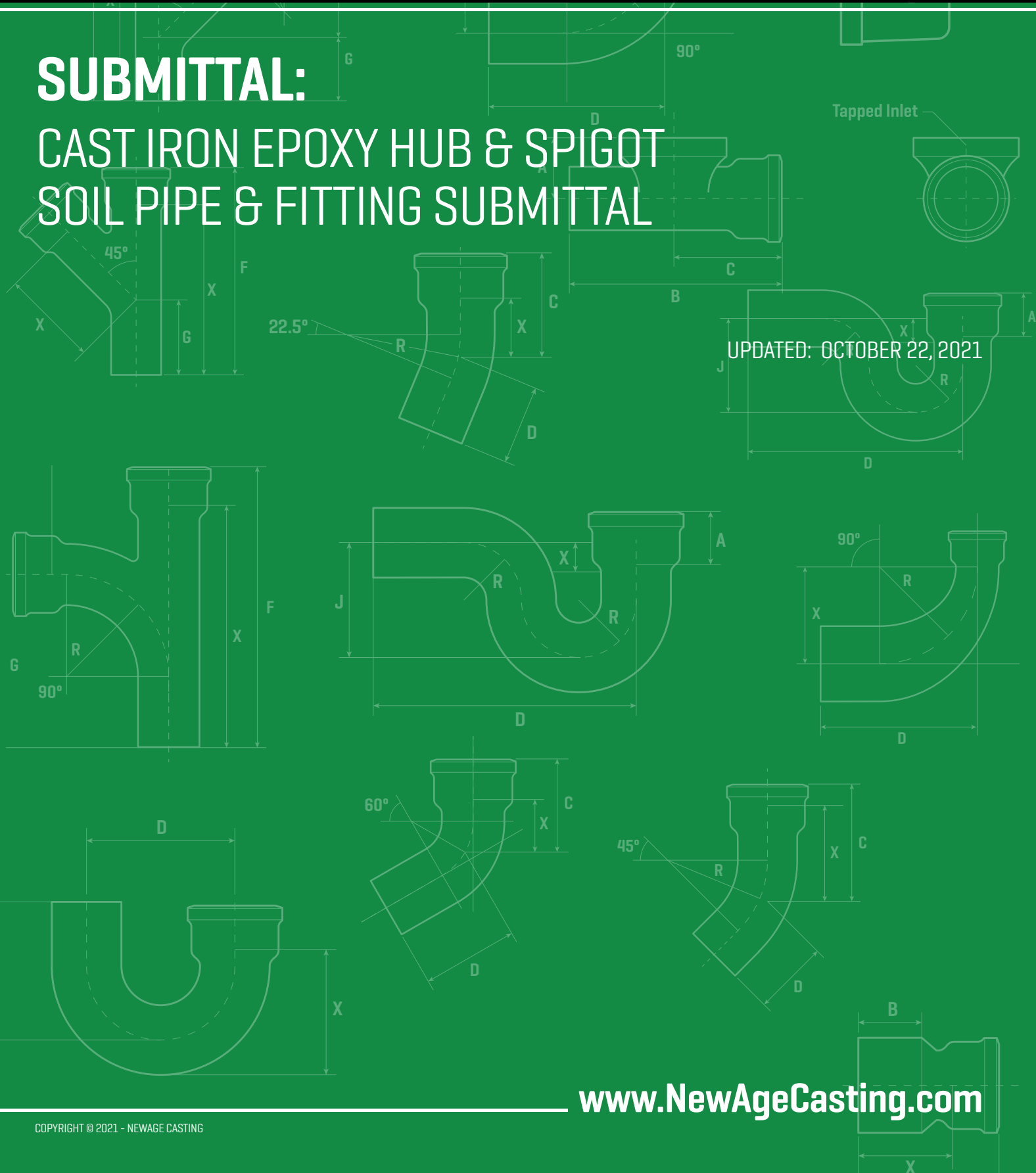


SUBMITTAL: CAST IRON EPOXY HUB & SPIGOT SOIL PIPE & FITTING SUBMITTAL





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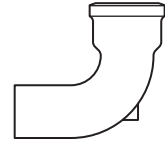
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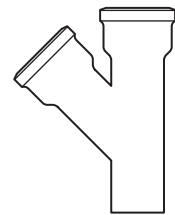
Date: _____ Engineer: _____ Job Name: _____
 Contractor: _____ Location: _____

EPOXY COATED HUB & SPIGOT SOIL PIPE & FITTINGS STANDARDS & CERTIFICATIONS

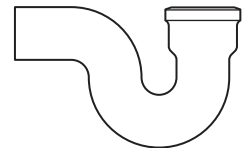
- Certified to conform with ASTM A74 complying with Annex A1, most recent revision, Standard Specification for Cast Iron Soil Pipe and Fittings
- NewAge Casting Service Weight joints are joined by lead and oakum or compression gasket which conform to ASTM C564
- Two-part epoxy spray on coating shall have 2.5 mil minimum exterior thickness and 5 mil interior thickness for superior adhesion, chemical (acidic and alkali) resistance, durability, fire resistance, heat resistance and superior flow characteristics
- Two-part epoxy is tested to be non-reactive from 2pH - 12pH. The epoxy coating will not sag, cold flow or become soft. The two-part epoxy resists cavitation and cathodic disbondment
- Foundries are ISO 9001 Certified
- NewAge Soil Pipe Products Cast Iron Soil Pipe and Fittings are certified by UPC, ICC-ES-PMG, and UL



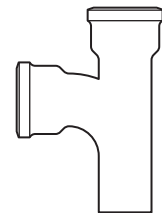
Short Sweep Bend 90°



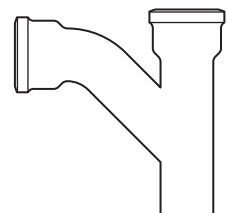
Wye



P-Trap



Sanitary Tee

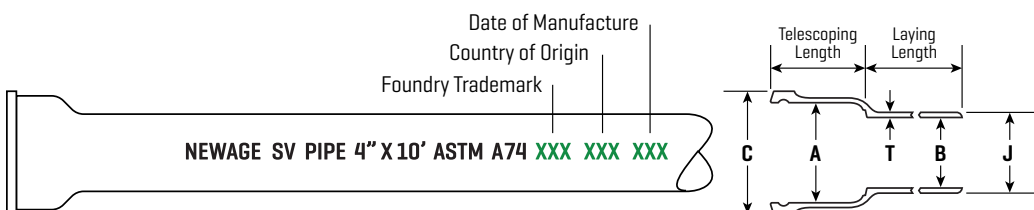


Combination Wye & 1/8 Bend

| | LISTED AND CERTIFIED BY: | | |
|---|--------------------------|---|--|
| | | | |
| ✓ | ✓ | ✓ | |

Product installation shall conform to the standard industry practices, and all applicable plumbing, fire and building code requirements. Following installation, it is recommended that the system be hydrostatically tested to ten feet of head or 4.3 PSI.

