR11
200-160	200	115	160	100	429	SDR11
R225-110	225	124	110	83	416	SDR11
R225-160	225	124	160	100	471	SDR11
R225-200	225	124	200	115	511	SDR11
R250-63	250	133	63	64	386	SDR11
R250-75	250	133	75	71	391	SDR11
R250-90	250	133	90	81	411	SDR11
R250--110	250	133	110	83	427	SDRI I
R250-125	250	133	125	90	446	SDR11
R250-160	250	133	160	100	472	SDR11
R250-200	250	133	200	115	512	SDR11
R280-200	280	142	200	115	549	SDR11
R315-90	315	153	90	81	451	SDR11
R315-110	315	153	110	83	471	SDR11
R315-160	315	153	160	100	525	SDR11
R315-200	315	153	200	115	564	SDR11
R315-250	315	153	250	133	615	SDR11
L110-50	110	82	50	60	310	SDR 13.6
L110-63	110	82	63	65	310	SDR 13.6
L160-50	160	85	50	65	325	SDR 13.6
L160-63	160	85	63	65	325	SDR 13.6
L160-75	160	85	75	70	325	SDR 13.6
L160-90	160	85	90	80	325	SDR 13.6
L160-110	160	85	110	90	325	SDR 13.6
L200-90	200	85	90	80	407	SDR13.6
L200-110	200	85	110	85	407	SDR13.6
L200-160	200	112	160	98	407	SDR13.6
L250-110	250	100	110	104	430	SDR13.6
L250-160	250	100	160	102	430	SDR13.6
L250-200	250	105	200	110	430	SDR13.6
L280-110	280	100	110	100	500	SDR13.6
L280-160	280	100	160	100	500	SDR13.6
L280-200	280	100	200	100	500	SDR13.6

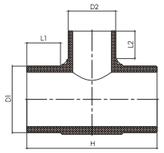
BUTT WELDING PE FITTING (ISO 4427/BS EN 12201)



ITEM NO:PEBW004

REDUCING TEE

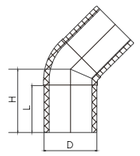
Nom Size	D1	L1	D2	L2	H	SDR
L280-250	280	100	250	100	500	SDR13.6
L315-110	315	100	110	90	486	SDR13.6
L315-160	315	105	160	100	486	SDR13.6
L315-200	315	105	200	112	486	SDR13.6
L315-250	315	100	250	130	486	SDR13.6
L355-160	355	110	160	120	595	SDR13.6
L355-200	355	110	200	120	595	SDR13.6
L355-250	355	110	250	120	595	SDR13.6
L355-280	355	110	280	120	595	SDR13.6
L355-315	355	110	315	120	595	SDR13.6
L160-63	160	80	63	65	300	SDR17
L160-75	160	80	75	70	300	SDR17
L160-90	160	80	90	80	300	SDR17
L160-110	160	75	110	85	300	SDR17
L200- 63	200	85	63	65	315	SDR17
L200- 75	200	85	75	70	315	SDR17
L200 - 90	200	85	90	80	315	SDR17
L200- 110	200	85	110	85	315	SDR17
L200 - 160	200	85	160	90	390	SDR17
L250- 90	250	80	90	80	380	SDR17
L250- 110	250	90	110	85	380	SDR17
L250- 160	250	90	160	100	380	SDR17
L250- 200	250	90	200	110	470	SDR17
L315- 110	315	100	110	85	440	SDR17
L315 - 160	315	100	160	85	440	SDR17
L315- 200	315	100	200	90	440	SDR17
L315- 250	315	100	250	95	555	SDR17
L400- 110	400	103	110	110	640	SDR17
L400- 160	400	105	160	95	640	SDR17
L400- 200	400	105	200	95	640	SDR17
L400- 225	/	/	/	/	/	SDR17
L400- 250	400	105	250	95	640	SDR17
L400- 315	400	103	315	95	640	SDR17
L450- 315	450	110	315	120	690	SDR17
L710-110	/	/	/	/	/	SDR17
L710-160	/	/	/	/	/	SDR17
L710-200	710	180	200	165	568	SDR17
L710-250	710	/	250	/	/	SDR17
L710-315	710	180	315	165	681	SDR17
L710-400	710	180	400	165	764	SDR17
L710-500	710	180	500	165	864	SDR17



ITEM NO:PEBW004

REDUCING TEE

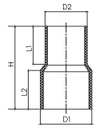
Nom Size	D1	L1	D2	L2	H	SDR
L710-630	710	180	630	165	983	SDR17
L800-110	800	/	110	/	/	SDR17
L800-160	800	/	160	/	/	SDR17
L800-200	800	185	200	170	606	SDR17
L800-250	800	/	250	/	/	SDR17
L800-315	800	185	315	170	719	SDR17
L800-400	800	185	400	170	802	SDR17
L800-500	800	185	500	170	902	SDR17
L800-630	800	/	630	170	1031	SDR17
L800-710	800	/	710	/	/	SDR17



ITEM NO:PEBW001

45° ELBOW

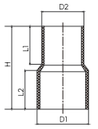
Nom Size	D	L	H	SDR
S75	75	70	95	SDR11
S90	90	80	108	SDR11
S110	110	82	115.9	SDR11
S160	160	98	145.7	SDR11
S200	200	115	176	SDR11
S250	250	133	210	SDR11
S315	315	153	248.4	SDR11
R63	63	64	95.4	SDR11
R75	75	71	103.9	SDR11
R90	90	81	115	SDR11
R110	110	83	116.9	SDR11
R125	125	90	145	SDR11
R160	160	100	147.7	SDR11
R200	200	115	176	SDR11
R225	225	124	210	SDR11
R250	250	133	210	SDR11
R280	280	142	240	SDR11
R315	315	153	248.4	SDR11
L160	160	80	100	SDR17
L200	200	85	105	SDR17
L250	250	90	110	SDR17
L315	315	100	120	SDR17



ITEM NO:PEBW006

REDUCING COUPLING

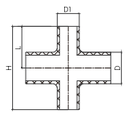
Nom Size	D1	D2	L1	L2	H	SDR
S75-25	75	25	41	70	126	SDR11
S75-32	75	32	44	70	129	SDR11
S75-40	75	40	49	70	134	SDR11
S75-50	75	50	55	70	140	SDR11
S75-63	75	63	63	70	148	SDR11
S90-32	90	32	44	80	157	SDR11
S90-40	90	40	49	80	162	SDR11
S90-50	90	50	55	80	168	SDR11
S90-63	90	63	63	80	163	SDR11
S90-75	90	75	70	80	183	SDR11
S110-40	110	40	49	82	154	SDR11
S110-50	110	50	55	82	160	SDR11
S110-63	110	63	63	82	183	SDR11
S110-75	110	75	70	82	165	SDR11
R63-20	63	20	42	64	125	SDR11
R63-25	63	25	42	64	125	SDR11
R63-32	63	32	45	64	130	SDR11
R63-40	63	40	50	64	132	SDR11
R63-50	63	50	56	64	137	SDR11
R75-32	75	32	45	71	135	SDR11
R75-40	75	40	45	71	137	SDR11
R75-50	75	50	56	71	145	SDR11
R75-63	75	63	64	71	155	SDR11
R90-32	90	32	45	81	152	SDR11
R90-40	90	40	50	81	155	SDR11
R90-50	90	50	56	81	165	SDR11
R90-63	90	63	64	81	170	SDR11
R90-75	90	75	71	81	180	SDR11
R110-40	110	40	50	83	160	SDR11
R110-50	110	50	56	83	170	SDR11
R110-63	110	63	64	83	180	SDR11
R110-75	110	75	71	83	185	SDR11
R110-90	110	90	81	83	195	SDR11
R125-75	125	75	73	90	200	SDR11
R125-90	125	90	82	90	210	SDR11
R125-110	125	110	85	90	215	SDR11
160-63	160	63	63	98	209	SDR11
160-75	160	75	70	98	216	SDR11
160-90	160	90	80	98	236	SDR11
160-110	160	110	82	98	221	SDR11
R160-125	160	125	83	100	235	SDR11
R200-90	200	90	81	115	260	SDR11
200-110	200	110	82	112	277	SDR11



ITEM NO:PEBW006

REDUCING COUPLING

Nom Size	D1	D2	L1	L2	H	SDR
200-160	200	160	98	112	244	SDR11
R225-110	225	110	85	125	270	SDR11
R225-160	225	160	102	125	285	SDR11
R225-200	225	200	117	125	300	SDR11
R250-110	250	110	83	133	271	SDR11
250-160	250	160	98	130	285	SDR11
250-200	250	200	112	130	286	SDR11
R315-110	315	110	83	153	305	SDR11
R315-160	315	160	100	153	320	SDR11
315-200	315	200	133	153	326	SDR11
R315-250	315	250	133	153	336	SDR11
L315-110	315	110	70	90	210.3	SDR13.6
L315-160	315	160	72	85	205.5	SDR13.6
L400-315	400	315	95	135	312.5	SDR17
L450-250	450	250	92	235	305	SDR17
L450-315	450	315	100	235	310	SDR17
L500-250	500	250	120	255	310	SDR17
L500-315	500	315	122	255	310	SDR17
L500- 400	500	400	95	130	310	SDR17
L630- 500	630	500	100	135	335	SDR17

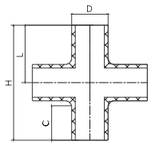


ITEM NO:PEBW009

REDUCING CROSS

Nom Size	D	D1	L	H	SDR
110×63	110	63	279	123	SDR11
110×75	110	75	279	130	SDR11
110×90	110	90	279	137	SDR11
160×63	160	63	329	147	SDR11
160×75	160	75	329	154	SDR11
160×90	160	90	329	162	SDR11
160×110	160	110	329	165	SDR11
200×110	200	110	379	185	SDR11
200×160	200	160	379	185	SDR11
250×110	250	110	461	221	SDR11
250×160	250	160	461	211	SDR11
250×200	250	200	461	216	SDR11
315×110	315	110	543	248	SDR11
315×160	315	160	543	248	SDR11
315×200	315	200	543	253	SDR11
315×250	315	250	543	268	SDR11

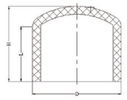
BUTT WELDING PE FITTING (ISO 4427/BS EN 12201)



ITEM NO:PEBW008

CROSS

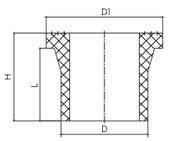
Nom Size	D	L	C	H	SDR
110	110	290	145	82	SDR11
160	160	378	189	105	SDR11
200	200	444	222	112	SDR11
250	250	514	257	120	SDR11
315	315	574	287	120	SDR11



ITEM NO:PEBW005

END CAP

Nom Size	D	L	H	SDR
R25	25	42.3	48.5	SDR11
R32	32	45.8	52.5	SDR11
R40	40	50.9	60	SDR11
R50	50	56.7	68	SDR11
R63	63	64	79.4	SDR11
R75	75	71	89.1	SDR11
R90	90	81	104.6	SDR11
R110	110	83	111.3	SDR11
R125	125	89	120.3	SDR11
160	160	100	137.4	SDR11
200	200	112	146	SDR11
R225	225	123	174.5	SDR11
R250	250	133	187.9	SDR11
R280	280	142	196.8	SDR11
315	315	153	218	SDR11
R355	355	169	241	SDR11
R400	400	182.5	265.6	SDR11
355	355	/	157	SDR17
400	400	/	165	SDR17
450	450	/	157	SDR17
500	500	/	170	SDR17
560	560	/	/	SDR17
630	630	/	196	SDR17
710	710	/	/	SDR17
800	800	/	/	SDR17
900	900	/	170	SDR17
1000	1000	120	170	SDR17
1200	/	125	/	SDR17

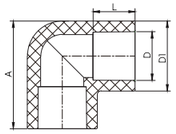


ITEM NO:PEBW007

STUB FLANGE

Nom Size	D	D1	L	H	SDR
S63	75	103	84	100	SDR11
S75	75	123	92	110	SDR11
S90	90	138.5	100	120	SDR11
S110	110	158.5	104	125	SDR11
S160	160	212.5	120	150	SDR11
S200	200	268.5	155	190	SDR11
S250	250	321	161	200	SDR11
S315	315	371	175	220	SDR11
R125	125	159	89	143	SDR11
R140	140	189	94	150	SDR11
R180	180	213	137	169	SDR11
R225	225	269	123	190	SDR11
R280	280	322	142	214	SDR11
R355	355	432	168	249	SDR11
R400	400	484	183	272	SDR11
R450	450	588	199	304	SDR11
R500	500	588	216	327	SDR11
R560	560	689	204	360	SDR11
R630	630	690	260	395	SDR11
L160	160	205	95	120	SDR13.6
L200	200	250	105	130	SDR13.6
L250	250	318	115	145	SDR13.6
L315	315	370	137	165	SDR13.6
L400	400	480	158	200	SDR13.6
L500	500	580	170	220	SDR13.6
L630	630	685	180	230	SDR13.6
L160	160	205	95	120	SDR17
L200	200	250	105	130	SDR17
L250	250	318	115	145	SDR17
L315	315	370	150	160	SDR17
L355	355	430	130	170	SDR17
L400	400	480	158	200	SDR17
L450	450	525	135	180	SDR17
L500	500	580	170	220	SDR17
L560	560	650	170	220	SDR17
L630	630	685	180	230	SDR17
L710	710	800	165	215	SDR17
L800	800	900	160	215	SDR17
L900	900	1005	170	225	SDR17
L1000	1000	1110	160	220	SDR17

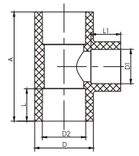
(ISO 4427/BS EN 12201) BUTT WELDING PE FITTING



ITEM NO:PESW002

90° ELBOW

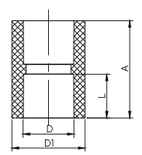
Nom Size	D	D1	L	A	SDR
20	19.2	27.6	16.5	42.5	SDR11
25	24.2	32.8	18.1	49.4	SDR11
32	31.2	41.4	20.1	59.9	SDR11
40	39	50.2	22.5	70.9	SDR11
50	49.1	63.1	25.5	86.4	SDR11
63	61.9	77.9	29.4	105.5	SDR11



ITEM NO:PESW004

REDUCING TEE

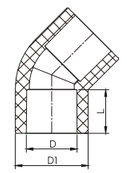
Nom Size	D1	D2	D	L	L1	A	SDR
25×20	19.2	24.2	32.8	18.1	16.5	60.95	SDR11
32×20	19.2	31.2	41.4	/	16.5	64.95	SDR11
32×25	24.2	31.2	41.4	20.1	18.1	70.35	SDR11
40×20	19.2	39	50.2	22.1	16.5	69.13	SDR11
40×25	24.2	39	50.2	22.1	18.1	74.53	SDR11
40×32	31.2	39	50.2	22.1	20.1	82.93	SDR11
50×20	19.2	49.1	63.1	25.1	16.5	75.13	SDR11
50×25	24.2	49.1	63.1	25.1	18.1	80.53	SDR11
50×32	31.2	49.1	63.1	25.1	20.1	86.16	SDR11
50×40	39	49.1	63.1	25.1	22.1	98.13	SDR11
63×20	19.2	61.9	77.9	29.1	16.5	83.4	SDR11
63×25	24.2	61.9	77.9	29.1	18.1	88.53	SDR11
63×32	31.2	61.9	77.9	29.1	20.1	96.93	SDR11
63×40	39	61.9	77.9	29.1	22.1	106.13	SDR11
63×50	49.1	61.9	77.9	29.1	25.1	118.23	SDR11



ITEM NO:PESW006

SOCKET

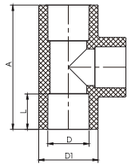
Nom Size	D	D1	L	A	SDR
20	19.2	27.6	16.5	36.85	SDR11
25	24.2	32.8	18.1	40.05	SDR11
32	31.2	41.4	20.1	44.05	SDR11
40	39	50.2	22.1	48.7	SDR11
50	49.1	63.1	25.1	54.7	SDR11
63	61.9	77.9	29.1	62.7	SDR11



ITEM NO:PESW001

45° ELBOW

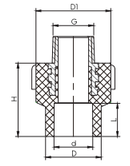
Nom Size	D	D1	L	SDR
20	19.2	27.6	16.5	SDR11
25	24.2	32.8	18.1	SDR11
32	31.2	41.4	20.1	SDR11
40	39	50.2	22.5	SDR11
50	49.1	63.1	25.5	SDR11
63	61.9	77.9	29.4	SDR11



ITEM NO:PESW003

STRAIGHT TEE

Nom Size	D	D1	L	A	SDR
20	19.2	27.6	16.5	57.7	SDR11
25	24.2	32.8	18.1	66.35	SDR11
32	31.2	41.4	20.1	78.75	SDR11
40	39	50.2	22.5	92.13	SDR11
50	49.1	63.1	25.5	110.23	SDR11
63	61.9	77.9	29.4	133.63	SDR11

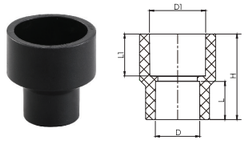


ITEM NO:PESW009

MALE THREAD SOCKET

Nom Size	D	d	D1	L	H	G	SDR
20×1/2"	27.6	19.2	37.2	16.5	36.5	1/2"	SDR11
25×1/2"	32.8	24.2	37.2	18.1	38.1	1/2"	SDR11
25×3/4"	32.8	24.2	44.7	18.1	39.8	3/4"	SDR11
32×1/2"	41.4	31.2	37.2	20.1	40.1	1/2"	SDR11
32×3/4"	41.4	31.2	44.7	20.1	41.8	3/4"	SDR11
32×1"	41.4	31.2	54.3	20.1	47.2	1"	SDR11
40×1-1/4"	50.2	39	67.2	22.5	52.3	1-1/4"	SDR11
50×1-1/2"	63.1	49.1	73.6	25.5	56.3	1-1/2"	SDR11
63×2"	77.9	61.9	90.2	29.4	61.2	2"	SDR11

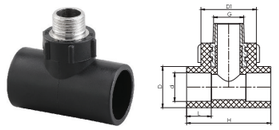
BUTT WELDING PE FITTING (ISO 4427/BS EN 12201)



ITEM NO:PESW007

REDUCING SOCKET

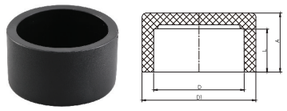
Nom Size	D	D1	L	L1	H	SDR
25×20	19.2	24.2	16.5	18.1	37	SDR11
32×20	19.2	31.2	16.5	20.1	40	SDR11
32×25	24.2	31.2	18.1	20.1	41.5	SDR11
40×20	19.2	39	16.5	22.1	50	SDR11
40×25	24.2	39	18.1	22.1	49.6	SDR11
40×32	31.2	39	20.1	22.1	45	SDR11
50×20	19.2	49.1	16.5	25.1	55.4	SDR11
50×25	24.2	49.1	18.1	25.1	57	SDR11
50×32	31.2	49.1	20.1	25.1	56	SDR11
50×40	39	49.1	22.1	25.1	51	SDR11
63×20	19.2	61.9	16.5	29.1	64	SDR11
63×25	24.2	61.9	18.1	29.1	63.8	SDR11
63×32	31.2	61.9	20.1	29.1	63.4	SDR11
63×40	39	61.9	22.1	29.1	64	SDR11
63×50	49.1	61.9	25.1	29.1	60	SDR11



ITEM NO:PESW013

MALE THREAD TEE

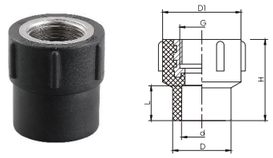
Nom Size	D	d	D1	L	H	G	SDR
20×1/2"	27.6	19.2	37.2	16.5	56.4	1/2"	SDR11
25×1/2"	32.8	24.2	37.2	18.1	64.2	1/2"	SDR11
25×3/4"	32.8	24.2	44.7	18.1	64.2	3/4"	SDR11
32×1/2"	41.4	31.2	37.2	20.1	70	1/2"	SDR11
32×3/4"	41.4	31.2	44.7	20.1	76	3/4"	SDR11
32×1"	41.4	31.2	54.3	20.1	81.2	1"	SDR11



ITEM NO:PESW005

END CAP

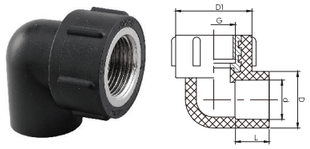
Nom Size	D	D1	L	A	SDR
20	19.2	27.6	16.5	23.2	SDR11
25	24.2	32.8	18.1	24.9	SDR11
32	31.2	41.4	20.1	27.9	SDR11
40	39	50.2	22.5	31	SDR11
50	49.1	63.1	25.5	35.5	SDR11
63	61.9	77.9	29.4	40.4	SDR11



ITEM NO:PESW008

FEMALE THREAD SOCKET

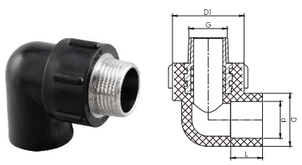
Nom Size	D	d	D1	L	H	G	SDR
20×1/2"	27.6	19.2	37.2	16.5	38.5	1/2"	SDR11
25×1/2"	32.8	24.2	37.2	18.1	40.1	1/2"	SDR11
25×3/4"	32.8	24.2	44.7	18.1	43.6	3/4"	SDR11
32×1/2"	41.4	31.2	37.2	20.1	42.1	1/2"	SDR11
32×3/4"	41.4	31.2	44.7	20.1	45.6	3/4"	SDR11
32×1"	41.4	31.2	54.3	20.1	49.9	1"	SDR11
40×1-1/4"	50.2	39	67.2	22.5	62.4	1-1/4"	SDR11
50×1-1/2"	63.1	49.1	73.6	25.5	55.6	1-1/2"	SDR11
63×2"	77.9	61.9	90.2	29.4	61	2"	SDR11



ITEM NO:PESW010

FEMALE THREAD ELBOW

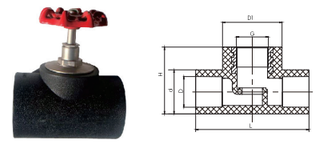
Nom Size	D	d	D1	L	G	SDR
20×1/2"	27.6	19.2	37.2	16.5	1/2"	SDR11
25×1/2"	32.8	24.2	37.2	18.1	1/2"	SDR11
25×3/4"	32.8	24.2	44.7	18.1	3/4"	SDR11
32×1/2"	41.4	31.2	37.2	20.1	1/2"	SDR11
32×3/4"	41.4	31.2	44.7	20.1	3/4"	SDR11
32×1"	41.4	31.2	54.3	20.1	1"	SDR11



ITEM NO:PESW011

MALE THREAD ELBOW

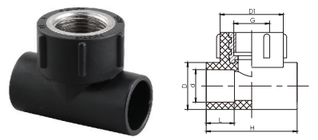
Nom Size	D	d	D1	L	G	SDR
20×1/2"	27.6	19.2	37.2	16.5	1/2"	SDR11
25×1/2"	32.8	24.2	37.2	18.1	1/2"	SDR11
25×3/4"	32.8	24.2	44.7	18.1	3/4"	SDR11
32×1/2"	41.4	31.2	37.2	20.1	1/2"	SDR11
32×3/4"	41.4	31.2	44.7	20.1	3/4"	SDR11
32×1"	41.4	31.2	54.3	20.1	1"	SDR11



ITEM NO:PESW014

STOP VALVE

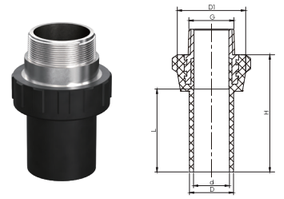
Nom Size	D	d	D1	L	H	G	SDR
20	27.6	19.2	37.2	70.8	41.8	1/2"	SDR11
25	32.8	24.2	44.7	83	49.85	3/4"	SDR11
32	41.4	31.2	44.7	86.5	57.9	1"	SDR11
40	50.2	39	54.3	98.8	70	1-1/4"	SDR11
50	63.1	49.1	64.7	123.8	85.35	1-1/2"	SDR11
63	77.9	61.9	73.1	134.7	100.2	2"	SDR11



ITEM NO:PESW012

FEMALE THREAD TEE

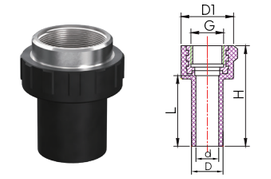
Nom Size	D	d	D1	L	H	G	SDR
20×1/2"	27.6	19.2	37.2	16.5	53.5	1/2"	SDR11
25×1/2"		24.2	37.2	18.1	63	1/2"	SDR11
25×3/4"	32.8	24.2	44.7	18.1	63	3/4"	SDR11
32×1/2"	41.4	31.2	37.2	20.1	74	1/2"	SDR11
32×3/4"	41.4	31.2	44.7	20.1	74	3/4"	SDR11
32×1"	41.4	31.2	54.3	20.1	74	1"	SDR11



ITEM NO:PESW015

MALE TRANSITION COUPLING

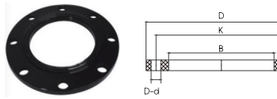
Nom Size	D	d	D1	L	H	G
20×1/2"	20.2	14.6	31.6	44.5	62.3	1/2"
25×3/4"	20.4	25	38.8	47	66.5	3/4"
32×1"	24	32	47.8	52.3	76.5	1"
40×1-1/4"	40.2	32.2	59	54.4	79.6	1-1/4"
50×1-1/2"	50.2	40.4	67.8	58.4	87.8	1-1/2"
63×2"	63.2	51	83.1	70	98	2"
75×2-1/2"	75.2	60.6	103.5	81	109	2-1/2"
90×3"	90.2	72.6	120.4	88.5	121.4	3"
110×4"	110.2	88.8	150.8	92	133	4"



ITEM NO:PESW016

FEMALE TRANSITION COUPLING

Nom Size	D	d	D1	L	H	G
20×1/2"	20.2	14.6	33.6	45.1	64.3	1/2"
25×3/4"	25.2	19.2	40.5	44.5	67	3/4"
32×1"	32.2	25.8	49.1	50	74.8	1"
40×1-1/4"	40.2	32	61.2	52	81.1	1-1/4"
50×1-1/2"	50.2	40.4	70.4	59	88.5	1-1/2"
63×2"	63.2	51	87.4	70.1	98.1	2"
75×2-1/2"	75.2	60.6	108.6	80	109.8	2-1/2"
90×3"	90.2	72.6	128.2	90	123.2	3"
110×4"	110.2	88.8	159.2	95	136.1	4"



ITEM NO:PESW012

STEEL FLANGE

Nom Size	D	K	B	n	D	PN
63	165	125	77	4	18	PN16
75	185	145	90	4	18	PN16
90	200	160	106	8	18	PN16
110	220	180	126	8	18	PN16
125	250	210	135	8	18	PN16
160	285	240	178	8	22	PN16
200	340	295	234	8	22	PN10
225	340	295	241	8	22	PN10
250	405	355	287	12	26	PN16
315	460	410	337	12	26	PN16
355	505	460	369	16	22	PN10
400	565	515	418	16	26	PN10
450	615	565	460	20	25	PN10
500	670	620	517	20	26	PN10
630	780	725	650	20	30	PN10
800	1015	950	825	24	33	PN10

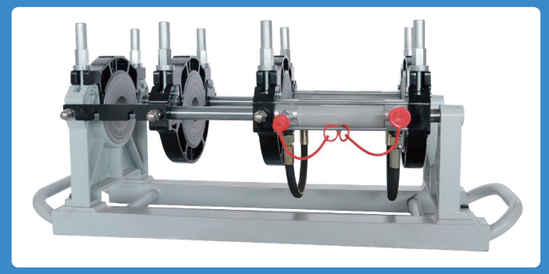
ITEM NO:PEBW013

RUBBER RING FOR PE FLANGE

Nom Size				
63	75	90	110	160
200	250	315	355	400

BUTT-FUSION WELDING MACHINE

ITEM NO: PEBW014-160



Rack

Hydraulic pressure station

Milling cutter

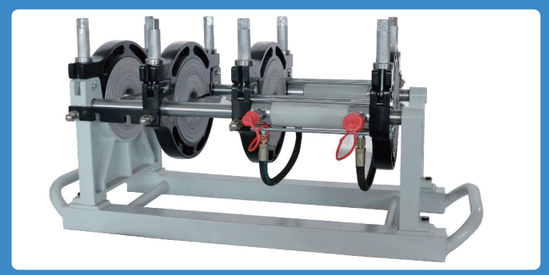
Heating plate

Basket with handle

Product Parameters

Model	PEBW-160
Welding range(MM)	(40, 50) 63, 75, 90, 110, 125, 140, 160
Docking deviation	≤0.2mm
Temperature deviation	±5°C
Temperature control range	0-270°C
Environmental temperature	-5 - 40°C
Time required to reach welding temperature	＜20min
Applicable materials	PE, PP-R, PB, PVDF
Heating plate power	1.6KW/220V
Milling cutter power	1.2KW/220V
Hydraulic pressure station power	0.75KW/220V
Cylinder cross sectional area(cm²)	9.42

ITEM NO: PEBW014-200



Rack

Hydraulic pressure station

Milling cutter

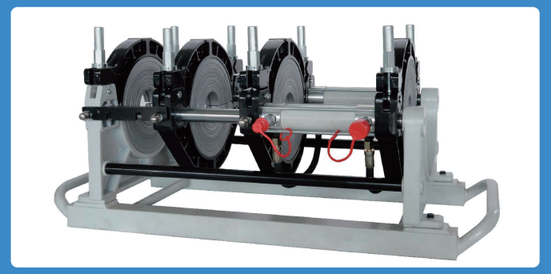
Heating plate

Basket with handle

Product Parameters

Model	PEBW-200
Welding range(MM)	(50) 63, 75, 90, 110, 125, 140, 160, 180, 200
Docking deviation	≤0.2mm
Temperature deviation	±5°C
Temperature control range	0-270°C
Environmental temperature	-5 - 40°C
Time required to reach welding temperature	＜20min
Applicable materials	PE, PP-R, PB, PVDF
Heating plate power	2KW/220V
Milling cutter power	1.2KW/220V
Hydraulic pressure station power	0.75KW/220V
Cylinder cross sectional area(cm²)	9.42

ITEM NO: PEBW014-250



Rack

Hydraulic pressure station

Milling cutter

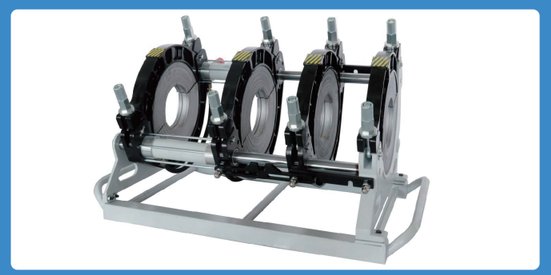
Heating plate

Basket with handle

Product Parameters

Model	PEBW-250
Welding range(MM)	(63, 75) 90, 110, 125, 140, 160, 180, 200, 225, 250
Docking deviation	≤0.2mm
Temperature deviation	±5°C
Temperature control range	0-270°C
Environmental temperature	-5 - 40°C
Time required to reach welding temperature	＜20min
Applicable materials	PE, PP-R, PB, PVDF
Heating plate power	2.5KW/220V
Milling cutter power	2.5KW/220V
Hydraulic pressure station power	0.75KW/220V
Cylinder cross sectional area(cm²)	11

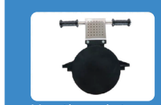
ITEM NO: PEBW014-315



Rack

Hydraulic pressure station

Milling cutter


Heating plate

Basket with handle

Product Parameters

Model	PEBW-315
Welding range(MM)	(63, 75, 90, 110, 125, 140) 160, 180, 200, 225, 250, 280, 315
Docking deviation	≤0.2mm
Temperature deviation	±7°C
Temperature control range	0-270°C
Environmental temperature	-5 - 40°C
Time required to reach welding temperature	＜20min
Applicable materials	PE, PP-R, PB, PVDF
Heating plate power	3KW/220V
Milling cutter power	2.5KW/220V
Hydraulic pressure station power	0.75KW/220V
Cylinder cross sectional area(cm²)	20.02

PE ELECTROFUSION FITTINGS

WATER&GAS

(ISO 4437/EN1555/AS 4129) ELECTROFUSION FITTING SERIES

ITEM NO:PEGP001

ITEM NO:PEGP002

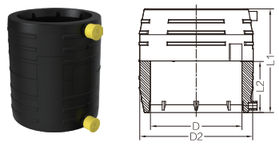
PE PIPE FOR GAS SUPPLY

Norminal OD (mm)	Minimum wall thickness (mm)		
	SDR11	SDR17	SDR17.6
20	3.0	2.3	2.3
25	3.0	2.3	2.3
32	3.0	2.3	2.3
40	3.7	2.4	2.3
50	4.6	3.0	2.9
63	5.8	3.8	3.6
75	6.8	4.5	4.3
90	8.2	5.4	5.2
110	10.0	6.6	6.3
125	11.4	7.4	7.1
140	12.7	8.3	8.0
160	14.6	9.5	9.1
180	16.4	10.7	10.3
200	18.2	11.9	11.4
225	20.5	13.4	12.8
250	22.7	14.8	14.2
280	25.4	16.6	15.9
315	28.6	18.7	17.9
355	32.2	21.1	20.2
400	36.3	23.7	22.8
450	40.9	26.7	25.6
500	45.4	29.7	28.4
560	50.8	33.2	31.9
630	57.2	37.4	35.8

PE PIPE FOR WATER SUPPLY

Norminal OD (mm)	Minimum wall thickness (mm)						
	SDR9	SDR11	SDR13.6	SDR17	SDR21	SDR26	SDR33
20	2.3	2.0	/	/	/	/	/
25	3.0	2.3	2.0	/	/	/	/
32	3.6	3.0	2.4	2.0	/	/	/
40	4.5	3.7	3.0	2.4	2.0	/	/
50	5.6	4.6	3.7	3.0	2.4	2.0	/
63	7.1	5.8	4.7	3.8	3.0	2.5	/
75	8.4	6.8	5.6	4.5	3.6	2.9	/
90	10.1	8.2	6.7	5.4	4.3	3.5	/
110	12.3	10.0	8.1	6.6	5.3	4.2	/
125	14.0	11.4	9.2	7.4	6.0	4.8	/
140	15.7	12.7	10.3	8.3	6.7	5.4	/
160	17.9	14.6	11.8	9.5	7.7	6.2	/
180	20.1	16.4	13.3	10.7	8.6	6.9	/
200	22.4	18.2	14.7	11.9	9.6	7.7	/
225	25.2	20.5	16.6	13.4	10.8	8.6	/
250	27.9	22.7	18.4	14.8	11.9	9.6	/
280	31.3	25.4	20.6	16.6	13.4	10.7	/
315	35.2	28.6	23.2	18.7	15.0	12.0	9.7
355	39.7	32.2	26.1	21.1	16.9	13.6	10.9
400	44.7	36.3	29.4	23.7	19.1	15.3	12.3
450	50.3	40.9	33.1	26.7	21.5	17.2	13.8
500	55.8	45.4	36.8	29.7	23.9	19.1	15.3
560	62.5	50.8	41.2	33.2	26.7	21.4	17.2
630	70.3	57.2	46.3	37.4	30.0	24.1	19.3
710	79.3	64.5	52.2	42.1	33.9	27.2	21.8
800	89.3	72.6	58.8	47.4	38.1	30.6	24.5
900	/	81.7	66.1	53.3	42.9	34.4	27.6
1000	/	90.2	73.5	59.3	47.7	38.2	30.6
1200	/	/	88.2	71.1	57.2	45.9	36.7
1400	/	/	102.8	83.0	66.7	53.5	42.9
1600	/	/	117.5	94.8	76.2	61.2	49.0

ELECTROFUSION FITTING SERIES (ISO 4437/EN1555/AS 4129)



ITEM NO:PEEF001

COUPLER

Size	D2	L1	L2
20	33.7	80	39.5
25	38.7	81	40
32	45.8	87	43
40	56.9	87	43
50	69.1	87	43
63	84.4	114	56
75	101.5	126	62
90	120	135	66.5
110	139.1	151	74.5
125	158.8	172	85
160	202.4	184	91
180	227.7	191	94.5
200	252.3	223	110.5
225	280.6	235	116.5
250	314.1	248	123
280	350.1	262	130
315	394.3	285	141
400	502.6	328	162.5
500	617	364	181

ITEM NO:PEEF012

END CAP

Size	D2	L1	L2
20	33.8	63	39.5
25	38.6	63	40
32	45.8	68	43
40	57	73	43
50	69	81.5	61.5
63	85	120	83
75	96	105.6	62
90	120	135	92
110	140	165	117
125	157	158.4	85
160	202	180	122
200	252	207	140
250	314	237	155
315	/	/	/

ITEM NO:PEEF002

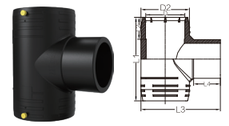
90°ELBOW

Size	D2	L1	L2	L3
20	33.7	39.5	55.5	72.4
25	38.7	40	58	77.4
32	45.8	43	65	87.9
40	56.9	43	70	98.5
50	69.1	43	75	109.6
63	84.4	56	97	139.2
75	101.5	62	112	162.8
90	120	66.5	124	184
110	139.1	74.5	145	214.6
125	158.8	85	165	244.4
160	202.4	91	194	295.2
180	227.7	94.5	210	323.9
200	252.3	110.5	240	366.2
250	314.1	123	270	427.1
315	394.3	141	327	524.4

ITEM NO:PEEF003

45°ELBOW

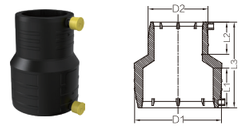
Size	D2	L1	L2	L3
20	31	39.5	50	94.3
25	36	40	51	88
32	43	43	55	107
40	52	43	57	114.5
50	69.1	43	60	125.8
63	84.4	56	81.18	167.4
75	101.5	62	88.26	185.2
90	120	66.5	95.57	204.1
110	139.1	74.5	108.88	233.4
125	158.8	85	127.78	271.8
160	202.4	91	142.53	312.31
180	227.7	94.5	154.67	342
200	252.3	110.5	177.28	389
250	314.1	94.5	190	430.8
315	394.3	110.5	227	521.9



ITEM NO:PEEF004

EQUAL TEE

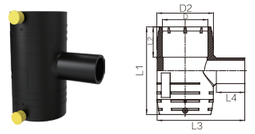
Size	D2	L1	L2	L3	L4
20	31	100	39.5	80.2	45
25	38.7	107	40	86.2	45
32	45.8	122	43	100.2	50
40	56.9	128	43	113.5	55
50	69.1	138	43	131	60
63	84.4	178	56	159.2	70
75	101.5	202	62	183.8	75
90	120	226	66.5	210.3	85
110	139.1	262	74.5	240.5	90
125	156	298	85	262	90
160	202.4	345	91	328.2	110
200	252.3	425	110.5	391.2	120
250	314.1	503	123	471.1	142
315	394.3	605	141	593.9	165



ITEM NO:PEEF006

REDUCER

Size	D1	D2	L1	L2	L3
25×20	38.7	33.7	40	39.5	85.5
32×20	45.8	33.7	43	39.5	89.5
32×25	45.8	38.7	43	40	90
40×20	56.9	33.7	43	39.5	98.5
40×25	56.9	38.7	43	40	92
40×32	56.9	45.8	43	43	95.7
50×32	69.1	45.8	43	43	101
50×40	69.1	56.9	43	43	95.5
63×32	84.4	45.8	56	43	115.5
63×40	84.4	56.9	56	43	112.5
63×50	84.4	69.1	56	43	111.5
75×50	101.5	69.1	62	43	126.5
75×63	101.5	84.4	62	56	135
90×40	120	56.9	66.5	43	133.5
90×50	120	69.1	66.5	43	131.8
90×63	120	84.4	66.5	56	144.5
90×75	120	101.7	66.5	62	148.5
110×50	139.1	69.1	74.5	43	143.5
110×63	139.1	84.4	74.5	56	153.5
110×75	139.1	101.7	74.5	62	156
110×90	139.1	120	74.5	66.5	162
125×110	158.8	139.1	85	74.5	180.5
160×63	202.4	84.4	91	56	190
160×90	202.4	120	91	66.5	191.5
160×110	202.4	139.1	91	74.5	197.5
200×90	252.3	120	110.5	66.5	224.2
200×110	252.3	139.1	110.5	74.5	225
200×160	252.3	202.4	110.5	91	236.5
250×160	314.1	202.4	123	91	267
250×200	314.1	252.3	123	110.5	275.5
315×200	394.3	253.3	141	110.5	294.5
315×250	394.3	314.1	141	123	307

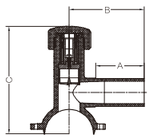


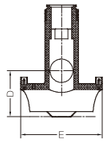
ITEM NO:PEEF005

REDUCING TEE

Size	D2	L1	L2	L3	L4
25×20	36	102	40	85.2	45
32×20	43	108	43	92.3	45
32×25	43	113	43	92.3	45
40×20	52	108	43	101.4	45
40×25	52	113	43	101.4	45
40×32	56.9	120	43	108.5	50
50×20	63	108	43	112.4	45
50×25	63	113	43	112.4	45
50×32	69.1	120	43	120.1	50
50×40	63	128	43	122.4	55
63×20	79	135	56	128.5	45
63×25	79	140	56	128.5	56
63×32	84.4	147	56	135.7	50
63×40	84.4	155	56	140.7	55
63×50	84.4	164	56	148.2	60
75×50	101.5	176	62	164.8	60
75×63	101.5	190	62	170.3	67
90×32	120	168	66.5	175.3	50
90×40	120	176	66.5	175.8	55
90×50	120	185	66.5	183.8	60
90×63	120	199	66.5	193.8	70
90×75	120	211	66.5	202.8	75
110×32	139.1	184	74.5	192.2	50
110×40	139.1	192	74.5	197.2	55
110×50	139.1	201	74.5	202.9	60
110×63	139.1	215	74.5	215.9	70
110×75	139.1	227	74.5	211.6	75
110×90	139.1	242	74.5	232.4	85
125×63	156	236	85	235	70
125×75	156	248	85	240	75
125×90	156	263	85	251	85
125×110	156	283	85	259	90
160×63	202.4	248	91	278.6	70
160×75	202.4	259	91	284.2	75
160×90	202.4	275	91	295.2	85
160×110	202.4	294	91	301.8	90
200×63	252.3	315	110.5	328.6	70
200×75	252.3	298	110.5	336.2	75
200×90	252.3	315	110.5	345.2	85
200×110	252.3	335	110.5	353.2	90
200×160	252.3	385	110.5	378.2	110
250×90	314.1	338	123	413.1	85
250×110	314.1	359	123	418.1	90
250×160	314.1	411	123	438.1	110
250×200	314.1	452	123	452.1	123
315×90	394.3	374	141	508.9	85
315×110	394.3	395	141	513.7	90
315×160	394.3	447	141	533.9	110
315×200	394.3	488	141	547.9	123
315×250	394.3	539	141	566.9	142

ELECTROFUSION FITTING SERIES (ISO 4437/EN1555/AS 4129)



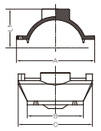


ITEM NO:PEEF008

TAPPING TEE

Size	A	B	C	D	E
40×20	62.3	110	120.2	52.2	88
40×25	66.6	110	120.2	52.2	88
40×32	72.6	110	120.2	52.2	88
63×20	68.2	128.2	183	64	136
63×25	74.2	128.2	183	64	136
63×32	74.2	128.2	183	64	136
63×40	71	121	183	64	136
63×50	93.5	143.5	203	74	136
63×63	100	143.5	203	74	136
75×20	62	128.2	189.7	70.9	165.6
75×25	65	128.7	189.7	70.9	165.6
75×32	68	128.2	189.7	70.8	165.6
75×40	71	121	189.7	70.8	165.6
90×20	68.2	128.2	196	77.3	165.4
90×25	71.2	128.2	196	77.3	165.4
90×32	74.2	128.2	196	77.3	165.4
90×40	71	121	196	77.3	165.4
90×50	96.2	160	238.3	88.5	165.4
96×63	100	160	238.3	88.5	165.4
110×20	68.2	128.2	206	87	165.2
110×25	71.2	128.2	206	87	165.2
110×32	74.2	128.2	206	87	165.2
110×40	71	121	206	87	165.2
110×50	96.2	160	243.2	93.5	165.2
110×63	100	160	243.2	93.5	165.2
110×90	85	160	251.5	112.2	195.2
125×20	768.2	138.2	213.7	94.7	167
125×25	71.2	138.2	213.7	94.7	167
125×32	74.2	138.2	213.7	94.7	167
125×40	71	131	213.7	94.7	167
125×50	96.2	160	251	101.2	167
125×63	100	160	251	101.2	167
160×20	68.2	138.2	231.3	112.3	170.1
160×25	71.2	138.2	231.3	112.3	170.1
160×32	74.2	138.2	231.3	112.3	170.1
160×40	71	131	231.3	112.3	170.1
160×50	96.2	160	268.5	118.8	170.1
160×63	100	160	268.5	118.8	170.1
160×90	89.2	160	276.8	137.3	170.1
160×110	97	180	302.7	150.8	260.2
180×20	68.2	138.2	241.4	122.3	170.4
180×25	71.2	138.2	241.4	122.3	170.4
180×32	74.2	138.2	241.4	122.3	170.4
180×40	71	131	241.4	122.3	170.4
180×50	96.2	170	251	128.8	170
180×63	100	170	251	128.8	170
200×20	68.2	138.2	257.4	138.3	170.8
200×25	71.2	138.2	257.4	138.3	170.8
200×32	74.2	138.2	257.4	138.3	170.8
200×40	71	131	257.4	138.3	170.8
200×50	96.2	170	289.6	139.8	170.8
200×63	100	170	289.6	139.8	170.8
200×90	85	160	297.8	158.3	260.4
200×110	90	180	332.7	171.8	260.4
225×20	68.2	138.2	270.6	151.5	170.9

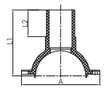
Size	A	B	C	D	E
225×25	71.2	138.2	270.6	151.5	170.9
225×32	74.2	138.2	270.6	151.5	170.9
225×40	71	131	257.4	138.3	170.8
225×50	96.2	170	289.6	139.8	170.8
220×63	100	170	289.6	139.8	170.8
225×90	65	160	297.8	158.3	260.4
225×110	90	180	332.7	171.8	260.4
250×20	80.2	176.4	323.3	176.5	263.9
250×25	80.8	178.6	323.3	176.5	263.9
250×32	81.4	179.2	323.3	176.5	263.9
250×40	84.4	175.3	323.3	176.5	263.9
250×50	96.2	170	323.3	176.5	263.9
250×63	100	170	323.3	176.5	263.9
250×90	85	160	324.6	187.4	264.9
250×110	90	180	350.3	198.4	264.9
280×20	80.2	176.4	338.3	191.5	264.2
280×25	80.8	178.6	338.3	191.5	264.2
280×32	81.4	179.2	338.3	191.5	264.2
280×40	84.4	175.3	338.3	191.5	264.2
280×50	96.2	170	338.3	191.5	264.2
280×63	100	170	338.3	191.5	264.2
280×90	85	160	342	202.5	264.6
280×110	90	180	363.4	213.5	264.6
315×20	80.2	176.4	355.8	209	265.6
315×25	80.8	178.6	355.8	209	265.6
315×32	81.4	179.2	355.8	209	265.6
315×40	84.4	175.3	355.8	209	265.6
315×50	96	170	355.8	209	265.6
315×63	100	170	355.8	209	265.6
315×90	85	160	359	219.5	265.2
315×110	90	180	382.4	230.5	265.2
315×160	110	225	429	248	338



ITEM NO:PEEF011

REPAIR SADDLE

Size	L1	A	B	C
40	40	68	73	88
50	50	85	75	88
63	60	128	100	136
90	66	158.2	120	165.4
110	64.5	168.3	120	165.2
125	96.3	223.3	120	170.2
160	95	260.2	250.3	210
200	110	260.4	286.3	200
225	120	260.8	307.3	200
250	130	264.9	332.3	200
315	150	265.2	378.3	200



ITEM NO:PEEF009

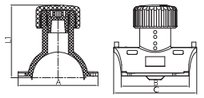
BRANCH SADDLE

Size	L1	L2	A	B	C
63×32	183	50	136	128	100
63×40	183	55	136	128	100
90×32	196	50	165.4	158.1	121.9
90×50	238.3	60	165.4	158.1	121.9
90×63	238.3	70	165.4	158.1	121.9
110×32	206	50	165.2	169.3	120
110×63	243.3	70	165.2	172.3	120
110×90	182.7	85	194	158	195.2
125×32	213.7	50	167	188.3	120
125×50	251	60	167	188.3	120
125×63	251	70	167	188.3	120
160×63	268.5	70	170.1	223.3	120
160×90	210.8	85	250.3	213	260.2
160×110	228.3	94.5	250.3	213	260.2
200×63	289.6	70	170.8	265.3	120
200×90	213.3	85	286.3	207	260.5
200×110	248.8	94.5	286.3	207	260.4
225×32	/	50	307.3	206.6	260.8
225×63	/	70	307.3	206.6	260.8
225×90	244.4	85	307.3	206.6	260.8
225×110	261.9	94.5	307.3	206.6	260.8
250×63	323.3	70	263.9	332.3	200
250×90	257.8	85	332.3	208.9	264.9
250×110	274.9	94.5	332.3	208.9	264.9
280×90	272.5	85	368.3	206.9	264.6
280×110	290	94.5	368.3	206.9	264.6
315×32	/	50	378.3	209.6	264.6
315×63	/	70	378.3	209.6	264.6
315×90	289.5	85	378.3	209.6	265.2
315×110	307	94.5	378.3	209.6	265.2
315×160	312.5	110	376	285.4	337.2

ITEM NO:PEEF014

ELECTRIC FUSION WELDING MACHINE WITH SCANNER + PRINTER

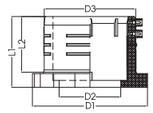
Size
2.5KW (20-200mm)
3.5KW (20-315mm)
5.5KW (20-500mm)



ITEM NO:PEEF010

STOPPER SADDLE

Size	L1	A	B	C
90×20	155	158.1	131.2	165.3
90×25	145	158.1	121.9	165.4
90×32	145	158.1	121.9	165.4
90×40	150	158.1	131.2	165.4
110×20	165	168.3	128.7	165.3
110×25	145	168.3	120	165.2
110×32	145	168.3	120	165.2
110×40	165	168.3	128.71	165.2
110×60	243.3	165.2	170.3	120
110×90	199.35	194	157.98	195.2
160×90	227.4	250.3	213.01	260.15
160×110	250.18	250.3	213.01	260.15
200×90	247.95	286.3	206.98	260.47
200×110	270.73	286.3	206.98	260.4
200×160	332.7	260.4	286.3	200
225×90	260.6	307.3	206.63	260.76
225×110	284.13	307.3	206.63	260.76
225×160	337.3	260.8	307.3	200
250×90	274.45	332.3	208.85	264.93
250×110	296.83	332.3	208.85	264.93
250×160	350.3	264.9	332.3	200
280×90	289.1	368.3	206.91	264.64
280×110	312.33	368.3	206.91	294.64
315×90	306.15	378.3	209.57	265.23
315×110	328.93	378.3	209.57	265.23
315×160	336.75	376	285.43	338.17



ITEM NO:PEEF013

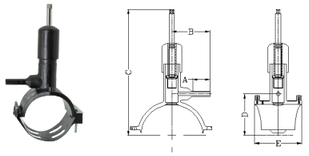
PE FLANGE I

Size	L1	L2	D1	D2	D3
63	110	83	110	52	83.5
90	120	92	145	75	118.4
110	145	117.7	164	90	138.4
160	155	122	252	135	200.4
200	175	140	306	162	250.4
250	195	155	358	218	321.1

PE FLANGE II

Size	L1	L2	D1	D2	D3
63	78	60	108	52	83.4
75	84	64	125	62	100.5
90	80	70	145	75	119
110	96	82	164	90	138.1
160	108	93	246	135	200.4
200	126	111	296	162	250.3
250	140	122	360	218	312.1
315	165	145	442	260	392.3

ELECTROFUSION FITTING SERIES (ISO 4437/EN1555/AS 4129)

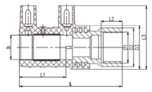


ITEM NO:PEEF008-V

TAPPING TEE WITH VALVE

Size	A	B	C	D	E
63×20	62	128.2	388	64	136
63×25	65	128.2	388	64	136
63×32	68	128.2	388	64	136
63×40	71	121	388	64	136
63×50	100	143.5	408	74	136
63×63	93.5	143.5	408	74	136
75×20	62	128.2	398	70.9	165.6
75×25	65	128.2	398	70.9	165.6
75×32	68	128.2	398	70.9	165.6
75×40	71	212	398	70.9	165.6
90×20	62	128.2	401	77.3	165.4
90×25	65	128.2	401	77.3	165.4
90×32	68	128.2	401	77.3	165.4
90×40	71	121	401	77.3	165.4
90×50	100	160	443.3	885	165.4
90×63	93.5	160	443.3	88.5	165.4
110×20	62	128.2	411	87	165.2
110×25	65	128.2	411	87	165.2
110×32	68	128.2	411	87	165.2
110×40	71	121	411	87	165.2
110×50	100	160	448.3	93.5	165.2
110×63	93.5	160	448.3	93.5	165.2
110×90	85	160	456.5	112.2	195.2
125×20	62	138.2	418.7	94.7	167
125×25	65	138.2	418.7	94.7	167
125×32	68	138.2	418.7	94.7	167
125×40	71	131	418.7	94.7	167
125×50	100	160	456	101.2	167
125×63	93.5	160	456	101.2	167
160×20	62	138.2	436.3	112.3	170.1
160×25	65	138.2	436.3	112.3	170.1
160×32	68	138.2	436.3	112.3	170.1
160×40	71	131	436.3	112.3	170.1
160×50	100	160	473.5	118.8	170.1
160×63	93.5	160	473.5	118.8	170.1
180×20	62	138.2	446.4	122.3	170.4
180×25	65	138.2	446.4	122.3	170.4
180×32	68	138.2	446.4	122.3	170.4
180×40	71	131	446.4	122.3	170.4
180×50	100	170	456	128.8	170
180×63	93.5	170	456	128.8	170
200×20	62	138.2	462.4	138.3	170.8
200×25	65	138.2	462.4	138.3	170.8
200×32	68	138.2	462.4	138.3	170.8
200×40	71	131	462.4	138.3	170.8
200×50	100	170	494.6	1398	170.8
200×63	93.5	170	494.6	139.8	170.8
225×20	62	138.2	475.6	151.5	170.9
225×25	65	138.2	475.6	151.5	170.9
225×32	68	138.2	475.6	151.5	170.9
225×40	71	131	475.6	151.5	170.9
225×50	100	170	512.8	158	170.9
225×63	93.5	170	512.8	158	170.9

Size	A	B	C	D	E
250×20	62	176.4	528.3	176.5	263.9
250×25	65	178.6	528.3	176.5	263.9
250×32	68	179.2	528.3	176.5	263.9
250×40	71	175.3	528.3	176.5	263.9
250×50	100	170	528.3	176.5	263.9
250×63	93.5	170	528.3	176.5	263.9
280×20	62	176.4	543.3	191.5	264.2
280×25	65	178.6	543.3	191.5	264.2
280×32	68	179.2	543.3	191.5	264.2
280×40	71	175.3	543.3	191.5	264.2
280×50	100	170	543.3	191.5	264.2
280×63	93.5	170	543.3	191.5	264.2
315×20	62	176.4	560.8	209	265.6
315×25	65	178.6	560.8	209	265.6
315×32	68	179.2	560.8	209	265.6
315×40	71	175.3	560.8	209	265.6
315×50	100	170	560.8	209	265.6
315×63	93.5	170	560.8	209	265.6



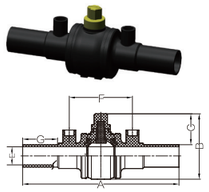
ITEM NO:PEEF012

TRANSITION FITTINGS

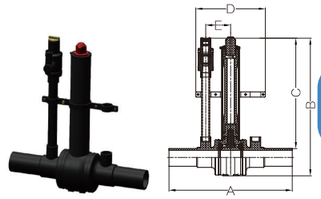
Size	L	L1	L2	L3	D	D1	D2	D3
20×3/4"	87	39.5	18	53.8	20.5	G3/4"	33	37

Pressure

BALL VALVE SERIES (ISO 4437/EN1555)



ITEM NO:PEBV01



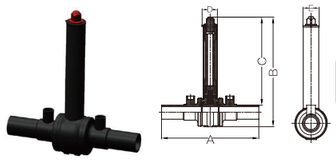
ITEM NO:PEBV03

STANDARD BALL VALVE

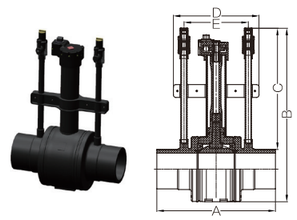
Size	A	B	C	E	F	G
63	656	241.9	138.9	50.7	311.4	130
90	729.2	279.8	142.8	72.6	311.4	160
110	770	321.3	151.6	89.2	311.4	171.5
125	770	321.3	144.3	100.9	311.4	178.5
160	812	426.8	180	129.2	405	160
180	812	426.8	170	147.2	405	160
200	920.4	577.9	277.4	161.6	514.4	154
225	934.4	577.9	246.9	181.8	514.4	161
250	910.4	627.9	277.4	202.1	514.4	161
280	910.4	627.9	262.4	226.5	514.4	151
315	948.4	703.3	285.4	254.8	514.4	163.5
355	983.4	748.9	285.4	287	514.4	188
400	1065	750.9	262.9	323.4	514.4	222.5

