

TRADE PRICE LIST

JULY 2023

Cast Iron above & below
ground drainage systems

> Ensign > Timesaver > VortX

PAM BUILDING SPECIALISES IN THE MANUFACTURE OF CAST IRON ABOVE AND BELOW GROUND DRAINAGE SYSTEMS, FOR COMMERCIAL, PUBLIC AND RESIDENTIAL BUILDINGS.

**WE LEAD MARKETS
IN THE SUPPLY OF:**

- > **Cast iron soil and rainwater systems, and suspended pipework in basements and car parks and buried under building drainage**
- > Innovative products and processes
- > Specialist engineering services
- > Total technical support

With PAM Building, you can be assured of Quality, Innovation and Technical Expertise at all times.

All parts of our operation have audited quality management systems and fully satisfy BS EN ISO 9001:2015. The majority of products are third-party assessed and approved against all relevant worldwide regulations and standards.



With the international support of parent company Saint-Gobain, we are able to offer unrivalled technical support, a total solution approach and unparalleled quality and innovation. A UK-based business, with one foundry and a distribution centre in the Midlands, we combine international reach with local, specific solutions across all of our customers.

We continually invest time, energy and expertise to create an extensive range of innovative solutions which are easy to install, simple to joint and simply offer better value for money in terms of total life costs.

PAM Building is an international company, which employs around 360 people with sales in more than 50 countries. Our focus is to build on our 150 years of experience in the manufacture of cast iron products, a noble and durable material. We form part of the Saint-Gobain group, which employs over 167,000 people, one of the world's leading multinational organisations for construction materials. This enables us to leverage this history to provide you with excellent products and services.



CLICK THE LINKS OR SCAN THE QR CODES

Anywhere you see the click icon, you will be able to click the text and go straight to the section/page mentioned in the text. Also all contact details and QR Codes throughout the document on all pages are hyperlinked for your convenience.

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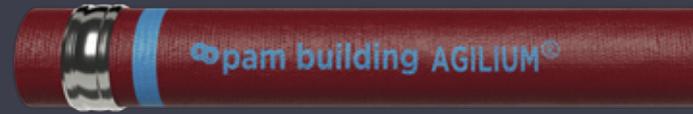
THE BEST PLACE FOR ALL THE LATEST INFORMATION IS OUR WEBSITE:

www.pambuilding.co.uk

WHAT'S NEW?



ENSIGN AGILIUM®



New cast iron drainage solution,
30%* lighter for easier and faster installation
20% lower CO2e** reducing environmental impact

LESS CO2e, LIGHTER AND MORE SUSTAINABLE

PAM Building has launched **Ensign Agilium®**, a new, more sustainable solution that helps reduce our environmental impact while facilitating ease of installation. These innovative products are part of our continued sustainable approach and are 100% compatible with existing ranges while maintaining the high standards that you would expect from a PAM Building product.

> Environment

Ensign Agilium® cast iron is made of 99% recycled material and is 100% recyclable. Innovations in product design and manufacturing have reduced CO2e emissions by 20%**.

> Durability

Due to their exceptional mechanical properties, cast iron drainage systems prevent the need for costly and time-consuming repairs.

> Fire safety

Ensign Agilium® cast iron is a non-combustible, A1 rated material that is fire resistant for up to 2 hours protecting people and property.

> Acoustic comfort

Our cast iron systems easily meet the industry guidelines. Ensign Agilium® produces airborne noise of 46 dB(A) and structure-borne noise of 13 dB(A) according to EN14366, for a discharge rate of 2 l/s (with the use of our anti-vibration collars and acoustic dampeners).

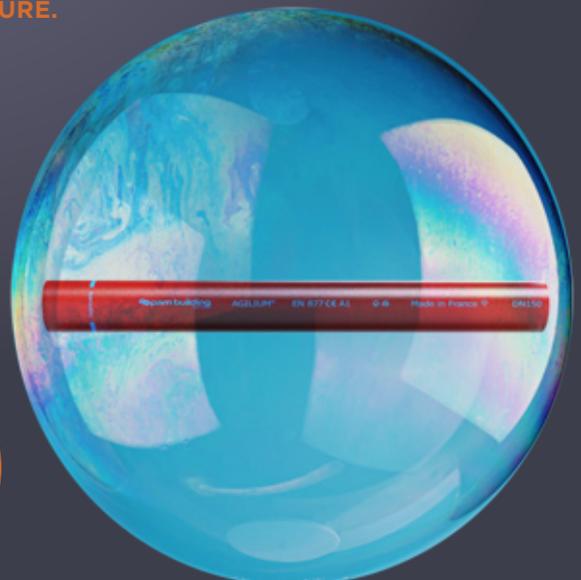
> Total cost of installation

Due to having thinner pipe walls, you could save up to 58% of your time cutting pipe with Ensign Agilium.

THIS NEW RANGE EMBODIES OUR MOTTO - SAFE AND SUSTAINABLE BY NATURE.

* 30% is the average pipe weight reduction compared to the standard Ensign range.

** 20% is the reduction of CO2e in the production stage, compared to the standard range (according to the respective EPDs).



PLEASE CLICK HERE OR
SCAN THE QR CODE TO
SEE MORE ON OUR WEBSITE

NEW VORTX ALUMINIUM ROOF OUTLETS

OUR NEW **ALUMINIUM ROOF OUTLETS** HAVE MULTIPLE ADVANTAGES FOR EVERYONE INVOLVED WITH A PROJECT.



VERTICAL SPIGOT OUTLETS WITH DOME GRATE



VERTICAL THREADED OUTLETS WITH DOME GRATE



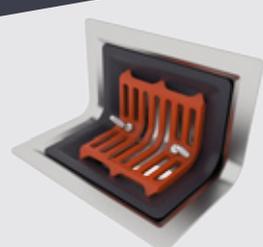
VERTICAL SPIGOT OUTLETS WITH FLAT GRATE



VERTICAL THREADED OUTLETS WITH FLAT GRATE



BALCONY OUTLETS WITH FLAT GRATE



TWO-WAY OUTLETS WITH FLAT GRATE

FIND VORTX ALUMINIUM ROOF OUTLETS ON PAGE 92

ACCESSORIES



EXTENSION RINGS & THREADED ADAPTORS

PLEASE CLICK HERE OR SCAN THE QR CODE TO SEE MORE ON OUR WEBSITE



CUSTOMER SERVICE

Your 1st Choice through the actions of our people

- > Passionate about customer satisfaction
- > Enterprising in support of our customers' aims
- > Trustworthy by keeping our promises



WEBSITE: 
www.pambuilding.co.uk

TECHNICAL SALES 
Telephone: 01952 262529
Email: enquiries.pambuilding@saint-gobain.com

CUSTOMER SERVICE 
Telephone: 01952 262508
Email: orders.pambuilding@saint-gobain.com

DELIVERY SERVICE CATEGORY (DSC) TIMESCALES

PAM Building provide a product availability structure for all its products to enable contractors and distributors to plan supply more effectively on projects.

The products are categorised as follows and are shown against each product in the price list tables.

| Category | Description | Within Working Days |
|----------|---|---------------------|
| A | Products manufactured for ex-stock availability. Any out-of-stock situation should be quickly resolved. | 5 |
| B | Products manufactured and a stock level will be held based on average demand. | 5-15 |
| C | Products generally of lower demand—some stock may be held or made to order. | 15-30 |

Look for the DSC key at the top of the pages: **A** =5 **B** =5-15 **C** =15-30

If there is a product you require faster than the time-scale above please call our sales team on 01952 262508

TECHNICAL SERVICES

Do you want your projects to be more productive and benefit from the latest products and services, to reduce time-on-site, costs and the number of components used?

Our Technical Team is here to help you get the best from our products and services to ensure you deliver your project in an optimum way when it comes to the environment, site efficiency and the total cost of installation. Not only can our Technical team help you with any questions you might have about our products or services but we offer a full take-off quotation service.

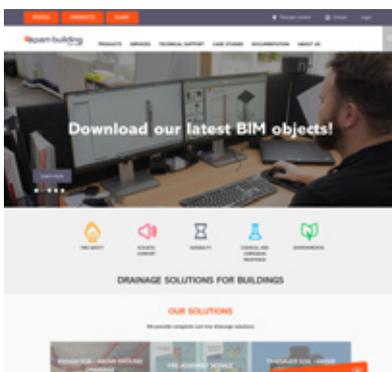
We offer technical training either in our training room at our Telford factory or we can come to your site. We are proud of our manufacturing site and all our team would welcome you to our site to have a factory tour; *please click or scan the QR code to the right* for a link to an animation about our factory.

More training is also available with our CPD training presentations which can be delivered either in person or online. Please visit our training page to review what is available and contact your sales manager or our technical team for further information.

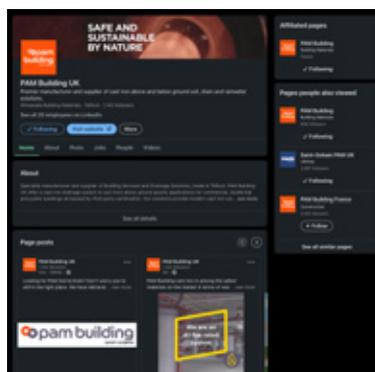


Technical Enquiries: 01952 262529 **Email:** technical.pambuilding@saint-gobain.com

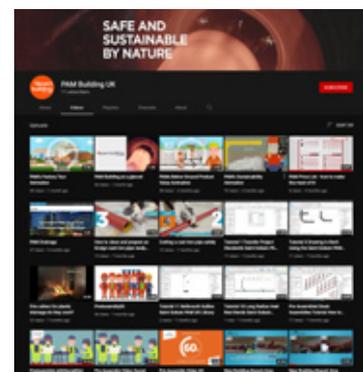
Our media locations will also keep you up to date with the latest information so *please click or scan the QR codes below* to visit them, then follow us or bookmark our pages:



WEBSITE



LinkedIn



YouTube



ENSIGN AGILIUM®

**LESS CO₂e, LIGHTER
AND MORE SUSTAINABLE.**

PAM Building has launched Ensign Agilium®, a new, more sustainable solution that helps reduce our environmental impact while facilitating ease of installation. 100% compatible with our Ensign Soil range.





NEW ENSIGN AGILIUM®

Our Ensign Agilium® range is the first choice for commercial, public and residential buildings; particularly multi-storey buildings which require robust and safe solutions.

THE KEY FEATURES AND BENEFITS OF ENSIGN AGILIUM®:

FIRE PERFORMANCE

- > Fire resistance tests have been carried out, by Efectis, on both wall and floor slab penetrations and in most circumstances no additional protection is required to achieve Approved Document B EI ratings.
- > The fire resistance of a product is its ability to resist fire for a given time and not transmit the fire to an adjacent room.
- > Ensign Agilium® cast iron is a non-combustible metallic material with a melting point higher than 1,000°C.

DURABILITY

- > Due to their exceptional mechanical properties, cast iron drainage systems prevent the need for costly and time-consuming repairs.

WEIGHT

- > 30% lighter to carry for easier and faster installation.
- > The thinner walled pipes are now much quicker to cut, don't believe us, watch our time trial! (Scan QR Code below).

SUSTAINABILITY

- > Innovations in product design and manufacturing have reduced CO2e emissions by 20%**.
- > Ensign Agilium® cast iron is made of 99% recycled material.
- > Always 100% recyclable.
 - > Can be recycled infinitely into grade 1 products.
- > Long product life of 70 years for sanitary soil and rainwater systems.

FOR MORE INFORMATION PLEASE VISIT OUR WEBSITE:

www.pambuilding.co.uk



PLEASE CLICK HERE OR SCAN THE QR CODE TO SEE OUR TIME TRIAL VIDEO ON YOUTUBE



PIPES

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|---|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| AGILIUM 3M PIPE | | | | | | | | | |
|  | AP000 | | | | | | | | |
| | 100 | 1 | 16.8 | A | 283723 | 146.51 | — | — | — |
| | 125 | 1 | 23.8 | C | 283724 | 235.04 | — | — | — |
| | 150 | 1 | 30.5 | A | 283725 | 290.25 | — | — | — |
| | 200 | 1 | 46.8 | B | 283726 | 485.02 | — | — | — |
| | 250 | 1 | 69.6 | B | 283727 | 677.63 | — | — | — |
| | 300 | 1 | 90.6 | C | 283728 | 843.89 | — | — | — |

RADIUS BENDS

| AGILIUM 45° SHORT RADIUS BENDS | | | | | | | | | |
|---|--------------|---|------|---|--------|-------|---|---|---|
|  | AF002 | | | | | | | | |
| | 100 | 1 | 1.15 | A | 282809 | 36.76 | — | — | — |
| | 125 | 1 | 2.04 | C | 283032 | 54.15 | — | — | — |
| | 150 | 1 | 3.01 | A | 286809 | 66.03 | — | — | — |

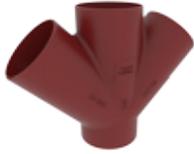
| AGILIUM 88° SHORT RADIUS BENDS – PLEASE NOTE THAT THE 125 & 150 WILL BE AVAILABLE LATE JULY | | | | | | | | | |
|--|--------------|---|------|---|--------|-------|---|---|---|
|  | AF002 | | | | | | | | |
| | 100 | 1 | 1.79 | A | 283022 | 36.76 | — | — | — |
| | 125 | 1 | 2.84 | C | 286824 | 54.15 | — | — | — |
| | 150 | 1 | 4.33 | A | 286823 | 66.03 | — | — | — |

BRANCHES

| AGILIUM 45° SINGLE BRANCHES (EQUAL AND UNEQUAL) – PLEASE NOTE THAT THE 150X100, 150X125 & 150X150 WILL BE AVAILABLE LATE JULY | | | | | | | | | |
|--|--------------|---|------|---|--------|--------|---|---|---|
|  | AF006 | | | | | | | | |
| | 100x100 | 1 | 3.28 | A | 282807 | 59.54 | — | — | — |
| | 125x100 | 1 | 4.25 | C | 283033 | 119.42 | — | — | — |
| | 125x125 | 1 | 5.3 | C | 283034 | 128.51 | — | — | — |
| | 150x100 | 1 | 5.72 | B | 286814 | 139.78 | — | — | — |
| | 150x125 | 1 | 6.71 | C | 286813 | 172.25 | — | — | — |
| | 150x150 | 1 | 8.2 | B | 286810 | 142.44 | — | — | — |

| AGILIUM 88° SINGLE TEE BRANCHES (EQUAL AND UNEQUAL) | | | | | | | | | |
|---|--------------|---|------|---|--------|-------|---|---|---|
|  | AF006 | | | | | | | | |
| | 100x100 | 1 | 2.46 | A | 282810 | 59.54 | — | — | — |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|--|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| AGILIUM 45° DOUBLE BRANCHES (EQUAL AND UNEQUAL) | | | | | | | | | |

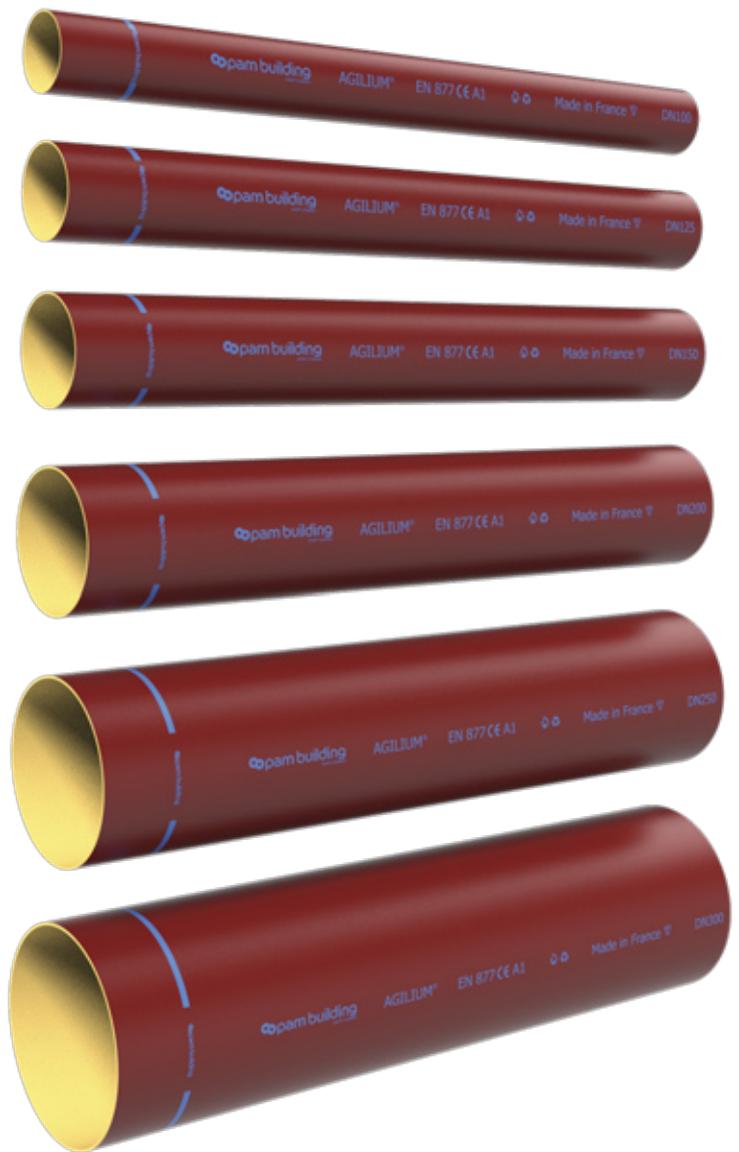


| AF010 | | | | | | | | | |
|-------------|---|------|---|--------|-------|---|---|---|---|
| 100x100x100 | 1 | 4.14 | B | 283024 | 88.87 | — | — | — | — |

Please note, due to the sustainable advantages of our new Ensign Agilium range, we will be slowly phasing out our standard Ensign Soil products. This means you may see both ranges in your order as we go through this transition, but don't worry, Ensign Agilium is completely compatible with our standard Ensign Soil range (and vice versa) so this will not affect the quality or integrity of your system.

Ensign Agilium also has all the benefits of our standard Ensign Soil range in terms of fire safety, acoustic performance, and longevity, just with more time and space-saving qualities.

TO LEARN MORE
PLEASE CLICK HERE
OR SCAN THE QR CODE



ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

ENSIGN DRAINAGE SOLUTIONS

OUR ENSIGN DRAINAGE RANGE PROVIDES SPECIFIERS, CONTRACTORS, OWNERS AND BUILDING USERS WITH TOTAL PEACE OF MIND THANKS TO ITS UNBEATABLE PERFORMANCE.

At the heart of our offer is our material, cast iron, which delivers a fantastic performance in many areas: sustainability, fire resistance, acoustics, robustness and service life. Our above and below ground drainage systems offer a wide range of dimensions and fittings to meet all your project needs. We also offer a range of products and services that reduce the number of components required on a project which in turn reduces the time required to install the system.





Our Ensign range is the first choice for commercial, public and residential buildings; particularly multi-storey buildings which require robust and safe solutions.

OUR ABOVE-GROUND SYSTEM IS USED FOR:

- > Sanitary soil drainage
- > Rainwater systems

THE KEY FEATURES AND BENEFITS OF OUR ENSIGN ABOVE-GROUND SYSTEM ARE:

FIRE PERFORMANCE

- > A1 fire rated under BS EN 13501-1:2018, giving you the highest level of fire protection
- > Non-combustible, so will not fuel a fire
- > Will not create molten droplets which can spread a fire down through a building
- > Suitable to use on the façade of high-rise residential buildings over 18m high, as per the recently amended building regulations

SUSTAINABILITY

- > Manufactured from 99% recycled materials
- > Always 100% recyclable
 - > Can be recycled infinitely into grade 1 products
- > Long product life of 70 years for sanitary soil and rainwater systems

ACOUSTICS

- > An inherently quiet system without the need for other acoustic products to meet the performance requirements of acoustically sensitive rooms
 - > Other materials might need other products such as lagging to reduce the acoustic impact, which costs more in materials, installation time, space and environmental impact.
 - > Outperforms acoustic plastic systems by up to 12dB(A) based on structure-borne tests at 2L/s with our acoustic damper system
- > Acoustic dampeners can be fitted for the ultimate acoustic performance
- > Simple Installation
- > The expansion co-efficient is virtually the same as concrete so there is no need for expansion joints like those required for HDPE systems
- > Less bracketry is required which will reduce installation cost and time
- > A wide range of couplings to help with both speed of installation and high-pressure situations

ENSIGN DRAINAGE SOLUTIONS

HIGH PERFORMANCE

- > High-quality pipes manufactured by PAM Building in France using the De Lavaud process gives:
- > A greater impact and crush resistance, than other processes and materials, making it most suitable for exposed situations
- > Gives a reduced surface hardness that makes it much easier to cut on-site.
- > High performing mechanical joint solutions that can perform from 0.5 bar to more than 10 bar
- > Adjustments and changes to the system can be done with ease after the system has been installed.
- > Kitemark approved to BS EN 877:1999+A1:2006
- > Fire tested to BS EN 13501-1:2018 achieving an A1 fire rating

WIDE RANGE

- > 50-600mm diameter range
- > A wide range of swept branches in compliance with BS EN 12056-2:2000 and Public Health best practice
- > A wide range of waste connection fittings from 1 to 6 boss connections
- > Strong robust ductile iron brackets
- > Installation time and space-saving products such as the new Venting Branch system and the rodding branch (see page 4 & 5)
- > Pre-Assembly Service will save up to 60% of the installation time on site
- > Full range of BIM objects and an easy system to design with.

For our below ground Ensign system we offer a robust range that will meet all your below ground drainage needs and give you confidence in our fit and forget solutions. The key features and benefits of installing our Ensign cast iron system are:

- > Easy and flexible installation
- > Suitable for underbuilding drainage which is encased in concrete
- > Resistant to the crushing weight of pouring and high temperatures of concrete curing
- > Our pipes have an internal epoxy coating, nearly twice the thickness of some competitors
- > Ensign drain pipes have an external Zinc coat applied in line with BS EN 877:1999+A1:2006.
- > Natural Longevity
- > Suitable for bridge and tunnel applications
- > A range of chambers to reduce installation times and quality
- > A range of fittings to meet all your project needs



PERFORMANCE STANDARDS

BS EN 877:1999+A1:2006

- > KM 51733 kitemark certification for above and below ground use
- > Below ground pipe to standard BS EN 877:1999+A1:2006—require the application of an external Zinc layer of 130gr/m².

CE AND UKCA MARK

- > Ensign is manufactured to BS EN 877:1999+A1:2006—a European harmonised standard and as such under the construction products directive must be UKCA not CE marked by Law. The manufacturer must make a product declaration of performance in conjunction with BS EN 877:1999+A1:2006 (DoP), and must be fire-rated after a test carried out at an accredited Fire Research establishment. Ensign has been tested at EXOVA in Warrington and rated A1.

THE ENSIGN DOP IS AVAILABLE ON THE PAM BUILDING WEBSITE. BS EN 14366:2004

- > Laboratory measurement of noise from wastewater systems
- > Ensign has been tested at the Fraunhofer Institute in Germany and has the lowest level of acoustic measurement when using PAM Building acoustic brackets.

FIRE PERFORMANCE

- > Above ground reaction to fire category A1
- > Fire resistance
- > Building Regulations Document B—No special protection is required
- > ASFP Red Book guidance—Pipe penetration between floors and walls made with a mortar based material.