| NOMINAL SIZE | INSIDE DIA HUB | | B | | C | | J | | T-NOM | T-MIN | Y | |
|--------------|----------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | A | B | B | C | C | J | J | T-NOM | T-MIN | Y | Y | |
| 2 | 2.94 | ±0.06 | 1.96 | ±0.09 | 3.62 | 2.30 | ±0.09 | 0.17 | 0.14 | 2.50 | ±0.06 | |
| 3 | 3.94 | ±0.09 ±0.06 | 2.96 | ±0.09 | 4.68 | 3.30 | ±0.09 | 0.17 | 0.14 | 2.75 | ±0.06 | |
| 4 | 4.94 | ±0.09 ±0.06 | 3.94 | ±0.09 | 5.68 | 4.30 | ±0.09 | 0.18 | 0.15 | 3.00 | ±0.06 | |
| 5 | 5.94 | ±0.09 ±0.06 | 4.94 | ±0.09 | 6.68 | 5.30 | ±0.09 | 0.18 | 0.15 | 3.00 | ±0.06 | |
| 6 | 6.94 | ±0.09 ±0.06 | 5.94 | ±0.09 | 7.68 | 6.30 | ±0.09 | 0.18 | 0.15 | 3.00 | ±0.06 | |
| 8 | 9.25 | ±0.13 | 7.94 | ±0.13 | 10.13 | 8.38 | ±0.13 | 0.23 | 0.17 | 3.50 | ±0.13 | |
| 10 | 11.38 | ±0.13 | 9.94 | ±0.13 | 12.44 | 10.50 | ±0.13 | 0.28 | 0.22 | 3.50 | ±0.13 | |
| 12 | 13.50 | ±0.13 | 11.94 | ±0.19 | 14.56 | 12.50 | ±0.19 | 0.28 | 0.22 | 4.25 | ±0.19 | |
| 15 | 16.95 | ±0.13 | 15.16 | ±0.19 | 18.11 | 15.88 | ±0.19 | 0.36 | 0.30 | 4.25 | ±0.19 | |





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STANDARDS CERTIFICATION

January 29, 2021

This is to certify that all Cast Iron Pipe, Fittings and Couplings sold by New Age Casting Company, meets, or exceeds all applicable standards listed below including the Annex A I:

NO-HUB PIPE AND FITTINGS

All cast iron pipe and fittings are available in traditional bituminous asphalt and our premium New Age Epoxy Coating for corrosion resistance.

ASTM A888

CISPI 301

- Listed by UPC
- Listed by ICC
- Listed by UL

SERVICE HUB AND SPIGOT PIPE AND FITTINGS

All cast iron pipe and fittings are available in traditional bituminous asphalt and our premium New Age Epoxy Coating for corrosion resistance.

ASTM A 74

- Listed by UPC
- Listed by ICC

NO-HUB STANDARD COUPLINGS

CISPI 310

ASTM C 1277

- Listed by UPC

NO-HUB J-IEA VY DUTY (HDC) COUPLINGS

ASTM C 1540

- Listed by UPC

NO-HUB EXTRA HEAVY DUTY (XI-ID) COUPLINGS

ASTM C 1540

- Listed by UPC

SERVICE WEIGHT GASKETS

ASTM C 564

ASTM C 1563

- Listed by UPC

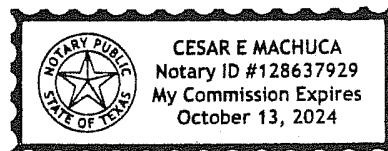
If there are any questions concerning this information or if copies of the certification documentation are needed, please contact your New Age Casting representative or your New Age Casting regional manager.

Sincerely,

Terry Muldowney
Technical Manager
NewAge Casting Company

1/29/2021

Notary Public





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REFERENCE STANDARDS

American Society for Testing and Materials

ASTM Description

A 74 Standard Specification for Cast Iron Soil Pipe and Fittings
SCOPE: This specification covers cast iron soil pipe and for use in gravity flow plumbing, drain, waste and vent sanitary, and storm water applications. This pipe and fittings are not intended for pressure applications as the selection of the proper size for sanitary drain, waste, vent, and storm drain systems allows free air space for gravity drainage.

A 888 Standard Specification for No Hub Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications
SCOPE: This specification covers no hub cast iron soil pipe and fittings for use in gravity flow applications. This pipe and fittings are intended for non-pressure applications, as the selection of the proper size for sanitary drain, waste, vent, and storm drain systems allows free air space for gravity drainage.

C 564 Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings
SCOPE: This specification covers preformed rubber gaskets used to seal joints in cast iron soil pipe and fittings.

C 1277 Standard Specification for Shielded Couplings Joining No Hub Cast Iron Soil Pipe and Fittings
SCOPE: It is the purpose of this specification to furnish information as to the characteristics of a sleeve type couplings when applied to cast iron soil pipe and fittings.

C 1540 Standard Specification for Heavy Duty Shielded Couplings Joining No Hub Cast Iron Soil Pipe and Fittings
SCOPE: This specification covers the evaluating of the performance of heavy duty shielded couplings to join no hub cast iron soil pipe and fittings.

Cast Iron Soil Pipe Institute

CISPI Description

301 STANDARD SPECIFICATION FOR NO HUB CAST IRON SOIL PIPE AND FITTINGS FOR SANITARY AND STORM DRAIN, WASTE, AND VENT PIPING APPLICATIONS
SCOPE: Identical to the ASTM A 888

310 SPECIFICATION FOR COUPLING FOR USE IN CONNECTION WITH NO HUB CAST IRON SOIL PIPE AND FITTINGS FOR SANITARY AND STORM DRAIN, WASTE, AND VENT PIPING APPLICATIONS.
Scope: Identical to the ASTM C 1277



SUBMITTAL: CAST IRON EPOXY HUB & SPIGOT SOIL PIPE & FITTING SUBMITTAL

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UPC A 74 CERTIFICATION

IAPMO RESEARCH AND TESTING, INC.