VALVE WITH SINGLE PURGE

Size	A	B	C	D	E
63	656	779.7	680.7	434.4	155.7
90	729.2	825	688.6	434.4	155.7
110	770	887	697.4	434.4	155.7
125	770	972.6	725.9	434.4	155.7
160	812	972.6	715.9	528	202.5
180	812	1207	906.5	528	202.5
200	920.4	1207	894	684.4	257.2
225	934.4	1207	906.5	684.4	257.2
250	910.4	1257	906.5	684.4	257.2
280	910.4	1257	891.5	684.4	257.2
315	948.4	1332.4	914.5	684.4	257.2
355	983.4	1378	914.5	684.4	257.2
400	1065	1380	892	684.4	257.2



ITEM NO:PEBV02



ITEM NO:PEBV04

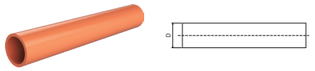
VALVE WITH EXTENDED STERN

Size	A	B	C	D	E
63	656	779.7	680.7	121	114
90	729.2	825	688.6	121	114
110	770	887	697.4	121	114
125	770	972.6	725.9	121	114
160	812	972.6	715.9	121	114
180	812	1207	906.5	121	114
200	920.4	1207	894	238	280
225	934.4	1207	906.5	238	280
250	910.4	1257	906.5	238	280
280	910.4	1257	891.5	238	280
315	948.4	1332.4	914.5	238	280
355	983.4	1378	914.5	238	280
400	1065	1380	892	238	280

VALVE WITH DOUBLE PURGE

Size	A	B	C	D	E
63	656	779.7	680.7	434.4	311.4
90	729.2	825	688.6	434.4	311.4
110	770	887	697.4	434.4	311.4
125	770	972.6	725.9	434.4	311.4
160	812	972.6	715.9	528	405
180	812	1207	906.5	528	405
200	920.4	1207	894	684.4	514.4
225	934.4	1207	906.5	684.4	514.4
250	910.4	1257	906.5	684.4	514.4
280	910.4	1257	891.5	684.4	514.4
315	948.4	1332.4	914.5	684.4	514.4
355	983.4	1378	914.5	684.4	514.4
400	1065	1380	892	684.4	514.4

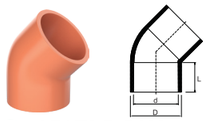
CPVC FIRE PROTECTION PIPES & FITTINGS



ITEM NO: CPFP01

PRESSURE PIPES

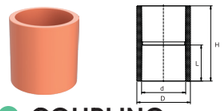
Nom Size	Outer Dia	Wall Thickness
1/2"	21.34	1.57
3/4"	26.67	1.98
1"	33.4	2.46
1-1/4"	42.16	3.12
1-1/2"	48.26	3.58
2"	60.33	4.47
2-1/2"	73.03	5.41
3"	88.9	6.58
4"	114.3	8.46



ITEM NO: CPF001

45°ELBOW

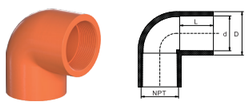
Nom Size	D	d	L
1/2"	29.3	21.34	22.7
3/4"	35.1	26.67	25.9
1"	43.1	33.4	29.1
1-1/4"	52.4	42.16	32.3
1-1/2"	59	48.26	35.4
2"	72.5	60.33	38.6
2-1/2"	87.8	73.03	45
3"	104.9	88.9	48.1
4"	132.4	114.3	57.6



ITEM NO: CPF003

COUPLING

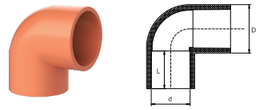
Nom Size	D	d	H	L
1/2"	29.3	21.34	48.8	22.7
3/4"	35.1	26.67	55.2	26.0
1"	43.1	33.4	61.6	29.1
1-1/4"	52.4	42.16	67.4	32.3
1-1/2"	59	48.26	74.3	35.4
2"	72	60.33	80.1	38.6
2-1/2"	87.8	73.03	95.3	45
3"	104.9	88.9	101	48.1
4"	132.4	114.3	120.5	57.4



ITEM NO: CPF007

FEMALE THREAD ELBOW

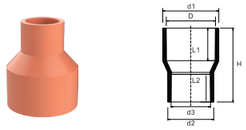
Nom Size	D	d	L	NPT
1/2"	32.5	21.34	22.7	1/2"
3/4"	38.1	26.67	25.9	3/4"
1"	46	33.4	29.1	1"
1-1/4"	55.9	42.16	32.3	1-1/4"
1-1/2"	63.5	48.26	35.4	1-1/2"
2"	76.2	60.33	38.6	2"



ITEM NO: CPF002

90°ELBOW

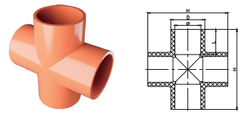
Nom Size	D	d	L
1/2"	29.8	21.34	22.7
3/4"	35.6	26.67	25.9
1"	43.1	33.4	29.1
1-1/4"	52.4	42.16	32.3
1-1/2"	59	48.26	35.4
2"	72	60.33	38.6
2-1/2"	87.8	73.03	45
3"	104.9	88.9	48.1
4"	132.4	114.3	56.6



ITEM NO: CPF004

REDUCING COUPLING

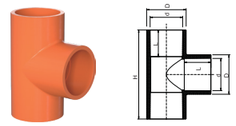
Nom Size	D	d1	d2	d3	H	L1	L2
3/4"X1/2"	35.1	26.67	29.3	21.34	57.5	25.9	22.7
1"X1/2"	43.4	33.4	29.8	21.34	63.1	29.1	22.7
1"X3/4"	43.1	33.4	35.5	26.67	65.4	29.1	25.9
1-1/4"X1/2"	52.4	42.16	29.3	21.34	66.4	32.3	22.7
1-1/4"X3/4"	52.4	42.16	35.1	26.67	67.6	32.3	25.9
1-1/4"X1"	52.4	42.16	43.4	33.4	72.2	33	28.2
1-1/2"X1/2"	59	48.26	29.3	21.34	70.5	35.4	22.7
1-1/2"X3/4"	59	48.26	35.5	26.67	73.7	35.4	25.9
1-1/2"X1"	59	48.26	43.5	33.4	76.9	35.4	28.8
2"X1/2"	59	48.26	52.4	42.16	80.1	35.4	32.3
2"X1/2"	72	60.33	29.3	21.34	79.7	38.6	22.7
2"X3/4"	72	60.33	35.1	26.67	81.4	38.6	25.9
2"X1"	72	60.33	43.1	33.4	84.6	38.6	29.1
2"X1-1/4"	72	60.33	52.4	42.16	87.8	38.6	32.3
2"X1-1/2"	72	60.33	59	48.26	90.9	38.6	35.4



ITEM NO: CPF019

CROSS TEE

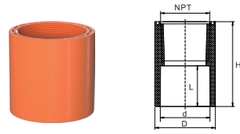
Nom Size	D	d	L	H
1/2"	29.4	21.34	23	71
3/4"	35	26.67	26	82.5
1"	43	33.4	29	97.5
1-1/4"	52	42.16	32	111
1-1/2"	59	48.26	35	124
2"	72	60.33	39	143



ITEM NO: CPF005

STRAIGHT TEE

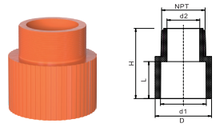
Nom Size	D	d	L	H
1/2"	29.3	21.34	22.4	70.8
3/4"	35.4	26.67	25.9	82.4
1"	43.1	33.4	29.1	97.6
1-1/4"	52.4	42.16	32.3	110.9
1-1/2"	59	48.26	35.4	122.7
2"	72	60.33	38.6	142.7
2-1/2"	87.8	73.03	45	168.2
3"	104.9	88.9	48.1	190.2
4"	132.4	114.3	57.6	235.6



ITEM NO: CPF006

FEMALE ADAPTOR

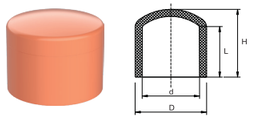
Nom Size	D	d	H	L	NPT
1/2"	32.5	21.34	45.7	22.7	1/2"
3/4"	38.1	26.67	54.8	25.9	3/4"
1"	46	33.4	58.7	29.1	1"
1X1/2"	46	33.6	52.1	29.1	1/2"
1-1/4"	55.9	42.16	64.3	32.3	1-1/4"
1-1/2"	63.5	48.26	70.9	35.4	1-1/2"
2"	76.2	60.33	74.6	38.6	2"
2-1/2"	87.8	73.03	92.3	45	2-1/2"
3"	104.9	88.9	97.9	48.1	3"
4"	132.4	114.3	109.9	57.6	4"



ITEM NO: CPF009

MALE ADAPTOR

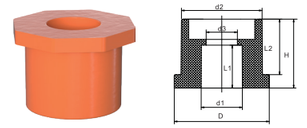
Nom Size	D	d1	d2	NPT	H	L
1/2"	30	21.34	9.4	1/2"	46.5	23.2
3/4"	35.8	26.67	14	3/4"	55.9	25.9
1"	44	33.4	18.8	1"	61	29.1
1-1/4"	53	42.16	26.8	1-1/4"	65.5	32.5
1-1/2"	60	48.26	32.4	1-1/2"	70.9	35.4
2"	73	60.33	43.3	2"	76.7	38.6
2-1/2"	88.2	73.03	51.0	2-1/2"	93.2	44.8
3"	104.9	88.9	66.0	3"	99.0	48.1
4"	132	114.3	89.9	4"	112	57.0



ITEM NO: CPF011

END CAP

Nom Size	D	d	L	H
1/2"	29.3	21.34	22.7	39.7
3/4"	35.1	26.67	25.9	33.7
1"	43.1	33.4	29.1	33.8
1-1/4"	52.4	42.16	32.3	43
1-1/2"	59	48.26	35.4	45.8
2"	72	60.33	38.6	51.8
3"	105	89.31	51.61	61.5
4"	132	114.76	60.95	71.8

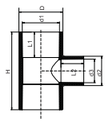


ITEM NO: CPF010

REDUCING RING

Nom Size	D	d1	d2	d3	L1	L2	H
3/4"X1/2"	35	21.54	26.57	14	22.22	26.9	33.4
1"X1/2"	43	21.54	33.27	14	22.22	29.08	35.6
1"X3/4"	43	26.87	33.27	18	25.9	29.08	35.6
1-1/4"X1/2"	52.4	21.34	42.16	13.5	22.7	31.5	40
1-1/4"X3/4"	52.4	26.64	42.16	17.8	25.9	31.5	40
1-1/4"X1"	52.4	33.4	42.16	24	29.1	31.5	40
1-1/2"X1/2"	59	21.34	48.26	13	22.7	35	43
1-1/2"X3/4"	58.5	26.67	48.26	17.3	25.9	35	43
1-1/2"X1"	59	33.4	48.26	24.3	29.1	35	43
1-1/2"X1-1/4"	59	42.16	48.26	31.2	32.3	35	43
2"X1/2"	72	21.34	60.33	13	22.7	39	49
2"X3/4"	72	33.4	60.33	23.5	29.1	39	49
2"X1"	72	26.67	60.33	18	29.1	38.3	48.6
2"X1-1/4"	72	42.16	60.33	32	32.3	39	49
2"X1-1/2"	72	48.26	60.33	36.2	35.4	38.6	48.6
2-1/2X1"	87.2	33.7	72.9	24.3	29.1	45	52.5
2-1/2X1-1/4"	87.2	42.5	72.9	32	32.3	45	52.5
2-1/2X1-1/2"	87.2	48.6	72.9	36.7	35.5	45	52.5
2-1/2X2"	87.2	60.7	72.9	53.8	38.6	45	52.5
3"X1-1/2"	104.9	48.26	88.9	42	35.5	47.1	55.1
3"X2"	104.9	60.33	88.9	53.8	38.6	47.1	55.1
4"X1-1/2"	132.4	48.26	114.3	42	35.5	56.6	65.1
4"X2"	132.4	60.33	114.3	53.8	38.6	56.6	65.1
4"X3"	132.4	88.9	114.3	82	48.1	56.6	65.1

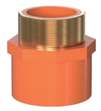
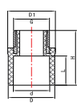
CPVC FIRE PROTECTION PIPES AND FITTINGS



ITEM NO: CPF008

REDUCING TEE

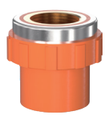
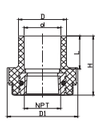
Nom Size	D	d1	d2	d3	L1	L2	H
3/4"X1/2"	35.5	26.67	30	21.34	25.9	22.7	79.1
1"X1/2"	43.1	33.4	29.3	21.34	29.1	22.7	80.5
1"X3/4"	43.1	33.4	35.1	26.67	29.1	25.9	91
1-1/4"X1/2"	52.4	42.16	29.3	21.34	32.3	22.7	92.2
1-1/4"X3/4"	52.4	42.16	35.1	26.67	32.3	25.9	97.3
1-1/4"X1"	52.4	42.16	43.1	33.4	32.3	29.1	105.8
1-1/2"X1/2"	59	48.26	29.3	21.34	35.4	22.7	97.6
1-1/2"X3/4"	59	48.26	35.1	26.67	35.4	25.9	103.7
1-1/2"X1"	59	48.26	43.1	33.4	35.4	29.1	110.5
1-1/2"X1-1/4"	59	48.26	52.4	42.16	35.4	32.3	118.9
2"X1/2"	72	60.33	29.3	21.34	38.6	22.7	104.7
2"X3/4"	72	60.33	35.1	26.67	38.6	25.9	109.7
2"X1"	72	60.33	43.1	33.4	38.6	29.1	115.9
2"X1-1/4"	72	60.33	52.4	42.16	38.6	32.3	124.6
2"X1-1/2"	72	60.3	59	48.26	38.6	35.4	131.6
4X2"	132.4	114.8	72.1	60.7	57.6	38.6	190

ITEM NO: CPF014

MALE ADAPTOR WITH BRASS

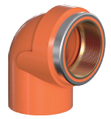
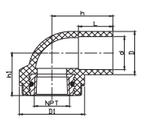
Nom Size	D1	D	d	H	L	G
1/2"	30.4	29.4	21.34	44.2	22.7	1/2"
3/4"	36.1	35.1	26.67	48.9	25.9	3/4"
1"	44.1	43.1	33.4	54.5	29.1	1"
1-1/4"	53.4	52.4	42.16	63.1	32.3	1-1/4"
1-1/2"	60	59	48.26	69.7	35.4	1-1/2"
2"	73	72	60.33	76.1	38.6	2"

ITEM NO: CPF015

FEMALE SPRINGKLER HEAD ADAPTOR BRASS THREAD

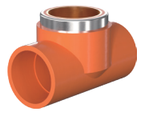
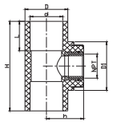
Nom Size	D1	D	d	L	NPT	H
1/2"	45.3	29.4	21.34	23	1/2"	40.5
1/2"X3/4"	51.6	29.4	21.34	23	3/4"	43.5
3/4"	51.6	35	26.67	26	3/4"	46.5
3/4"X1/2"	45.3	35	26.67	26	1/2"	44.5
1"	59	43	33.4	29	1"	53.5
1"X1/2"	46	43.1	33.6	29.1	1/2"	48.1
1"X3/4"	51.6	43	33.4	29	3/4"	50

ITEM NO: CPF016

FEMALE SPRINKLER HEAD ELBOW 90° BRASS THREAD

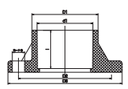
Nom Size	D1	D	d	L	NPT	h	h1
1/2"	42.9	29.4	21.34	23	1/2"	39.4	28
1/2"X3/4"	49.2	29.4	21.34	23	3/4"	38.5	31.5
3/4"	49.2	35	26.67	26	3/4"	45.9	34.5
3/4"X1/2"	42.9	35	26.67	26	1/2"	39.5	30.5
1"	56.7	43.54	33.66	29.08	1"	50	41
1-1/4"	67	52	42.16	32	1-1/4"	60	46.5
1-1/2"	73	59	48.26	35	1-1/2"	66	51
2"	87.6	72	60.33	39	2"	75	61

ITEM NO: CPF017

FEMALE SPRINKLER HEAD TEE BRASS THREAD

Nom Size	D1	D	d	L	NPT	h	h1
1/2"	42.9	29.4	21.34	23	1/2"	28	77
1/2"X3/4"	49.2	29.4	21.34	23	3/4"	31.5	77
3/4"	49.2	35	26.67	26	3/4"	34.5	92
3/4"X1/2"	42.9	35	26.67	26	1/2"	30.5	79
1"	56.7	43.54	33.66	29.08	1"	41	100
1-1/4"	67	52	42.16	32	1-1/4"	46.5	120
1-1/2"	73	59	48.26	35	1-1/2"	51	132
2"	87.6	72	60.33	39	2"	61	150



ITEM NO: CTF01

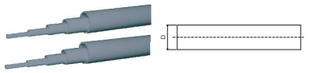
FLANGE

Nom Size	D1	D2	D3	d1	l	n-Øe
1/2"	30	60.5	89	21.34	22	4-16
3/4"	34	70.5	98	26.67	23.5	4-16
1"	42.5	79.5	108	33.4	25.5	4-16
1-1/4"	52	89.5	118	42.16	32	4-16
1-1/2"	61.5	98.5	127	48.26	32.5	4-19
2"	76	120.5	151.5	60.33	35.8	4-19
2-1/2"	89.5	139.5	177.3	70.03	41	4-19
3"	107.5	152.5	191	88.9	48.5	4-19
4"	130.5	190.5	228.5	114.3	58.5	8-19

CPVC PRESSURE PIPES & FITTINGS

PRESSURE FOR HOT AND COLD

Pressure for Hot&Cold



ITEM NO: CPSP01

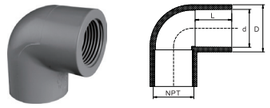
PRESSURE PIPES

Nom Size	Outer Dia	Wall Thickness
1/2"	21.34	3.73
3/4"	26.67	3.91
1"	33.4	4.55
1-1/4"	42.16	4.85
1-1/2"	48.26	5.08
2"	60.33	5.54
2-1/2"	73.03	7.01
3"	88.9	7.62
4"	114.3	8.56
6"	168.3	10.97
8"	219.1	12.7
10"	273.1	15.06
12"	323.9	17.45

ITEM NO: CPS001

45°ELBOW

Nom Size	D	d	L
1/2"	29.3	21.34	22.7
3/4"	35.1	26.67	25.9
1"	43.1	33.4	29.1
1-1/4"	52.4	42.16	32.3
1-1/2"	59	48.26	35.4
2"	72.5	60.33	38.6
2-1/2"	87.8	73.03	45
3"	104.9	88.9	48.1
4"	132.4	114.3	57.6
6"	191.2	168.3	76.7
8"	247.2	219.8	102.6
10"	305.9	273.8	128
12"	361.5	324.6	153.5



ITEM NO: CPS007

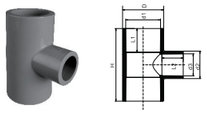
FEMALE THREAD ELBOW

Nom Size	D	d	L	NPT
1/2"	32.5	21.34	22.7	1/2"
3/4"	38.1	26.67	25.9	3/4"
1"	46	33.4	29.1	1"
1-1/4"	55.9	42.16	32.3	1-1/4"
1-1/2"	63.5	48.26	35.4	1-1/2"
2"	76.2	60.33	38.6	2"

ITEM NO: CPS002

90°ELBOW

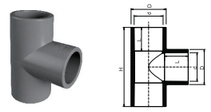
Nom Size	D	d	L
1/2"	29.8	21.34	22.7
3/4"	35.6	26.67	25.9
1"	43.1	33.4	29.1
1-1/4"	52.4	42.16	32.3
1-1/2"	59	48.26	35.4
2"	72	60.33	38.6
2-1/2"	87.8	73.03	45
3"	104.9	88.9	48.1
4"	132.4	114.3	56.6
6"	190.9	168.3	76.7
8"	247.2	219.8	102.6
10"	305.9	273.8	128
12"	361.5	324.6	153.5



ITEM NO: CPS008

REDUCING TEE

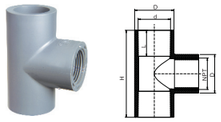
Nom Size	D	d1	d2	d3	L1	L2	H
3/4"×1/2"	35.5	26.67	30	21.34	25.9	22.7	79.1
1"×1/2"	43.1	33.4	29.3	21.34	29.1	22.7	80.5
1"×3/4"	43.1	33.4	35.1	26.67	29.1	25.9	91
1-1/4"×1/2"	52.4	42.16	29.3	21.34	32.3	22.7	92.2
1-1/4"×3/4"	52.4	42.16	35.1	26.67	32.3	25.9	97.3
1-1/4"×1"	52.4	42.16	43.1	33.4	32.3	29.1	105.8
1-1/2"×1/2"	59	48.26	29.3	21.34	35.4	22.7	97.6
1-1/2"×3/4"	59	48.26	35.1	26.67	35.4	25.9	103.7
1-1/2"×1"	59	48.26	43.1	33.4	35.4	29.1	110.5
1-1/2"×1-1/4"	59	48.26	52.4	42.16	35.4	32.3	118.9
2"×1/2"	72	60.33	29.3	21.34	38.6	22.7	104.7
2"×3/4"	72	60.33	35.1	26.67	38.6	25.9	109.7
2"×1"	72	60.33	43.1	33.4	38.6	29.1	115.9
2"×1-1/4"	72	60.33	52.4	42.16	38.6	32.3	124.6
2"×1-1/2"	72	60.3	59	48.26	38.6	35.4	131.6
4"×3"	132.5	114.8	105.7	89.3	58.2	48.6	234.5
5"×2"	161.6	141.8	72.7	60.6	67.7	39.1	285.6
6"×2"	192	168.8	73.1	60.6	77.2	39.1	332.5
6"×4"	192	168.8	132.5	114.8	77.2	58.2	332.5
8"×4"	246.5	219.8	132.5	114.8	102.6	58.2	435.2
8"×6"	246.5	219.8	192	168.8	102.6	77.2	435.2
10"×6"	305.8	273.8	192	168.8	128	77.2	446.6
10"×8"	305.8	273.8	246.5	219.8	128	102.6	496.5
12"×8"	361.6	324.6	246.5	219.8	153.4	102.6	583
12"×10"	361.6	324.6	305.8	273.8	153.4	128	656.8



ITEM NO: CPS005

STRAIGHT TEE

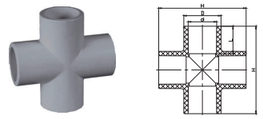
Nom Size	D	d	L	H
1/2"	29.3	21.34	22.4	70.8
3/4"	35.4	26.67	25.9	82.4
1"	43.1	33.4	29.1	97.6
1-1/4"	52.4	42.16	32.3	110.9
1-1/2"	59	48.26	35.4	122.7
2"	72	60.33	38.6	142.7
2-1/2"	87.8	73.03	45	168.2
3"	104.9	88.9	48.1	190.2
4"	132.4	114.3	57.6	235.6
6"	191.2	168.3	76.7	333.2
8"	247.2	219.8	102.6	445.2
10"	305.9	273.8	128	556
12"	361.5	324.6	153.5	663



ITEM NO: CPS018

FEMALE THREAD TEE

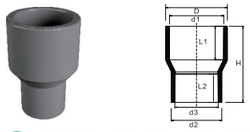
Nom Size	D	d	L	H	NPT
1/2"	32.5	21.34	22.7	70.8	1/2"
3/4"	38.1	26.67	25.9	82.5	3/4"
1"	46	33.4	29.1	97.4	1"



ITEM NO: CPS019

CROSS TEE

Nom Size	D	d	L	H
1/2"	29.4	21.34	23	71
3/4"	35	26.67	26	82.5
1"	43	33.4	29	97.5
1-1/4"	52	42.16	32	111
1-1/2"	59	48.26	35	124
2"	72	60.33	39	143



ITEM NO: CPS004

REDUCING COUPLING

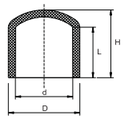
Nom Size	D	d1	d2	d3	H	L1	L2
3/4"×1/2"	35.1	26.67	29.3	21.34	57.5	25.9	22.7
1"×1/2"	43.4	33.4	29.8	21.34	63.1	29.1	22.7
1"×3/4"	43.1	33.4	35.5	26.67	65.4	29.1	25.9
1-1/4"×1/2"	52.4	42.16	29.3	21.34	66.4	32.3	22.7
1-1/4"×3/4"	52.4	42.16	35.1	26.67	67.6	32.3	25.9
1-1/4"×1"	52.4	42.16	43.4	33.4	72.2	33	28.2
1-1/2"×1/2"	59	48.26	29.3	21.34	70.5	35.4	22.7
1-1/2"×3/4"	59	48.26	35.5	26.67	73.7	35.4	25.9
1-1/2"×1"	59	48.26	43.5	33.4	76.9	35.4	28.8
1-1/2"×1-1/4"	59	48.26	52.4	42.16	80.1	35.4	32.3
2"×1/2"	72	60.33	29.3	21.34	79.7	38.6	22.7
2"×3/4"	72	60.33	35.1	26.67	81.4	38.6	25.9
2"×1"	72	60.33	43.1	33.4	84.6	38.6	29.1
2"×1-1/4"	72	60.33	52.4	42.16	87.8	38.6	32.3
2"×1-1/2"	72	60.33	59	48.26	90.9	38.6	35.4
2-1/2"×1-1/2"	73.4	87.8	58.96	48.56	92.5	45	35.42
2-1/2"×2"	73.4	87.8	72.04	60.64	92.5	45	38.6
3"×2"	89.3	104.9	72.04	60.64	105.5	48.1	38.6
4"×2-1/2"	114.8	132.4	87.8	73.4	123	57.6	45
4"×3"	114.8	132.4	104.9	89.3	123	57.6	48.1

ITEM NO: CPS003

COUPLING

Nom Size	D	d	H	L
1/2"	29.3	21.34	48.8	22.7
3/4"	35.1	26.67	55.2	26.0
1"	43.1	33.4	61.6	29.1
1-1/4"	52.4	42.16	67.4	32.3
1-1/2"	59	48.26	74.3	35.4
2"	72	60.33	80.1	38.6
2-1/2"	87.8	73.03	95.3	45
3"	104.9	88.9	101	48.1
4"	132.4	114.3	120.5	57.4
6"	191.2	168.3	160.3	76.7
8"	247.2	219.8	212.1	102.6
10"	305.9	273.8	262.9	128
12"	361.5	324.6	317	153.5

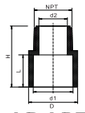
Pressure for Hot&Cold



ITEM NO: CPS011

END PLUG

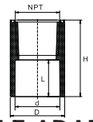
Nom Size	D	d	L	H
1/2"	29.3	21.34	22.7	39.7
3/4"	35.1	26.67	25.9	33.7
1"	43.1	33.4	29.1	33.8
1-1/4"	52.4	42.16	32.3	43
1"	59	48.26	35.4	45.8
2"	72	60.33	38.6	51.8
2-1/2"	87.58	73.38	44.95	56.85
3"	105	89.31	51.61	61.5
4"	132	114.76	60.95	71.8
6"	191	168.83	80.5	94.5
8"	246.7	219.08	102.5	133.9
10"	305.9	273.8	128	164.3
12"	361.5	324.6	153.5	199.3



ITEM NO: CPS009

MALE ADAPTOR

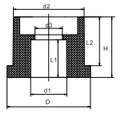
Nom Size	D	d1	d2	NPT	H	L
1/2"	30	21.34	9.4	1/2"	46.5	23.2
3/4"	35.8	26.67	14	3/4"	55.9	25.9
1"	44	33.4	18.8	1"	61	29.1
1-1/4"	53	42.16	26.8	1-1/4"	65.5	32.5
1-1/2"	60	48.26	32.4	1-1/2"	70.9	35.4
2"	73	60.33	43.3	2"	76.7	38.6
2-1/2"	88.2	73.03	51.0	2-1/2"	93.2	44.8
3"	104.9	88.9	66.0	3"	99.0	48.1
4"	132	114.3	89.9	4"	112	57.0



ITEM NO: CPS006

FEMALE ADAPTOR

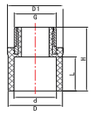
Nom Size	D	d	H	L	NPT
1/2"	32.5	21.34	45.7	22.7	1/2"
3/4"	38.1	26.67	54.8	25.9	3/4"
1"	46	33.4	58.7	29.1	1"
1-1/4"	55.9	42.16	64.3	32.3	1-1/4"
1-1/2"	63.5	48.26	70.9	35.4	1-1/2"
2"	76.2	60.33	74.6	38.6	2"
2-1/2"	87.8	73.03	92.3	45	2-1/2"
3"	104.9	88.9	97.9	48.1	3"
4"	132.4	114.3	109.9	57.6	4"



ITEM NO: CPS010

REDUCING RING

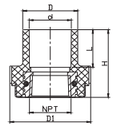
Nom Size	D	d1	d2	d3	L1	L2	H
3/4"×1/2"	35	21.54	26.57	14	22.22	26.9	33.4
1"×1/2"	43	21.54	33.27	14	22.22	29.08	35.6
1"×3/4"	43	26.87	33.27	18	25.9	29.08	35.6
1-1/4"×1/2"	52.4	21.34	42.16	13.5	22.7	31.5	40
1-1/4"×3/4"	52.4	26.64	42.16	17.8	25.9	31.5	40
1-1/4"×1"	52.4	33.4	42.16	24	29.1	31.5	40
1-1/2"×1/2"	59	21.34	48.26	13	22.7	35	43
1-1/2"×3/4"	58.5	26.67	48.26	17.3	25.9	35	43
1-1/2"×1"	59	33.4	48.26	24.3	29.1	35	43
1-1/2"×1-1/4"	59	42.16	48.26	31.2	32.3	35	43
2"×1/2"	72	21.34	60.33	13	22.7	39	49
2"×3/4"	72	33.4	60.33	23.5	29.1	39	49
2"×1"	72	26.67	60.33	18	29.1	38.3	48.6
2"×1-1/4"	72	42.16	60.33	32	32.3	39	49
2"×1-1/2"	72	48.26	60.33	36.2	35.4	38.6	48.6
3"×1-1/2"	104.9	48.26	88.9	42	35.5	47.1	55.1
3"×2"	104.9	60.33	88.9	53.8	38.6	47.1	55.1
3"×2-1/2"	90.3	54	88.5	75.6	33	49	51.5
4"×1-1/2"	132.4	48.26	114.3	42	35.5	56.6	65.1
4"×2"	132.4	60.33	114.3	53.8	38.6	56.6	65.1
4"×3"	132.4	88.9	114.3	82	48.1	56.6	65.1
5"×4"	141.30	114.76	/	106	58.15	/	79.00
6"×3"	168.30	89.31	/	83	48.63	/	90.00
6"×4"	191.2	114.3	168.3	106.1	57.6	76.7	86.7
6"×5"	168.30	141.81	/	133	67.68	/	90.00
8×4"	249.2	114.7	219.1	106.1	57.6	102.6	115.6
8×6"	249.2	168.8	219.1	145	76.7	102.6	115.6
10"×3"	273.05	89.31	/	83	48.63	/	148.00
10"×4"	273.05	114.76	/	106	58.15	/	148.00
10"×6"	273.05	168.83	/	160	77.20	/	148.00
10"×8"	273.05	219.84	/	208	102.60	/	148.00
12"×4"	323.85	114.76	/	106	58.15	/	169.00
12"×6"	323.85	168.83	/	160	77.20	/	169.00
12"×8"	323.85	219.84	/	208	102.60	/	169.00
12"×10"	323.85	273.81	/	262.5	128	/	169.00



ITEM NO: CPS014

MALE ADAPTOR WITH BRASS

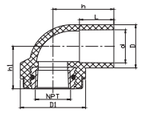
Nom Size	D1	D	d	H	L	G
1/2"	30.4	29.4	21.34	44.2	22.7	1/2"
3/4"	36.1	35.1	26.67	48.9	25.9	3/4"
1"	44.1	43.1	33.4	54.5	29.1	1"
1-1/4"	53.4	52.4	42.16	63.1	32.3	1-1/4"
1-1/2"	60	59	48.26	69.7	35.4	1-1/2"
2"	73	72	60.33	76.1	38.6	2"



ITEM NO: CPS015

FEMALE ADAPTOR WITH BRASS

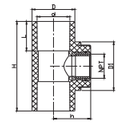
Nom Size	D1	D	d	L	NPT	H
1/2"	45.3	29.4	21.34	23	1/2"	40.5
1/2"×3/4"	51.6	29.4	21.34	23	3/4"	43.5
3/4"	51.6	35	26.67	26	3/4"	46.5
3/4"×1/2"	45.3	35	26.67	26	1/2"	44.5
1"	59	43	33.4	29	1"	53.5
1"×3/4"	51.6	43	33.4	29	3/4"	50



ITEM NO: CPS016

FEMALE ELBOW WITH BRASS

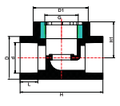
Nom Size	D1	D	d	L	NPT	h	h1
1/2"	42.9	29.4	21.34	23	1/2"	39.4	28
1/2"×3/4"	49.2	29.4	21.34	23	3/4"	38.5	31.5
3/4"	49.2	35	26.67	26	3/4"	45.9	34.5
3/4"×1/2"	42.9	35	26.67	26	1/2"	39.5	30.5
1"	56.7	43.54	33.66	29.08	1"	50	41
1-1/4"	67	52	42.16	32	1-1/4"	60	46.5
1-1/2"	73	59	48.26	35	1-1/2"	66	51
2"	87.6	72	60.33	39	2"	75	61



ITEM NO: CPS017

FEMALE TEE WITH BRASS

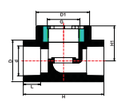
Nom Size	D1	D	d	L	NPT	h	h1
1/2"	42.9	29.4	21.34	23	1/2"	28	77
1/2"×3/4"	49.2	29.4	21.34	23	3/4"	31.5	77
3/4"	49.2	35	26.67	26	3/4"	34.5	92
3/4"×1/2"	42.9	35	26.67	26	1/2"	30.5	79
1"	56.7	43.54	33.66	29.08	1"	41	100
1-1/4"	67	52	42.16	32	1-1/4"	46.5	120
1-1/2"	73	59	48.26	35	1-1/2"	51	132
2"	87.6	72	60.33	39	2"	61	150



ITEM NO: CPS012

CPVC STOP VALVE TYPE I

Nom Size	D	d	D1	G	L	H
20×1/2"	29.6	21.6	34.8	1/2"	23.5	80
25×1/2"	36	26.99	42	3/4"	24	82
32×3/4"	43.7	33.7	51.7	1"	25	93

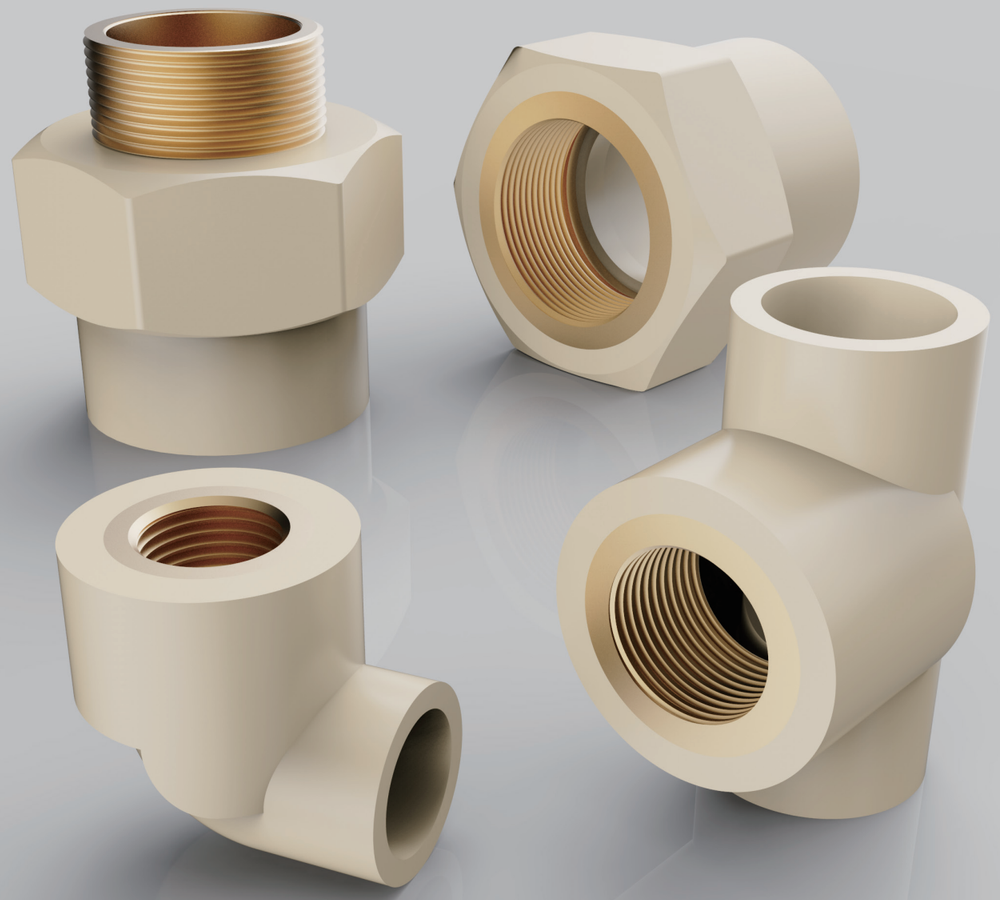


ITEM NO: CPS013

CPVC STOP VALVE TYPE II

Nom Size	D	d	D1	G	L	H
20×1/2"	29.6	21.6	34.8	1/2"	23.5	80
25×1/2"	36	26.99	42	3/4"	24	82
32×3/4"	43.7	33.7	51.7	1"	25	93

Pressure for Hot&Cold
Pressure for Hot&Cold



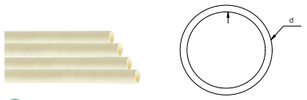
CPVC PRESSURE PIPES & FITTINGS

(DIN 8079/8080)

PRESSURE FOR HOT AND COLD

CE

(DIN 8079/8080) CPVC PRESSURE PIPES & FITTINGS



ITEM NO: CP001

CPVC PRESSURE PIPES(DIN8079)

Series		7	
Pressure rating		PN25 BAR	
	Size	d(mm)	s(mm)
Plain Pipe	20	20	2.6
Plain Pipe	25	25	3.0
Plain Pipe	32	32	3.9

ITEM NO: CP002

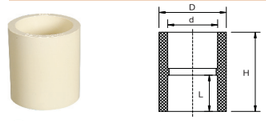
90°ELBOW

Nom Size	D	d	H	L
20	27.5	20	16.5	28.5
25	33.3	25	19.5	33.7
32	41	32	22.5	41.8
50	58.3	50.4	33.5	61
63	75	63	38.5	71

ITEM NO: CP003

TEE 90°

Nom Size	D	d	L	H	h
20	27.5	20	16.5	54.4	27.5
25	33.3	25	19.5	67.4	33.7
32	41	32	22.5	77.7	39
50	58.3	50.4	33.5	122	61
63	75	63	38.5	145	72.5



ITEM NO: CP006

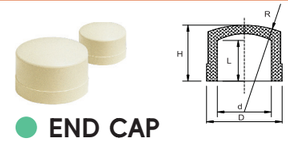
DOUBLE SOCKET

Nom Size	D	d	L	H
20	27.5	20	16.6	35.7
25	33.3	25	19.5	42
32	40.5	32	22.5	48
50	58.3	50.4	33.5	70
63	75	63	38.5	80

ITEM NO: CP008

45°ELBOW

Nom Size	D	d	H	L
20	27.5	20	21	16.5
25	33.3	25	25	19.5
32	41	32	30	22.5
40	47.9	40.4	37	27.5
50	58.3	50.4	45.5	33.5
63	74.8	63	53	38



ITEM NO: CP004

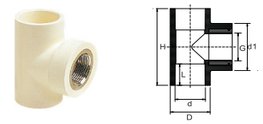
END CAP

Nom Size	D	d	L	H	R
20	28.6	20	16.5	23.2	31.5
25	34.2	25	19.5	26.3	35.7
32	42.1	32	22.5	31.6	38
63	76.8	63	38.5	52	144.9

ITEM NO: CP005

SHORT REDUCING BUSHES

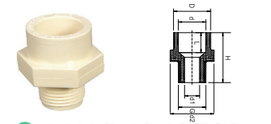
Nom Size	D	d	L	H
25X20	25	20	17.1	19.8
32X20	32	20	16.5	22.5
32X25	32	25	18.7	22.1
63X32	63	32	22.5	38.5



ITEM NO: CP017

TEE 90°ADAPTOR WITH BRASS INSERT

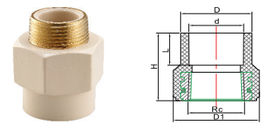
Nom Size	D	d	d1	G	L	H
20x1/2"	27.5	20.3	39	1/2"	16.5	65
25X3/4"	33.3	25	43	3/4"	19.5	70
25X1/2"	33.3	25	43	1/2"	19.5	70



ITEM NO: CP018

MALE ADAPTOR

Nom Size	D	d	d1	d2	G	L	H
20X1/2"	27.5	20	11.5	37	1/2"	16.5	40
25X3/4"	33	25	16	41.6	3/4"	19.5	44
32X1"	41	32	22	53.1	1"	22.5	48.5
63X2"	75	63	48.8	79.5	2"	38.5	76

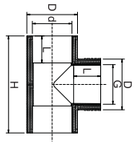


ITEM NO: CP020

MALE ADAPTOR WITH BRASS INSERT

Nom Size	D1	D	d	L	H	Rc
20X1/2"	40.6	28.3	20	16.5	39.8	1/2"
25X1/2"	31	29.9	25	19	33	1/2"
25X3/4"	45.6	33.3	25	19.5	40.8	3/4"
32X3/4"	39.3	38	32	22.5	46.3	3/4"
32X1"	50.7	42	32	22.5	43.8	1"
40X1-1/4"	60.5	50	40	25.5	58.5	1 1/4"
50X1-1/2"	70.3	62	50	30.5	65.5	1 1/2"
63X2"	80.7	75.8	63	38.5	77.8	2"

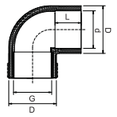
Pressure for Hot&Cold



ITEM NO: CP007

EQUAL FEMALE THREAD TEE WITH STEEL RING

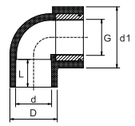
Nom Size	D	d	G	L	H
20X1/2"	27.5	20	1/2"	17.3	55.3
32X1"	41	32	1"	22.5	78



ITEM NO: CP009

FEMALE THREADED ELBOW

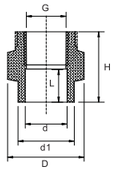
Nom Size	D	d	G	L
32X1"	41	32	1"	22.5



ITEM NO: CP015

ELBOW 90° ADAPTOR WITH BRASS INSERT

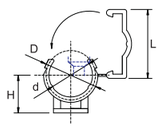
Nom Size	D	d	d1	G	L
20X1/2"	27.5	20	39	1/2"	16.5
25X1/2"	33.3	25	43	1/2"	19.5
25X3/4"	33.3	25	43	3/4"	19.5
32X3/4"	38.2	32.2	38.2	3/4"	22.5
32X1"	38	32.2	43.4	1"	22.5



ITEM NO: CP010

FEMALE ADAPTOR WITH STEEL RING

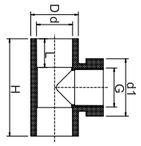
Nom Size	D	d	d1	G	L	H
20X1/2"	36.5	20	28	1/2"	16.1	36.3
25X3/4"	41.1	25	34.5	3/4"	19.5	40.5
32x1"	49.36	32.3	42	1"	22	45
63X2"	85.9	63	75.8	2"	38	69



ITEM NO: CP012

MONO D'CLIPS

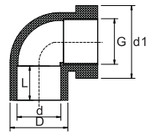
Nom Size	D	d	H	L
20	25.2	20	18	31.3
25	32	25	23	38.3
32	39	32	37.7	48.2



ITEM NO: CP011

REDUCED FEMALE THREADED TEE

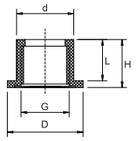
Nom Size	D	d	G	L	H	d1
25X3/4"	33	25	1/2"	19.5	67.3	41



ITEM NO: CP013

REDUCED FEMALE THREADED ELBOW

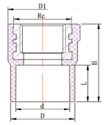
Nom Size	D	d	d1	G	L
20X1/2"	27.5	20	33.3	1/2"	16.5
25X1/2"	33	25	33	1/2"	19.5
25X3/4"	33	25	41	3/4"	19.5



ITEM NO: CP016

THREADED SHORT REDUCER

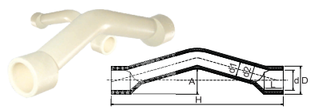
Nom Size	D	d	G	L	H
25X1/2"	33	25	1/2"	18	21.5



ITEM NO: CP021

FEMALE ADAPTOR WITH BRASS INSERT

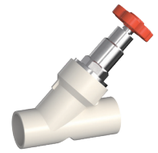
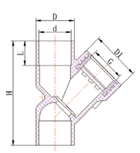
Nom Size	D1	D	d	L	H	Rc
20X1/2"	40.6	28.3	20	16.5	39.8	1/2"
25X1/2"	32.5	29.9	25	19	40.3	1/2"
25X3/4"	45.6	33.3	25	19.5	40.8	3/4"
32X3/4"	39.3	38	32	22.5	43.8	3/4"
32X1"	50.7	42	32	22.5	46.3	1"
40X1-1/4"	60.5	50	40	25.5	58.5	1 1/4"
50X1-1/2"	70.3	62	50	30.5	65.5	1 1/2"
63X2"	80.7	75.8	63	38.5	77.8	2"



ITEM NO: CP019

STEP OVER BEND

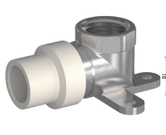
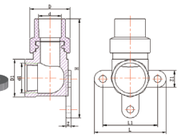
Nom Size	D	d2	d	d1	L	H	A
20	28.7	17	20	12.4	17	159.6	25.2
25	35.2	26	25	18.6	22.1	203.5	31.6

ITEM NO: CP025

ANGLE VALVE

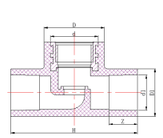
Nom Size	D	d	D1	G	L	H
25	29.9	25.2	38.1	3/4"	19	80.7
32	38	32.2	47	1"	22.5	98.5

ITEM NO: CPAS021

STAINLESS STEEL FEMALE ELBOW WITH STAINLESS STEEL BRACKET

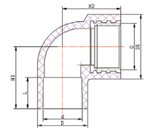
Nom Size	D	d	D1	d1	L	L1	Z	Z1	H
1/2"	28.2	16.1	26.6	1/2"	38.4	50.4	3.4	12	54.4



ITEM NO: CP022

STOP VALVE

Nom Size	D	d	D1	d1	Z	H
20	34.8	27.5	27.5	20.3	16.5	73
25	43.5	34.4	33.3	25.3	19.5	90



ITEM NO: CPAB01X

TYPE II BRASS THREADED FEMALE ELBOW

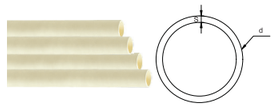
Nom Size	D1	D	d	L	G	H1	H2
3/4"	29.6	28.6	23.4	18	3/4"	35.5	33.3

Pressure for Hot&Cold

CPVC PRESSURE PIPES & FITTINGS

(ASTM D2846)

PRESSURE FOR HOT AND COLD



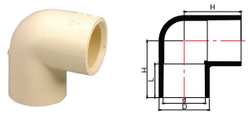
ITEM NO: CPA001

PRESSURE RATE:SDR11

Size	d(mm)	s(mm)
1/2"	15.9	1.73
3/4"	22.2	2.03
1"	28.6	2.59
1-1/4"	34.9	3.18
1-1/2"	41.3	3.76
2"	54	4.9

PRESSURE RATE:SDR13.5

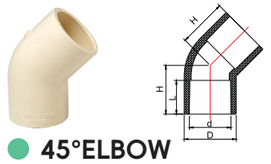
Size	d(mm)	s(mm)
1/2"	15.9	1.52
3/4"	22.2	1.73
1"	28.6	2.03
1-1/4"	34.9	2.59
1-1/2"	41.3	3.06
2"	54	4



ITEM NO: CPA002

90°ELBOW

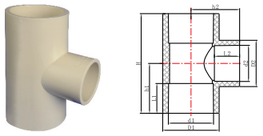
Nom Size	D	d	L	H
1/2"	21.5	15.9	13	23.1
3/4"	26.8	22.2	18	31.43
1"	34.5	28.6	23	39.22
1-1/4"	41.8	34.9	28.1	47.4
1-1/2"	49.4	41.3	33.5	55.4
2"	64.4	54	43.5	72.5



ITEM NO: CPA010

45°ELBOW

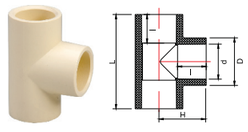
Nom Size	D	d	L	H
1/2"	20	15.9	13	18.8
3/4"	26.8	22.2	18	24.3
1"	34.5	28.6	23	30.9
1-1/4"	41.8	34.9	28.1	37.1
1-1/2"	49.46	41.3	33.5	44
2"	64.58	54	43.5	56.5



ITEM NO: CPAS02

REDUCING TEE

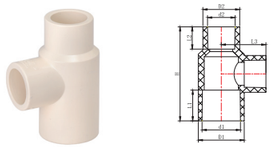
Nom Size	D1	d1	L1	h1	D2	d2	L2	H2	H
3/4"X1/2"	26.85	22.2	18	27.25	20.08	15.9	13	25.33	54.5
1"X1/2"	34.4	28.6	23	32.4	20.08	15.9	13	28.81	64.8
1"X3/4"	34.4	38.6	23	35.6	26.85	22.2	18	33.8	71.2
1-1/4"X1/2"	41.8	34.9	28.1	37.5	20.08	15.9	13	32	75
1-1/4"X3/4"	41.8	34.9	28.1	41	26.85	22.2	18	37	82
1-1/4"X1"	41.8	34.9	28.1	44	34.43	28.6	23	42	88
1-1/2"X1/2"	49.46	41.3	35.5	43	20.08	15.9	13	35.5	86
1-1/2"X3/4"	49.46	41.3	35.5	46.5	26.85	22.2	18	40.5	93
1-1/2"X1"	49.46	41.3	35.5	49.6	34.4	28.6	23	43.46	99.2
1-1/2"X1-1/4"	49.46	41.3	35.5	52.5	41.8	34.9	28.1	50.5	105
2"X3/4"	64.58	54	43.5	56.5	26.85	22.2	18	46.5	113
2"X1"	64.58	54	43.5	59.5	34.43	28.6	23	52	119
2"X1-1/4"	64.58	54	43.5	63	41.8	34.9	28.1	57	126
2"X1-1/2"	64.58	54	43.5	66	49.46	41.3	33.5	62.5	132



ITEM NO: CPA004

TEE

Nom Size	D	d	I	L	H
1/2"	21.5	15.9	13	43.8	21.9
3/4"	26.8	22.2	18	62	31
1"	34.5	28.6	23	80	40
1-1/4"	41.8	34.9	28.1	95.5	47.75
1-1/2"	49.4	41.3	33.5	112	56
2"	64.4	54	43.5	145	72.5

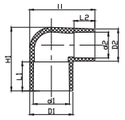


ITEM NO: CPA016

REDUCING TEE (II)

Nom Size	D1	d2	L1	d2	D2	L2	H	L3
1/2"X1/2"X3/4"	26.85	22.45	18	16.1	21.5	13	52.75	28
3/4"X1/2"X1/2"	26.85	22.45	18	16.1	21.5	13	55	26.08
3/4"X3/4"X1/2"	26.85	22.45	18	16.1	21.5	13	57.8	31.43
1"X1/2"X1/2"	34.4	28.83	23	16.1	21.5	13	62.66	29.83
1"X3/4"X3/4"	34.4	28.83	23	22.45	27.6	18	70.55	34.2

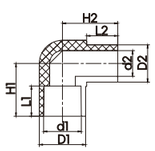
Pressure for Hot&Cold



ITEM NO: CPAS08

REDUCING ELBOW

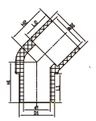
Nom Size	D1	d1	D2	d2	L1	L2	H1	H2
3/4"X1/2"	26.85	22.2	20	15.9	18	13	39.5	40.5
1"X1/2"	34.43	28.83	21.5	16.07	23	13	34	31
1"X3/4"	34.43	28.83	26.85	22.45	23	18	39	39
1-1/4"X1/2"	41.8	35.2	21.5	16.07	28.1	13	42.4	37.4
1-1/4"X1"	41.8	35.2	34.43	28.83	28.1	23	47.4	47.4
1-1/2"X3/4"	28.8	22.45	49.46	41.67	18	33.5	44	48
1-1/2"X1"	34.4	28.83	49.46	41.67	23	33.5	46	52
2"x3/4"	31.6	22.45	49.46	54.38	23	43.5	52	59.5
2"X1"	6.58	54.38	34.43	28.83	43.5	23	68	62
2"X1-1/2"	49.6	41.67	64.58	54.38	33.5	43.5	52	59.5



ITEM NO: CPAS018

MALE AND FEMALE ELBOW

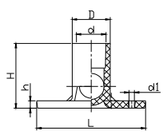
Nom Size	D	d	D1	L	L1	H
1/2"	21	16.1	15.72	22.5	13	24
3/4"	27.6	22.45	22.2	31.43	18	32.93
1"	34.43	28.83	28.6	39.22	23	41.7



ITEM NO: CPA019

MALE AND FEMALE 45°ELBOW

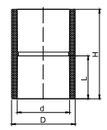
Nom Size	d1	D1	d2	D2	L1	L2	H1	H2
1/2"	9	15.9	16.1	21.5	13.5	13	19.5	19.3
3/4"	15.3	22.2	22.45	27.6	18.5	18	26.8	25.8
1"	21.7	28.6	28.83	34.43	23.5	23	32.7	32.4



ITEM NO: CPAS03

FEMALE THREAD ELBOW WALL PLATE

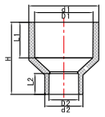
Nom Size	D	d	d1	H	h	L
1/2"	20.8	15.9	3	35.5	4	59.75
3/4"	26.85	22.2	3	46.5	4	74.75



ITEM NO: CPA013

SOCKET

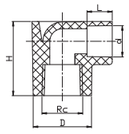
Nom Size	D	d	H	L
1/2"	21.5	15.9	28.9	13
3/4"	26.8	22.2	39.5	18
1"	34.5	28.6	50	23
1-1/4"	41.8	34.9	60	28.1
1-1/2"	49.4	41.3	70.5	33.5
2"	64.4	54	90.5	43.5



ITEM NO: CPAS04

REDUCING SOCKET

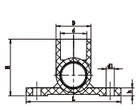
Nom Size	D1	d1	L1	d2	D2	L2	H
3/4"X1/2"	26.85	22.2	18	20.08	15.9	13	33.7
1"X1/2"	34.43	28.6	23	20.08	15.9	13	39
1"X3/4"	34.43	28.6	23	26.85	22.2	18	44
1-1/4"X1/2"	41.8	34.9	28.1	20.08	15.9	13	44.1
1-1/4"X3/4"	41.8	34.9	28.1	26.83	22.2	18	49.1
1-1/4"X1"	41.8	34.9	28.1	34.43	28.6	23	54.1
1-1/2"X1/2"	49.46	41.3	35.5	20.08	15.9	13	49.5
1-1/2"X3/4"	49.46	41.3	35.5	26.85	22.2	18	54.5
1-1/2"X1"	49.46	41.3	35.5	34.43	28.6	23	59.5
1-1/2"X1-1/4"	49.46	41.3	35.5	41.8	34.9	28.1	64.6
2"X3/4"	64.58	54	43.5	26.85	22.2	18	64.5
2"X1"	64.58	54	43.5	34.43	28.6	23	69.5
2"X1-1/2"	64.58	54	43.5	41.8	34.9	28.1	74.6
2"X1-1/4"	64.58	54	43.5	49.46	41.3	33.5	80



ITEM NO: CPAS07

FEMALE ELBOW WITH BRACKET

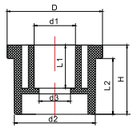
Nom Size	D	d	H	L	G
1/2"	30	15.9	38.2	13	1/2"



ITEM NO: CPA017

TEE WITH BRACKET

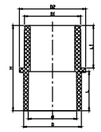
Nom Size	D	D1	D2	L	L1	H	NPT
1/2"	33	21.2	16.1	42.7	13	59.1	1/2"



ITEM NO: CPA009

REDUCING BUSHES

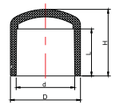
Nom Size	D	d1	d2	d3	H	L1	L2
3/4"X1/2"	26.8	15.9	22.1	14.72	21.2	13	18
1"X1/2"	34.5	15.9	28.47	14.72	26.4	13	23
1"X3/4"	34.5	22.2	28.47	21.1	26.4	18	23
1-1/4"X1/2"	41.8	15.9	34.85	14.72	31	13	28.1
1-1/4"X3/4"	41.8	22.2	34.85	21.1	31	18	28.1
1-1/4"X1"	41.8	28.6	34.85	27.47	31	23	28.1
1-1/2"X1/2"	49.5	15.9	41.2	14.72	36.3	13	33.5
1-1/2"X3/4"	49.5	22.2	41.2	21.1	36.3	18	33.5
1-1/2"X1"	49.5	28.6	41.2	27.47	36.3	23	33.5
1-1/2"X1-1/4"	49.5	34.9	41.2	33.85	36.3	28.1	33.5
2"X1/2"	64.6	16.08	53.9	14.72	47	13	43.5
2"X3/4"	64.6	22.45	53.9	21.1	47	18	43.5
2"X1"	64.6	28.83	53.9	27.47	47	23	43.5
2"X1-1/4"	64.6	34.9	54	33.85	47	28.1	42.5
2"X1-1/2"	64.6	15.9	54	14.72	47	13	43.5