CLICK OR SCAN
THE QR CODE
TO WATCH THE
FIRE TEST VIDEO



PIPES

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|--|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| 3M PIPE | | | | | | | | | |
| | | | | | EP000 | | | ED000 | |
|  RAL 3002 | 50 | 37 | 12.5 | A | 156363 | 106.42 | — | — | — |
| | 70 | 41 | 17.0 | A | 156455 | 123.12 | — | — | — |
| | 100 | 38 | 24.5 | A | 156563 | 146.51 | A | 155349 | 191.24 |
| | 125 | 23 | 34.3 | C | 156736 | 235.04 | — | — | — |
|  RAL 7015 | 150 | 20 | 41.0 | A | 156827 | 290.25 | A | 155414 | 381.05 |
| | 200 | 10 | 67.4 | B | 156951 | 485.02 | B | 155448 | 644.16 |
| | 250 | 8 | 97.3 | B | 157049 | 677.63 | B | 155476 | 946.97 |
| | 300 | 6 | 126.8 | C | 157114 | 843.89 | B | 155493 | 1,179.39 |
| | 400 | 2 | 177.7 | C | 157171 | 1,657.34 | C | 155508 | 1,910.74 |
| | 500 | 1 | 244.9 | C | 157187 | 2,061.15 | C | 155511 | 2,218.66 |
| | 600 | 1 | 321.9 | C | 157203 | 2,513.12 | C | 175630 | 2,727.25 |

BRACKETS

DUCTILE IRON PIPE BRACKETS



Threaded bars size is M10 for 50 to 100mm and M12 for 150 & 200mm

| | | | | EF048 | | | ED048 | | |
|-----|----|-----|---|--------|---------------|---|--------|---------------|--|
| 50 | 48 | 0.3 | A | 156408 | 14.41 | — | — | — | |
| 70 | 30 | 0.5 | A | 156505 | 14.41 | — | — | — | |
| 100 | 30 | 0.6 | A | 156646 | 16.65 | B | 175593 | 19.28 | |
| 150 | 16 | 0.8 | A | 156898 | 30.85 | B | 175594 | 36.52 | |
| 200 | 8 | 1.5 | B | 177745 | 114.35 | C | 177743 | 139.17 | |

DUCTILE IRON PIPE BRACKET FITTED WITH ACOUSTIC DAMPENER—TESTED TO BS EN 14366:2004

Spares Kit (10) = 225610



| | | | | EF048AD | | | | | |
|-----|----|-----|---|---------|--------------|---|---|---|--|
| 50 | 48 | 0.5 | B | 199881 | 28.01 | — | — | — | |
| 70 | 30 | 0.6 | B | 199882 | 28.01 | — | — | — | |
| 100 | 30 | 0.7 | A | 199883 | 29.90 | — | — | — | |
| 150 | 16 | 1.0 | B | 199884 | 37.36 | — | — | — | |

DUCTILE IRON PIPE BRACKET (DOUBLE BRACED)



| | | | | EF049 | | | | | |
|-----|---|-----|---|--------|--------------|---|---|---|--|
| 100 | 1 | 0.8 | B | 177744 | 18.22 | — | — | — | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

VERTICAL MILD STEEL BRACKET



| EF048MS | | | | | | | | | |
|---------|-----|---|-----|---|--------|-------|---|---|---|
| | 125 | 1 | 1.1 | B | 192259 | 29.04 | — | — | — |

SPLIT BAND MILD STEEL BRACKETS



| EF048SMBS | | | | | | | | | |
|-----------|-----|---|------|---|--------|--------|---|---|---|
| | 200 | 1 | 1.27 | C | 285737 | 45.90 | — | — | — |
| | 250 | 1 | 1.72 | C | 285738 | 63.26 | — | — | — |
| | 300 | 1 | 1.86 | C | 285739 | 69.70 | — | — | — |
| | 400 | 1 | 2.3 | C | 261761 | 88.14 | — | — | — |
| | 500 | 1 | 2.9 | C | 261762 | 126.15 | — | — | — |

RUBBER LINED MILD STEEL BRACKETS



| EF048MSL | | | | | | | | | |
|----------|-------|----|-----|---|--------|--------|---|---|---|
| | 50 | 50 | 0.1 | B | 251197 | 7.69 | — | — | — |
| | 70/75 | 50 | 0.2 | B | 251198 | 11.73 | — | — | — |
| | 100 | 25 | 0.3 | B | 251199 | 14.04 | — | — | — |
| | 150 | 20 | 0.4 | B | 251201 | 20.50 | — | — | — |
| | 200 | 10 | 0.6 | C | 251202 | 36.31 | — | — | — |
| | 250 | 10 | 1.6 | C | 251203 | 60.05 | — | — | — |
| | 300 | 10 | 1.8 | C | 251204 | 119.81 | — | — | — |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

STAINLESS STEEL COUPLINGS RAPID NG (EPDM RUBBER GASKET)



Nitrile Gaskets available on request

EC002NG

| | | | | | | | | |
|-----|-----|-----|---|--------|--------|---|---|---|
| 50 | 100 | 0.2 | A | 210424 | 15.95 | — | — | — |
| 70 | 140 | 0.3 | A | 210425 | 17.59 | — | — | — |
| 100 | 100 | 0.5 | A | 210427 | 22.86 | — | — | — |
| 125 | 50 | 0.6 | C | 210428 | 28.36 | — | — | — |
| 150 | 50 | 0.7 | A | 210429 | 45.80 | — | — | — |
| 200 | 20 | 0.8 | B | 210430 | 102.40 | — | — | — |
| 250 | 4 | 0.9 | B | 228759 | 146.63 | — | — | — |
| 300 | 4 | 1.0 | B | 228771 | 169.71 | — | — | — |

TWO PIECE IRON DUCTILE COUPLINGS (EPDM GASKETS)



300mm diameter is 4 piece
400mm, 500mm, 600mm
diameter couplings see
EC002HP

EC002

ED001

| | | | | | | | | |
|-----|----|-----|---|--------|--------|---|--------|--------|
| 50 | 32 | 0.6 | A | 156398 | 15.95 | — | — | — |
| 70 | 27 | 0.7 | A | 156493 | 17.59 | — | — | — |
| 100 | 20 | 1.1 | A | 156634 | 22.86 | A | 155369 | 32.26 |
| 125 | 12 | 0.9 | C | 156777 | 28.36 | — | — | — |
| 150 | 8 | 1.7 | A | 156888 | 45.80 | A | 155433 | 65.88 |
| 200 | 4 | 3.7 | A | 156998 | 102.40 | A | 155462 | 146.78 |
| 250 | 1 | 4.4 | B | 175552 | 146.63 | B | 175591 | 186.88 |
| 300 | 1 | 6.5 | B | 175510 | 169.71 | B | 175592 | 214.07 |

GRIP COLLARS – STAINLESS STEEL



**To overclamp ductile iron
coupling EC002
To give 5 bar unrestrained

Will overclamp all sizes
Stainless Steel EC002NG
Couplings

EC002GC

| | | | | | | | | |
|-------|----|-----|---|--------|--------|---|---|---|
| 50 | 10 | 0.5 | B | 221261 | 51.17 | — | — | — |
| 70 | 10 | 0.7 | B | 221267 | 59.80 | — | — | — |
| **100 | 10 | 0.9 | B | 220750 | 79.34 | — | — | — |
| **150 | 4 | 1.2 | B | 221270 | 113.27 | — | — | — |
| **200 | 3 | 1.7 | C | 221271 | 155.87 | — | — | — |
| 250 | 1 | 1.7 | C | 227039 | 258.27 | — | — | — |
| 300 | 1 | 1.7 | C | 227040 | 290.27 | — | — | — |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |



| PAM-GRIP STAINLESS STEEL HIGH PERFORMANCE COUPLING WITH GRIP (EPDM GASKETS) | | | | | | | | | | |
|---|-----|---|------|---|-----------|--------|---|-----------|--------|--|
| | | | | | EC002HP-G | | | EC002HP-G | | |
| | 50 | 1 | 0.6 | B | 269439 | 105.28 | B | 269439 | 105.28 | |
| | 70 | 1 | 1.0 | B | 269440 | 111.35 | B | 269440 | 111.35 | |
| | 100 | 1 | 1.1 | B | 269441 | 137.62 | B | 269441 | 137.62 | |
| | 150 | 1 | 2.3 | B | 269442 | 199.84 | B | 269442 | 199.84 | |
| | 200 | 1 | 5.6 | B | 269443 | 336.22 | B | 269443 | 336.22 | |
| | 250 | 1 | 6.5 | B | 269444 | 485.10 | B | 269444 | 485.10 | |
| | 300 | 1 | 7.2 | B | 269445 | 496.12 | B | 269445 | 496.12 | |
| | 400 | 1 | 10.3 | B | 269446 | 596.32 | B | 269446 | 596.32 | |
| | 500 | 1 | 16.9 | C | 269447 | 738.24 | C | 269447 | 738.24 | |
| | 600 | 1 | 19.6 | C | 269448 | 872.56 | C | 269448 | 872.56 | |

All steel components are Grade 316 EPDM gasket Nitrile available on request

| PAM-FLEX HIGH PERFORMANCE COUPLING NON-GRIP (EPDM GASKETS) | | | | | | | | | | |
|--|--|--|--|--|---------|--|--|---------|--|--|
| | | | | | EC002HP | | | EC002HP | | |



| | | | | | | | | | |
|--|-----|---|-----|---|--------|--------|---|--------|--------|
| | 50 | 1 | 0.6 | B | 269450 | 79.56 | B | 269450 | 79.56 |
| | 70 | 1 | 1.0 | B | 269451 | 83.24 | B | 269451 | 83.24 |
| | 100 | 1 | 1.1 | B | 269452 | 93.98 | B | 269452 | 93.98 |
| | 150 | 1 | 2.3 | B | 269453 | 131.26 | B | 269453 | 131.26 |
| | 200 | 1 | 4.1 | B | 269454 | 142.63 | B | 269454 | 142.63 |
| | 250 | 1 | 4.6 | B | 269455 | 165.24 | B | 269455 | 165.24 |
| | 300 | 1 | 5 | B | 269456 | 179.68 | B | 269456 | 179.68 |
| | 400 | 1 | 5.8 | B | 269457 | 268.52 | B | 269457 | 268.52 |
| | 500 | 1 | 6.6 | C | 269458 | 305.28 | C | 269458 | 305.28 |
| | 600 | 1 | 7.4 | C | 269459 | 338.25 | C | 269459 | 338.25 |

All steel components are Grade 316 EPDM gasket Nitrile available on request

Note – Coupling requires estraining to perform to higher pressures

Please note for removal and re-installation of the bolts for the HP couplings will require MolyKote (code 278599) applied to the threads. Please call the technical team for details on 01952 262529.

| PAM-FLEX HIGH PERFORMANCE COUPLING NON-GRIP (EPDM GASKETS) – SLIM | | | | | | | | | | |
|---|--|--|--|--|-----------|--|--|-----------|--|--|
| | | | | | EC002HP-S | | | EC002HP-S | | |



| | | | | | | | | | |
|--|----------|---|------|---|--------|--------|---|--------|--------|
| | 100 slim | 1 | 1.02 | B | 281605 | 93.98 | B | 281605 | 93.98 |
| | 150 slim | 1 | 2 | B | 281606 | 131.26 | B | 281606 | 131.26 |
| | 200 slim | 1 | 3.5 | B | 286435 | 142.63 | B | 286435 | 142.63 |

These are slip couplings and to be used when space between some fittings is tight. They are 65mm wide. Please see the datasheet for further details.

| PAM-FLEX HIGH PERFORMANCE COUPLING WITH GRIP (EPDM GASKETS) – SLIM | | | | | | | | | | |
|--|--|--|--|--|---------|--|--|---------|--|--|
| | | | | | EC002HP | | | EC002HP | | |



| | | | | | | | | | |
|--|----------|---|------|---|--------|--------|---|--------|--------|
| | 100 slim | 1 | 1.02 | B | 286431 | 135.24 | B | 286431 | 135.24 |
| | 150 slim | 1 | 2 | B | 286432 | 195.23 | B | 286432 | 195.23 |
| | 200 slim | 1 | 3.5 | B | 286433 | 324.59 | B | 286433 | 324.59 |
| | 250 slim | 1 | 5.38 | B | 286434 | 468.53 | B | 286434 | 468.53 |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

88° SHORT RADIUS BENDS



* 100 & 150 below ground only for rainwater

| | | | | EF002 | | | ED002 | | |
|-----|---|------|---|--------|----------|---|--------|--------|--|
| 50 | 1 | 0.7 | A | 191437 | 27.57 | — | — | — | |
| 70 | 1 | 1.3 | A | 191442 | 31.03 | — | — | — | |
| 100 | 1 | 1.9 | A | 191447 | 36.76 | C | 271397 | 40.92* | |
| 125 | 1 | 3.2 | C | 191454 | 54.15 | — | — | — | |
| 150 | 1 | 4.4 | A | 191459 | 66.03 | C | 278339 | 77.69* | |
| 200 | 1 | 9.8 | C | 191462 | 210.96 | — | — | — | |
| 250 | 1 | 17.3 | C | 191463 | 383.56 | — | — | — | |
| 300 | 1 | 27.4 | C | 191431 | 631.64 | — | — | — | |
| 400 | 1 | 72.7 | C | 265224 | 1,003.21 | — | — | — | |

68° SHORT RADIUS BENDS



| | | | | EF002 | | | | | |
|-----|---|------|---|--------|--------|---|---|---|--|
| 50 | 1 | 0.6 | C | 191436 | 27.57 | — | — | — | |
| 70 | 1 | 1.2 | C | 191441 | 31.03 | — | — | — | |
| 100 | 1 | 2.1 | C | 191446 | 36.76 | — | — | — | |
| 150 | 1 | 4.2 | C | 191458 | 66.03 | — | — | — | |
| 200 | 1 | 7.8 | C | 156968 | 196.56 | — | — | — | |
| 250 | 1 | 14.7 | C | 157067 | 383.56 | — | — | — | |
| 300 | 1 | 20.0 | C | 157132 | 539.53 | — | — | — | |

45° SHORT RADIUS BENDS



| | | | | EF002 | | | ED002 | | |
|-----|---|------|---|--------|----------|---|--------|----------|--|
| 50 | 1 | 0.6 | A | 191435 | 27.57 | — | — | — | |
| 70 | 1 | 0.9 | A | 191440 | 31.03 | — | — | — | |
| 100 | 1 | 1.4 | A | 191445 | 36.76 | A | 191765 | 43.30 | |
| 125 | 1 | 2.3 | C | 191452 | 54.15 | — | — | — | |
| 150 | 1 | 3.0 | A | 191457 | 66.03 | B | 191766 | 77.69 | |
| 200 | 1 | 6.8 | B | 191461 | 196.56 | C | 191767 | 226.06 | |
| 250 | 1 | 10.9 | B | 191464 | 383.56 | C | 191879 | 449.66 | |
| 300 | 1 | 18.7 | C | 191432 | 539.53 | C | 191880 | 610.24 | |
| 400 | 1 | 35.0 | C | 192335 | 1,392.98 | C | 192370 | 1,453.55 | |
| 500 | 1 | 53.0 | C | 192376 | 2,269.38 | C | 192382 | 2,087.84 | |
| 600 | 1 | 92.0 | C | 192377 | 2,466.14 | C | 192383 | 2,688.55 | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

30° SHORT RADIUS BENDS



| | | | | EF002 | | | ED002 | | |
|-----|---|------|---|--------|--------|---|--------|--------|--|
| 50 | 1 | 0.5 | C | 191434 | 27.57 | — | — | — | |
| 70 | 1 | 0.7 | C | 191439 | 31.03 | — | — | — | |
| 100 | 1 | 1.5 | A | 191444 | 36.76 | A | 191768 | 43.30 | |
| 150 | 1 | 3.2 | C | 191456 | 66.03 | B | 191769 | 77.69 | |
| 200 | 1 | 7.0 | C | 155933 | 196.56 | C | 265382 | 235.90 | |
| 250 | 1 | 9.7 | C | 155948 | 383.56 | C | 265380 | 460.27 | |
| 300 | 1 | 15.5 | C | 155960 | 539.53 | C | 265379 | 701.38 | |
| 400 | 1 | 34.6 | C | 264752 | 852.17 | C | 266308 | 968.21 | |

15° SHORT RADIUS BENDS



| | | | | EF002 | | | ED002 | | |
|-----|---|------|---|--------|--------|---|--------|--------|--|
| 50 | 1 | 0.4 | C | 191433 | 27.57 | — | — | — | |
| 70 | 1 | 0.7 | C | 191438 | 31.03 | — | — | — | |
| 100 | 1 | 1.3 | A | 191443 | 36.76 | A | 191770 | 43.30 | |
| 150 | 1 | 2.5 | C | 191455 | 66.03 | B | 191771 | 77.69 | |
| 200 | 1 | 4.6 | C | 155932 | 196.56 | C | 265381 | 235.90 | |
| 400 | 1 | 19.3 | C | 269726 | 670.49 | C | 270324 | 871.64 | |

45° MEDIUM RADIUS BENDS



| | | | | ED02M | | | | | |
|-----|---|-----|---|-------|---|---|--------|--------|--|
| 100 | 1 | 3.5 | — | — | — | B | 191772 | 73.72 | |
| 150 | 1 | 5.9 | — | — | — | C | 191773 | 183.47 | |

88° MEDIUM & LONG RADIUS BENDS



| | | | | EF02L | | | ED02L | | |
|--------|---|-----|---|--------|--------|---|--------|--------|--|
| 100 LR | 1 | 4.8 | A | 191549 | 93.46 | A | 191774 | 101.15 | |
| 150 MR | 1 | 8.7 | B | 191550 | 267.85 | B | 191775 | 303.32 | |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

22° LONG RADIUS BENDS



| | | | | EF02L | | | ED02L | | |
|--------|---|-----|---|--------|-------|---|--------|-------|--|
| 100 LR | 1 | 2.0 | C | 191548 | 68.91 | C | 191776 | 74.26 | |

88° HEEL REST BENDS



| | | | | ED007 | | | | | |
|-----|---|-----|---|-------|---|---|--------|--------|--|
| 100 | 1 | 5.7 | — | — | — | B | 192289 | 125.67 | |
| 150 | 1 | 9.9 | — | — | — | C | 192290 | 309.15 | |

88° SHORT RADIUS BENDS WITH REAR ACCESS



| | | | | EF005 | | | | | |
|-----|---|-----|---|--------|--------|---|---|---|--|
| 70 | 1 | 1.8 | C | 156472 | 60.21 | — | — | — | |
| 100 | 1 | 3.3 | A | 156589 | 87.92 | — | — | — | |
| 150 | 1 | 4.5 | B | 156845 | 154.68 | — | — | — | |

88° LONG RADIUS BEND WITH REAR ACCESS



| | | | | EF05L | | | ED05L | | |
|-----|---|-----|---|--------|--------|---|--------|--------|--|
| 100 | 1 | 5.7 | B | 156607 | 113.74 | C | 191777 | 133.81 | |

88° MEDIUM RADIUS BEND WITH REAR ACCESS



| | | | | EF05M | | | ED05M | | |
|-----|---|------|---|--------|--------|---|--------|--------|--|
| 150 | 1 | 10.7 | C | 192357 | 276.30 | C | 192358 | 309.15 | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

ACCESS PIPES WITH ROUND DOOR



| | | | | EF014 | | | ED014 | | |
|--|-----|---|-----|-------|--------|--------|-------|--------|--------|
| | 50 | 1 | 1.6 | B | 191516 | 73.52 | — | — | — |
| | 70 | 1 | 2.0 | B | 191517 | 77.78 | — | — | — |
| | 100 | 1 | 3.1 | A | 191518 | 85.49 | C | 191805 | 96.27 |
| | 150 | 1 | 6.2 | B | 191519 | 154.75 | C | 191806 | 160.21 |

ACCESS PIPES WITH RECTANGULAR DOOR



| | | | | EF015 | | | ED015 | | |
|--|-----|---|------|-------|--------|----------|-------|--------|----------|
| | 100 | 1 | 7.2 | B | 191840 | 165.30 | C | 191807 | 192.13 |
| | 125 | 1 | 9.0 | C | 191521 | 172.01 | — | — | — |
| | 150 | 1 | 12.7 | B | 191841 | 258.85 | C | 191808 | 300.44 |
| | 200 | 1 | 21.5 | C | 191522 | 514.11 | C | 191809 | 604.75 |
| | 250 | 1 | 38.5 | C | 191523 | 808.95 | C | 191883 | 980.10 |
| | 300 | 1 | 50.0 | C | 191520 | 1,009.11 | C | 191884 | 1,170.13 |

CORNER MULTI-WASTE MANIFOLD CONNECTOR 4 X 50MM BSP INLETS



| | | | | EF099 | | | | | |
|--|-----|---|------|-------|--------|--------|---|---|---|
| | 100 | 1 | 10.4 | C | 270321 | 262.18 | — | — | — |

MANIFOLD CONNECTORS



| | | | | EF094 | | | | | |
|--|-----|---|-----|-------|--------|--------|---|---|---|
| | 100 | 1 | 3.2 | C | 175626 | 151.54 | — | — | — |
| | 150 | 1 | 6.0 | C | 175629 | 211.11 | — | — | — |

Plastic Plugs, 10 pack, 191173 – £11.18

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS



Note: to comply to BS EN 12056 part 2 use a Swept Radius, see page 22.

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

88° SINGLE TEE BRANCHES (EQUAL AND UNEQUAL)

EF006

| | | | | | | | | |
|---------|---|------|---|--------|----------|---|---|---|
| 50x50 | 1 | 1.0 | B | 191469 | 44.25 | — | — | — |
| 70x50 | 1 | 1.5 | C | 191472 | 46.73 | — | — | — |
| 70x70 | 1 | 1.7 | B | 191475 | 46.73 | — | — | — |
| 100x50 | 1 | 2.0 | B | 191479 | 64.10 | — | — | — |
| 100x70 | 1 | 2.3 | C | 191482 | 64.10 | — | — | — |
| 100x100 | 1 | 2.7 | A | 191485 | 59.54 | — | — | — |
| 125x100 | 1 | 4.0 | C | 191490 | 119.42 | — | — | — |
| 125x125 | 1 | 4.2 | C | 191492 | 128.51 | — | — | — |
| 150x100 | 1 | 4.6 | B | 191497 | 138.00 | — | — | — |
| 150x125 | 1 | 5.8 | C | 191499 | 159.57 | — | — | — |
| 150x150 | 1 | 6.0 | C | 191501 | 142.44 | — | — | — |
| 200x200 | 1 | 13.3 | C | 191505 | 487.83 | — | — | — |
| 250x250 | 1 | 22.6 | C | 191508 | 861.00 | — | — | — |
| 300x300 | 1 | 35.5 | C | 191466 | 1,107.84 | — | — | — |

69° SINGLE BRANCHES (EQUAL AND UNEQUAL)



EF006

ED006

| | | | | | | | | |
|---------|---|-----|---|--------|--------|---|--------|--------|
| 50x50 | 1 | 1.0 | C | 191468 | 44.25 | — | — | — |
| 70x50 | 1 | 1.4 | C | 191471 | 46.73 | — | — | — |
| 70x70 | 1 | 1.7 | C | 191474 | 46.73 | — | — | — |
| 100x50 | 1 | 2.2 | C | 191478 | 64.10 | — | — | — |
| 100x70 | 1 | 2.7 | C | 191481 | 64.10 | — | — | — |
| 100x100 | 1 | 2.7 | C | 191484 | 59.54 | C | 191781 | 69.93 |
| 150x100 | 1 | 5.1 | C | 191496 | 139.78 | C | 191851 | 164.34 |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|---|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| 45° SINGLE BRANCHES (EQUAL AND UNEQUAL) | | | | | | | | | |
| | | | | | EF006 | | | ED006 | |
|  | 50x50 | 1 | 1.3 | A | 191467 | 44.25 | — | — | — |
| | 70x50 | 1 | 1.8 | C | 191470 | 46.73 | — | — | — |
| | 70x70 | 1 | 2.3 | B | 191473 | 46.73 | — | — | — |
| | 100x50 | 1 | 2.4 | A | 191477 | 64.10 | — | — | — |
| | 100x70 | 1 | 2.7 | B | 191480 | 64.10 | — | — | — |
| | 100x100 | 1 | 3.7 | A | 191483 | 59.54 | A | 191782 | 69.93 |
| | 125x70 | 1 | 4.0 | C | 191488 | 128.51 | — | — | — |
| | 125x100 | 1 | 5.3 | C | 191489 | 119.42 | — | — | — |
| | 125x125 | 1 | 5.6 | C | 191491 | 128.51 | — | — | — |
| | 150x70 | 1 | 5.1 | B | 191494 | 139.78 | — | — | — |
| | 150x100 | 1 | 5.7 | B | 191495 | 139.78 | B | 191783 | 164.34 |
| | 150x125 | 1 | 8.0 | C | 191498 | 172.25 | — | — | — |
| | 150x150 | 1 | 8.4 | B | 191500 | 142.44 | C | 191784 | 167.49 |
| | 200x100 | 1 | 9.6 | C | 191502 | 358.63 | C | 191785 | 421.77 |
| | 200x150 | 1 | 14.2 | C | 191503 | 368.86 | C | 191786 | 421.77 |
| | 200x200 | 1 | 19.4 | C | 191504 | 399.42 | C | 191787 | 452.50 |
| | † 250x100 | 1 | 13.6 | C | 157073 | 458.30 | C | 259817 | 511.69 |
| | † 250x150 | 1 | 17.3 | C | 157075 | 458.30 | C | 259816 | 511.69 |
| | † 250x200 | 1 | 24.3 | C | 157078 | 572.89 | C | 265383 | 687.45 |
| | 250x250 | 1 | 32.2 | C | 191507 | 859.01 | C | 191881 | 1,009.29 |
| † 300x100 | 1 | 19.3 | C | 157138 | 756.19 | C | 264870 | 907.40 | |
| † 300x150 | 1 | 23.2 | C | 157140 | 756.19 | C | 264869 | 907.40 | |
| † 300x200 | 1 | 28.4 | C | 157141 | 802.01 | — | — | — | |
| † 300x250 | 1 | 37.2 | C | 157142 | 802.01 | — | — | — | |
| 300x300 | 1 | 54.8 | C | 191465 | 1,107.84 | C | 191882 | 1,455.80 | |
| 400x300 | 1 | 60.0 | C | 192339 | 2,653.64 | C | 192384 | 2,500.50 | |
| 400x400 | 1 | 94.7 | C | 192336 | 3,149.43 | C | 192373 | 2,704.77 | |
| † 500x500 | 1 | 175.0 | C | 192378 | 4,685.47 | C | 192385 | 4,322.61 | |
| † 600x600 | 1 | 215.0 | C | 192379 | 4,787.13 | C | 192386 | 5,319.06 | |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

88° SINGLE BRANCH (SWEPT RADIUS) (SEE BS EN 12056 PART 2)



| | | | | EF06R | | | ED06R | | |
|--|---------|---|------|-------|--------|--------|-------|--------|--------|
| | 70x70 | 1 | 2.2 | B | 156539 | 56.92 | — | — | — |
| | 100x50 | 1 | 2.4 | B | 156611 | 74.93 | — | — | — |
| | 100x70 | 1 | 2.9 | C | 156612 | 74.93 | — | — | — |
| | 100x100 | 1 | 3.3 | A | 156696 | 68.02 | B | 191788 | 77.38 |
| | 150x100 | 1 | 7.6 | B | 156869 | 162.04 | C | 191789 | 260.89 |
| | 150x150 | 1 | 11.7 | C | 156926 | 269.79 | C | 191790 | 263.00 |
| | 200x150 | 1 | 13.0 | C | 156985 | 456.07 | C | 191791 | 536.43 |
| | 200x200 | 1 | 21.0 | C | 157025 | 480.25 | C | 191792 | 564.97 |

88° SINGLE BRANCH (SWEPT RADIUS) WITH REAR ACCESS (SEE BS EN 12056 PART 2)



| | | | | EF07R | | | ED07R | | |
|--|---------|---|------|-------|--------|--------|-------|--------|--------|
| | 70x70 | 1 | 3.0 | C | 156540 | 83.46 | — | — | — |
| | 100x50 | 1 | 3.2 | C | 156614 | 113.19 | — | — | — |
| | 100x70 | 1 | 3.5 | C | 156621 | 113.19 | — | — | — |
| | 100x100 | 1 | 4.3 | B | 156697 | 117.47 | C | 191793 | 133.18 |
| | 150x100 | 1 | 8.9 | C | 156875 | 270.18 | C | 191794 | 281.08 |
| | 150x150 | 1 | 13.0 | C | 156927 | 329.60 | C | 191795 | 281.72 |

88° DOUBLE BRANCHES (SWEPT RADIUS) (EQUAL AND UNEQUAL) (SEE BS EN 12056 PART 2)



| | | | | EF010R | | | ED010R | | |
|--|---------|---|-----|--------|--------|--------|--------|--------|--------|
| | 100x100 | 1 | 4.2 | B | 157643 | 86.93 | C | 185373 | 102.20 |
| | 150x100 | 1 | 7.6 | C | 156862 | 390.14 | C | 191803 | 353.61 |