5001 E. Philadelphia Street, Ontario, CA 91761-2816 • (909) 472-4100 • Fax (909) 472-4244 • www.iapmort.org



IAPMO R&T Product Listing



This IAPMO R&T Listing is current as of 11/25/2019

Product: Cast Iron Soil Pipe and Fittings File No. 6336

Issued To: NEW AGE CASTING COMPANY
12630 WEST AIRPORT BOULEVARD
SUITE 100
SUGAR LAND, TX 77478

Identification: Each length of pipe and each fitting shall be plainly marked with the country of the origin, the manufacturer's initials or registered trademark by which the manufacturer can be readily identified after installation, and with letters to indicate the proper classification, as follows: XH Extra Heavy SV Service. The marking shall be cast, stenciled, or otherwise applied on the pipe so as to clear and legible after installation. The marking shall be cast in raised letters on fittings and shall be clear and legible after installation and located away from the spigot end so as not to interfere with proper joining upon installation. Each pipe shall be marked with the date of manufacturer. Pipe and fittings shall also bear the UPC® certification mark.

Characteristics: Cast iron soil pipe and fittings for use in gravity flow applications. These pipe and fittings are not intended for pressure applications as the selection of the proper size for drain, waste, vent and storm drain systems allow free air space for gravity drainage. To be installed in accordance with the manufacturer's installation instruction and the requirement of the latest edition of the Uniform Plumbing Code.

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.

Products are in compliance with the following code(s):

Uniform Plumbing Code (UPC®)
International Plumbing Code (IPC®)

Products are in compliance with the following standard(s):

ASTM A74-2017 (excluding Annex A1)

MODELS:

| Model No. | Description |
|-----------|-----------------|
| 2" x 2.5' | double hub pipe |
| 4" x 2.5' | double hub pipe |
| 2" x 5' | single hub pipe |
| 3" x 5' | single hub pipe |
| 4" x 5' | single hub pipe |
| 5" x 5' | single hub pipe |
| 6" x 5' | single hub pipe |
| 8" x 5' | single hub pipe |
| 2" x 5' | double hub pipe |
| 3" x 5' | double hub pipe |
| 4" x 5' | double hub pipe |
| 2" x 10' | single hub pipe |



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ICC A 74 CERTIFICATION



ICC-ES PMG Product Certificate

PMG-1219



Effective Date: November 2020

This listing is subject to re-examination in one year.

www.icc-es-pmg.org | (800) 423-6587 | (562) 699-0543 A Subsidiary of the International Code Council®

CSI: DIVISION: 22 00 00 – PLUMBING
Section: 22 13 16 – Sanitary Waste and Vent Piping
Section: 22 14 13 – Facility Storm Drainage Piping

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or suppliers stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Cast Iron Soil Pipe and Fittings

Listee: NewAge Casting Co.
12630 West Airport Blvd, Suite 100
Sugar Land, Texas 77478
www.newagecasting.com

Compliance with the following codes:

2021, 2018, 2015, 2012 and 2009 *International Plumbing Code® (IPC)*
2018, 2015, 2012 and 2009 *International Residential Code® (IRC)*
2021, 2018, 2015, 2012 and 2009 *Uniform Plumbing Code® (UPC)**

**Copyrighted publication of the International Association of the Plumbing and Mechanical Officials*

Compliance with the following standards:

ASTM A74-2020 (excluding Annex A1), Standard Specification for Cast Iron Soil Pipe and Fittings

Identification:

Each length of pipe and each fitting shall be plainly marked with the country of origin, the manufacturer's name or the manufacturer's registered trademark by which the manufacturer can be readily identified after installation, any appropriate collective mark (optional) as well as the ICC-ES PMG certification mark. The marking shall be adequate identification of the manufacturer of the pipe and fittings if it readily identifies the manufacturer to the end user of the product. Each length of pipe and each fitting shall be plainly marked with letters to indicate the proper classification, as follows:

XH Extra Heavy
SV Service

The marking shall be cast, stenciled, or otherwise applied on the pipe so as to be clear and legible after installation. The marking shall be cast with raised letters on fittings and shall be clear and legible after installation and located away from the spigot end so as not to interfere with proper joining upon installation.

Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.





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UL ANNEX A1 CERTIFICATION

CERTIFICATE OF COMPLIANCE

Certificate Number 20180502-MH62513
Report Reference MH62513-20171207
Issue Date 2018-May-02

Issued to: NewAge Casting, LP
12630 West Airport Blvd
Suite 100
Sugar Land TX 77478

This is to certify that representative samples of SOIL PIPE AND FITTINGS, CAST-IRON
See Addendum Page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ASTM A888, Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications, including Annex A1
CISPI 301, Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications, including Annex A1

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.


Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/about/locations/>

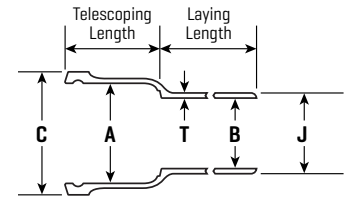
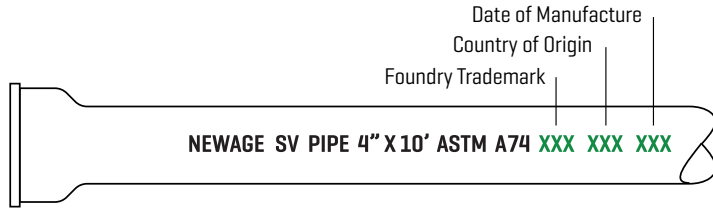




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SINGLE HUB - 3.5 FOOT PIPE

| PART# | SIZE | PIECES PER BUNDLE | WEIGHT |
|----------|----------|-------------------|--------|
| SVP02S35 | 2 X 3.5 | 56 | 15.00 |
| SVP03S35 | 3 X 3.5 | 40 | 23.00 |
| SVP04S35 | 4 X 3.5 | 27 | 30.00 |
| SVP05S35 | 5 X 3.5 | 21 | 39.00 |
| SVP06S35 | 6 X 3.5 | 18 | 45.00 |
| SVP08S35 | 8 X 3.5 | 10 | 72.00 |
| SVP10S35 | 10 X 3.5 | 6 | 106.00 |
| SVP12S35 | 12 X 3.5 | 6 | 135.00 |
| SVP15S35 | 15 X 3.5 | 2 | 184.00 |