ITEM NO: CPAS05

TRANSITION BUSH (ASTM2846 TO SCH80)

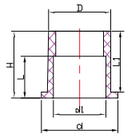
Nom Size	d	D	D1	D2	L	L1	H
1/2"	25	16.11	21.24	21.5	23.5	13	39
3/4"	30	22.45	26.57	26.85	26.5	18	47
1"	38	28.83	33.27	34.43	29	23	55
1-1/4"	46	35.2	42.04	41.8	32.5	28.1	62
1-1/2"	41.66	49.46	48.11	56.8	33.5	36.4	73
2"	54.38	64.46	60.17	68.5	43.5	39.6	86.5



ITEM NO: CPA003

END CAP

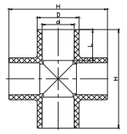
Nom Size	D	d	L	H
1/2"	21.5	15.9	13	17
3/4"	26.8	22.2	18	25.5
1"	34.5	28.6	23	32
1-1/4"	41.8	34.9	28.1	41
1-1/2"	49.4	41.3	33.5	44
2"	64.4	54	43.5	57



ITEM NO: CPAS10

REDUCING RING(IPS TO CTS)

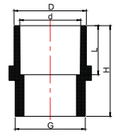
Nom Size	D	d	d1	H	L	L1
3/4"X3/4"	26.57	32	22.45	28.4	18	25.9
1"	33.27	39.5	28.83	32.28	23	29.08
1-1/4"	42.04	49	35.2	35.45	28.1	32.25
1-1/2"	48.11	56	41.67	38.93	33.5	35.43
2"	60.2	72	54.39	46.1	43.5	38.6
2"X2-1/2"	72.8	79.7	54.39	51	43.5	45
3X2"	88.8	95.4	54.4	57	49.5	49



ITEM NO: CPA011

CROSS TEE

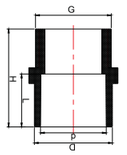
Nom Size	D	d	L	H
1/2"	21.5	15.9	13	44
3/4"	27	22.2	18	62
1"	34	28.6	23	80
1-1/4"	42	34.9	28	95.5
1-1/2"	49	41.3	33	112
2"	65	54	43	145



ITEM NO: CPA005

MALE ADAPTOR

Nom Size	D	d	G	H	L
1/2"	21.5	15.9	1/2"	41.4	13
3/4"	26.8	22.2	3/4"	42	18
1"	34.5	28.6	1"	47	23
1-1/4"	41.8	34.9	1 1/4"	55	28.1
1-1/2"	49.4	41.3	1 1/2"	62	33.5
2"	64.4	54	2"	75	43.5

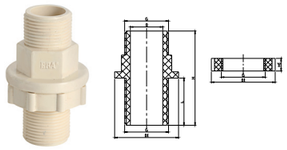


ITEM NO: CPAS06

REDUCING MALE ADAPTOR

Nom Size	D	d	G	H	L
3/4"X1/2"	26.85	22.2	1/2"	42	18

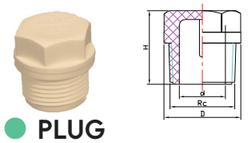
Pressure for Hot&Cold
Pressure for Hot&Cold



ITEM NO: CPAS011

TANK CONNECTOR

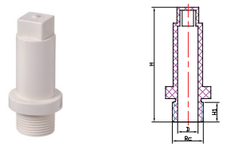
Nom Size	D	D1	L	H	H1	G
1/2"	13.4	39.4	30	66	8	1/2"
3/4"	19	45.4	35	74.3	10.1	3/4"
1"	23.5	51.4	40	82	12	1"
1-1/4"	31	61	45	90	12	1-1/4"
1-1/2"	36	67	50	98	14	1-1/2"
2"	45	79	55	106	14	2"



ITEM NO: CPA015

PLUG

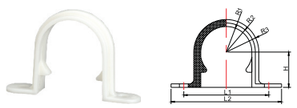
Nom Size	d	D	H	Rc
1/2"	13.4	24	29.2	1/2"
3/4"	18	20.9	32.5	3/4"
1"	23.5	39.2	37.5	1"



ITEM NO: CPAS014

LONG PLUG

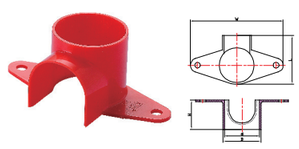
Nom Size	D	Rc	H	H1
1/2"	13.5	1/2"	77	13
3/4"	19	3/4"	80	13.5



ITEM NO: CPA006

BRACKET

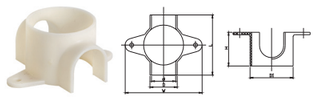
Nom Size	R1	R2	R3	H	L1	L2
2"	26.5	29.1	31.7	34.4	83.6	99
1-1/2"	20	22.5	25	28	68.6	84
1-1/4"	16.8	18.9	21	23.4	54	72.2
1"	14	15.6	17.2	19.4	43.2	55.6
3/4"	11	12.5	14	15.2	36.6	47.6
1/2"	7.8	9.2	10.6	12.6	27.6	39



ITEM NO: CPAS013

ELBOW HOLDER

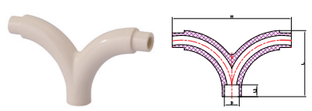
Nom Size	D	d	H	W	L
1X1/2"	36	33	27.5	88	46
3/4"X1/2"	36	33	34	88	46



ITEM NO: CPAS09

TEE HOLDER

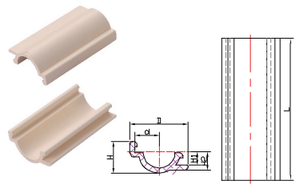
Nom Size	D	D1	d	W	L	H
1/2"X1/2"X1/2"	22.68	35.8	20.08	63.87	50	28
3/4"X3/4"X1/2"	29.45	35.8	26.85	64	56.2	35



ITEM NO: CPAS017

Y MALE & FEMALE ELBOW

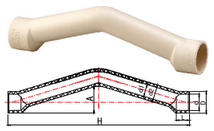
Nom Size	D	H	L	L1
1/2"	16.1	130	72.26	13



ITEM NO: CPAS015

PUNCHARE KIT

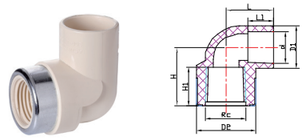
Nom Size	D	d	H	H1	H2	L
1/2"	29	12	16.05	6.5	9	70
3/4"	38.5	16	20	8	11	70



ITEM NO: CPAS01

STEP OVER BEND

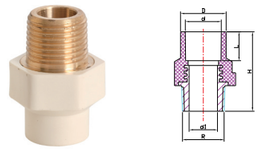
Nom Size	D	d	d1	d2	L	H	A
1/2"	21.5	15.9	12	17.4	13	180	26.5
3/4"	26.9	22.2	16.5	20.9	18	195	29.2
1"	34.5	28.6	21	26.6	23	215	32.4



ITEM NO: CPAS012

90 DEGREE FEMALE ELBOW WITH RING

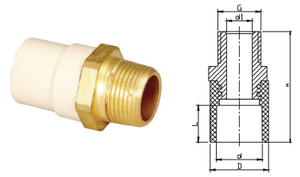
Nom Size	D1	D2	d	L	L1	H	H1	Rc
1/2"	21.5	30.5	16.1	24.25	13	30.25	20	1/2"
3/4 "X1/2"	26.85	30.5	22.45	33.25	18	33.58	20	1/2"



ITEM NO: CPAB06

II BRASS MALE THREAD ADAPTOR

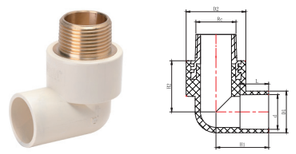
Nom Size	D	d	d1	H	L	G
1/2"	20.1	15.9		35	13	1/2"
3/4"	28.5	17.7	22.45	49.6	18	3/4"
1"	35	23.5	28.83	66.1	23	1"
1-1/4"	44	28.5	35.2	73.6	28.1	1-1/4"
1-1/2"	51.5	33.5	41.67	81	33.5	1-1/2"
2"	66	44	54.38	97.1	43.5	2"



ITEM NO: CPAB08

MALE BRASS REDUCING SOCKET

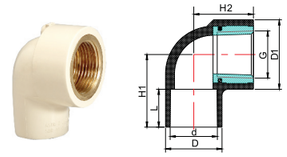
Nom Size	D	d	d1	G	L	H
3/4"X1/2"	28.5	22.45	12.5	1/2"	18	54
1"X1/2"	35	28.83	14	1/2"	23	59
1"X3/4"	35	28.83	19.7	3/4"	23	58.5



ITEM NO: CPAB011

BRASS THREAD MALE ELBOW

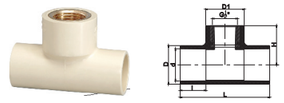
Nom Size	D1	D2	d	L	H1	H2	R
1/2"	21.58	32.5	16.07	13	28.5	26.25	1/2"
3/4"	26.85	38.5	22.45	18.5	34	33	3/4"
1"	34.43	47.5	28.83	23.5	44.5	38.8	1"



ITEM NO: CPAB01

BRASS THREAD FEMALE ELBOW

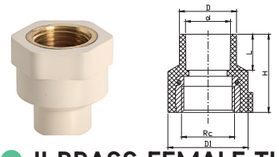
Nom Size	D1	D	d	L	G	H1	H2
1/2"	33	20.08	15.9	13	1/2"	29.5	26.56
3/4"	39	26.85	22.2	18	3/4"	35.5	28.15
3/4 "X1/2"	33	26.85	22.2	18	1/2"	34.5	28.35
1"X1/2"	33	34.43	28.6	23	1/2"	38.5	35.07
1"X3/4"	39	34.43	28.83	23	3/4"	41	34
1"	44.9	34.43	28.83	23	1"	40	40
1-1/4"	59.5	41.8	35.2	28.1	1 1/4"	47.4	46.6



ITEM NO: CPAB02

BRASS THREADED FEMALE TEE

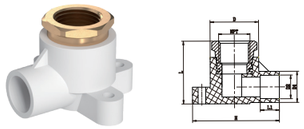
Nom Size	D1	D	d	I	G	L	H
1/2"	33.2	20	15.9	13	1/2"	52	39
3/4"X1/2"	33.2	26.8	22.2	18	1/2"	68.5	31.5
1"X1/2"	34.9	34.5	28.6	23	1/2"	80	35
1-1/4"	59.5	41.8	35.2	28.1	1-1/4"	94.8	45.9
1-1/4"X1/2"	33.2	41.8	35.2	28.1	1/2"	94.8	40



ITEM NO: CPAB07

II BRASS FEMALE THREAD ADAPTOR

Nom Size	D	d	D1	Rc	L	H
1/2"	21.7	15.9		1/2"	13	44.5
3/4"	28.5	22.45	40	3/4"	18	39
1"	35	28.83	51.86	1"	23	51.5
1-1/4"	44	35.2	60.5	1-1/4"	28.1	59.6
1-1/2"	51.5	41.67	68	1-1/2"	33.5	70
2"	66	54.38	82	2"	43.5	82

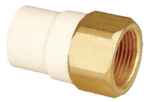
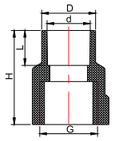


ITEM NO: CPAB017

CPVC FEMALE ELBOW WITH BRACKET

Nom Size	D	D1	D2	L	L1	H	Rc
1/2"	33	21.2	16.1	42.7	13	59.1	1/2"

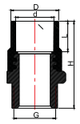
Pressure for Hot&Cold

ITEM NO: CPAB04

BRASS THREADED FEMALE ADAPTOR

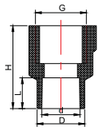
Nom Size	D	d	H	L	G
1/2"	21.7	15.9	42.5	13	1/2"
3/4"	28.5	22.2	50	18	3/4"
1"	35	28.6	65	23	1"
1-1/4"	44	34.9	77	28.1	1-1/4"
1-1/2"	51.5	41.3	84	33.5	1-1/2"
2"	64.4	54	94	43.5	2"



ITEM NO: CPAB03

BRASS THREADED MALE ADAPTOR

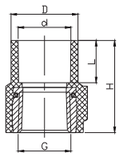
Nom Size	D	d	H	L	G
1/2"	21.7	15.9	48	13	1/2"
3/4"	28.5	22.2	53	18	3/4"
1"	35	28.6	71	23	1"
1-1/4"	44	34.9	80	28.1	1-1/4"
1-1/2"	51.5	41.3	88	33.5	1-1/2"
2"	66	54.4	102.7	43.5	2"



ITEM NO: CPA008

FEMALE ADAPTOR

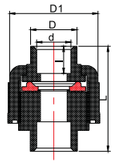
Nom Size	D	d	G	H	L
1/2"	20	15.9	1/2"	35	13
3/4"	26.8	22.2	3/4"	42	18
1"	34.5	28.6	1"	50	19.3
1-1/4"	41.8	34.9	1-1/4"	58	28.1
1-1/2"	49.46	41.3	1-1/2"	68	33.5
2"	64.58	54	2"	87	43.5



ITEM NO: CPAB05

BRASS THREAD REDUCING SOCKET

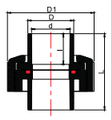
Nom Size	D	d	H	L	G
3/4"X1/2"	28.5	22.2	39.2	18	1/2"
1"X1/2"	34.4	28.6	44.5	23	1/2"
1"X3/4"	35	28.83	44	23	3/4"



ITEM NO: CPA014

I UNION

Nom Size	d	D	D1	I	L
15mm(1/2")	15.9	21.7	41.3	12.7	49.1
20mm(3/4")	22.2	30.2	53.3	19.5	63



ITEM NO: CPA007

II UNION

Nom Size	d	D	D1	I	L
15mm(1/2")	15.9	21.8	39.5	13	36.5
20mm(3/4")	22.4	28.7	44	21	51
25mm(1")	28.6	34.43	65	23	57.5
40mm(1-1/4")	35.2	41.8	67.5	28.1	65.1
50mm(1-1/2")	41.66	49.2	76	33.5	75.7
63mm(2")	54.38	64.58	94	43.5	99.2

ITEM NO: CPAC01

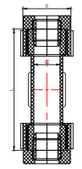
COMPACT BALL VALVE

Nom Size	D1	d	D	L	I	W	H1	H2
15mm(1/2")	15.9	12.4	24	68.5	19	60	58	40.7
20mm(3/4")	22.2	18.4	32	84	24	70.2	73	51.6
25mm(1")	28.6	20.5	38.4	91	25	79	77	52.3
1-1/4"	34.9	25	45.8	105.5	28.5	100	93.5	65.2
1-1/2"	41.3	30.6	53.5	121	33.5	108	104.8	72.3
2"	54	41	68.4	149	43.5	130	122	82

ITEM NO: CPAC02

CPVC VALVE

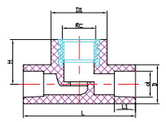
Nom Size	d1	d2	D1	D2	L	L1	L2	L3	H
1/2"	16.09	12.4	22.7	35	13	56	59	52	34.4
3/4"	22.46	18	29.8	44	18	73	76.6	70	45
	28.83	24.5	36.8	55	23	86	94	89.4	56.8
1-1/4"	35.2	33	47.2	66.5	28.1	103	113	96.6	70
1-1/2"	41.66	35.5	54.8	73.3	33.5	115.8	131	108.2	79.1
2"	54.38	44	68.5	89	43.5	146.7	161.9	124.4	90.2



ITEM NO: CPAS019

COMPRESSION COUPLING

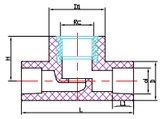
Nom Size	D	d2	L
1/2"	18	33	76.3
3/4"	24.2	40.3	86
1"	30.4	48.3	96.5



ITEM NO: CPAB09

CPVC STOP VALVE CPVC CTS

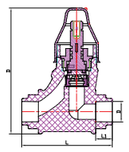
Nom Size	D	d	D1	RC	L	L1	H
1/2"	24.1	16.1	34.8	1/2"	70	13	28
3/4"	32.1	22.45	42	3/4"	83	18	33



ITEM NO: CPAB010

CPVC STAINLESS STEEL STOP VALVE

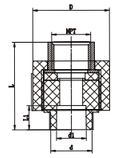
Nom Size	D	d	D1	RC	L	L1	H
1/2"	24.1	16.1	34.8	1/2"	70	13	28
3/4"	32.1	22.45	42	3/4"	83	18	33



ITEM NO: CPAS016

CHECK VALVE

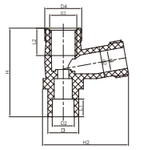
Nom Size	D	H	L	L1
1/2"	16.08	98.4	70.8	13



ITEM NO: CPAB021

CPVC STOP VALVE WITH ABS HANDLE CPVC CTS

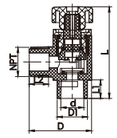
Nom Size	d	d1	L	H	H1	D	h
1/2"	28.5	16.1	15.2	63.5	87.91	38.56	24.41
3/4"	33.9	22.45	20.7	68.2	92.11	38.56	24.41



ITEM NO: CPAB022

CPVC TRIANGLE VALVE

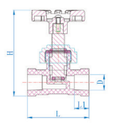
Nom Size	D1	D2	L1	D3	D4	L2	d1	d2	H	H2
1/2"	22.6	16.1	13	19.9	27	20	15.6	22.6	64.8	62.48
3/4"	28.6	22.45	18	19.9	27	20	15.6	22.6176.4		62.48



ITEM NO: CPAA01

CPVC ANGLE VALVE SOCKET

Nom Size	D	NPT	d	L	L1
1/2"	28	1/2"	13	63.5	18



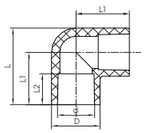
ITEM NO: CPAB023

CPVC ANGLE VALVE THREAD

Nom Size	D	L1	H	L
1/2"	16.1	15.2	89.3	63.5
3/4"	22.5	20.7	92.3	68.2

Pressure for Hot&Cold
Pressure for Hot&Cold

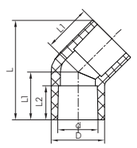
CPVC NBR FITTINGS (ABNT NBR 15884)



ITEM NO:CPB002

90°ELBOW

Nom Size	D	d	L	L1	L2
DN15	20.3	15	32.4	22.2	13
DN22	27.6	22	44.9	31.1	18.3
DN28	34.1	28	56.4	39.4	23.3



ITEM NO:CPB001

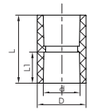
45°ELBOW

Nom Size	D	d	L	L1	L2
DN15	20.3	15	38.1	18.2	13
DN22	27.6	22	52.3	25	18.3
DN28	34.1	28	65.5	31.4	23.3

ITEM NO:CPB003

STRAIGHT TEE

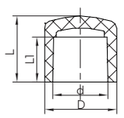
Nom Size	D	d	L	L1	H
DN15	20.3	15	44.4	13	32.4
DN22	27.6	22	62.2	18.3	44.9
DN28	34.1	28	78.6	23.3	56.4



ITEM NO:CPB006

SOCKET

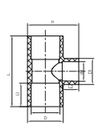
Nom Size	D	d	L	L1
DN15	20.3	15	28.5	13
DN22	27.6	22	39	18.3
DN28	34.1	28	49.1	23.3



ITEM NO:CPB004

END CAP

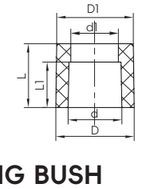
Nom Size	D	d	L	L1
DN15	20.3	15	18.9	13
DN22	27.6	22	25	18.3
DN28	34.1	28	30.8	23.3



ITEM NO:CPBS04

REDUCING TEE

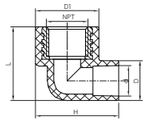
Nom Size	D	d	D1	d1	L	L1	L2	H
DN22X15	27.6	15	20.3	15.4	55	18.3	13	39.7
DN28X15	34.1	22	20.3	15.4	65	23.3	13	46.1
DN28X22	34.1	28	27.6	22.4	72.2	23.3	18.3	51.4



ITEM NO:CPB009

REDUCING BUSH

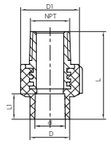
Nom Size	D	d	D1	d1	L	L1
DN22X15	22.4	15	21.9	13.5	18.3	13
DN28X15	28.4	22	28	21	23.3	13
DN28X22	28.4	28	28	20.8	23.3	18.3



ITEM NO:CPBB01

BRASS THREADED FEMALE ELBOW

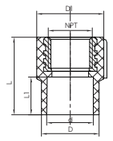
Nom Size	D	d	D1	BSPT	L	H
DN15X1/2"	20.3	15	32	1/2"	37.7	42
DN22X1/2"	27.6	22	32	1/2"	44.8	47.3
DN22X3/4"	27.6	28	39.5	3/4"	45.8	50.1



ITEM NO:CPBB03

BRASS THREADED MALE ADAPTOR

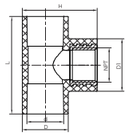
Nom Size	D	d	D1	NPT	L	L1
DN15X1/2"	20.3	15	30	1/2"	45	13
DN22X3/4"	27.6	22	36	3/4"	49.4	18.3
DN28X1"	34.1	28	44	1"	65.9	23.3



ITEM NO:CPBB04

BRASS THREADED FEMALE ADAPTOR

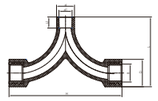
Nom Size	D	d	D1	NPT	L	L1
DN22X1/2	27.6	15	32	1/2"	37.3	18.3
DN22X3/4	27.6	22	39.5	3/4"	38.3	18.3
DN28X1	34.1	28	49	1"	51.3	23.3



ITEM NO:CPBB02

BRASS THREADED FEMALE TEE

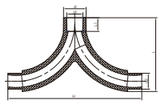
Nom Size	D	d	D1	NPT	L	H
DN22X1/2	27.6	15	32	1/2"	59.2	45.3
DN22X3/4	27.6	22	39.5	3/4"	62.4	46.3



ITEM NO:CPB016

TEE MIXER WITH BRASS (FFF)

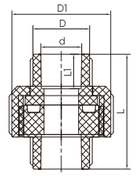
Nom Size	d	d1	D	L	L1	R	H
DN15X1/2"	15	15.4	32	81.5	12.9	1/2	132
DN22X3/4"	22	22.4	39.5	85.3	18.3	3/4	132



ITEM NO:CPB017

TEE MIXER WITHOUT BRASS (MFM)

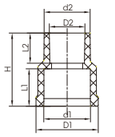
Nom Size	d	d1	d2	L	L1	H
DN15	15	15.4	15	69.7	12.9	126.6
DN22	22	22.4	22	77.6	18.3	130.3



ITEM NO:CPB007

UNION

Nom Size	d	D	D1	L1	L
DN15	15	21.2	37	12.9	43
DN22	22	27.6	43.7	18.3	47
DN28	28	34.7	52.9	23.1	55.5



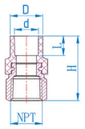
ITEM NO:CPBS05

CPVC TO PVC TRANSITION COUPLING

Nom Size	D1	d1	L1	D2	d2	L2	H
DN15X20	26.8	20.1	16.1	15.3	19.8	13	31.5
DN25X22	32.4	25.1	18.1	27.2	22.34	18.1	38.8

Pressure for Hot&Cold

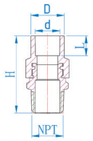
CPVC STAINLESS STEEL TRANSITION FITTINGS



ITEM NO: CPAT01

CPVC STAINLESS STEEL THREADED FEMALE ADAPTOR

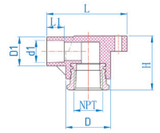
Nom Size	D	d	L	H	NPT
1/2"	21.7	16.08	13	43	1/2"
3/4"	28.5	22.45	18.1	49	3/4"
1"	35	28.83	23.2	58.3	1"
1-1/4"	44	35.2	28.3	75.6	1-1/4"
1-1/2"	51.5	41.66	33.2	81.7	1-1/2"
2"	64.6	54.4	43.5	95.5	2"



ITEM NO: CPAT02

CPVC STAINLESS STEEL THREADED MALE ADAPTOR

Nom Size	D	d	L	H	NPT
1/2"	21.7	16.08	13	50.45	1/2"
3/4"	28.5	22.45	18.1	55	3/4"
1"	35	28.83	23.2	67.3	1"
1-1/4"	44	35.2	28.3	80.6	1-1/4"
1-1/2"	51.5	41.66	33.2	85.5	1-1/2"
2"	64.6	54.4	43.5	102.5	2"



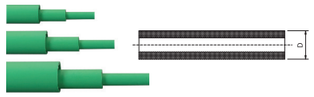
ITEM NO: CPAT03

CPVC STAINLESS STEEL FEMALE ELBOW WITH BRACKET

Nom Size	D	D1	d1	L1	L	H	NPT
1/2"	33	21.2	16.1	13	59.1	39.8	1/2"

Pressure for Hot&Cold

Pressure for Hot&Cold



ITEM NO:PR001

PIPES (PN12.5) LENGTH:4M (PR001 PIPES)

Nom Size	Outer Dia	Wall Thickness
20	20	2.0
25	25	2.3
32	32	2.9
40	40	3.7
50	50	4.6
63	63	5.8
75	75	6.8
90	90	8.2
110	110	10.0

PIPES (PN20) LENGTH:4M

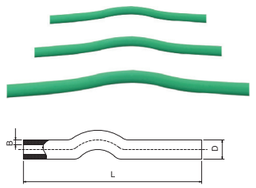
Nom Size	Outer Dia	Wall Thickness
20	20	2.8
25	25	3.5
32	32	4.4
40	40	5.5
50	50	6.9
63	63	8.6
75	75	10.3
90	90	12.3
110	110	15.1
160	160	21.9

PIPES (PN16) LENGTH:4M

Nom Size	Outer Dia	Wall Thickness
20	20	2.3
25	25	2.8
32	32	3.6
40	40	4.5
50	50	5.6
63	63	7.1
160	160	17.9

PIPES (PN25) LENGTH:4M

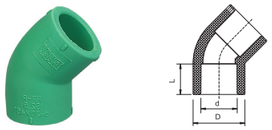
Nom Size	Outer Dia	Wall Thickness
20	20	3.4
25	25	4.2
32	32	5.4
40	40	6.7
50	50	8.3
63	63	10.5
160	160	26.6



ITEM NO:PR002

STEP OVER BEND

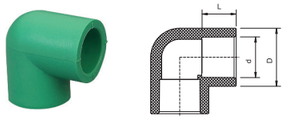
Nom Size	Pressure	D	B	L
20	1.25	20	2.0	400
20	1.6	20	2.3	400
20	2.0	20	2.8	400
20	2.5	20	3.4	400
25	1.25	25	2.3	400
25	1.6	25	2.8	400
25	2.0	25	3.5	400
25	2.5	25	4.2	400
32	1.25	32	2.9	400
32	1.6	32	3.6	400
32	2.0	32	4.4	400
32	2.5	32	5.4	400



ITEM NO:PRE01

45° ELBOW

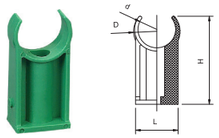
Nom Size	D	d	L
16	21.8	15	14.5
20	27.4	19	15.8
25	34.8	24	18.1
32	42.4	31	20.1
40	52.1	38.8	22.1
50	65.7	48.9	25.1
63	83.1	61.7	28.0
75	99.0	73.4	30.4
90	119.6	88.8	35.1
110	146.7	108.3	42
160	211	157	56.5



ITEM NO:PRE02

90°ELBOW

Nom Size	D	d	L
16	21.8	15	14.5
20	27.4	19	16.1
25	34.4	24	18.1
32	42.1	31	20.1
40	52.6	38.8	21.7
50	66.1	48.9	25.1
63	83.1	61.7	28.4
75	99.2	73.4	32
90	119.0	88.8	36
110	146.7	108.3	42
160	211	157	56.5

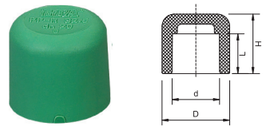


ITEM NO: PR010

U-PIPE TRACKET

Nom Size	D	d	L	H
20	24	19.5	22	46.8
25	32.8	24.5	29.8	52.4
32	40.5	31.5	37	57
40	50	39.5	40.3	64
50	61.2	49.5	44	69.8
63	77	62.5	60	80

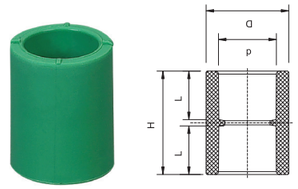
Pressure for Hot&Cold



ITEM NO:PR006

END CAP

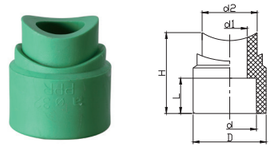
Nom Size	D	d	L	H
16	21.8	15	14.5	19.5
20	27.4	19	16.1	24.3
25	34.8	24	18.1	24.7
32	42.6	30.9	20.1	30.2
40	52.5	38.8	22.1	31.2
50	66.1	48.9	25.1	35.3
63	82.7	61.7	28.7	41.4
75	99.2	73.4	34.2	53.2
90	119.2	88.8	38	64.2
110	145.8	108.3	46.7	69.8
160	211	157	56.5	105.3



ITEM NO:PR003

SOCKET

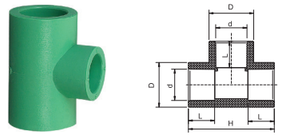
Nom Size	D	d	L	H
16	21.8	15	14.5	19.5
20	27.4	19	15.7	34.3
25	34.8	24	17.5	38
32	42.4	30.9	19.2	41.8
40	52.5	38.8	22.1	47.3
50	66.3	48.9	25.1	53.8
63	83.3	61.7	29.1	61.3
75	99.2	73.4	32	68.4
90	119.0	88.8	36	77.0
110	147.0	108.3	42	89.8
160	211	157	56.5	126



ITEM NO:PRS001

WELD IN SADDLE

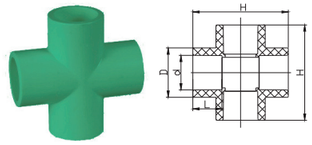
Nom Size	D	d	L	d1	d2	H
32	42.5	32	20.5	20.4	32	47



ITEM NO:PRT01

STRAIGHT TEE

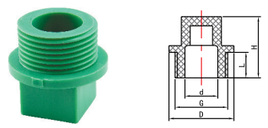
Nom Size	D	d	L	H
16	21.8	15	14.5	46
20	27.9	19	16.1	53.0
25	34.8	24	18.1	63
32	42.4	30.9	20.1	74
40	52.6	38.8	22.1	85.3
50	66.1	48.9	25.1	100.7
63	83.1	61.7	29.1	121.7
75	99.2	73.4	32	141.7
90	120.0	88.8	36	168.3
110	146.0	108.3	42	197.4
160	211	157	56.5	299



ITEM NO:PRC001

CROSS

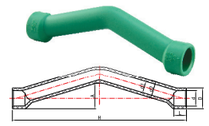
Nom Size	D	d	L	H
20	27.4	20	16	53
25	34.8	25	18	63
32	42.4	32	20	74



ITEM NO: PR026

THREAD PLUG

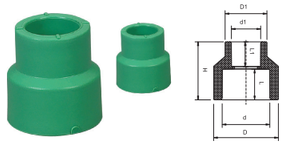
Nom Size	D	d	L1	H	G
1/2"	27.3	11.8	12.3	27.9	1/2"
3/4"	32.6	16.5	12.8	30.7	3/4"
1"	39.4	24.5	13.7	26.2	1"



ITEM NO: PR025

BRIDGE II

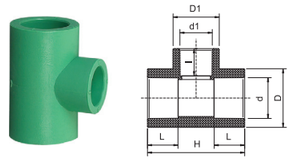
Nom Size	D	d	d1	d2	L	H	A
20	27.4	19	14.6	22.8	16.1	190	27.8
25	33.4	24.2	16.6	25.3	16.9	200.2	30.46



ITEM NO:PR004

REDUCING SOCKET

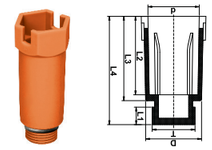
Nom Size	D	d	L	D1	d1	L1	H
20X16	27.8	19.25	16.1	21.8	15.25	15	32.7
25X16	34.8	24.1	18.1	21.8	15.25	15	35
25X20	34.8	24	18.1	27.4	19	16.1	34.4
32x16	42.4	31	20.1	21.8	15.25	15	36.9
32X20	42.4	30.9	20.1	27.4	19	16.1	38
32X25	42.4	30.9	20.1	34.8	24	17.4	39.6
40X20	52.6	38.8	22.1	27.4	19	16.1	50
40X25	52.6	38.8	22.1	34.8	24	18.1	49.6
40X32	52.6	38.8	22.1	42.4	30.9	20.1	44.3
50X20	66.0	48.9	25.1	27.4	19	16.1	55.9
50X25	66.0	48.9	25.1	34.8	24	18.1	57
50X32	66.0	48.9	25.1	42.4	30.9	20.1	56
50X40	66.1	48.9	25.1	52.6	38.8	22.1	50.2
63X25	82.7	61.7	29.1	34.8	24	18.1	62.7
63X32	82.7	61.7	29.1	42.4	30.9	20.1	63.4
63X40	83.1	61.7	29.1	53.0	38.8	22.1	63.3
63X50	83.1	61.7	29.1	66.7	48.9	25.1	56.7
75X40	99.2	73.4	32	53.2	38.8	22.1	69.0
75X50	99.2	73.4	32	66.6	48.9	25.1	69
75X63	99.2	73.4	32	83.1	61.7	29.1	66.5
90X50	119.0	88.8	36	66.8	48.9	25.1	78.5
90X63	119.6	88.8	39	83.1	61.7	29.1	82.7
90X75	119.6	88.8	39	99.2	73.4	32	74.8
110X50	145.5	108.3	42	84.4	61.7	30	91
110X63	145.5	108.3	42	100.0	73.4	32	91.4
110X75	146.0	108.3	42	121.0	88.8	37	82.0
110X90	211	157	56.5	145.5	108.5	42	125
160X110	145.5	107.9	43.38	66.1	49	25.54	93



ITEM NO:PRT02

REDUCING TEE

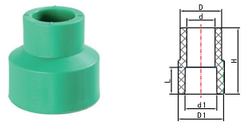
Nom Size	D	D1	d	d1	L	I	H
25X20	34.8	27.4	24	19	18.1	16.1	57.7
32X20	42.4	27.4	30.9	19	20.1	16.1	62.2
32X25	42.4	34.8	30.9	24	20.1	17.5	67.3
40X20	52.6	28.0	38.8	19	22.1	16.1	65.8
40X25	52.6	35.3	38.8	24	22.1	18.1	70.8
40X32	52.6	42.4	38.8	30.9	22.1	21.2	81
50X20	66.1	28.2	48.9	19	25.1	16.0	75.2
50X25	66.1	35.4	48.9	24	25.1	18.1	77
50X32	66.1	42.8	48.9	30.9	25.1	20.1	83.4
50X40	66.1	53.0	48.9	38.8	25.1	22.1	94.7
63X20	83.1	28.0	61.7	19	29.1	18.1	83.4
63X25	83.1	35.4	61.7	24	29.1	18.1	84.4
63X32	83.1	42.4	61.7	30.9	29.1	20.1	91.23
63X40	83.1	52.6	61.7	38.8	29.1	22.1	103
63X50	83.1	66.1	61.7	52.6	29.1	25.1	112.6
75X32	99.2	42.4	73.4	30.9	32	20.9	97.8
75X40	100.3	53.2	73.4	38.8	32	22.1	106.7
75X50	99.2	66.1	73.4	52.6	32	25.1	119.9
75X63	99.2	83.1	73.4	61.7	31.1	29.1	130
90X40	119.6	53.4	88.8	38.8	36	22.1	114.2
90X50	120.6	66.6	88.8	52.6	36	25.1	126.5
90X63	120.6	84.2	88.8	61.7	36	29.1	124.2
90X75	120.6	99.2	88.8	73.4	36	32	15.9
110X50	147.5	67.6	107.5	52.6	42	26.1	138.2
110X63	147.5	84.1	107.5	61.7	42	30.0	151.0
110X75	147.8	99.9	107.5	73.4	42	32	162.4
110X90	146.2	119.6	107.5	88.8	42	36	178



ITEM NO: PR021

TESTING CAP (ABS MATERIAL)

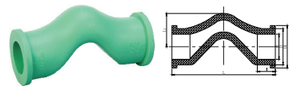
Nom Size	D	d	T	L1	L2	L3	L4
1/2"	31.2	28	Tr21X2	11.5	49.1	52.7	68.2
3/4"	35.2	32.3	Tr27X2	11	49.4	53.1	68.2



ITEM NO: PR033

SOCKET M/F

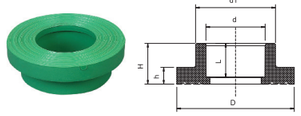
Nom Size	D1	d1	D	d	L1	H
25X20	27.4	19	25	17	16.1	40
20X16	21.8	15	27.4	19	14.5	34.4
25X16	21.8	15	34.8	24	14.5	37.3
32X16	21.8	15	42.4	30.9	14.5	41



ITEM NO: PR024

PPR BRIDGE

Nom Size	D1	D	d	I	L1	L
20	32.3	28	19	15.3	27.4	82.3
25	40.7	34.8	24	17.3	32	99.2
32	49.2	43.5	30.9	19.9	40.2	118.4



ITEM NO: PR005

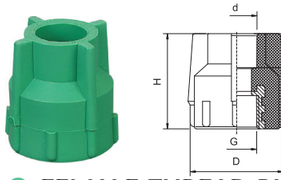
SHORT PIPE FOR FLANGE

Nom Size	D	d	d1	L	H	h
40	77.3	38.8	52.6	22.2	26.8	11.4
50	86.6	48.9	66.7	24.3	30	13
63	99.8	61.7	83.1	28.7	33.7	14.3
75	121.6	73.4	99.9	31.5	36.7	16.8
90	140.5	88.8	120.8	36	41.6	18.3
110	166.6	107.5	146.4	42	48.2	20.1
160	211	157	189.5	56.5	63	21.4

ITEM NO:PRT03

FEMALE THREAD TEE

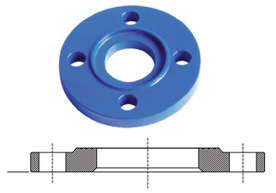
Nom Size	D	d	L	G	H	D1
20X1/2"	27.4	19	16.1	1/2"	56.0	43.6
20X3/4"	27.8	19	16.1	3/4"	62	47
25X1/2"	34.8	24	18.1	1/2"	64.2	44
25X3/4"	34.8	24	18.1	3/4"	64.2	49
32X1"	42.8	30.4	21.4	1"	81.2	64.5
32X1/2"	42.8	30.4	20.2	1/2"	70	46.4
32X3/4"	42.4	30.4	20.2	3/4"	76.0	49
40x1-1/4"	52.6	39	22.36	1-1/4"	96	76.8
50x1-1/2"	66.1	49	25.36	1-1/2"	110	86
63x2"	83.1	61.9	29.36	2"	122	95



ITEM NO: PR007

FEMALE THREAD BUSH

Nom Size	D	d	G	L	H
20X1/2"	43.6	19	1/2"	16.1	45.9
25X1/2"	43.6	24	1/2"	19.2	45.4
25X3/4"	49.5	24	3/4"	17.8	45.6
32X1"	64.4	30.9	1"	20.1	58.3
40X1-1/4"	76.8	38.8	1-1/4"	22.1	71.5
50X1-1/2"	86	48.9	1-1/2"	25.1	71.5
63X2"	95	61.7	2"	29.1	94.5
20X3/4"	49	19	3/4"	16.1	46.3
32X1/2"	46.8	30.5	1/2"	21.0	46.7
32X3/4"	48.8	30.5	3/4"	20.7	47.4
75X2-1/2 "	116.7	73.64	2-1/2 "	32	92
90X3 "	135.4	89	3 "	36	105
110X4 "	166	108.56	4 "	42	119.8

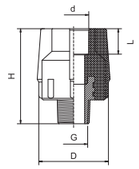


ITEM NO: PR012

STEEL FLANGE SOCKET

Nomial diameter D mm				
40	50	63	75	90
110	160			

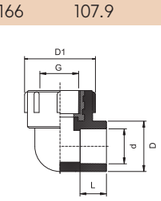
Pressure for Hot&Cold



ITEM NO: PR008

MALE THREAD BUSH

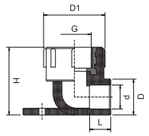
Nom Size	D	d	G	L	H
20X1/2"	44	19	1/2"	16.1	61.7
25X1/2"	44	24	1/2"	18.1	62.0
25X3/4"	49	24	3/4"	18.1	61.5
32X1"	64.4	30.9	1"	20.1	78.3
40X1-1/4"	76.8	38.8	1-1/4"	22.1	93.5
50X1-1/2"	86	48.9	1-1/2"	25.1	94.4
63X2"	95	61.7	2"	29.1	112
20X3/4"	48.7	19	3/4"	16.1	62
32X1/2"	46.4	30.5	1/2"	20.1	64.0
32X3/4"	49.1	30.5	3/4"	20.1	62
75X2-1/2 "	116.7	73.6	2-1/2 "	32.35	119
90X3 "	135.4	88.3	3 "	36.35	135
110X4 "	166	107.9	4 "	42.35	155.8



ITEM NO: PRE03

FEMALE THREAD ELBOW

Nom Size	D	d	G	L	D1
20X1/2"	27.4	19	1/2"	16.1	43.2
20X3/4"	28	18.6	3/4"	16.1	47
25X1/2"	34.8	24	1/2"	18.1	44
25X3/4"	34.8	24	3/4"	18.1	49
32X1/2"	42.6	30.6	1/2"	20.1	49.7
32X3/4"	42.6	30.6	3/4"	20.1	48.3
32X1"	42.6	30.9	1"	20.6	65.0



ITEM NO: PRE04

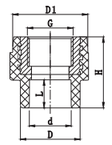
FEMALE THREAD ELBOW WALL PLATE

Nom Size	D	d	G	L	H	D1
20X1/2"	27.4	19	1/2"	16.1	49.3	43
25X1/2"	34.8	24	1/2"	18.1	55.3	43
25X3/4"	34.8	24	3/4"	18.1	54.1	49

ITEM NO: PRV001

PPR POUBLE FEMALE THREAD ELBOW WITH PLATE

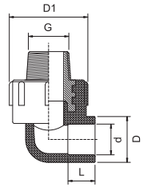
Nom Size	D	d	D1	G	H1	H2	H	L1	L2
20X1/2"	29.8	19	39	1/2"	10.5	18	52.5	150	224.7
25X1/2"	36	24	39	1/2"	11.6	21	58	150	231.2



ITEM NO: PR028

II FEMALE THREAD BUSH

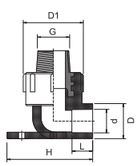
Nom Size	D	d	G	L	H	D1
20X1/2"	27.6	19.0	1/2"	15.0	40	41.1
25X1/2"	34.2	24.0	1/2"	15.5	41	35.3
25X3/4"	34.5	24.0	3/4"	16.1	41	43.4
32X1"	43.2	30.9	1"	18.5	46.5	50.2
50X1-1/2"	64.4	48.9	1-1/2"	23.6	56.6	69.2



ITEM NO: PRE05

MALE THREAD ELBOW

Nom Size	D	d	G	L	D1
20X1/2"	28.1	19	1/2"	16.1	43.5
20X3/4"	27.4	18.2	3/4"	16.2	47
25X1/2"	34.8	24	1/2"	18.1	44
25X3/4"	34.8	24	3/4"	18.1	49
32X1/2"	43.0	30.4	1/2"	20.2	48.6
32X3/4"	43.0	30.4	3/4"	20.2	49
32X1"	42.4	30.4	1"	20.8	65.1

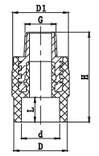


ITEM NO: PRE06

MALE THREAD ELBOW WALL PLATE

Nom Size	D	d	G	L	H	D1
20X1/2"	27.9	19	1/2"	16.1	64.2	43.5
25X1/2"	34.8	24	1/2"	18.1	68.4	43.5
25X3/4"	35.2	24	3/4"	18.1	72.8	49

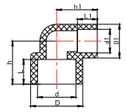
Pressure for Hot&Cold



ITEM NO: PR027

II MALE THREAD BUSH

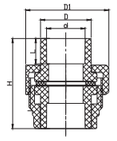
Nom Size	D	d	G	L	H	D1
20X1/2"	27.6	19.0	1/2"	16.1	63	41
25X1/2"	33.8	24.0	1/2"	18.5	64.5	35.2
25X3/4"	33.8	24.0	3/4"	15.5	57.6	43
32X1"	43.2	30.9	1"	18.5	64.5	50.2
50X1-1/2"	64.4	48.9	1-1/2"	23.6	76.6	69.2



ITEM NO: PRR001

REDUCING ELBOW

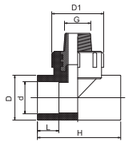
Nom Size	D	d	D1	d1	L	L1	h	h1
25X20	34.8	24	27.4	19	18.1	16.1	32.8	26.7
32X20	42.4	30.9	27.4	19	20.1	16.1	35	33
32X25	42.4	30.9	34.8	24	20.1	18.1	37	35
40X32	52.6	39	42.4	31.2	22.1	20.1	40.5	41.5



ITEM NO:PRU001

UNION TWO SIDE WELD

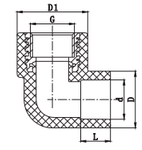
Nom Size	D1	D	d	L	H
32X1"	65	41	32	21	73



ITEM NO: PRT04

MALE THREAD TEE

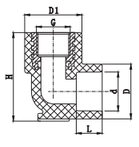
Nom Size	D	d	L	G	H	D1
20X1/2"	27.9	19	16.1	1/2"	56.4	43.5
25X3/4"	27.4	19	16.1	3/4"	62	47
25X1/2"	35.2	24	18.1	1/2"	64.2	44
25X3/4"	35.2	24	18.1	3/4"	64.2	49
32X1/2"	42.6	30.2	20.2	1/2"	70	46.4
32X3/4"	42.6	30.2	20.2	3/4"	76.5	49
32X1"	42.6	30.9	21.2	1"	81.2	65.1



ITEM NO: PR031

II FEMALE THREAD ELBOW

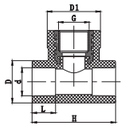
Nom Size	D	d	G	L	D1
25X3/4"	34.8	24.0	3/4"	18.1	43.4
32X1"	42.6	30.9	1"	18.5	51



ITEM NO: PR032

II FEMALE THREAD ELBOW WITH PLATE

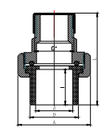
Nom Size	D	d	G	L	H	D1
20X1/2"	29	19.0	1/2"	14	50.8	35.6
25X1/2"	34	24.0	1/2"	16.1	55	35.6



ITEM NO: PR029

II FEMALE THREAD TEE

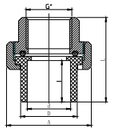
Nom Size	D	d	G	L	H	D1
20X1/2"	29	19.0	1/2"	16.1	57.3	38.4
25X1/2"	32.8	24.0	1/2"	15.5	64.2	36.2



ITEM NO: PR023

MALE THREAD UNION

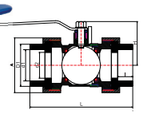
Nom Size	A	D	d	l	L	G
20X1/2"	39.3	26.4	19	16	53.6	1/2"
25X3/4"	50.2	34.5	24	17.7	59.7	3/4"
32X1"	59.9	42.5	30.9	19.3	67	1"
40X1-1/4"	74.2	52.1	38.8	21	73	1-1/4"
50X1-1/2"	91.2	65.4	48.9	24	80.5	1-1/2"
63X2"	104	79	61.7	27	89.2	2"



ITEM NO: PR022

FEMALE BRASS UNION

Nom Size	A	D	d	I	L	G
20X1/2"	43.7	27.8	19	16	42.6	1/2"
25X3/4"	50.2	34.5	24	17.7	46	3/4"
32X1"	59.9	42.5	30.9	19.3	49	1"
40X1-1/4"	74.2	52.1	38.8	21	53.5	1 1/4"
50X1-1/2"	91.2	65.4	48.9	24	57	1 1/2"
63X2"	104	79	61.7	27	63	2"



ITEM NO: PR020

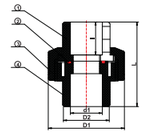
TRUE UNION BALL COCK

Nom Size	D1	d1	d2	I	L	H	A
20	27.4	19	15	19.0	92.8	37.5	40.5
25	34.8	24	20	19	101.2	45.2	48.4
32	42.4	30.9	26.9	21	114.5	51.7	57.3
40	52.6	38.8	32	22.7	144.1	62	75.1
50	66.1	48.9	42	25.7	175.8	69.8	92.7
63	83	61.7	51	29.7	202.8	86.25	108

ITEM NO: PR014

COMPACT BALL VALVE

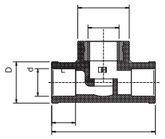
Nomial diameter D mm					
20	25	32	40	50	63



ITEM NO: PR019

UNION

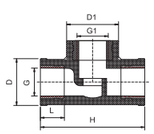
Nom Size	D1	D2	d1	I	L
20	47.7	28.3	19/20.8/21.2	22.5	58.7
25	57.3	34.8	24/25.2/25.8	24.0	64.2
32	68.2	42.4	30.9/32.6/33	27.4	71.2
40	82.2	52	38.8/40.9	31.0	86.4
50	98.3	61.5	46.9/48.9	34	90.5
63	120	75.8	58.5/61.7	38.6	107.0



ITEM NO: PR011

STOP VALVE

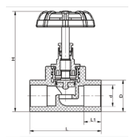
Nom Size	D	d	G	L	H	D1
20	29.0	19	1/2"	16.1	70.7	34.8
25	36.8	24	3/4"	18.1	83	44.7
32	43.4	30.9	3/4"	20.1	86.5	45.2
40	55.6	38.6	1"	22.5	97.4	55.5
50	70.1	48.9	1-1/4"	25.5	121.6	66.3
63	87.1	61.7	1-1/2"	28.7	133.1	74.8
75	103.2	73.4	2-1/4"	32	167.6	98
90	123.6	88.8	2-3/4"	36	201.9	118
110	149.5	107.5	3-1/2"	42	245.6	147



ITEM NO: PR011

STOP VALVE(W/SCREW END)

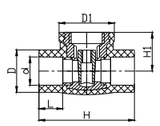
Nom Size	D	G	G1	L	H	D1
20	34.7	1/2"	1/2"	16.1	70.4	35.3
25	40.2	3/4"	3/4"	18.1	83.7	44.6
32	47.4	1"	1"	20.1	87.2	45.9



ITEM NO: PRX03

STOP VALVE WITH IRON HANDLE

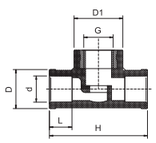
Nom Size	L	H	D	d	L1
20	66	88	28	19.1	16.1
25	78	101	34	24.1	18.1
32	87	108	44	31	20.1



ITEM NO: PRG001

GATE VALVE

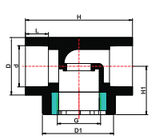
Nom Size	d	D	D1	L	H	H1
20	19.2	28.8	37.5	16.1	64.8	26.3
25	24.2	34	45	18.1	23	32.5
32	31.2	42.4	50	20.1	78	36.4
40	39	52.6	60	22.1	89	45.1
50	49.1	66.1	72	25.1	105	49.9
63	61.9	83.1	85	29.1	129	60



ITEM NO: PR017

I STOP VALVE WITH CROM HANDLE

Nom Size	D	d	G	L	H	D1
20	29.0	19	1/2"	16.1	70.7	34.8
25	36.8	24	3/4"	18.1	83	44.7
32	43.4	30.9	3/4"	20.1	86.5	45.2



ITEM NO: PR018

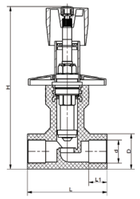
II STOP VALVE WITH CROME HANDLE

Nom Size	D	d	G	L	H	D1	H1
20X3/4"	28	19	3/4"	16	73.6	44.8	29.4
25X1"	33.2	24	1"	16.5	80.5	56	35.9
32X1"	43.2	30.9	1"	17.3	80.5	53.5	36.4

ITEM NO: PR038

STOP VALVE WITH LONG HANDLE

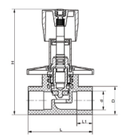
Nom Size	D	G	G1	L	H	D1
20	29.3	19.2	G1/2"	16.28	70	38
25	35	24.2	G3/4"	18.28	83	44



ITEM NO: PRX01

STOP VALVE WITH LONG CHROME HANDLE

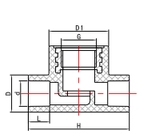
Nom Size	L	H	D	d	L1
20	136	70	29.5	19.1	16.1
25	139	82	35	24.1	18.1



ITEM NO: PRX02

STOP VALVE WITH CHROME HANDLE

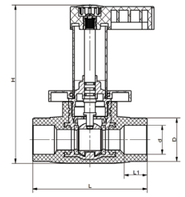
Nom Size	L	H	D	d	L1
20	66	105	28	19.1	16.1
25	78	113	34	24.1	18.1
32	87	120	44	31	20.1



ITEM NO: PRD001

III STOP VALVE

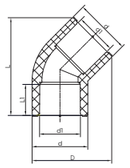
Nom Size	D	d	L	H	D1	G
20	28	19	16.1	76.2	45	3/4"
25	35.5	24	18.1	81	46	3/4"



ITEM NO: PR1611

PP-R CONCEALED VALVE WITH CHROME TAP

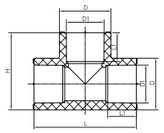
Nom Size	L	H	D	d	L1
25	100	132	35.3	24.1	20
32	110	137	44.5	31	22



ITEM NO: PRIIE01

45°ELBOW

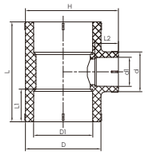
Nom Size	D	d	d1	L	L1
20	37.4	26.2	19.2	46	14.6
25	44.7	32.8	24.2	52.2	16.1
32	54.2	40.1	31.2	62	18.1
40	65.2	49.8	39	73	20
50	79.8	62.7	49.1	86.1	23
63	98	78.9	61.9	102.6	27



ITEM NO: PRIIT01

STRAIGHT TEE

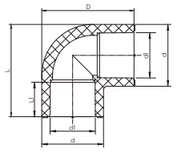
Nom Size	D	D1	L	L1	H
20	26.2	19.2	52	14.6	39.1
25	32.8	24.2	60.6	16.1	46.7
32	40.4	31.2	71.6	18.1	56
40	49.8	39	85.3	20	67.5
50	62.7	49.1	101.2	23	81.8
63	78.9	61.9	122	27	100.3



ITEM NO: PRIIT02

REDUCING TEE

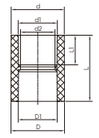
Nom Size	d	d1	D	D1	L	L1	L2	H
25x20	26.2	19.25	32.8	24.1	56.6	17.1	15.6	45.7
32x20	26.2	19.25	40.4	31	61.6	19.1	15.6	53.3
32x25	32.8	24.1	40.4	31	65.6	19.1	17.1	54.3
40X20	26.2	19.2	49.8	39	65.8	21.5	15.6	61.3
40X25	32.8	24.2	49.8	39	70.8	21.5	17.1	62.8
40X32	40.4	31.2	49.8	39	77.7	21.5	19.1	64.8
50X20	26.2	19.2	62.7	49.1	73	24.5	15.6	73.4
50X25	32.8	24.2	62.7	49.1	77	24.5	17.1	75.7
50X32	40.4	31.2	62.7	49.1	83.4	24.5	19.1	77
50X40	49.8	39	62.7	49.1	94.7	24.5	21.5	80.2
63X20	26.2	19.2	78.9	61.9	83.4	28.5	15.6	89.9
63X25	32.8	24.2	78.9	61.9	84.4	28.5	17.1	90.5
63X32	40.4	31.2	78.9	61.9	91.3	28.5	19.1	91.9
63X40	49.8	39	78.9	61.9	103	28.5	21.5	96.9
63X50	62.7	49.1	78.9	61.9	112.6	28.5	24.5	97.7



ITEM NO: PRIIE02

90°ELBOW

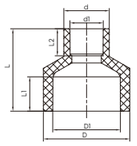
Nom Size	D	d	d1	L	L1
20	39.1	26.2	19.2	39.1	14.6
25	46.7	32.8	24.2	46.7	16.1
32	56	40.4	31.2	56	18.1
40	67.5	49.8	39	67.5	20
50	81.5	62.7	49.1	81.5	23
63	100.4	78.9	61.9	100.4	27



ITEM NO: PRII003

SOCKET

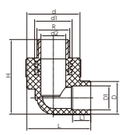
Nom Size	d	d1	d2	D	D1	L	L1
20	26.2	19.2	17	26.4	19.2	32.6	14.6
25	32.8	24.2	22	33	24.2	36	16.1
32	40.4	31.2	28.9	40.6	31.2	39.6	18.1
40	49.8	39	38.8	49.8	39	47.3	20
50	62.7	49.1	45.9	62.7	49.1	53.3	23
63	78.9	61.9	58.7	78.9	61.9	61.3	27