88° CORNER BRANCH (SWEPT RADIUS) (EQUAL)



| | | | | EF035R | | | | | |
|--|---------|---|-----|--------|--------|--------|---|---|---|
| | 100x100 | 1 | 4.4 | B | 264739 | 155.93 | — | — | — |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | | |
|---|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|--|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | |
| 45° DOUBLE BRANCHES (EQUAL AND UNEQUAL) | | | | | | | | | | |
|  | | | | | EF010 | | | ED010 | | |
| | 100x100 | 1 | 4.7 | B | 191509 | 88.87 | C | 191798 | 100.74 | |
| | 150x100 | 1 | 8.0 | C | 191512 | 263.49 | C | 191799 | 292.56 | |
| | 150x150 | 1 | 12.6 | C | 191513 | 354.32 | C | 191800 | 395.67 | |
| | 200x200 | 1 | 25.3 | C | 191514 | 491.05 | C | 191801 | 509.03 | |
| 88° CORNER BRANCHES (EQUAL AND UNEQUAL) | | | | | | | | | | |
|  | | | | | EF035 | | | | | |
| 150x100 | 1 | 7.1 | C | 155919 | 182.03 | — | — | — | | |
| 45° CORNER BRANCH | | | | | | | | | | |
|  | | | | | EF035 | | | | | |
| 100x100 | 1 | 5.9 | C | 156716 | 155.93 | — | — | — | | |
| 88° DOUBLE TEE BRANCHES (EQUAL AND UNEQUAL) | | | | | | | | | | |
|  | | | | | EF010 | | | | | |
| | 100x50 | 1 | 2.2 | C | 155825 | 63.08 | — | — | — | |
| | †100x70 | 1 | 2.7 | C | 155826 | 75.61 | — | — | — | |
| | 100x100 | 1 | 3.3 | B | 191511 | 85.65 | — | — | — | |
| | 150x100 | 1 | 5.7 | C | 155907 | 191.59 | — | — | — | |
| 69° DOUBLE BRANCHES | | | | | | | | | | |
|  | | | | | EF010 | | | ED010 | | |
| 100x100 | 1 | 3.4 | C | 191510 | 94.13 | C | 191796 | 110.82 | | |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|---|--|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| 88° LONG TAIL BEND | | | | | | | | | |
|  | | | | | EF055 | | | | |
| | 100 | 1 | 4.4 | C | 191567 | 71.13 | — | — | — |
| 45° LONG TAIL BEND | | | | | | | | | |
|  | | | | | EF055 | | | ED055 | |
|  | 100 | 1 | 4.0 | C | 191566 | 71.13 | C | 191778 | 75.74 |
| 88° LONG TAIL DOUBLE BENDS | | | | | | | | | |
|  | | | | | EF054 | | | | |
| | 70 | 1 | 3.1 | C | 191837 | 99.84 | — | — | — |
| | 100 | 1 | 4.4 | C | 191838 | 110.16 | — | — | — |
| 88° SHORT TAIL BENDS | | | | | | | | | |
|  | | | | | EF054 | | | | |
| | 100 | 1 | 2.6 | C | 233647 | 66.39 | — | — | — |
| | 150 | 1 | 6.94 | C | 233649 | 159.32 | — | — | — |
| 88° SINGLE LONG TAIL BOSS BRANCH SWEEP RADIUS WITH 4 X 50MM PUSH-FIT BOSSES (2 LEFT HAND, 2 RIGHT HAND) (SEE BS EN 12056 PART 2) | | | | | | | | | |
|  | | | | | EF096 | | | | |
| | 100 | 1 | 10.0 | C | 208644 | 360.99 | — | — | — |
| | Bosses require drilling out using a 51mm hole saw. Rubber grommets supplied in bags of 10. Product code 208205 (see page 39) See page 39 for hole saw accessories. | | | | | | | | |
| 88° DOUBLE LONG TAIL BOSS BRANCH SWEEP RADIUS WITH 4 X 50MM PUSH-FIT BOSSES (SEE BS EN 12056 PART 2) | | | | | | | | | |
|  | | | | | EF097 | | | | |
| | 100 | 1 | 11.0 | C | 208653 | 376.03 | — | — | — |
| | Bosses require drilling out using a 51mm hole saw. Rubber grommets supplied in bags of 10. Product code 208205 (see page 39) See page 39 for hole saw accessories. | | | | | | | | |
| 88° LONG TAIL TEE BRANCH | | | | | | | | | |
|  | | | | | EF056 | | | | |
| | 100x100 | 1 | 5.1 | C | 191568 | 209.08 | — | — | — |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|---|----------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| 45° LONG TAIL BRANCHES (EQUAL AND UNEQUAL) | | | | | | | | | |
|  | EF056 | | | | | | | | |
| | 100x100 | 1 | 5.9 | C | 156723 | 209.08 | — | — | — |
| | 150x150 | 1 | 18.3 | C | 156938 | 392.10 | — | — | — |
| 88° LONG TAIL CORNER BRANCH | | | | | | | | | |
|  | EF036 | | | | | | | | |
| | 100x100 | 1 | 7.5 | C | 191559 | 245.66 | — | — | — |
| 88° SINGLE LONG ARM BRANCH | | | | | | | | | |
|  | EF008 | | | | | | | | |
| | 100 | 1 | 6.0 | C | 156726 | 152.37 | — | — | — |
| SINGLE BOSS PIPES 50MM COMPRESSION | | | | | | | | | |
|  | EF090LT | | | | | | | | |
| | 100 | 1 | 5.0 | A | 280599 | 147.09 | — | — | — |
| O-Ring Gaskets (10 pack) – 259491 | | | | | | | | | |
| DOUBLE BOSS PIPES 50MM COMPRESSION OPPOSED | | | | | | | | | |
|  | EF091LT | | | | | | | | |
| | 100 | 1 | 5.2 | A | 281146 | 172.01 | — | — | — |
| DOUBLE BOSS PIPE 50MM COMPRESSION AT 90° | | | | | | | | | |
|  | EF092LT | | | | | | | | |
| | 100 | 1 | 5.6 | A | 282645 | 172.01 | — | — | — |

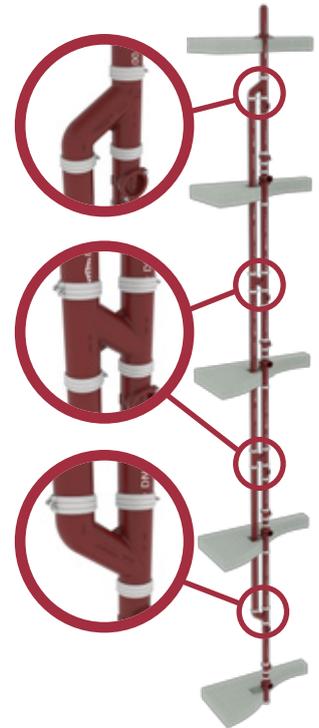
ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|---|---------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| SINGLE BOSS PIPES 50MM COMPRESSION | | | | | | | | | |
|  | EF090 | | | | | | | | |
| | 50 | 1 | 1.2 | B | 156371 | 62.15 | — | — | — |
| | 70 | 1 | 1.6 | B | 156460 | 62.15 | — | — | — |
| | 100 | 1 | 2.1 | A | 156573 | 75.98 | — | — | — |
| | 150 | 1 | 3.8 | C | 156836 | 123.87 | — | — | — |
| O-Ring Gaskets (10 pack) – 259491 | | | | | | | | | |
| SINGLE BOSS PIPE D/T 2" BSP | | | | | | | | | |
|  | EF090T | | | | | | | | |
| | 100 | 1 | 1.7 | B | 191847 | 79.53 | — | — | — |
| STRAP ON BOSS | | | | | | | | | |
|  | EF133 | | | | | | | | |
| | 70 | 1 | 1.1 | C | 265078 | 116.54 | — | — | — |
| | 100 | 1 | 1.4 | B | 262891 | 94.47 | — | — | — |
| | 150 | 1 | 1.6 | C | 262890 | 116.54 | — | — | — |
| DOUBLE BOSS PIPES 50MM COMPRESSION OPPOSED | | | | | | | | | |
|  | EF091 | | | | | | | | |
| | 100 | 1 | 2.7 | B | 156575 | 98.17 | — | — | — |
| | 150 | 1 | 4.4 | C | 192359 | 189.98 | — | — | — |
| DOUBLE BOSS PIPE D/T 2" BSP OPPOSED | | | | | | | | | |
|  | EF091T | | | | | | | | |
| | 100 | 1 | 2.2 | C | 191848 | 101.69 | — | — | — |
| DOUBLE BOSS PIPE 50MM COMPRESSION AT 90° | | | | | | | | | |
|  | EF092 | | | | | | | | |
| | 100 | 1 | 2.9 | C | 191849 | 98.17 | — | — | — |
| DOUBLE BOSS PIPES D/T 2" BSPT AT 90° | | | | | | | | | |
|  | EF092T | | | | | | | | |
| | 100 | 1 | 2.0 | C | 191850 | 101.69 | — | — | — |
| | 70 | 1 | 1.4 | C | 245545 | 115.30 | — | — | — |

OUR VENTING BRANCHES HAVE MULTIPLE ADVANTAGES FOR EVERYONE INVOLVED WITH A PROJECT.

They are currently available in two sizes, DN100-100 and DN100-50, and is another example of our innovation to meet the future market needs. Key benefits are:

- > The reduction of the number of components gives a 30% material saving and therefore gives linked environmental benefits
- > Enables designers to specify a single piece fitting when venting soil stacks rather than using lots of parts.
- > The pipe centres are as close together as possible which could mean there could be more living space within the building which is very valuable, especially in city locations.
- > This will also reduce the number of parts required for an assembly and therefore save contractors installation time on site.
- > Remove the need to cut a small bit of pipe, therefore reducing risk, noise, time and materials.



| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|
| | | | | ▲DSC. | PRODUCT CODE | UNIT PRICE £ |

INTERCONNECTING VENTING BRANCH



| EF013 | | | | | | |
|---------|---|-----|---|--------|--------|--|
| 100x100 | 1 | 6.9 | B | 270320 | 100.27 | |
| 100x50 | 1 | 3.8 | B | 279102 | 94.12 | |

ENTRY/TERMINAL VENTING BRANCH



| EF013 | | | | | | |
|---------|---|-----|---|--------|--------|--|
| 100x100 | 1 | 5.9 | B | 270303 | 119.26 | |
| 100x50 | 1 | 3.2 | B | 279105 | 112.68 | |

The same product can be used either way up at the top or bottom of the system.

▲Delivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

VENTING BRANCHES

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ▲DSC. | PRODUCT CODE | UNIT PRICE £ | ▲DSC. | PRODUCT CODE | UNIT PRICE £ |

THE ONE PIECE SOLUTION SAVES YOU TIME AND SPACE COMPARED TO A TYPICAL 8 PIECE COMPONENTS ASSEMBLY



To see the time saving our Rodding branch can give you, click or scan this QR code with your phone



45° RODDING BRANCH



| EF009 | | | | | | | | | |
|-------|---|-----|---|--------|--------|---|---|---|---|
| 100 | 1 | 7.0 | A | 266138 | 152.77 | — | — | — | — |

88° RODDING BRANCH



| EF009 | | | | | | | | | |
|-------|---|-----|---|--------|--------|---|---|---|---|
| 100 | 1 | 7.6 | A | 266135 | 204.90 | — | — | — | — |

EXPANSION PLUGS



| | | | | | EF074 | | ED074 | | |
|-----|---|-----|---|--------|--------|---|--------|-------|---|
| 50 | 1 | 0.2 | C | 156374 | 48.52 | — | — | — | — |
| 70 | 1 | 0.4 | C | 191582 | 29.31 | — | — | — | — |
| 100 | 1 | 0.7 | B | 191583 | 36.50 | C | 191823 | 48.67 | — |
| 150 | 1 | 1.5 | C | 191584 | 65.49 | C | 191824 | 89.63 | — |
| 200 | 1 | 4.1 | C | 156961 | 214.40 | — | — | — | — |
| 250 | 1 | 6.0 | C | 157060 | 204.15 | — | — | — | — |
| 300 | 1 | 9.1 | C | 157125 | 415.65 | — | — | — | — |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

BLANK ENDS PLAIN



| | | | | EF070 | | | ED070 | | |
|--|-----|---|------|-------|--------|--------|-------|--------|--------|
| | 50 | 1 | 0.2 | A | 191570 | 11.09 | — | — | — |
| | 70 | 1 | 0.4 | B | 191571 | 11.73 | — | — | — |
| | 100 | 1 | 0.8 | A | 191572 | 13.65 | B | 191818 | 16.10 |
| | 125 | 1 | 1.1 | C | 191573 | 16.38 | — | — | — |
| | 150 | 1 | 2.0 | B | 191574 | 19.72 | B | 191819 | 23.05 |
| | 200 | 1 | 3.2 | B | 191575 | 87.06 | C | 191820 | 102.46 |
| | 250 | 1 | 5.7 | C | 191576 | 177.92 | C | 191887 | 208.54 |
| | 300 | 1 | 11.0 | C | 191569 | 364.99 | C | 191888 | 322.17 |
| | 400 | 1 | 17.3 | C | 261894 | 379.94 | C | 265190 | 455.95 |
| | 500 | 1 | 24.0 | C | 261892 | 443.75 | C | 267710 | 532.51 |

BLANK ENDS WITH 50MM PUSH-FIT CONNECTOR



| | | | | EF071 | | | ED071 | | |
|--|-----|---|-----|-------|--------|-------|-------|--------|-------|
| | 70 | 1 | 0.4 | C | 191577 | 26.15 | — | — | — |
| | 100 | 1 | 1.0 | C | 191578 | 28.22 | C | 191821 | 33.17 |
| | 150 | 1 | 1.6 | C | 191580 | 33.91 | C | 191822 | 39.92 |

BLANK ENDS D/T 2" BSP



| | | | | EF071T | | | | | |
|--|-----|---|-----|--------|--------|-------|---|---|---|
| | 100 | 1 | 0.9 | B | 191579 | 33.13 | — | — | — |

UNIVERSAL CONNECTOR EPDM



| | | | | EF071R | | | | | |
|--|-----------------------------------|---|-----|--------|--------|-------|---|---|---|
| | 50x56/48/40 (OD Dimensions) | 1 | 0.1 | B | 155759 | 22.69 | — | — | — |

BLANK END WITH WASTE PUSH-FIT CONNECTOR



| | | | | EF077 | | | | | |
|--|-----------|---|-----|-------|--------|-------|---|---|---|
| | 100x38/32 | 1 | 0.4 | C | 191585 | 25.34 | — | — | — |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

TAPER PIPES



*PAM Building can manufacture large diameter tapers to most sizes i.e. 500x200 on a made to order basis (Price on application)

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|--------------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| TAPER PIPES | | | | EF028 | | | ED028 | | |
| | 70x50 | 1 | 0.5 | B | 191532 | 42.45 | — | — | — |
| | 100x50 | 1 | 0.9 | A | 191533 | 49.92 | — | — | — |
| | 100x70 | 1 | 0.9 | A | 191534 | 49.92 | — | — | — |
| | 125x50 | 1 | 1.2 | C | 191842 | 50.18 | — | — | — |
| | 125x70 | 1 | 1.5 | C | 191536 | 50.18 | — | — | — |
| | 125x100 | 1 | 1.6 | C | 191537 | 50.18 | — | — | — |
| | 150x50 | 1 | 1.7 | C | 191538 | 95.78 | — | — | — |
| | 150x70 | 1 | 1.8 | C | 191539 | 95.78 | — | — | — |
| | 150x100 | 1 | 2.2 | B | 191540 | 95.78 | B | 191810 | 103.40 |
| | 150x125 | 1 | 2.0 | C | 191541 | 95.78 | — | — | — |
| | 200x100 | 1 | 3.5 | C | 191542 | 155.59 | C | 191811 | 183.04 |
| | 200x125 | 1 | 3.4 | C | 191543 | 155.59 | — | — | — |
| | 200x150 | 1 | 3.9 | C | 191544 | 155.59 | C | 191812 | 183.04 |
| | 250x100 | 1 | 5.9 | C | 191545 | 321.36 | C | 191889 | 376.70 |
| | 250x150 | 1 | 6.1 | C | 191546 | 321.36 | C | 191886 | 376.70 |
| | 250x200 | 1 | 6.1 | C | 191547 | 321.36 | C | 191892 | 376.70 |
| | 300x150 | 1 | 10.4 | C | 191529 | 441.73 | C | 191890 | 524.37 |
| | 300x200 | 1 | 11.0 | C | 191530 | 441.73 | C | 191891 | 524.37 |
| | 300x250 | 1 | 12.7 | C | 191531 | 441.73 | C | 191885 | 524.37 |
| | 400x300 | 1 | 20.0 | C | 157163 | 552.84 | C | 155504 | 655.96 |
| | 500x150 | 1 | 26.5 | C | 270326 | 1,298.54 | C | 265404 | 1,426.07 |
| | 500x400 | 1 | 27.9 | C | 157184 | 1,298.54 | C | 270327 | 1,426.07 |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

'P' TRAP PLAIN (SUPPLIED WITH SUPPORT LUG)



| | | | | EF034 | | | ED034 | | |
|-----|---|-----|---|--------|-------|---|--------|-------|--|
| 100 | 1 | 4.5 | A | 156666 | 68.22 | C | 191815 | 80.33 | |

'P' TRAP WITH HEAD ACCESS (*SUPPLIED WITHOUT SUPPORT LUG ONLY)



| | | | | EF037 | | | ED037 | | |
|------|---|------|---|--------|--------|---|--------|--------|--|
| 50* | 1 | 2.0 | B | 156419 | 104.22 | — | — | — | |
| 70 | 1 | 2.7 | C | 156518 | 104.22 | — | — | — | |
| 100* | 1 | 5.2 | B | 156667 | 112.83 | C | 182482 | 131.50 | |
| 150 | 1 | 11.6 | B | 156911 | 201.82 | C | 182483 | 223.94 | |

BRANCH TRAP



| | | | | EF080 | | | | | |
|-----|---|------|---|--------|--------|---|---|---|--|
| 100 | 1 | 10.2 | C | 191587 | 247.32 | — | — | — | |

STENCH TRAP



| | | | | EF081 | | | | | |
|-----|---|------|---|--------|----------|---|---|---|--|
| 100 | 1 | 17.4 | C | 155841 | 513.70 | — | — | — | |
| 150 | 1 | 38.0 | C | 155921 | 1,084.07 | — | — | — | |

EEZI-FIT COUPLINGS



| | | | | EZ001 | | | | | |
|-----|----|-----|---|--------|-------|---|---|---|--|
| 100 | 12 | 1.3 | A | 208191 | 24.91 | — | — | — | |
| 150 | 1 | 2.0 | C | 216312 | 49.80 | — | — | — | |

PUSH-FIT DRAIN COUPLINGS



| | | | | | | | ED004 | | |
|-----|---|-----|---|---|---|---|--------|-------|--|
| 100 | 1 | 1.5 | — | — | — | A | 175622 | 35.31 | |
| 150 | 1 | 2.5 | — | — | — | A | 175623 | 69.34 | |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

STACK SUPPORT PIPES



| EF050 | | | | | | | | | |
|-------|-----|---|-----|---|--------|--------|---|---|---|
| | 70 | 1 | 1.8 | C | 191856 | 59.16 | — | — | — |
| | 100 | 1 | 2.8 | B | 191562 | 65.82 | — | — | — |
| | 125 | 1 | 3.6 | C | 191563 | 72.99 | — | — | — |
| | 150 | 1 | 4.8 | C | 191564 | 104.13 | — | — | — |

STACK SUPPORT BRACKETS SUPPLIED WITH RUBBER SEAL



| EF051 | | | | | | | | | |
|-------|-----|---|-----|---|--------|-------|---|---|---|
| | 70 | 1 | 1.1 | C | 191857 | 38.28 | — | — | — |
| | 100 | 1 | 1.5 | B | 191843 | 52.58 | — | — | — |
| | 125 | 1 | 1.7 | C | 191844 | 56.24 | — | — | — |
| | 150 | 1 | 2.6 | C | 191845 | 76.19 | — | — | — |

STACK SUPPORT PIPES COMPLETE WITH BRACKET AND SEAL



| EF050/51 | | | | | | | | | |
|----------|-----|---|------|---|--------|----------|---|---|---|
| | 200 | 1 | 10.0 | C | 157014 | 471.49 | — | — | — |
| | 250 | 1 | 18.5 | C | 157097 | 714.75 | — | — | — |
| | 300 | 1 | 30.8 | C | 157160 | 922.43 | — | — | — |
| | 400 | 1 | 64.8 | C | 269859 | 2,612.99 | — | — | — |
| | 500 | 1 | 89.8 | C | 269733 | 3,030.63 | — | — | — |

STACK SUPPORT PIPE CANTILEVER ARM BRACKET (GALVANISED STEEL)



| EF052 | | | | | | | | | |
|-------|---|---|-----|---|--------|-------|---|---|---|
| | — | 1 | 2.0 | C | 192329 | 44.12 | — | — | — |

STACK SUPPORT PIPE CANTILEVER ARM BRACKET WITH SUPPORT (FOR STACK SUPPORT PIPES 200–300MM IN DIAMETER) (GALVANISED STEEL)



| EF052 | | | | | | | | | |
|-------|---|---|-----|---|--------|--------|---|---|---|
| | — | 1 | 4.3 | C | 192330 | 114.99 | — | — | — |

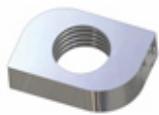
| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

STACK SUPPORT PIPE CONSOLE BRACKET (GALVANISED STEEL)



| EF052 | | | | | | | | | |
|-------|---|-----|---|--------|--------|---|---|---|---|
| — | 1 | 4.6 | C | 192331 | 105.63 | — | — | — | — |

CLAMP FOR SUPPORT BRACKETS



| EF052 | | | | | | | | | |
|-------|---|-----|---|--------|------|---|---|---|---|
| — | 1 | 0.3 | C | 192332 | 1.82 | — | — | — | — |

MOVEMENT CONNECTOR



| EF058 | | | | | | | | | |
|-------|---|-----|---|--------|--------|---|---|---|---|
| 50 | 1 | 2.4 | C | 156038 | 164.76 | — | — | — | — |
| 100 | 1 | 4.4 | B | 192304 | 204.17 | — | — | — | — |
| 150 | 1 | 7.8 | C | 156235 | 243.58 | — | — | — | — |

TRANSITIONAL CONNECTORS



| EF059 | | | | | | | | | |
|-------|---|-----|---|--------|--------|---|---|---|---|
| 100 | 1 | 1.8 | C | 156650 | 77.83 | — | — | — | — |
| 150 | 1 | 4.2 | C | 156902 | 143.14 | — | — | — | — |

ASPHALT ROOF CONNECTOR



| EF073 | | | | | | | | | |
|-------|---|-----|---|--------|--------|---|---|---|---|
| 100 | 1 | 2.1 | C | 191581 | 103.59 | — | — | — | — |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

AIR~WAVE VENT COWL

FOR TIMESAVER SOIL SEE PAGE 81 

Our Air-Wave vent cowl is a unique designed PAM Building fitting that allows the Ensign Soil pipe system to have a ventilation cap at the termination of a soil pipe system.

The unique wave apertures allow for air to flow through the pipe system but will also negate any blockages or any foreign objects/animals from entering the pipe system.

Also available in Timesaver Soil on page 81.



AIR~WAVE VENT COWL



EF075

| | | | | | | | | |
|-----|---|-----|---|--------|-------|---|---|---|
| 100 | 1 | 0.6 | B | 280544 | 15.00 | — | — | — |
|-----|---|-----|---|--------|-------|---|---|---|

FLANGES & OFFSETS

ROOF PENETRATION FLANGES



EF076

| | | | | | | | | |
|-----|---|-----|---|--------|--------|---|---|---|
| 75 | 1 | 6.1 | C | 205922 | 234.34 | — | — | — |
| 100 | 1 | 6.6 | C | 205924 | 247.10 | — | — | — |
| 150 | 1 | 6.6 | C | 238554 | 447.19 | — | — | — |

OFFSETS



EF024

| | | | | | | | | |
|---------|---|-----|---|--------|-------|---|---|---|
| 100x75 | 1 | 2.3 | C | 191526 | 56.52 | — | — | — |
| 50x130 | 1 | 1.5 | C | 191524 | 46.75 | — | — | — |
| 70x130 | 1 | 2.2 | C | 191525 | 70.96 | — | — | — |
| 100x130 | 1 | 3.8 | C | 191527 | 93.20 | — | — | — |

ENSIGN EEZI-FIT

EEZI-FIT is intended for use for gravity above ground sanitary applications in accordance with BS EN 12056-2:2000 (0.5 bar performance—kitemark approved).

Ideal for multi-floor applications EEZI-FIT is the ideal system for projects with long vertical soil stacks, such as flats and apartments, hotels, office blocks etc; where the main stack will remain unchanged over time.

BENEFITS

- > All the benefits of cast iron with the advantages of push-fit assembly. The system utilises a new gasket design that makes jointing simple, and completed in seconds. Electrical continuity can be accommodated.
- > EEZI-FIT connects to standard Ensign double spigot pipe and is fully compatible with all Ensign plain-ended fittings.
- > The installation of an Ensign mechanical joint positioned in the system can allow dismantling for future retro-fit.