SINGLE HUB - 10 FOOT PIPE

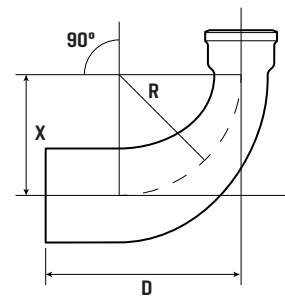
| PART# | SIZE | PIECES PER BUNDLE | WEIGHT |
|----------|---------|-------------------|--------|
| SVP02S10 | 2 X 10 | 64 | 35.00 |
| SVP03S10 | 3 X 10 | 33 | 52.00 |
| SVP04S10 | 4 X 10 | 27 | 76.00 |
| SVP05S10 | 5 X 10 | 21 | 97.00 |
| SVP06S10 | 6 X 10 | 18 | 128.00 |
| SVP08S10 | 8 X 10 | 10 | 190.00 |
| SVP10S10 | 10 X 10 | 6 | 270.00 |
| SVP12S10 | 12 X 10 | 6 | 325.00 |
| SVP15S10 | 15 X 10 | 2 | 465.00 |

SINGLE HUB - 5 FOOT PIPE

| PART# | SIZE | PIECES PER BUNDLE | WEIGHT |
|----------|--------|-------------------|--------|
| SVP02S05 | 2 X 5 | 64 | 22.48 |
| SVP03S05 | 3 X 5 | 33 | 31.93 |
| SVP04S05 | 4 X 5 | 27 | 44.80 |
| SVP05S05 | 5 X 5 | 21 | 57.60 |
| SVP06S05 | 6 X 5 | 18 | 69.16 |
| SVP08S05 | 8 X 5 | 10 | 101.01 |
| SVP10S05 | 10 X 5 | 6 | 150.87 |
| SVP12S05 | 12 X 5 | 6 | 185.72 |
| SVP15S05 | 15 X 5 | 2 | 287.48 |

DOUBLE HUB - 2.5 FOOT PIPE

| PART# | SIZE | PIECES PER BUNDLE | WEIGHT |
|----------|---------|-------------------|--------|
| SVP02S25 | 2 X 2.5 | 60 | 22.00 |
| SVP03S25 | 3 X 2.5 | TBA | 31.93 |
| SVP04S25 | 4 X 2.5 | 27 | 44.80 |



REDUCING 1/4 BEND

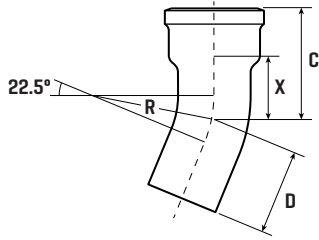
| PART# | SIZE | D | R | X |
|----------|-------|---|-------|-------|
| SVF04B42 | 4 x 2 | 7 | 3-1/4 | 3-3/4 |



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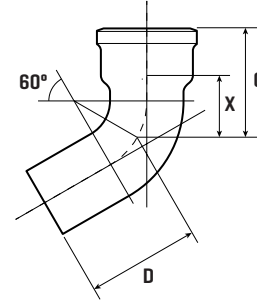
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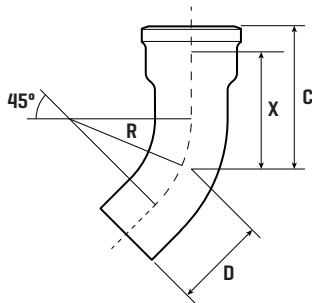
1/16 BEND - 22.5°

| PART# | SIZE | C | D | R | X |
|-----------|------|---------|---------|-------|---------|
| SVF16B20 | 2 | 3-3/8 | 3-5/8 | 3 | 7/8 |
| SVF16B30 | 3 | 3-15/16 | 4-3/16 | 3-1/2 | 1-3/16 |
| SVF16B40 | 4 | 4-5/16 | 4-13/16 | 4 | 1-5/16 |
| SVF16B50 | 5 | 4-3/8 | 4-7/8 | 4-1/2 | 1-3/8 |
| SVF16B60 | 6 | 4-1/2 | 5 | 5 | 1-1/2 |
| SVF16B80 | 8 | 5-5/16 | 6-11/16 | 6 | 1-13/16 |
| SVF16B100 | 10 | 5-1/2 | 6-7/8 | 7 | 2 |
| SVF16B120 | 12 | 6-5/8 | 8-5/8 | 8 | 2-3/8 |
| SVF16B150 | 15 | 6-7/8 | 8-7/8 | 9-1/2 | 2-5/8 |



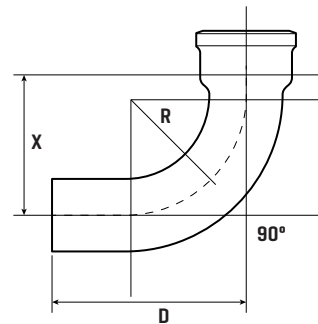
1/6 BEND - 60°

| PART# | SIZE | B | D | R | X |
|-----------|------|---------|--------|-------|---------|
| SVF06B20 | 2 | 4-1/2 | 4-3/4 | 3 | 2 |
| SVF06B30 | 3 | 5-1/4 | 5-1/2 | 3-1/2 | 2-1/2 |
| SVF06B40 | 4 | 5-13/16 | 6-5/16 | 4 | 2-13/16 |
| SVF06B50 | 5 | 6-1/8 | 6-5/8 | 4-1/2 | 3-1/8 |
| SVF06B60 | 6 | 6-3/8 | 6-7/8 | 5 | 3-3/8 |
| SVF06B80 | 8 | 7-5/8 | 9 | 6 | 4-1/8 |
| SVF06B100 | 10 | 8-3/16 | 9-9/16 | 7 | 4-11/16 |



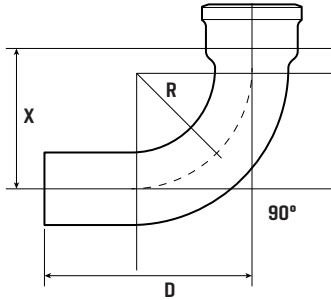
1/8 BEND - 45°

| PART# | SIZE | C | D | R | X |
|-----------|------|---------|----------|-------|---------|
| SVF08B20 | 2 | 4 | 4-1/4 | 3 | 1-1/2 |
| SVF08B30 | 3 | 4-1/16 | 4-15/16 | 3-1/2 | 1-15/16 |
| SVF08B40 | 4 | 5-3/16 | 5-11/16 | 4 | 2-3/16 |
| SVF08B50 | 5 | 5-3/8 | 5-7/8 | 4-1/2 | 2-3/8 |
| SVF08B60 | 6 | 5-9/16 | 6-1/16 | 5 | 2-9/16 |
| SVF08B80 | 8 | 6-5/8 | 8 | 6 | 3-1/8 |
| SVF08B100 | 10 | 7 | 8-3/8 | 7 | 3-1/2 |
| SVF08B120 | 12 | 8-5/16 | 10-5/16 | 8 | 4-1/16 |
| SVF08B150 | 15 | 8-15/16 | 10-15/16 | 9-1/2 | 4-11/16 |