ITEM NO: PRII004

REDUCING SOCKET

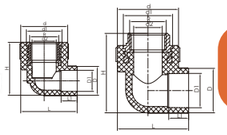
Nom Size	d	d1	D	D1	L	L1	L2
25X20	26.2	19.25	32.8	24.1	34.7	16.14	15.6
32X20	26.2	19.25	40.4	31	36.7	18.15	15.6
32X25	32.8	24.11	40.4	31	38.2	18.15	17.1
40X20	26.2	19.2	49.8	39	47.5	19.8	15.6
40X25	32.8	24.2	49.8	39	46.6	19.8	17
40X32	40.4	31.2	49.8	39	45	19.8	19.1
50X20	26.2	19.2	62.7	49.1	54.4	22.8	15.6
50X25	32.8	24.2	62.7	49.1	53.5	22.8	17.1
50X32	40.4	31.2	62.7	49.1	53.5	22.8	19.1
50X40	49.8	39	62.7	49.1	50.2	22.4	21.5
63X25	32.8	24.2	78.9	61.9	62.3	26.8	17.1
63X32	40.4	31.2	78.9	61.9	61.4	26.8	19.1
63X40	49.8	39	78.9	61.9	62	26.8	21.5
63X50	62.7	49.1	78.9	61.9	57	26.2	24.5



ITEM NO: PRIIE05

MALE THREAD ELBOW

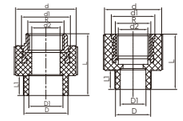
Nom Size	d	d1	d2	D	D1	L	L1	R	H
20X1/2"	36.7	25.5	15	26.2	19.2	46.4	14.6	1/2	59.1
20X3/4"	42.6	30	20	26.2	19.2	51.3	14.6	3/4	59.9
25X1/2"	36.7	25.5	15	32.8	24.2	47.4	16.1	1/2	66.4
25X3/4"	42.6	30	20	32.8	24.2	53.3	16.1	3/4	67.2
32X1/2"	36.7	25.5	15	40.4	31.2	52.8	18.1	1/2	75.2
32X3/4"	42.6	30	20	40.4	31.2	55.3	18.1	3/4	76
32X1"	55.6	44.8	26	40.4	31.2	64.8	18.1	1	87.6



ITEM NO: PRIIE03

FEMALE THREAD ELBOW

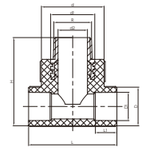
Nom Size	d	d1	d2	D	D1	L	L1	R	H
20X1/2"	36.7	27.1	15	26.2	19.2	46.4	14.6	1/2	45.1
20X3/4"	42.6	32.4	22	26.2	19.2	51.3	14.6	3/4	48.1
25X1/2"	36.7	27.1	15	32.8	24.2	47.4	16.1	1/2	52.4
25X3/4"	42.6	32.4	22	32.8	24.2	53.3	16.1	3/4	52.4
32X1/2"	36.7	27.1	15	40.4	31.2	54.8	18.1	1/2	61.2
32X3/4"	42.6	32.4	22	40.4	31.2	55.3	18.1	3/4	61.2
32X1"	55.6	44.8	26	40.4	31.2	64.8	18.1	1	72.2
40X1-1/4"	70.4	54.6	36	49.8	39	83.2	20.2	1-1/4	87.9
50X1-1/2"	79	63	42	62.7	49.1	94.5	23.9	1-1/2	103.9
63X2"	88.1	74.5	52	79.7	61.9	105.1	27.9	2	124.2



ITEM NO: PRII007

FEMALE THREAD BUSH

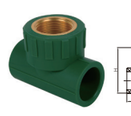
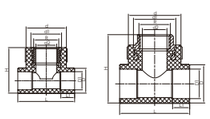
Nom Size	d	d1	d2	D	D1	L	L1	R
20X1/2"	36.7	27.1	15	26.2	19.2	38.4	14.6	1/2
20X3/4"	42.6	32.4	22	26.2	19.2	41.2	14.6	3/4
25X1/2"	36.7	27.1	15	32.8	24.2	42.1	16.1	1/2
25X3/4"	42.6	32.4	22	32.8	24.2	41.9	16.1	3/4
32X1/2"	36.7	27.1	15	40.4	31.2	44.5	18.1	1/2
32X3/4"	42.6	32.4	22	40.4	31.2	45.9	18.1	3/4
32X1"	55.6	44.8	26	40.4	31.2	56.6	18.1	1
40X1-1/4"	70.4	54.6	36	52.8	39	66.2	20.6	1-1/4
50X1-1/2"	81.6	63	42	66	49.1	72.1	23.6	1-1/2
63X2"	96	74	52	81.8	61.9	82.4	27.1	2



ITEM NO: PRIIT04

MALE THREAD TEE

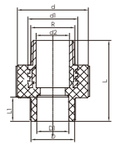
Nom Size	d	d1	d2	D	D1	L	L1	R	H
20X1/2"	36.7	25.5	15	26.2	19.2	56	14.6	1/2	59.1
20X3/4"	42.6	30	20	26.2	19.2	60	14.6	3/4	59.9
25X1/2"	36.7	25.5	15	32.8	24.2	58	16.1	1/2	66.4
25X3/4"	42.6	30	20	32.8	24.2	64	16.1	3/4	67.2
32X1/2"	36.7	25.5	15	40.4	31.2	64	18.1	1/2	75.2
32X3/4"	42.6	30	20	40.4	31.2	68	18.1	3/4	76
32X1"	55.6	44.8	26	40.4	31.2	74	18.1	1	87.6

ITEM NO: PRIIT03

FEMALE THREAD TEE

Nom Size	d	d1	d2	D	D1	L	L1	R	H
20X1/2"	36.7	27.1	15	26.2	19.2	56	14.6	1/2	45.1
20X3/4"	42.6	32.4	22	26.2	19.2	60	14.6	3/4	48.1
25X1/2"	36.7	27.1	15	32.8	24.2	58	16.1	1/2	52.4
25X3/4"	42.6	32.4	22	32.8	24.2	64	16.1	3/4	52.4
32X1/2"	36.7	27.1	15	40.4	31.2	64	18.1	1/2	61.2
32X3/4"	42.6	32.4	22	40.4	31.2	68	18.1	3/4	61.2
32X1"	55.6	44.8	26	40.4	31.2	74	18.1	1	72.2
40X1-1/4"	70.4	49.6	36	49.8	39	96	20.2	1-1/4	87.9
50X1-1/2"	79	63	42	62.7	49.1	110	23.9	1-1/2	103.9
63X2"	88.1	74	52	79.7	61.9	122	27.9	2	124.2



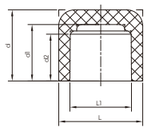
ITEM NO: PRII008

MALE THREAD BUSH

Nom Size	d	d1	d2	D	D1	L	L1	R
20X1/2"	36.7	25.5	15	26.2	19.2	52.4	14.6	1/2
20X3/4"	42.6	30	20	26.2	19.2	48.6	14.6	3/4
25X1/2"	36.7	25.5	15	32.8	24.2	50.2	16.1	1/2
25X3/4"	42.6	30	20	32.8	24.2	56.7	16.1	1/2
32X1/2"	36.7	25.5	15	40.4	31.2	52.6	18.1	1/2
32X3/4"	42.6	30	20	40.4	31.2	53.3	18.1	3/4
32X1"	55.6	44.8	26	40.4	31.2	72	18.1	1
40X1-1/4"	70.4	52.5	34	52.5	39	80.5	20.7	1-1/4
50X1-1/2"	81.6	58.9	40	66	49.1	86.5	23.8	1-1/2
63X2"	96	69.5	50	81.8	61.9	99.5	27.1	2

Pressure for Hot&Cold

PP-R FITTINGS TYPE II



ITEM NO: PRII006

END CAP

Nom Size	d	d1	d2	L	L1
20	22.2	17.6	14.6	26.2	19.2
25	24	18.6	16.1	32.8	24.2
32	28.4	22.6	18.1	40.4	31.2
40	31.6	24.6	20	49.8	39
50	35.3	26.9	23	62.7	49.1
63	41.1	31	27	78.9	61.9

ITEM NO: PR034

PP-R CUTTER

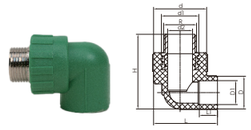
Nom Size	Carton size mm*mm*mm	Qty/ctn pc	Weight/ctn Kgs
20mm-32mm	504X486X217	50.0	26
20mm-63mm	450X440X330	20.0	23.3
20mm-110mm	365X380X325	12.0	22

ITEM NO: PR013

HEAT-FUSED MACHINE HEAT-FUSED JOINT

Ø20-Ø63	Ø20	Ø25
	Ø32	Ø40
	Ø50	Ø63
Ø75-Ø110	Ø75	Ø90
	Ø110	

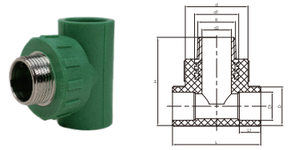
STAINLESS STEEL PP-R FITTINGS



ITEM NO: PRE05SS

MALE THREAD ELBOW TYPE S

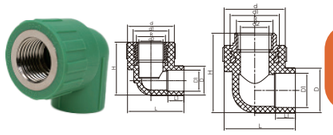
Nom Size	d	d1	d2	D	D1	L	L1	R	H
20X1/2"	36.7	25.5	15	26.2	19.2	46.4	14.6	1/2	59.1
20X3/4"	42.6	30	20	26.2	19.2	51.3	14.6	3/4	59.9
25X1/2"	36.7	25.5	15	32.8	24.2	47.4	16.1	1/2	66.4
25X3/4"	42.6	30	20	32.8	24.2	53.3	16.1	3/4	67.2
32X1/2"	36.7	25.5	15	40.4	31.2	52.8	18.1	1/2	75.2
32X3/4"	42.6	30	20	40.4	31.2	55.3	18.1	3/4	76
32X1"	55.6	44.8	26	40.4	31.2	64.8	18.1	1	87.6



ITEM NO: PRT04SS

MALE THREAD TEE TYPE S

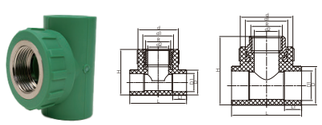
Nom Size	d	d1	d2	D	D1	L	L1	R	H
20X1/2"	36.7	25.5	15	26.2	19.2	56	14.6	1/2	59.1
20X3/4"	42.6	30	20	26.2	19.2	60	14.6	3/4	59.9
25X1/2"	36.7	25.5	15	32.8	24.2	58	16.1	1/2	66.4
25X3/4"	42.6	30	20	32.8	24.2	64	16.1	3/4	67.2
32X1/2"	36.7	25.5	15	40.4	31.2	64	18.1	1/2	75.2
32X3/4"	42.6	30	20	40.4	31.2	68	18.1	3/4	76
32X1"	55.6	44.8	26	40.4	31.2	74	18.1	1	87.6



ITEM NO: PRE03SS

FEMALE THREAD ELBOW TYPE S

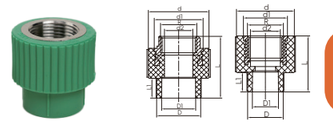
Nom Size	d	d1	d2	D	D1	L	L1	R	H
20X1/2"	36.7	27.1	15	26.2	19.2	46.4	14.6	1/2	45.1
20X3/4"	42.6	32.4	22	26.2	19.2	51.3	14.6	3/4	48.1
25X1/2"	36.7	27.1	15	32.8	24.2	47.4	16.1	1/2	52.4
25X3/4"	42.6	32.4	22	32.8	24.2	53.3	16.1	3/4	52.4
32X1/2"	36.7	27.1	15	40.4	31.2	54.8	18.1	1/2	61.2
32X3/4"	42.6	32.4	22	40.4	31.2	55.3	18.1	3/4	61.2
32X1"	55.6	44.8	26	40.4	31.2	64.8	18.1	1	72.2



ITEM NO: PRT03SS

FEMALE THREAD TEE TYPE S

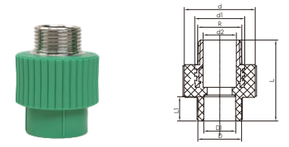
Nom Size	d	d1	d2	D	D1	L	L1	R	H
20X1/2"	36.7	27.1	15	26.2	19.2	56	14.6	1/2	45.1
20X3/4"	42.6	32.4	22	26.2	19.2	60	14.6	3/4	48.1
25X1/2"	36.7	27.1	15	32.8	24.2	58	16.1	1/2	52.4
25X3/4"	42.6	32.4	22	32.8	24.2	64	16.1	3/4	52.4
32X1/2"	36.7	27.1	15	40.4	31.2	64	18.1	1/2	61.2
32X3/4"	42.6	32.4	22	40.4	31.2	68	18.1	3/4	61.2
32X1"	55.6	44.8	26	40.4	31.2	74	18.1	1	72.2



ITEM NO: PR007SS

FEMALE THREAD BUSH TYPE S

Nom Size	d	d1	d2	D	D1	L	L1	R
20X1/2"	36.7	27.1	15	26.2	19.2	38.4	14.6	1/2
20X3/4"	42.6	32.4	22	26.2	19.2	41.2	14.6	3/4
25X1/2"	36.7	27.1	15	32.8	24.2	42.1	16.1	1/2
25X3/4"	42.6	32.4	22	32.8	24.2	41.9	16.1	3/4
32X1/2"	36.7	27.1	15	40.4	31.2	44.5	18.1	1/2
32X3/4"	42.6	32.4	22	40.4	31.2	45.9	18.1	3/4
32X1"	55.6	44.8	26	40.4	31.2	56.6	18.1	1



ITEM NO: PR008SS

MALE THREAD BUSH TYPE S

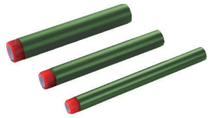
Nom Size	d	d1	d2	D	D1	L	L1	R
20X1/2"	36.7	25.5	15	26.2	19.2	52.4	14.6	1/2
20X3/4"	42.6	30	20	26.2	19.2	48.6	14.6	3/4
25X1/2"	36.7	25.5	15	32.8	24.2	50.2	16.1	1/2
25X3/4"	42.6	30	20	32.8	24.2	56.7	16.1	1/2
32X1/2"	36.7	25.5	15	40.4	31.2	52.6	18.1	1/2
32X3/4"	42.6	30	20	40.4	31.2	53.3	18.1	3/4
32X1"	55.6	44.8	26	40.4	31.2	72	18.1	1

Pressure for Hot&Cold

PPH THREAD FITTINGS

(IRAM13478)

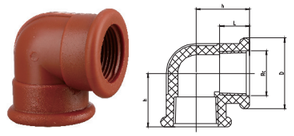
PRESSURE FOR HOT AND COLD



ITEM NO: THP001

PPH PIPE

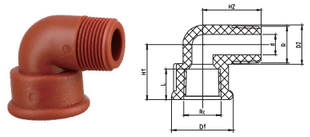
Nom Size	Quter Dia	Wall Thickness
1/2"	21.3	3.4
3/4"	26.9	3.9
1"	33.7	4.9



ITEM NO: TH001

90°ELBOW

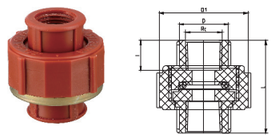
Nom Size	D	Rc	L	h
1/2"	34.5	1/2"	17	31.75
3/4"	41.5	3/4"	17.5	31.5
1"	50.5	1"	21	39.25
1-1/4"	61	1-1/4"	20	41.5
1-1/2"	67	1-1/2"	21	47
2"	85.5	2"	25.5	57.5



ITEM NO: TH002

90°ELBOW M/F

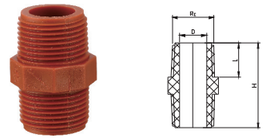
Nom Size	D1	D2	Rc	R	L	d	H1	H2
1/2"	34.5	22	1/2"	1/2"	17	11.5	30.8	33
3/4"	41.5	27	3/4"	3/4"	17.5	16	35	38.5



ITEM NO: TH003

UNION

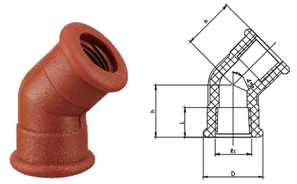
Nom Size	D	D1	Rc	L	l
1/2"	28	51	1/2"	53	18
3/4"	33.6	58	3/4"	57.5	20
1"	42.02	68.5	1"	47	18.5
1-1/4"	56.99	83	1-1/4"	56.5	21.5
1-1/2"	62	89	1-1/2"	74.5	21.5
2"	73.4	104	2"	95.5	25.5



ITEM NO: TH004

NIPPLE

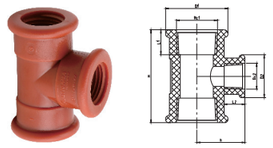
Nom Size	D	Rc	L	H
1/2"	13.2	1/2"	16.5	41.5
3/4"	17	3/4"	17.2	43.9
1"	21.5	1"	19.9	49
1-1/4"	29	1-1/4"	16.8	43.4
1-1/2"	33	1-1/2"	16.8	44.3
2"	42	2"	25	59



ITEM NO: TH006

45°ELBOW

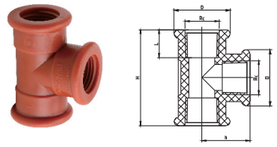
Nom Size	D	Rc	L	h
1/2"	34.5	1/2"	17	30



ITEM NO: TH013

REDUCING TEE

Nom Size	D1	D2	Rc1	Rc2	L1	L2	H	h
3/4"X1/2"	41.5	34.5	3/4"	1/2"	17	17.5	64.5	32.3
1"X1/2"	50.5	34.5	1"	1/2"	20	17	75	39
1"X3/4"	50.5	41.5	1"	3/4"	20	17.5	75	40.5

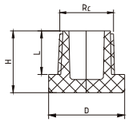


ITEM NO: TH008

TEE

Nom Size	D	Rc	L	H	h
1/2"	34.5	1/2"	17	59	29.5
3/4"	41.5	3/4"	17.5	64.5	33
1"	50.5	1"	20	77.5	39
1-1/4"	61	1-1/4"	20	83	41.5
1-1/2"	67	1-1/2"	22	94	47
2"	85.5	2"	25.5	115	57.5

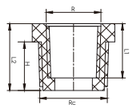
Pressure for Hot&Cold



ITEM NO: TH009

PLUG MALE

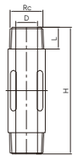
Nom Size	D	Rc	L	H
1/2"	28.5	1/2"	16.2	23
3/4"	36	3/4"	16.7	23.7
1"	34	1"	18	25.5
1-1/4"	43.8	1-1/4"	22	30
1-1/2"	50	1-1/2"	24	32
2"	61	2"	27.5	36



ITEM NO: TH010

REDUCING BUSH

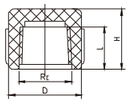
Nom Size	Rc	R	L1	L2	H
3/4"X1/2"	1/2"	3/4"	20.8	18.6	25.6
1"X1/2"	1/2"	1"	17	19.9	27.4
1"X3/4"	3/4"	1"	17.5	19.9	27.4
1-1/4"X3/4"	3/4"	1-1/4"	17.5	20.5	28.5
1-1/4"X1"	1"	1-1/4"	20	20.5	28.5
1-1/2"X3/4"	3/4"	1-1/2"	17.5	20.8	29
1-1/2"X1"	1"	1-1/2"	20	20.8	29
1-1/2"X1-1/4"	1-1/4"	1-1/2"	21	20.8	29
2"X1"	1"	2"	20	24.5	36
2"X1-1/4"	1-1/4"	2"	21	24.5	36
2"X1-1/2"	1-1/2"	2"	24	24.5	36



ITEM NO: TH011

LONG NIPPLE

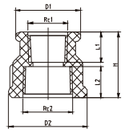
Nom Size	D	Rc	L	H
1/2"X4"	13	1/2 "	16	100
1/2"X6"	13	1/2 "	16	150
3/4"X4"	17	3/4 "	17	100



ITEM NO: TH012

FEMALE CAP

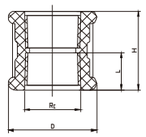
Nom Size	D	Rc	L	H
1/2"	29	1/2"	17	24
3/4"	36	3/4"	17.5	25



ITEM NO: TH005

REDUCING COUPLING

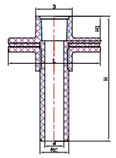
Nom Size	D1	D2	Rc1	Rc2	L1	L2	H
1/2"X3/4"	34.5	41.5	1/2"	3/4"	16	16.5	34.7
1"X1/2"	29.5	50.5	1/2	1	16	21	39.5
1"X3/4"	41.5	50.5	3/4	1	16.5	21	40



ITEM NO: TH007

COUPLING

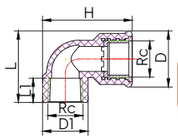
Nom Size	D	Rc	L	H
1/2"	34.5	1/2"	17	36.5
3/4"	41.5	3/4"	17.5	37
1"	44.4	1"	19	40
1-1/4"	53	1-1/4"	21	45
1-1/2"	61	1-1/2"	21	45
2"	82	2"	25.5	54



ITEM NO: TH014

TANK CONNECTOR

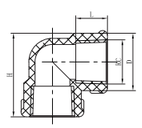
Nom Size	D	d	L	H	H1	G
1/2"	26.5	14	66	90	17.5	1/2"
3/4"	34	18.5	66	92	18.5	3/4"
1"	41	25	78	96.5	22	1"
1-1/4"	51	33	86	100	24	1-1/4"
1-1/2"	60	38.5	99	97.5	21	1-1/2"
2"	72.25	49	109.2	99	25	2"



ITEM NO: THII011

90°BRASS THREAD ELBOW

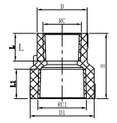
Nom Size	D	D1	RC	L	L1	H
1/2"	33.6	27.2	1/2"	42.8	14.5	53.6



ITEM NO: THII001

90°ELBOW

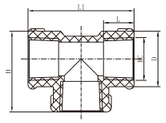
Nom Size	D	L	H	RC
1/2"	27.2	15	39.6	1/2"
3/4"	34.8	16	47.4	3/4"



ITEM NO: THII005

REDUCING COUPLING

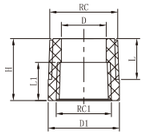
Nom Size	D	D1	L	L1	H	RC	RC1
3/4"X1/2"	27.2	34.8	15	16	35.5	1/2"	3/4"



ITEM NO: THII008

TEE

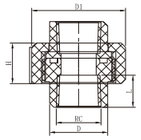
Nom Size	D	L	L1	H	RC
1/2"	27.2	15	52	39.6	1/2"
3/4"	34.8	16	60	47.7	3/4"



ITEM NO: THII010

REDUCING BUSH

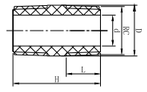
Nom Size	D	D1	L	L1	H	RC	RC1
3/4"X1/2"	17	27	15.5	14.5	23.5	1/2"	3/4"



ITEM NO: THII003

UNIOMN

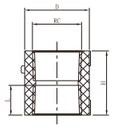
Nom Size	D	D1	L	H	RC
1/2"	27.2	44	15	19	1/2"
3/4"	32.7	53	16	18.7	3/4"



ITEM NO: THII004

NIPPLE

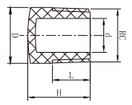
Nom Size	d	D	L	H	RC
1/2"	13	21.5	14.5	37	1/2"
3/4"	17.5	27	15.5	38.5	3/4"



ITEM NO: THII007

COUPLING

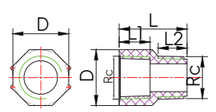
Nom Size	D	L	H	RC
1/2"	27.2	15	32	1/2"
3/4"	34.8	16	34.5	3/4"



ITEM NO: THII009

MALE PLUG

Nom Size	d	D	L	H	RC
1/2"	13	21.5	14.5	24	1/2"
3/4"	17.5	27	15.5	26.1	3/4"

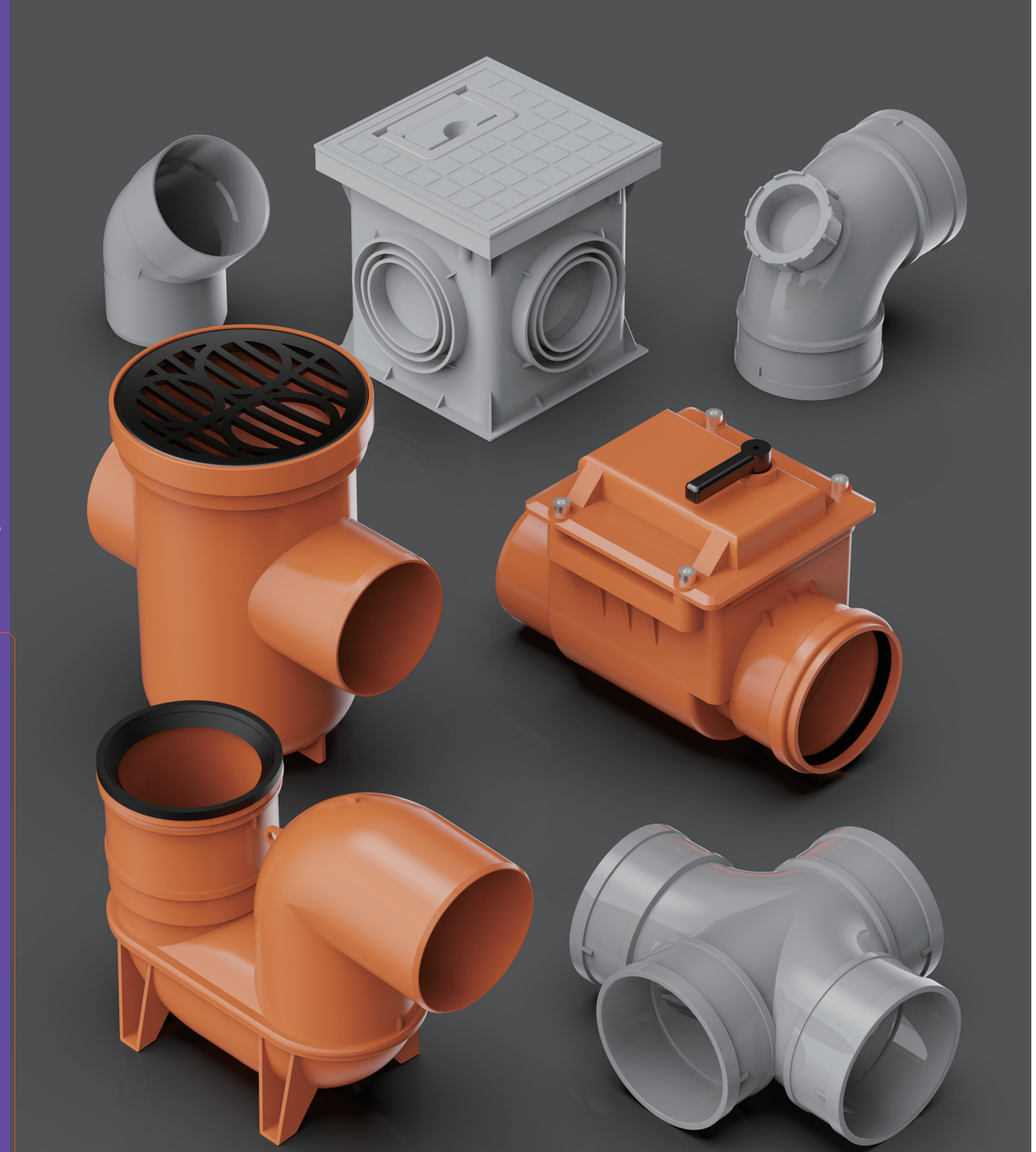


ITEM NO: THII012

MF NIPPLE

Nom Size	D	L	L1	L2	RC
1/2"	27.2	33	15	14	1/2"

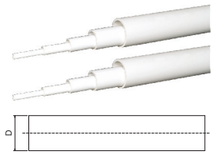
Pressure for Hot&Cold



PVC PIPES & FITTINGS FOR DRAINAGE

DRAINAGE

BS1329 BS1401 PVC PIPES&FITTINGS FOR DRAINAGE



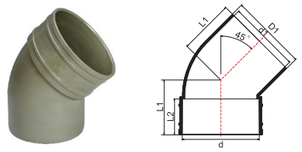
ITEM NO: UD001

DRAINAGE PIPES THE METRLC SYSTEM

Nom Size	Outer Dia	Wall Thickness
50	50	2.0
75	75	2.3
80	80	2.0
100	100	3.0
110	110	3.2
160	160	4.0
200	200	4.9
250	250	6.2

DRAINAGE PIPES THE BS SYSTEM

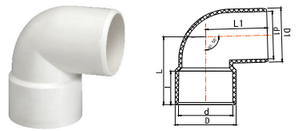
Nom Size	Outer Dia	Wall Thickness
1-1/4"	36.3	2.2
1-1/2"	42.9	2.3
2"	55.9	2.2
3"	82.6	3.2
4"	110	3.2
6"	160	4.0
8"	200	4.9
10"	250	6.2



ITEM NO: UDE006

45°ELBOW M/F DIN

Nom Size	d	d1	D1	L2	L1
110	110	103.6	110	51.7	78.8



ITEM NO: UDE010

90°ELBOW M/F BS

Nom Size	D	d	d1	G	L
25X3/4"	33.3	25	43	3/4"	19.5

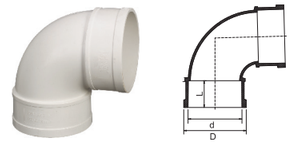
ITEM NO: UDE003

45°ELBOW DIN

Nom Size	D	d	L
50	58.4	50	25
63	71.4	63.4	42
75	83.5	75	40
110	120.6	110	48
160	173.6	160	58
200	216	200	70
250	266.6	250	75

45°ELBOW BS

Nom Size	D	d	L
1-1/2"	52	42.9	23
1-1/4"	42.5	36.5	24.5
2"	62	55.9	29
3"	91.2	82.6	40
4"	120.6	110	48
6"	173.6	160	58
8"	216	200	70
10"	266.8	250	75



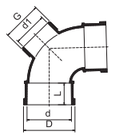
ITEM NO: UDE001

90°ELBOW DIN

Nom Size	D	d	L
50	58.4	50	25
75	83.5	75	40
110	120.6	110	48
160	173.6	160	58
200	216	200	70
250	266.6	250	75

90°ELBOW BS

Nom Size	D	d	L
1-1/4"	42.5	36.3	24.5
1-1/2"	52	42.9	23
2"	62	55.9	29
3"	91.2	82.6	40
4"	120.6	110	48
6"	173.6	160	58
8"	216	200	70
10"	266.8	250	75
12"	334.5	316.2	75



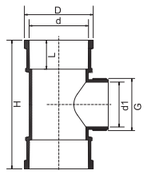
ITEM NO: UDE002

90°ELBOW (WITH INSPECTION PORT) DIN

Nom Size	D	d	L	G	d1
40	44.3	40.3	23.3		20.18
50	58.4	50	25	M45X2	38.8
75	83.5	75	40	M45X2	38.2
110	120.6	110	48	M72X2	63.5
160	173.6	160	58	M72X2	63.5

90° ELBOW (WITH INSPECTION PORT) BS

Nom Size	D	d	L	G	d1
2"	62	55.9	29	M45X2	38.8
3"	91.2	82.6	40	M45X2	38.2
4"	120.6	110	48	M72X2	62.8
6"	173.6	160	58	M72X2	61.2



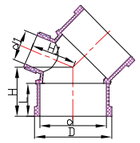
ITEM NO: UD002

INSPECTION PORT DIN

Nom Size	D	d	L	G	d1	H
50	58.4	50	25	M45X2	38.8	111
75	83.5	75	40	M72X2	63.5	168.8
110	120.6	110	48	M105X3	96.5	230
160	173.6	160	58	M105X3	94.3	275
200	216	200	70	M145X4	134	335
250	266.6	250	75	M145X4	133	361

INSPECTION PORT BS

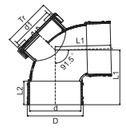
Nom Size	D	d	L	G	d1	H
2"	62	55.9	29	M45X2	38.8	111
3"	91.2	82.6	40	M72X2	63.5	168.8
4"	120.6	110	48	M105X3	96.5	230
6"	173.6	160	58	M105X3	94.3	275
8"	216	200	70	M145X4	134	335
10"	266.6	250	75	M145X4	133	361



ITEM NO: UDE011

45°ELBOW (WITH INSPECTION PORT)

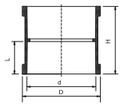
Nom Size	D	d	d1	L	H	H1
50	58.4	50.4	23.3	25	37	34.41



ITEM NO: UDE005

90°DOOR ELBOW BS

Nom Size	D	d	L2	Tr	d1	L1
3"	92.5	82.6	43	Tr76X4	66.5	96
4"	120	110	51.3	Tr104X4	90.4	119.3



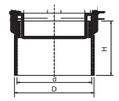
ITEM NO: UD003

COUPLING DIN

Nom Size	D	d	L	H
50	58.4	50	25	52
75	83.5	75	40	82
110	120.6	110	48	99
160	173.6	160	58	120
200	216	200	70	144.5
250	266.6	250	75	155
315	334.5	316.2	75	158

COUPLING BS

Nom Size	D	d	L	H
1-1/4"	42.5	40.4	24.5	51.5
1-1/2"	52	42.9	23	48.5
2"	62	55.9	29	61
3"	91.2	82.6	40	82
4"	120.6	110	48	99
6"	173.6	160	58	125
8"	216	200	70	144.5
10"	266.6	250	75	155



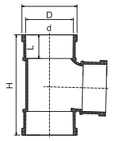
ITEM NO: UD008

CLEAN OUT DIN

Nom Size	D	d	H
32	32	26	35.5
40	40	34	39.5
50	50	46	39
75	75	70.4	54
100	100	94	64
110	110	103.6	64.5
125	125	118.6	70.5
160	160	152	78
200	200	191	97.5

CLEAN OUT BS

Nom Size	D	H
1-1/4"	36.3	40
1-1/2"	42.9	48.5
2"	55.9	61
3"	82.6	82
4"	110	99
6"	160	125



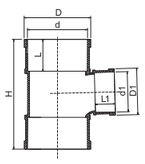
ITEM NO: UDT001

DOWNSTREAM TEE DIN

Nom Size	D	d	L	H
50	58.4	50	25	106
75	83.5	75	40	166
110	120.6	110	48	219
160	173.6	160	58	296
200	216	200	70	355
250	266.6	250	75	423

DOWNSTREAM TEE BS

Nom Size	D	d	L	H
1-1/4"	42.7	36.3	23	99
1-1/2"	52	42.9	23	100.5
2"	62	55.9	29	133
3"	91.2	82.6	40	170
4"	120.6	110	48	219
6"	173.6	160	58	296
8"	216	200	70	355
10"	266.8	250	75	423



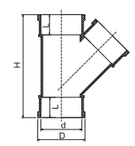
ITEM NO: UDT002

REDUCING DOWNSTREAM TEE DIN

Nom Size	D	d	L	H	D1	d1	L1
75X50	83.5	75	40	138	58.4	50	25
110X50	120.6	110	48	155	58.4	50	25
110X75	120.6	110	48	185	83.5	75	40
160X110	173.6	160	58	238	120.6	110	48
200X160	216	200	70	320	173.6	160	58
250X200	266.6	250	75	382.9	214.6	200	70

REDUCING DOWNSTREAM TEE BS

Nom Size	D	d	L	H	D1	d1	L1
3"X2"	91.2	82.6	40	138	62	55.9	29
4"X2"	120.6	110	48	155	62	55.9	29
4"X3"	120.6	110	48	185	91.2	82.6	40
6"X4"	173.6	160	58	238	120.6	110	48
8"X6"	216	200	70	320	173.6	160	58
10"X8"	266.6	250	75	382.9	216	200	70



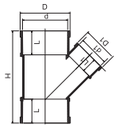
ITEM NO: UDT003

SKEW TEE DIN

Nom Size	D	d	L	H
50	58.4	50	25	127
75	83.5	75	40	192
110	120.6	110	48	259
160	173.6	160	58	257
200	212.8	200.9	70	442

SKEW TEE BS

Nom Size	D	d	L	H
1-1/2"	52	42.9	23	121.1
2"	62	55.9	29	152.1
3"	91.2	82.6	40	195
4"	120.6	110	48	259
6"	173.6	160	58	257



ITEM NO: UDT004

REDUCING SKEW TEE DIN

Nom Size	D	d	L	H	D1	d1	L1
75X50	83.5	75	40	154	58.4	50	25
110X50	120.6	110	48	174	58.4	50	25
110X75	120.6	110	48	208	83.51	75	40
160X110	173.6	160	58	279.5	20.6	110	48

REDUCING SKEW TEE BS

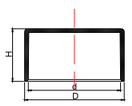
Nom Size	D	d	L	H	D1	d1	L1
4"X2"	120.6	110	48	174	62	55.9	29
6"X4"	173.6	160	58	279.5	120.6	110	48

ITEM NO: UDT006

REDUCING COUPLING BS

Nom Size	D	d	L	D1	d1	L1	H
1-1/2"X1-1/4"	47.2	42.9	29	40.5	36.3	20	60
2"X1-1/4"	60.5	55.9	29	40.45	36.45	20	65
2"x3/4"	60.5	55.9	29	30	27	19.5	59.5
3"X2"	88.1	82.6	40	60.5	55.9	29	98
4"X2"	116.9	110	50	60.5	55.9	29	108
4"X3"	116.9	110	50	88.1	82.6	40	120

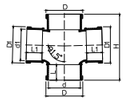
PVC PIPES&FITTINGS FOR DRAINAGE BS1329 BS1401



ITEM NO: UDEC01

END CAP

Nom Size	D	d	L	H
1-1/2"	47.7	43.1	23	26
2"	61	56.4	29	32
3"	87.5	82.9	50	53



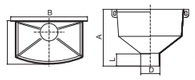
ITEM NO: UDC001

PLANE CROSS DIN

Nom Size	D	d	L	H	D1	d1	L1
50	58.4	50	25	106	58.4	50	25
75	83.5	75	40	166	83.5	75	40
110	120.6	110	48	219	120.6	110	48
125	132.2	125.6	51.5	254	132.2	125.6	51.5
160	173.6	160	58	296	173.6	160	58
75X50	83.5	75	40	138	58.4	50	25
110X50	120.6	110	48	155	58.4	50	25
110X75	120.6	110	48	185	83.5	75	40
160X110	173.6	160	58	238	120.6	110	48

PLANE CROSS BS

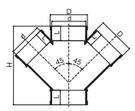
Nom Size	D	d	L	H	D1	d1	L1
4"	120.6	110	48	219	120.6	110	48
6"	173.6	160	58	296	173.6	160	58
3"X2"	91.2	82.6	40	138	62	55.9	29
4"X2"	120.6	110	48	155	62	55.9	29
6"X4"	216	200	70	238	120.6	110	48



ITEM NO: UD006

SQUARE RAIN WATER HOPPER DIN

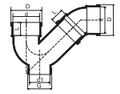
Nom Size	D	L	A	B
50	70	40	210	280
75	102.2	45	230.9	332
110X75	102.2/69.6	55/45	278.9	332
160	160	56.5	232	358.2



ITEM NO: UDC003

SKEW CROSS DIN

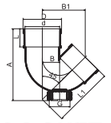
Nom Size	D	d	L	H
110	120.6	110	48	219



ITEM NO: UDS003

P-TRAP DIN

Nom Size	D	d	L	d1	G
50	58.4	50	25	38.8	M45X2
63	69.5	63.5	38	37	M43X2
75	83.5	75	40	38.2	M45X2
80	85.5	80.5	42.5	49.8	M55.8X2
110	120.6	110	48	63.5	M72X2
160	173.6	160	58	63.5	M72X2



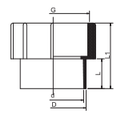
ITEM NO: UDS002

DOUBLE SOCKET TRAP DIN

Nom Size	D	d	L	A	B	B1	G	L1
50	58.4	50	25	106.5	25	61	M45X2	86.3
75	83.5	75	40	158.2	37.5	93	M45X2	131.5
110	120.6	110	48	218.2	55	129.2	M72X2	182.7
160	173.6	160.8	58	271.16	79.98	179.36	M72X2	253.66

DOUBLE SOCKET TRAP BS

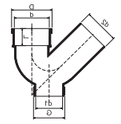
Nom Size	D	d	L	A	B	B1	G	L1
2"	62	55.9	29	106.5	25	61	M45X2	86.3
3"	91.2	82.6	40	158.2	37.5	93	M45X2	131.5
4"	120.6	110	48	218.2	55	129.2	M72X2	182.7
6"	173.6	160	58	275	80	179.4	M72X2	253.7



ITEM NO: UD009

WATER BASIN CONNECTOR DIN

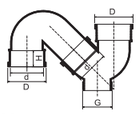
Nom Size	d	D	G	L	L1
50X40	50.0	54.4	G 1-1/2"	25	55
50X50	50.0	54.4	G 2"	25	55



ITEM NO: UDS001

SINGLE SOCKET TRAP DIN

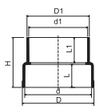
Nom Size	D	d	L	d1	d2	G
50	58.4	50	25	38.8	50	M45X2
75	83.5	75	40	38.2	75	M45X2
110	120.6	110	48	63.5	110	M72X2
160	173.6	160	58	63.5	160	M72X2



ITEM NO: UDS004

S-TRAP DIN

Nom Size	D	d	H	G
50	58.4	50	25	M45X2
63	69.5	63.5	36	M43X2
75	83.5	75	40	M45X2
80	84.9	80.5	42.5	M55.8X2
110	120.6	110	48	M72X2



ITEM NO: UD005

WC CONNECTOR DIN

Nom Size	D	d	L	D1	d1	L1	H
110	134.3	125	43.8	117	110	48	95

ITEM NO: UD014

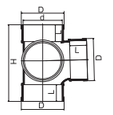
EXTENSION JOINT DIN

Nom Size	D	L	L1
50	50	25	62
75	75	40	94.3
110	110	48	112.2
125	125.6	51	138
160	160	58	146
200	200	70	171.5

ITEM NO: UDE004

90° ELBOW WITH SIDE PORT

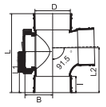
Nom Size	d	D	L1	L2	L3
110	110	121	52	130.1	136.6



ITEM NO: UDC002

CUBIC CROSS DIN

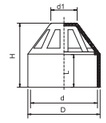
Nom Size	D	d	L	H
110	120.6	110	48	219



ITEM NO: UDT008

DOOR TEE

Nom Size	D	B	I	L	L1	L2
50	58.4		25	106	51	
110	110	86.5	51.3	250.3	130.2	142.1
160	160.6	111.5	60.3	288.2	144.1	144.1



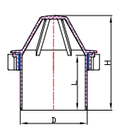
ITEM NO: UD007

VENT CAP DIN

Nom Size	D	d	L	H	d1
50	54.4	50	25	49	19.8
63	69.6	63.6	35.78	70	/
75	80.1	75	40	82	39.8
110	117	110	48	99.9	61.1
160	168.6	160	58	143	82.3

VENT CAP BS

Nom Size	D	d	L	H	d1
2"	62	55.9	29	49	19.8
3"	91.2	82.6	40	82	39.8
4"	120.6	110	48	99.9	61.1
6"	173.6	160	58	143	82.3

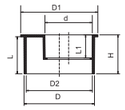


ITEM NO: UD038

VENT CAP II

Nom Size	D	L	H
80	76.5	108.5	62.91

Drainage



ITEM NO: UD004

REDUCING BUSHES DIN

Nom Size	D	d	L	D1	D2	L1	H
75X50	75	50	40	82.1	70.4	25	42
110X50	110	50	48	119.4	103.4	25	50
110X75	110	75	48	119	103.4	40	50
160X110	160	110	58	171.6	151.8	48	60
200X160	200	160	70	213	190.9	58	73
250X200	250	200	75	260.6	239.9	70	80

REDUCING BUSHES BS

Nom Size	D	d	L	D1	D2	L1	H
2"X1-1/2"	55.9	42.9	29	62	50.4	22.5	31
3"X2"	82.6	55.9	40	91.2	76.9	29	42
4"X1-1/2"							
4"X2"	110	55.9	48	119.4	104	29	50
4"x2-1/2"	109.9	43.2	50	110.6	104.3	22.9	50
4"X3"	110	82.6	48	119.4	82.6	40	50
6"X4"	160	110	58	171.6	152	48	60
8"X6"	200	160	70	213	190.9	58	73
10"X8"	250	200	75	260.6	239.9	70	80
12"X8"	315.05	250.9	80	334	299.35	75	80

ITEM NO: UDT007

TEE WITH SIDE PORT

Nom Size	d	D	L	L1	L2	L3
110	110	121	52	130.1	239	136.6

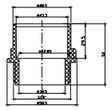
ITEM NO: UD015

COUPLING EXTENSION DIN

Nom Size	D	L	L1
50	50	25	72.5
75	75	40	104.8
110	110	48	124
160	160	58	154.5

COUPLING EXTENSION BS

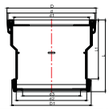
Nom Size	D	L	L1
2"	55.9	29	72.5
3"	82.6	40	104.8
4"	110	48	124
6"	160	58	154.5



ITEM NO: UD030

MALE SOCKET

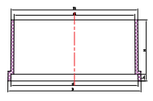
Nom Size	D1	D	d	d1	L	H	G
1-1/2"	58.5	48.5	42.9	38.5	29.5	52	1-1/2"
2"	71	61.5	55.9	51.5	31.8	54.5	2"



ITEM NO: UD025

PAN ADAPTOR WITH RUBBER

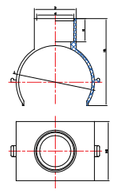
Nom Size	D	d	d1	D1	d2	d3	L1	L
4"	144.86	140.99	122.5	129	114.5	94	99.5	121



ITEM NO: UDD007-1

FLOOR TRAP COUPLING

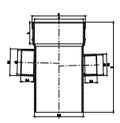
Nom Size	D	d	D1	d1	H	L
160	176.7	168.5	168	160	81	9



ITEM NO: UD039

BOSS CONNECTOR

Nom Size	D	d	H	H1	H2	L
110X50	57	50.5	31.5	118	80.3	99.5



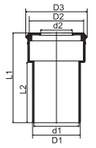
ITEM NO: UD034

RAISER BS

Nom Size	d	d1	d2	D	D1	D2	D3	L	L1	L2	H
4X2X1-1/2"	110.5	56.1	43.3	120	62	50	110	50.5	28.9	27	210

RAISER DIN

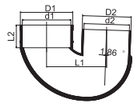
Nom Size	D	D1	D2	d	d2	L	L1	L2	L3	L4	
110X63X50	116.35	110	62.9	62.9	50.39	95	49	26	160.5	166	185



ITEM NO: UD018

PAN ADAPTOR

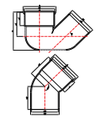
Nom Size	d1	D1	D2	d2	D3	L1	L2
4"	103.6	110	73	125.4	141.6	211.7	142.4



ITEM NO: UD021

U-TRAP

Nom Size	d1	D1	d2	D2	L1	L2
110	110	118.4	103	110	135.5	52.5

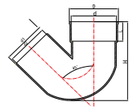


ITEM NO: UD0031

SYPHON + ELBOW 45° TYPE III

Nom Size	D	D1	d1	D2	d2	L1	H1	H
110	126	117	110	110	103	54	97	152

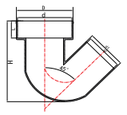
Nom Size	D	D1	d1	D2	d2	L1	H1	H2
110	126	117	110	110	103	54	92.8	91.4



ITEM NO: UD028

SYPHON

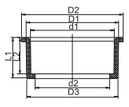
Nom Size	D	d	d1	d2	L	H
110	120	110	110	103.4	49.5	200



ITEM NO: UD029

SYPHON TYPE II

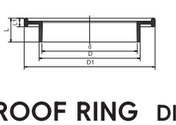
Nom Size	D	d	d1	d2	L	H
150X110	156	150	110	103.4	49	231



ITEM NO: UD019

REDUCING RING FOR CLAMP

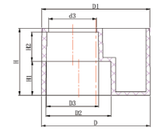
Nom Size	d1	D1	D2	d2	D3	L1	L2
2"X3"	55.9	62	68.2	50	61.2	27.7	25



ITEM NO: UD013

LEAK PROOF RING DIN

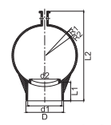
Nom Size	d	D	D1	L	L1
50	50	54.2	73	15	5
75	75	70.4	105.6	20.5	7
110	110	117.0	140	20.5	7



ITEM NO:UD035

TRANSITION REDUCING RING (DRAINAGE/PRESSURE)

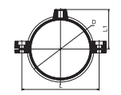
Nom Size	D	D1	D2	D3	d3	H	H1	H2
2"X1"X3/4"	56	55.8	33.7	26.9	24.7	34.5	17.5	15



ITEM NO: UD020

CLAMP WITH SCREW

Nom Size	d1	d2	D	L1	L2	R1	R2
3"	61.7	50	68.2	39	140.8	40.3	43.6
4"	61.7	50	68.2	34.6	166.2	54.5	57.5
6"	61.7	50	68.2	31.3	192	80.1	83



ITEM NO: UD010

PIPE CLAMP DIN

Nom Size	D	L	L1
50	50	72	38
75	75	98	51
110	110	133	69
160	160	190	100.6

PVC PIPES&FITTINGS FOR DRAINAGE BS1329 BS1401

ITEM NO: UD012

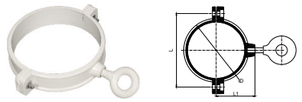
II-LIFTING LUG DIN

Nom Size	D	A1	A2	L1
50	50	37.7	34.4	52.5
75	75	50.5	47.4	65
110	110	71	68.5	90.6
160	160	95.5	94.9	115.7

ITEM NO: UD033

U CLIP

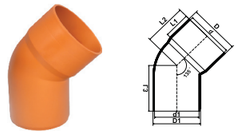
Nom Size	d	D	D1	L	H
3"	82	90	129	57.5	102.5
4"	110	119	175	69	128.5



ITEM NO: UD011

LIFTING LUG DIN

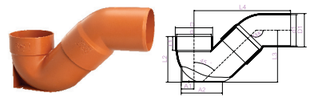
Nom Size	D	L	L1
50	50	72	38
75	75	98	51
110	110	133	69
160	160	190	100.6



ITEM NO: UDR003

45° ELBOW M/F

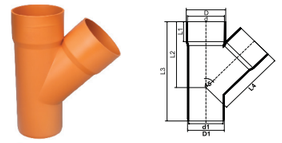
Nom Size	D	d	D1	d1	L1	L2	L3
110	118	110	110	103	62	99.3	109.8



ITEM NO: UDR005

WING P-TRAP

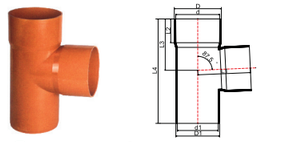
Nom Size	D	d	D1	d1	L1	L2	L3	L4	A1	A2
110	118	110	110	103	45.7	150.4	170.9	306.27	40.65	130.71



ITEM NO: UDR001

SKEW TEE M/F

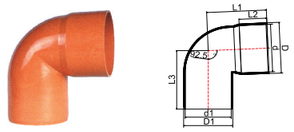
Nom Size	D	d	D1	d1	L1	L2	L3	L4
110	118	110	110	103	204.72	62	308.5	204.63



ITEM NO: UDR006

TEE M/F

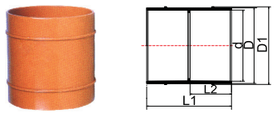
Nom Size	D	d	D1	d1	L1	L2	L3	L4
110	118	110	110	103	132.35	62	134.03	272.5



ITEM NO: UDR008

90°ELBOW M/F

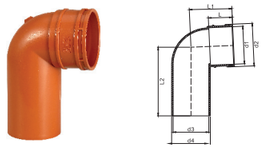
Nom Size	D	d	D1	d1	L1	L2	L3
110	118	110	110	103	133.75	62	135.82



ITEM NO: UDR011

COUPLING II

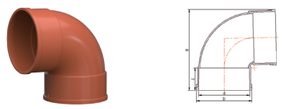
Nom Size	D	D1	d	L1	L2
110	117.6	120.6	110	127	62



ITEM NO: UD026

LONG BEND 90° ELBOW

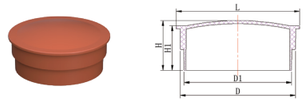
Nom Size	d1	d2	d3	d4	L1	L2	L
3"	82.9	94	76	82.4	90.7	151.6	51
4"	110	121	102.8	110.2	108.6	197	48.5



ITEM NO:UDME001

90°ELBOW (LIGHT TYPE)

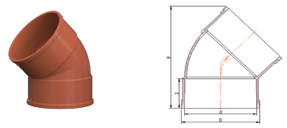
Nom Size	D	d	Z	H
4"	120	110.6	48.5	174.7



ITEM NO:UDEC02

M/F KUWAIT END CAP

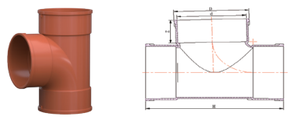
Nom Size	D	D1	H	H1	L
110	110.1	102.7	48	43	43
160	160	151.5	55	48	48



ITEM NO:UDME003

45°ELBOW (LIGHT TYPE)

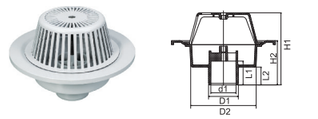
Nom Size	D	d	Z	H
4"	120	110.6	48.5	167.1



ITEM NO:UDMT001

DOWNSTEAM TEE (LIGHT TYPE)

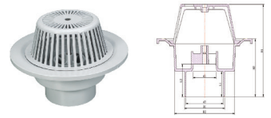
Nom Size	D	d	Z	H
4"	120	110.6	48.5	220



ITEM NO: UDD020

ROOF DRAIN FEMALE

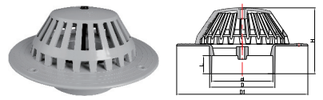
Nom Size	d1	D1	D2	L1	L2	H1	H2
75X63	63.0	75	164.9	60	45	181.7	111.6
110	110	122.1	164.9	60	45	179.2	111.6



ITEM NO: UDD021

ROOF DRAIN MALE

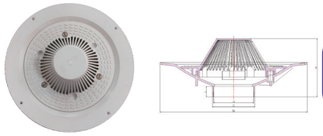
Nom Size	d1	d2	D1	D2	L1	L2	H1	H2
110	63	102.6	109.95	164.9	52	67	188.7	118.6



ITEM NO: UDD039

ROOF DRAIN

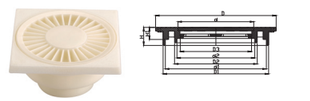
Nom Size	D1	D	d	L	H
3"	177.4	89	82.6	25	91.1



ITEM NO: UDD039

ROOF DRAIN

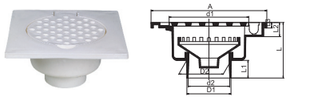
Nom Size	D1	D	d	L	H
4"	404	116.5	110	28.5	158.5



ITEM NO: UDD045

SQUARE FLOOR DRAIN II

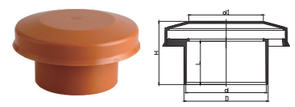
Nom Size	D	d	D1	L	H
50	54.1	50.4	98	16.7	49.9



ITEM NO: UDD023

APPLE GRATING (PP MATERIAL) BS

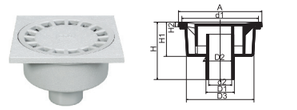
Nom Size	d1	d2	D1	D2	A	L	L1	L2	L3
2"	100.4	52.8	55.9	56.3	147	70.5	22.4	18	7



ITEM NO: UD037

ROOF DRAIN

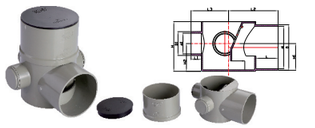
Nom Size	D	d	L	H	d1
110	116.7	112	60.2	87.7	103.5



ITEM NO: UDD015

MALE FLOOR DRAIN DIN

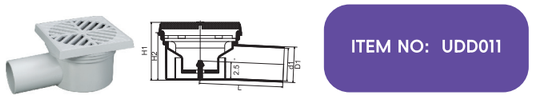
Nom Size	d1	d2	D1	D2	D3	A	H	H1	H2
40	94	34.6	40	40.3	92.2	99	93	61	7.5
50X40	134	40.4	50	50.3	118.3	146	100.5	60	8
75X63	179.5	63.2	75	75.3	164	198.5	109.2	64.5	8
110	179.5	98	110	110.3	164	198.5	107.2	64.5	8



ITEM NO: UDD046

JR FLOOR DRAIN

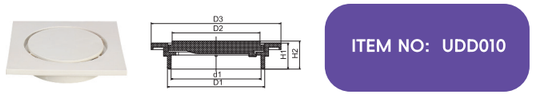
Nom Size	D	d	D1	d1	L	L1	L2	L3	H	H1	H2
125X110X50	110	102.5	57.5	50	53.5	55	25	119.75	90.75	120	64.5	67



ITEM NO: UDD011

FLOOR DRAIN (SNOW FLAKE) DIN

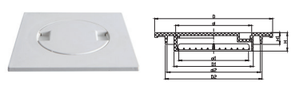
Nom Size	d1	D1	H1	H2	L
50	45.3	50	80.3	66	115.9



ITEM NO: UDD010

FLOOR DRAIN COVER BS

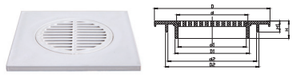
Nom Size	d1	D1	D2	D3	H1	H2
15X15(mm)	101.96	110	99.5	147	29.4	31.8



ITEM NO: UDD010-1

FLOOR DRAIN COVER BS

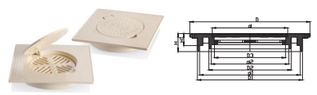
Nom Size	D	d	D1	d1	D2	d2	H1	H
15X15(mm)	149	96	100	88	122.7	117.2	15	23