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ^A DSC. | PRODUCT CODE | UNIT PRICE £ |
|---|--------------|--------------|----------------------|-------------------|------------------------|-----------------|
| EEZI-FIT COUPLINGS | | | | | | |
|  | 100 | 12 | 1.3 | A | EZ001 208191 | 24.91 |
| | 150 | 1 | 2.0 | C | 216312 | 49.80 |
| 88° SHORT RADIUS BENDS | | | | | | |
|  | 100 | 1 | 2.4 | B | EZ002 208192 | 49.76 |
| 45° SHORT RADIUS BENDS | | | | | | |
|  | 100 | 1 | 1.8 | B | EZ002 208193 | 49.76 |
| BOSS PIPE PUSH-FIT WITH SINGLE 50MM WASTE (SUPPLIED WITH GROMMETS) | | | | | | |
|  | 100 | 1 | 2.1 | B | EZ090 208199 | 79.14 |
| SPARES RANGE—EEZI-FIT ACCESSORIES | | | | | | |
| GASKETS (BAG OF 10) | | | | | | |
|  | 100 | 10 | — | C | 208204 | 38.95 |
| | 150 | 10 | — | C | 216316 | 41.23 |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

ENSIGN TO SUPERSLEVE CONNECTORS



| | | | | | | | ED076 | | |
|--|-----|---|-----|---|---|---|-------|--------|--------|
| | 100 | 1 | 1.8 | — | — | — | C | 191813 | 63.42 |
| | 150 | 1 | 4.6 | — | — | — | C | 191814 | 110.97 |

BELLMOUTH GULLY INLET BODY ONLY



Shown with plain grating,
code is for body only

| | | | | | | | ED060 | | |
|--|-----|---|-----|---|---|---|-------|--------|--------|
| | 100 | 1 | 2.4 | — | — | — | C | 191825 | 88.45 |
| | 150 | 1 | 2.9 | — | — | — | C | 191826 | 145.61 |

BELLMOUTH GULLY INLET BODY WITH FITTED SEALING PLATE



(Grey only)

| | | | | | | | ED066 | | |
|--|-----|---|-----|---|---|---|-------|--------|--------|
| | 100 | 1 | 4.4 | — | — | — | C | 191852 | 119.88 |
| | 150 | 1 | 5.2 | — | — | — | C | 191853 | 204.67 |

200MM PLAIN GRATING TO SUIT BELLMOUTH GULLY INLET



| | | | | | | | ED065 | | |
|--|-----|---|-----|---|---|---|-------|--------|-------|
| | 200 | 1 | 1.6 | — | — | — | B | 191828 | 20.63 |

PUDDLE FLANGES



| | | | | | | | ED078 | | |
|--------------|-----|---|------|---|---|---|-------|--------|--------|
| (Grey only) | 100 | 1 | 4.6 | — | — | — | C | 191829 | 111.55 |
| (Grey only) | 150 | 1 | 6.6 | — | — | — | C | 191830 | 137.70 |
| (Black only) | 250 | 1 | 13.0 | — | — | — | C | 192318 | 177.35 |
| (Black only) | 300 | 1 | 20.0 | — | — | — | C | 192319 | 213.62 |

MULTI-CLAMP PUDDLE FLANGE



| | | | | | | | ED078 | | |
|-------------|-----|---|-----|---|---|---|-------|--------|--------|
| (Grey only) | 200 | 1 | 6.1 | — | — | — | C | 191831 | 350.70 |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ⁴DSC. | PRODUCT CODE | UNIT PRICE £ | ⁴DSC. | PRODUCT CODE | UNIT PRICE £ |

| 45° INSPECTION CHAMBER CIRCULAR ACCESS | | | | | | | | | | |
|---|---------|---|------|---|---|---|---|--------|--------|--|
|  | | | | | | | | | ED012 | |
| | 100x100 | 1 | 17.4 | — | — | — | C | 191832 | 441.33 | |
| | 150x100 | 1 | 18.8 | — | — | — | C | 191833 | 571.67 | |
| | 150x150 | 1 | 20.6 | — | — | — | C | 191834 | 725.70 | |

| 45° INSPECTION CHAMBER RECTANGULAR ACCESS ONE BRANCH EACH SIDE | | | | | | | | | | |
|---|---------|---|-----|---|---|---|---|--------|--------|--|
|  | | | | | | | | | ED016 | |
| | 100x100 | 1 | 9.3 | — | — | — | C | 269013 | 491.94 | |

| 45° INSPECTION CHAMBER RECTANGULAR ACCESS TWO BRANCHES EACH SIDE | | | | | | | | | | |
|--|---------|---|------|---|---|---|---|--------|--------|--|
|  | | | | | | | | | ED017 | |
| | 100x100 | 1 | 16.8 | — | — | — | C | 270301 | 941.49 | |

⁴Delivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|---|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|--|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| T-BOX SPANNER | | | | | | | | | |
|  | — | 1 | — | | EF098 | | | — | |
| | | | | B | 191200 | 12.69 | | | — |
| RACHET SPANNER | | | | | | | | | |
|  | — | 1 | — | | EF100 | | | — | |
| | | | | B | 191201 | 116.15 | | | — |
| 13MM DEEP SOCKET | | | | | | | | | |
|  | 13mm | 1 | — | | EF101 | | | — | |
| | | | | B | 191202 | 29.20 | | | — |
| ALLEN KEY SOCKET ADAPTOR | | | | | | | | | |
|  | — | 1 | — | | EF102 | | | — | |
| | | | | B | 191753 | 29.20 | | | — |
| ENSIGN 'EXTREM 1K' (CUT-ENDS TREATMENT)—ACRYLIC RESIN TOUCH-UP PAINT FOR RED AND GREY SYSTEMS (QUICK-DRY, NON DRIP, BRUSH APPLIED) | | | | | | | | | |
|  | — | 1 | 0.5 | | C 226962 | 50.92 | | | — |
| TWO-PART, TOUCH-UP PAINT SPRAY FOR RED SYSTEM | | | | | | | | | |
|  | 0.4L | 1 | — | | C 216317 | 75.24 | | | — |
| TWO-PART, TOUCH-UP PAINT SPRAY FOR GREY SYSTEM | | | | | | | | | |
|  | 0.4L | 1 | — | | — | — | C | 216318 | 75.98 |
| | | | | | | | | | Timesaver Touch up paint - 192549 - price was £30.96 |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|--------------|--------------|----------------------|-------|-----------------|-----------------|
| RUBBER GROMMETS BOSS CONNECTIONS (BAG OF 10) | | | | | | |
|  | — | 10 | — | C | 208205 | 38.95 |
| 51MM HOLE SAW FOR CAST IRON | | | | | | |
|  | — | — | — | C | 208206 | 54.71 |
| HOLE SAW ARBOUR WITH DRILL FOR EEZI-FIT & TIMESAVER | | | | | | |
|  | — | — | — | C | 192327 | 67.89 |
| PILOT DRILL FOR EEZI-FIT & TIMESAVER | | | | | | |
|  | — | — | — | C | 192328 | 17.09 |
| LUBRICANT FOR PUSH-FIT ASSEMBLY (500G TUB) | | | | | | |
|  | — | 500g Tub | — | C | 199037 | 32.39 |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▲ | | | BELOW GROUND ▼ | | |
|---|--------------|--------------|-------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| PLASTIC MOULDED PLUG TO BLANK OFF BOSS PIPES (SUPPLIED TO MERCHANTS IN BAGS OF 10) | | | | | | | | | |
|  | EF093 | | | | | | | | |
| | 50 | 10 | — | C | 192255 | 41.04 | — | — | — |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

ENSIGN DRAINAGE SOLUTIONS

YOU WILL START SEEING OUR ENSIGN AGILIUM STACKS IN YOUR PRE-ASSEMBLY STILLAGES. DON'T WORRY THEY'RE 100% COMPATIBLE WITH OUR ENSIGN SOIL RANGE.

PRE-ASSEMBLY STACK SOLUTIONS

THE SERVICE OFFERS SO MUCH MORE THAN JUST PRE-ASSEMBLY.

This service requires close collaboration between the complete supply chain. We will manage the process from product selection, bespoke stack design, manufacture, distribution with our partners and on site assistance. The results will provide a reduction of time on-site with the added assurance of the consistent product assembly and a reduction of on-site scrap parts and packaging.



ON-SITE BENEFITS

- > Reduces on-site installation time by up to 60%
 - > Reducing on-site labour costs
- > All stacks are air tested at the factory as standard, before dispatch
- > Stacks supplied in purpose-made stillages
 - > For robust storage
 - > For easy movements on site
- > Minimal on-site wastage
 - > No surplus products ordered
 - > Reduced pipe cutting
 - > Packaging will be reduced so this removes packaging scrap from your site
- > Cast iron flexibility
 - > Connecting pipe between floors cut on-site to allow for on-site variances
- > Designed for one-person handling

MATERIAL BENEFITS

- > Cast iron pre-assembled stack solutions are fire rated to the safest level possible, A1.
- > Acoustically cast iron is the quietest material on the market
 - > May not need additional insulation
- > Flexible couplings with high speed assembly
 - > The stainless steel rapid coupling is nearly 3 times quicker than fusion welded joints in HDPE – (Luckins pricing guide)
- > No concern about expansion when temperatures fluctuate
 - > Cast iron pre-assemblies will remain straight and not bow

DESIGN BENEFITS

- > Early collaboration ensures optimised stack designs offering the best solutions
- > Drawings provided for approval
- > Greater level of accuracy



We will work with you at the start of the project to identify the most effective use of products.



Your stacks will be designed from our current offer of Pre-Assembly stacks or we will design a bespoke stack for your project.



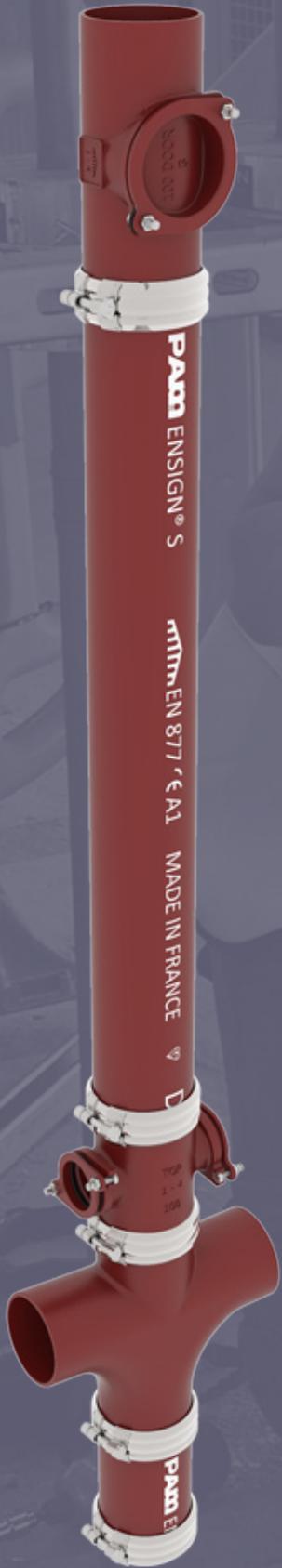
Once the drawings have been signed and we have your order, your stacks will be Pre-Assembled within 2 weeks.



Delivery can be planned to the hour



Installation will be 60% faster on-site



THE SERVICE



STAGE 1

EARLY COLLABORATION

Our team will engage with you at the early stages of the project to evaluate the possibilities and benefits of using a pre-assembly solution. Through early collaboration the team can identify any unique requirements and design a solution to meet your needs.



STAGE 2

ESTIMATION

From the designs the technical team can calculate an accurate initial estimation.

STAGE 3

STACK DESIGNS APPROVAL

PAM Building will provide detailed CAD drawings and 3D models of the stack arrangements for site approval. The stacks are fully compliant with BS EN 12056-2:2000 ensuring all soil stack branches are swept radius in accordance with the guidelines.

STAGE 4

SIMPLIFIED ORDERING THROUGH THE MERCHANT

Our pre-assembly stacks are set up with a standard product code and are ordered in the same way as standard individual Ensign components, through the merchant distributor.



STAGE 5 ASSEMBLY AND AIR TEST

The ordered stack arrangements are then assembled within 2 weeks in a purpose made stillage at the PAM Building manufacturing site in Telford. When each stack is fully assembled it is air pressure tested as standard to 0.5 bar for 5 minutes exceeding the requirements of BS EN 12056-2:2000, saving considerable on-site labour time. The stacks are then labelled with the relevant location reference and floor level in accordance with the drawings.



STAGE 6 LOGISTICS

The unique stillages are designed to restrict movement of the stack assemblies during transportation to the project site. The stillage design also allows for easy off-load via fork lift or hoist and have wheels fitted to facilitate movement around the site.



STAGE 7 FLEXIBILITY ON-SITE

Our pre-assembly soil stacks are based on a standard 1.75m length. The stacks are designed to be suitable as a one-person lift and average around 20 kg, falling well within the health and safety guidelines. To fully connect each floor a soil pipe is cut on site, which allows flexibility for any site variances.



STAGE 8 INSTALLATION SUPPORT

The PAM Building team will liaise with stakeholders throughout the project providing guidance and support to ensure a smooth installation.



PRE-ASSEMBLY

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|-------------------|-----------|-----------|----------------|---------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |



| 100MM PIPE STACK WITH ACCESS PIPE | | | | |
|-----------------------------------|---------|--------|--------|--|
| SA002 | | | | |
| 100 | 15.9 | 270478 | 285.93 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to 1,500mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 2 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|-------------------|-----------|-----------|----------------|---------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |



| 100MM PIPE STACK WITH ACCESS PIPE AND HIGH LEVEL BOSS PIPE | | | | |
|--|---------|--------|--------|--|
| SA005 | | | | |
| 100 | 17.7 | 270329 | 408.53 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Pipe Cut to 425mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 4 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Single Boss Pipe | EF090 | 1 | | |

| 100MM PIPE STACK WITH ACCESS PIPE AND LOW LEVEL BOSS PIPE | | | | |
|---|--|--|--|--|
|---|--|--|--|--|



| 100MM PIPE STACK WITH ACCESS PIPE AND LOW LEVEL BOSS PIPE | | | | |
|---|---------|--------|--------|--|
| SA003 | | | | |
| 100 | 17.2 | 271076 | 386.96 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to 1,350mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 3 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Single Boss Pipe | EF090 | 1 | | |

| 100MM PIPE STACK WITH ACCESS PIPE AND LOW LEVEL DOUBLE OPPOSED BOSS PIPE | | | | |
|--|--|--|--|--|
|--|--|--|--|--|



| 100MM PIPE STACK WITH ACCESS PIPE AND LOW LEVEL DOUBLE OPPOSED BOSS PIPE | | | | |
|--|---------|--------|--------|--|
| SA006 | | | | |
| 100 | 17.8 | 271078 | 409.16 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 3 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double Opposed Boss Pipe | EF091 | 1 | | |

| 100MM PIPE STACK WITH ACCESS PIPE AND HIGH AND LOW LEVEL SINGLE BOSS PIPE | | | | |
|---|--|--|--|--|
|---|--|--|--|--|



| 100MM PIPE STACK WITH ACCESS PIPE AND HIGH AND LOW LEVEL SINGLE BOSS PIPE | | | | |
|---|---------|--------|--------|--|
| SA004 | | | | |
| 100 | 19.1 | 271077 | 517.49 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Pipe Cut to 270mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Single Boss Pipe | EF090 | 2 | | |

| 100MM PIPE STACK WITH ACCESS PIPE AND HIGH LEVEL DOUBLE OPPOSED BOSS PIPE | | | | |
|---|--|--|--|--|
|---|--|--|--|--|



| 100MM PIPE STACK WITH ACCESS PIPE AND HIGH LEVEL DOUBLE OPPOSED BOSS PIPE | | | | |
|---|---------|--------|--------|--|
| SA007 | | | | |
| 100 | 18.3 | 271079 | 438.24 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Pipe Cut to 425mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 4 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double Opposed Boss Pipe | EF091 | 1 | | |

All products marked with a * can be made to different lengths and configurations, so these are guide prices. Please give us a call to get a price and spec to meet your projects needs!

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|--|-----------|-----------|----------------|---------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS PIPE AND HIGH AND LOW LEVEL DOUBLE OPPOSED BOSS PIPE | | | | |



| SA008 | | | | |
|-------|------|--------|---------------|--|
| 100 | 21.5 | 271080 | 561.87 | |

Stack Assembly Contains:

| | | | | |
|--------------------------------|---------|---|--|--|
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Pipe Cut to 270mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double Opposed Boss Pipe | EF091 | 2 | | |

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|---|-----------|-----------|----------------|---------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS PIPE, SINGLE RADIUS BRANCH AND LOW LEVEL SINGLE BOSS PIPE | | | | |



| SA011 | | | | |
|-------|------|--------|---------------|--|
| 100 | 18.8 | 271083 | 474.09 | |

Stack Assembly Contains:

| | | | | |
|---------------------------------|---------|---|--|--|
| 100mm Pipe Cut to 1,055mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 4 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Single Boss Pipe | EF090 | 1 | | |
| 100 x 100mm Radius Branch x 88° | EF06R | 1 | | |

| | | | | |
|--|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS PIPE, HIGH LEVEL SINGLE BOSS PIPE, SINGLE RADIUS BRANCH AND LOW LEVEL SINGLE BOSS PIPE | | | | |
|--|--|--|--|--|



| SA009 | | | | |
|-------|------|--------|---------------|--|
| 100 | 20.2 | 271081 | 576.69 | |

Stack Assembly Contains:

| | | | | |
|---------------------------------|---------|---|--|--|
| 100mm Pipe Cut to 925mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Single Boss Pipe | EF090 | 2 | | |
| 100 x 100mm Radius Branch x 88° | EF06R | 1 | | |

| | | | | |
|---|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS PIPE AND SINGLE RADIUS BRANCH | | | | |
|---|--|--|--|--|



| SA012 | | | | |
|-------|------|--------|---------------|--|
| 100 | 18.0 | 270330 | 401.55 | |

Stack Assembly Contains:

| | | | | |
|---------------------------------|---------|---|--|--|
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Pipe Cut to 155mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 4 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100 x 100mm Radius Branch x 88° | EF06R | 1 | | |

| | | | | |
|--|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS PIPE, HIGH LEVEL SINGLE BOSS PIPE AND SINGLE RADIUS BRANCH | | | | |
|--|--|--|--|--|



| SA010 | | | | |
|-------|------|--------|---------------|--|
| 100 | 19.3 | 271082 | 503.92 | |

Stack Assembly Contains:

| | | | | |
|---------------------------------|---------|---|--|--|
| 100mm Pipe Cut to 925mm* | EP000 | 1 | | |
| 100mm Pipe Cut to 155mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Single Boss Pipe | EF090 | 1 | | |
| 100 x 100mm Radius Branch x 88° | EF06R | 1 | | |

| | | | | |
|---|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE OPPOSED BOSS PIPE, DOUBLE RADIUS BRANCH AND LOW LEVEL DOUBLE OPPOSED BOSS PIPE | | | | |
|---|--|--|--|--|



| SA013 | | | | |
|-------|------|--------|---------------|--|
| 100 | 22.3 | 271084 | 639.99 | |

Stack Assembly Contains:

| | | | | |
|--|---------|---|--|--|
| 100mm Pipe Cut to 925mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double Opposed Boss Pipe | EF091 | 2 | | |
| 100 x 100 x 100mm Double Radius Branch x 88° | EF010R | 1 | | |

We now have another 20 designs, so contact the technical team if we don't have the design you need.

▲Delivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|---|--------------|--------------|-----------------|------------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL SINGLE BOSS PIPE, DOUBLE RADIUS BRANCH AND LOW LEVEL DOUBLE OPPOSED BOSS PIPE | | | | |



| SA014 | | | | |
|--|---------|--------|---------------|--|
| 100 | 21.7 | 271085 | 617.80 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to 925mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Single Boss Pipe | EF090 | 1 | | |
| 100mm Double Opposed Boss Pipe | EF091 | 1 | | |
| 100 x 100 x 100mm Double Radius Branch x 88° | EF010R | 1 | | |

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|--|--------------|--------------|-----------------|------------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL BOSS PIPE, DOUBLE RADIUS BRANCH AND LOW LEVEL SINGLE BOSS PIPE | | | | |



| SA017 | | | | |
|--|---------|--------|---------------|--|
| 100 | 22.3 | 271088 | 595.60 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to 925mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Single Boss Pipe | EF090 | 2 | | |
| 100 x 100 x 100mm Double Radius Branch x 88° | EF010R | 1 | | |

| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE OPPOSED BOSS PIPE, DOUBLE RADIUS BRANCH AND LOW LEVEL SINGLE BOSS PIPE | | | | |
|---|--|--|--|--|
|---|--|--|--|--|



| SA015 | | | | |
|--|---------|--------|---------------|--|
| 100 | 21.7 | 271086 | 617.80 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to 925mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Single Boss Pipe | EF090 | 1 | | |
| 100mm Double Opposed Boss Pipe | EF091 | 1 | | |
| 100 x 100 x 100mm Double Radius Branch x 88° | EF010R | 1 | | |

| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE 90° BOSS PIPE, DOUBLE CORNER RADIUS BRANCH AND LOW LEVEL DOUBLE 90° BOSS PIPE | | | | |
|--|--|--|--|--|
|--|--|--|--|--|



| SA018 | | | | |
|---|---------|--------|---------------|--|
| 100 | 22.9 | 271089 | 708.98 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to 925mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double 90° Boss Pipe | EF092 | 2 | | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | | |

| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE OPPOSED BOSS PIPE AND DOUBLE RADIUS BRANCH | | | | |
|---|--|--|--|--|
|---|--|--|--|--|



| SA016 | | | | |
|--|---------|--------|---------------|--|
| 100 | 20.8 | 271087 | 545.03 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to 925mm* | EP000 | 1 | | |
| 100mm Pipe Cut to 155mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double Opposed Boss Pipe | EF091 | 1 | | |
| 100 x 100 x 100mm Double Radius Branch x 88° | EF010R | 1 | | |

| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE CORNER 90° BOSS PIPE AND DOUBLE CORNER RADIUS BRANCH | | | | |
|---|--|--|--|--|
|---|--|--|--|--|



| SA019 | | | | |
|---|---------|--------|---------------|--|
| 100 | 21.2 | 271090 | 545.03 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to 925mm* | EP000 | 1 | | |
| 100mm Pipe Cut to 155mm* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double 90° Boss Pipe | EF092 | 1 | | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | | |

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|---|--------------|--------------|-----------------|------------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS, DOUBLE CORNER RADIUS BRANCH AND LOW LEVEL DOUBLE 90° BOSS PIPE | | | | |

SA020



| | | | |
|---|---------|--------|---------------|
| 100 | 21.2 | 271091 | 498.71 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | |
| 100mm Rapid NG S/S Coupling | EC002NG | 4 | |
| 100mm Round Access Pipe | EF014 | 1 | |
| 100mm Double 90° Boss Pipe | EF092 | 1 | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | |

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|--|--------------|--------------|-----------------|------------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL SINGLE BOSS PIPE, DOUBLE CORNER RADIUS BRANCH AND LOW LEVEL SINGLE BOSS PIPE | | | | |

SA023



| | | | |
|---|---------|--------|---------------|
| 100 | 21.3 | 271094 | 664.60 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to 925mm* | EP000 | 1 | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | |
| 100mm Round Access Pipe | EF014 | 1 | |
| 100mm Single Boss Pipe | EF090 | 2 | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | |

| | | | | |
|--|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE 90° BOSS PIPE, DOUBLE CORNER RADIUS BRANCH AND LOW LEVEL DOUBLE OPPOSED BOSS PIPE | | | | |
|--|--|--|--|--|

SA021



| | | | |
|---|---------|--------|---------------|
| 100 | 22.7 | 271092 | 708.98 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to 925mm* | EP000 | 1 | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | |
| 100mm Round Access Pipe | EF014 | 1 | |
| 100mm Double 90° Boss Pipe | EF092 | 1 | |
| 100mm Double Opposed Boss Pipe | EF091 | 1 | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | |

| | | | | |
|---|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS AND DOUBLE CORNER RADIUS BRANCH | | | | |
|---|--|--|--|--|

SA024



| | | | |
|---|---------|--------|---------------|
| 100 | 19.1 | 271095 | 477.17 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | |
| 100mm Pipe Cut to 155mm* | EP000 | 1 | |
| 100mm Rapid NG S/S Coupling | EC002NG | 4 | |
| 100mm Round Access Pipe | EF014 | 1 | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | |

| | | | | |
|--|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE OPPOSED BOSS PIPE, DOUBLE CORNER RADIUS BRANCH AND LOW LEVEL DOUBLE 90° BOSS PIPE | | | | |
|--|--|--|--|--|

SA022



| | | | |
|---|---------|--------|---------------|
| 100 | 22.7 | 271093 | 708.98 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to 925mm* | EP000 | 1 | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | |
| 100mm Round Access Pipe | EF014 | 1 | |
| 100mm Double 90° Boss Pipe | EF092 | 1 | |
| 100mm Double Opposed Boss Pipe | EF091 | 1 | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | |

| | | | | |
|--|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS AND DOUBLE RADIUS BRANCH | | | | |
|--|--|--|--|--|

SA025



| | | | |
|--|---------|--------|---------------|
| 100 | 18.9 | 271096 | 408.18 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | |
| 100mm Pipe Cut to 155mm* | EP000 | 1 | |
| 100mm Rapid NG S/S Coupling | EC002NG | 4 | |
| 100mm Round Access Pipe | EF014 | 1 | |
| 100 x 100 x 100mm Double Radius Branch x 88° | EF010R | 1 | |

▲Delivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|--|--------------|--------------|-----------------|------------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS, DOUBLE RADIUS BRANCH AND MULTI-WASTE MANIFOLD | | | | |



| SA026 | | | | |
|--|---------|--------|--------|--|
| 100 | 26.3 | 271097 | 703.40 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 4 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100 x 100 x 100mm Double Radius Branch x 88° | EF010R | 1 | | |
| 100mm Multi-Waste Manifold Connector | EF095 | 1 | | |

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|--|--------------|--------------|-----------------|------------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE 90° BOSS PIPE, DOUBLE CORNER RADIUS BRANCH AND MULTI-WASTE MANIFOLD | | | | |



| SA029 | | | | |
|---|---------|--------|--------|--|
| 100 | 29.4 | 271101 | 894.51 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double 90° Boss Pipe | EF092 | 1 | | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | | |
| 100mm Multi-Waste Manifold Connector | EF095 | 1 | | |

| | | | | |
|---|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS, DOUBLE RADIUS CORNER BRANCH AND MULTI-WASTE MANIFOLD | | | | |
|---|--|--|--|--|



| SA027 | | | | |
|---|---------|--------|--------|--|
| 100 | 26.5 | 271099 | 772.38 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 4 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | | |
| 100mm Multi-Waste Manifold Connector | EF095 | 1 | | |

| | | | | |
|---|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE 90° BOSS PIPE, DOUBLE CORNER RADIUS BRANCH AND MULTI-WASTE CORNER MANIFOLD | | | | |
|---|--|--|--|--|



| SA030 | | | | |
|---|---------|--------|--------|--|
| 100 | 27.5 | 271102 | 871.77 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double 90° Boss Pipe | EF092 | 1 | | |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | EF035R | 1 | | |
| 100mm Multi-Waste Corner Manifold Connector | EF099 | 1 | | |

| | | | | |
|---|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE OPPOSED BOSS PIPE, DOUBLE RADIUS BRANCH AND MULTI-WASTE MANIFOLD | | | | |
|---|--|--|--|--|



| SA028 | | | | |
|--|---------|--------|--------|--|
| 100 | 29.0 | 271100 | 825.51 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double Opposed Boss Pipe | EF091 | 1 | | |
| 100 x 100 x 100mm Double Radius Branch x 88° | EF010R | 1 | | |
| 100mm Multi-Waste Manifold Connector | EF095 | 1 | | |

| | | | | |
|--|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL DOUBLE OPPOSED BOSS PIPE, DOUBLE RADIUS BRANCH AND MULTI-WASTE CORNER MANIFOLD | | | | |
|--|--|--|--|--|



| SA031 | | | | |
|--|---------|--------|--------|--|
| 100 | 27.1 | 271103 | 802.79 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | EP000 | 1 | | |
| 100mm Rapid NG S/S Coupling | EC002NG | 5 | | |
| 100mm Round Access Pipe | EF014 | 1 | | |
| 100mm Double Opposed Boss Pipe | EF091 | 1 | | |
| 100 x 100 x 100mm Double Radius Branch x 88° | EF010R | 1 | | |
| 100mm Multi-Waste Corner Manifold Connector | EF099 | 1 | | |