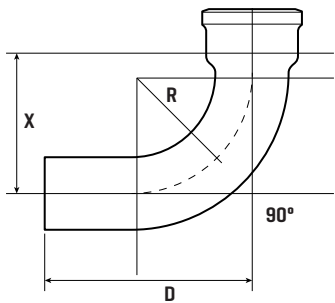
1/4 BEND - 90°

| PART# | SIZE | D | R | X |
|-----------|------|--------|-------|--------|
| SVF04B20 | 2 | 6 | 3 | 3-1/4 |
| SVF04B30 | 3 | 7 | 3-1/2 | 4 |
| SVF04B40 | 4 | 8 | 4 | 4-1/2 |
| SVF04B50 | 5 | 8-1/2 | 4-1/2 | 5 |
| SVF04B60 | 6 | 9 | 5 | 5-1/2 |
| SVF04B80 | 8 | 11-1/2 | 6 | 6-5/8 |
| SVF04B100 | 10 | 12-1/2 | 7 | 7-5/8 |
| SVF04B120 | 12 | 15 | 8 | 8-3/4 |
| SVF04B150 | 15 | 16-1/2 | 9-1/2 | 10-1/4 |



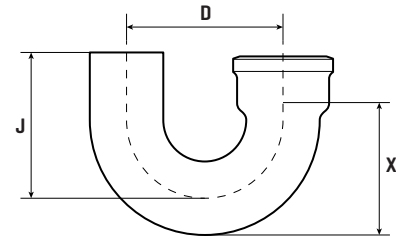
SHORT SWEEP 1/4 BEND - 90°

| PART# | SIZE | D | R | X |
|-----------|------|--------|-------|--------|
| SVFSSB20 | 2 | 8 | 5 | 5-1/4 |
| SVFSSB30 | 3 | 9 | 5-1/2 | 6 |
| SVFSSB40 | 4 | 10 | 6 | 6-1/2 |
| SVFSSB50 | 5 | 10-1/2 | 6-1/2 | 7 |
| SVFSSB60 | 6 | 11 | 7 | 7-1/2 |
| SVFSSB80 | 8 | 13-1/2 | 8 | 8-5/8 |
| SVFSSB100 | 10 | 14-1/2 | 9 | 9-5/8 |
| SVFSSB120 | 12 | 17 | 10 | 10-3/4 |



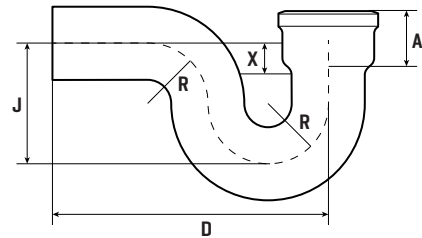
LONG SWEEP (1/4 BEND) - 90°

| PART# | SIZE | D | R | X |
|-----------|------|--------|--------|--------|
| SVFLSB20 | 2 | 11 | 8 | 8-1/4 |
| SVFLSB30 | 3 | 12 | 8-1/2 | 9 |
| SVFLSB40 | 4 | 13 | 9 | 9-1/2 |
| SVFLSB50 | 5 | 13-1/2 | 9-1/2 | 10 |
| SVFLSB60 | 6 | 14 | 10 | 10-1/2 |
| SVFLSB80 | 8 | 16-1/2 | 11 | 11-5/8 |
| SVFLSB100 | 10 | 17-1/2 | 12 | 12-5/8 |
| SVFLSB120 | 12 | 20 | 13 | 13-3/4 |
| SVFLSB150 | 15 | 21-1/2 | 14-1/2 | 15-1/4 |



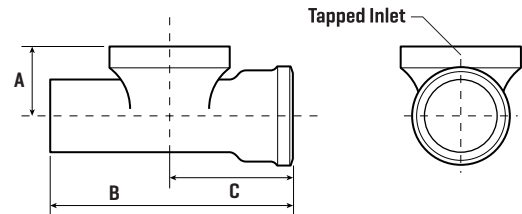
SINGLE HUB RETURN BEND

| PART# | SIZE | D | J | X |
|----------|------|-------|---------|-------|
| SVFRBD03 | 3 | 7 | 7 | 6 |
| SVFRBD04 | 4 | 7-1/2 | 7-13/16 | 6-3/8 |



P-TRAP

| PART# | SIZE | A | D | J | X |
|-----------|------|--------|---------|--------|-------|
| SVFPTP020 | 2 | 3 | 9-1/2 | 4 | 1-1/2 |
| SVFPTP030 | 3 | 4-1/2 | 12 | 5-1/2 | 1-1/4 |
| SVFPTP040 | 4 | 5-1/2 | 14 | 6-1/2 | 1 |
| SVFPTP050 | 5 | 6-1/2 | 15-1/2 | 7-1/2 | 1/2 |
| SVFPTP060 | 6 | 7-1/2 | 17 | 8-1/2 | 0 |
| SVFPTP080 | 8 | 10-1/2 | 22-1/16 | 11 | 1/2 |
| SVFPTP100 | 10 | 13 | 25 | 14-3/8 | 1/2 |



TEST TEE

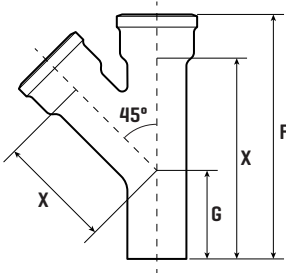
| PART# | SIZE | A | B | C | TAP |
|-----------|------|---------|--------|-------|-----|
| SVFTTE20 | 2 | 2 | 10-3/8 | 4-1/4 | 2 |
| SVFTTE30 | 3 | 2-11/16 | 12-3/4 | 5-1/2 | 3 |
| SVFTTE40 | 4 | 3 | 13-7/8 | 6 | 4 |
| SVFTTE50 | 5 | 4-1/2 | 15 | 7-1/8 | 5 |
| SVFTTE60 | 6 | 5 | 16 | 7-1/8 | 6 |
| SVFTTE80 | 8 | 6 | 20-1/2 | 9-1/2 | 8 |
| SVFTTE100 | 10 | 6-1/2 | 20-1/2 | 9-7/8 | 10 |