ITEM NO: UDD010-2

FLOOR DRAIN COVER BS

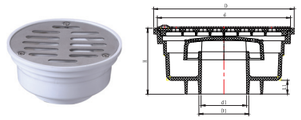
Nom Size	D	d	D1	d1	D2	d2	H1	H
15X15(mm)	150	97	94	86	122.7	117.2	15	22



ITEM NO: UDD048

FLOOR DRAIN COVER BS

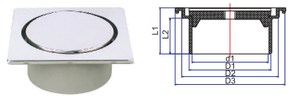
Nom Size	D	d	D1	d1	D2	d2	D3	H	H1
20X20(mm)	200.5	126.5	175.5	168	137.5	129.5	118.5	30	20



ITEM NO:UDD062

PP UNIVERSAL FLOOR DRAIN,WITH SS COVER

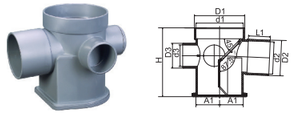
Nom Size	D	d	D1	d1	L1	H
110X75X50	128	121.2	45.5	41.5	12.5	60



ITEM NO: UDD022

FLOOR DRAIN COVER WITH STAINLESS COVER BS

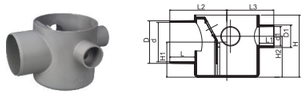
Nom Size	d1	D1	D2	D3	L1	L2
4"	102.5	110	130	145.6	62	48



ITEM NO: UDD012

FLOOR DRAIN

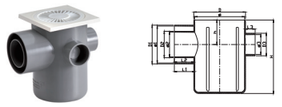
Nom Size	d1	D1	d2	D2	d3	D3	L1	A1	H
100X75X50X50X50	110.7	117.5	75	82.4	50	57.7	51	57.5	157



ITEM NO: UDD007

FLOOR DRAIN

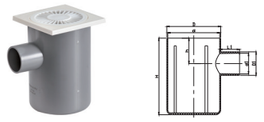
Nom Size	d	D	d1	D1	L	L1	L2	L3	H	H1	H2
160X110X50	102.2	110	50	58.2	65.1	37.5	147.5	121.5	90.9	105.9	160.8



ITEM NO: UDD040

FLOOR TRAP WITH COVER

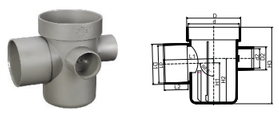
Nom Size	D	d	D1	d1	D2	d2	D3	d3	L	L2	L3	h	H
100X75X50X40	105.6	101.6	79	75	54	50	46	40	42	40	20.5	50	150



ITEM NO: UDD041

GULLEY TRAP LOWER TYPE DIN STANDARD

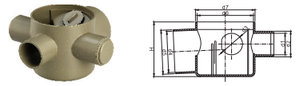
Nom Size	D	d	D1	d1	L1	h	H
100X50X40	105.6	101.6	46	40	39	50	150



ITEM NO: UDD024

FLOOR DRAIN

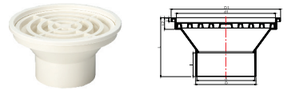
Nom Size	D	d	D1	d1	D2	d2	L1	L2	H1	H2	H3
4"X3"	116.8	110.4	89	82.6	51	43.3	108	51.5	90.3	100.1	169



ITEM NO: UDD027

GULLY TRAP LOWER TYPE

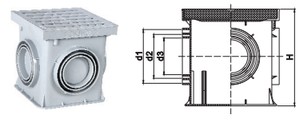
Nom Size	d1	d2	d3	d4	d5	d6	d7	H
4X3X1-1/2"	43.2	51.5	43.2	82.9	88.4	110.5	117	109.8



ITEM NO: UDD026

FLOOR DRAIN

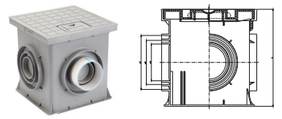
Nom Size	D	d	D1	d1	I	L1	L2	L
6"X4"	117	110	210	190	46.5	7.5	22.7	115.5



ITEM NO: UDD028

CATCH BASIN SQARE

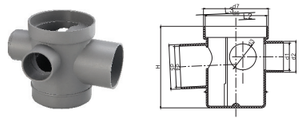
Nom Size	H	d1	d2	d3
200X200	199	110	90	75



ITEM NO: UDD047

CATCH BASIN

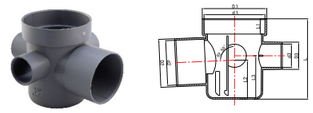
Nom Size	H	d1	d2	d3	d4
200X200	199	110	90	75	75.4
300X300	295	159.9	109.9	74.9	75.5
400X400	387	200.9	160.8	110.6	75.5



ITEM NO: UDD029

FLOOR TRAP

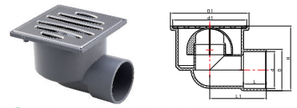
Nom Size	d1	d2	d3	d4	d5	d6	d7	H
110X75X50	50.6	57	48	75.6	81.8	110.5	116.8	150



ITEM NO: UDD034

BH FLOOR DRAIN

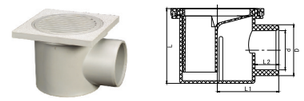
Nom Size	D1	d1	D2	d2	D3	d3	L1	L2	L3	L
4"X3"X2"X1-1/2"	117	110	89	83	51.5	43.3	28.3	72.3	80.5	149



ITEM NO: UDD035

FLOOR DRAIN

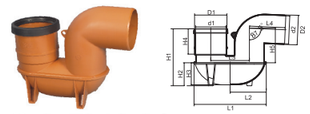
Nom Size	D	d	D1	d1	L	L1	H
50	56.2	50	104.3	98.2	30.3	75	87.8



ITEM NO: UDD032

II JNL FLOOR DRAIN

Nom Size	D	d	L	L1	L2
2X1-1/2"	55.9	43.1	82.2	66	25.5



ITEM NO: UD017

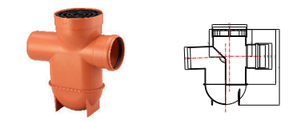
P-TRAP BS

Nom Size	D1	d1	D2	d2	H1	H2	H3	H4	H5	L1	L2	L3	L4
4"	117	110.5	110	104	212	85.58	294.7	128.5	262.2	126.5	140.4	130.1	

ITEM NO: UDL001

P-TRAP II

Nom Size	D1	d1	D2	d2	H1	H2	H3	H4	H5	L1	L2	L3	L4
4"	120.8	114.8	110	104	189.5	84	80.77	92.7	108.5	238.5	121.16	158.13	106



ITEM NO: UDD033

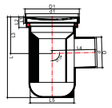
FLOOR TRAP

Nom Size	D1	d1	D2	d2	D3	D4	d4	L1	L2	L3	L
6"X4"X4"	167	160	110	104	127.2	118	112	132	135.4	270	372

ITEM NO: UDD031

BALCONY DRAIN

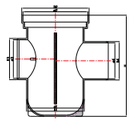
Nom Size	D	d	H
110	110	102	198



ITEM NO: UDD025

FLOOR TRAP

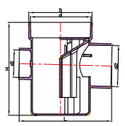
Nom Size	D	d	D1	d1	L1	L2	L3	L4	L5	L
6"X4"	110	103	188.8	181.8	23	38.2	131.9	149.4	152.7	290.6



ITEM NO: UDD038

FLOOR TRAP TYPE II

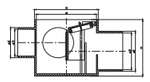
Nom Size	D1	d1	D2	d2	D3	d3	D4	d4	H
6"X4"X4"	161.4	154.4	188.8	181.8	118	110.6	110	103	290.6



ITEM NO: UDD029-1

FLOOR DRAIN III

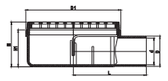
Nom Size	D	d	d1	d2	L	H
110X75X50	116.9	110.9	50.4	75.5	170.31	171.5



ITEM NO: UDD042

GULLEY TRAP LOWER TYPE DIN STANDARD

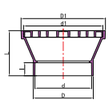
Nom Size	D	d	d1	d2	d3	d4	H
110X75X50	117	110	75	69	50	56	106



ITEM NO: UDD043

FLOOR DRAIN

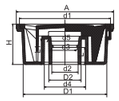
Nom Size	D	D1	d	L	H	H1
150X150X50	49.3	151.8	43.3	116.5	72.7	60
200X200X50	49.3	180.8	43.3	137.2	73.2	60.2



ITEM NO: UDD044

FLOOR DRAIN

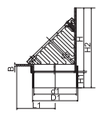
Nom Size	D	D1	d	d1	L	I
4"	117	164.5	110.6	154.5	90	26



ITEM NO: UDD018

FEMALE FLOOR DRAIN DIN

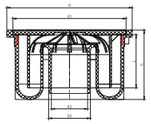
Nom Size	d1	d2	d3	d4	d5	D1	D2	A	H	L	L1
50X40X32	93.6	32.0	31.9	50	40.3	84.75	40	99	50.6	24.8	32
63X50X40	140	40.0	39.9	63	50.3	128.5	50	149.5	63.5	26.8	40
90X75X63	183.5	63.0	62.9	90	75.3	166	75	199	92.2	46.1	59.3



ITEM NO: UDD006

RAIN WATER OUTLET

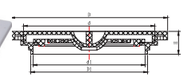
Nom Size	D1	d1	L1	B	H	H1	H2
110	117	110	99.5	4.5	167.5	40.5	211.5



ITEM NO:UDD060

PVC SINK FLOOR DRAIN-M

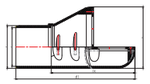
Nom Size	D	d1	D2	d2	L	H
110X75X50	150	135.4	49.72	43.28	63.5	83



ITEM NO:UDD010-3

DRAIN COVER(JIS)

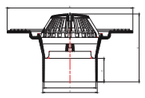
Nom Size	D	d	D1	d1	H
15X15	147.5	123.5	110	105.5	21.5



ITEM NO:UDD057

ROOF FLOOR DRAIN

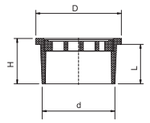
Nom Size	D	d	D1	d1	H
110	110	100	215.5	307	158.47



ITEM NO:UDD039-1

ROOF FLOOR DRAIN,LIGHT TYPE

Nom Size	D	d	D1	d1	H
110	117	110.6	270	50.5	145.93



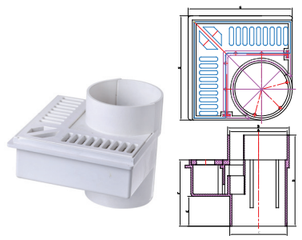
ITEM NO: UDD004

SIMPLE FLOOR DRAIN DIN

Nom Size	D	d	L	H
50	53	45	25	28.5
75	86	69	40	44
110	119	102.4	48	52.5
160	174	143.6	58	70

SIMPLE FLOOR DRAIN BS

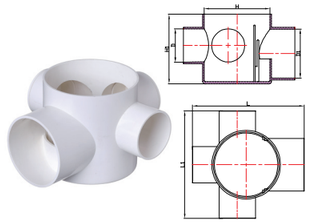
Nom Size	D	d	L	H
2"	53	55.9	24.8	28.5
3"	86	82.6	40	44
4"	119	102.4	48.5	52.5
6"	174	143.6	64	70



ITEM NO: UDD053

SQUARE ANGLE FLOOR DRAIN

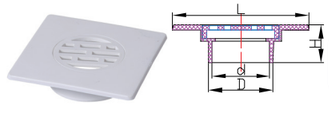
Nom Size	A	B	C	D	E	F	G
110	110.25	118.47	110	175	57	127	200



ITEM NO: UDD050

FLOOR DRAIN (WITH THREE PLUGS)

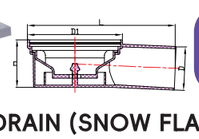
Nom Size	D	D1	H	H1	L	L1
4"X3"X2"	56.4	82.9	111	117.5	188.5	181.5



ITEM NO: UDD052

SMALL FLOOR DRAIN

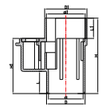
Nom Size	D	d	H	L
1-1/2"	38	34.2	22.3	80.7
2"	50.5	45	20.4	80.7



ITEM NO: UDD049

FLOOR DRAIN (SNOW FLAKE) SHORT TYPE

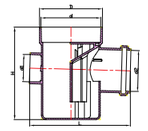
Nom Size	D	d1	H	L
50	50	109.6	54.8	170.57



ITEM NO: UDD037

ANGLE FLOOR DRAIN

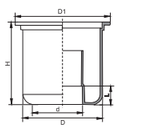
Nom Size	D1	d1	D2	d2	D3	d3	D4	d4	H
80	161.4	154.4	188.8	181.8	118	110	110	103	289.5



ITEM NO: UDD029-2

FLOOR DRAIN IV

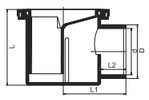
Nom Size	D	d	d1	d2	L	H
110X75X50	116.9	110.9	50.4	76	186.3	171.5



ITEM NO: UDD002

HIGH-DEEP FLOOR DRAIN DIN

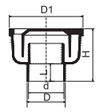
	D	d	L	H	D1
50	99.2	50	25	104.5	119
75	124	75	40	104.5	114.2



ITEM NO: UDD008

JNL FLOOR DRAIN DIN

Nom Size	D	d	L	L1	L2
50	58.3	50	82.2	67.6	27.4

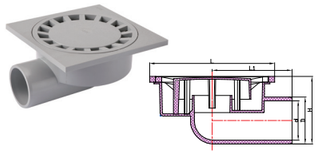


ITEM NO: UDD005

SQUARE FLOOR DRAIN DIN

Nom Size	D	d	L	H	D1
50	54.4	50	25	75	105
110	117	110	48	104.4	182.4

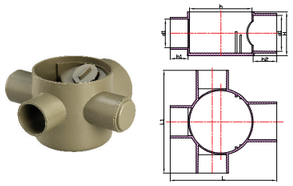
Drainage



ITEM NO: UDD054

MALE FLOOR WITH SIDE OUTLET

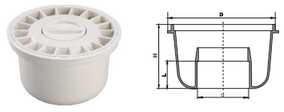
Nom Size	D	d	H	L	L1
75X63	74.9	63.2	107.98	200	128



ITEM NO: UDD055

GULLY TRAP CEYLON TYPE (WITH THREE PLUGS)

Nom Size	d	d1	H	h	h1	h2	L	L1
63X50X50X50	50.3	63.4	77	110.1	31.5	41.35	187.65	181



ITEM NO: UDD001

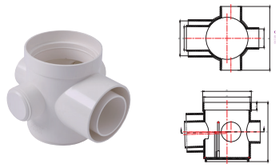
II-FLOOR DRAIN DIN

Nom Size	D	d	L	H
50	108	50	25	67
75	159	75	40	94

ITEM NO: UDD003

BALCONY FLOOR DRAIN DIN

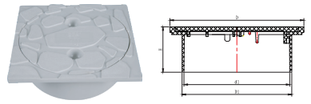
Nom Size	D	d	L	H	D1
50	54.4	50	25	59.5	81.4



ITEM NO:UDD058

NEW JIS FLOOR DRAIN (WITH THREE PLUGS)

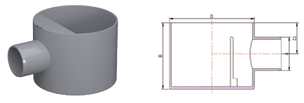
Nom Size	D1	d1	D2	d2	d3	L	H	H1
4"X3"X2"X1-1/2"	120	114	89.45	60.35	48.3	19	146	163.5



ITEM NO:UDD059

PVC FLOOR DRAIN COVER-M

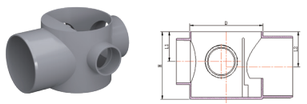
Nom Size	D	D1	d1	H
110	140	114.6	110.6	47.5



ITEM NO:UDD064

JOR FLOOR DRAIN

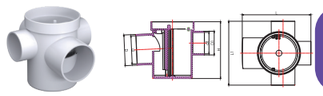
Nom Size	D	d	Z	H
125x50	131.5	50	47	100



ITEM NO:UDD066

JOR FLOOR DRAIN

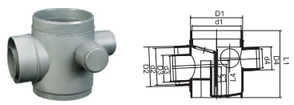
Nom Size	D	D1	H	H1
125x110x75x50	131.5	53	62.5	120



ITEM NO:UDD067

FLOOR DRAIN

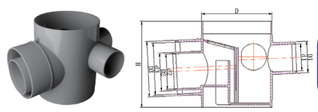
Nom Size	D	d	D1	d1	H	L	L1
110x75x57x57x57x57	82.5	75.5	63.5	57.7	152.4	184.2	171.4



ITEM NO: UDD009

FLOOR DRAIN BS

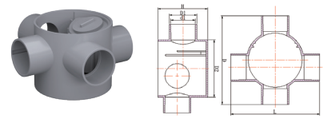
Nom Size	D1	d1	D2	d2	D3	d3	D4	d4	L1	L2	L3	L4
4"X3"X2"X1-1/2"	116.8	110	89	82.6	60.6	55.9	51.5	42.9	150.2	69.44	74.61	93.12



ITEM NO:LUDD009

FLOOR DRAIN TYPE II

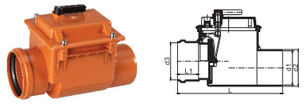
Nom Size	D	D1	d1	D2	d2	D3	d3	H
4x3x2-1-1/2"	114	50.4	43.2	60.8	56.3	89	82.9	138.2



ITEM NO:UDD065

GULLY TRAP DIN STANDARD

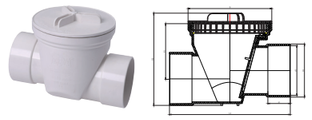
Nom Size	D2	D1	d1	H	D	L
110x50x50x50	117	56.5	50.3	102	180	182.5



ITEM NO: UDD030

DRANAGE NON-RETURN VALVE

Nom Size	d1	d2	d3	L	L1
110	102	110	110.6	306.8	61.3
160	154.2	160	160.6	325.7	74
200	190	200	201	451	84



ITEM NO:UDD061

DRAINAGE NON-RETURN VALVE III

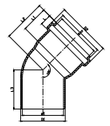
Nom Size	D	D1	d1	L1	L2	H1	H2
110	186.5	118	110.6	50	269	124	205.3

PVC DRAINAGE FITTINGS WITH GASKET

(EN1401)

DRAINAGE

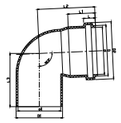
EN1401 EN1329 **PVC DRAINAGE FITTINGS WITH GASKET**



ITEM NO: UDRN001

45°ELBOW M/F

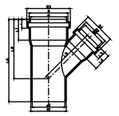
Nom Size	d	d1	D	D1	D2	L	L1	L2	L3
40mm	40.5	36	44.5	40	54	17.43	36.28	55	42.2
50mm	50.5	44	56.5	50	66	18.4	36.5	58.61	53.35
75mm	76	69	82	75	92	18.9	44	72.16	65.53
110mm(long)	111	103	118	110	128.2	24	66	109.78	109.78
110mm(standard)	111.4	103.6	117.8	110	127.6	21.28	51	87.13	85.78
160mm	161	152.8	168.2	160	180.8	26.48	66	113.94	116.14
200mm	201.6	191.6	210	200	225.4	33.16	82	145.95	145.95
250mm	252.7	237.2	264.9	250	286.7	49.3	103.9	181.8	188.7



ITEM NO: UDRN002

90°ELBOW M/F

Nom Size	d	d1	D	D1	D2	L	L1	L2	L3
40mm	40.5	36	44.5	40	54	17.43	36.28	62.87	60
50mm	50.5	44	56.5	50	66	18.4	36.5	72.19	66.93
75mm	76	69	82	75	92	18.9	44	92.53	85.9
110mm	111	103	118	110	128.2	24	71.78	144.4	136.56
160mm	161	152.8	168.2	160	180.8	26.48	66	157.22	159.59
200mm	201.6	191.6	210	200	225.4	33.16	82	197.93	200.64
250mm	252.7	237.2	264.9	250	286.7	49.3	103.9	256.6	249.7



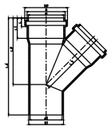
ITEM NO: UDRN004

REDUCING SKEW TEE M/F

Nom Size	d	d1	d2	D	D1	D2	D3	D4	L	L1	L2	L3	L4	L5	L6
75mmX50mm	76	69	50.5	82	75	56.5	92	66	18.9	44	125.37	18.4	43	123.15	174
110mmX50mm	111	103.6	50.5	117.4	110	56.5	127.6	66	21.09	51	150.1	18.4	43	148.19	194
110mmX75mm	111	103.6	76	117.4	110	82	127.6	92	21.09	51	168.17	18.9	44	168.44	230
160mmX110mm	161	152.8	111	168.2	160	117.4	180.8	127.6	26.48	66	233.62	21.09	51	229.09	315
110mmX40mm	111	103.6	40.5	117.4	110	44.5	127.6	54	21.27	51	141.62	17.43	36	141.44	178
200mmX110mm	191.6	201.6	111.4	200	210	117.8	225.4	127.6	33.33	82	280	362	21.09	51.45	270
200mmX160mm	191.6	201.6	161.4	200	210	168.6	225.4	180.8	33.33	82	320	438.5	26.48	66	310
250mmX110mm	252.7	237.2	111.9	264.9	250	118.5	286.7	127.8	49.3	103.9	333.7	21.2	51.5	296	417
250mmX160mm	252.7	237.2	162	264.9	250	169.8	286.7	127.8	49.3	103.9	369	27.1	66.6	339.2	488
250mmX200mm	252.7	237.2	202.3	264.9	250	211.8	286.7	127.8	49.3	103.9	397.3	34.1	82.7	381.8	544

Drainage

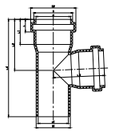
PVC DRAINAGE FITTINGS WITH GASKET EN1401 EN1329



ITEM NO: UDRN003

SKEW TEE M/F

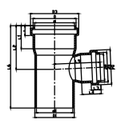
Nom Size	d	d1	D	D1	D2	L	L1	L2	L3	L4
50mmX50mm	50.5	44	56.5	50	66	18.4	36.5	105.12	105.12	159
75mmX75mm	76	69	82	75	92	18.9	44	143.4	143.4	209
110mmX110mm	111	103	118	110	128.2	24	72.5	215.44	215.44	318.5
160mmX160mm	161	152.8	168.2	160	180.8	26.48	66	269.54	269.54	386
200mm	201	191.6	210	200	225.4	33.16	82	342.01	342.01	488.5
250mm	252.7	237.2	264.9	250	286.7	49.3	103.9	432	432	614



ITEM NO: UDRN005

TEE M/F

Nom Size	d	d1	D	D1	D2	L	L1	L2	L3	L4
40mmX40mm	41.5	36	45.5	40	54	17.4	36	65	65	125
50mmX50mm	50.5	46	54.5	50	64	17.5	45.7	79	87.8	159
75mmX75mm	76	69	82	75	92	18.9	44	95.8	95.8	182
110mmX110mm	111	103	118	110	128.2	24	72.5	148.96	142.26	283
160mmX160mm	161	152.8	168.2	160	180.8	26.48	66	164.37	164.37	324
200mmX200mm	201.6	191.6	210	200	225.4	33.16	82	203	205.5	406
250mmX250mm	252.7	244	264.9	250	286.7	49.3	103.9	261.5	261.5	511.5

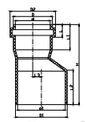


ITEM NO: UDRN006

REDUCING TEE M/F

Nom Size	d	d1	d2	D	D1	D2	D3	D4	L	L1	L2	L3	L4	L5	L6
75mmX50mm	76	69	50.5	82	75	56.5	92	66	18.9	44	83.29	18.4	43	86.88	157
110mmx40mm	111	103.6	40.5	117.4	110	44.5	127.6	54	21.09	51	81.23	17.43	36.28	100	168
110mmX50mm	111	103.6	50.5	117.4	110	56.5	127.6	66	21.09	51	91.82	18.4	43	104.4	178
110mmX75mm	111	103.6	76	117.4	110	82	127.6	92	21.09	51	104.33	18.9	44	113.32	203
160mm×110mm	161	152.8	111	168.2	160	117.4	180.8	127.6	26.48	66	139.35	21.09	51	146.83	274
200mmX110mm	191.6	201.6	111.4	200	210	117.8	225.4	127.6	33.33	82	156	321	21.09	51.45	170
200mmX160mm	191.6	201.6	161.4	200	210	168.6	225.4	180.8	33.33	82	181	371	26.48	66.51	190
250mmX110mm	252.7	237.2	111.9	264.9	250	118.5	286.7	127.8	49.3	103.9	191.4	21.2	51.5	191.7	371
250mmX160mm	252.7	237.2	162	264.9	250	169.8	286.7	182.8	49.3	103.9	216.4	27.1	66.6	211.1	422
250mmX200mm	252.7	237.2	202.3	264.9	250	211.8	286.7	227.2	49.3	103.9	236.5	34.2	82.7	233.7	462

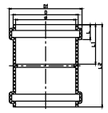
EN1401 EN1329 PVC DRAINAGE FITTINGS WITH GASKET



ITEM NO: UDRN007

REDUCING COUPLING M/F WITH RUBBER

Nom Size	d	d1	D	D1	D2	L	L1	L2	L3	H
75mmX50mm	50.5	69	56.5	75	66	18.4	36.5	50	12.5	116
110mmX50mm	50.5	103.6	56.5	110	66	18.4	36.5	63	30	132
110mmX75mm	76	103.6	82	110	92	18.9	44	63	17.5	145
160mmX110mm	111	152.8	117.4	160	127.6	21.09	51	83	25	181
200mmX110mm	111.9	190.5	118.5	200	127.8	21.2	51.5	107.1	45	232
200mmX160mm	161.4	191.6	168.6	200	180.8	26.7	66	105.2	19.7	224
250mmX200mm	202.3	237.2	211.8	250	227.2	33.9	82.8	130	25	265.8



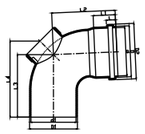
ITEM NO: UDRN008

COUPLING DIN

Nom Size	d	D	D1	L	L1	L2
50mm	50.5	56.5	66	18.4	43	90
75mm	76	82	92	18.9	50	104
110mm	111	118	128.2	24	78.3	160.6
160mm	161	168.2	180.8	26.48	83	172
200mm	201.6	210	225.4	33.16	100	208
250mm	252.7	264.9	286.7	49.3	130.1	270.2

COUPLING BS

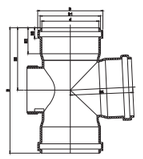
Nom Size	D	d	Z	H
3"	98	84.6	16.5	92



ITEM NO: UDRN009

INSPECTION ELBOW M/F

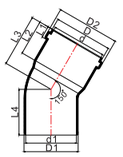
Nom Size	d	d1	D	D1	D2	L	L1	L2	L3	L4
110mm	111	103.6	117.4	110	127.6	21.38	51	146	143.84	175



ITEM NO:UDRN010

DOOR TEE WITH RUBBER

Nom Size	D	D1	d	H	H1	H2	H3	H4
110	127.6	117.4	111	245	122	51	21.1	121.9
160	182.8	169.8	162	333	167	66.6	27.1	166

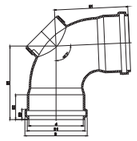


ITEM NO:UDR012

30°ELBOW WITH SINGLE SOCKET RUBBER

Nom Size	D2	D	d	D1	d1	L1	L2	L3	L4
110	128.2	118	111	110	103	24	72.51	107.03	92.83

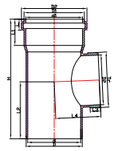
PVC DRAINAGE FITTINGS WITH GASKET EN1401 EN1329



ITEM NO:UDRN011

DOOR ELBOW WITH RUBBER

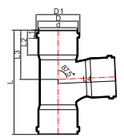
Nom Size	D	D1	d	H1	H2	H3
110	127.6	117.4	111	150	51	21.1
160	182.8	169.8	162	193	66.6	27.1



ITEM NO:UDRN014

INSPECTION PORT M/F

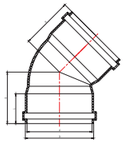
Nom Size	d	d1	d2	D	D1	D2	Tr	H	L	L1	L2	L3	L4
110	103.6	111	97	110	117.4	127.6	107.5	233	21.1	51	110.6	20	88
160	152.8	161	54.5	160	168.2	180.8	164	324	26.5	66	164.4	87.8	125
200	190.2	202	190	200	210.6	225.4	204	406	33.1	85	199	16	137



ITEM NO:UDR015

TEE WITH 3 SOCKET RUBBER DIN

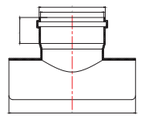
Nom Size	D1	D	d	L1	L2	L3	L4	L
3"BS	98	90.2	84.6	19.5	44	100	101.1	200
110(long)	128.2	118	111	24	72.51	144	169	305
110 (standard)	127.8	118.5	111.9	21.4	51	121.3	121.8	238
160	182.8	169.8	162	27.3	66.6	166	166	333
200	202.2	210.6	225.4	33.1	82	207	206	406



ITEM NO:UDRN016

45˚ELBOW WITH TWO RUBBER RINGS DIN

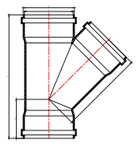
Nom Size	D	d	L	H
3"BS	90.2	84.6	44	77.6
110	116.8	111	51	88
160	169.8	162	66.6	119.6
200	210.6	202.2	82	102.8



ITEM NO:UDRN015

90˚SADDLE BRANCH

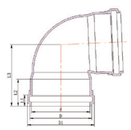
Nom Size	D	d	L	H
200X160	168.2	161	66	322



ITEM NO:UDRN017

SKEW TEE WITH THREE RUBBER RINGS DIN

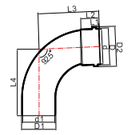
Nom Size	D	d	L	L2	H
3"BS	90.2	84.6	77.8	52.5	230
110	116.8	111	89	193	282
160	169.8	162	120.4	275.6	396



ITEM NO:UDRN018

90˚ ELBOW WITH TWO RUBBER RINGS

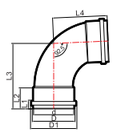
Nom Size	D1	D	d	L1	L2	L3
3"BS	98	90.2	84.6	19.4	44	99.1
110	127.8	118.5	111.9	21.1	51	112
160	182.8	169.8	162	27.3	66.6	163
200	225.4	210.6	202.2	33.1	82	201.5



ITEM NO:UDR014

90˚SWEEP WITH SINGLE SOCKET RUBBER

Nom Size	D2	D	d	D1	d1	L1	L2	L3	L4
110	128.2	118	111	110	103	24	58	194.93	213



ITEM NO:UDR013

90˚SWEEP WITH DOUBLE SOCKET RUBBER DIN

Nom Size	D1	D	d	L1	L2	L3	L4
110	128.2	118	111	24	58	180.94	150.74

PVC PIPES & FITTINGS FOR DRAINAGE

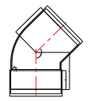
(ISO 3633)

DRAINAGE

Drainage

PVC DRAINAGE FITTINGS

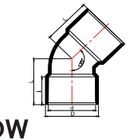
ISO3633 CE



ITEM NO: UDLE02

45° ELBOW M/F

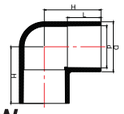
Nom Size	D	d	D1	d1	l	L	L1
32	37	32	32	27	22	20	32.1
40	45	40	40	35	27	24.5	37
50	56.4	50	50	44	31	49.4	48.7
63	69.5	63	63	57	38	60	58
75	81.4	75	75	69	40	70.5	70.5
80	84.9	80	80	74	42.5	75.1	73.6
90	90	90.5	96.7	83.6	46.5	80.4	81.3
100	106.6	100	100	94	48	85.7	80.7
110	117.2	110	110	103.4	48	82.3	81.3
125	132.2	125.6	125	118.4	51.5	94	90
160	168.6	160	160	152	70	112	113.1
200	208.6	200	200	191	75	147.5	138.7



ITEM NO: UDLE03

45°ELBOW

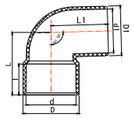
Nom Size	D	d	l	L
32	37	32	22	32
40	45	40	27	39.3
50	56.4	50	31	51.4
63	69.5	63.5	38	56.74
80	84.9	80	45	69.7
90	106.6	90.5	46.5	71
100	96.7	100	48	73
125	132.2	125.6	51.5	86.5



ITEM NO: UDLE01

90° ELBOW

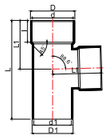
Nom Size	D	d	L	H
32	37	32	22	41.5
40	45	40	27	52.5
50	56.4	50.4	31	62.79
63	69.6	63.6	38	73
75	81.5	75.4	40	87
80	86.5	80	45	110
90	96.7	90.5	46.5	102
100	106.6	100	48	115
110	117.2	110	48	124.6
160	168.6	160	70	170.4



ITEM NO: UDLE04

90°ELBOW M/F

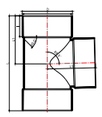
Nom Size	d	D	l	d1	D1	L	L1
32	32	37	22	27	32	39	43.5
40	40	45	27	35	40	49	52
50	50	56.4	31	44	50	62.8	57.2
63	63	69.5	38	57	63	86.2	81.6
75	75	81.4	40	69	75	90.6	92.3
80	80	84.9	42.5	74	80	97.5	96
90	90	96.7	46.5	83.6	90	104	104
100	100	106.6	48	94	100	114.9	112.1
110	110	117.2	48	103.4	110	124.6	124.6
125	125	132.2	51.5	118.4	125	128	128
160	160	168.6	70	152	160	170.4	170.4
200	200	208.6	75	191	200	205	205



ITEM NO: UDLT06

TEE M/F

Nom Size	D	d	D1	d1	l	L1	L
40	45.1	40.3	40	34	27	49.2	105
50	56.4	50	50	44	31	61.5	123.5
63	69.6	63	63	57	38	78.5	157
75	81.5	75	75	69	40	89.7	181
80	84.9	80	80	74	42.5	91	187
90	96.7	90	90	83.6	46.5	107	210.5
100	106.6	100	100	94	48	121.1	237
110	117.2	110	110	103.4	48	113.1	222
125	132.2	125	125	118.4	51.5	138	265
160	168.6	160	160	152	70	161	325
200	208.6	200	200	191.2	74	206	415



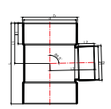
ITEM NO: UDLT04

TEE

Nom Size	D	d	l	L1	L
32	37	32	22	41.3	82.6
40	45	40	27	49.2	49.2
50	56.4	50.4	32	61.5	123
63	69.6	63.6	38	82.5	160
75	81.5	75.4	40	90	180
90	96.7	90.5	46.5	105	210
100	107	100.6	48	112	224
110	117.2	110.6	48.5	117	234
160	168.6	160	70	161.1	318

CE ISO3633

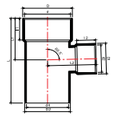
PVC DRAINAGE FITTINGS



ITEM NO: UDLT02

REDUCING TEE

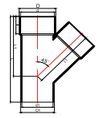
Nom Size	D	d	D1	d1	l1	l2	L1	L2	L
110X63	117.2	110.6	69.6	63.6	48.5	38	94	103.5	186
160X110	168.6	160	117.2	110.6	70	48	135.9	137.3	271.9



ITEM NO: UDLT01

REDUCING TEE M/F

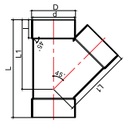
Nom Size	D	d	D1	d1	D2	d2	l1	l2	L1	L2	L
75X50	81.4	75	56.4	50	75	69	40	31	76.5	79.8	156
110X50	117.2	110	56.4	50	110	103.4	48	31	92.1	96.7	191
110X40	117.2	110.6	45	40.3	110	103.4	50	27	83	95.7	158.5
110X75	117.2	110	81.4	75	110	103.4	48	40.5	94.9	103.9	195



ITEM NO: UDLT03

SKEW TEE M/F

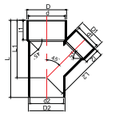
Nom Size	D	d	D1	d1	l	L1	L
40	45.3	40	40	34	27	79	120
50	56.4	50	50	44	31	105.6	135
63	69.6	63	63	57	38	122	199.2
75	81.5	75	75	69	40	139.2	191
80	84.9	80	80	74	42.5	146	222
90	96.7	90.5	96.7	90.5	46.5	169.8	250
100	106.6	100	100	94	48	182	272
110	117.2	100	110	103.4	48	202.2	273.5
125	132.2	125	125	118.4	51.5	209	302
160	168.6	160	160	152	70	269	393
200	208.6	200	200	191.2	74	326	481



ITEM NO: UDLT05

SKEW TEE

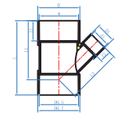
Nom Size	D	d	l	L1	L
32	37	32	22	66.47	97.5
40	45	40	27	75.54	112.5
63	69.6	63.6	38	122.48	174.5
90	96.7	90.5	46.5	160	231
100	107	100.6	48	182	262
160	168.6	160	70	267.3	376



ITEM NO: UDLT07

REDUCING SKEW TEE M/F

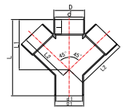
Nom Size	D	d	D1	d1	D2	d2	l1	l2	L1	L2	L
75X50	81.4	75	56.4	50	75	69	40	31	118	112	158.4
80X40	86.5	80	45.3	40	80	74	42.5	27	126.1	117.3	171
80X50	86.5	80	56.4	50	80	74	42.5	31	123	116	173
110X40	117.2	110	45.3	40	110	103.4	48	27	147.8	140	183
110X50	117.2	110	56.4	50	110	103.4	48	31	156	150.7	191
110X75	117.2	110	81.4	75	110	103.4	48	40	173	170	225.5
160X110	168.6	160	117.2	110	160	152	70	48	235.3	223.3	316



ITEM NO: UDLT11

REDUCING SKEW TEE

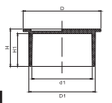
Nom Size	D	d	D1	d1	l1	l2	L1	L2	L
75X63	81.5	75.4	69.6	63.6	40	38	138	138	190
90X40	96.7	90.5	45	40.3	46.5	31	143	135	185
90X50	96.7	90.5	56.4	50.4	46.5	31	143	135	185
90X53	96.7	90.5	69.6	63.6	46.5	38	153	150	204
110X63	117.2	110.6	69.6	63.6	48.5	38	165	162.5	209



ITEM NO: UDLT10

CROSS TEE M/F

Nom Size	D	d	D1	d1	l	L1	L2	L
80	84.9	80	80	74	42.5	146	146	222
110	117.2	110	110	103.4	48.5	191	191	278
110x50	117.2	110.6	110	103.4	48.5	156	150.7	201

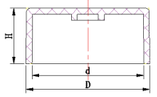


ITEM NO: UDLT09

END CAP M

Nom Size	d1	D1	D	H1	H2
50mm	43.4	50	63	31	36
75mm	68.4	75	88	40.5	46.3
80mm	74	80	90	41.5	47
110mm	103.4	110	124.2	48.5	54.2
160mm	152	159.9	175	70.5	77

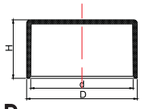
PVC DRAINAGE FITTINGS WITH GASKET EN1401 EN1329



ITEM NO: UDLS04

END CAP TYPE II

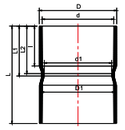
Nom Size	D	d	H
40	44.7	40.3	20
50	55	50.4	20.1
75	80.2	75.4	20.2
110	115.7	110.5	20.4
160	165.9	160.6	20.6



ITEM NO: UDLS01

END CAP

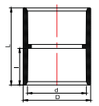
Nom Size	d	D	H
40	40.27	45	30
50	50	56.4	34
75	75	81.4	43
100	107	100.6	51.2
110	110	117.2	51.8
160	160	168.7	74
200	200.6	208.6	78.5



ITEM NO: UDLC01

COUPLING

Nom Size	D	d	D1	d1	I	L1	L2	L
50	56.4	50	53.4	46	31.5	40.9	38.9	79.7
63	69.6	63	60	38	41	79	/	/
75	81.5	75	77	70.8	42	52.5	50	102.5
80	85	80	/	77.0	42.5	/	45.5	88
100	106.6	100	97	48	51	99	/	/
110	117.2	110	110.9	104.6	54.5	66	64	130
125	132.2	125.6	124.9	118.4	50.1	68.5	60.5	129
160	168.6	160	162	154	85	108	94	202



ITEM NO: UDTC01

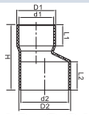
COUPLING

Nom Size	D	d	I	L
32	37	32	22	46.4
40	45	40	27	56.4

ITEM NO: UDLR02

REDUCING COUPLING

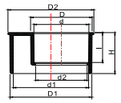
Nom Size	d	D	d1	D1	d2	L	I	
75X50	75	81.4	50	56.4	44	40	31	97
100X50	100	106.6	50	56.4	47	48	31	107.4
100X63	100	106.6	63	69.5	60	48	38	107.8
110X50	110	117.2	50	56.4	47.2	48	31	125
110X75	110	117.2	75	81.4	69	48	40.5	121
160X100	/	/	/	/	/	/	/	/



ITEM NO: UDLT08

REDUCING COUPLING M/F

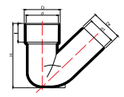
Nom Size	d1	d2	D1	D2	L1	L2	H
50X40	40.3	44	45	50	27	32.1	75
63X50	44	63.5	50	69.5	41.55	38.94	89
75X50	50.3	69	56.3	75	32.2	43	99.5
110X50	50.3	103.4	56.3	110	32.2	48.5	124
110X75	75.3	103.4	81.3	110	40.5	48.5	119.5
110X80	80.5	103.4	84.9	110	42.5	48.5	120



ITEM NO: UDLR01

REDUCING BUSH

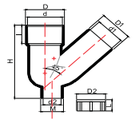
Nom Size	d	D	d1	D1	d2	D2	I	H
40X32	32	36.4	36	40	28.3	47	23	28.5
50X40	34	43.9	55.8	40.3	/	49.9	27	32
63X32	32.4	37.2	56.9	63	28.3	69	23	39.5
63X40	40	45.8	56.9	63	36	69	27	39.5
75X32	32.4	37.3	56.9	63	28.3	69	23	43
75X40	40.3	37.3	69	75	39.9	78.7	27	43
75X50	50	56.4	69	75	47.2	78.7	25	42.5
80X40	40	45.8	73.9	80	36	86	27	44
80X50	50	56.4	73.9	80	47.2	86	31	44
80X63	63	69.5	73.9	80	59	86	38	44
90x63	63.49	69.5	93.9	99.9	61	38	48	50
100X40	40	46.3	94	100	34	107	27	50
100X50	50	50.4	107	93.9	/	99.9	31	48
100X63	50	63.5	107	93.9	/	99.9	38	48
100X75	75.4	81.5	93.9	100	72.2	107	40.5	50
100X80	80	86.4	94	100	74	107	42.5	50
110x40	40.3	46.26	103.3	109.9	36	117	27	50.5
110X50	50	56.4	103.4	110	47.2	113.9	25	50.5
110x63	63.5	69.96	103.3	109.9	59	117	38	50.5
110X75	75	81.8	103.4	110	72.2	113.7	40	50.5
110X80	80	86.3	103.4	110	74	117	42.5	53.5
110X100	100.5	110.3	103.3	110	94	/	47	51
125X110	110	117	118.3	125	103.4	132	48.5	72.2
160X110	110	117.9	152	160	105.9	165	48	72
160X125	125	132	152	160	118.4	169	51.5	76
200X110	110	117.2	191.9	200	103.4	207	48	76.5
200X160	160	168.6	192	200	153	207	51.5	76.5



ITEM NO: UDLS03

SINGLE SOCKET TRAP (NO PORT)

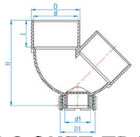
Nom Size	d	D	H	I	d1	D1
50mm	50	56.4	106	31	44	50
63mm	63.5	69.5	111	38	57	63
75mm	75	81.4	161	40	69	75
80mm	80.5	84.9	133.1	42.5	74	80
110mm	110	117.2	218	48	103.4	110



ITEM NO: UDLS02

SINGLE SOCKET TRAP (WITH PORT)

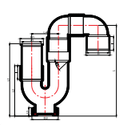
Nom Size	d	D	d1	D1	I	H	d2	M	D2	L
50mm	50	56.4	44	50	31	123	26	M33x2	42	19



ITEM NO: UDLS05

DOUBLE SOCKET TRAP(WITH PORT)

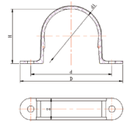
Nom Size	d	D	H	I	d1	D1
60mm	63.5	69.5	121.3	38	37	49.5
80mm	80.5	84.9	142.9	42.5	49.8	65



ITEM NO: UDTS01

II S-TRAP

Nom Size	D	d	D1	d1	D2	I	L1	L2	L3	L4	L
32	37	37	38.1	26.2	49.2	22	122.2	90.7	16.5	43	160.2
40	45	45	43.6	35.3	49.2	27	141.9	99	16.5	50	177.9



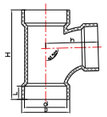
ITEM NO: UDLS06

U CLIP

Nom Size	D	d	d1	Z	H
40	76	60	40.2	16	40.3
50	94	74	50.2	20	50.2
75	136	112	75.2	24	75.2
110	176	146	110.2	30	110.3

PVC DWV FITTINGS
(ASTM D2665)

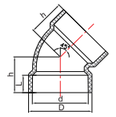
DRAINAGE



ITEM NO: UDA001

TEE

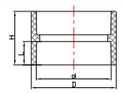
Nom Size	D	d	L	H	h
1-1/2"	56.76	48.26	17.6	109.3	63.2
2"	68.83	60.33	19.2	130	75
3"	100.73	88.9	38.2	199.8	115
4"	127.7	114.3	44.6	247	139.5
6"	183.28	168.8	76.5	380	205



ITEM NO: UDA003

45˚ELBOW

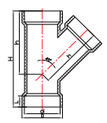
Nom Size	D	d	L	H
1-1/2"	56.76	48.26	17.6	35.3
2"	68.83	60.33	19.2	39.4
3"	100.73	88.9	38.2	66.57
4"	127.7	114.3	44.6	79.35
6"	183.28	168.8	76.5	125



ITEM NO: UDA005

COUPLING

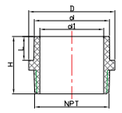
Nom Size	D	d	L	H
1-1/2"	56.76	48.26	17.6	40
2"	68.83	60.33	19.2	44
3"	100.73	88.9	38.2	82.6
4"	127.7	114.3	44.6	95.8
6"	183.28	168.8	76.5	159



ITEM NO: UDA002

Y TEE

Nom Size	D	d	L	H	h
1"	38.43	33.69	29.73	110	73
1-1/2"	56.76	48.26	17.6	138.8	90.8
2"	68.83	60.33	19.2	165.8	109.3
3"	100.73	88.9	38.2	241	165.2
4"	127.7	114.3	44.6	298.4	205.4
6"	183.28	168.8	76.5	443	306



ITEM NO: UDA007

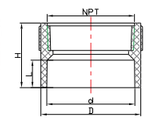
MALE ADAPTOR SPG x MIPT

Nom Size	D	d	d1	L	H	NPT
1-1/2"	56.76	48.26	39.99	17.7	42.3	1-1/2"
2"	68.83	60.33	52.05	19.3	46.5	2"
3"	100.73	88.9	77.38	38.3	78	3"
4"	127.7	114.3	101.2	44.7	87.4	4"

ITEM NO: UDA004

90˚ELBOW

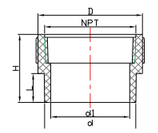
Nom Size	D	d	L	H
1-1/2"	56.76	48.26	17.6	35.3
2"	68.83	60.33	19.2	39.4
3"	100.73	88.9	38.2	66.57
4"	127.7	114.3	44.6	79.35
6"	183.28	168.8	76.5	205



ITEM NO: UDA006

FEMALE ADAPTOR SLIP x FIPT

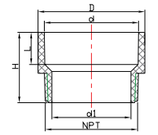
Nom Size	D	d	L	H	NPT
1-1/2"	56.76	48.26	17.6	42.3	1-1/2"
2"	68.83	60.33	19.2	45.2	2"
3"	100.73	88.9	38.2	76.4	3"
4"	127.7	114.3	44.6	85.2	4"



ITEM NO: UDA009

FEMALE ADAPTOR SPG x FIPT

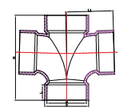
Nom Size	D	d	d1	L	H	NPT
1-1/2"	56.76	48.26	39.99	17.7	41.5	1-1/2"
2"	68.83	60.33	52.05	19.3	45.5	2"
3"	100.73	88.9	77.38	38.3	73.5	3"
4"	127.7	114.3	101.2	44.7	82.8	4"
6"	247.2	168	156	75	120	6"



ITEM NO: UDA008

MALE ADAPTOR SLIP x MIPT

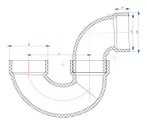
Nom Size	D	d	d1	L	H	NPT
1-1/2"	56.76	48.26	39.99	17.6	40.5	1-1/2"
2"	68.83	60.33	51	19.2	46	2"
3"	100.73	88.9	77.38	38.2	80	3"
4"	127.7	114.3	101.2	44.6	87.8	4"



ITEM NO: UDA019

PLANE CROSS

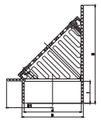
Nom Size	D	d	H	L	L1
4"	127.7	114.8	247	44.6	137.7



ITEM NO: DSCH003

S-TRAP

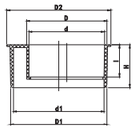
Nom Size	D	D1	d1	H	L
1-1/2"	56.76	56.76	48.64	17.6	88.5
2"	66.2	69	60.6	19.6	107.8



ITEM NO: UDA010

RAIN WATER OUTLET ASTM D2665

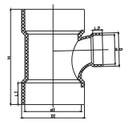
Nom Size	D	d	H1	H	I
4"	113.5	107	97.25	167.5	18



ITEM NO: UDA011

REDUCING BUSH

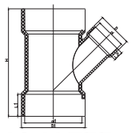
Nom Size	D1	d1	D	d	D2	I	H
4"X2"	114.1		104.1	60.71	122.8	44.6	51.1
4"X3"	114.1	107.5	95.4	89.4	122.8	38.2	51
6"X4"	168	154	127.69	114.79	178	44.1	83.5



ITEM NO: UDA012

REDUCING TEE

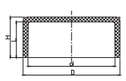
Nom Size	D1	d1	D	d	L1	L2	H
4"X2"	127.7	114.8	68.83	60.71	44.6	19.2	196



ITEM NO: UDA013

REDUCING Y TEE

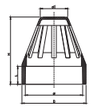
Nom Size	D1	d1	D	d	L1	L2	H
4"X2"	127.7	114.8	68.83	60.71	44.6	19.2	218



ITEM NO: UDA014

END CAP

Nom Size	D	d	L	H
4"	127.7	114.8	47.6	54.05



ITEM NO: UDA015

VENT CAP

Nom Size	D	d	L	H	d1
2"	67.8	60.71	19.2	72	29
3"	96.4	89.41	38.2	93.9	45
4"	120.8	114.8	32.5	102	84

ITEM NO: UDA016

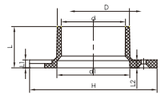
NON-RETURN VALVE

Nom Size	D	H	L	L1	D1
3"	89.4	188	39.6	99.8	148.8
4"	114.8	246	46.9	122.6	177.8
6"	168.8	349	75.17	184.5	253.2

ITEM NO: UDA017

90˚ELBOW M/F

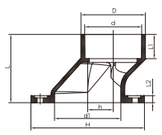
Nom Size	D	d	D1	d1	L1	L2	H
4"	114.5	104.5	125	114.83	51	108.5	110.5



ITEM NO: UDA020

UDA020 TOILET FLANGE

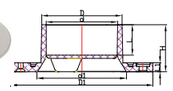
Nom Size	d	d1	D	L	L1	L2	H
4"X3"	89.4	101.5	100.5	57.5	11	10	177.5
4"X4"	114.8	114.1	128	50	11	0	177.5



ITEM NO: UDA022

UDA022 TOILET FLANGE OFF SET

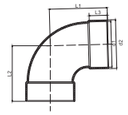
Nom Size	d	d1	D	L	L1	L2	h	H
4"X3"	89.4	104	101	107	38	11	40	178



ITEM NO: UDA018

TOILET FLANGE

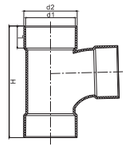
Nom Size	D	d	D1	d1	L	L1	H
4"X3"	100.75	89.4	178	112	38.2	11.5	59



ITEM NO: DSCH002

90˚ ELBOW

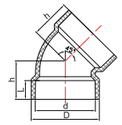
Nom Size	d1	d2	L1	L2	L3
2"	60.7	67.7	63.3	63.3	19.5
3"	89.4	96.4	118.6	118.6	40.3
4"	114.8	122	143	143	45



ITEM NO: DSCH001

TEE

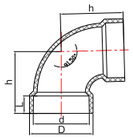
Nom Size	d1	d2	L	H
3"	89.4	96.4	40.3	204



ITEM NO: UDA026

45˚ELBOW (Heavy)

Nom Size	D	d	L	h
1-1/2"	56.7	48.6	18	47
2"	68.8	60.7	19.5	57.5
3"	100.7	89.4	38.6	82.6
4"	127.7	114.8	45	101

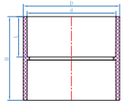


ITEM NO: UDA025

90˚ELBOW (Heavy)

Nom Size	D	d	L	h
1-1/2"	56.7	48.6	18	48.6
2"	68.8	60.7	19.5	60.7
3"	100.7	89.4	38.6	89.4
4"	127.7	114.8	45	114.8

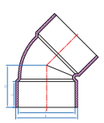
Drainage



ITEM NO: UDAL005

COUPLING

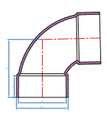
Nom Size	D	d	L	H
1-1/2"	52.9	48.64	17.6	40
2"	66.3	60.71	19.2	44
3"	95.21	89.41	38.2	82.6
4"	120.8	114.8	44.6	95.8
6"	175.4	168.8	76.5	160



ITEM NO: UDAL003

45°ELBOW

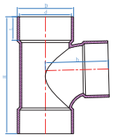
Nom Size	D	d	L	H
1-1/2"	52.9	48.64	17.6	33.3
2"	66.3	60.71	19.2	39.4
3"	95.21	89.41	38.2	66.57
4"	120.8	114.8	44.6	79.35
6"	175.4	168.8	76.5	121.34



ITEM NO: UDAL004

90°ELBOW

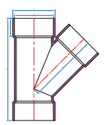
Nom Size	D	d	L	H
1-1/2"	52.9	48.64	17.6	57
2"	66.3	60.71	19.2	68
3"	95.21	89.41	38.2	106
4"	120.8	114.8	44.6	128
6"	175.8	168.8	76.5	184



ITEM NO: UDAL001

TEE

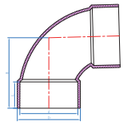
Nom Size	D	d	L	H	h
1-1/2"	52.9	48.64	17.6	104	57
2"	66.3	60.71	19.2	125	68
3"	95.21	89.41	38.2	196	106
4"	120.8	114.8	44.6	238	128
6"	175.8	168.8	76.5	348	184



ITEM NO: UDAL002

Y TEE

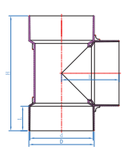
Nom Size	D	d	L	H	h
1-1/2"	52.9	48.64	17.6	112.6	82.06
2"	66.3	60.71	19.2	135.5	100.05
3"	95.21	89.41	38.2	241.5	153.97
4"	120.8	114.8	44.6	264.2	191.31
6"	175.8	168.8	76.5	410	291



ITEM NO: UDAL006

VENT 90°ELBOW

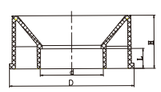
Nom Size	D	d	L	H
2"	64.7	60.7	19.2	54.28
3"	93.01	89.41	38.2	85.4
4"	118.8	114.8	44.6	104.5



ITEM NO: UDAL007

VENT TEE

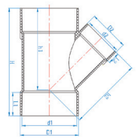
Nom Size	D	d	L	H	h
3"	93.01	89.41	38.2	170.8	85.4
4"	118.8	114.8	44.6	209	104.5



ITEM NO: UDAL009

REDUCING RING

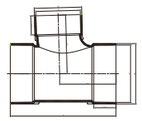
Nom Size	d	D	L	H
3"X1-1/2"	48.64	95	17.6	43.2
3"X2"	60.71	95	19.2	43.2
4"X2"	60.71	120	19.2	51.1
4"X3"	89.41	120	38.2	51.1
6"X4"	114.8	176	44.6	83.5



ITEM NO: UDAL010

Y REDUCING TEE

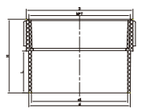
Nom Size	D1	d1	L1	h1	D2	d2	L2	h2	H
3"X2"	95.21	89.4	38.2	133.5	66.3	60.71	19.2	120.5	176
4"X2"	120.8	114.8	44.6	154	66.2	60.71	19.2	140	191
4"X4"	120.8	114.8	44.6	173.2	95.2	89.41	38.2	172.1	232



ITEM NO: UDAL011

REDUCING TEE

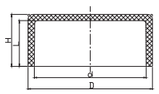
Nom Size	D1	d1	L1	h1	D2	d2	L2	h2	H
3"X2"	95.2	89.4	38.2	86.8	66.3	60.7	19.2	81.76	162
4"X2"	120.8	114.8	44.6	93.7	66.3	60.7	19.2	81.76	162
4"X3"	120.8	114.8	44.6	113	95.2	89.4	38.2	117.5	176.4



ITEM NO: UDAL012

FEMALE ADAPTOR SPG x FIPT+PLUG

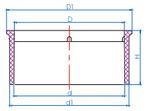
Nom Size	D	d	d1	L	H	NPT
2"	65.7	61.1	55.1	23.6	45.5	2"
3"	94.5	88.8	83.2	38.7	71.5	3"
4"	120.1	114	108.2	47.1	82.8	4"
6"	175.4	168.2	161.3	76.7	120	6"