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|---|-----------|-----------|----------------|---------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS, DOUBLE RADIUS BRANCH AND MULTI-WASTE CORNER MANIFOLD | | | | |



| SA032 | | | |
|--|-----------|--------------|---------------|
| SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100 | 25.1 | 271104 | 680.66 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to Suit* | | EP000 | 1 |
| 100mm Rapid NG S/S Coupling | | EC002NG | 4 |
| 100mm Round Access Pipe | | EF014 | 1 |
| 100 x 100 x 100mm Double Radius Branch x 88° | | EF010R | 1 |
| 100mm Multi-Waste Corner Manifold Connector | | EF099 | 1 |

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|--|-----------|-----------|----------------|---------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS, HIGH LEVEL SINGLE BOSS PIPE, SINGLE RADIUS BRANCH AND MULTI-WASTE CORNER MANIFOLD | | | | |



| SA035 | | | |
|---|-----------|--------------|---------------|
| SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100 | 22.5 | 271107 | 770.70 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to Suit* | | EP000 | 1 |
| 100mm Rapid NG S/S Coupling | | EC002NG | 5 |
| 100mm Round Access Pipe | | EF014 | 1 |
| 100mm Single Boss Pipe | | EF090 | 1 |
| 100 x 100mm Radius Branch x 88° | | EF06R | 1 |
| 100mm Multi-Waste Corner Manifold Connector | | EF099 | 1 |

| | | | | |
|--|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS, DOUBLE CORNER RADIUS BRANCH AND MULTI-WASTE CORNER MANIFOLD | | | | |
|--|--|--|--|--|



| SA033 | | | |
|---|-----------|--------------|---------------|
| SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100 | 25.3 | 271105 | 749.66 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to Suit* | | EP000 | 1 |
| 100mm Rapid NG S/S Coupling | | EC002NG | 4 |
| 100mm Round Access Pipe | | EF014 | 1 |
| 100 x 100 x 100mm Double Corner Radius Branch x 88° | | EF035R | 1 |
| 100mm Multi-Waste Corner Manifold Connector | | EF099 | 1 |

| | | | | |
|---|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS AND MULTI-WASTE CORNER MANIFOLD | | | | |
|---|--|--|--|--|



| SA036 | | | |
|---|-----------|--------------|---------------|
| SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100 | 20.2 | 270328 | 574.43 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to Suit* | | EP000 | 1 |
| 100mm Rapid NG S/S Coupling | | EC002NG | 3 |
| 100mm Round Access Pipe | | EF014 | 1 |
| 100mm Multi-Waste Corner Manifold Connector | | EF099 | 1 |

| | | | | |
|---|--|--|--|--|
| 100MM PIPE STACK WITH ACCESS, SINGLE RADIUS BRANCH AND MULTI-WASTE CORNER MANIFOLD | | | | |
|---|--|--|--|--|



| SA034 | | | |
|---|-----------|--------------|---------------|
| SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100 | 24.2 | 271106 | 661.75 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to Suit* | | EP000 | 1 |
| 100mm Rapid NG S/S Coupling | | EC002NG | 4 |
| 100mm Round Access Pipe | | EF014 | 1 |
| 100 x 100mm Radius Branch x 88° | | EF06R | 1 |
| 100mm Multi-Waste Corner Manifold Connector | | EF099 | 1 |

| | | | | |
|--|--|--|--|--|
| 100MM PIPE STACK WITH HIGH LEVEL SINGLE BRANCH X 50MM | | | | |
|--|--|--|--|--|



| SA037 | | | |
|--------------------------------|-----------|--------------|---------------|
| SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100 | 16.2 | 271108 | 294.89 |
| Stack Assembly Contains: | | | |
| 100mm Pipe Cut to Suit* | | EP000 | 1 |
| 100mm Pipe Cut to 450mm* | | EP000 | 1 |
| 100mm Rapid NG S/S Coupling | | EC002NG | 3 |
| 100 x 50mm Single Branch x 45° | | EF006 | 1 |

▲Delivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

PRE-ASSEMBLY

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|---|--------------|--------------|-----------------|------------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS PIPE AND HIGH LEVEL SINGLE BRANCH X 50MM | | | | |



| | | SA038 | | |
|--------------------------------|------|---------|--------|--|
| 100 | 17.8 | 271109 | 400.95 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | | EP000 | 1 | |
| 100mm Pipe Cut to 185mm* | | EP000 | 1 | |
| 100mm Rapid NG S/S Coupling | | EC002NG | 4 | |
| 100mm Round Access Pipe | | EF014 | 1 | |
| 100 x 50mm Single Branch x 45° | | EF006 | 1 | |

| STACK DESCRIPTION | STACK | | ABOVE GROUND ▲ | |
|--|--------------|--------------|-----------------|------------------|
| | SIZE Ø mm | WEIGHT KG | PRODUCT CODE | STACK PRICE £ |
| 100MM PIPE STACK WITH ACCESS PIPE AND HIGH LEVEL SINGLE BRANCH X 100MM | | | | |



| | | SA040 | | |
|---------------------------------|------|---------|--------|--|
| 100 | 18.4 | 271112 | 396.39 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | | EP000 | 1 | |
| 100mm Pipe Cut to 185mm* | | EP000 | 1 | |
| 100mm Rapid NG S/S Coupling | | EC002NG | 4 | |
| 100mm Round Access Pipe | | EF014 | 1 | |
| 100 x 100mm Single Branch x 45° | | EF006 | 1 | |

* price based on length for this design, but our Technical Team can price up any length to suit your project.

| | | | | |
|--|--|--|--|--|
| 100MM PIPE STACK WITH HIGH LEVEL SINGLE BRANCH X 100MM | | | | |
|--|--|--|--|--|



| | | SA039 | | |
|---------------------------------|------|---------|--------|--|
| 100 | 17.0 | 271111 | 290.33 | |
| Stack Assembly Contains: | | | | |
| 100mm Pipe Cut to Suit* | | EP000 | 1 | |
| 100mm Pipe Cut to 450mm* | | EP000 | 1 | |
| 100mm Rapid NG S/S Coupling | | EC002NG | 3 | |
| 100 x 100mm Single Branch x 45° | | EF006 | 1 | |



NEW

We can now offer 150mm Pre-Assembly stacks!



▲Delivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

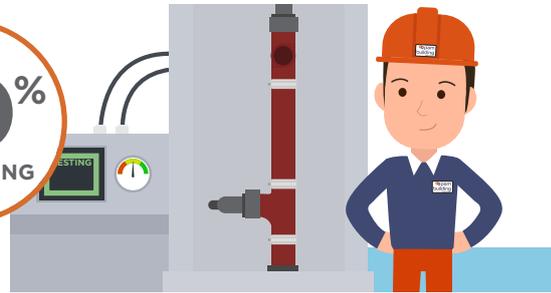
NEW

PRE-ASSEMBLED STACK SOLUTIONS

1. SAVING

Modern methods of manufacturing are now offering massive savings and with our Pre-Assembly Solution we have seen up to a **60%** saving!

60%
TIME SAVING



2. FACTORY CONTROLS

The stacks are designed, made bespoke to your needs, assembled, air-tested and inspected in our factory in Telford. The stacks will be assembled within 2 weeks from order.

3. PLANNED DELIVERIES

With our distribution partners we can plan delivery of your stacks to suit your build programme.



4. SITE EFFICIENCY

When installing them on site you will become more efficient than traditional methods.



5. SITE SAFETY AND SPACE

Less space and time will be required on site, which will not only help with social distancing, but will also reduce the need for cutting and storing products on-site.



6. IMPROVED RESULTS

- ✓ Reduced time on site
- ✓ Improved quality
- ✓ Reduced environmental impact

Click or Scan the QR code above with your phone to see the full video on YouTube!



Please contact your regional technical sales manager for details



BIM READY

www.pambuilding.co.uk aims to ease the burden on developers, specifiers and contractors in the early stages of construction by providing two levels of BIM library and supporting elements.

The new releases include a full-data object library, a platform that provides supporting information and free individual BIM files of all products and systems.

These include a BS EN 877:1999+A1:2006 'Generic Cast Iron' content package for use in early design stages, with fittings parametrically modelled, and in standard geometric settings. The files contain only the most vital information, reducing the time and effort required to create early stage plans. These 'data-light' designs can also be overwritten with the full data specification libraries without issue, speeding up later stages of development that require more detailed plans streamlining conversion from design to as built work flow.

Our BIM Libraries are designed to aid the data transition between Public Health consultant's and Main Contract MEP design engineers, creating a leaner process that reduces design time. As the transitions usually require more explicit data being added to models, PAM Building are also currently creating plugins to quickly add the full data, either automatically by system type, or through floor level and manual area selection.

By providing small file sizes in the generic content, it will make it easier for early stage specification in BIM and will speed up the whole planning process; this in turn will create measurable cost and time savings for our customers.

AVAILABLE CONTENT



BS EN 877:1999 +A1:2006 CAST IRON GENERIC BIM LIBRARY



BS 437:2008 CAST IRON GENERIC BIM LIBRARY



ENSIGN SOIL & EEZI-FIT BIM LIBRARY
BS EN 877:1999 +A1:2006



ENSIGN DRAIN BIM LIBRARY
BS EN 877:1999 +A1:2006



TIMESAVER DRAIN BIM LIBRARY
BS 437:2008

BIM SERVICES

We have been developing BIM level 2 libraries in Revit for our ranges of soil and drain products.

Call our Technical team for further help: 01952 262529



CLICK OR SCAN THE QR CODE TO SEE HOW EFFECTIVE IT IS TO DESIGN IN REVIT WITH OUR PRE-ASSEMBLY LIBRARY



-  **NEW REGISTRATION REQUIRED TO KEEP UP TO DATE WITH NEW CONTENT/REVISED**
-  **FULL PARAMETRIC PIPE SYSTEMS GENERIC AND FULL DATA**
-  **ACCESS TO DESIGN AID PLUGINS**
-  **ACCESS TO GUIDANCE VIDEOS AND 'HOW TO?' FAQs**
-  **CONVERTER PLUGIN - NOW AVAILABLE!**

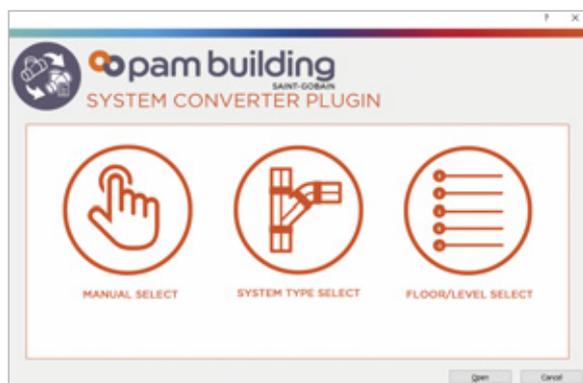


CLICK OR SCAN THE QR CODE TO SEE HOW FAST AND EASY IT IS TO DESIGN WITH OUR BIM LIBRARY



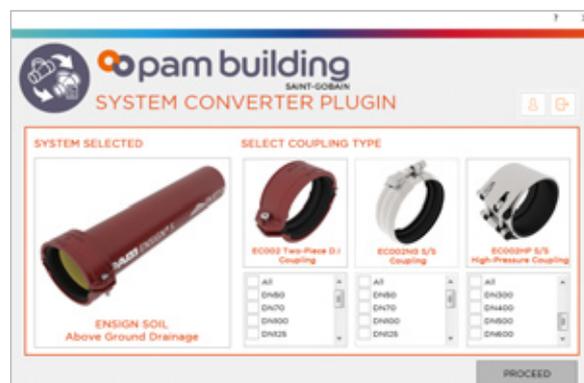
BS EN 877:1999+A1:2006 CAST IRON GENERIC LIBRARY

- > Generic cast iron content
 - > Full range of Cast Iron fittings
 - > All families have 'real geometry'
 - > Generic coupling with 'fixing zone' visibility
 - > All fittings have constrained couplings which can be turned on/off
- > > No 'Manufacturer' data
- > All files are lightweight 500KB max.



PAM BUILDING'S CAST IRON ENSIGN SOIL LIBRARY

- > Ensign soil full data content
 - > The PAM Building Conversion Plugin will overwrite the generic content to the Ensign content
- > > Minor modifications to project design stages
- > Time saving design for main contract BIM Engineers.



For more information call our Technical team: 01952 262529 

TIMESAVER DRAIN

CAST IRON
DRAINAGE
SOLUTIONS



THE TIMESAVER DRAIN CAST IRON BELOW GROUND SYSTEM HAS BEEN THE FIRST CHOICE FOR UNDER-BUILDING DRAINAGE FOR COMMERCIAL, PUBLIC AND RESIDENTIAL BUILDINGS SINCE 1980.

PRODUCT STANDARD: BS 437:2008

Timesaver is kitemark approved



APPLICATIONS

- > Underbuilding drainage—encased in concrete
- > Pipework to be laid in shallow trenches
- > Under roads
- > Unstable ground
- > Ground containing methane
- > Bridges

FEATURES

- > 100, 150 and 225mm diameter pipes and fittings
- > Two piece ductile iron couplings
- > Section thickness from 8-15mm
- > Range of traditional British Standard fittings
 - > Bellmouth Gullies/inlets
 - > Gully traps
 - > Raising pieces
 - > Anti-flooding traps

BENEFITS

- > Exceptional crush resistance—vastly superior to other materials
 - > Timesaver BS 437:2008 150 KN/m
 - > Clay 40 KN/m
 - > Plastic 6 KN/m
- > Robust strength
 - > To withstand over-vigorous rodding/jetting
 - > Can be installed where the ground is unstable
 - > Can be installed in shallow trenches
- > Less bedding materials required saving cost
 - > Can be laid in ‘as dug’ trenches
- > Fit and forget peace of mind
 - > BS 437:2008 connectivity with existing cast iron drainage systems.
 - > Exceptional service life

ENCASING PIPEWORK IN THE CONCRETE SLAB

- > Cast iron has the proven strength and crush resistance to withstand the weight of the concrete and remain robust during the pouring process unlike the more volatile lighter-weight plastic materials which can require filling to weigh them down.
- > Cast iron is not affected by the high temperatures generated during the pouring and curing process—which can reach temperatures in excess of 70°, depending on the volume of concrete.
- > Cost of failure can be very high if concrete slabs require digging up to repair drainage failures.

ALL BENEFITS OF CAST IRON

- > Non-combustible fire rated A1
- > Excellent acoustic properties
- > Minimal expansion
- > Strong and robust
- > Excellent environmental properties:
 - > Made from up to 99% recycled content
 - > 100% recyclable
 - > Long life span

TIMESAVER DRAIN & SOIL

COATING

3m Pipes:

- > Internally lined with an ochre two-part epoxy coating
- > Externally coated in a black acrylic paint.

Fittings and couplings

- > Internally and externally coated in a black water-based paint.

OVERPAINTING

- > The Timesaver coating shall accept over-coating with alkyd and water based paints normally used on metallic structures.

PIPE

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ^DSC. | BELOW GROUND ▼ | |
|--|--------------|--------------|-------------------------|-------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| 3M DOUBLE SPIGOT PIPE | | | | | | |
|  RAL 9005 | 100 | 26 | 56.1 | A | 156568 | 280.11 |
| | 150 | 11 | 95.1 | A | 156832 | 518.50 |
| | 225 | 4 | 195.0 | A | 157042 | 1,552.11 |

COUPLINGS

| STANDARD COUPLING (EPDM GASKET) | | | | | | |
|---|-----|---|-----|---|--------|--------|
| TD01 | | | | | | |
|  | 100 | 8 | 2.8 | A | 191294 | 59.80 |
| | 150 | 6 | 3.9 | A | 191295 | 72.45 |
| | 225 | 1 | 8.4 | A | 191296 | 166.03 |

| STEPPED COUPLING (EPDM GASKET) | | | | | | |
|---|-----|---|-----|---|--------|-------|
| TD02 | | | | | | |
|  | 100 | 8 | 2.8 | A | 191297 | 62.05 |
| | 150 | 6 | 3.9 | A | 191298 | 75.52 |

BRACKET

| HANGING BRACKET OR WALL FIXING—CAST IRON | | | | | | |
|---|--|---|-----|---|--------|--------|
| TD640 | | | | | | |
|  | 100 | 1 | 2.3 | B | 191358 | 50.09 |
| | 150 | 1 | 2.8 | B | 191359 | 52.92 |
| | MILD STEEL HANGING BRACKET OR WALL FIXING M12 | | | | | |
| | 225 | 1 | 4.0 | B | 192374 | 150.97 |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | BELOW GROUND ▼ | | |
|---|--------------|--------------|-------------------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| MEDIUM RADIUS BENDS | | | | | | |
| TD06 | | | | | | |
| 87.5° MEDIUM RADIUS BENDS | | | | | | |
|  | 100 | 1 | 8.1 | A | 191219 | 111.92 |
| | 150 | 1 | 16.0 | A | 191225 | 257.50 |
| | 225 | 1 | 41.5 | B | 191229 | 781.22 |
| 80° MEDIUM RADIUS BEND | | | | | | |
|  | 100 | 1 | 8.7 | C | 191218 | 119.53 |
| 67.5° MEDIUM RADIUS BENDS | | | | | | |
|  | 100 | 1 | 7.5 | C | 191217 | 119.53 |
| | 150 | 1 | 13.8 | C | 191224 | 257.50 |
| 60° MEDIUM RADIUS BEND | | | | | | |
|  | 100 | 1 | 6.0 | B | 191216 | 111.92 |
| 45° MEDIUM RADIUS BENDS | | | | | | |
|  | 100 | 1 | 5.8 | A | 191215 | 95.10 |
| | 150 | 1 | 10.1 | B | 191223 | 206.06 |
| | 225 | 1 | 31.8 | B | 191228 | 781.22 |
| 35° MEDIUM RADIUS BENDS | | | | | | |
|  | 100 | 1 | 4.6 | A | 191214 | 95.10 |
| | 150 | 1 | 9.3 | B | 191222 | 257.50 |
| 22.5° MEDIUM RADIUS BENDS | | | | | | |
|  | 100 | 1 | 3.6 | A | 191213 | 95.10 |
| | 150 | 1 | 7.2 | B | 191221 | 192.94 |
| | 225 | 1 | 18.4 | B | 191227 | 781.22 |
| 10° MEDIUM RADIUS BENDS | | | | | | |
|  | 100 | 1 | 3.0 | A | 191212 | 95.10 |
| | 150 | 1 | 5.2 | B | 191220 | 192.94 |
| | 225 | 1 | 13.0 | C | 191226 | 781.22 |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|--|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| MEDIUM RADIUS BEND WITH REAR ACCESS | | | | | | |



TD08

87.5° MEDIUM RADIUS BEND WITH REAR ACCESS

| | | | | | |
|-----|---|------|---|--------|----------|
| 100 | 1 | 11.4 | C | 191233 | 245.63 |
| 150 | 1 | 20.3 | C | 191235 | 545.96 |
| 225 | 1 | 57.8 | C | 191237 | 1,196.85 |



45° MEDIUM RADIUS BEND WITH REAR ACCESS

| | | | | | |
|-----|---|------|---|--------|----------|
| 100 | 1 | 8.7 | C | 191232 | 240.94 |
| 150 | 1 | 15.9 | C | 191234 | 588.46 |
| 225 | 1 | 46.8 | C | 191236 | 1,196.85 |

MEDIUM RADIUS BEND WITH SIDE ACCESS



TD09

87.5° MEDIUM RADIUS BEND SIDE ACCESS

| | | | | | |
|-----|---|------|---|--------|----------|
| 100 | 1 | 12.4 | C | 191239 | 310.94 |
| 150 | 1 | 20.5 | C | 191241 | 545.96 |
| 225 | 1 | 57.5 | C | 191243 | 1,167.71 |



45° MEDIUM RADIUS BEND SIDE ACCESS

| | | | | | |
|-----|---|------|---|--------|----------|
| 100 | 1 | 10.0 | C | 191238 | 293.94 |
| 150 | 1 | 26.6 | C | 191240 | 713.46 |
| 225 | 1 | 46.8 | C | 191242 | 1,167.71 |

ACCESS PIPES



TD56

| | | | | | |
|-----|---|------|---|--------|----------|
| 100 | 1 | 9.7 | B | 191344 | 276.47 |
| 150 | 1 | 15.4 | C | 191345 | 504.84 |
| 225 | 1 | 62.6 | C | 191346 | 1,226.32 |

ACCESS DOOR SPARES KIT



Kits contain a door, 4 bolts and a gasket

| | | | | | |
|-----|---|---|---|--------|--------|
| 100 | 1 | – | C | 259478 | 44.28 |
| 150 | 1 | – | C | 248137 | 202.63 |
| 225 | 1 | – | C | 259354 | 505.11 |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

87.5 MEDIUM RADIUS BEND WITH HEEL REST



| TD07 | | | | | | |
|------|---|------|---|--------|--------|--|
| 100 | 1 | 9.2 | A | 191230 | 128.37 | |
| 150 | 1 | 18.0 | B | 191231 | 357.27 | |

87.5° LONG RADIUS BEND



| TD15 | | | | | | |
|------|---|------|---|--------|--------|--|
| 100 | 1 | 12.9 | B | 191244 | 184.92 | |
| 150 | 1 | 24.1 | C | 191245 | 369.95 | |

87.5° LONG RADIUS BEND WITH HEEL REST



| TD22 | | | | | | |
|------|---|------|---|--------|--------|--|
| 100 | 1 | 15.1 | B | 191246 | 198.82 | |
| 150 | 1 | 28.0 | C | 191247 | 435.91 | |

87.5° LONG TAIL BEND (815MM)



| TD102 | | | | | | |
|-----------|---|------|---|--------|--------|--|
| 100 x 815 | 1 | 18.6 | C | 191289 | 283.63 | |

87.5° LONG TAIL BEND (850MM) LARGE RADIUS



| TD104 | | | | | | |
|------------|---|------|---|--------|----------|--|
| *100 x 850 | 1 | 33.0 | C | 197173 | 694.21 | |
| *150 x 850 | 1 | 54.0 | C | 192699 | 1,119.29 | |

45° CLEARING ARM BEND



| TD425 | | | | | | |
|-------|---|------|---|--------|--------|--|
| 100 | 1 | 11.9 | C | 191292 | 216.62 | |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | BELOW GROUND ▼ | | |
|------------------------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
| PLAIN SINGLE BRANCHES | | | | | | |



| TD37 | | | | | | |
|----------------------|---|------|---|--------|----------|--|
| 87.5° PLAIN BRANCHES | | | | | | |
| 100 x 100 | 1 | 7.6 | A | 191250 | 148.45 | |
| 150 x 100 | 1 | 17.7 | B | 191252 | 320.59 | |
| 150 x 150 | 1 | 21.8 | C | 191254 | 366.34 | |
| 225 x 100 | 1 | 40.0 | C | 191256 | 948.88 | |
| 225 x 150 | 1 | 46.3 | C | 191258 | 1,012.02 | |
| 225 x 225 | 1 | 58.5 | C | 191260 | 1,124.90 | |



| 67.5° PLAIN BRANCH | | | | | | |
|--------------------|---|-----|---|--------|--------|--|
| 100 x 100 | 1 | 8.9 | C | 191249 | 156.28 | |



| 45° PLAIN BRANCHES | | | | | | |
|--------------------|---|------|---|--------|----------|--|
| 100 x 100 | 1 | 11.4 | A | 191248 | 148.45 | |
| 150 x 100 | 1 | 16.6 | B | 191251 | 335.60 | |
| 150 x 150 | 1 | 25.3 | B | 191253 | 366.34 | |
| 225 x 100 | 1 | 42.0 | C | 191255 | 948.88 | |
| 225 x 150 | 1 | 45.8 | C | 191257 | 1,012.02 | |
| 225 x 225 | 1 | 64.4 | C | 191259 | 1,124.90 | |

SINGLE BRANCHES WITH ACCESS DOOR—RIGHT HAND



| TD51 | | | | | | |
|--|---|------|---|--------|----------|--|
| 87.5° BRANCH WITH ACCESS DOOR—RIGHT HAND | | | | | | |
| 100 x 100 | 1 | 14.2 | C | 191262 | 342.45 | |
| 150 x 100 | 1 | 21.4 | C | 191264 | 632.21 | |
| 225 x 150 | 1 | 67.3 | C | 191267 | 1,475.84 | |
| 225 x 225 | 1 | 79.5 | C | 191269 | 1,568.95 | |



| 45° BRANCH WITH ACCESS DOOR—RIGHT HAND | | | | | | |
|--|---|------|---|--------|----------|--|
| 100 x 100 | 1 | 15.0 | C | 191261 | 342.45 | |
| 150 x 100 | 1 | 21.9 | C | 191263 | 606.17 | |
| 225 x 100 | 1 | 62.8 | C | 191265 | 1,430.39 | |
| 225 x 150 | 1 | 66.8 | C | 191266 | 1,475.84 | |
| 225 x 225 | 1 | 85.4 | C | 191268 | 1,568.95 | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

SINGLE BRANCHES WITH REAR ACCESS



| TD52 | | | | | | |
|-------------------------------|---|------|---|--------|----------|--|
| 87.5° BRANCH WITH REAR ACCESS | | | | | | |
| 100 x 100 | 1 | 13.4 | C | 191271 | 342.45 | |
| 150 x 100 | 1 | 22.9 | C | 191273 | 632.21 | |
| 225 x 100 | 1 | 62.8 | C | 191275 | 1,430.39 | |
| 225 x 150 | 1 | 62.4 | C | 191276 | 1,475.84 | |
| 225 x 225 | 1 | 79.5 | C | 191278 | 1,568.95 | |



| TD52 | | | | | | |
|-----------------------------|---|-------|---|--------|----------|--|
| 45° BRANCH WITH REAR ACCESS | | | | | | |
| 100 x 100 | 1 | 16.1 | C | 191270 | 358.95 | |
| 150 x 100 | 1 | 22.9 | C | 191272 | 606.17 | |
| 225 x 100 | 1 | 63.0 | C | 191274 | 1,430.39 | |
| 225 x 225 | 1 | 84.40 | C | 191277 | 1,568.95 | |