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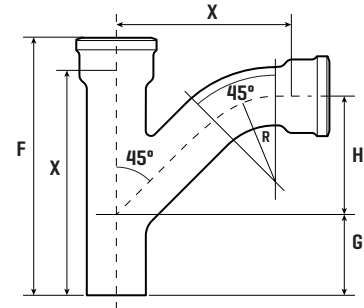


WYE

| PART# | SIZE | F | G | X | X* |
|-----------|--------|--------|---------|--------|----------|
| SVFWYE20 | 2 | 10-1/2 | 4 | 8 | 4 |
| SVFWYE32 | 3 x 2 | 11-3/4 | 4-3/16 | 9 | 5 |
| SVFWYE30 | 3 | 13-1/4 | 5 | 10-1/2 | 5-1/2 |
| SVFWYE42 | 4 x 2 | 12 | 3-5/8 | 9 | 5-3/4 |
| SVFWYE43 | 4 x 3 | 13-1/2 | 4-7/8 | 10-1/2 | 6-1/4 |
| SVFWYE40 | 4 | 15 | 5-1/4 | 12 | 6-3/4 |
| SVFWYE52 | 5 x 2 | 12 | 3-1/8 | 9 | 6-1/2 |
| SVFWYE53 | 5 x 3 | 13-1/2 | 3-7/8 | 10-1/2 | 7 |
| SVFWYE54 | 5 x 4 | 15 | 4-11/16 | 12 | 7-1/2 |
| SVFWYE50 | 5 | 16-1/2 | 5-1/2 | 13-1/2 | 8 |
| SVFWYE62 | 6 x 2 | 12 | 2-9/16 | 9 | 7-1/4 |
| SVFWYE63 | 6 x 3 | 13-1/2 | 3-3/8 | 10-1/2 | 7-3/4 |
| SVFWYE64 | 6 x 4 | 15 | 4-3/16 | 12 | 8-1/4 |
| SVFWYE65 | 6 x 5 | 16-1/2 | 4-15/16 | 13-1/2 | 8-3/4 |
| SVFWYE60 | 6 | 18 | 5-3/4 | 15 | 9-1/4 |
| SVFWYE82 | 8 x 2 | 14 | 3-1/8 | 10-1/2 | 8-1/2 |
| SVFWYE83 | 8 x 3 | 15-1/2 | 3-15/16 | 12 | 9 |
| SVFWYE84 | 8 x 4 | 17 | 4-3/4 | 13-1/2 | 9-1/2 |
| SVFWYE85 | 8 x 5 | 18-1/2 | 5-1/2 | 15 | 10 |
| SVFWYE86 | 8 x 6 | 20 | 6-5/16 | 16-1/2 | 10-1/2 |
| SVFWYE80 | 8 | 23 | 7-11/16 | 19-1/2 | 11-13/16 |
| SVFWYE103 | 10 x 3 | 15-1/2 | 2-3/4 | 12 | 10-3/4 |
| SVFWYE104 | 10 x 4 | 17 | 3-9/16 | 13-1/2 | 11-1/8 |
| SVFWYE105 | 10 x 5 | 18-1/2 | 4-5/16 | 15 | 11-5/8 |
| SVFWYE106 | 10 x 6 | 20 | 5-1/8 | 16-1/2 | 12-1/8 |
| SVFWYE108 | 10 x 8 | 23 | 6-1/2 | 19-1/2 | 13-7/8 |
| SVFWYE100 | 10 | 26 | 8 | 22-1/2 | 14-1/2 |
| SVFWYE124 | 12 x 4 | 19-1/4 | 4-1/8 | 15 | 12-7/16 |
| SVFWYE125 | 12 x 5 | 20-3/4 | 4-7/8 | 16-1/2 | 12-15/16 |
| SVFWYE126 | 12 x 6 | 22-1/4 | 5-11/16 | 18 | 13-7/16 |
| SVFWYE128 | 12 x 8 | 25-1/4 | 7-1/16 | 21 | 14-3/4 |

WYE (continued)

| PART# | SIZE | F | G | X | X* |
|------------|---------|--------|--------|--------|----------|
| SVFWYE1210 | 12 x 10 | 28-1/4 | 8-9/16 | 24 | 15-13/16 |
| SVFWYE1200 | 12 | 31-1/4 | 10-1/8 | 27 | 16-7/8 |
| SVFWYE1540 | 15 x 4 | 19-1/2 | 2-1/2 | 15-1/4 | 15 |
| SVFWYE1560 | 15 x 6 | 22-1/4 | 4 | 18 | 15-3/4 |
| SVFWYE1580 | 15 x 8 | 25-1/4 | 5-3/8 | 21 | 17-1/16 |
| SVFWYE1510 | 15 x 10 | 28-1/4 | 6-7/8 | 24 | 18-1/8 |
| SVFWYE1512 | 15 x 12 | 31-1/4 | 8-7/16 | 27 | 19-3/16 |
| SVFWYE1500 | 15 | 35-3/4 | 10-3/4 | 31-1/2 | 20-3/4 |



COMBINATION WYE AND 1/8 BEND

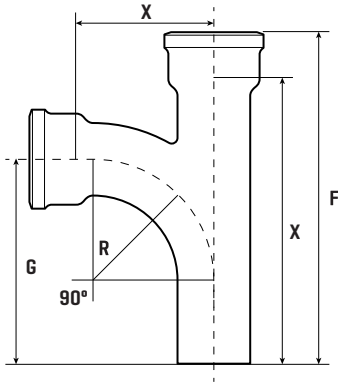
| PART# | SIZE | F | G | H | R | X | X* |
|----------|-------|--------|---------|---------|-------|--------|--------|
| SVFCOM20 | 2 | 10-1/2 | 4 | 3-3/8 | 3 | 8 | 4-7/8 |
| SVFCOM32 | 3 x 2 | 11-3/4 | 4-3/16 | 4 | 3 | 9 | 5-3/4 |
| SVFCOM30 | 3 | 13-1/4 | 5 | 5-1/16 | 3-1/2 | 10-1/2 | 7 |
| SVFCOM42 | 4 x 2 | 12 | 3-11/16 | 4-1/2 | 3 | 9 | 6-1/4 |
| SVFCOM43 | 4 x 3 | 13-1/2 | 4-1/2 | 5-9/16 | 3-1/2 | 10-1/2 | 7-1/2 |
| SVFCOM40 | 4 | 15 | 5-1/4 | 6-13/16 | 4 | 12 | 9 |
| SVFCOM52 | 5 x 2 | 12 | 3-1/4 | 5 | 3 | 9 | 6-3/4 |
| SVFCOM53 | 5 x 3 | 13-1/2 | 4 | 6-1/16 | 3-1/2 | 10-1/2 | 8 |
| SVFCOM54 | 5 x 4 | 15 | 4-1/4 | 7-5/16 | 4 | 12 | 9-1/2 |
| SVFCOM50 | 5 | 16-1/2 | 5-1/2 | 8-5/8 | 4-1/2 | 13-1/2 | 11 |
| SVFCOM62 | 6 x 2 | 12 | 2-11/16 | 5-1/2 | 3 | 9 | 7-1/4 |
| SVFCOM63 | 6 x 3 | 13-1/2 | 3-1/8 | 6-9/16 | 3-1/2 | 10-1/2 | 8-1/2 |
| SVFCOM64 | 6 x 4 | 15 | 4-1/4 | 7-13/16 | 4 | 12 | 10 |
| SVFCOM65 | 6 x 5 | 16-1/2 | 5-1/16 | 9-1/8 | 4-1/2 | 13-1/2 | 11-1/2 |
| SVFCOM60 | 6 | 18 | 5-3/4 | 10-5/16 | 5 | 15 | 12-7/8 |
| SVFCOM84 | 8 x 4 | 17 | 4-3/4 | 8-13/16 | 4 | 13-1/2 | 11 |
| SVFCOM86 | 8 x 6 | 20 | 6-5/16 | 11-5/16 | 5 | 16-1/2 | 13-7/8 |
| SVFCOM80 | 8 | 23 | 7-11/16 | 13-7/8 | 6 | 19-1/2 | 17 |