ITEM NO: UDAL008

END CAP

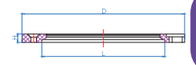
Nom Size	d	D	L	H
2"	60.71	66.3	19.55	21.3
3"	89.41	95	24.15	26
4"	114.8	121	25.8	27.9
6"	175.8	168.8	80	83.5



ITEM NO: UDAL021

TOILET FLANGE

Nom Size	d	d1	D	D1	H
4"	114.8	123.5	113.9	129.9	56



ITEM NO: UDAL020

TOILET FLANGE

Nom Size	D	L	H
4"	177.3	134	9.1

Drainage

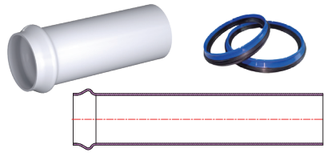
PVC DWV FITTINGS
(AS/NZS1260)

DRAINAGE

ITEM NO: AUD001

PIPES

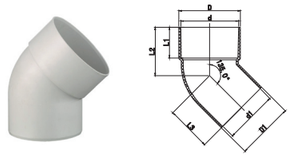
Nom Size	Outer Dia	Wall Thickness	Pressure
32	36.2	1.9	SN6
40	42.8	2.00	SN6
50	55.7	2.20	SN6
65	68.7	2.70	SN6
80	83.2	2.90	SN6
100	110	3.00	SN6
150	160	5.00	SN8



ITEM NO: AUDR001

PIPES WITH RRJ

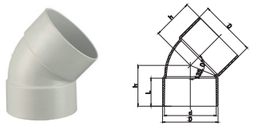
Nom Size	Outer Dia	Wall Thickness	Pressure
100	110.4	3.2	SN16
150	160.5	6.4	SN16



ITEM NO: AUDE06

45˚BEND M/F

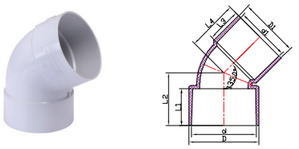
Nom Size	D	d	L1	L2	L3	D1	d1
40	47.8	43.4	27.5	43	39	43	38.2
50	61.1	56.3	30.5	49	45	56	51
65	74.6	69.4	38.5	60	56	69	63.6
80	88.8	83.2	44.5	70	65	82.5	76.5
100	116.7	110.9	50.5	82	82	110	103.8



ITEM NO: AUDE03

45˚BEND F/F

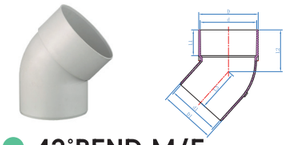
Nom Size	D	d	L	h
32	40.8	36.8	24.5	33.3
40	47.8	43.4	27.5	39
50	61.1	56.3	30.5	45
65	74.6	69.4	38.5	56
80	88.8	83.2	44.5	65
100	116.7	110.9	50.5	77
150	168.5	160.9	77	136



ITEM NO: AUDE08

45° REDUCING BEND

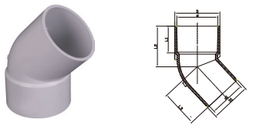
Nom Size	D	d	L1	L2	L3	L4	D1	d1
50X40	56	51.65	29.5	42.17	27.5	40.59	47.8	43.4



ITEM NO: AUDE021

42˚BEND M/F

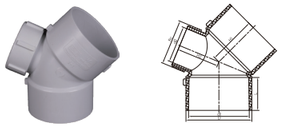
Nom Size	D	d	L1	L2	L3	D1	d1
100	116.7	110.9	50.5	82	82	110	103.8



ITEM NO: AUDE028

43˚BEND M/F

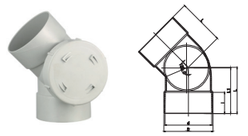
Nom Size	D	d	L1	L2	L3	D1	d1
40	47.8	43.4	27.5	43	39	43	38.2
50	61.1	56.3	30.5	49	45	56	51



ITEM NO: AUDE022

45°BEND WITH OPENNING F/F

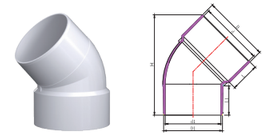
Nom Size	d1	D	d2	Rc	L	H1	H2
50	56.3	61.1	34	1-1/4"	30.5	45	39.3



ITEM NO: AUDE05

45˚BEND SIDE ACCESS F/F

Nom Size	D	d	L	I	L1
100	116.7	110.9	110	50.5	108.26

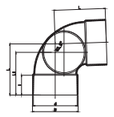


ITEM NO: AUD036

45°ELBOW M/F INTO PIPE

Nom Size	D	D1	D	D1	L	L1	H
100	116.7	102.7	110.9	97.1	50.5	51	175.1

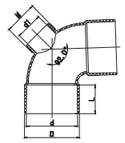
Drainage



ITEM NO: AUDE04

88°BEND SIDE ACCESS F/F

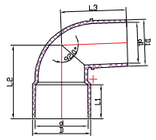
Nom Size	D	d	L	I	L1
100	116.7	110.9	130	50.5	108.52



ITEM NO: AUDE02

88°BEND REAR ACCESS F/F

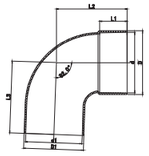
Nom Size	D	d	d1	L	M
40	47.8	43.4	25	27.5	33
50	61.1	56.3	37	30.5	45
65	74.6	69.4	36.6	38.5	45
100	116.7	110.9	112	50.5	125



ITEM NO: AUDE07

90° BEND M/F

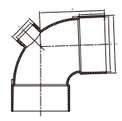
Nom Size	D	d	L1	L2	L3	D1	d1
40	47.8	43.4	27.5	60.09	54	37.9	33.5
50	61.1	56.3	30.5	68.27	64	50.2	44.2



ITEM NO: AUDE010

88°BEND M/F

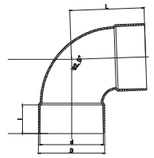
Nom Size	D	d	L1	L2	L3	D1	d1
40	47.8	43.4	27.5	52	52	43	38.2
50	61.1	56.3	30.5	62	64	56	51
65	74.6	69.4	38.5	88	97	69	63.6
100	116.7	110.9	50.5	130	132	110	103.8



ITEM NO: AUDE023

88°BEND WITH OPENNING F/F

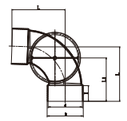
Nom Size	d1	D1	d2	Tr	L	H
100	110.9	116.7	40.2	50X5	50.5	130



ITEM NO: AUDE01

88°BEND F/F

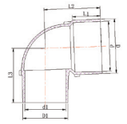
Nom Size	D	d	L	I
32	40.8	36.8	48	24.5
40	47.8	43.4	60	27.5
50	61.6	56.3	71	30.5
65	74.6	69.4	99	38.5
80	88.8	83.2	103	44.5
100	116.7	110.9	130	50.5
150	172.5	160.9	225.3	77



ITEM NO: AUDT023

88°SIDE ACCESS ELBOW RIGHT BIG WHEEL F/F

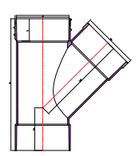
Nom Size	D	d	L	I	L1
100	116.7	110.9	175.8	50.5	140.1



ITEM NO: AUD008

PUSHFIT ELBOW 40MM X 15 DEGREES

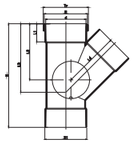
Nom Size	D	d	L1	L2	L3	D1	d1
50	61.1	56.3	31.1	62.5	61	50.3	45.7



ITEM NO: AUDT013

45° JUNCTION

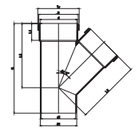
Nom Size	D	d	Tr	H	L	L1	L2
150	168.5	160.9	174.5	412	77	130.54	281.32



ITEM NO: AUDT05

45°SIDE ACCESS JUNCTION RIGHT F/F

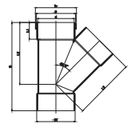
Nom Size	D	d	D1	Tr	L1	L2	L3	L4	H
100	119	110.9	116.7	125	50.5	134	188	134	268



ITEM NO: AUDT02

45°JUNCTION THREAD M/F

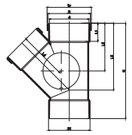
Nom Size	D	d	D1	d1	Tr	L1	L2	H
100	119	110.9	110	103.8	125	50.5	193	270



ITEM NO: AUDT03

45°JUNCTION F/F

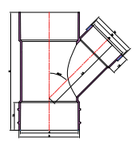
Nom Size	D	d	D1	Tr	L1	L2	H
100	119	110.9	116.7	125	50.5	188	268



ITEM NO: AUDT04

45°SIDE ACCESS JUNCTION LEFT F/F

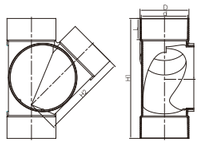
Nom Size	D	d	D1	Tr	L1	L2	L3	L4	H
100	119	110.9	116.7	125	50.5	156	190	156	287.5



ITEM NO: AUDT011

REDUCING TEE

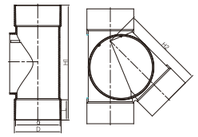
Nom Size	D	d	D1	d1	L1	L2	L3	L4	Tr
150X100	168.5	160.9	120	110.9	77	50.5	228.22	328	124



ITEM NO: AUDT021

45°SIDE ACCESS JUNCTION RIGHT BIG WHEEL F/F

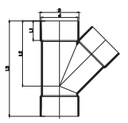
Nom Size	d	D	L	H1	H2
100	110.9	116.7	50.5	286	206



ITEM NO: AUDT022

45°SIDE ACCESS JUNCTION LEFT BIG WHEEL F/F

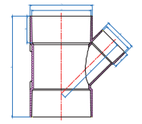
Nom Size	d	D	L	H1	H2
100	110.9	116.7	50.5	286	206



ITEM NO: AUDT06

45°JUNCTION F/F

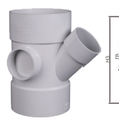
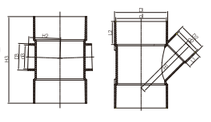
Nom Size	D	d	L1	L2	L3
32	40.8	36.8	24.5	71	105
40	47.8	43.4	44.5	81.6	126
50	61.1	56.3	30.5	101.5	146
65	74.6	69.4	38.5	124.2	180
80	88.8	83.2	44.5	149	217.5
100	116.7	110.9	50.5	188	268



ITEM NO: AUDT016

45° JUNCTION

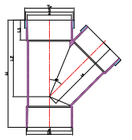
Nom Size	D	d	D1	d1	L1	L2	L3	L4
100X50	61.1	56.3	116.7	110.9	190	50.5	139.1	30.5
100X65	74.6	69.4	116.7	110.9	212	50.5	155.22	38.5

ITEM NO: AUDT020

JUNCTION WITH PORT

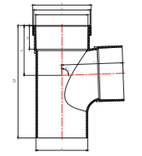
Nom Size	d1	D1	d2	D2	L1	L2	H1	d3	D3	H2	H3
100X50	110.9	116.7	56.3	61.1	30.5	50.5	139.1	52.4	58.4	70	190



ITEM NO: AUDT010

JUNCTION THREAD F/F

Nom Size	D	d	D1	H	Tr	L1	L2
100	119.6	110.9	116.7	270	124.2	50.5	193

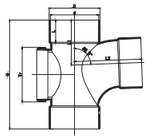


ITEM NO: AUDT014

88° PLAIN JUNCTION M/F

Nom Size	D	d	Tr	H	L	L1	L2	L3
100X88	119.6	110.9	124.2	50.5	106	130	239	110

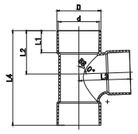
Drainage



ITEM NO: AUDT07

88°SIDE ACCESS JUNCTION F/F

Nom Size	D	d	Tr	L1	L2	L	H
100	116.7	110.9	125	102.8	154.5	50.5	250.3



ITEM NO: AUDT01

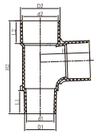
88°JUNCTION F/F

Nom Size	D	d	L1	L2	L3	L4
32	40.8	36.8	24.5	48	48	96
40	47.8	43.4	27.5	50	60	110
50	61.1	56.3	30.5	60	71	131
65	74.6	69.4	38.5	73	99	172
80	88.8	83.2	44.5	84.5	116.5	201
100	116.7	110.9	50.5	102.8	154.5	250.3

ITEM NO: AUDT018

88°SIDE SMALL ACCESS JUNCTION F/F

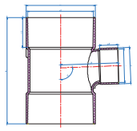
Nom Size	d1	D1	d2	Tr	L1	L2	H1	H2	H3	H4	H5
100	110.9	116.7	40.2	50X5	50.5	17.5	106	133	130	239	102.5



ITEM NO: AUDT019

SLAB JUNCTION 88DEGREE PLAIN

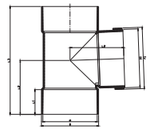
Nom Size	d1	D1	d2	D2	L1	L2	H1	H2
40	33.1	37.9	43.4	47.8	28	27.5	60	112.4
50	45.3	50.3	56.3	61.6	33	30.5	71	133



ITEM NO: AUDT015

88° JUNCTION

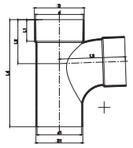
Nom Size	D	d	D1	d1	L1	L2	L3	L4
100X50	61.1	56.3	116.7	110.9	180	50.5	97.42	30.5



ITEM NO: AUDI03

INSPECTION TEST OPENING WITH ONE SOCKET THREAD F/F

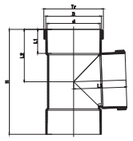
Nom Size	D	d	Tr	L1	L2	L3	D1
100	116.7	110.9	125	50.5	110	220	119



ITEM NO: AUDT09

88°JUNCTION M/F

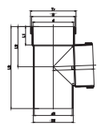
Nom Size	D	d	L1	L2	L3	L4	d1	D1
100	116.7	110.9	50.5	102.8	154.5	250.3	103.8	110



ITEM NO: AUDI01

INSPECTION TEST OPENING F/F

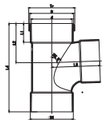
Nom Size	D	d	Tr	L1	L2	H
100	116.7	110.9	125	50.5	110	220



ITEM NO: AUDI02

INSPECTION TEST OPENING M/F

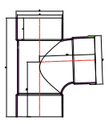
Nom Size	D	d	Tr	L1	L2	L3	D1	d1
100	119	110.9	125	50.5	110	225	110	103.8



ITEM NO: AUDT08

88°PLAIN JUNCTION F/F

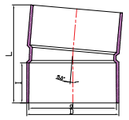
Nom Size	D	d	Tr	L1	L2	L3	L4	D1
100	119	110.9	125	50.5	106	130	239	116.7



ITEM NO: AUDT012

88° JUNCTION

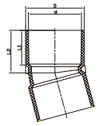
Nom Size	D	d	Tr	H	L	L1	L2
150	168.5	160.9	174.5	355	77	197	200



ITEM NO: AUDE09

5° BEND

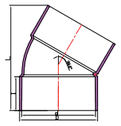
Nom Size	D	d	L	l
100	116.7	110.9	123.86	50.5



ITEM NO: AUDE011

15° BEND

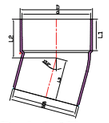
Nom Size	D	d	L	l
40	47.8	43.4	28.24	34.7
50	61.1	56.3	31.19	38.6
100	116.7	110.9	140.90	50.5



ITEM NO: AUDE012

30° BEND

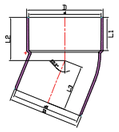
Nom Size	D	d	L	l
100	116.7	110.9	157.93	50.5



ITEM NO: AUDE013

15° BEND M/F

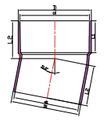
Nom Size	D	d	L1	L2	L3	D1	d1
100	116.7	110.9	50.5	62.4	65.76	110	103.8



ITEM NO: AUDE014

22° BEND M/F

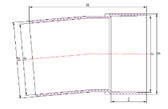
Nom Size	D	d	L1	L2	L3	D1	d1
100	116.7	110.9	50.5	66	69.43	110	103.8



ITEM NO: AUDE015

11° BEND M/F

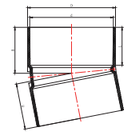
Nom Size	D	d	L1	L2	L3	D1	d1
100	116.7	110.9	50.5	60	64.24	110	103.8



ITEM NO: AUD035

5°BEND M/F

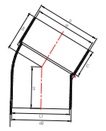
Nom Size	D	d	D1	d1	Z	H
100	116.7	110.9	110	103.8	50.5	168.3



ITEM NO: AUDE017

11° BEND F/F

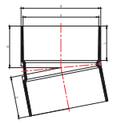
Nom Size	D	d	L	H
100	116.7	110.9	50.5	61



ITEM NO: AUDE018

30° BEND M/F

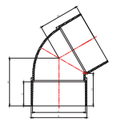
Nom Size	D	d1	d2	L1	L2	H1	H2
100	116.7	110.9	110	103.8	50.5	75.06	70.29



ITEM NO: AUDE019

22° BEND F/F

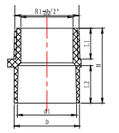
Nom Size	D	d	L	H
100	116.7	110.9	50.5	66



ITEM NO: AUDE016

60° BEND F/F

Nom Size	D	d	L1	L2	H1	H2
100	116.7	110.9	50.5	68.21	100.23	85.47

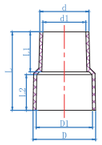


ITEM NO: AUD025

ADAPTOR MALE IRON

Nom Size	D	d1	d2	R	L1	L2	H
40	47.8	43.4	40.1	1-1/2"	22.5	27.5	55
50	96.4	56.3	51	2"	24	27.5	59

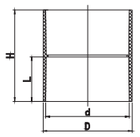
Drainage



ITEM NO: AUD031

PAN CONNECTORS 40MM OFFSET

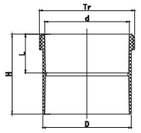
Nom Size	D	D1	d	d1	L	L1	L2
40	48.2	43.4	37.9	33.1	60.5	30.8	27.5



ITEM NO: AUDC02

COUPLING F/F

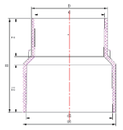
Nom Size	D	d	L	H
32	40.8	36.8	24.5	51.5
40	48.2	43.4	27.5	57
50	61.1	56.3	30.5	63
80	88.8	83.2	44.5	91
65	74.6	69.4	38.5	79
100	116.7	110.9	50.5	104
150	168.5	160.9	77	159.2



ITEM NO: AUDC01

ACCESS COUPLING

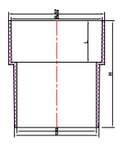
Nom Size	D	Tr	d	L	H
100	116.7	125	110.9	50.5	105
150	168.5	174	160.9	77	159.2



ITEM NO: AUD033

DWV PVC WEATHERING APRON

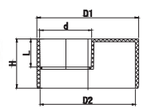
Nom Size	D	d	D1	d1	Z	Z1	H
50	61.1	56.3	74.6	69.4	30.5	38.5	75.5



ITEM NO: AUDR04

REDUCING COUPLING M/F

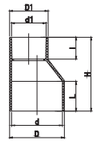
Nom Size	D	d	D1	d1	H	L
100	102.7	96.5	116.7	110.9	130	50.5



ITEM NO: AUDR01

SOCKET REDUCER

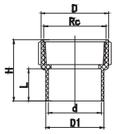
Nom Size	D1	D2	d	L	H
40X32	42.8	36.8	37.6	4	30.5
50X40	56	51	43.4	27.5	30.5
65X40	69	63.6	43.4	27.5	41.5
65X50	69	63.6	56.3	30.5	41.5
80X50	82.5	76.5	56.3	30.5	47
80X65	82.5	76.5	69.4	38.5	47
100X40	110	103.8	43.4	27.5	53.5
100X65	110	103.8	69.4	27.5	53.5
100X50	110	103.8	56.3	30.5	53.5
100X80	110	103.8	83.2	44.5	53.5
150X100	160.3	151.8	110.9	50.5	80



ITEM NO: AUDR02

LEVEL INVERT TAPER M/F

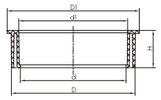
Nom Size	D	d	l	L	H	D1	d1
50X40	56	51	27.5	29.44	66	48.4	43.4
65X40	69	63.6	27.5	37.57	93	48.4	43.4
65X50	69	63.6	30.5	37.57	79	61.7	56.3
80X50	82.5	76.5	30.5	44.63	108	61.1	56.3
80X65	82.5	76.5	38.5	44.24	125	75.1	69.4
100X65	110	103.8	38.5	49.18	124	74.9	69.4
100X50	110	103.8	30.5	48.88	115.7	61.1	56.3
100X80	110	103.8	44.5	49.62	130	88.8	83.2
150X100	160	151.8	50.5	98.3	210	118.5	110.9



ITEM NO: AUD023

ADAPTOR FEMALE IRON

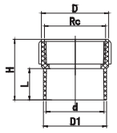
Nom Size	D	D1	Rc	d	H	L
40	53	43	G1-1/2	38.2	52.5	28
50	65	56	2"	51	59	59



ITEM NO: ASPR01

IN PIPE REDUCER M/F

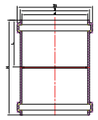
Nom Size	D	d	D1	d1	H
100X90	102.9	88	110	90.6	31



ITEM NO: AUD030

CONNECTOR FEMALE IRON

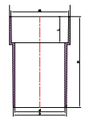
Nom Size	D	D1	Rc	d	H	L
40	53	47.8	1 1/2	43.4	50	27.5
50	65	61.1	2	56.3	59	30.5



ITEM NO: AUDC03

COUPLING WITH RUBBER

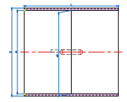
Nom Size	D	d	L	H	D1
100	117.3	111	78.9	160	127.4
150	169.2	161	116.5	236	181.8
200	210.6	202.2	100	200	225.4



ITEM NO: AUDC04

LONG COUPLING

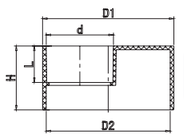
Nom Size	D	d	D1	d1	H	L
100	102.7	96.5	116.7	110.9	175	50.5



ITEM NO: AUDC07

SLIP COUPLING

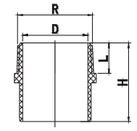
Nom Size	D	d	d1	L
100	117	111.1	110.8	125



ITEM NO: AUDR03

PIPE REDUCER M/F

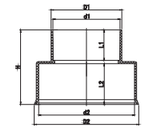
Nom Size	D1	D2	d	L	H
40X32	43.1	37.6	36.8	24.5	30.5
50X40	57.5	43.4	38.3	32	32
65X40	43.4	69.3	58.5	27.5	41.7
65X50	55.8	69.3	58.5	30.5	41.7
100X40	110	103.8	43.4	27.5	53.5
100X50	110	103.8	56.3	30.5	53.5
100X65	110	97.6	69.4	38.5	53.5
100X80	111	83.2	78.2	48.3	53.8



ITEM NO: AUD024

CONNECTOR MALE IRON

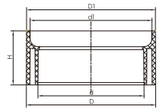
Nom Size	D	L	H	R
40	38.2	22.5	55	1-1/2
50	51	24	62	2



ITEM NO: AUD013

CERAMIC ADAPTOR

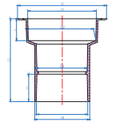
Nom Size	D1	d1	L1	L2	H	D2	d2
100	116.7	110.9	50.5	67	123	172.5	158.5



ITEM NO: ASRB01

REDUCING BUSH

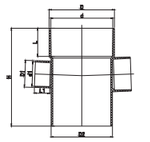
Nom Size	D	d	D1	d1	H
100X90	110.3	90.6	109.9	104	46



ITEM NO: AUDC05

COUPLING DWV FLANGED PRE-LAY

Nom Size	D	D1	D2	D3	d	d1	L	L1	L2
80	143.38	110.9	109.2	82	83.2	88.8	35.78	44.5	134

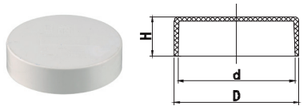


ITEM NO: AUD034

FOUR WAY RISER

Nom Size	D	d	L	L1	H	D1	d1	D2
100X50X50X50X40	116.7	110.9	50.5	27.5	175	47.8	43.4	110
100X50X50X40X40	116.7	110.9	50.5	30.5	193.5	61.1	56.3	110
80X50X40X40X40	88.8	83.2	45.34	27.5	162	47.8	43.4	82.5

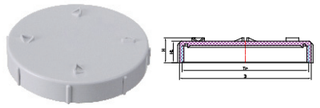
Drainage



ITEM NO: AUDW01

DUST CAP

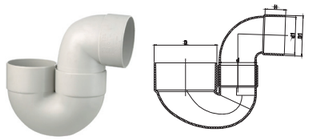
Nom Size	D	d	H
32	40.8	36.8	17.2
40	47.8	43.4	27.4
50	61.1	56.3	27.5
65	74.6	69.4	27.7
80	88.8	83.2	28
100	116.7	110.9	28.1
150	169.1	160.9	39.3



ITEM NO: AUDW03

THREADED CAP

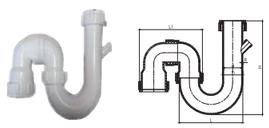
Nom Size	D	H	H1	Tr
100	182.5	34.5	30	175.5
150	169.1	39.3	/	160.9



ITEM NO: AUDS01

FLOOR WASTE GULLY

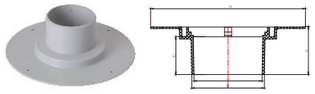
Nom Size	D	d	H	D1	d1
80X50	88.8	69.4	30.5	61.06	56.3
80X65	88.8	69.4	38.5	74.6	69.4
100X50	110.9	69.4	30.5	61.06	56.3
100X65	116.7	69.4	38.5	74.6	69.4
100X100	116.7	110.9	50.5	115	100



ITEM NO: ADSP01

DWV S & P TRAP

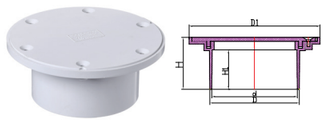
Nom Size	D	d	R	L	L1	H
40	40	36	2	130	134.4	255.75
50	44	36	3	156	154.5	230



ITEM NO: AUDF03

TILE LEAK CONTROL FLANGE

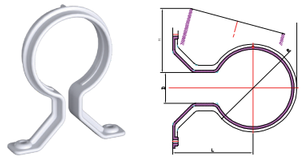
Nom Size	D	d	D1	H	H1
50	192.9	56.3	61.1	47.4	30.5
80	198	69.3	75.2	48.4	60.8
100	219	96.4	102.7	68	53.7



ITEM NO: AUDF02

FLANGE

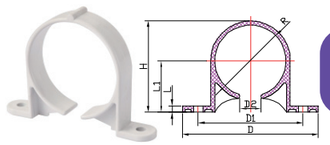
Nom Size	D	d	D1	H	H1
100	116.5	110.9	169.5	67.5	51



ITEM NO: AUDP03

PIPE CLIP

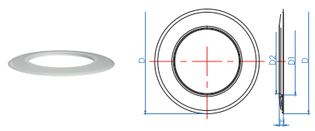
Nom Size	D	H	L	R
50	84	105	64.5	81
100	43.5	175.65	113.65	109.5



ITEM NO: AUDP04

PIPE CLIP SADDLE

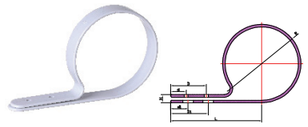
Nom Size	D	D1	D2	H	L	L1	R
40	81	62.3	12.6	54.5	4	30.75	42.5



ITEM NO: AUDW05

WALL FLANGE

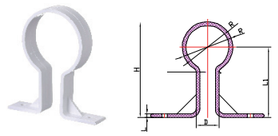
Nom Size	D	D1	D2	H
50mm	91	58.4	56	3.5
80mm	169.3	86.6	83	8
100mm	169.3	111.5	111.3	8



ITEM NO: AUDP01

KEY CLIP

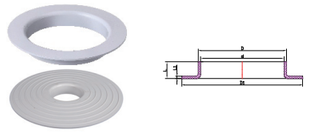
Nom Size	L	D	d	D1	d1	H	R
40	54		14.35		14.35	9.4	48.9
100	136.3	53.3	23.3	56.3	26.3	12	116.9



ITEM NO: AUDP02

PLAS CLIP Ω

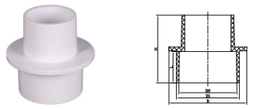
Nom Size	D	L	L1	H	R	R1
32	19.4	3.2	59.2	80.5	42.6	36.2



ITEM NO: AUDW04

DWV SAFE WASTE TRAY

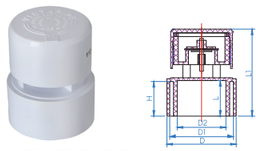
Nom Size	D	d	D1	L	L1
40	48.9	43.8	197.7	21.3	3.3
50	61.7	56.8	197.7	21.3	3.3
100	117.2	111	160.5	22	3.1



ITEM NO: AUDE027

DWV PVC SLAB ADAPTOR

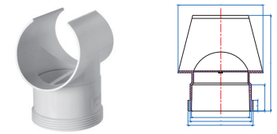
Nom Size	D	D1	D2	L	H
40	61.4	47.8	27.5	31.8	60
50	75.8	61.1	30.5	31.8	65.8



ITEM NO: AUDC06

VENT PIPE

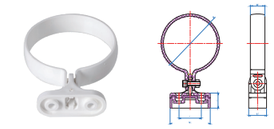
Nom Size	D	D1	D2	H	L	L1
50×40	61.1	56.3	43.4	30	31.5	76.2



ITEM NO: AUDT017

SNAP TEE

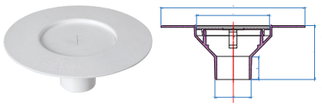
Nom Size	D	D1	D2	D3	H	L	L1
100	162	110.9	116.7	124.2	20.5	50.5	182.7



ITEM NO: ASD007

ADJUSTABLE RAIN CLIP

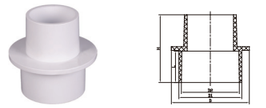
Nom Size	D	D1	D2	D3	H	R
80	33.1	59.4	26	20.6	21.9	79



ITEM NO: AUDF04

PUDDLE FLANGE

Nom Size	D	D1	D2	H	L
50	200.4	101.8	50	31.25	74.8



ITEM NO: AUDE027

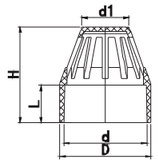
DWV PVC SLAB ADAPTOR

Nom Size	D	D1	D2	L	H
40	61.4	47.8	27.5	31.8	60
50	75.8	61.1	30.5	31.8	65.8

ITEM NO: AUDT024

COUPLING RIGHT BIG WHEEL F/F

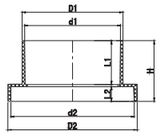
Nom Size	D	d	D1	d1	D2	L	L1
100	110	103.9	116.7	110.9	164.5	299	50.5



ITEM NO: AUD07

VENT COWL

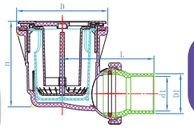
Nom Size	D	d	d1	L	H
50	62	56.3	32.05	25.2	65
50X40	61	56.3	32.6	30	80.8
100	119	110.9	73.1	25	85



ITEM NO: AUDD01

FINISHING COLLAR AND GRATE

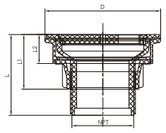
Nom Size	D1	d1	L1	L2	H	D2	d2
100	116.7	110.9	50.5	17	70	149.6	143.2



ITEM NO: AUDO06

EASY CLEAN SHOWER WASTE

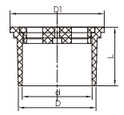
Size Nom	D1	d1	D	H	L
50	50	43.4	114.2	107.15	114.9



ITEM NO: AUDE025

PLUG WASTE SHOWER

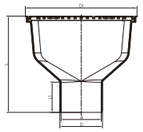
Nom Size	D	NPT	L	L1	L2
80x50	106	2"	74	50	26.5



ITEM NO: AUDE024

FLOOR GRATE ROUND

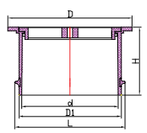
Nom Size	D	d	L	D1
50	50.3	45.3	37.9	61
80	75.2	69.2	52	92.5



ITEM NO: ASD008

GULLY DISH &LID

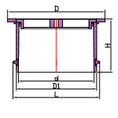
Nom Size	D	d	L	L1	D1
100	109.9	103.6	248.5	77.75	288.5
200	109.9	103.6	248.5	77.9	288.5



ITEM NO: AUDD02

DIAMOND FLOOR DRAIN

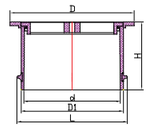
Nom Size	D	d	D1	H	L
100	117.5	91.5	97	64.5	104.5



ITEM NO: AUDD03

ROUND FLOOR DRAIN

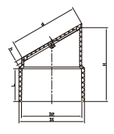
Nom Size	D	d	D1	H	L
100	117.5	91.5	97	64.5	104.5



ITEM NO: AUDD04

SQUARE FLOOR DRAIN

Nom Size	D	d	D1	H	L
100	117.5	91.5	97	64.5	104.5



ITEM NO: AUDE026

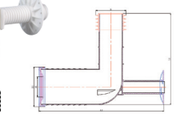
DWV PVC FLAP VALVE

Nom Size	D1	D2	L	H	d	
50	61.1	56.3	30.5	68.9	64.14	3.6

ITEM NO: AUDO32

FLEXI FIN PAN CONNECTOR BEND EXTENDED

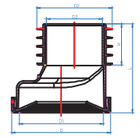
Nom Size	D	d	H
40	62.8	40.6	72.9



ITEM NO: AUDW06

PUSHFIT ELBOW 40MM X 15 DEGREES

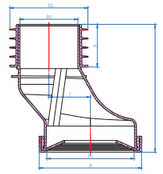
Nom Size	D	D1	d1	L1	L2
100	112.7	148.3	74.5	340.3	467.6



ITEM NO: AUDO04

PAN CONNECTORS 0MM OFFSET

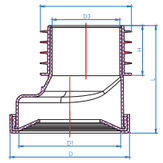
Nom Size	D	D1	D2	D3	H	L
100	147.9	126	112.7	83.8	61.7	133.3



ITEM NO: AUDO03

PAN CONNECTORS 60MM OFFSET

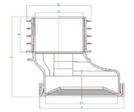
Size Nom	D	D1	D2	D3	H	L	Z
100	147	126	112.7	83.8	61.7	74.8	60



ITEM NO: AUDO05

PAN CONNECTORS 20MM OFFSET

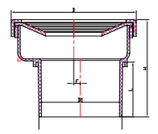
Size Nom	D	D1	D2	D3	H	L	Z
100	147	126	112.7	83.8	61.7	133.3	20



ITEM NO: AUDO07

DWV PVC WEATHERING APRON

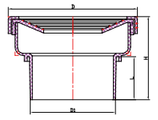
Nom Size	D	D1	D2	D3	H	L
100	147.9	126	112.7	83.8	61.7	139.75



ITEM NO: AUDO01

OFF SET PAN COLLAR 20 '

Nom Size	D	D1	L	H	F
100	155	102.69	68	120.7	8.3



ITEM NO: AUDO02

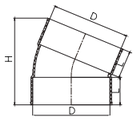
OFF SET PAN COLLAR

Nom Size	D	D1	L	H
80	155	75.2	60	100.2
100	155	102.69	52	100.2

ITEM NO: ASF001

PIPES

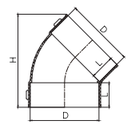
Nom Size	Outer Dia	Wall Thickness
80	80	1.8
90	90	2.3



ITEM NO: ASE05

22.5°DEGREE ELBOW F+F

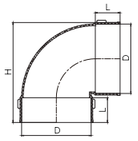
Nom Size	D	L	H
90	95	32	101.1



ITEM NO: ASE01

45°DEGREE ELBOW F+F

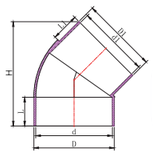
Nom Size	D	L	H
90	95	32	121.5



ITEM NO: ASE02

90°DEGREE ELBOW F+F

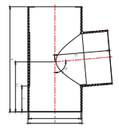
Nom Size	D	L	H
90	95	32	129.5



ITEM NO: ASE08

45°ELBOW M/F

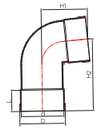
Nom Size	D	D1	D	D1	L	L1	H
80	84	79.7	80.1	75.8	30	29	108.9



ITEM NO: AST01

TEE

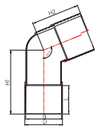
Nom Size	D	d	L	L1	L2	H
80	84	80.39	40	77.5	85.72	163
90	95	90	32	47.5	83	162



ITEM NO: ASE03

95° DEGREE ELBOW F+F

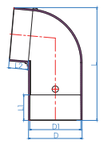
Nom Size	D	d	L	H1	H2
80	86	80.39	40	87.23	135.16



ITEM NO: ASE04

112°DEGREE ELBOW F+F

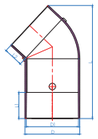
Nom Size	D	d	L	H1	H2
80X112	84	80.39	63.5	142.94	135.75



ITEM NO: ASE03II

95°BEND F/F TYPE II

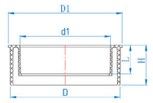
Nom Size	D	D1	L	L1	L2
80	84	80.1	177	40	30



ITEM NO: ASE06

43°BEND F/F

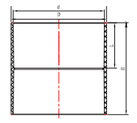
Nom Size	D	D1	L	L1	L2
80	84	80.1	173.2	40	30



ITEM NO: ASRB01

REDUCING BUSH

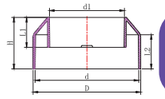
Nom Size	D	d1	D1	L	H
100X90	110	90.6	114	28.8	40



ITEM NO: ASC01

SLIP COUPLING

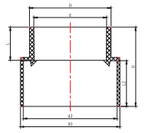
Nom Size	D	d	L	H
80	84	80.39	40	81
90	95	90	55	110



ITEM NO: ASE07

REDUCING COUPLING

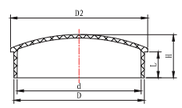
Nom Size	D	d	d1	L1	L2	H
100x80	115	110.8	80.1	32	36.5	55



ITEM NO: ASR01

REDUCING ADAPTOR

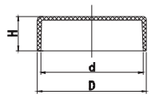
Nom Size	D	d	L	L2	D2	d2	H
100X90X80	90	80.4	36.5	50.5	110	103.6	87.5
90X75	80	75	20	95	90	32	55



ITEM NO: ASP01

CAP

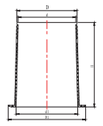
Nom Size	D	D2	d	L	H
80	75.5	79.3	71.7	15	25



ITEM NO: ASP01

CAP

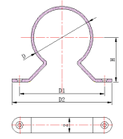
Nom Size	D	d	H
90	91	89	18



ITEM NO: AUDYO1

DROPPER

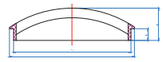
Nom Size	D	d	D1	d1	H
80	74.9	71.5	96	76.6	101



ITEM NO: ASP02

CLAMP

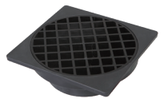
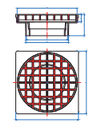
Nom Size	D	D1	D2	Z	H
80	87.2	120	141	22	62.4



ITEM NO: ASD005

ARCHED POLY GRATE 100MM

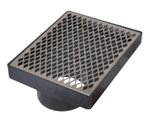
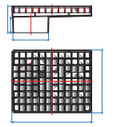
Nom Size	D	D1	L	H
100	150	141	14	39

ITEM NO: ASD001

D SQUARE

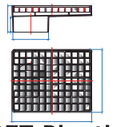
Nom Size	D	D1	D2	D3	H	L	L1
150X150X100X90	150	142.6	98.8	102.5	150	18	50.8

ITEM NO: ASD002

STORM PVC OFFSET GRATE W/SS MESH (90mm)

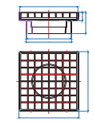
Nom Size	D	D1	H	L	L1
190X150X90	190	85.3	150	35.31	63.5



ITEM NO: ASD003

GRATE OFFSET Plastic Mesh ABS

Nom Size	D	D1	H	L	L1
190X150X90	190	85.3	150	35.31	63.5

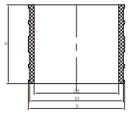


ITEM NO: ASD004

GRATE D SQUARE

Nom Size	D	D1	D2	D3	H	L	L1
150X150X100X90	150	146	110.9	114	150	21	53.8

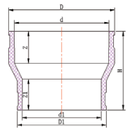
FLEXIBLE COUPLINGS AS/NZS4327



ITEM NO: EPVC01

FLEXIBLE PIPE CONNECTOR

Nom Size	D	D1	D2	H
40	55	52	44	86
50	68.6	65.4	57.4	86.5
80	98	96	83.3	103
100	125	122	110	102.5



ITEM NO: EPVC03

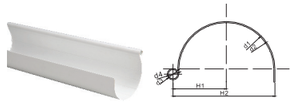
FLEXIBLE COUPLING

Nom Size	D	d	D1	d1	Z	Z1	H
130X110	88.8	83.6	210	167.8	142.7	158.8	102

PVC RAINWATER GUTTER AND FITTING

RAIN GUTTER

110MM RAINWATER SYSTEM COMPONENTS



ITEM NO: RWG001

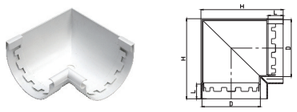
RAIN GUTTER

Nom Size	d1	d2	d3	d4	H1	H2
110	118.5	121.3	14.5	11.9	66.5	127.2

ITEM NO: RWG003

COUPLING

Nom Size	d1	d2	H
110	117.1	121.5	140.2



ITEM NO: RWG004-2

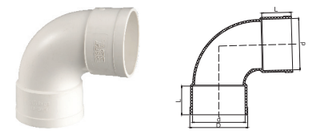
ANGLE CONNECTOR RIGHT

Nom Size	H	L	D
110	163.5	29.8	116.2

ITEM NO: RWG005

END CAP LEFT

Nom Size	d1	d2	H
110	117.1	121.5	140.2



ITEM NO: RWG008

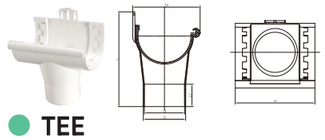
90°ELBOW

Nom Size	d	D	L
80	80.5	85.5	47
110	110	120.6	48

ITEM NO: RWG012

METAL CLAMP

Nom Size
110



ITEM NO: RWG002

TEE

Nom Size	D	d	L1	d1	d2	d3	D1	d4	H	L
110X80	/	/	/	75.7	79.5	115.3	/	119.5	201.3	47
110X90	90	85.5	47.5	/	/	/	143.1	/	169.3	201.3

ITEM NO: RWG004-1

ANGLE CONNECTOR LEFT

Nom Size	H	L	D
110	176	29.8	116.2

ITEM NO: RWG007

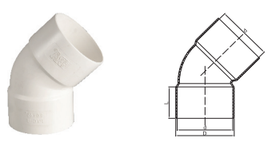
CLAMP

Nom Size	D	H
110	121	145.6

ITEM NO: RWG006

END CAP RIGHT

Nom Size	d1	d2	H
110	117.1	121.5	140.2



ITEM NO: RWG009

45°ELBOW

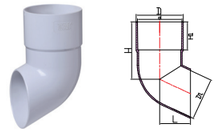
Nom Size	d	D	L
80	80.5	85.5	47
110	110	120.6	48

ITEM NO: RWG011

CLIP

Nom Size	L	L1	D
80	93.9	58	80

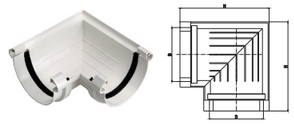
110MM RAINWATER SYSTEM COMPONENTS



ITEM NO: RWG014

SHOE DIVERTER

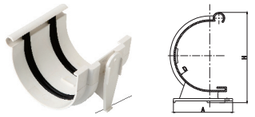
Nom Size	D	d	H	H1	D1	L
80	86.2	81	105.1	51	77.17	56.38



ITEM NO: RWG004-3

ANGLE CONNECTOR WITH GASKET

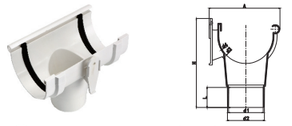
Nom Size	D	H
110	120.67	199.45



ITEM NO: RWG003-1

COUPLING WITH GASKET

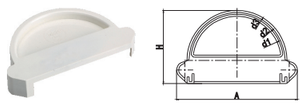
Nom Size	D	H	A
110	116.2	152.3	100



ITEM NO: RWG002-1

TEE WITH GASKET

Nom Size	A	H	L	d1	d2	d3	d4
110	152.3	191.2	43	74.4	84.5	116.2	121.2



ITEM NO: RWG005-1

END CAP TYPE II

Nom Size	H	A	d1	d2	d3
110	88.5	146.4	112	116.2	121.2

ITEM NO: RWG013

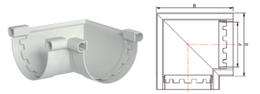
INVISIBLE CLAMP

Nom Size	D	L	L1	R1	R2
110	100	149.3	138.3	14.9	120

ITEM NO: RWG010

COUPLING M/F

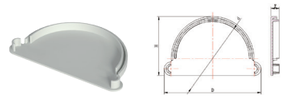
Nom Size	D	d	d1	L	H
80	86.5	80	74.7	85.3	137.5



ITEM NO: RWG004-4

UNIVERSAL CONNECTOR

Nom Size	D	d	H
110	145	103	175.9



ITEM NO: RWG005-2

UNIVERSAL END CAP

Nom Size	D	d	Z	H
110	147	111.1	12.5	88.5

ITEM NO: RVB01

VALLEY BOX

Nom Size
110

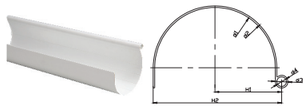
ITEM NO: AUDY01

DROPPER

Nom Size
80

Rain Gutter

125MM RAINWATER SYSTEM COMPONENTS



ITEM NO: RWGS001

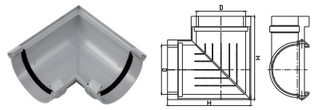
RAIN GUTTER

Nom Size	d1	d2	d3	d4	H1	H2
125	125	128.4	14.7	11.1	70	134.2

ITEM NO: RWGS003

COUPLING

Nom Size	D	H	A
125	131	210	169



ITEM NO: RWGS004

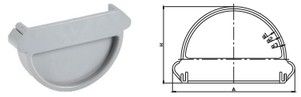
ANGLE CONNECTOR

Nom Size	H	D
125	226	131

ITEM NO: RWGS002

TEE

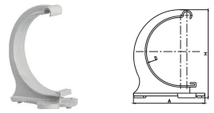
Nom Size	d1	d2	d3	d4	H	L	A
125	74.4	80	131	136.6	189.3	43	169



ITEM NO: RWGS005

ENDCAP

Nom Size	d1	d2	d3	H	A
125	125.8	131	136.2	99.3	160.7



ITEM NO: RWGS007

CLAMP

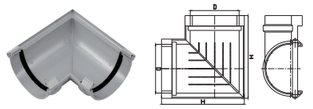
Nom Size	D	H	A
125	131.0	171.5	142.0

140MM RAINWATER SYSTEM COMPONENTS

ITEM NO: RWGM001

RAIN GUTTER

Nom Size	d1	d2	d3	d4	H1	H2
140	140	143.6	14.7	11.1	77.5	149.3



ITEM NO: RWGM004

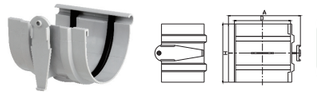
ANGLE CONNECTOR

Nom Size	H	D
140	245	145

ITEM NO: RWGM007

CLAMP

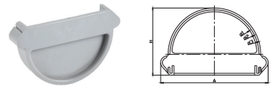
Nom Size	D	H	A
140	145	187.5	152



ITEM NO: RWGM003

COUPLING

Nom Size	D	H	A
140	145	151	186



ITEM NO: RWGM005

END CAP

Nom Size	d1	d2	d3	H	A
140	139	145	151	110	176

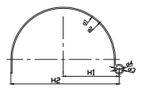
ITEM NO: RWGM002

TEE

Nom Size	d1	d2	d3	d4	H	L	A
140	77	82	145	151	226	45	186

Rain Gutter

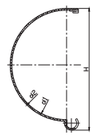
170MM RAINWATER SYSTEM COMPONENTS



ITEM NO: RWGL001

RAIN GUTTER

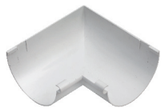
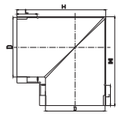
Nom Size	d1	d2	d3	d4	H1	H2
170	170	174	16.2	12.2	93.2	180.2



ITEM NO: RWGL003

COUPLING

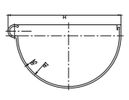
Nom Size	d1	d2	H
170	176.2	181.8	196

ITEM NO: RWGL004-2

ANGLE CONNECTOR RIGHT (INTERIOR)

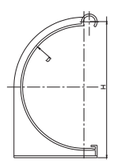
Nom Size	H	L	D
170	263	60	176.2



ITEM NO: RWGL006

END CAP RIGHT

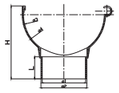
Nom Size	d1	d2	H
170	176.2	181.8	196



ITEM NO: RWGL007

CLAMP

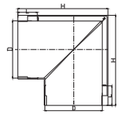
Nom Size	D	H
170	176.2	206.7



ITEM NO: RWGL002

TEE

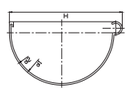
Nom Size	d1	d2	d3	d4	H	L
170	94.4	100	176.2	181.8	159	48



ITEM NO: RWGL004-1

ANGLE CONNECTOR RIGHT (EXTERNAL)

Nom Size	H	L	D
170	277.2	60	176.2

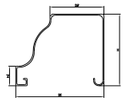


ITEM NO: RWGL005

END CAP LEFT

Nom Size	d1	d2	H
170	176.2	181.8	196

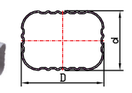
5.2" SQUARE RAINWATER SYSTEM COMPONENTS



ITEM NO: RWGA001

RAIN GUTTER

Nom Size	D1	D2	H	h1
5.2"	138	90	105	21



ITEM NO: RWGA006

RECTANGLE PIPE

Nom Size	D	d
5.2"	86	63

ITEM NO: RWGA005-1

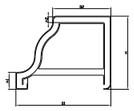
LEFT END CAP

Nom Size	D	d
5.2"	136	109

ITEM NO: RWGA005-2

RIGHT END CAP

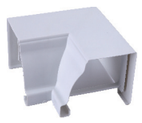
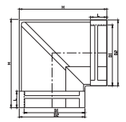
Nom Size	D	d
5.2"	136	109



ITEM NO: RWGA003

COUPLING

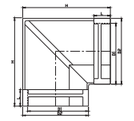
Nom Size	D1	D2	H	h1	h2
5.2"	135	90	108	27	5

ITEM NO: RWGA004-1

90°INSIDE CORNER

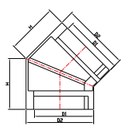
Nom Size	H	D1	D2	L
5.2"	180	86	135	37.5



ITEM NO: RWGA004-2

90°OUTSIDE CORNER

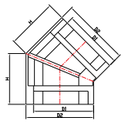
Nom Size	H	D1	D2	L
5.2"	180	86	135	37.5



ITEM NO: RWGA008-1

135°INSIDE CORNER

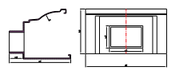
Nom Size	D1	D2	H
5.2"	105	132	105



ITEM NO: RWGA008-2

135°OUTSIDE CORNER

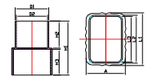
Nom Size	D1	D2	H
5.2"	105	132	105



ITEM NO: RWGA002

TEE

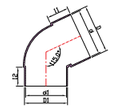
Nom Size	A1	A2	H1	H2	D	L1	L2
5.2"	219	152	173	35	100	79	58



ITEM NO: RWGA009

COUPLING OF PIPE

Nom Size	A	L1	L2	L3	D1	D2	H1	H2	H3
5.2"	65.5	88	80	76	56	52	90	45	43



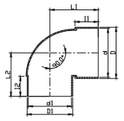
ITEM NO: RWGA010

65°DIVERTER

Nom Size	D	d	D1	d1	l1	l2
5.2"	67	63	57	53	41	35

Rain Gutter

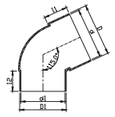
5.2" SQUARE RAINWATER SYSTEM COMPONENTS



ITEM NO: RWGA011

90°DIVERTER

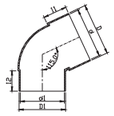
Nom Size	D	d	D1	d1	L1	L2	l1	l2
5.2"	67	63	57	53	73.5	64.5	41	35



ITEM NO: RWGA012

65°ELBOW

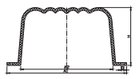
Nom Size	D	d	D1	d1	l1	l2
5.2"	91	86	80	76	41	35



ITEM NO: RWGA013

90°ELBOW

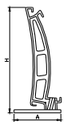
Nom Size	D	d	D1	d1	L1	L2	l1	l2
5.2"	91	86	80	76	85	57	41	35



ITEM NO: RWGA014

CLIP

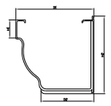
Nom Size	A1	A2	H	D
5.2"	125	88.5	61.8	5



ITEM NO: RWGA015

GUTTER HANGER-SINGLE HOLE

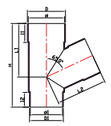
Nom Size	A	H
5.2"	60	131



ITEM NO: RWGA007

CLAMP

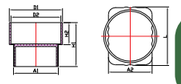
Nom Size	D1	D2	H1	H2
5.2"	145	101	22	132



ITEM NO: RWGA018

SKEW TEE

Nom Size	D	d	D1	d1	H	L1	L2	l1	l2
5.2"	90	86	80	76	198	126.6	120.2	45	35

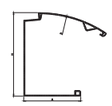


ITEM NO: RWGA019

CONVERSION JOINT

Nom Size	A1	A2	L	H1	H2	D1	D2
5.2"	67.5	65.5	88	66	33	80	75

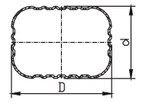
7" SQUARE RAINWATER SYSTEM COMPONENTS



ITEM NO: RWGB001

RAIN GUTTER

Nom Size	A	H	D
7"	76	148	100



ITEM NO: RWGB006

RECTANGLE PIPE

Nom Size	D1	d
7"	100	80

ITEM NO: RWGB005-1

LEFT END CAP

Nom Size	D1	d
7"	100	80

ITEM NO: RWGB005-2

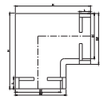
RIGHT END CAP

Nom Size	D1	d
7"	100	80

ITEM NO: RWGB003

COUPLING

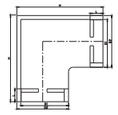
Nom Size	A	H	D
7"	83	156	150



ITEM NO: RWGB004-1

90°INSIDE CORNER

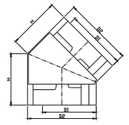
Nom Size	H	D1	D2	L
7"	220	135	157	51.5



ITEM NO: RWGB004-2

90°OUTSIDE CORNER

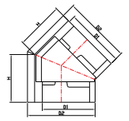
Nom Size	H	D1	D2	L
7"	220	134.2	156.5	51.5



ITEM NO: RWGB008-1

135°INSIDE CORNER

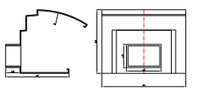
Nom Size	D1	D2	H
7"	140	160	120



ITEM NO: RWGB008-2

135°OUTSIDE CORNER

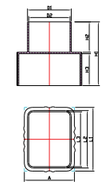
Nom Size	D1	D2	H
7"	137	154	120



ITEM NO: RWGB002

TEE

Nom Size	A1	A2	H1	H2	D	L1	L2
7"	231	156	155	49	150	94	71



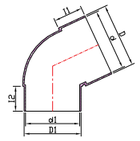
ITEM NO: RWGB009

COUPLING OF PIPE

Nom Size	A	L1	L2	L3	D1	D2	H1	H2	H3
7"	82.5	105	94.5	90.5	72	68	105	50	52.5

Rain Gutter

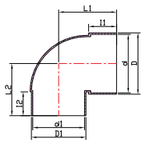
7" SQUARE RAINWATER SYSTEM COMPONENTS



ITEM NO: RWGB010

65°DIVERTER

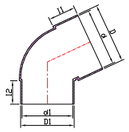
Nom Size	D	d	D1	d1	l1	l2
7"	83	79	73	69	54	50



ITEM NO: RWGB011

90°DIVERTER

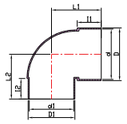
Nom Size	D	d	D1	d1	L1	L2	l1	l2
7"	83	79	73	69	93.5	88.5	54	50



ITEM NO: RWGB012

65°ELBOW

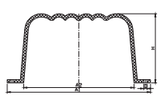
Nom Size	D	d	D1	d1	l1	l2
7"	105	101	94	90	54	50



ITEM NO: RWGB013

90°ELBOW

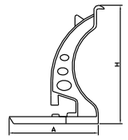
Nom Size	D	d	D1	d1	L1	L2	l1	l2
7"	105	101	94	90	106	98.5	54	50



ITEM NO: RWGB014

CLIP

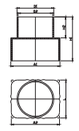
Nom Size	A1	A2	H	D
7"	141.6	106.8	71	5



ITEM NO: RWGB007

U HANGER

Nom Size	A	H
7"	87	151

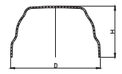


ITEM NO: RWGB019

CONVERSION JOINT

Nom Size	A1	A2	L	H1	H2	D1	D2
7"	105	105	82.5	95.5	45.5	80	75

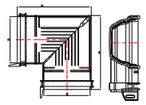
125MM SQUARE RAINWATER SYSTEM COMPONENTS