SINGLE BRANCHES WITH ACCESS DOOR—LEFT HAND



| TD53 | | | | | | |
|---|---|------|---|--------|----------|--|
| 87.5° BRANCHES WITH ACCESS DOOR—LEFT HAND | | | | | | |
| 100 x 100 | 1 | 11.7 | C | 191280 | 358.95 | |
| 150 x 100 | 1 | 21.2 | C | 191282 | 632.21 | |
| 225 x 100 | 1 | 61.0 | C | 191284 | 1,430.39 | |
| 225 x 150 | 1 | 67.3 | C | 191286 | 1,475.84 | |
| 225 x 225 | 1 | 79.5 | C | 191288 | 1,568.95 | |



| TD53 | | | | | | |
|---|---|------|---|--------|----------|--|
| 45° BRANCHES WITH ACCESS DOOR—LEFT HAND | | | | | | |
| 100 x 100 | 1 | 15.0 | C | 191279 | 358.95 | |
| 150 x 100 | 1 | 21.2 | C | 191281 | 606.17 | |
| 225 x 100 | 1 | 62.8 | C | 191283 | 1,430.39 | |
| 225 x 150 | 1 | 66.8 | C | 191285 | 1,475.84 | |
| 225 x 225 | 1 | 85.4 | C | 191287 | 1,568.95 | |

DOUBLE PLAIN BRANCH 87.5°



| TD447 | | | | | | |
|-----------|---|------|---|--------|--------|--|
| 100 x 100 | 1 | 10.6 | C | 191293 | 252.42 | |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

TIMESAVER DRAIN

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

TAPER PIPE



| TD41 | | | | | | |
|------------|---|------|---|--------|--------|--|
| 150 x 100 | 1 | 3.5 | B | 191333 | 145.84 | |
| 225 x 100 | 1 | 13.6 | B | 191334 | 373.99 | |
| 225 x 150 | 1 | 13.4 | B | 191335 | 373.99 | |
| *225 x 200 | 1 | 6.2 | C | 191336 | 333.26 | |
| *225 x 250 | 1 | 9.8 | C | 192431 | 347.08 | |

*Connects with a 200 and 250mm Ensign coupling (ED001)

SOCKET FERRULE WITH C.I. CAP



| TD36 | | | | | | |
|------|---|-----|---|--------|--------|--|
| 100 | 1 | 3.4 | C | 191330 | 188.80 | |

BLANK END—PLAIN (FOR BSP BLANK END CONNECTION USE GT71 AND STEPPED COUPLING TD02)



| TD34 | | | | | | |
|------|---|------|---|--------|--------|--|
| 100 | 1 | 1.3 | A | 191326 | 48.11 | |
| 150 | 1 | 2.5 | B | 191327 | 91.79 | |
| 225 | 1 | 10.7 | B | 191328 | 422.67 | |

TRANSITIONAL PIPE ADAPTOR FROM TIMESAVER DRAIN TO SUPERSLEVE



| TD118 | | | | | | |
|-------|---|-----|---|--------|--------|--|
| 100 | 1 | 2.1 | B | 191350 | 77.24 | |
| 150 | 1 | 5.0 | B | 191351 | 135.27 | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|---|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| GULLY TRAP—PLAIN | | | | | | |
|  | TD60 | | | | | |
| 87.5° GULLY TRAP—PLAIN | | | | | | |
| | 100 | 1 | 12.1 | B | 191399 | 148.45 |
| | 150 | 1 | 24.4 | C | 191400 | 369.39 |
|  | TD60 | | | | | |
| 45° GULLY TRAP—PLAIN | | | | | | |
| | 100 | 1 | 11.5 | C | 191398 | 394.80 |
|  | TD60 | | | | | |
| 180° GULLY TRAP—PLAIN | | | | | | |
| | 100 | 1 | 14.1 | C | 191397 | 202.84 |
| 87.5° GULLY TRAP WITH SURFACE ACCESS | | | | | | |
|  | TD107 | | | | | |
| | 100 | 1 | 23.3 | C | 191402 | 429.26 |
| 87.5° GULLY TRAP WITH 225MM INLET | | | | | | |
|  | TD64 | | | | | |
| | 100 | 1 | 24.0 | C | 191401 | 362.30 |
| HORIZONTAL RUNNING TRAP WITH DOUBLE ACCESS | | | | | | |
|  | TD475 | | | | | |
| | 100 | 1 | 23.0 | C | 191404 | 739.95 |
| | 150 | 1 | 55.4 | C | 191405 | 1,261.81 |
| | 225 | 1 | 143.0 | C | 191406 | 3,622.68 |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|---|-------------------------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| GULLY INLET—PLAIN (BODY ONLY) | | | | | | |
|  | | | | | | TD500 |
| | 100 | 1 | 8.4 | B | 191301 | 154.61 |
| GULLY INLET WITH HORIZONTAL BRANCH (BODY ONLY) | | | | | | |
|  | | | | | | TD105 |
| | 100 x 100 | 1 | 10.5 | C | 191299 | 207.74 |
| GULLY INLET WITH VERTICAL BRANCH (BODY ONLY) | | | | | | |
|  | | | | | | TD106 |
| | 100 x 100 | 1 | 13.7 | C | 191300 | 207.74 |
| PLAIN RAISING PIECE 190MM TO BELLMOUTH TD500/TD105/TD106 | | | | | | |
|  | | | | | | TD525 |
| | 100 x 150 high | 1 | 7.8 | C | 191303 | 425.93 |
| | 100 x 300 high Max Load 2T | 1 | 13.4 | C | 191305 | 425.93 |
| PLAIN GRATE | | | | | | |
|  | | | | | | TD612 |
| | 200 | 1 | 1.6 | B | 191385 | 18.95 |
| Max Load 2T | | | | | | |
| SOLID COVER | | | | | | |
|  | | | | | | TD613 |
| | 200 | 1 | 2.1 | C | 191386 | 83.50 |
| Max Load 2T | | | | | | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ^A DSC. | BELOW GROUND ▼ PRODUCT CODE | UNIT PRICE £ |
|-------------|--------------|--------------|-------------------------|-------------------|-----------------------------------|-----------------|
|-------------|--------------|--------------|-------------------------|-------------------|-----------------------------------|-----------------|

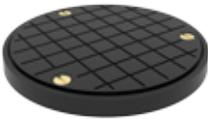
HINGED AND LOCKING GRATE



| | | | | | | TD614 |
|--|-----|---|-----|---|--------|--------|
| | 200 | 1 | 1.9 | C | 191387 | 299.78 |

Max Load 2T

SEALED PLATE AND FRAME



| | | | | | | TD615 |
|--|-----|---|-----|---|--------|--------|
| | 200 | 1 | 2.8 | B | 191388 | 152.41 |

Max Load 2T

GREASED SEALED COVER AND FRAME



| | | | | | | TD616 |
|--|-----|---|-----|---|--------|--------|
| | 200 | 1 | 1.7 | C | 191389 | 167.72 |

Max Load 2T

RAISING PIECE—PLAIN 225MM Ø



| | | | | | | TD678 |
|--|----------|---|------|---|--------|--------|
| | 75 high | 1 | 9.5 | C | 191363 | 228.34 |
| | 115 high | 1 | 11.6 | C | 191365 | 260.11 |
| | 150 high | 1 | 13.5 | C | 191364 | 303.03 |
| | 225 high | 1 | 17.0 | C | 191366 | 322.19 |
| | 300 high | 1 | 21.5 | C | 191367 | 336.21 |

RAISING PIECE WITH 100MM Ø INLET



| | | | | | | TD108 |
|--|----------|---|------|---|--------|--------|
| | 225 high | 1 | 19.1 | C | 191347 | 308.44 |

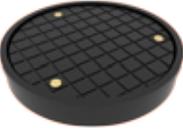
RAISING PIECE WITH 3 X 100MM Ø 90° INLETS



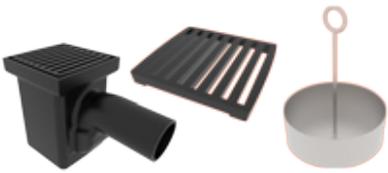
| | | | | | | TD111 |
|--|----------|---|------|---|--------|--------|
| | 225 high | 1 | 23.1 | C | 191348 | 819.93 |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|---|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| GULLY INLET—TAPERED PLAIN | | | | | | |
|  | | | | | TD684 | |
| | 100 | 1 | 12.9 | B | 191368 | 218.82 |
| | 150 | 1 | 16.0 | C | 191369 | 246.85 |
| GULLY INLET—TAPERED WITH 100MM Ø INLET | | | | | | |
|  | | | | | TD120 | |
| | 100 x 100 | 1 | 14.2 | C | 191352 | 284.80 |
| GULLY INLET—TAPERED WITH 3 X 100MM Ø 90° INLETS | | | | | | |
|  | | | | | TD123 | |
| | 100 x 100 | 1 | 20.3 | C | 191353 | 473.34 |
| TRAPLESS GULLY WITH 87.5° OUTLET | | | | | | |
|  | | | | | TD467 | |
| | 100 | 1 | 17.7 | C | 191403 | 365.25 |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|---|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| LIGHT GRATE | | | | | | |
|  | 265 | 1 | 3.6 | B | TD650 191390 | 42.50 |
| Max Load 2T | | | | | | |
| HEAVY GRATE | | | | | | |
|  | 265 | 1 | 8.0 | B | TD651 191391 | 72.45 |
| Max Load 7.5T | | | | | | |
| HINGED AND LOCKING GRATE | | | | | | |
|  | 265 | 1 | 5.3 | C | TD653 191360 | 423.33 |
| Max Load 2T | | | | | | |
| SEALED PLATE AND FRAME | | | | | | |
|  | 265 | 1 | 5.2 | C | TD661 191361 | 140.87 |
| Max Load 7.5T | | | | | | |
| GREASE SEALED COVER AND FRAME | | | | | | |
|  | 265 | 1 | 6.5 | C | TD662 191362 | 392.26 |
| Max Load 2T | | | | | | |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ^DSC. | BELOW GROUND ▼ | | | | |
|---|--------------------------------|--------------|-------------------------|-------|-----------------|-----------------|---|--------|---------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ | | | |
| DEANS TRAP—600MM DEEP WITH 87.5° OUTLET | | | | | | | | | |
|  | | | | | | TD550 | | | |
| | 100 | 1 | 55.4 | C | 191407 | 735.38 | | | |
| GALVANISED SEDIMENT PAN | | | | | | | | | |
| | | | | | 1 | 1.9 | C | 191181 | 268.18 |
| Can be used with grating options TD650 to TD653 and TD661/2 Grate not included | | | | | | | | | |
| GULLY TRAP—435MM DEEP WITH 87.5° OUTLET | | | | | | | | | |
|  | | | | | | TD551 | | | |
| | 100 | 1 | 30.8 | B | 191408 | 613.88 | | | |
| GALVANISED SEDIMENT PAN | | | | | | | | | |
| | | | | | 1 | 2.0 | C | 191182 | 247.97 |
| Can be used with grating options TD650 to TD653 and TD661/2 Grate not included | | | | | | | | | |
| SQUARE TOP GULLY TRAP—255 X 250 X 415MM DEEP WITH 87.5° OUTLET | | | | | | | | | |
|  | | | | | | TD553 | | | |
| | 100 | 1 | 26.8 | C | 191381 | 506.25 | | | |
| | GALVANISED SEDIMENT PAN | | | | | | | | |
| | | | | | 1 | 1.0 | C | 191183 | 104.40 |
| GRATE TO SUIT | | | | | | | | | |
| | | | | | 1 | 3.2 | C | 191380 | 232.52 |
| GARAGE GULLY—300 X 545MM DEEP WITH 87.5° OUTLET | | | | | | | | | |
|  | | | | | | TD554 | | | |
| | 100 | 1 | 80.7 | C | 191410 | 1,560.90 | | | |
| GALVANISED SEDIMENT PAN | | | | | | | | | |
| | | | | | 1 | 3.0 | C | 191184 | 342.80 |
| GRATE TO SUIT | | | | | | | | | |
| | | | | | 1 | 23.0 | B | 191382 | 194.53 |
| This product is available with 1, 2 or 3 Fresh Air Inlets — P.O.A. | | | | | | | | | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

RAISING PIECE FOR TD554



| TD559 | | | | | | |
|----------------------|---|------|---|--------|--------|--|
| 305mm Ø x 75mm high | 1 | 12.7 | C | 191354 | 313.19 | |
| 305mm Ø x 150mm high | 1 | 20.4 | C | 191356 | 361.30 | |
| 305mm Ø x 300mm high | 1 | 37.0 | C | 191355 | 612.81 | |

TRAPLESS GULLY TRAP—300 X 615MM DEEP WITH 87.5° OUTLET



| TD556 | | | | | | |
|-------|---|------|---|--------|--------|--|
| 100 | 1 | 45.4 | C | 191409 | 570.70 | |

GALVANISED SEDIMENT PAN

| | | | | | |
|---|---|-----|---|--------|--------|
| — | 1 | 1.9 | C | 191181 | 268.18 |
|---|---|-----|---|--------|--------|

GARAGE GULLY TRAP—405 X 610MM DEEP WITH 87.5° OUTLET



| TD558 | | | | | | |
|-------|---|------|---|--------|----------|--|
| 100 | 1 | 74.6 | C | 191418 | 1,738.53 | |

GALVANISED SEDIMENT PAN

| | | | | | |
|---|---|-----|---|--------|--------|
| — | 1 | 3.9 | C | 191185 | 291.82 |
|---|---|-----|---|--------|--------|



GRATE TO SUIT

| | | | | | |
|---|---|------|---|--------|--------|
| — | 1 | 23.1 | C | 191383 | 264.39 |
|---|---|------|---|--------|--------|

AIRTIGHT INSPECTION EYE COVER

B125 Load Rating



| TD724 | | | | | | |
|-------|---|------|---|--------|--------|--|
| 100 | 1 | 11.1 | C | 191394 | 298.09 | |
| 150 | 1 | 14.0 | C | 191395 | 337.75 | |

ANTI-FLOODING VALVE

Used with TD550 & TD551



| TD756 | | | | | | |
|-------|---|------|---|--------|----------|--|
| 225 | 1 | 22.6 | C | 191421 | 1,172.01 | |

LOOSE PUDDLE FLANGE



| TD777 | | | | | | |
|-------|---|-----|---|--------|--------|--|
| 100 | 1 | 3.7 | B | 191371 | 127.71 | |
| 150 | 1 | 5.6 | C | 191372 | 137.17 | |
| 225 | 1 | 8.1 | C | 191373 | 384.38 | |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ^DSC. | BELOW GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|-------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

INSPECTION CHAMBER WITH ONE BRANCH EACH SIDE



| TD14 | | | | | | |
|------------|---|-------|---|--------|----------|--|
| 100 x 100 | 1 | 19.6 | B | 191306 | 523.22 | |
| 150 x 100 | 1 | 24.7 | B | 191307 | 677.89 | |
| 150 x 150 | 1 | 42.8 | C | 191308 | 860.24 | |
| †225 x 100 | 1 | 100.0 | C | 191309 | 2,539.81 | |
| †225 x 150 | 1 | 110.0 | C | 191310 | 2,748.46 | |
| †225 x 225 | 1 | 174.0 | C | 191311 | 3,388.58 | |

INSPECTION CHAMBERS WITH TWO BRANCHES EACH SIDE



| TD17 | | | | | | |
|------------|---|-------|---|--------|----------|--|
| 100 x 100 | 1 | 40.3 | B | 191312 | 1,030.01 | |
| 150 x 100 | 1 | 55.9 | C | 191313 | 1,376.78 | |
| 150 x 150 | 1 | 87.2 | C | 191314 | 1,717.74 | |
| †225 x 100 | 1 | 210.0 | C | 191315 | 3,786.88 | |
| †225 x 150 | 1 | 210.8 | C | 191316 | 3,853.56 | |
| †225 x 225 | 1 | 240.0 | C | 191317 | 5,204.96 | |

'EUREKA' ANTI-FLOOD TRUNK VALVE (DOUBLE SPIGOT)



| TD750 | | | | | | |
|-------|---|------|---|--------|----------|--|
| 150 | 1 | 44.0 | C | 191420 | 4,797.44 | |

Non Return Valve

'EUREKA' ANTI-FLOODING TRUNK VALVE (SOCKET AND SPIGOT)



| TD750 | | | | | | |
|-------|---|-------|---|--------|-----------|--|
| 100 | 1 | 42.2 | C | 191593 | 4,262.89 | |
| †225 | 1 | 244.1 | C | 191594 | 12,132.03 | |
| †300 | 1 | 414.3 | C | 191870 | 22,213.44 | |

The PAM Building range of traditional drain anti-flooding traps and valves are progressively being updated. This involves the removal of the traditional socket and the spigot bead, which will simplify installation, enabling connections to be made with standard ductile iron mechanical couplings.

'EUREKA' ANTI-FLOODING TRUNK VALVE



| TD752 | | | | | | |
|-------|---|-------|---|--------|-----------|--|
| †100 | 1 | 76.9 | C | 191595 | 5,667.01 | |
| †150 | 1 | 126.1 | C | 191596 | 7,071.15 | |
| †225 | 1 | 381.4 | C | 191597 | 14,970.59 | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

INTERCEPTING TRAPS FITTED WITH PLUG – TRADITIONAL BS 437 FITTINGS



| TD477 | | | | | | |
|-------|-----|---|------|---|--------|----------|
| | 100 | 1 | 32.7 | C | 191602 | 1,227.79 |
| | 150 | 1 | 57.2 | C | 191603 | 1,888.21 |

INTERCEPTING TRAP FITTED WITH PLUG



| TD479 | | | | | | |
|-------|-----|---|------|---|--------|----------|
| | 100 | 1 | 35.7 | C | 191605 | 1,626.95 |

INTERCEPTING TRAPS



| TD481 | | | | | | |
|-------|-----|---|-------|-----|--------|-----------|
| | 100 | 1 | 34.1 | C | 191607 | 1,380.57 |
| | 150 | 1 | 57.1 | C | 191610 | 1,986.26 |
| | 225 | 1 | 152.0 | MTO | 287094 | 7,875.00 |
| | 300 | 1 | 259.0 | MTO | | 10,687.50 |

FRESH AIR INLET LEFT HAND (L/H) & RIGHT HAND (R/H)

| | | | | | | |
|--|---------|---|-------|-----|--------|-----------|
| | 100 L/H | 1 | 100.0 | C | 191608 | 1,093.87 |
| | 100 R/H | 1 | 100.0 | C | 191609 | 1,465.15 |
| | 150 L/H | 1 | 110.0 | C | 191611 | 2,172.59 |
| | 150 R/H | 1 | 110.0 | C | 191612 | 2,172.59 |
| | 225 L/H | 1 | 152.0 | MTO | 287101 | 8,625.00 |
| | 225 R/H | 1 | 152.0 | MTO | 287146 | 8,625.00 |
| | 300 L/H | 1 | 259.0 | MTO | | 11,062.50 |
| | 300 R/H | 1 | 259.0 | MTO | | 11,062.50 |

Contact our technical team for more information.

ACCESSORIES

CAULKING COMPOUND

| | | | | | | |
|--|---|---|----|---|--------|--------|
| | - | 1 | 12 | C | 222754 | 480.52 |
|--|---|---|----|---|--------|--------|

HARDENER

| | | | | | | |
|--|---|---|------|---|--------|--------|
| | - | 1 | 1.45 | C | 222753 | 155.15 |
|--|---|---|------|---|--------|--------|

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

TIMESAVER SOIL

CAST IRON DRAINAGE SOLUTIONS

THE TIMESAVER SOIL SYSTEM WAS THE FIRST MECHANICALLY JOINTED CAST IRON SYSTEM LAUNCHED IN 1973, FOR USE ON ABOVE-GROUND SOIL AND WASTE, VENT AND RAINWATER INSTALLATIONS SERVING COMMERCIAL, PUBLIC AND RESIDENTIAL BUILDINGS FOR OVER 49 YEARS.

PRODUCT STANDARD:

BS 416-2:1990 mechanically jointed systems

Timesaver is kitemark approved

APPLICATIONS

REFURBISHMENT

- > Prestigious commercial buildings built in the late 1970's to the late 90's which are serviced by cast iron soil stacks, will most likely be Timesaver or traditional socket and spigot soil systems. If the building is to be refurbished or changes are to be made retaining some of the existing pipework—then Timesaver is the best suited to connect to the original pipework.
- > Heritage external soil stacks—traditional appearance sanitary soil pipework installed on the outside of the building.
- > Commercial, public and residential buildings
 - > Sanitary soil, vent and waste pipes
 - > Internal rainwater systems

FEATURES

- > 50, 75, 100 and 150mm diameter pipes and fittings
- > 1.8m (6ft) double spigot pipes in 75 and 100mm
- > Two piece ductile iron mechanical couplings
- > Traditional 'Heritage' push-fit sockets
 - > 50, 75 and 100mm (150mm see Ensign)
- > Comprehensive fittings range
 - > Swept branches in compliance with BS EN 12056-2:2000
 - > Access bends and branches
 - > Waste connection fittings

BENEFITS

- > Push-fit Heritage style couplings
 - > To give a traditional appearance without the labour intensive caulking of socket and spigot pipework
 - > The most inclusive range 50-100mm
- > Pipes available in 1.8m (6ft) in 75 and 100mm diameters to support this field of application
- > Complete range of pipes and fittings to support refurbishment of existing Timesaver stacks in commercial buildings
- > All benefits of cast iron
 - > A1 Fire rated non-combustible system
 - > Excellent acoustic properties
 - > Minimal expansion
 - > Strong and robust
 - > Excellent environmental properties:
 - > Made from up to 99% recycled content
 - > 100% recyclable
 - > Long life span

TIMESAVER DRAIN & SOIL

COATING

3m Pipes:

- > Internally lined with an ochre two-part epoxy coating
- > Externally coated in a black acrylic paint.

Fittings and couplings

- > Internally and externally coated in a black water-based paint

OVERPAINTING

- > The Timesaver coating shall accept over-coating with alkyd and water based paints normally used on metallic structures

PIPE

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ^DSC. | ABOVE GROUND ▼ | |
|---|--------------|--------------|-------------------------|-------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| 3M DOUBLE SPIGOT PIPE | | | | | | |
|  | GT00 | | | | | |
| | 50 | 53 | 19.5 | A | 156366 | 156.00 |
| | 75 | 50 | 25.0 | A | 156456 | 174.30 |
| | 100 | 38 | 28.0 | A | 156567 | 210.92 |
| | 150 | 26 | 43.0 | A | 156831 | 440.42 |

COUPLINGS

| STANDARD COUPLING (EPDM GASKET) | | | | | | |
|---|-------------|----|-----|---|--------|-------|
|  | GT01 | | | | | |
| | 50 | 32 | 0.9 | A | 191691 | 26.92 |
| | 75 | 24 | 1.1 | A | 191692 | 29.74 |
| | 100 | 15 | 1.4 | A | 191693 | 38.82 |
| | 150 | 8 | 3.1 | A | 191694 | 77.49 |

| CONVERSION COUPLING (EPDM GASKET) | | | | | | |
|---|-------------|---|-----|---|--------|-------|
|  | GT12 | | | | | |
| | 65 x 75 | 1 | 1.3 | A | 191695 | 31.48 |
| | *70 x 75 | 1 | 1.2 | A | 191429 | 31.48 |
| | 90 x 100 | 1 | 1.5 | A | 191696 | 40.57 |

* Connects to 70mm Ensigns

| WALL FIXING BRACKET (CAN BE FITTED WITH ACOUSTIC DAMPENERS TO ORDER) | | | | | | |
|---|-------------|----|-----|---|--------|-------|
|  | GT48 | | | | | |
| | 50 | 48 | 0.3 | A | 191720 | 18.03 |
| | 75 | 30 | 0.5 | A | 191721 | 19.75 |
| | 100 | 30 | 0.6 | A | 191722 | 20.24 |
| | 150 | 16 | 0.8 | A | 191723 | 37.48 |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | ABOVE GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

SHORT RADIUS PLAIN BENDS

GT02



87.5° SHORT RADIUS PLAIN BENDS

| | | | | | |
|-----|---|-----|---|--------|--------|
| 50 | 1 | 1.3 | A | 191620 | 47.42 |
| 75 | 1 | 2.6 | A | 191622 | 53.64 |
| 100 | 1 | 4.7 | A | 191631 | 65.67 |
| 150 | 1 | 4.4 | C | 191634 | 117.24 |



67.5° SHORT RADIUS PLAIN BEND

| | | | | | |
|-----|---|-----|---|--------|-------|
| 100 | 1 | 2.2 | C | 191625 | 65.67 |
|-----|---|-----|---|--------|-------|



45° SHORT RADIUS PLAIN BENDS

| | | | | | |
|-----|---|-----|---|--------|--------|
| 50 | 1 | 0.5 | A | 191619 | 47.42 |
| 75 | 1 | 2.4 | A | 191621 | 53.64 |
| 100 | 1 | 3.3 | A | 191626 | 65.67 |
| 150 | 1 | 3.1 | B | 191632 | 117.24 |



11° SHORT RADIUS PLAIN BEND

| | | | | | |
|-----|---|-----|---|--------|-------|
| 100 | 1 | 1.3 | C | 191628 | 56.59 |
|-----|---|-----|---|--------|-------|

SHORT RADIUS BENDS WITH REAR ACCESS

GT03



87.5° SHORT RADIUS BENDS WITH REAR ACCESS

| | | | | | |
|-----|---|-----|---|--------|--------|
| 50 | 1 | 1.9 | B | 191636 | 116.90 |
| 75 | 1 | 3.6 | B | 191638 | 128.82 |
| 100 | 1 | 4.3 | B | 191642 | 138.86 |
| 150 | 1 | 6.1 | C | 191644 | 197.22 |



45° SHORT RADIUS BENDS WITH REAR ACCESS

| | | | | | |
|-----|---|-----|---|--------|--------|
| 75 | 1 | 3.9 | C | 191637 | 126.82 |
| 100 | 1 | 4.6 | C | 191640 | 138.86 |
| 150 | 1 | 8.1 | C | 191643 | 197.22 |

87.5° SHORT RADIUS BEND WITH SIDE ACCESS

GT04



| | | | | | |
|-----|---|-----|---|--------|--------|
| 100 | 1 | 4.8 | C | 191646 | 138.86 |
|-----|---|-----|---|--------|--------|

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | BELOW GROUND ▼ | | |
|-------------|--------------|--------------|-------------------------|----------------|-----------------|-----------------|
| | | | | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |

LONG RADIUS BENDS

GT02L



87.5° LONG RADIUS BENDS

| | | | | | |
|-----|---|-----|---|--------|--------|
| 75 | 1 | 4.6 | C | 191623 | 107.62 |
| 100 | 1 | 4.7 | B | 191630 | 106.29 |
| 150 | 1 | 8.5 | C | 191635 | 231.80 |