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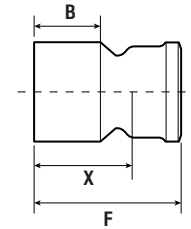
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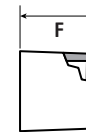
SANITARY TEE

| PART# | SIZE | F | G | R | X | X* |
|-----------|---------|--------|--------|-------|--------|--------|
| SVFSTE20 | 2 | 10-1/2 | 6-1/4 | 2-1/2 | 8 | 2-3/4 |
| SVFSTE32 | 3 x 2 | 11-3/4 | 7 | 3 | 9 | 4 |
| SVFSTE30 | 3 | 12-3/4 | 7-1/2 | 3-1/2 | 10 | 4 |
| SVFSTE42 | 4 x 2 | 12 | 7 | 3 | 9 | 4-1/2 |
| SVFSTE43 | 4 x 3 | 13 | 7-1/2 | 3-1/2 | 10 | 4-1/2 |
| SVFSTE40 | 4 | 14 | 8 | 4 | 11 | 4-1/2 |
| SVFSTE54 | 5 x 4 | 14 | 8 | 4 | 11 | 5 |
| SVFSTE50 | 5 | 15 | 8-1/2 | 4-1/2 | 12 | 5 |
| SVFSTE62 | 6 x 2 | 12 | 7 | 3 | 9 | 5-1/2 |
| SVFSTE63 | 6 x 3 | 13 | 7-1/2 | 3-1/2 | 10 | 5-1/2 |
| SVFSTE64 | 6 x 4 | 14 | 8 | 4 | 11 | 5-1/2 |
| SVFSTE60 | 6 | 16 | 9 | 5 | 13 | 5-1/2 |
| SVFSTE84 | 8 x 4 | 16-1/2 | 9-3/4 | 4 | 13 | 6-1/2 |
| SVFSTE86 | 8 x 6 | 18-1/2 | 10-3/4 | 5 | 15 | 6-1/2 |
| SVFSTE80 | 8 | 20-1/2 | 11-3/4 | 6 | 17 | 6-5/8 |
| SVFSTE104 | 10 x 4 | 16-1/2 | 9-3/4 | 4 | 13 | 7-1/2 |
| SVFSTE106 | 10 x 6 | 18-1/2 | 10-3/4 | 5 | 15 | 7-1/2 |
| SVFSTE108 | 10 x 8 | 20-1/2 | 11-3/4 | 6 | 17 | 7-5/8 |
| SVFSTE110 | 10 | 22-1/2 | 12-3/4 | 7 | 19 | 7-5/8 |
| SVFSTE126 | 12 x 6 | 20-3/4 | 12 | 5 | 16-1/2 | 8-1/2 |
| SVFSTE128 | 12 x 8 | 22-3/4 | 13 | 6 | 18-1/2 | 8-5/8 |
| SVFSTE120 | 12 x 10 | 24-3/4 | 14 | 7 | 20-1/2 | 8-5/8 |
| SVFSTE122 | 12 | 26-3/4 | 15 | 8 | 22-1/2 | 8-3/4 |
| SVFSTE150 | 15 | 29-3/4 | 16-1/2 | 9-1/2 | 25-1/2 | 10-1/4 |



REDUCER

| PART# | SIZE | B | F | X |
|-----------|--------|-------|--------|-------|
| SVFRED32 | 3 x 2 | 4-1/2 | 9 | 6 |
| SVFRED42 | 4 x 2 | 4-1/2 | 9 | 6 |
| SVFRED43 | 4 x 3 | 4-1/2 | 9 | 6 |
| SVFRED52 | 5 x 2 | 4-1/2 | 9 | 6 |
| SVFRED53 | 5 x 3 | 4-1/2 | 9-1/2 | 6 |
| SVFRED54 | 5 x 4 | 5-1/4 | 9-1/2 | 6-1/2 |
| SVFRED62 | 6 x 2 | 5-1/4 | 9-1/2 | 6-1/2 |
| SVFRED63 | 6 x 3 | 5-1/4 | 9-1/2 | 6-1/2 |
| SVFRED64 | 6 x 4 | 5-1/4 | 10 | 6-1/2 |
| SVFRED65 | 6 x 5 | 5-1/4 | 10 | 6-1/2 |
| SVFRED84 | 8 x 4 | 5-1/4 | 9-1/2 | 6-1/2 |
| SVFRED85 | 8 x 5 | 5-1/4 | 10 | 6-1/2 |
| SVFRED86 | 8 x 6 | 5-1/4 | 10 | 6-1/2 |
| SVFRED104 | 10 x 4 | 5-1/4 | 10-3/4 | 6-1/2 |



PIPE PLUG

| PART# | SIZE | F |
|-----------|------|-------|
| SVFPLG20 | 2 | 3-1/2 |
| SVFPLG30 | 3 | 3-3/4 |
| SVFPLG40 | 4 | 4 |
| SVFPLG50 | 5 | 4 |
| SVFPLG60 | 6 | 4 |
| SVFPLG80 | 8 | 4-1/2 |
| SVFPLG100 | 10 | 4-1/2 |
| SVFPLG120 | 12 | 5-1/4 |
| SVFPLG150 | 15 | 5-1/4 |