ITEM NO: RWGF001

SQUARE RAIN GUTTER

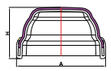
Nom Size	D	H
125	129.1	73.58



ITEM NO: RWGF004

SQUARE ELBOW

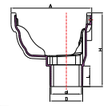
Nom Size	D	H
125	128.7	206.02



ITEM NO: RWGF005

SQUARE END CAP

Nom Size	A	H
125	148.11	85.27



ITEM NO: RWGF002

SQUARE TEE

Nom Size	A	D	d	H	L
125	148.51	60.17	56	135.8	38

ITEM NO: RWGF006

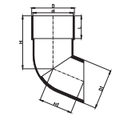
SQUARE CLAMP

Nom Size	A	H
125	105.3	130.09

ITEM NO: RWGF003

SQUARE COUPLING

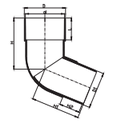
Nom Size	A	D	D1	H
125	104.6	85.13	121	130.09



ITEM NO: RWGF009

SQUARE 45 ELBOW

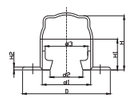
Nom Size	D	d	D1	H	L	H1
74	79	74.5	74	98	42	61.7



ITEM NO: RWGF008

SQUARE 45 ELBOW M/F

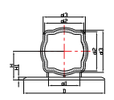
Nom Size	D	d	D1	H	L	H1	H2
74	79	74.5	70	98	42	93.5	39.5



ITEM NO: RWGF011

SQUARE U CLAMP

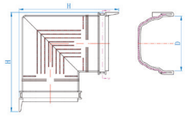
Nom Size	D	d1	d2	d3	H	H1	H2
74	134	74	50	65	82.7	47	4.5



ITEM NO: RWGF010

SQUARE COUPLING M/F

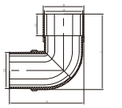
Nom Size	D	d1	d2	d3	H	H1
74	134.5	52	65	70	47.5	4.5



ITEM NO: RWGF004-2

RIGHT SQUARE ELBOW 125MM

Nom Size	D	H
125	130.09	206.02



ITEM NO: RWGF014

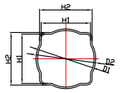
SQUARE 90 DEGREE ELBOW M/F

Nom Size	D	d	D1	H	L	L1
74	79	74.5	70	144.5	146.5	42

Rain Gutter

PVC GUTTERS AND FITTINGS BS EN607/EN12200/EN1462

125MM SQUARE RAINWATER SYSTEM COMPONENTS



ITEM NO: RWGF007

SQUARE RAIN PIPE

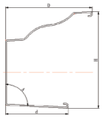
Nom Size	H1	H2	D1	D2
74	61	65	70	74

ITEM NO: RWGF013

COUPLING ADAPTOR

Nom Size	D	d	L	H
125	80.5	84.5	142.9	42.5

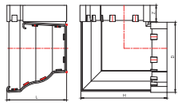
100 (4") SQUARE RAINWATER SYSTEM COMPONENTS



ITEM NO: RGMA01

RAIN GUTTER

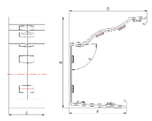
Nom Size	D	d	A	H
100	125.8	90.8	93	148.1



ITEM NO: RGMA05

LEFT ANGLE CONNECTOR

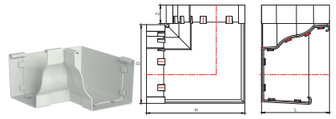
Nom Size	D	Z	H	L
100	153.1	35.5	188.1	130.6



ITEM NO: RGMA02

COUPLING

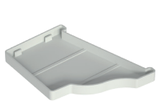
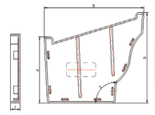
Nom Size	D	d	Z	A	H
100	130.6	95.6	60	93	153.1



ITEM NO: RGMA06

RIGHT ANGLE CONNECTOR

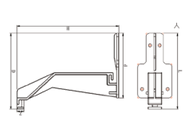
Nom Size	D	Z	H	L
100	152.3	35.5	188.9	130.6

ITEM NO: RGMA03

LEFT END CAP

Nom Size	D	d	Z	A	H
100	130	95	14.5	93	152.5



ITEM NO: RGMA08

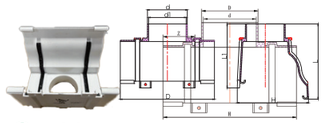
RCLAMP

Nom Size	D	d	Z	L	H
100 (4")	111.9	95.4	10.4	111.9	151

ITEM NO: RGMA04

RIGHT END CAP

Nom Size	D	d	Z	A	H
100	130	95	14.5	152.5	93

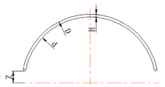


ITEM NO: RGMA07

TEE

Nom Size	d	d1	D	L	L1	H
100X2"	88.8	83.6	210	167.8	142.7	158.8
100X3"	88.8	83.6	210	167.8	142.7	158.8

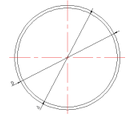
112MM HALF ROUND RAINWATER SYSTEM COMPONENTS



ITEM NO: RGUK01

112MM HALF ROUND GUTTER

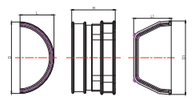
Nom Size	D	d	Z	H
112	58.3	56	10	2.3



ITEM NO: RGUK05

68MM ROUND DOWN PIPE

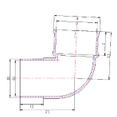
Nom Size	D	d
68	68.3	64.7



ITEM NO: RGUK06

SQUARE/ROUND GUTTER ADAPTOR

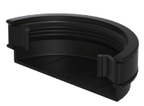
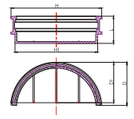
Nom Size	A	D1	L	L1	H
112	136.3	140.2	64.7	71.6	83



ITEM NO: RGUK07

ROUND LINE DOWNPIPE OFFSET BEND

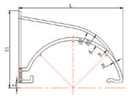
Nom Size	D	d	D1	d1	Z	Z1	L1	L2
68	78.3	68.9	63.9	60	40	40	80	92.5

ITEM NO: RGUK08

EXTERNAL STOP END

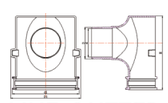
Nom Size	D	D1	H	H1	L
112	64.7	60.7	136.3	124.2	40.8



ITEM NO: RGUK03

ROUND LINE GUTTER FASCIA BRACKET

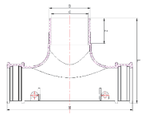
Nom Size	D	d	D1	d1	Z	Z1	L1	L2
112	127.8	120.2	70	67	6.5	97.5	3.8	131.6



ITEM NO: RGUK09

SQUARE LINE GUTTER STOP END OUTLET

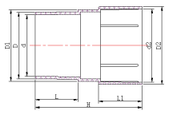
Nom Size	D	d	D1	d1	Z	H
112	63.9	58.2	143	136.2	42.2	150.8



ITEM NO: RGUK010

ROUND LINE GUTTER RUNNING OUTLET

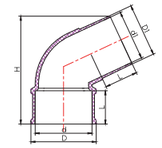
Nom Size	d	d1	H	h1	D	L
112	63.9	58.2	134	42.2	196	136.3



ITEM NO: RGUK011

SQUARE/ROUND GUTTER ADAPTOR

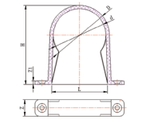
Nom Size	D	d	D1	D2	d2	L	L1	H
65	60.5	56.1	65.5	70.9	66.5	39	40.2	98



ITEM NO: RGUK12

ROUND LINE DOWNPIPE OFFSET BEND

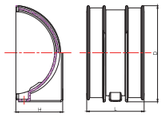
Nom Size	D	d	D1	d1	L	H
68	78.3	68.2	63.9	60	40	129.5



ITEM NO: RGUK02

68MM ROUND LINE DOWNPIPE CLIP

Nom Size	D	D1	H	H1	L
68	77	68	21	4.5	102

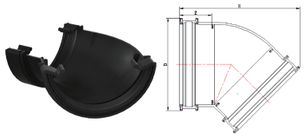


ITEM NO: RGUK013

ROUND LINE GUTTER UNION BRACKET

Nom Size	D	L	H
112	139.1	83	67.7

112MM HALF ROUND RAINWATER SYSTEM COMPONENTS



ITEM NO: RGUK014

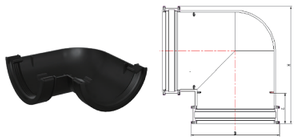
ROUND LINE DOWNPIPE 45°BEND

Nom Size	D	Z	H
112	136.2	51.4	177.5

ITEM NO: RGUK015

ROUND LINE DOWNPIPE SHOE

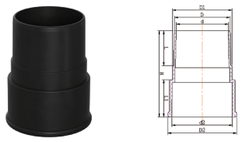
Nom Size	D	d	d1	L	L1
68	78.3	68.9	63.6	40	87



ITEM NO: RGUK04

ROUND LINE GUTTER ANGLE 90°

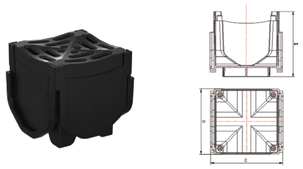
Nom Size	D	Z	H
112	136.2	4731	180.1



ITEM NO: RGUK016

ROUND LINE DOWNPIPE SOCKET

Nom Size	D	d	D1	D2	d2	L	L1	H
68	63.2	59.3	68	78.3	68.9	40	42.9	99



ITEM NO: RGUK018

CHANNEL DRAIN BIOCK

Nom Size	D	d	Z
128X128	141.2	128.5	128

ITEM NO: RGUK017

CHANNEL DRAIN & GRATE 1MTR

Nom Size	Z	L	L1	H
120X128	119.9	387	128	1008.3

150MM SQUARE RAINWATER SYSTEM COMPONENTS

ITEM NO: RGA002

COUPLING

Nom Size	D	D1	L	L1	H
150	155.2	147.5	140.9	95	60.2

ITEM NO: RGA001

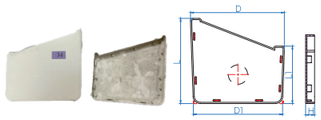
RAIN GUTTER

Nom Size	D	D1	L	L1
150	151	143.3	35.5	89.6

ITEM NO: RGA003L

LEFT END CAP

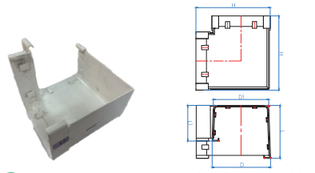
Nom Size	D	D1	L	L1	H
150	155.2	147.5	140.9	95	14.8



ITEM NO: RGA003R

RIGHT END CAP

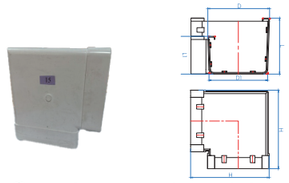
Nom Size	D	D1	L	L1	H
150	155.2	147.5	140.9	95	14.8



ITEM NO: RGA004L

LEFT ANGLE CONNECTOR

Nom Size	D	D1	L	L1	H
150	155.5	147.5	140.9	95	197.6



ITEM NO: RGA004R

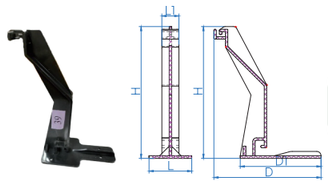
RIGHT ANGLE CONNECTOR

Nom Size	D	D1	L	L1	H
150	155.5	147.5	140.9	95	197.6

ITEM NO: RGA005

TEE

Nom Size	D	D1	L	L1	H
150	155.2	114.4	175.9	139.3	216

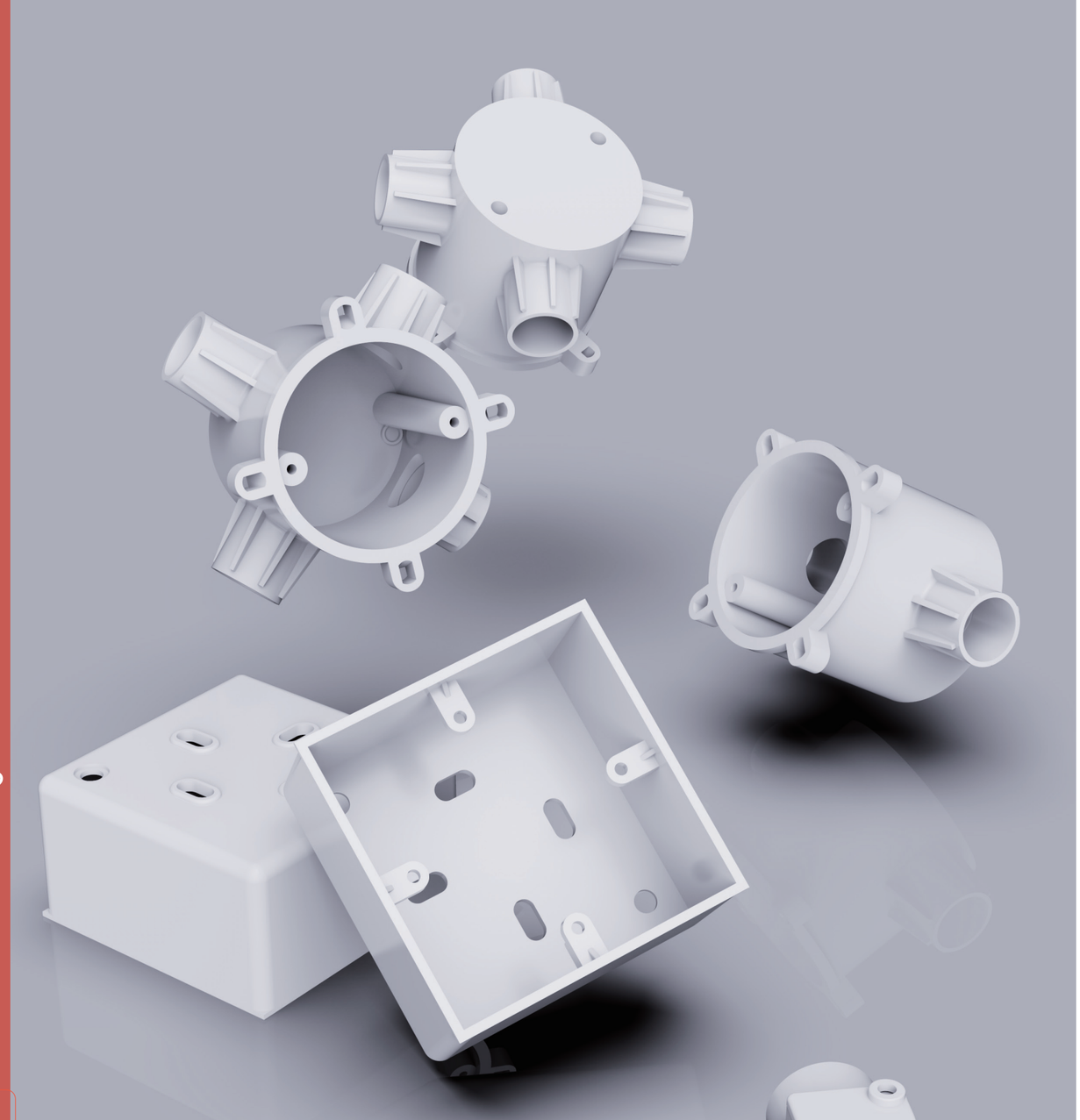


ITEM NO: RGA006

CLAMP

Nom Size	D	D1	L	L1	H
150	126.5	95.4	50.4	20.1	155.7

Rain Gutter



PVC-U INSULATING ELECTRICAL PIPES & FITTINGS
(IEC 61386)

ELECTRIC CONDUITS AND FITTINGS

CE

PVC-U INSULATING ELECTRICAL PIPES & FITTINGS

ITEM NO: EDT01

TRUNKING

Model mm				
DN15X10	DN25X15	DN40X20	DN60X25	DN60X40
DN80X40	DN100X27	DN100X40	DN100X60	

ITEM NO: ED001

PIPES

External diameter (mm)	Middle type	16	20	25	32	40
	Light type	16	20	25	32	40

ITEM NO: ED002

INSPECTION ELBOW

Model mm		
20	25	32

ITEM NO: ED003

ELBOW

Model mm				
16	20	25	32	40

ITEM NO: ED004

INSPECTION TEE

Model mm		
20	25	32

ITEM NO: ED005

TEE

Model mm				
16	20	25	32	40

ITEM NO: ED006

SCREWED CONVERTERS

Model mm			
16	20	25	32

ITEM NO: ED007

COUPLING

Model mm				
16	20	25	32	40

ITEM NO: ED008

REDUCING COUPLING

Model mm			
20X16	25X20	32X25	32X20

ITEM NO: ED009

OCTAGON OUTLET BOX

Model mm
75X75X50

Electric Conduits&Fittings

ITEM NO: ED010

ONE WAY CIRCULAR BOX

Model	mm	
16	20	25

ITEM NO: ED011

TWO WAY CIRCULAR BOX

Model	mm	
16	20	25

ITEM NO: ED012

THREE WAY CIRCULAR BOX

Model	mm	
16	20	25

ITEM NO: ED013

FOUR WAY CIRCULAR BOX

Model	mm	
16	20	25

ITEM NO: ED014

ANGLE CIRCULAR BOX

Model	mm	
16	20	25

ITEM NO: ED015

COVER

Model	mm
75X75X50	

ITEM NO: ED016

ONE WAY EXTENSION RING

Model	mm	
16	20	25

ITEM NO: ED017

TWO WAY EXTENSION RING

Model	mm	
16	20	25

ITEM NO: ED018

THREE WAY EXTENSION RING

Model	mm	
16	20	25

ITEM NO: ED019

FOUR WAY EXTENSION RING

Model	mm	
16	20	25

PVC-U INSULATING ELECTRICAL PIPES & FITTINGS

ITEM NO: ED020

ANGLE EXTENSION RING

Model	mm	
16	20	25

ITEM NO: ED021

PIPE TRACKET

Model	mm				
16	20	25	32	40	50

ITEM NO: ED022

INLET BOX

Model	mm
86X86X45	86X86X38

ITEM NO: ED023

OUTLET BOX

Model	mm		
75X75X50	77X77X65	77X77X75	77X77X100
77X77X110	77X77X120	105X60X50	105X105X50

ITEM NO: ED034

SQUARE BOX

Nom Size	d	D	H	L	h1
120X120X50	75.8	120	124.5	120	56

ITEM NO: ED035

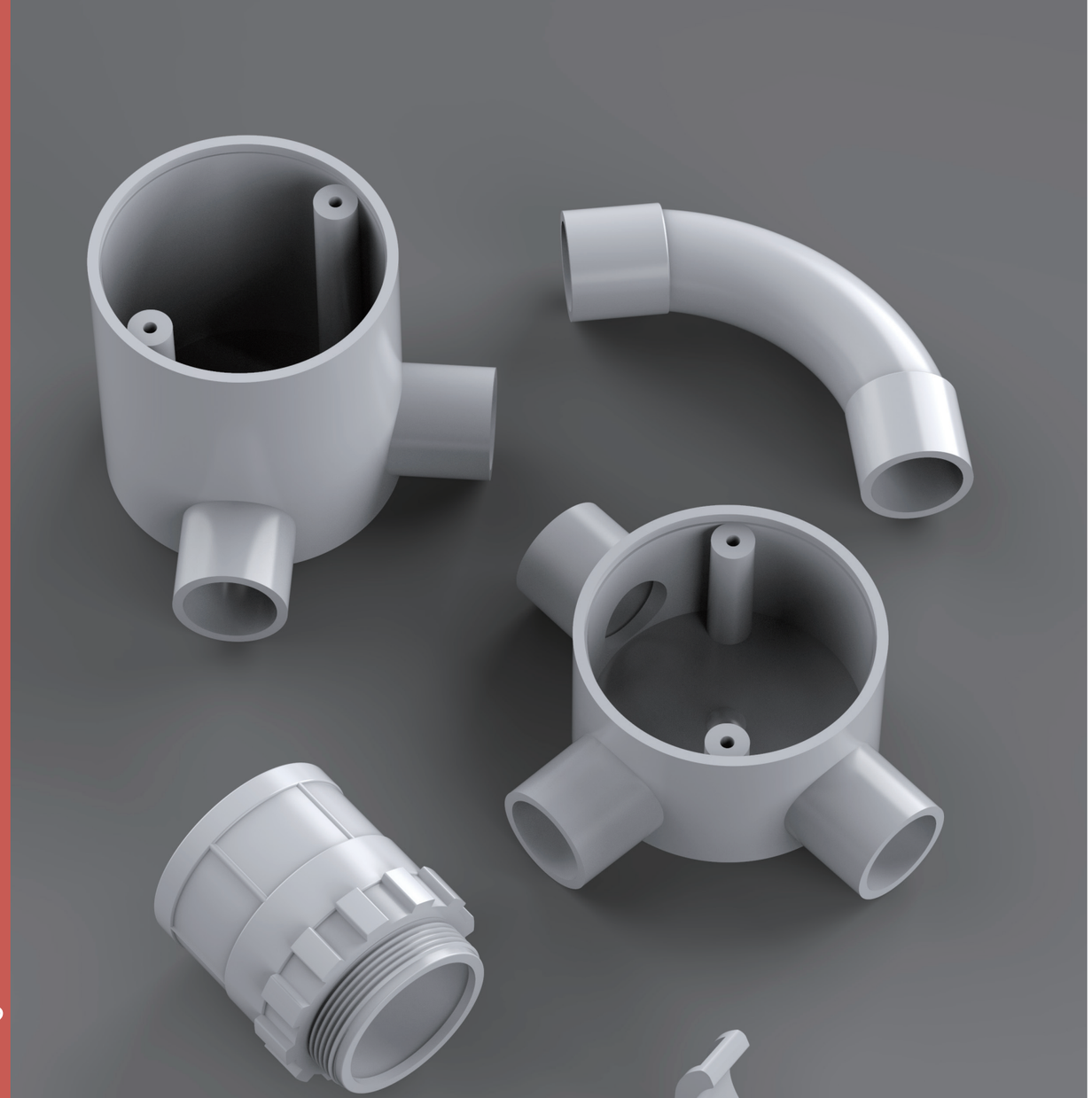
JUNCTION BOX

Nom Size	d	D	H	L	D1
100X100X44	74.02	102.8	100	44.5	100

ITEM NO: ED036

UTILITY BOX

Nom Size	D	H	d	d1	L	L1
106X62X48	105.5	61.5	82.5	40	48	23.5



PVC-U INSULATING ELECTRICAL PIPES & FITTINGS

(AS/NZS 61386)

ELECTRIC CONDUITS AND FITTINGS

AS/NZS 61386 PVC-U INSULATING ELECTRICAL PIPES & FITTINGS

ITEM NO: AEDC001

CONDUIT (medium type)

Nom Size	Outer Dia(D)	Wall Thickness(E)
16	15.7-16.0	1.6-1.9
20	19.7-20	1.8-2.1
25	24.7-25	1.8-2.1
32	31.7-32	2.1-2.4
40	39.7-40	2.4-2.7
50	49.7-50	2.8-3.1
63	62.7-63	3.0-3.5
80	88.7-89.1	3.5-4.1
100	114.1-114.5	4.5-5.2
125	140.0-140.4	5.5-6.3
150	160.0-160.5	6.3-7.1

CONDUIT (heavy type)

Nom Size	Outer Dia(D)	Wall Thickness(E)
20	19.7-20	2.3-2.6
25	24.7-25	2.5-2.8
32	31.7-32	2.7-3.0
40	39.7-40	3.1-3.4
50	49.7-50	3.4-3.9
63	62.7-63	3.9-4.5
80	88.7-89.1	4.6-5.3
100	114.1-114.5	5.9-6.7
125	140.0-140.4	7.2-8.1
150	160.0-160.5	8.3-9.3

ITEM NO: AED001

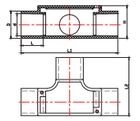
CONDUIT (medium type)

Nom Size	Wall Thickness(E)
20	0.3
25	0.4
32	0.6
40	0.65
50	0.65

ITEM NO: AED001

CONDUIT (heavy type)

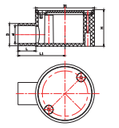
Nom Size	Wall Thickness(E)
20	0.35
25	0.5
32	0.65
40	0.8
50	0.75



ITEM NO: AED002

CONDUIT INSPECTION TEE

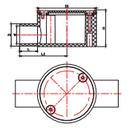
Nom Size	D	d	L	L1	H	L2
20	24.8	20.25	20	88	29.8	53
25	30.2	25.25	24	106.8	37.7	68
32	37.6	32.25	27	132	44	84



ITEM NO: AED003

CONDUIT JUNCTION BOX 1 WAY

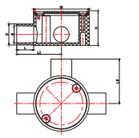
Nom Size	D	d	L	L1	D1	H
20	24.8	20.25	20	52.7	66	41
25	30.2	25.25	24	57.5	68	68



ITEM NO: AED004

CONDUIT JUNCTION BOX 2 WAY

Nom Size	D	d	L	L1	D1	H
20	24.8	20.25	20	52.7	66	41
25	30.2	25.25	24	57.5	68	68

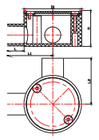


ITEM NO: AED005

CONDUIT JUNCTION BOX 3 WAY

Nom Size	D	d	L	L1	L2	D1	H
20	24.8	20.25	20	52.7	52.7	66	41
25	30.2	25.25	24	57.5	57.5	68	68

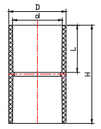
Electric Conduits&Fittings



ITEM NO: AED006

RIGHT ANGLE SHALLOW J/B

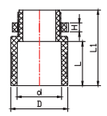
Nom Size	D	d	L	L1	L2	D1	H
20	24.8	20.25	20	52.7	52.7	66	41
25	30.2	25.25	24	57.5	57.5	68	68



ITEM NO: AED007

CONDUIT COUPLING

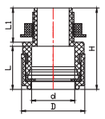
Nom Size	D	d	L	H
20	23.7	20.25	20	42
25	29	25.25	24	50
32	36.4	32.25	27	56
40	40.3	45.1	33	68
50	56.2	50.3	41	85
63	69.8	63.3	51	105



ITEM NO: AED008

CONDUIT ADAPTOR WITH LOCKRING-PLAIN TO THREADED

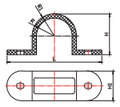
Nom Size	D	d	L	H	L1
20	25.8	20.25	20	4	34.3
25	31.2	25.25	24	5	40.5
32	38.6	32.25	27	9.5	48
40	46.5	40.3	33	9	55.5
50	57.1	50.3	41	11.5	66.5



ITEM NO: AED009

CORRUGATED CONDUIT GLANDS

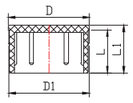
Nom Size	D	d	L	L1	H1
20	30	20.5	20.3	16	38
25	37	25.5	26.2	19.8	40.6



ITEM NO: AED010

CONDUIT MOUNTING SADDLE

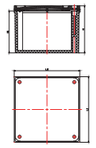
Nom Size	R	R1	L	H	H1
20	10	12.5	51.5	22.5	17
25	12.25	15.25	65	28	20.5
32	16	19	81	35	23
40	20	22.5	84.4	42.5	20
50	25	27.5	96.2	52.5	20



ITEM NO: AED011

END PLUG

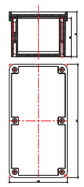
Nom Size	D	D1	L	L1
20	20.5	20.2	10.9	12.4
25	25.5	25.2	13.5	15



ITEM NO: AED012

CONDUIT ADAPTABLE BOX

Nom Size	H	H1	L	L1
77X77X54	56	49	77	77
108x108x76	77.5	69	108	108



ITEM NO: AED013

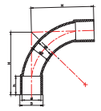
CONDUIT ADAPTABLE BOX

Nom Size	H	H1	L	L1
211x108x81	83.5	71.5	211	108

ITEM NO: AED014

STANDARD BEND 90°(HD)

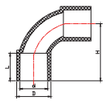
Nom Size	D	d	d1	d2	h	H
20	24.85	20.25	18	22.6	20	67.5
25	30.25	25.25	22.5	27.5	24	87.5
32	36.36	32.25	27.6	33	27	133



ITEM NO: AED015

STANDARD BEND 90°(MD)

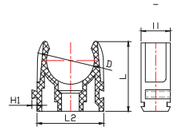
Nom Size	D	d	d1	d2	h	H
20	23.85	20.25	18	21.6	20	67.5



ITEM NO: AED016

CONDUIT ELBOW

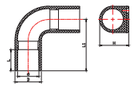
Nom Size	D	D1	L	L1
20	24.8	20.25	20	41.5
25	30.2	25.25	24	49
32	36.5	32.3	27	56
40	45.1	40.3	33	62.5
50	55.9	50.3	41	77.5



ITEM NO: AED017

MOUNTING CLIP

Nom Size	D	L	L2	H	H1
20	19.6	28.6	27.3	12	2
25	24.6	35.9	34.2	12	2
32	31.4	38.6	41.2	12	2
40	39.4	46.91	50.2	12	2
50	49	52.8	60.2	12	2



ITEM NO: AED018

CONDUIT INSPECTION ELBOW

Nom Size	D	d	L	L1	H
20	24.8	20.25	20	48.5	27.4
25	30.2	25.25	24	48.8	34.3
32	37.6	32.25	27	65.6	40.6

ITEM NO: AFS01

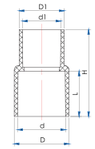
FULL METAL SADDLE

Nom Size				
20	25	32	40	50

ITEM NO: HFS01

HALF METAL SADDLE

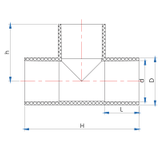
Nom Size					
16	20	25	32	40	50



ITEM NO: AED021

CONDUIT REDUCING COUPLING

Nom Size	D	d	d1	D1	L	H
20X25	29.05	25.25	20.25	23.75	24	46

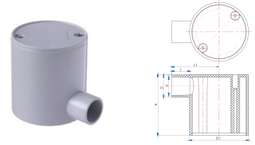


ITEM NO: AED022

CONDUIT TEE

Nom Size	d	D	H	h	L
20	20.25	23.75	62.6	31.3	20
25	25.25	28.85	70	35	21
32	36.5	32.3	89	44.5	27
40	45.1	40.3	109.5	54.8	33
50	55.9	50.3	136.5	68.3	41

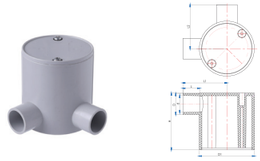
Electric Conduits&Fittings



ITEM NO: AED023

DEEP JUNCTION BOX 1WAY

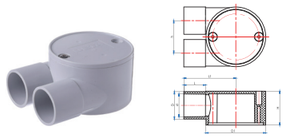
Nom Size	D1	d	D	L1	L	H
20	66	20.25	24.85	52.75	20	68
25	66	25.25	30.25	52.75	20	68



ITEM NO: AED024

DEEP JUNCTION BOX 2WAY ANGLE

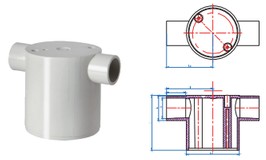
Nom Size	D1	d	D	L1	L	L2	H
20	66	20.25	24.85	52.75	20	52.75	68
25	66	25.25	30.25	52.75	20	52.75	68



ITEM NO: AED025

JUNCTION BOX U WAY

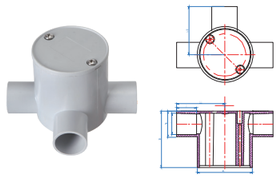
Nom Size	D	d	D1	L1	L	H	h
20	24.85	20.25	66	52.75	20	37.5	41.2
25	30.25	25.25	66	57.5	24	37.5	36



ITEM NO: AED026

DEEP JUNCTION BOX 2 WAY

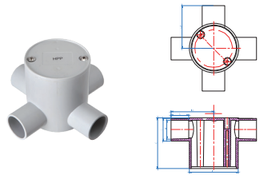
Nom Size	D1	d	D	H	L	L1	L2
20	66	20.25	24.85	68	20	52.75	52.75
25	66	25.25	30.25	68	24	57.5	57.5



ITEM NO: AED027

DEEP JUNCTION BOX 3 WAY

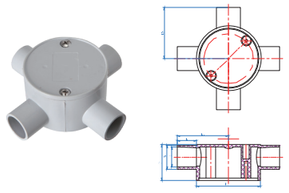
Nom Size	D1	d	D	H	L	L1	L2
20	66	20.25	24.85	68	20	52.75	52.75
25	66	25.25	30.25	68	24	57.5	57.5



ITEM NO: AED028

DEEP JUNCTION BOX 4WAY

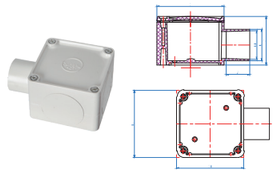
	D1	d	D	H	L	L1	L2
20	66	20.25	24.85	68	20	52.75	52.75
25	66	25.25	30.25	68	24	57.5	57.5



ITEM NO: AED029

SHALLOW JUNCTION BOX 4WAY

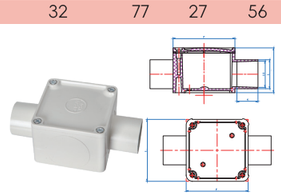
Nom Size	D1	d	D	H	L	L1	L2
20	66	20.25	24.85	37.5	20	52.75	52.75
25	66	25.25	30.25	37.5	24	57.5	57.5



ITEM NO: AED030

SQUARE JUNCTION BOX WITH 1WAY

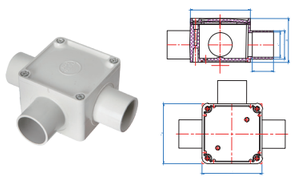
Nom Size	D	d	H	L	h1	L1	D1
32	77	27	56	36.45	32.25	77	77



ITEM NO: AED031

SQUARE JUNCTION BOX WITH 2WAY

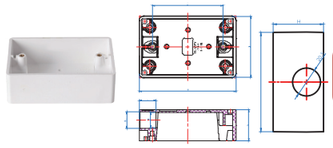
Nom Size	D	d	H	L	h1	L1	D1
32	77	27	56	36.45	32.25	77	77



ITEM NO: AED032

SQUARE JUNCTION BOX WITH 3WAY

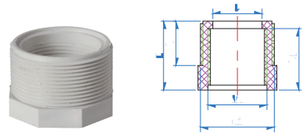
Nom Size	D	d	H	L	h1	L1	D1
32	77	27	56	36.45	32.25	77	77



ITEM NO: AED033

SURFACE MOUNTING BLOCK WITH 20MM ENTRY

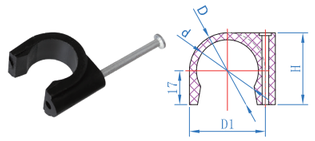
Nom Size	D	d	H	L	L1	L2	R
115X73X37	115	84	73	37	20.22	17.64	19.96



ITEM NO: AED034

THREAD REDUCER

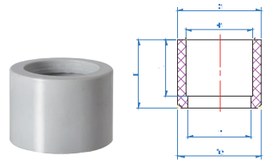
Nom Size	D	L	L1	M1	M2	H
25X20	16.5	15	20.5	M20.4X1.5	M24.7X1.5	22.5
32X25	21.5	15.5	21	M25.4X1.5	M31.7X1.5	23
40X32	28	20	24	M32.4X1.5	M39.7X1.5	28



ITEM NO: AED035

CLIP WITH NAIL

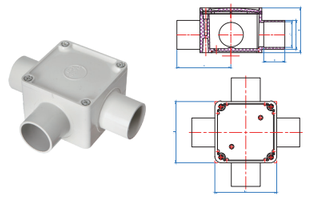
Nom Size	D	d	D1	L	H
15	20	14	20	8.5	18.5
20	26	19	26	11	24
25	31	24	38	13.5	29
32	38	31	38	17	36
40	47	39	47	21	44
50	57	49	57	26	54.5



ITEM NO: AED036

PLAIN REDUCER

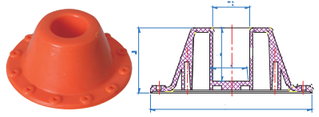
Nom Size	D1	d1	D2	d2	L	H
25X20	25.25	20.25	24.8	18	20	24
32X25	32.25	25.25	31.8	23	24	27
40X32	40.3	32.25	39.8	30	27	33
50X40	50.3	40.3	49.8	33	33	41



ITEM NO: AED037

SQUARE JUNCTION BOX WITH 4WAY

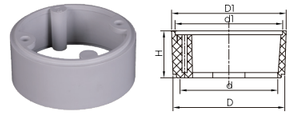
Nom Size	D	d	H	L	h1	L1
32	67.8	27	56	36.45	32.25	77



ITEM NO: AED038

LOCATING FLANGES

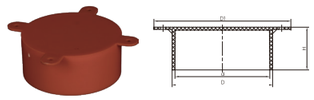
Nom Size	D	D1	D2	H	
20	90	19.8	20.25	36	29.5
25	90	24.8	25.25	36	29.5
32	91.4	39.4	32.25	31.8	31.8



ITEM NO: AED040

JUNCTION BOX EXTENSION RING

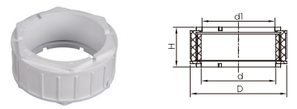
Nom Size	D	d	D1	d1	
12mm	64.4	56.3	66	62	14
25mm	64.4	56.3	66	62	27



ITEM NO: AED041

DISPOSABLE LID WITH LUGS(ORANGE)

Nom Size	D	d	D1	
30mm	70.6	66.6	96.2	30



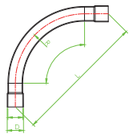
ITEM NO: AED043

MALE+FEMALE CONDUIT BUSH

Nom Size	D	d	d1	
25	32	20.9	20.9	18.2
32	39.4	26.3	26.3	18.5
50	57	43.9	43	23.5

Electric Conduits&Fittings

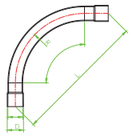
PVC-U INSULATING ELECTRICAL PIPES & FITTINGS AS/NZS 61386



ITEM NO: AEDC002

(MD)SWEEP BEND 90°GREY

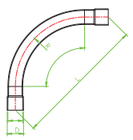
Nom Size	D	d	R	L
∅25×90°R150×L285mm 1.8	29.2	25.6	150	285
∅32×90°R175×L360mm 2.6	37.8	32.6	175	360
∅40×90°R220×L440mm 2.6	45.8	40.6	220	440
∅40×90°R100×L260mm 2.6	45.8	40.6	100	260



ITEM NO: AEDC002

(HD)SWEEP BEND 90°ORANGE

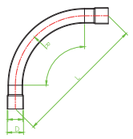
Nom Size	D	d	R	L
∅20×90°R100×L220mm 2.3	25.2	20.6	100	220
∅20×90°R155×L300mm 2.3	25.2	20.6	155	300
∅25×90°R140×L288mm 2.5	30.6	25.6	140	288
∅32×90°R295×L555mm 2.8	38.2	32.6	295	555
∅40×90°R320×L600mm 3.0	46.6	40.6	320	600
∅40×90°R95×L250mm 3.0	46.6	40.6	95	250
∅50×90°R130×L330mm 3.6	57.8	50.6	130	330
∅50×90°R280×L575mm 3.6	57.8	50.6	280	575
∅63×90°R278×L585mm 4.0	71.6	63.6	278	585



ITEM NO: AEDC003

TELSTRA BEND 90°

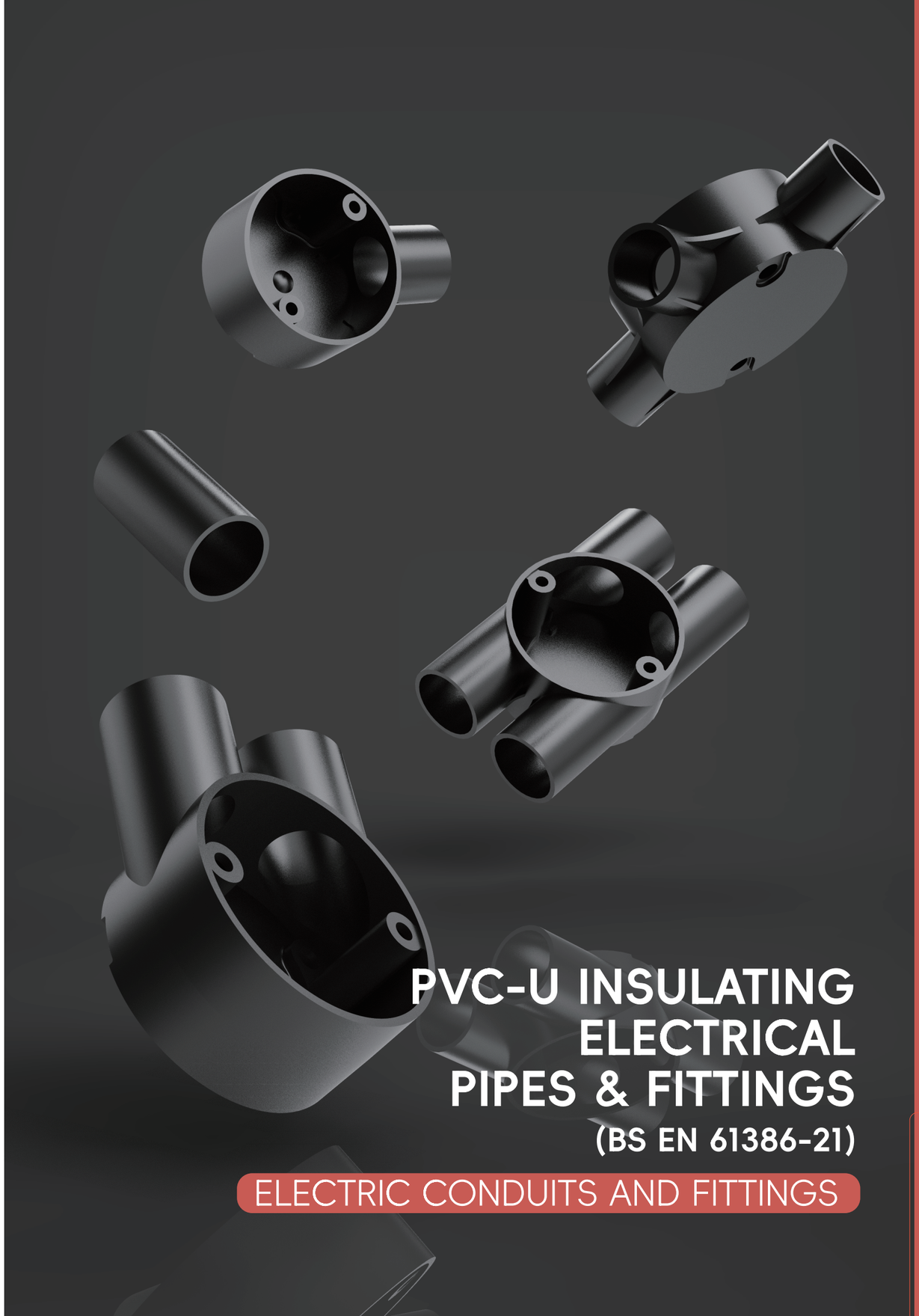
Nom Size	D	d	R	L
∅20×90°R320×L595mm 1.5	26.7	23.8	320	595
∅20×90°R100×L285mm 1.5	26.7	23.7	100	285
∅50×90°R285×L595mm 2.8	60.7	55.1	285	595
∅40×90°R250×L485mm 1.9	48.5	44.7	250	485



ITEM NO: AUCN002

TELECOM SWEEP BEND 90°GREEN

Nom Size	D	d	R	L
∅20×90°R95×205mm 1.5	26.7	23.7	95	205
∅20×90°R252×430mm 1.5	26.7	23.7	252	430

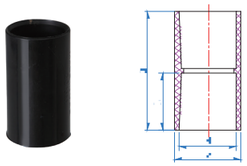


Electric Conduits&Fittings

ITEM NO: MED001

CONDUIT (medium type)

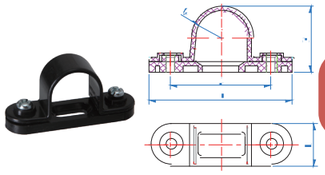
Nom Size	d
20	19.8-20
25	24.8-25



ITEM NO: MED002

STRAIGHT COUPLER

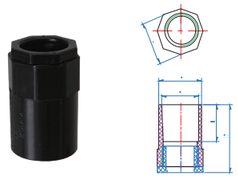
Nom Size	d	D	H	L
19	19.15	22.6	48.6	23.3
20	20.15	24	42.6	20.3
25	25.15	29	52.6	25.3
32	36.2	32.3	32.5	67.5
38	42.8	38.3	39	80.5
50	56	50.3	50.5	103.5



ITEM NO: MED003

SPACER BAR SADDLE

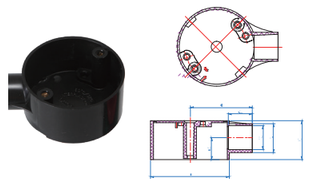
Nom Size	d	D	H	L	R
20	39	55	25.05	16	R10
25	46	63	26.5	16	R12.5



ITEM NO: MED005

FEMALE ADAPTOR

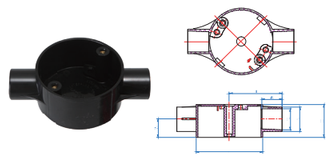
Nom Size	d	D	H	L	R
19	19.15	22.6	37.3	20.3	24
20	20.15	24	37.3	20.3	24
25	25.15	29	43.3	25.3	29
32	32.3	35.9	52	32.5	36.2
38	38.3	42.4	59	39	42.8
50	50.3	54.6	71	50.5	55



ITEM NO: MED006

TERMINAL-1 WAY

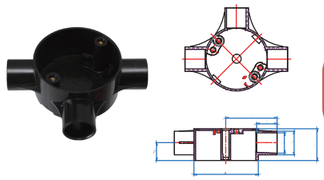
Nom Size	D	d	d1	H	L	L1	L2
19	65	51.7	19.2	32	22.6	19.15	17.8
20	65	51.7	19.2	32	24	20.15	17.8
25	65	57	24.5	32	29	25.15	16



ITEM NO: MED007

THROUGH-2 WAY

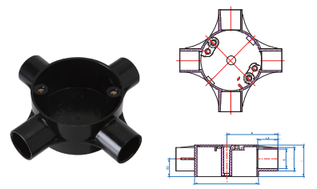
Nom Size	D	d	d1	H	L	L1	L2
19	65	51.7	19.2	32	22.6	19.15	17.8
20	65	51.7	19.2	32	24	20.15	17.8
25	65	57	24.5	32	29	25.15	16



ITEM NO: MED008

TEE-3 WAY

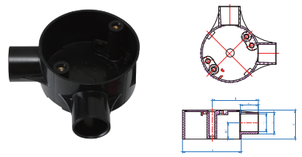
Nom Size	D	d	d1	H	L	L1	L2
19	65	51.7	19.2	32	22.6	19.15	17.8
20	65	51.7	19.2	32	24	20.15	17.8
25	65	57	24.5	32	29	25.15	16



ITEM NO: MED009

INTERSECTION-4 WAY

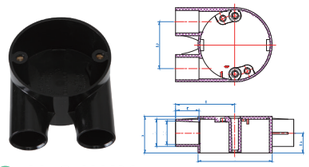
Nom Size	D	d	d1	H	L	L1	L2
19	65	51.7	19.2	32	22.6	19.15	17.8
20	65	51.7	19.2	32	24	20.15	17.8
25	65	57	24.5	32	29	25.15	16



ITEM NO: MED010

ANGLE-2 WAY

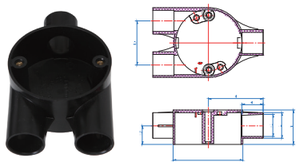
Nom Size	D	d	d1	H	L	L1	L2
19	65	51.7	19.2	32	22.6	19.15	17.8
20	65	51.7	19.2	32	24	20.15	17.8
25	65	57	24.5	32	29	25.15	16



ITEM NO: MED011

U-2 WAY

Nom Size	D	d	d1	H	L	L1	L2	L3
19	65	51.7	19.2	32	22.6	19.15	17.8	41
20	65	51.7	19.2	32	24	20.15	17.8	41
25	65	57	24.5	32	29	25.15	16	36



ITEM NO: MED012

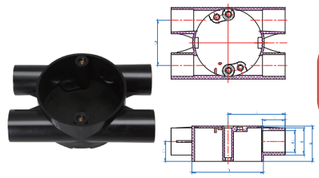
Y-3 WAY

Nom Size	D	d	d1	H	L	L1	L2	L3
19	65	51.7	19.2	32	23.2	19.15	17.8	41
20	65	51.7	19.2	32	24	20.15	17.8	41
25	65	57	24.5	32	29	25.15	16	36

ITEM NO: MED014

CIRCULAR LID

Nom Size	D	d	L1	L2
66	65	5	4.5	18
85	85	5	4.5	18



ITEM NO: MED013

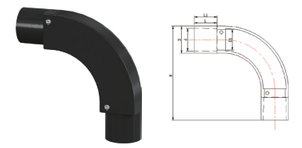
H-4WAY H

Nom Size	D	d	d1	H	L	L1	L2	L3
19	65	51.7	19.2	32	23.2	19.15	17.8	41
20	65	51.7	19.2	32	24	20.15	17.8	41
25	65	57	24.5	32	29	25.15	16	36

ITEM NO: MED004

NORMAL BENDS-SLIP TYPE

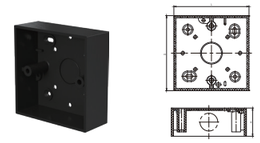
Nom Size	d	L	R
20	19.8-20	180	R70
25	24.8-25	285	R150



ITEM NO: MED015

INSPECTION BEND

Nom Size	D	d	d1	L	L1	H
20X1.9	24	20.15	18.3	20	20.3	83
25X1.9	29	25.15	22.3	27.3	25.3	103.7



ITEM NO: MED016

CONDUIT ADAPTABLE BOX

Nom Size	D	L	H
86X86X33	86	86	32.3

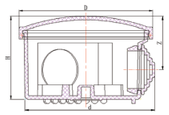
ITEM NO: MED017

CONDUIT ADAPTABLE BOX

Nom Size	D	L	H
145X86X33	86	145	31

Electric Conduits&Fittings

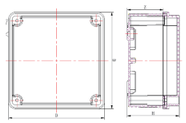
PVC-U INSULATING ELECTRICAL PIPES & FITTINGS BS EN 61386-21



ITEM NO: MED021

ROUND WEATHER PROOF MOULDED ENCLOSURES

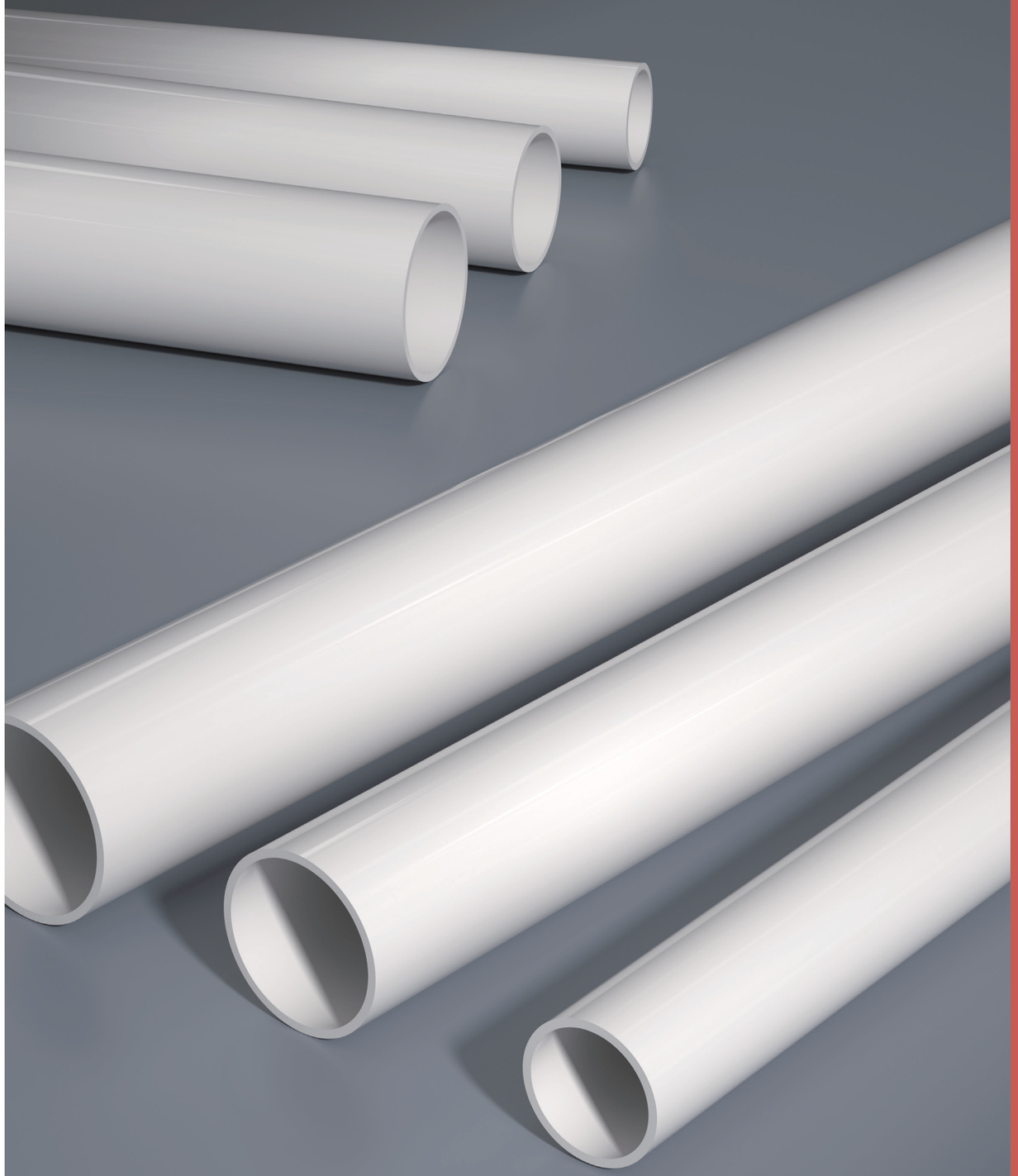
Nom Size	D	d	Z	H
65X35	75.3	73.1	29.9	46.5
80X40	92.5	90.3	34.4	50.3



ITEM NO: MED022

SQUARE WEARTHER PROOF MOULDED ENCLOSURES

Nom Size	D	Z	H
80X80X40	107.1	40.2	58



ASTM UL651

Electric Conduits&Fittings

PVC-U INSULATING ELECTRICAL PIPES & FITTINGS ASTM UL651

AME001 AMERICAN UPVC CONDUIT WITH ONE COUPLING END 3-METERS

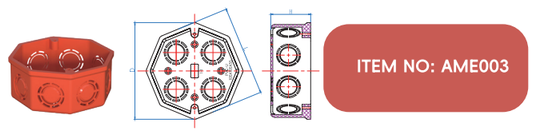
Size Nom			
1/2×2.77	3/4×2.87	1×3.38	1-1/4×3.56
1-1/2×3.68	2×3.91	2-1/2×5.16	3×5.49
4×6.02	6×7.11		

AME002 ASTM D2241, SDR26 3METER/PC

Size Nom			
1/2'x1.524	3/4'x1.524	1"x1.524	1-1/4"x1.63
1-1/2"x1.85	2"x2.31	2-1/2x2.8	3"x3.43
4x4.39			

AME002 ASTM D2241, SDR26 3METER/PC WITH ONE BELL END

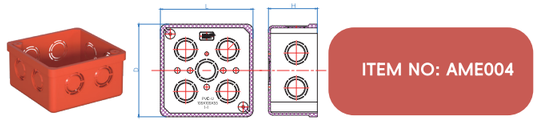
Size Nom			
1/2'x1.524	3/4'x1.524	1"x1.524	1-1/4"x1.63
1-1/2"x1.85	2"x2.31	2-1/2x2.8	3"x3.43
4x4.39			



ITEM NO: AME003

OCTAGULAR JUNCTION BOX

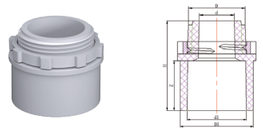
Nom Size	D	L	H
105X105X47	113.4	105.5	46.8



ITEM NO: AME004

SQUARE BOX

Nom Size	D	L	H
105X105X55	106	106	55.9



ITEM NO: AME005

IRON ADAPTOR MALE

Nom Size	D	d	D1	d1	Z	H
1/2"	1/2"	12.7	26.7	21.6	18	32.5
3/4"	3/4"	18	32.1	27	19	33.5
1"	1"	23.7	39.1	3.8	23	40
1-1/4"	1-1/4"	31.5	48.9	42.6	24.6	42.6
1-1/2"	1-1/2"	37.3	55.1	48.7	28	47.2
2"	2"	48.7	67.6	60.8	30	50.5

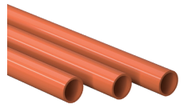
PVC-U INSULATING ELECTRICAL FITTINGS

(IEC 61386-23/IEC 61386-21/IEC 61386-22)

Electric Conduits&Fittings

PVC-U INSULATING ELECTRICAL PIPES & FITTINGS IEC61386

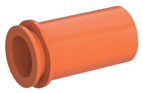
Chile (DIN)

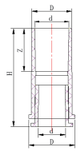


ITEM NO: CHE001

CONDUIT

External diameter (mm)						
	Middle type	16	20	25	32	40
	Light type	16	20	25	32	40

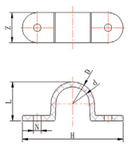




ITEM NO: CHE003

CONDUIT ADAPTOR WITH LOCK RING

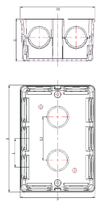
Nom Size	D	d	D1	d1	Z	H
16	19.1	16.15	22	13	20.5	43
20	23.5	20.15	23.7	16.7	20.5	42.9
25	28.6	25.1	28.9	21.5	25.5	53
32	36.3	32.1	36.7	27.8	32.5	67