45° LONG RADIUS BEND

| | | | | | |
|-----|---|-----|---|--------|--------|
| 100 | 1 | 6.0 | C | 191627 | 113.52 |
|-----|---|-----|---|--------|--------|



22.5° LONG RADIUS BENDS

| | | | | | |
|-----|---|-----|---|--------|--------|
| 100 | 1 | 1.9 | C | 191624 | 106.29 |
| 150 | 1 | 5.6 | C | 191633 | 255.78 |



5° LONG RADIUS BEND

| | | | | | |
|-----|---|-----|---|--------|-------|
| 100 | 1 | 1.4 | C | 191629 | 65.67 |
|-----|---|-----|---|--------|-------|

87.5° LONG RADIUS BENDS WITH REAR ACCESS

GT03L



87.5° LONG RADIUS BENDS WITH REAR ACCESS

| | | | | | |
|-----|---|------|---|--------|--------|
| 75 | 1 | 5.9 | C | 191639 | 159.02 |
| 100 | 1 | 5.8 | C | 191641 | 179.61 |
| 150 | 1 | 10.7 | C | 191645 | 316.40 |

87.5° LONG RADIUS BEND WITH SIDE ACCESS

GT04L



| | | | | | |
|-----|---|-----|---|--------|--------|
| 100 | 1 | 7.5 | C | 191647 | 179.61 |
|-----|---|-----|---|--------|--------|

87.5° LONG TAIL BEND 250MM LONG

GT43



| | | | | | |
|-----|---|-----|---|--------|-------|
| 100 | 1 | 4.3 | C | 191688 | 84.82 |
|-----|---|-----|---|--------|-------|

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | BELOW GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

87.5° LONG TAIL BEND 815MM LONG



| GT55 | | | | | | |
|------|-----|---|------|---|--------|--------|
| | 100 | 1 | 15.1 | C | 191689 | 290.76 |

87.5° LONG TAIL BRANCH SWEPT RADIUS 915MM LONG



| GT56 | | | | | | |
|------|-----------|---|-----|---|--------|--------|
| | 100 x 100 | 1 | 7.0 | C | 191690 | 281.17 |

SINGLE BRANCHES



87.5° SWEPT RADIUS BRANCHES (EQUAL AND UNEQUAL)

| GT06 | | | | | | |
|------|-----------|---|------|---|--------|--------|
| | 50 x 50 | 1 | 1.0 | B | 191649 | 71.37 |
| | 75 x 50 | 1 | 2.5 | B | 191651 | 80.79 |
| | 75 x 75 | 1 | 3.2 | C | 191653 | 80.79 |
| | 100 x 50 | 1 | 2.4 | B | 191655 | 101.53 |
| | 100 x 75 | 1 | 4.1 | C | 191657 | 101.53 |
| | 100 x 100 | 1 | 3.3 | A | 191660 | 101.53 |
| | 150 x 100 | 1 | 7.6 | C | 191662 | 192.48 |
| | 150 x 150 | 1 | 11.7 | C | 191664 | 251.58 |



67.5° PLAIN BRANCH

| | | | | | | |
|--|-----------|---|-----|---|--------|--------|
| | 100 x 100 | 1 | 2.5 | C | 191658 | 101.53 |
|--|-----------|---|-----|---|--------|--------|



45° BRANCHES (EQUAL AND UNEQUAL)

| | | | | | | |
|--|-----------|---|-----|---|--------|--------|
| | 50 x 50 | 1 | 1.4 | C | 191648 | 71.37 |
| | 75 x 50 | 1 | 3.5 | C | 191650 | 91.41 |
| | 75 x 75 | 1 | 4.4 | C | 191652 | 98.59 |
| | 100 x 50 | 1 | 2.4 | C | 191654 | 101.53 |
| | 100 x 75 | 1 | 4.9 | C | 191656 | 120.72 |
| | 100 x 100 | 1 | 3.7 | B | 191659 | 101.53 |
| | 150 x 100 | 1 | 5.8 | C | 191661 | 282.40 |
| | 150 x 150 | 1 | 8.5 | C | 191663 | 251.58 |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | ABOVE GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

SINGLE BRANCHES WITH REAR ACCESS



GT07

87.5° SINGLE BRANCHES SWEPT RADIUS WITH REAR ACCESS (EQUAL AND UNEQUAL)

| | | | | | |
|-----------|---|------|---|--------|--------|
| 50 x 50 | 1 | 2.7 | C | 191665 | 155.46 |
| 75 x 50 | 1 | 3.0 | C | 191666 | 155.46 |
| 75 x 75 | 1 | 3.6 | C | 191668 | 155.46 |
| 100 x 50 | 1 | 3.2 | C | 191670 | 174.81 |
| 100 x 75 | 1 | 4.8 | C | 191672 | 174.81 |
| 100 x 100 | 1 | 4.1 | B | 191674 | 174.81 |
| 150 x 100 | 1 | 9.0 | C | 191676 | 312.72 |
| 150 x 150 | 1 | 12.0 | C | 191678 | 372.08 |

45° SINGLE BRANCHES WITH REAR ACCESS (EQUAL AND UNEQUAL)

| | | | | | |
|-----------|---|------|---|--------|--------|
| 100 x 100 | 1 | 6.9 | C | 191673 | 174.81 |
| 150 x 100 | 1 | 10.8 | C | 191675 | 338.91 |

87.5° SINGLE BRANCH SWEPT RADIUS WITH SIDE ACCESS—RIGHT HAND



GT08

| | | | | | |
|-----------|---|-----|---|--------|--------|
| 100 x 100 | 1 | 5.7 | C | 191679 | 174.81 |
|-----------|---|-----|---|--------|--------|

87.5° SINGLE BRANCH SWEPT RADIUS WITH SIDE ACCESS—LEFT HAND



GT09

| | | | | | |
|-----------|---|-----|---|--------|--------|
| 100 x 100 | 1 | 5.8 | C | 191680 | 174.81 |
|-----------|---|-----|---|--------|--------|

DOUBLE BRANCHES



GT10

87.5° DOUBLE BRANCHES—SWEPT RADIUS (EQUAL AND UNEQUAL)

| | | | | | |
|-----------|---|------|---|--------|--------|
| 75 x 75 | 1 | 4.9 | C | 191681 | 119.97 |
| 100 x 100 | 1 | 4.3 | C | 191683 | 125.54 |
| 150 x 100 | 1 | 10.7 | C | 191684 | 353.52 |

45° DOUBLE BRANCH

| | | | | | |
|-----------|---|-----|---|--------|--------|
| 100 x 100 | 1 | 4.5 | C | 191682 | 125.54 |
|-----------|---|-----|---|--------|--------|

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | ABOVE GROUND ▼ | |
|---|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| 87.5° DOUBLE BRANCH—SWEPT RADIUS WITH ACCESS | | | | | | |
|  | | | | | | GT11 |
| | 100 x 100 | 1 | 7.0 | C | 191685 | 198.81 |
| 87.5° CORNER SWEPT RADIUS BRANCH | | | | | | |
|  | | | | | | GT35 |
| | 100 x 100 | 1 | 3.4 | C | 191687 | 178.49 |
| 87.5° BRANCH SWEPT RADIUS WITH 1 X 50MM BSP BOSS BACK | | | | | | |
|  | | | | | | GT06 |
| | 100 | 1 | 5.4 | C | 191743 | 135.97 |
| 87.5° BRANCH SWEPT RADIUS WITH 1 X 50MM BSP BOSS RIGHT HAND | | | | | | |
|  | | | | | | GT06 |
| | 100 | 1 | 4.7 | C | 191745 | 135.97 |
| 87.5° BRANCH SWEPT RADIUS WITH 1 X 50MM BSP BOSS LEFT HAND | | | | | | |
|  | | | | | | GT06 |
| | 100 | 1 | 4.7 | C | 191744 | 135.97 |
| PARALLEL BRANCH | | | | | | |
|  | | | | | | GT32 |
| | 100 x 100 | 1 | 7.9 | C | 191686 | 123.86 |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

ACCESS PIPES

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | ABOVE GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

ACCESS PIPES WITH ROUND DOOR



| GT14 | | | | | | |
|------|-----|---|-----|---|--------|--------|
| | 100 | 1 | 3.2 | A | 191698 | 119.97 |
| | 150 | 1 | 6.3 | C | 191699 | 199.56 |

ACCESS PIPES WITH OVAL DOOR



| GT14 | | | | | | |
|------|----|---|-----|---|--------|--------|
| | 75 | 1 | 4.1 | A | 191697 | 114.15 |

ACCESS PIPES WITH RECTANGULAR DOOR



| GT15 | | | | | | |
|------|-----|---|------|---|--------|--------|
| | 100 | 1 | 7.2 | C | 191700 | 236.34 |
| | 150 | 1 | 16.4 | C | 191701 | 361.81 |

OFFSETS

OFFSETS



| Diameter x Projection | GT24 | | | | | |
|-----------------------|------|-----|---|--------|--------|--|
| 75 x 75 | 1 | 2.4 | C | 191702 | 70.03 | |
| 75 x 115 | 1 | 3.4 | C | 191704 | 76.97 | |
| 75 x 150 | 1 | 3.7 | C | 191703 | 90.43 | |
| 100 x 75 | 1 | 2.2 | B | 191705 | 69.08 | |
| 100 x 115 | 1 | 3.6 | C | 191709 | 97.50 | |
| 100 x 150 | 1 | 4.7 | C | 191706 | 97.50 | |
| 100 x 225 | 1 | 5.6 | C | 191707 | 127.92 | |
| 100 x 300 | 1 | 6.8 | C | 191708 | 122.06 | |

TAPER PIPES

TAPER PIPES



| GT28 | | | | | | |
|-----------|---|-----|---|--------|--------|--|
| 75 x 50 | 1 | 0.6 | C | 191710 | 65.25 | |
| 100 x 50 | 1 | 0.9 | C | 191711 | 82.83 | |
| 100 x 75 | 1 | 0.9 | B | 191712 | 82.83 | |
| 150 x 100 | 1 | 2.2 | C | 191713 | 161.22 | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. ^A | ABOVE GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|-------------------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

AIR~WAVE VENT CAP



| | | | | | | |
|--|-----|---|-----|---|-------------|-------|
| | | | | | GT75 | |
| | 100 | 1 | 0.6 | B | 280545 | 15.00 |

BLANK ENDS—PLAIN



| | | | | | | |
|--|-----|---|-----|---|-------------|-------|
| | | | | | GT70 | |
| | 50 | 1 | 0.2 | B | 191724 | 16.49 |
| | 75 | 1 | 0.5 | B | 191725 | 20.58 |
| | 100 | 1 | 0.8 | A | 191726 | 19.95 |
| | 150 | 1 | 1.9 | C | 191727 | 28.82 |

BLANK ENDS WITH 50MM PUSH-FIT CONNECTOR



| | | | | | | |
|--|-----|---|-----|---|-------------|-------|
| | | | | | GT71 | |
| | 75 | 1 | 0.5 | C | 191728 | 40.54 |
| | 100 | 1 | 0.9 | C | 191729 | 43.48 |
| | 150 | 1 | 2.0 | C | 191731 | 52.26 |

BLANK ENDS D/T 2" BSP



| | | | | | | |
|--|-----|---|-----|---|--------------|-------|
| | | | | | GT71T | |
| | 100 | 1 | 0.9 | C | 191730 | 49.22 |

UNIVERSAL CONNECTOR EPDM



| | | | | | | |
|--|----------------|---|-----|---|---------------|-------|
| | | | | | EF07IR | |
| | 50 x 56/48/40 | 1 | 0.1 | B | 155759 | 22.69 |
| | (OD Dimension) | | | | | |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | ABOVE GROUND ▼ ^DSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|--------------|--------------|-------------------------|-------------------------|-----------------|-----------------|
|-------------|--------------|--------------|-------------------------|-------------------------|-----------------|-----------------|

BOSS PIPES WITH SINGLE BOSS



GT106

BOSS PIPES WITH SINGLE BOSS AND 50MM WASTE COMPRESSION JOINTS

| | | | | | |
|-----|---|-----|---|--------|--------|
| 50 | 1 | 1.1 | C | 192236 | 98.20 |
| 100 | 1 | 2.2 | A | 192237 | 117.24 |
| 150 | 1 | 3.8 | C | 192239 | 191.37 |

BOSS PIPES WITH SINGLE BOSS AND D/T 50MM BSP

| | | | | | |
|-----|---|-----|---|--------|--------|
| 75 | 1 | 1.7 | A | 191739 | 98.20 |
| 100 | 1 | 1.7 | B | 192238 | 120.93 |

BOSS PIPES WITH 2 X 50MM BOSSES OPPOSED AND 50MM WASTE COMPRESSION JOINT



GT109

| | | | | | |
|-----|---|-----|---|--------|--------|
| 100 | 2 | 2.5 | C | 192240 | 151.65 |
| 150 | 2 | 4.5 | C | 192360 | 216.65 |

BOSS PIPES WITH 2 X 50MM BOSSES AT 90° AND 50MM WASTE COMPRESSION JOINT



GT115

| | | | | | |
|-----|---|-----|---|--------|--------|
| 100 | 2 | 2.8 | C | 192241 | 151.65 |
|-----|---|-----|---|--------|--------|

STRAP ON BOSS



GT133

| | | | | | |
|-----|---|-----|---|--------|-------|
| 100 | 1 | 1.2 | A | 192323 | 96.29 |
|-----|---|-----|---|--------|-------|

HOLE SAW ARBOUR WITH DRILL (ACCESSORY TOOLS FOR USE WITH GT133)

| | | | | | |
|---|---|-----|---|--------|-------|
| — | 1 | 0.2 | C | 192327 | 67.89 |
|---|---|-----|---|--------|-------|

64MM HOLE SAW FOR CAST IRON (ACCESSORY TOOLS FOR USE WITH GT133)

| | | | | | |
|---|---|-----|---|--------|-------|
| — | 1 | 0.2 | C | 192326 | 69.43 |
|---|---|-----|---|--------|-------|

PILOT DRILL (ACCESSORY TOOLS FOR USE WITH GT133)

| | | | | | |
|---|---|------|---|--------|-------|
| — | 1 | 0.03 | C | 192328 | 17.09 |
|---|---|------|---|--------|-------|

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. ^A | ABOVE GROUND ▼ | |
|--|--------------|--------------|-------------------------|-------------------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| BOSS PIPE 240MM LONG WITH 2 X 50MM BOSSES IN LINE AND PUSH-FIT CONNECTION | | | | | | |



| GT132 | | | | | | |
|-------|---|-----|---|--------|--------|--|
| 100 | 2 | 3.1 | C | 191742 | 153.22 | |

ASPHALT ROOF VENT CONNECTOR



| GT73 | | | | | | |
|------|---|-----|---|--------|--------|--|
| 100 | 1 | 2.1 | C | 191733 | 113.40 | |

BELLMOUTH GULLY INLET



| GT483 | | | | | | |
|-------|---|-----|---|--------|--------|--|
| 100 | 1 | 2.4 | C | 191737 | 152.36 | |

| GRATE TO SUIT | | | | | | |
|---------------|---|-----|---|--------|-------|--|
| — | 1 | 1.6 | B | 191385 | 18.95 | |

LOOSE PUDDLE FLANGE (GREY EPOXY COATED)



| ED078 | | | | | | |
|-------|---|-----|---|--------|--------|--|
| 100 | 1 | 4.0 | C | 191829 | 111.55 | |

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

TRAPS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | ABOVE GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

'P' TRAP



| GT34 | | | | | | |
|------|-----|---|-----|---|--------|--------|
| | 100 | 1 | 4.4 | C | 191714 | 105.26 |

'P' TRAPS WITH HEEL ACCESS (*NO SUPPORT LUG)



| GT37 | | | | | | |
|------|-----|---|------|---|--------|--------|
| | *50 | 1 | 2.0 | C | 191715 | 161.10 |
| | *75 | 1 | 6.7 | C | 191716 | 161.10 |
| | 100 | 1 | 5.3 | C | 191717 | 178.53 |
| | 150 | 1 | 12.0 | C | 191718 | 311.71 |

ACCESSORIES

RATCHET SPANNER



| EF100 | | | | | | |
|-------|---|---|-----|---|--------|--------|
| | — | 1 | 0.6 | B | 191201 | 116.15 |

'T' SPANNER (BOX)



| EF098 | | | | | | |
|-------|---|---|-----|---|--------|-------|
| | — | 1 | 0.1 | B | 191200 | 12.69 |

13MM DEEP SOCKET



| EF101 | | | | | | |
|-------|---|---|-----|---|--------|-------|
| | — | 1 | 0.1 | B | 191202 | 29.20 |

TIMESAVER HERITAGE SYSTEM

Timesaver Heritage is a mechanically jointed cast iron soil system to BS 416-2:1990, British Standard Kitemark approved.

The range includes push-fit couplings that turn a mechanical system into one with a traditional socket appearance of yesteryear, as depicted in BS 416-1:1990 — but without the labour intensive caulked jointing method.

Supplied in a black water based primer coat the product is easy to overpaint and is the modern solution for external cast iron soil stacks, often seen on listed buildings, pre-1960's housing and properties situated in areas of conservation.

The Heritage couplings are available in 50, 75, 100 and 150mm diameters that connect standard Timesaver pipe and fittings. Pipes are available in 3m lengths for 50mm and 150mm diameter (also available on 75 and 100mm) and 1.8m (6ft) lengths in 75 and 100mm diameters specifically introduced to meet this field of application.

The Heritage couplings are available in three types:

- > With fixing ears to fit to the wall
- > Plain without ears for connection only
- > Slip version available to use when pipework already installed.



COUPLING GASKETS

PAM Building have introduced new gaskets for the Heritage couplings to ease installation further.



1 Apply a small amount of lubricant (i.e. lubricant prod code 199037) on the lip of the rubber gaskets, both ends, to ease insertion of pipe/fittings.

The rubber seals are factory fitted to the socket, and a suitable lubricant is recommended to ease the assembly.

2 Push joint over the end of pipe/fitting. Ensuring the central register is abutted against the spigot edge evenly. If the joint is eared, fix to wall using anti-corrosion coach screws or similar.

3 Push the second pipe or fitting into the gasket again ensuring that the spigot is abutted.

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | ABOVE GROUND ▼ | |
|-------------|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |

DOUBLE SPIGOT PIPE



| GT00 | | | | | | |
|------------------|----|------|---|--------|--------|--|
| 50 x 3m | 35 | 19.5 | A | 156366 | 156.00 | |
| 75 x 1.8m (6ft) | 1 | 15.0 | A | 206854 | 114.07 | |
| 100 x 1.8m (6ft) | 1 | 18.5 | A | 192423 | 134.05 | |
| 150 x 3m | 20 | 43.0 | A | 156831 | 440.42 | |

HERITAGE PLAIN COUPLINGS—PUSH-FIT JOINT



| GT05P | | | | | | |
|-------|---|-----|---|--------|-------|--|
| 50 | 1 | 1.4 | A | 192418 | 42.64 | |
| 75 | 1 | 1.4 | A | 206855 | 46.81 | |
| 100 | 1 | 1.8 | A | 192421 | 49.00 | |
| 150 | 1 | 3.6 | C | 266537 | 79.10 | |

HERITAGE COUPLINGS EARED—PUSH-FIT JOINT



| GT05E | | | | | | |
|-------|---|-----|---|--------|-------|--|
| 50 | 1 | 1.4 | A | 192417 | 43.94 | |
| 75 | 1 | 2.1 | A | 206856 | 48.22 | |
| 100 | 1 | 2.6 | A | 192420 | 53.22 | |
| 150 | 1 | 3.6 | C | 266536 | 83.54 | |

HERITAGE COUPLINGS SLIP—PUSH-FIT JOINT



| GT05S | | | | | | |
|-------|---|-----|---|--------|-------|--|
| 50 | 1 | 1.4 | C | 192419 | 55.23 | |
| 75 | 1 | 1.9 | C | 206836 | 57.37 | |
| 100 | 1 | 2.6 | B | 192422 | 64.52 | |
| 150 | 1 | 3.6 | C | 266538 | 92.98 | |

GASKET TO SUIT 100MM PUSH-FIT JOINT



| | | | | | |
|-----|----|-----|---|--------|------|
| 100 | 10 | 1.0 | C | 156133 | 7.41 |
|-----|----|-----|---|--------|------|

STEPPED CONVERSION COUPLER (100MM TO 90MM)



| GT05T | | | | | | |
|----------|----|-----|---|--------|-------|--|
| 100 x 90 | 10 | 1.0 | C | 259732 | 50.68 | |

| DESCRIPTION | SIZE Ø mm | PACK SIZE | NOMINAL WEIGHT KG | DSC. | ABOVE GROUND ▼ | |
|--|--------------|--------------|-------------------------|------|-----------------|-----------------|
| | | | | | PRODUCT CODE | UNIT PRICE £ |
| BRACKET TO SUIT 100MM EARED (EC001E/GT05E) PUSH-FIT JOINT | | | | | | |



| | | | | | | |
|--|-----|---|-----|---|--------|-------|
| | | | | | EF053 | |
| | 100 | 1 | 0.2 | C | 192333 | 67.18 |

| | | | | | | |
|-----------------------------------|--|--|--|--|--|--|
| 450MM EXTENDED ARM BRACKET | | | | | | |
|-----------------------------------|--|--|--|--|--|--|



| | | | | | | |
|--|-----|---|-----|---|--------|-------|
| | | | | | EF053A | |
| | 100 | 1 | 0.2 | C | 192363 | 67.18 |

| | | | | | | |
|------------------------------------|--|--|--|--|--|--|
| CAST IRON WALL SPACER PLATE | | | | | | |
|------------------------------------|--|--|--|--|--|--|



| | | | | | | |
|--|-----|---|-----|---|--------|------|
| | 50 | 1 | 0.2 | C | 192424 | 9.70 |
| | 75 | 1 | 0.3 | C | 206838 | 9.70 |
| | 100 | 1 | 0.4 | B | 192425 | 9.70 |

| | | | | | | |
|---|--|--|--|--|--|--|
| LUBRICANT 500G TUB (TO SUIT EARED PUSH-FIT JOINTS GT05E) | | | | | | |
|---|--|--|--|--|--|--|



| | | | | | | |
|--|---|---|-----|---|--------|-------|
| | — | 1 | 0.4 | C | 199037 | 32.39 |
|--|---|---|-----|---|--------|-------|

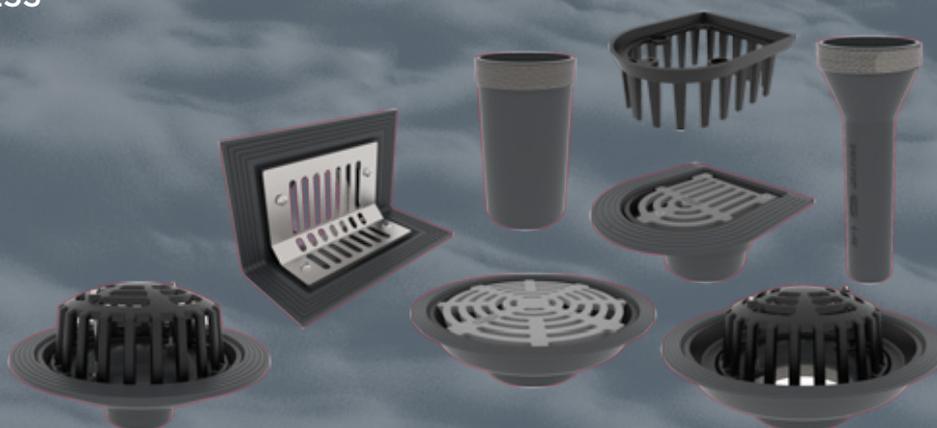
^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

VORTX

CAST IRON ROOF OUTLETS

OUR RANGE OF ROOF, FLOOR AND
SHOWER DRAINAGE PRODUCTS
DESIGNED IN COMPLIANCE WITH
BS EN 1253 CRITERIA AND BACKED
BY THE QUALITY COMMITMENT OF THE
PAM BUILDING BRAND WITH NEARLY
100 YEARS' EXPERIENCE IN DRAINAGE.

PRODUCT STANDARD:
BS EN 1253



APPLICATIONS

- > Various flat roof structures
 - > Concrete
 - > Timber
 - > Lightweight metal structure
- > Warm, cold and inverted roofs
- > Parapet wall construction
- > Load bearing situations exposed to vehicular traffic i.e. car parks

FEATURES—CAST IRON BODIES WITH SPIGOTS OR BSP

- > Vertical spigot roof outlets in 100mm and 150mm diameters
 - > 88° and 45° angled roof outlets in 100mm
 - > Flexible clamping ring
- > Balcony outlets with Flat or notched gratings
- > Two-way or parapet outlets
- > Smaller diameter outlets (50/70mm):
 - > 100mm BSP Outlets with reducing spigot adaptors VX-F501
- > Raising pieces and gravel guard

BENEFITS

- > Strong and robust performance
- > Clamping Ring on the vertical and angled roof outlets can accommodate a liquid membrane of 2-3mm to full membranes with hot bitumen of 8mm
- > Robust domical gratings in cast iron
- > Quality coatings with proven performance for these applications
 - > Black polyester for performance in sunlight
 - > Sheradised gratings to protect for load bearing applications
- > Optimised range of bodies
- > High flow rates—tested by CRM Rainwater Drainage Consultancy
 - > 150mm vertical roof outlet achieved 14.5 l/s

VORTX ROOF OUTLETS

COATINGS

GREY EPOXY

- > Cast iron bodies

BLACK POLYESTER

- > Domical gratings to suit vertical and angled roof outlets
- > All clamping rings
- > All raising pieces

SHERADISED COATING

- > Flat gratings to suit vertical and angled roof outlets
- > Flat and notched gratings to suit balcony outlets.