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PRODUCTS

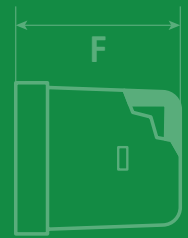
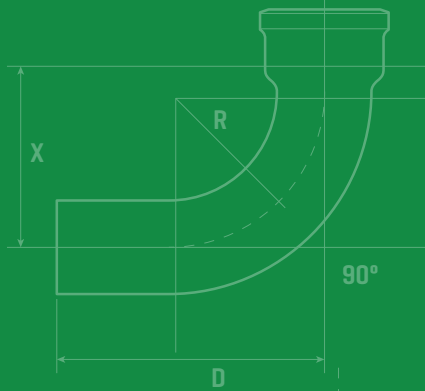
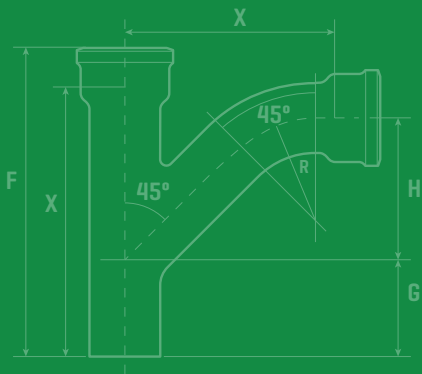
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PRICES

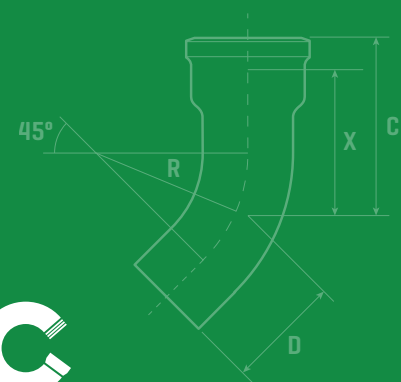
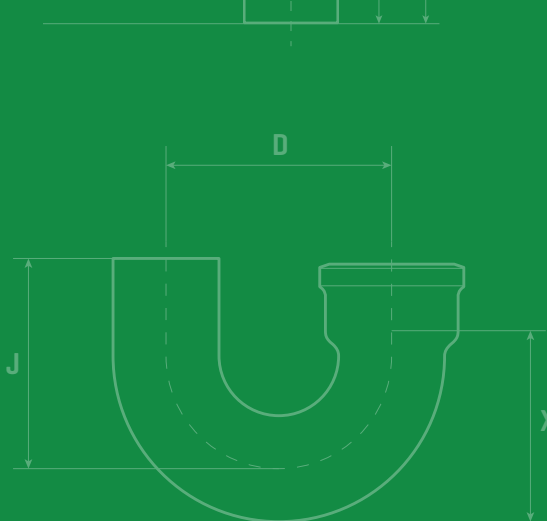
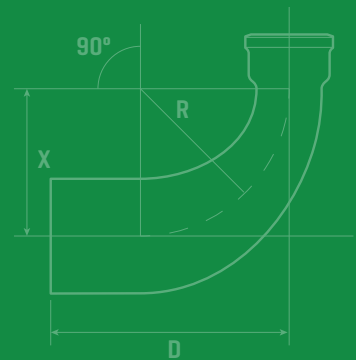
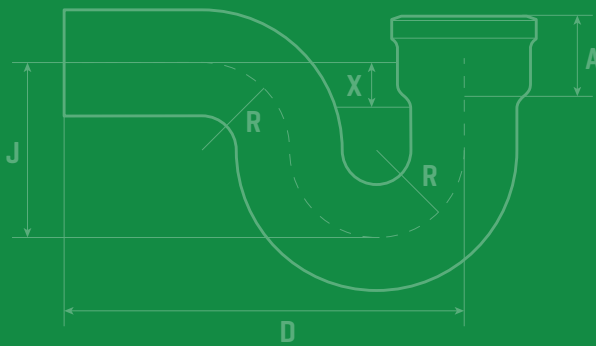
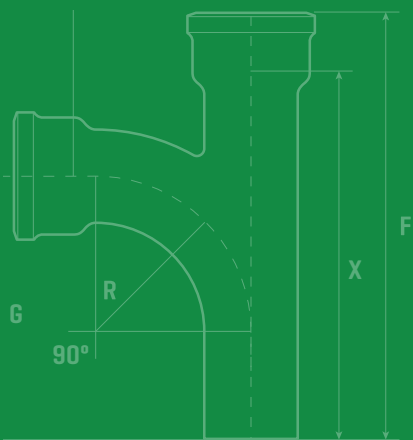
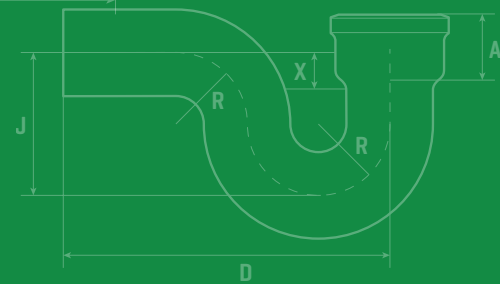
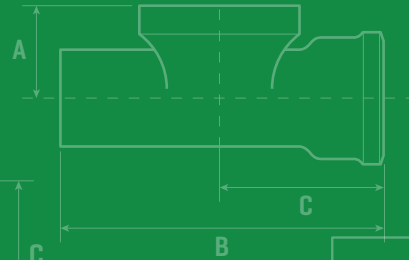
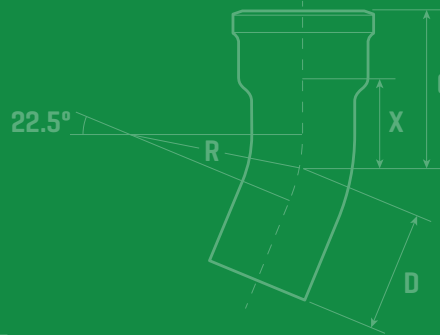
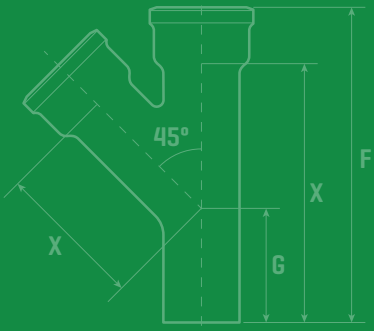
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