ITEM NO: CHE005

CONDUIT MOUNTING SADDLE

Nom Size	D	d	N	L	Z	H
16	10.1	7.8	3.5	18.1	14	47



ITEM NO: CHE007

CONDUIT ADAPTABLE BOX

Nom Size	D	d	L	L1	D1	H
105X77X40	104.6	77	40.9	26.9	66.6	40

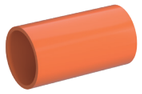
CONDUIT ADAPTABLE BOX

Nom Size	D	d	L	L1	Z	H
100X77X40	101	71	27.1	41.1	40	71

ITEM NO: CHE006

SWEEP BEND

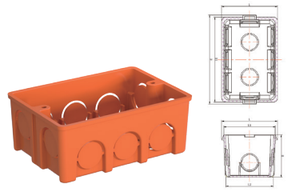
Nom Size	D	d	L	R	H
16	18.3	16.2	20.5	28	73
20	22.5	20.2	20.5	35	83
25	27.9	25.2	25.5	38	96
32	35.3	32.2	32.5	50	123
40	44.1	40.2	34	70	156
50	54.8	50.4	44	78	180



ITEM NO: CHE002

COUPLING

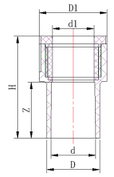
Nom Size	D	d	Z	H
16	19.1	16.1	20.5	43
20	23.4	20.1	20.5	42.9
25	28.6	25.1	25.5	53
32	36.3	32.1	32.5	67



ITEM NO: CHE008

CONDUIT DEEP ADAPTABLE BOX

Nom Size	D	d	D1	L	L1	H
105X65X50	104.6	65	55.1	27	41	50



ITEM NO: CHE004

SCREWED CONVERTERS

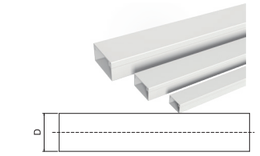
Nom Size	D	d	D1	d1	Z	H
16	19.1	16.1	24.5	20X1.5	20.5	34.2
20	23.4	20.1	25.1	20X1.5	20.5	34
25	28.6	25.1	30.3	24.5X1.5	25.5	42.7
32	36.3	32.1	38.1	32X1.5	32.5	51.3
40	45.4	40.1	47.4	39.5X2	34	53.2

PVC INSULATING ELECTRICAL TRUNKING

ELECTRIC TRUNKING AND FITTINGS

Electric Conduits&Fittings

PVC INSULATRING ELECTRICAL TRUNKING



ITEM NO:EDT01

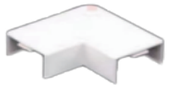
TRUNKING 2M/PC

Nom Size		
15X10	30X15	60X40
16X16	40X20	80X40
20X10	40X25	100X27
25X15	50X25	100X40
25X25	60X25	100X60

ITEM NO:HEDT01

SELF-ADHESIVE TRUNKING 2M/PC

Nom Size	Wall Thickness (mm)	Nom Size	Wall Thickness (mm)
15X10	0.50	60X40	1.10
15X10	0.70	60X40	1.35
20X10	0.60	60X60	1.40
20X10	0.80	33X33	1.00
16X16	0.60	75X50	1.40
16X16	0.85	75X50	1.20
23X13	0.60	75X50	1.70
23X13	0.80	80X40	1.20
24X15	0.65	80X40	1.50
24X15	0.78	80X50	1.20
25X16	0.75	80X50	1.40
25X16	0.98	100X27	1.20
30X15	0.60	100X40	1.30
30X15	1.00	100X40	2.00
30X20	1.00	100X45	1.40
40X20	0.75	100X50	1.40
40X20	0.98	100X50	1.60
25X25	0.90	100X50	2.00
40X25	0.68	100X60	1.20
40X25	0.90	100X60	1.40
40X40	1.00	100X60	1.60
50X25	0.90	100X75	1.60
50X25	1.20	100X100	1.70
50X50	1.00	100X100	2.00
50X50	1.30	120X80	1.80
59X22	0.90	150X50	2.00
59X22	1.00	150X100	1.96



ITEM NO:HEDT07

FLAT ELBOW

Nom Size		
15X10	30X15	100X50
20X10	40X20	
25X15	80X50	

ITEM NO:HEDT02

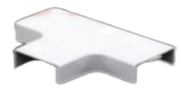
INSIDE CONNECTOR

Nom Size		
15X10	30X15	100X50
20X10	40X20	
25X15	80X50	

ITEM NO:HEDT03

ELBOW

Nom Size		
15X10	30X15	100X50
20X10	40X20	
25X15	80X50	



ITEM NO:HEDT04

TEE

Nom Size		
15X10	30X15	100X50
20X10	40X20	
25X15	80X50	

ITEM NO:HEDT06

END CAP

15X10	30X15	100X50
20X10	40X20	
25X15	80X50	

ITEM NO:HEDT05

COUPLING

Nom Size		
15X10	30X15	100X50
20X10	40X20	
25X15	80X50	

AS SWITCH AND SOCKET

AS/NZS 3112 AS/NZS 3100 AS/NZS 3133

AS SWITCH AND SOCKET

ITEM NO: GYS01 — 1 Gang Classic Wall Switch 10A 250V

1 Gang Wall Switch
Material: Polycarbonate
Plate size: 118x73mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYS02 — 2 Gang Classic Wall Switch 10A 250V

2 Gang Wall Switch
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 13mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYS03 — 3 Gang Classic Wall Switch 10A 250V

3 Gang Wall Switch
Material: Polycarbonate
Plate size: 118x73mm
Rated Voltage: 250V AC
Thickness: 11mm
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYS04 — 4 Gang Classic Wall Switch 10A 250V

4 Gang Wall Switch
Material: Polycarbonate
Plate size: 118x73mm
Rated Voltage: 250V AC
Thickness: 11mm
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYS05 — 5 Gang Classic Wall Switch 10A 250V

5 Gang Wall Switch
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 11mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYS06 — 6 Gang Classic Wall Switch 10A 250V

6 Gang Wall Switch
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 11mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

AS SWITCH AND SOCKET

ITEM NO: GYS07 — Blank Cover Plate

Blank Cover Plate
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 10mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYP01 — Single Powerpoint 10A 250V white Horizontal

Single Powerpoint
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 13mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYP02 — Single Powerpoint 15A 250V white Horizontal

Single Powerpoint
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 13mm
Rated Voltage: 250V AC
Rated Current: 15A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYP03 — Single Powerpoint with extra Switch 10A 250V

Single Powerpoint with extra Switch
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 13mm
Plate Thickness:10mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYP04 — Double Powerpoint 10A 250V

Double Powerpoint
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 13mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

ITEM NO: GYP06 — Double Powerpoint 15A 250V

Double Powerpoint
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 13mm
Rated Voltage: 250V AC
Rated Current: 15A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm²

Electric Conduits&Fittings

AS SWITCH AND SOCKET

ITEM NO: GYP05 — Double Powerpoint with Extra Switch 10A

Double Powerpoint
Material: Polycarbonate
Plate size: 118x73mm
Thickness: 13mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Fixing Center: 84mm
Recommend Cable: 1.5mm^2

ITEM NO: GYP08 — Single Powerpoint with USB+C

Material: Polycarbonate
Plate size: 118x73mm
Thickness: 13mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Specifications for USB charge
Input Voltage: 220-240V
Output Voltage: 5V DC
Output Current: A+C ports,2.4A
Recommend Cable: 1.5mm^2

ITEM NO: GYP09 — Double Powerpoint with USB A+C

Material: Polycarbonate
Plate size: 118x73mm
Thickness: 13mm
Rated Voltage: 250V AC
Rated Current: 10A
Mounting Position: Horizontal
Color: White
Fixing: by Screws
Specifications for USB charge
Input Voltage: 220-240V
Output Voltage:5V DC
Output Current:A+C ports,2.4A
Recommend Cable: 1.5mm^2

ITEM NO: GYM01 — Switch Mechanism on/off 10A 250V

Switch Mechanism ON/OFF
Material: Polycarbonate
Dimensions: 22x22x30mm
Rated Voltage: 250V AC
Rated Current: 10A
Color: White
Standard Classic Switch
Suitable for Full Face Cover Plate
Supports from 1 to 6 Gang Switch
Easily Removed
Recommend Cable: 1.5mm^2

ITEM NO: GYTB01 — Double Outlet Plug Base 10A

Double Outlet Plug Base
Material: Polycarbonate
Rated Voltage: 250V AC
Rated Current: 10A
Socket Type: Rear
Color: White
Dimensions:116x70x56H(mm)
Fixing: by Screws
Includes Clear Rear Clip-on Cover
Incorporated Looping Terminal
Suitable for use with Downlights, Fans and so on
Recommend Cable: 1.0-2.5mm^2

ITEM NO: GYPB02 — Quick Connect Single Surface Socket 10 A

3 Pin Single Outlet Plug Base
Material: Polycarbonate
Rated Voltage: 250V AC
Rated Current: 10A
Socket Type: Rear
Color: White
Dimensions: 65x57H(mm)
Fixing: by Screws
Includes Clear Rear Clip-on Cover
Suitable for use with Downlights,Fans and so on
Recommend Cable: 1.0-2.5mm^2

Electric Conduits&Fittings

ITEM NO: GYPB03 — Quick Connect Single Surface Socket 10 A

3 Pin Single Outlet Plug Base
Material: Polycarbonate
Rated Voltage: 250V AC
Rated Current: 10A
Socket Type: Rear
Color: White
Dimensions: 58x50H(mm)
Fixing: by Screws
Includes Clear Rear Clip-on Cover
Suitable for use with Downlights,Fans and so on
Recommend Cable: 1.0-2.5mm^2

ITEM NO: GYP04 — Quick Connect Surface Socket 3Pin 10A in White

3 Pin Single Outlet Plug Base
Material: ABS+PA66
Rated Voltage: 250V AC
Rated Current: 10A
Color: White
Dimensions: 46x47x70H(mm)
Fixing Center: 50mm
Quick Connection and Easy Installation
Suitable for use with Downlights,Fans and so on
Recommend Cable: 1.0-2.5mm^2

ITEM NO: GYSC01 — Connector Single Screw 32A 550V Blue

Single or double cable connectors
Material: Transparent PC
Screw Material: Copper
Max. Current: 32A/40A
Dimensions: 23x14x23mm
Color: Blue
Wiring hole: 6mm
Dimensions:
QTY: 50 pcs/Pack 100 pcs/Pack
Suitable for L.N and Earth Conductors
Philips and Flat Screw combination

ITEM NO: GYDC01 — Connector Double Screw 40A 500V Blue

Single or double cable connectors
Material: Transparent PC
Screw Material: Copper
Max. Current: 32A/40A
Dimensions: 31x14x23mm
Color: Blue
Wiring hole: 6mm
Dimensions:
QTY: 50 pcs/Pack
Suitable for L.N and Earth Conductors
Philips and Flat Screw combination

ITEM NO: GYJB01 — Junction Box with connectors

Junction box
Material: Polycarbonate
Dimensions: 80Wx35H60D(mm)
Color: White
Wiring hole: 6mm
Features: With three single connector(32A) and one double connector(40A). It suits up to 3x6mm^2 cable.

Electric Conduits&Fittings

PLASTIC PIPE CEMENT

ACCESSORIES

PLASTIC PIPE CEMENT

For more details in selecting the right ERA products for your application, please refer to the product sheets below.

	Viscosity	Listing	COLOR	Max Pipe Size	Item Code	DN	15	50	75	100	150	200	250	300	400	500	750
						Inch	1/2	2	3	4	6	8	10	12	16	20	30
CPVC Pipe Glue	MEDIUM BODY	NSF SP LOW VOC	Yellow	8"	8213	PLUMBING											
	HEAVY BODY	NSF LOW VOC	Orange	12"	8635	PLUMBING											
		NSF LOW VOC	Gray	12"	8125	INDUSTRIAL											
		NSF LOW VOC	Red	3"-6"	9611	FIRE FIGHTING											
ABS Pipe Glue	HEAVY BODY	NSF LOW VOC	Milky	12"	L-2735	INDUSTRIAL											
		LOW VOC	Milky	16"	2735	INDUSTRIAL											
PVC Pipe Glue	EXTRA HEAVY BODY		White	30"	5727	INDUSTRIAL											
		NSF LOW VOC	Gray	20"	L-5727	INDUSTRIAL											
	HEAVY BODY	NSF LOW VOC	Clear	12"	L-5023	INDUSTRIAL											
		NSF SP LOW VOC	Gray	12"	L-5125	INDUSTRIAL											
			Gray	12"	5125	INDUSTRIAL											
	MEDIUM BODY		Clear	6"	2011	PLUMBING											
			Clear	6"	2013	PLUMBING											
			Clear	6"	3011	PLUMBING											
		NSF LOW VOC	Clear	6"	L-3011	PLUMBING											
		NSF LOW VOC	Clear	8"	L-6023	PLUMBING											
		NSF LOW VOC	Clear	6"	L-6053	EXTREMELY FAST SETTING											
		NSF LOW VOC	Blue	6"	L-6453	EXTREMELY FAST SETTING											
		LOW VOC	Clear	8"	L-6073	VERY FAST SETTING											
		LOW VOC	Blue	8"	L-6373	VERY FAST SETTING											
		NSF LOW VOC	Blue	6"	L-6353	POOL & SPA											
		NSF LOW VOC	Blue	8"	6353	POOL & SPA											
	REGULAR BODY	NSF LOW VOC	Clear	4"	L-3010	PLUMBING											
			Clear	4"	3020	PLUMBING											
Primer & Cleaner	WATER THIN	LOW VOC	Clear	/	C-1020	FOR ALL PIPES											
		NSF LOW VOC	Clear Purple	/	P-1030	FOR ALL PIPES											
		NSF LOW VOC	Clear Purple	/	P-1050	FOR ALL PIPES											

2011

CLEAR

Recommended application field
PVC DWV (Drainage, Waste, Ventilation)
& Electric Conduit Application

Fast Setting
Medium Body

18 Months Shelf Life
ASTM D-2564 QB/T2568-2002
Max. Pipe Size Under 8"(200mm)
946ml/473ml/237ml/118ml

CLEAR

2013

Recommended application field
PVC Plumbing Application

Fast Setting
Medium Body

3Years Shelf Life
ASTM D-2564 QB/T2568-2002
Max. Pipe Size
Under 8"(200mm)
946ml/473ml/237ml/118ml

L-5023 CLEAR

Recommended application field
PVC Industrial & Plumbing Application

PW-DWV-SW

Medium Setting·Heavy Body
Max. Pipe Size12"(300mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

L-3011 CLEAR

Recommended application field
PVC Plumbing Application

PW-DWV-SW

Medium Setting · Medium Body
Max. Pipe Size 6"(160mm)
3Years Shelf Life
ASTM D-2564

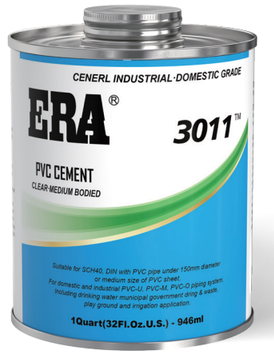
4000ml/946ml/473ml/237ml/118ml

3011 CLEAR

Recommended application field
PVC Plumbing Application

Medium Setting · Medium Body
3Years Shelf Life
ASTM D-2564
Max. Pipe Size 6"(160mm)

946ml/473ml/237ml/118ml



5125 GRAY

Recommended application field
PVC Chemical, Industrial & Plumbing Application

Medium Setting · Heavy Body
3Years Shelf Life
ASTM D-2564
Max. Pipe Size 12"(300mm)

946ml/473ml/237ml/118ml

L-5125 GRAY

Recommended application field
PVC Chemical, Industrial & Plumbing Application

PW-DWV-SW

Medium Setting · Heavy Body
Max. Pipe Size 12"(300mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

L-5727 GRAY

Recommended application field
PVC Industrial Application Larger Diameter

PW-DWV-SW

Slow Setting · Extra Heavy Body
Max. Pipe Size 20"(500mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

5727 WHITE

Recommended application field
PVC Industrial Application Larger Diameter

Slow Setting · Extra Heavy Body
Max. Pipe Size 30"(750mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

L-3010 CLEAR

Recommended application field
PVC Plumbing Application Non-THF Formulation

PW-DWV-SW

Fast Setting · Regular Body
Max. Pipe Size 4"(110mm)
2Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

3020 CLEAR

Recommended application field
PVC Plumbing Application Non-THF Formulation

Fast Setting · Regular Body
Max. Pipe Size 4"(110mm)
18 Months Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

L-6353 BLUE

Recommended application field
PVC Plumbing Application Pool & Spa

NSF PW-DWV-SW
LOW VOC

Fast Setting · Medium Body
Max. Pipe Size 6" (160mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

6353 BLUE

Recommended application field
PVC Plumbing Application Pool & Spa

Fast Setting · Medium Body
Max. Pipe Size 8"(200mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

L-6023 CLEAR

Recommended application field
PVC Plumbing Application

NSF PW-DWV-SW
LOW VOC

Fast Setting · Medium Body
Max. Pipe Size 8"(200mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

L-6053 CLEAR

Recommended application field
PVC Plumbing Application

NSF PW-DWV-SW · LOW VOC

Extremely Fast Setting · Medium Body
Max. Pipe Size 6"(150mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

L-6073 CLEAR

Recommended application field
PVC Plumbing Application Irrigation & Agriculture

LOW VOC

Very Fast Setting · Medium Body
Max. Pipe Size 8"(200mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

L-6373 BLUE

Recommended application field
PVC Plumbing Application Irrigation & Agriculture

LOW VOC

Very Fast Setting · Medium Body
Max. Pipe Size 8"(200mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

L-6453 BLUE

Recommended application field
PVC Plumbing Application

NSF PW-DWV-SW · LOW VOC

Extremely Fast Setting · Medium Body
Max. Pipe Size 6"(160mm)
3Years Shelf Life
ASTM D-2564

946ml/473ml/237ml/118ml

8125

GRAY

Recommended application field
CPVC Chemical & Industrial Application

NSF PW-DWV-SW LOW VOC

Medium Setting · Heavy Body
Max. Pipe Size 12"(300mm)
2 Years Shelf Life
ASTM F-493

946ml/473ml/237ml/118ml

8213

YELLOW

Recommended application field
CPVC Plumbing Application Potable, Hot & Cold Water Distribution

NSF PW-DWV-SW LOW VOC

Medium Setting · Medium Body
Max. Pipe Size 8"(200mm)
2 Years Shelf Life
ASTM F-493

946ml/473ml/237ml/118ml

8635

ORANGE

Recommended application field
CPVC Plumbing piping system

NSF PW-DWV-SW LOW VOC

Medium Setting · Heavy Body
Max. Pipe Size 12"(300mm)
2 Years Shelf Life
ASTM F-493

946ml/473ml/237ml/118ml

9611

RED

Recommended application field
Formulated & Tested For CPVC Fire Sprinkler System

NSF PW-DWV-SW LOW VOC

Medium Setting · Heavy Body
Max. Pipe Size 3-6"(100-150mm)
2 Years Shelf Life
ASTM F-493

946ml/473ml/237ml/118ml

2735

Milky

Recommended application field
ABS Industrial & Plumbing Application

LOW VOC

Medium Setting · Heavy Body
Max. Pipe Size 16"(400mm)
3 Years Shelf Life
ASTM D-2235

946ml/473ml/237ml/118ml

946ml/473ml/237ml/118ml

L-2735

Milky

Recommended application field
ABS Industrial & Plumbing Application

ABS

NSF
PW-DWV-SW
LOW VOC

Medium Setting · Heavy Body
Max. Pipe Size 12"(300mm)
3Years Shelf Life
ASTM D-2235

946ml/473ml/237ml/118ml

1020

CLEAR

Recommended application field
Apply Cleaner on piping before installation to
remove the surface contamination

LOW VOC

Water Thin
Max. Pipe Size For all Sizes
3 Years Shelf Life

946ml/473ml/237ml/118ml

CLEANER

1030

CLEAR / PURPLE

Recommended application field
Apply Primer on piping before cementing to increase the joint strength

PW-DWV-SW

Water Thin
Max. Pipe Size For all Sizes
3 Years Shelf Life
ASTM F-656

946ml/473ml/237ml/118ml

1050

CLEAR / PURPLE

Recommended application field
Apply Primer on piping before cementing to increase the joint strength

PW-DWV-SW

Water Thin
Max. Pipe Size For all Sizes
3 Years Shelf Life
ASTM F-656

946ml/473ml/237ml/118ml

NEW

ALUMINUM TUBE CUSTOMIZATION

L-5023

CLEAR

Recommended application field
PVC Industrial & Plumbing Application

Medium Setting · Heavy Body
Max. Pipe Size 12"(300mm)
3Years Shelf Life
ASTM D-2564

100ml

PW-DWV-SW

L-3010

CLEAR

Recommended application field
PVC Plumbing Application
Non-THF Formulation

Fast Setting · Regular Body
Max. Pipe Size 4"(110mm)
3Years Shelf Life
ASTM D-2564

50ml

PW-DWV-SW

3061

CLEAR

Recommended application field
PVC DWV (Drainage, Waste, Ventilation)
& Electric Conduit Application

Fast Setting · Medium Body
Max. Pipe Size 6"(DN150)
ASTM D2564
2-Year Shelf Life

25ml

Parts

For cementing details,please refer to ERA Installation or product manual

Average Number of Joints/QT(946ml≈1000g)

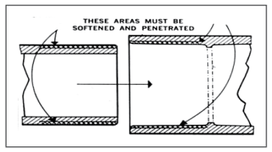
Diameter	1/2"	1"	2"	4"	6"	8"	10"	12"
Joint Number	300	125	60	30	10	5	2	1

Note-Add 30% for additional waste in operation

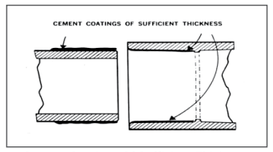
Net weight and packing

Unit	Volume	Approx.Weighe	Pcs/Ctn
Qt	946ml	1kg	12
PT	476ml	0.5kg	12
1/2PT	237ml	0.25kg	24
1/4PT	118ml	0.12kg	48

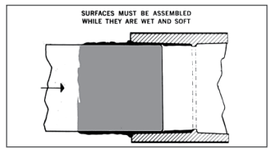
Principal Of Plastic Piping Adhesive



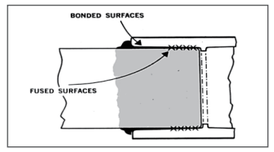
These Areas Must Be Softened And Penetrated



Cement Coatings Of Sufficient Thickness



Surfaces Must Be Assembled While They Are Wet And Soft

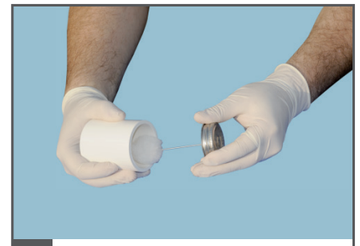


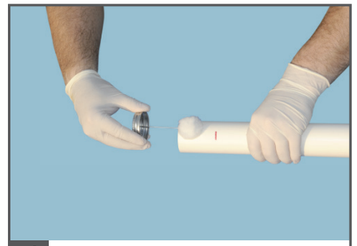
Bonded Surfaces/Fused Surfaces

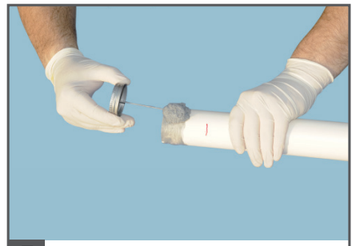
Step Of Plastic Piping Connection

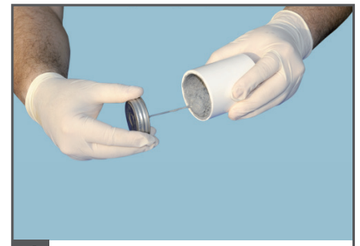
1 Cut square, de-burr, bevel 15°

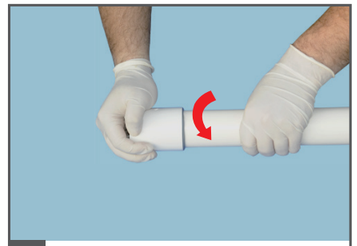
2 Mark gluing boundary

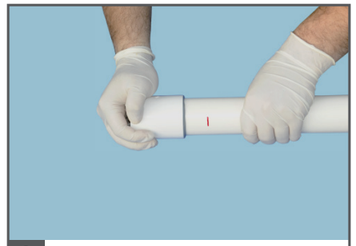

3 Apply primer in fitting socket


4 Apply primer on pipe


5 Apply full even layer of cement on pipe


6 Apply thin even layer of cement in fitting socket


7 Push pipe to fitting socket bottom w/ 1/4 turn twist


8 Hold the joint for 30sec

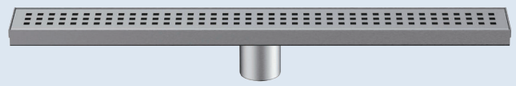
9 Remove excess cement from pipe & fitting

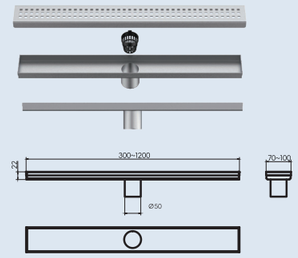
Note:

1. When install in the hot weather, store the cement and primer in the cooling place, wipe the pipe and fitting with damp rag to lower the temperature, and dry the surface before bonding
2. When install in the cold weather, store the cement and primer in the warmer or normal temperature place, prepare all the materials in the worm working condition, including the pipe and fitting
3. Wipe off the excess water such as ice and snow when install in winter. Apply the primer to soften the surface first before applying cement
4. Cold temperature will lead to longer curing time before pressuring than normal temperature, apply the heating equipment such electric blanket to shorten the curing time
5. When connect the big size pipe, more installer will be needed for setup, or apply the pulling machine. Suggest 2~3 people for 6~8”pipe, 3~4 people for 10~30”pipe

STAINLESS STEEL FLOOR DRAIN

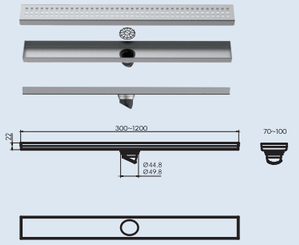
MODEL: ERA2001





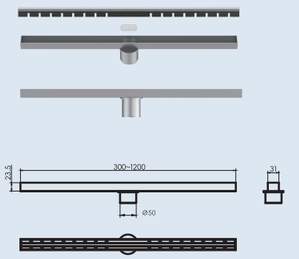
Material: 1.0 SUS304 stainless steel
Size: L300-1200 X W70mm
Outlet diameter: Ø50mm

MODEL: ERAC2001



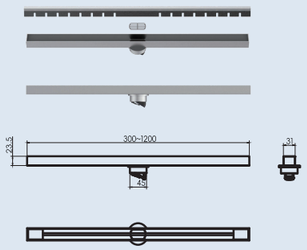
Material: 1.0 SUS304 stainless steel
Size: L300-1200 X W70mm
Outlet diameter: Ø45mm

MODEL: ERA2003



Material: 2.0 SUS304 stainless steel
Size: L300-1200 X W31mm
Outlet diameter: Ø50mm

MODEL: ERAC2003

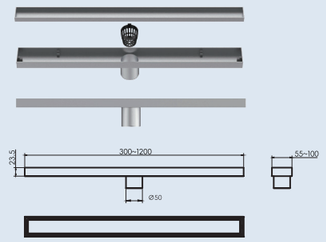


Material: 2.0 SUS304 stainless steel
Size: L300-1200 X W31mm
Outlet diameter: Ø45mm

Accessoris

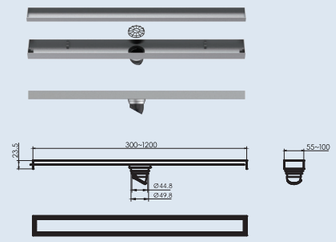
MODEL: ERA2003-1

Material: 2.0 SUS304 stainless steel
Size: L300-1200 X W55mm
Outlet diameter: Ø50mm



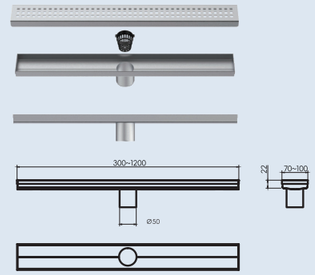
MODEL: ERAC2003-1

Material: 2.0 SUS304 stainless steel
Size: L300-1200 X W55mm
Outlet diameter: Ø45mm



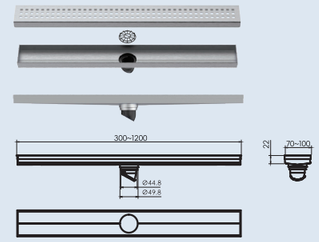
MODEL: ERA2004

Material: 1.0 SUS304 stainless steel
Size: L300-1200 X W70mm
Outlet diameter: Ø50mm

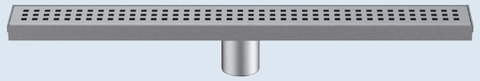


MODEL: ERAC2004

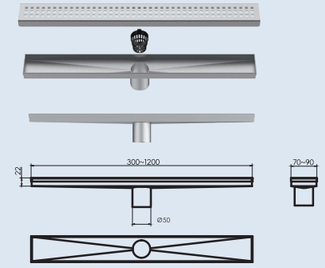
Material: 1.0 SUS304 stainless steel
Size: L300-1200 X W70mm
Outlet diameter: Ø45mm



MODEL: ERA2006

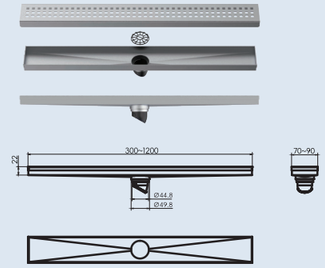


Material: 1.0 SUS304 stainless steel
Size: L300-1200 X W70mm
Outlet diameter: Ø50mm



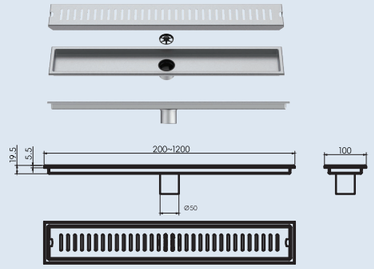
MODEL: ERAC2006

Material: 1.0 SUS304 stainless steel
Size: L300-1200 X W70mm
Outlet diameter: Ø45mm



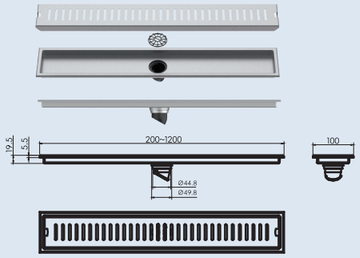
MODEL: ERA2009

Material: 0.8 SUS304 stainless steel
Size: L300-1200 X W100mm
Outlet diameter: Ø50mm

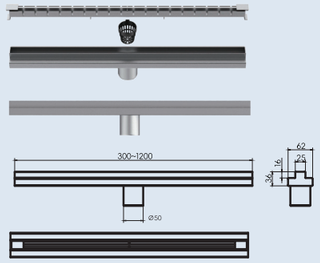


MODEL: ERAC2009

Material: 0.8 SUS304 stainless steel
Size: L300-1200 X W100mm
Outlet diameter: Ø45mm

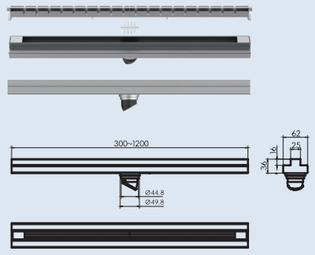


MODEL: ERA2011



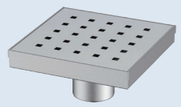
Material: 1.0 SUS304 stainless steel
Size: L300-1200 X W62mm
Outlet diameter: Ø50mm

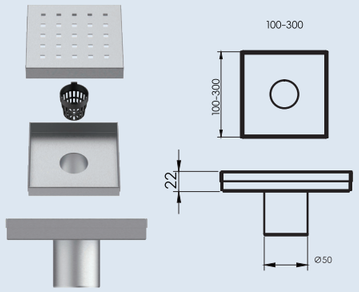
MODEL: ERAC2011



Material: 1.0 SUS304 stainless steel
Size: L300-1200 X W62mm
Outlet diameter: Ø45mm

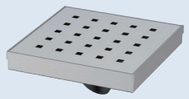
MODEL: ERA4001

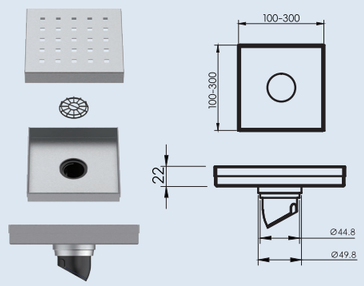




Material: 1.0 SUS304 stainless steel
Size: L100-300 X W100-300mm
Outlet diameter: Ø50mm

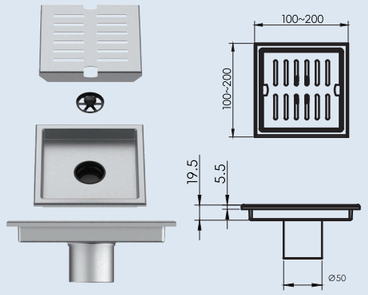
MODEL: ERAC4001





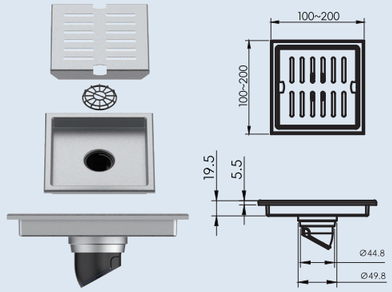
Material: 1.0 SUS304 stainless steel
Size: L100-300 X W100-300mm
Outlet diameter: Ø45mm

MODEL: ERA4009



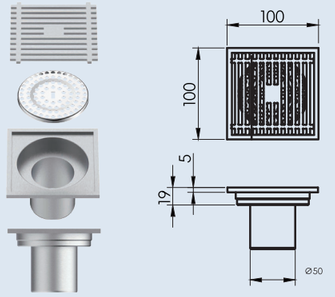
Material: 0.8mm SUS304 stainless steel
Size: L100-200 X W100-200mm
Outlet diameter: Ø50mm

MODEL: ERAC4009



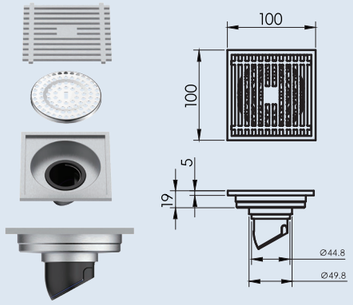
Material: 0.8mm SUS304 stainless steel
Size: L100-200 X W100-200mm
Outlet diameter: Ø45mm

MODEL: ERA4005



Material: 5mm SUS304 stainless steel
Size: L100 X W100mm
Outlet diameter: Ø50mm

MODEL: ERAC4005



Material: 5mm SUS304 stainless steel
Size: L100 X W100mm
Outlet diameter: Ø45mm

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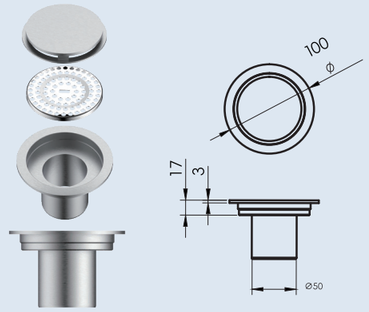
STAINLESS STEEL FLOOR DRAIN

MODEL: ERA4004

Material: 3mm SUS304 stainless steel

Size: Ø100mm

Outlet diameter: Ø50mm

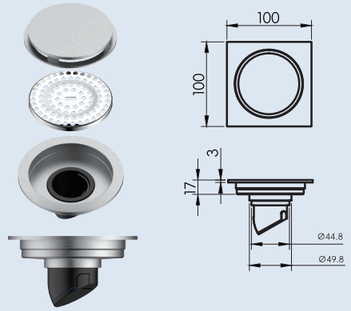


MODEL: ERAC4004

Material: 3mm SUS304 stainless steel

Size: Ø100mm

Outlet diameter: Ø45mm

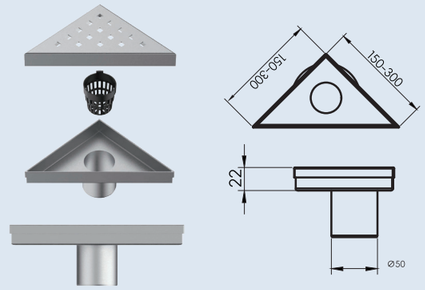


MODEL: ERA3001

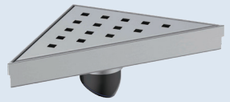
Material: 1mm SUS304 stainless steel

Size: L150-300 X W150-300mm

Outlet diameter: Ø50mm



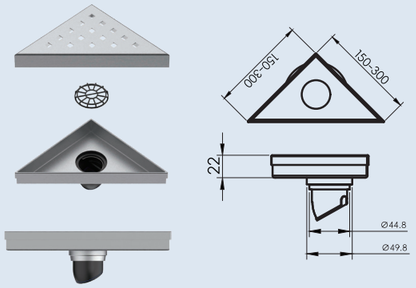
MODEL: ERAC3001



Material: 1mm SUS304 stainless steel

Size: L150-300 X W150-300mm

Outlet diameter: Ø45mm

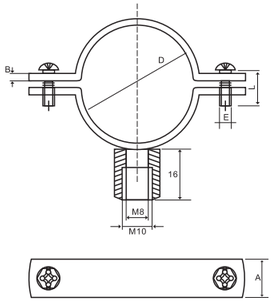


METAL CLAMPS

Welding Type Clamps M8+10 Without Rubber

- Material:iron sheet
- Both closed

ITEM NO: CLR001



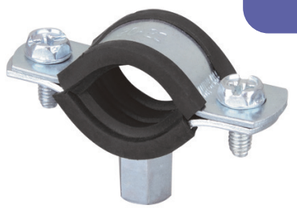
Ø(mm)	D(mm)	INCH	AXB(mm)
18	15-19	3/8"	20X(1.8~2.0)
22	20-25	1/2"	20X(1.8~2.0)
28	26-30	3/4"	20X(1.8~2.0)
35	32-36	1"	20X(1.8~2.0)
40	38-43	1-1/4"	20X(1.8~2.0)
48	47-51	1-1/2"	20X(1.8~2.0)
54	53-58		20X(1.8~2.0)
60	60-64	2"	20X(1.8~2.0)
70	68-72		20X(1.8~2.0)
75	75-80	2-1/2"	20X(1.8~2.0)
83	80-86		20X(1.8~2.0)
90	87-92	3"	20X(1.8~2.0)
100	99-105	3-1/2"	20X(1.8~2.0)
110	107-112		20X(1.8~2.0)
115	113-118	4"	20X(1.8~2.0)
125	125-130		20X(1.8~2.0)
133	132-137		20X(1.8~2.0)
140	136-142	5"	20X(1.8~2.0)
160	159-166	6"	20X(1.8~2.0)
200	200-212		20X(1.8~2.0)

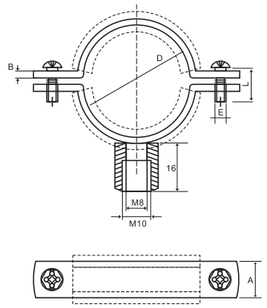
D	EXL
18-75	M6X15
83-200	M6X20

Welding Type Clamps M8+10 With Rubber

- Material:iron sheet
- The rubber thickness:4.0mm
- Both closed

ITEM NO: CLR002





Ø(mm)	D(mm)	INCH	AXB(mm)
18	15-19	3/8"	20X(1.8~2.0)
22	20-25	1/2"	20X(1.8~2.0)
28	26-30	3/4"	20X(1.8~2.0)
35	32-36	1"	20X(1.8~2.0)
40	38-43	1-1/4"	20X(1.8~2.0)
48	47-51	1-1/2"	20X(1.8~2.0)
54	53-58		20X(1.8~2.0)
60	60-64	2"	20X(1.8~2.0)
70	68-72		20X(1.8~2.0)
75	75-80	2-1/2"	20X(1.8~2.0)
83	80-86		20X(1.8~2.0)
90	87-92	3"	20X(1.8~2.0)
100	99-105	3-1/2"	20X(1.8~2.0)
110	107-112		20X(1.8~2.0)
115	113-118	4"	20X(1.8~2.0)
125	125-130		20X(1.8~2.0)
133	132-137		20X(1.8~2.0)
140	136-142	5"	20X(1.8~2.0)
160	159-166	6"	20X(1.8~2.0)
200	200-212		20X(1.8~2.0)

D	EXL
18-75	M6X15
83-200	M6X20

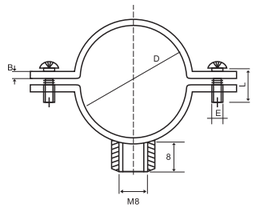
Ø(mm)	D(mm)	INCH	AXB(mm)
18	15-19	3/8"	20X(1.3~1.5)
22	20-25	1/2"	20X(1.3~1.5)
28	26-30	3/4"	20X(1.3~1.5)
35	32-36	1"	20X(1.3~1.5)
40	38-43	1-1/4"	20X(1.3~1.5)
48	47-51	1-1/2"	20X(1.3~1.5)
54	53-58		20X(1.3~1.5)
60	60-64	2"	20X(1.3~1.5)
70	68-72		20X(1.3~1.5)
75	75-80	2-1/2"	20X(1.3~1.5)
83	80-86		20X(1.3~1.5)
90	87-92	3"	20X(1.3~1.5)
100	99-105	3-1/2"	20X(1.3~1.5)
110	107-112		20X(1.3~1.5)
115	113-118	4"	20X(1.3~1.5)
125	125-130		20X(1.3~1.5)
133	132-137		20X(1.3~1.5)
140	136-142	5"	20X(1.3~1.5)
160	159-166	6"	20X(1.3~1.5)
200	200-212		20X(1.3~1.5)

D	EXL
18-75	M6X15
83-200	M6X20

Welding Type Clamps M8 Without Rubber

- Material:iron sheet
- Both closed
- Dia of the middle nut is M8
- ø18-70:The surface is flat
  ø75-200:The surface has a bone

ITEM NO: CLR003



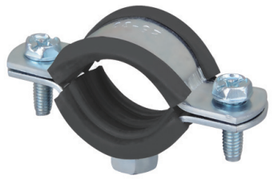
Ø(mm)	D(mm)	INCH	AXB(mm)
18	15-19	3/8"	20X(1.3~1.5)
22	20-25	1/2"	20X(1.3~1.5)
28	26-30	3/4"	20X(1.3~1.5)
35	32-36	1"	20X(1.3~1.5)
40	38-43	1-1/4"	20X(1.3~1.5)
48	47-51	1-1/2"	20X(1.3~1.5)
54	53-58		20X(1.3~1.5)
60	60-64	2"	20X(1.3~1.5)
70	68-72		20X(1.3~1.5)
75	75-80	2-1/2"	20X(1.3~1.5)
83	80-86		20X(1.3~1.5)
90	87-92	3"	20X(1.3~1.5)
100	99-105	3-1/2"	20X(1.3~1.5)
110	107-112		20X(1.3~1.5)
115	113-118	4"	20X(1.3~1.5)
125	125-130		20X(1.3~1.5)
133	132-137		20X(1.3~1.5)
140	136-142	5"	20X(1.3~1.5)
160	159-166	6"	20X(1.3~1.5)
200	200-212		20X(1.3~1.5)

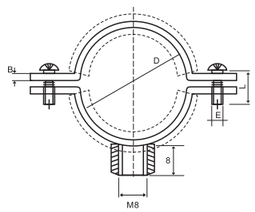
D	EXL
18-75	M6X15
83-200	M6X20

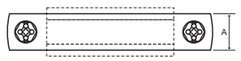
Welding Type Clamps M8 With Rubber

- Material:iron sheet
- Rubber thickness:4mm
- Both closed
- The dia of the middle nut is M8
- ø18-70:The surface is flat
  ø75-200:The surface has a bone

ITEM NO: CLR004







ITEM NO: HJA-4

AMERCIAN TYPE HOSE CLAMP STEEL COATED WITH ZINC

Nom Size	Item	Width	Thickness	Nom Size	Item	Width	Thickness
	1/2"	6-13mm	8mm		3-1/4"	59-82mm	12.7mm
	5/8"	6-16mm	8mm		3-1/2"	65-89mm	12.7mm
	3/4"	11-20mm	8mm		3-3/4"	72-95mm	12.7mm
	7/8"	13-23mm	8mm		4"	78-101mm	12.7mm
	1"	16-25mm	8mm		4-1/4"	84-108mm	12.7mm
	1-1/16"	14-27mm	8mm		4-1/2"	91-114mm	12.7mm
	1-1/4"	18-32mm	8mm		4-3/4"	95-120mm	12.7mm
	1-1/2"	21-38mm	8mm		5"	105-127mm	12.7mm
	1-1/16"	14-27mm	12.7mm		5-1/4"	110-134mm	12.7mm
	1-1/4"	18-32mm	12.7mm		5-1/2"	118-140mm	12.7mm
	1-1/2"	21-38mm	12.7mm		5-3/4"	125-146mm	12.7mm
	1-3/4"	21-44mm	12.7mm		6"	130-152mm	12.7mm
	2"	27-51mm	12.7mm		6-1/4"	133-159mm	12.7mm
	2-1/4"	33-57mm	12.7mm		6-1/2"	143-165mm	12.7mm
	2-1/2"	40-63mm	12.7mm		6-3/4"	146-171mm	12.7mm
	2-3/4"	46-70mm	12.7mm		7"	155-178mm	12.7mm
	3"	52-76mm	12.7mm				

ITEM NO: HJA-1

AMERCIAN TYPE HOSE CLAMP STAINLESS STEEL

Nom Size	Item	Width	Thickness	Nom Size	Item	Width	Thickness
	1/2"	6-13mm	8mm		2-3/4	51-70mm	12.7mm
	5/8"	6-16mm	8mm		3	64-76mm	12.7mm
	3/4"	11-20mm	8mm		3-1/2	70-89mm	12.7mm
	7/8"	13-23mm	8mm		3-3/4	76-92mm	12.7mm
	1"	16-25mm	8mm		4	80-100mm	12.7mm
	1-1/16"	14-27mm	8mm		4-1/2	90-110mm	12.7mm
	1-1/4"	18-32mm	8mm		5	100-120mm	12.7mm
	1-1/2"	21-38mm	8mm		5-1/4	110-130mm	12.7mm
	3/4"	12-20mm	12.7mm		5-1/2	120-140mm	12.7mm
	7/8"	11-23mm	12.7mm		6	130-150mm	12.7mm
	1"	16-25mm	12.7mm		6-1/4	140-160mm	12.7mm
	1-1/16"	16-27mm	12.7mm		6-3/4	150-170mm	12.7mm
	1-1/4"	16-30mm	12.7mm		7	160-180mm	12.7mm
	1-1/4"	22-32mm	12.7mm		7-1/2	170-190mm	12.7mm
	1-1/2"	25-38mm	12.7mm		7-3/4	180-200mm	12.7mm
	1-3/4"	33-44mm	12.7mm		9-4/5	200-250mm	12.7mm
	2"	27-51mm	12.7mm		11-4/5	150-300mm	12.7mm
	2-1/4"	38-57mm	12.7mm		13-4/5	300-350mm	12.7mm
	2-1/2"	44-64mm	12.7mm		15-3/4	350-400mm	12.7mm

ITEM NO: HGP-1

POWEVER TYPE HOSE CLAMP STEEL COATED WITH ZINC

Nom Size	Item	Thickness&width	Bolt	Nom Size	Item	Thickness&width	Bolt
	17-19mm	0.6X18	M5		98-103mm	0.8X24	M8
	20-22mm	0.6X18	M5		104-112mm	0.8X24	M8
	23-25mm	0.6X18	M5		113-121mm	0.8X24	M8
	26-28mm	0.6X18	M5		122-130mm	0.8X24	M8
	29-31mm	0.6X20	M6		131-139mm	1.0X26	M10
	32-35mm	0.6X20	M6		140-148mm	1.0X26	M10
	36-39mm	0.6X20	M6		149-161mm	1.0X26	M10
	40-43mm	0.6X20	M6		162-174mm	1.0X26	M10
	44-47mm	0.8X22	M6		175-187mm	1.0X26	M10
	48-51mm	0.8X22	M6		188-200mm	1.0X26	M10
	52-55mm	0.8X22	M6		201-213mm	1.0X26	M10
	56-59mm	0.8X22	M6		214-226mm	1.0X26	M10
	60-63mm	0.8X22	M6		227-239mm	1.0X26	M10
	64-67mm	0.8X22	M6		240-252mm	1.0X26	M10
	68-73mm	0.8X24	M8		253-265mm	1.0X26	M10
	74-79mm	0.8X24	M8		266-278mm	1.0X26	M10
	80-85mm	0.8X24	M8		279-291mm	1.0X26	M10
	86-91mm	0.8X24	M8		292-304mm	1.0X26	M10
	92-97mm	0.8X24	M8				

ITEM NO: HGP-2

POWEVER TYPE HOSE CLAMP STAINLESS STEEL

Nom Size	Item	Thickness&width	Bolt	Nom Size	Item	Thickness&width	Bolt
	17-19mm	0.6X18	M5		86-91mm	0.8X24	M8
	20-22mm	0.6X18	M5		92-97mm	0.8X24	M8
	23-25mm	0.6X18	M5		98-103mm	0.8X24	M8
	26-28mm	0.6X18	M5		104-112mm	0.8X24	M8
	29-31mm	0.6X20	M6		113-121mm	0.8X24	M8
	32-35mm	0.6X20	M6		122-130mm	0.8X24	M8
	36-39mm	0.6X20	M6		131-139mm	1.0X26	M10
	40-43mm	0.6X20	M6		140-148mm	1.0X26	M10
	44-47mm	0.8X22	M6		149-161mm	1.0X26	M10
	48-51mm	0.8X22	M6		162-174mm	1.0X26	M10
	52-55mm	0.8X22	M6		175-187mm	1.0X26	M10
	56-59mm	0.8X22	M6		188-200mm	1.0X26	M10
	60-63mm	0.8X22	M6		201-213mm	1.0X26	M10
	64-67mm	0.8X22	M6		214-226mm	1.0X26	M10
	68-73mm	0.8X24	M8		227-239mm	1.0X26	M10
	74-79mm	0.8X24	M8		240-252mm	1.0X26	M10
	80-85mm	0.8X24	M8				

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ITEM NO: HGG-1

GERMANY HOSE CLAMP STAINLESS STEEL

Nom Size	Item	Width	Thickness	Nom Size	Item	Width	Thickness
	8-12mm	9mm	0.65mm		16-25mm	12mm	0.65mm
	10-16mm	9mm	0.65mm		20-32mm	12mm	0.65mm
	12-20mm	9mm	0.65mm		25-40mm	12mm	0.65mm
	16-27mm	9mm	0.65mm		32-50mm	12mm	0.65mm
	20-32mm	9mm	0.65mm		40-60mm	12mm	0.65mm
	25-40mm	9mm	0.65mm		50-70mm	12mm	0.65mm
	32-50mm	9mm	0.65mm		60-80mm	12mm	0.65mm
	40-60mm	9mm	0.65mm		70-90mm	12mm	0.65mm
	50-70mm	9mm	0.65mm		80-100mm	12mm	0.65mm
	60-80mm	9mm	0.65mm		90-110mm	12mm	0.65mm
	70-90mm	9mm	0.65mm		100-120mm	12mm	0.65mm
	80-100mm	9mm	0.65mm		110-130mm	12mm	0.65mm
	90-110mm	9mm	0.65mm		120-140mm	12mm	0.65mm
	100-120mm	9mm	0.65mm		130-150mm	12mm	0.65mm
	110-130mm	9mm	0.65mm		140-160mm	12mm	0.65mm
	120-140mm	9mm	0.65mrm		150-170mm	12mm	0.65mrm
	130-150mm	9mm	0.65mm		160-180mm	12mm	0.65mm
	140-160mm	9mm	0.65mm		170-190mm	12mm	0.65mm
	10-16mm	12mm	0.65mm		180-200mm	12mm	0.65mm
	12-20mm	12mm	0.65mm				

ITEM NO: HGP-1

T-BOLT HOSE CLAMP

Nom Size	Item	Thickness&width	Nom Size	Item	Thickness&width
	27mm	0.6X19		84mm	0.6X19
	30mm	0.6X19		90mm	0.6X19
	33mm	0.6X19		96mm	0.6X19
	36mm	0.6X19		103mm	0.6X19
	40mm	0.6X19		109mm	0.6X19
	44mm	0.6X19		114mm	0.6X19
	48mm	0.6X19		120mm	0.6X19
	52mm	0.6X19		128mm	0.6X19
	57mm	0.6X19		136mm	0.6X19
	62mm	0.6X19		144mm	0.6X19
	67mm	0.6X19		154mm	0.6X19
	72mm	0.6X19		164mm	0.6X19
	78mm	0.6X19			

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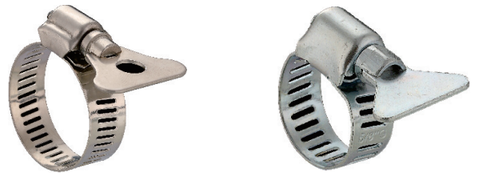
ITEM NO: HGA-23

GERMANY HOSE CLAMP STEEL COATED WITH ZINC

Nom Size	Item	Width	Thickness	Nom Size	Item	Width	Thickness
	8-12mm	9mm	0.75mm		16-25mm	12mm	0.75mm
	10-16mm	9mm	0.75mm		20-32mm	12mm	0.75mm
	12-20mm	9mm	0.75mm		25-40mm	12mm	0.75mm
	16-27mm	9mm	0.75mm		32-50mm	12mm	0.75mm
	20-32mm	9mm	0.75mm		40-60mm	12mm	0.75mm
	25-40mm	9mm	0.75mm		50-70mm	12mm	0.75mm
	32-50mm	9mm	0.75mm		60-80mm	12mm	0.75mm
	40-60mm	9mm	0.75mm		70-90mm	12mm	0.75mm
	50-70mm	9mm	0.75mm		80-100mm	12mm	0.75mm
	60-80mm	9mm	0.75mm		90-110mm	12mm	0.75mm
	70-90mm	9mm	0.75mm		100-120mm	12mm	0.75mm
	80-100mm	9mm	0.75mm		110-130mm	12mm	0.75mm
	90-110mm	9mm	0.75mm		120-140mm	12mm	0.75mm
	100-120mm	9mm	0.75mm		130-150mm	12mm	0.75mm
	110-130mm	9mm	0.75mm		140-160mm	12mm	0.75mm
	120-140mm	9mm	0.75mm		150-170mm	12mm	0.75mm
	130-150mm	9mm	0.75mm		160-180mm	12mm	0.75mm
	140-160mm	9mm	0.75mm		170-190mm	12mm	0.75mm
	10-16mm	12mm	0.75mm		180-200mm	12mm	0.75mm
	12-20mm	12mm	0.75mm				



ITEM NO: HGT

AMERICAN TYPE HOSE CLAMP WITH HANDLE

Nom Size	Item	Size	Width	Stainless steel Thickness	Steel Thickness	Nom Size	Item	Size	Width	Stainless steel Thickness	Steel Thickness
	1/2"	8-13mm	8mm	0.6	0.6		3-1/4"	59-82mm	12.7mm	0.6	0.7
	5/8"	10-16mm	8mm	0.6	0.6		3-1/2"	65-89mm	12.7mm	0.6	0.7
	3/4"	11-20mm	8mm	0.6	0.6		3-3/4"	72-95mm	12.7mm	0.6	0.7
	7/8"	13-23mm	8mm	0.6	0.6		4"	78-101mm	12.7mm	0.6	0.7
	1"	16-25mm	8mm	0.6	0.6		4-1/4"	84-108mm	12.7mm	0.6	0.7
	1-1/16"	14-27mm	8mm	0.6	0.6		4-1/2"	91-114mm	12.7mm	0.6	0.7
	1-1/4"	18-32mm	8mm	0.6	0.6		4-3/4"	95-120mm	12.7mm	0.6	0.7
	1-1/2"	21-38mm	8mm	0.6	0.6		5"	105-127mm	12.7mm	0.6	0.7
	1-1/16"	14-27mm	12.7mm	0.6	0.7		5-1/4"	110-134mm	12.7mm	0.6	0.7
	1-1/4"	18-32mm	12.7mm	0.6	0.7		5-1/2"	118-140mm	12.7mm	0.6	0.7
	1-1/2"	21-38mm	12.7mm	0.6	0.7		5-3/4"	125-146mm	12.7mm	0.6	0.7
	1-3/4"	21-44mm	12.7mm	0.6	0.7		6"	130-152mm1	12.7mm	0.6	0.7
	2"	27-51mm	12.7mm	0.6	0.7		6-1/4"	33-159mm	12.7mm	0.6	0.7
	2-1/4"	33-57mm	12.7mm	0.6	0.7		6-1/2"	143-165mm	12.7mm	0.6	0.7
	2-1/2"	40-63mm	12.7mm	0.6	0.7		6-3/4"	146-171mm	12.7mm	0.6	0.7
	2-3/4"	46-70mm	12.7mm	0.6	0.7		7"	155-178mm	12.7mm	0.6	0.7
	3"	52-76mm	12.7mm	0.6	0.7						

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