NEW

ALUMINIUM ROOF OUTLETS—SEE PAGE 92 FOR DETAILS

| DESCRIPTION | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|---------------------|-------------------|---------------|---------------|-------|--------------|--------------|
| VERTICAL ROOF OUTLET WITH FLAT GRATE AND 110MM SPIGOT (SUITABLE FOR CAR PARK APPLICATIONS) | | | | | | | |
|  | 110mm OD Spigot | 1 | 10.5 | 8.1 | L15 | B | 159.62 |
| For 150mm use 6" BSP with spigot adapter | | | | | | | |
| VERTICAL ROOF OUTLET WITH DOME GRATE AND 110MM SPIGOT | | | | | | | |
|  | 110mm OD Spigot | 1 | 8.9 | 10.7 | K3 | B | 159.62 |
| For 150mm use 6" BSP with spigot adapter | | | | | | | |
| VERTICAL ROOF OUTLETS WITH FLAT GRATE (SUITABLE FOR CAR PARK APPLICATIONS) | | | | | | | |
|  | 4" BSP | 1 | 10.5 | 8.1 | L15 | B | 168.75 |
|  | 6" BSP | 1 | 14.9 | 14.2 | L15 | C | 328.31 |
| For smaller diameter outlets 70mm and 50mm call Technical Department on 01952 262529 | | | | | | | |
| VERTICAL ROOF OUTLETS WITH DOME GRATE | | | | | | | |
|  | 4" BSP | 1 | 8.9 | 10.7 | K3 | B | 168.75 |
|  | 6" BSP | 1 | 12.4 | 14.5 | K3 | C | 328.31 |
| BALCONY ROOF OUTLET WITH FLAT GRATE AND 110MM SPIGOT | | | | | | | |
|  | 110mm OD Spigot | 1 | 6.3 | 4.99 | K3 | B | 136.86 |
| TWO WAY OUTLET WITH FLAT STEEL GRATE | | | | | | | |
|  | 4" BSP | 1 | 6.2 | 1.09 | K3 | C | 132.25 |
| For smaller diameter outlets 70mm and 50mm use spigot adapter VX-500/VX-F501 | | | | | | | |
| RAISING PIECE TO SUIT 100MM AND 150MM VERTICAL OUTLETS | | | | | | | |
|  | 285 x 75mm high | 1 | 2.5 | — | — | B | 63.86 |
| RAISING PIECE TO SUIT BALCONY OUTLETS | | | | | | | |
|  | 50mm effective high | 1 | 0.9 | — | — | C | 63.86 |

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ^Δ DSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|------|-----------|-------------------|---------------|---------------|-------------------|--------------|--------------|
|-------------|------|-----------|-------------------|---------------|---------------|-------------------|--------------|--------------|

BSP SPIGOT ADAPTORS



| Length | | VX-F500 | | | | | | |
|------------------|-------|---------|-----|---|---|---|--------|--------|
| 4" BSP to 110mm | 215mm | 1 | 2.7 | — | — | A | 227131 | 28.03 |
| 6" BSP to 160mm | 300mm | 1 | 4.6 | — | — | C | 247429 | 103.31 |
| **2" BSP to 56mm | 215mm | 1 | 1.1 | — | — | A | 234207 | 17.76 |

**Used with reducing bushes

BSP ADAPTORS



| CONCENTRIC | | VX-F501 | | | | | | |
|------------------|---|---------|---|---|---|--------|-------|--|
| 300 x 80mm to 4" | 1 | 2.8 | — | — | A | 256615 | 40.71 | |
| 300 x 60mm to 4" | 1 | 2.3 | — | — | A | 256613 | 33.66 | |

DOMICAL GRATE SUITES WITH VERTICAL ANGLED OUTLETS



| | | | | | | |
|---|-----|---|---|---|--------|-------|
| 1 | 2.4 | — | — | C | 247775 | 77.54 |
|---|-----|---|---|---|--------|-------|

FLAT GRATES—TO SUIT VERTICAL ANGLED OUTLETS



| | | | | | | | |
|-------|---|-----|---|---|---|--------|-------|
| 100mm | 1 | 4.0 | — | — | C | 247776 | 64.77 |
| 150mm | 1 | 4.8 | — | — | C | 247777 | 64.77 |

STAINLESS STEEL GRAVEL GUARD & STRAINERS—TO SUIT VERTICAL ANGLED OUTLETS



| Gravel Guard | | VX-R730 | | | | | | |
|--------------|---|---------|---|---|---|--------|--------|--|
| 290 x 155mm | 1 | 0.2 | — | — | C | 247752 | 101.23 | |



| Strainers | | VX-R740 | | | | | | |
|---------------|---|---------|---|---|---|--------|--------|--|
| 290mm x 300mm | 1 | 3.3 | — | — | C | 253154 | 196.13 | |
| 290mm x 200mm | 1 | 2.8 | — | — | C | 253155 | 186.57 | |

CLAMPING RINGS—TO SUIT VERTICAL ANGLED OUTLETS



| | | | | | | | |
|-------|---|-----|---|---|---|--------|-------|
| 100mm | 1 | 1.3 | — | — | C | 247778 | 53.83 |
| 150mm | 1 | 3.3 | — | — | C | 247779 | 53.83 |

^ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

NEW

VORTX

ALUMINIUM ROOF OUTLETS

PAM BUILDING'S VORTX RANGE HAS BEEN EXPANDED WITH A NEW LINE OF ALUMINIUM ROOF OUTLETS FEATURING FLAT AND DOMED GRATES, DESIGNED FOR FLAT ROOFING PROJECTS. BOTH SPIGOT AND SCREW CONNECTION MODELS ARE AVAILABLE.

Our aluminium roof outlets provide a lightweight, robust and corrosion-resistant option with excellent flow performance to BS EN 12056.

The VortX aluminium roof outlets are manufactured in LM6 Aluminium Silicon casting alloy to BS EN 1706:2010, to suit most roof finishes.

- > Our range can be fitted in almost any type of roof construction, with a comprehensive selection of accessories including threaded adaptors and extending rings.
- > The clamping ring ensures that the waterproof membrane is securely fitted, creating a strong and reliable seal.
- > Installation is quick and easy and thanks to the simplicity of the solution no maintenance is required throughout its 40+ year life.
- > We have designed the range with circularity in mind and as such our aluminium roof outlets are made from 80% recycled material and are 100% recyclable at end of life.
- > Thanks to the corrosion-resistant properties of aluminium all products in this new range have a life expectancy of over 40+ years.

THIS NEW RANGE EMBODIES OUR MOTTO - SAFE AND SUSTAINABLE BY NATURE.

PRODUCT STANDARDS:

BS EN 12056

BS EN 1706:2010



| DESCRIPTION | SIZE mm (Ø mm) | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ^Δ DSC. | PRODUCT CODE | UNIT PRICE £ |
|---|-------------------|--------------|-------------------------|---------------------|------------------|-------------------|-----------------|-----------------|
| NEW VERTICAL SPIGOT OUTLET WITH DOME GRATE | | | | | | | VX-AV2-D | |
|  | 300 x 260h (50Ø) | 1 | 2.48 | 1.7 | A15 | B | 286059 | 145.08 |
| NEW VERTICAL SPIGOT OUTLET WITH FLAT GRATE | | | | | | | VX-AV2-F | |
|  | 300 x 200h (50Ø) | 1 | 2.80 | 1.7 | A15 | B | 286058 | 145.08 |
| NEW VERTICAL THREADED BSP OUTLET WITH DOME GRATE | | | | | | | VX-AV2T-D | |
|  | 300 x 186h (50Ø) | 1 | 2.34 | 1.7 | A15 | B | 286054 | 148.27 |
| NEW VERTICAL THREADED BSP OUTLET WITH FLAT GRATE | | | | | | | VX-AV2T-F | |
|  | 300 x 124h (50Ø) | 1 | 2.50 | 1.7 | A15 | B | 286090 | 148.27 |
| NEW VERTICAL SPIGOT OUTLET WITH DOME GRATE | | | | | | | VX-AV3-D | |
|  | 300 x 260h (75Ø) | 1 | 2.38 | 5.0 | A15 | B | 286063 | 190.10 |
| NEW VERTICAL SPIGOT OUTLET WITH FLAT GRATE | | | | | | | VX-AV3-F | |
|  | 300 x 200h (75Ø) | 1 | 2.68 | 5.0 | A15 | B | 286062 | 192.52 |

^ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE mm (Ø mm) | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|-------------------|--------------|-------------------------|---------------------|------------------|-------|-----------------|-----------------|
| NEW VERTICAL THREADED BSP OUTLET WITH DOME GRATE | | | | | | | VX-AV3T-D | |
|  | 300 x 186 (75Ø) | 1 | 2.18 | 5.0 | A15 | B | 286061 | 190.10 |
| NEW VERTICAL THREADED BSP OUTLET WITH FLAT GRATE | | | | | | | VX-AV3T-F | |
|  | 300 x 124h (75Ø) | 1 | 2.50 | 5.0 | A15 | B | 286060 | 192.52 |
| NEW VERTICAL SPIGOT OUTLET WITH DOME GRATE | | | | | | | VX-AV4-D | |
|  | 382 x 304h (100Ø) | 1 | 3.00 | 10.7 | A15 | B | 286067 | 247.60 |
| NEW VERTICAL SPIGOT OUTLET WITH FLAT GRATE | | | | | | | VX-AV4-F | |
|  | 382 x 245h (100Ø) | 1 | 3.58 | 10.7 | A15 | B | 286066 | 270.02 |
| NEW VERTICAL THREADED BSP OUTLET WITH DOME GRATE | | | | | | | VX-AV4T-D | |
|  | 382 x 195h (100Ø) | 1 | 3.00 | 10.7 | A15 | B | 286065 | 270.53 |
| NEW VERTICAL THREADED BSP OUTLET WITH FLAT GRATE | | | | | | | VX-AV4T-F | |
|  | 382 x 136h (100Ø) | 1 | 3.58 | 10.7 | A15 | B | 286064 | 289.24 |

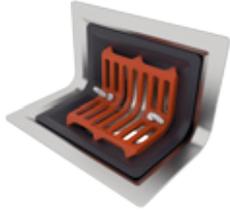
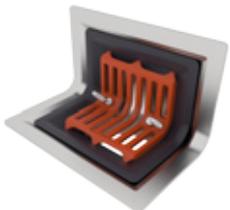
| DESCRIPTION | SIZE mm (Ø mm) | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ^Δ DSC. | PRODUCT CODE | UNIT PRICE £ |
|---|--------------------------|--------------|-------------------------|---------------------|------------------|-------------------|-----------------|-----------------|
| NEW VERTICAL SPIGOT OUTLET WITH DOME GRATE | | | | | | | VX-AV6-D | |
|  | 382 x 300h (150Ø) | 1 | 3.52 | 15.1 | A15 | B | 286071 | 317.18 |
| NEW VERTICAL SPIGOT OUTLET WITH FLAT GRATE | | | | | | | VX-AV6-F | |
|  | 382 x 245h (150Ø) | 1 | 4.12 | 16.4 | A15 | B | 286070 | 335.86 |
| NEW VERTICAL THREADED BSP OUTLET WITH DOME GRATE | | | | | | | VX-AV6T-D | |
|  | 382 x 170h (150Ø) | 1 | 3.08 | 15.2 | A15 | B | 286069 | 324.01 |
| NEW VERTICAL THREADED BSP OUTLET WITH FLAT GRATE | | | | | | | VX-AV6T-F | |
|  | 382 x 115h (150Ø) | 1 | 3.70 | 15.9 | A15 | B | 286068 | 342.69 |
| NEW BALCONY OUTLET WITH FLAT GRATE | | | | | | | VX-AB2-F | |
|  | 265 x 230w x 229h (50Ø) | 1 | 2.71 | 1.7 | A15 | B | 286081 | 171.81 |
| NEW BALCONY OUTLET WITH FLAT GRATE | | | | | | | VX-AB3-F | |
|  | 265 x 230w x 229h (75Ø) | 1 | 2.74 | 5.0 | A15 | B | 286080 | 197.52 |
| NEW BALCONY OUTLET WITH FLAT GRATE | | | | | | | VX-AB4-F | |
|  | 265 x 230w x 229h (100Ø) | 1 | 2.78 | 7.55 | A15 | B | 286079 | 242.61 |

^ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

VORTX ROOF AND FLOOR DRAINAGE

ALUMINIUM TWO WAY OUTLETS

ALUMINIUM ACCESSORIES

| DESCRIPTION | SIZE mm (Ø mm) | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|--|--------------------------|--------------|-------------------------|---------------------|------------------|-------|-----------------|-----------------|
| NEW TWO-WAY OUTLET WITH FLAT GRATE | | | | | | | VX-ATW3-F | |
|  214 x 254w x 192h (75Ø) | 214 x 254w x 192h (75Ø) | 1 | 2.14 | 4.13 | A15 | B | 286083 | 249.02 |
| NEW TWO-WAY OUTLET WITH FLAT GRATE | | | | | | | VX-ATW4-F | |
|  214 x 254w x 192h (100Ø) | 214 x 254w x 192h (100Ø) | 1 | 2.24 | 7.83 | A15 | B | 286082 | 261.86 |
| NEW VERTICAL OUTLET EXTENSION RING | | | | | | | VX-AER2/3 | |
|  230 x 125h (50/75Ø) | 230 x 125h (50/75Ø) | 1 | 1.40 | N/A | A15 | B | 286078 | 80.08 |
| NEW VERTICAL OUTLET EXTENSION RING | | | | | | | VX-AER4/6 | |
|  230 x 125h (100/150Ø) | 230 x 125h (100/150Ø) | 1 | 1.35 | N/A | A15 | B | 286077 | 91.59 |
| NEW BALCONY OUTLET EXTENSION RING | | | | | | | VX-AER-B | |
|  208 x 158w x 112h | 208 x 158w x 112h | 1 | 1.35 | N/A | A15 | B | 286076 | 105.96 |

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ^Δ DSC. | PRODUCT CODE | UNIT PRICE £ |
|---|-------------------|-----------|-------------------|---------------|---------------|-------------------|--------------|--------------|
| NEW THREADED ADAPTOR X 300MM | | | | | | | VX-ADP2-300 | |
|  | 58 x 300h (50Ø) | 1 | 0.81 | N/A | A15 | B | 286075 | 33.67 |
| NEW THREADED ADAPTOR X 300MM | | | | | | | VX-ADP3-300 | |
|  | 83 x 300h (75Ø) | 1 | 1.19 | N/A | A15 | B | 286074 | 43.51 |
| NEW THREADED ADAPTOR X 300MM | | | | | | | VX-ADP4-300 | |
|  | 110 x 300h (100Ø) | 1 | 1.77 | N/A | A15 | B | 286073 | 57.58 |
| NEW THREADED ADAPTOR X 300MM | | | | | | | VX-ADP6-300 | |
|  | 158 x 300h (150Ø) | 1 | 2.54 | N/A | A15 | B | 286072 | 97.31 |

^ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

VORTX

FLOOR DRAINAGE

PAM BUILDING VORTX OFFERS A
SIMPLIFIED RANGE OF FLOOR DRAINAGE
PRODUCTS FOR MOST APPLICATIONS

PRODUCT STANDARD:
BS EN 1253



APPLICATIONS

- > Suitable for all commercial and industrial applications
- > Grates available for tiled, marble, terrazzo, concrete, vinyl and resin floors.
- > Gratings Load class options as depicted in BS EN 1253:
 - > K3—Pedestrian areas and wet room applications such as shower areas, bathrooms, swimming baths, leisure centres, balconies, retail areas, hotels, offices, schools, public buildings, hospitals, prisons, terraces and roof gardens
 - > L15—Areas of light vehicular traffic such as cycle ways and domestic drives
 - > M125—Car parks

FEATURES

- > Simplified range of trapped and untrapped cast iron gullies
- > Lighter weight P-Trap and S-Trap gullies
- > New cast iron modular gullies with spigot/BSP outlets that configure to:
 - > Deep sumps/bell traps/brewery traps

- > Gratings and rodding eyes:
 - > Nickel bronze & stainless steel
 - > Cast iron
 - > New Anti-Ligature stainless-steel gratings
- > Full range of accessories
 - > Security screws
 - > Cast iron raising pieces
 - > Spigot adaptors for various pipe diameter connections

BENEFITS

- > Simplified range easy to navigate and specify
- > S-trap offers space saving—only requiring a 180mm core hole
- > Saving cost
- > Cast iron gullies are robust and are grey epoxy coated
- > Spigot adaptors to connect to most pipe sizes and materials
- > New modular deep sump gullies that can configure to bell and brewery type traps.



| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ^Δ DSC. | PRODUCT CODE | UNIT PRICE £ | |
|---|------|------------------|-------------------|---------------|---------------|-------------------|--------------|--------------|--------|
| 150MM CIRCULAR GRATINGS IN STAINLESS STEEL | | | | | | | | | |
|  | S | 150mm NPSM | 1 | 1.5 | 2.0 | K3 | A | 227050 | 163.64 |
|  | S | 150mm Direct Fit | 1 | 1.5 | 2.0 | K3 | A | 233407 | 163.64 |
| 150MM SQUARE GRATINGS IN STAINLESS STEEL | | | | | | | | | |
|  | S | 150mm NPSM | 1 | 1.2 | 2.2 | K3 | A | 227102 | 163.64 |
|  | S | 150mm Direct Fit | 1 | 1.2 | 2.2 | K3 | A | 233421 | 163.64 |
| 200MM SQUARE GRATINGS IN STAINLESS STEEL | | | | | | | | | |
|  | S | 200mm NPSM | 1 | 2.8 | 3.0 | K3 | A | 227104 | 260.71 |
|  | S | 200mm Direct Fit | 1 | 2.8 | 3.0 | K3 | A | 233424 | 260.71 |
| 150MM CIRCULAR GRATINGS IN STAINLESS STEEL FOR VINYL FLOORS | | | | | | | | | |
|  | S | 150mm NPSM | 1 | 2.1 | 1.85 | K3 | A | 227112 | 233.29 |
|  | S | 150mm Direct Fit | 1 | 2.1 | 1.85 | K3 | A | 233435 | 233.29 |
| 150MM CIRCULAR GRATINGS IN CAST IRON | | | | | | | | | |
|  | | 150mm NPSM | 1 | 2.9 | 1.5 | L15 | C | 247771 | 85.85 |
|  | | 150mm Direct Fit | 1 | 3.0 | 1.5 | L15 | C | 247773 | 85.85 |
| 150MM SQUARE GRATINGS IN CAST IRON | | | | | | | | | |
|  | | 150mm NPSM | 1 | 2.9 | 1.5 | L15 | C | 247772 | 92.13 |
|  | | 150mm Direct Fit | 1 | 3.0 | 1.5 | L15 | C | 247774 | 92.13 |

150MM CIRCULAR RODDING EYES IN STAINLESS STEEL



| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|--------------------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| | | | | | | | VX-F025 | |
| | S 150mm Direct Fit | 1 | 1.6 | N/A | K3 | A | 233427 | 204.78 |

150MM SQUARE RODDING EYES IN STAINLESS STEEL



| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|--------------------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| | | | | | | | VX-F045 | |
| | S 150mm NPSM | 1 | 1.3 | N/A | K3 | A | 227108 | 204.78 |
| | S 150mm Direct Fit | 1 | 1.3 | N/A | K3 | A | 233430 | 204.78 |

200MM SQUARE RODDING EYES IN STAINLESS STEEL



| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|--------------------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| | | | | | | | VX-F065 | |
| | S 200mm Direct Fit | 1 | 3.1 | N/A | K3 | A | 233433 | 260.71 |

150MM CIRCULAR RODDING EYES IN STAINLESS STEEL FOR VINYL FLOORS



| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|--------------------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| | | | | | | | VX-F085 | |
| | S 150mm Direct Fit | 1 | 2.2 | N/A | K3 | A | 233439 | 247.37 |

ABS AIRTIGHT BUNG (CAN BE FITTED TO RODDING EYES TO MAKE A DOUBLE SEAL)



| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|-------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| | | | | | | | VX-F430 | |
| | 105mm | 1 | 0.1 | N/A | — | C | 241195 | 6.55 |

SCREWS & ALLEN KEY (BAG OF 4 SECURITY SCREWS AND ALLEN KEY)



| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| | | | | | | | VX-F420 | |
| | — | 1 | 0.1 | — | — | C | 233455 | 7.47 |

S = Standard Finish

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|------------|-----------|-------------------|---------------|---------------|-------|-------------------|--------------|
| UNTRAPPED FLOOR GULLIES WITH MEDIUM SUMP (110MM) | | | | | | | | |
|  | 110mm | 1 | 2.4 | — | — | A | VX-F200 227119 | 30.39 |
| UNTRAPPED FLOOR GULLIES WITH MEDIUM SUMP (4" BSP) | | | | | | | | |
|  | 4" BSP | 1 | 2.6 | — | — | A | VX-F200 227118 | 37.33 |
| UNTRAPPED FLOOR GULLY WITH SUMPLESS BODY | | | | | | | | |
|  | 110mm NPSM | 1 | 1.6 | — | — | A | VX-F210 227120 | 35.47 |
| P TRAP FLOOR GULLY | | | | | | | | |
|  | 110mm | 1 | 6.4 | — | — | A | VX-F220 227129 | 96.31 |
| S TRAP FLOOR GULLY | | | | | | | | |
|  | 110mm | 1 | 6.4 | — | — | A | VX-F230 227130 | 96.31 |
| CLAMPING RING TO SUIT FLOOR GULLIES | | | | | | | | |
|  | 205mm | 1 | 0.7 | — | — | A | VX-F205 233440 | 13.46 |
| RAISING PIECES | | | | | | | | |
|  | 20-40mm | 1 | 0.8 | — | — | C | VX-F350 227121 | 36.07 |
| | 40-95mm | 1 | 1.5 | — | — | C | 227122 | 45.18 |
| | 95-140mm | 1 | 2.0 | — | — | C | 227123 | 55.90 |

PLEASE NOTE: ALL PARTS ON THIS PAGE WILL BE MAKE TO ORDER

CAST IRON DEEP SUMP BODY WITH 3 X 2" BSP INLETS—EPOXY-COATED

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|------------------------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| VX-F215 | | | | | | | | |
|  | 110mm OD Spigot Outlet | 1 | 12.3 | — | — | C | 260384 | 163.76 |
| | 4" BSP Outlet | 1 | 11.5 | — | — | C | 260385 | 182.30 |
| | 6" BSP Outlet | 1 | 10.1 | — | — | C | 260386 | 193.57 |

Body can also include 4" BSP inlet upon request

BELL TRAP BODY WITH 3 X 2" BSP INLETS AND 4" NPSM REDUCING COLLAR—EPOXY-COATED CAST IRON

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|------------------------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| VX-F250 | | | | | | | | |
|  | 110mm OD Spigot Outlet | 1 | 12.3 | — | — | C | 260387 | 301.43 |

Can be fitted with Nickel Bronze/Stainless Steel Gratings

Body can also include 4" BSP inlet upon request

BREWERY TRAP 3 X 2" BSP INLETS WITH 300MM SQUARE CAST IRON GRATING—BODY EPOXY-COATED CAST IRON/GRATING SHERADISED

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|------------------------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| VX-F240 | | | | | | | | |
|  | 110mm OD Spigot Outlet | 1 | 29.6 | — | — | C | 260389 | 656.21 |

Body can also include 4" BSP inlet upon request

BREWERY TRAP 3 X 2" BSP INLETS WITH 300MM SQUARE CAST IRON GRATING—BODY EPOXY-COATED CAST IRON/GRATING SHERADISED

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|---------------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| VX-F244 | | | | | | | | |
|  | 4" BSP Outlet | 1 | 28.6 | — | — | C | 260390 | 675.53 |

Body can also include 4" BSP inlet upon request

300 X 300MM SQUARE GRATING IN DUCTILE IRON—SHERADISED TO SUIT VXF215/250

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|---------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| VX-F130 | | | | | | | | |
|  | 4" NPSM | 1 | 14.5 | — | M125 | C | 260393 | 164.61 |

300 X 300MM SQUARE GRATING IN DUCTILE IRON—SHERADISED TO SUIT BELL TRAP VX-F250

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|------------------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| VX-F130 | | | | | | | | |
|  | 100mm Direct Fit | 1 | 14.4 | — | — | C | 260396 | 160.66 |

REDUCING RING TO SUIT BELL TRAP AND DEEP SUMP—EPOXY-COATED CAST IRON

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|---------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
| VX-F206 | | | | | | | | |
|  | 4" NPSM | 1 | 0.5 | — | — | C | 260397 | 57.72 |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

Prices exclude VAT

VORTX

SHOWER DRAINS

ROBUST CAST IRON SHOWER GULLIES IN 100MM AND 50MM WITH A RANGE OF STAINLESS-STEEL GRATINGS TO SUIT MOST TYPES OF SOLID OR SUSPENDED FLOOR CONSTRUCTION.

APPLICATIONS

- > Commercial, public and residential buildings
- > Solid or suspended floors
- > Tiled or flexible sheet floor membranes
- > Anti-ligature gratings for incarceration areas i.e. prisons, etc.

FEATURES

- > Vertical and horizontal shower gullies 100mm and 50mm
- > Cast iron grey epoxy coated
- > 50mm removable bottle trap with unique twist and lock mechanism
- > Stainless-steel gratings

BENEFITS

- > Robust cast iron solutions
- > Unique twist and lock removable trap
- > Available in kit format
- > Cost effective with other materials
- > Simplified range

SHOWER DRAIN KITS

VortX shower drain kits consist of a cast iron body with vertical or horizontal outlet, a removable bottle trap and a stainless-steel grating supplied all together in a box.



HORIZONTAL SHOWER DRAIN KITS



Our Shower Drain Kits are made to give you everything you need in one box. When ordering one of the kit codes you will get the grating of your choice (A), a bottle trap (B) and either a vertical or horizontal drain (C).



| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ^A DSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|------|-----------|-------------------|---------------|---------------|-------------------|--------------|--------------|
|-------------|------|-----------|-------------------|---------------|---------------|-------------------|--------------|--------------|

SHOWER DRAIN KIT WITH 60MM CAST IRON HORIZONTAL SHOWER DRAIN —SUPPLIED COMPLETE IN A BOX



Kit includes:
VX-S261 60mm Shower Drain and VX-F400 Bottle Trap plus a Stainless Steel Grating to suit listed below

TO ORDER THE WHOLE KIT PLEASE USE THE CODE LISTED NEXT TO THE REQUIRED GRATING

SHOWER DRAIN KIT 60MM CAST IRON HORIZONTAL SHOWER DRAIN WITH VX-S270 150MM CIRCULAR STAINLESS STEEL GRATING FOR VINYL FLOOR

| | | | | | | | | |
|---|-------|---|-----|-----|----|---|--------|--------|
| S | 150mm | 1 | 3.4 | 0.9 | K3 | C | 239748 | 156.95 |
|---|-------|---|-----|-----|----|---|--------|--------|



SHOWER DRAIN KIT 60MM CAST IRON HORIZONTAL SHOWER DRAIN WITH VX-S270 150MM DECORATIVE STAINLESS STEEL GRATING FOR VINYL FLOOR

| | | | | | | | | |
|---|-------|---|-----|-----|----|---|--------|--------|
| S | 150mm | 1 | 3.3 | 0.9 | K3 | C | 239752 | 156.95 |
|---|-------|---|-----|-----|----|---|--------|--------|



SHOWER DRAIN KIT 60MM CAST IRON HORIZONTAL SHOWER DRAIN WITH VX-S271 150MM SQUARE STAINLESS STEEL GRATING FOR VINYL FLOOR

| | | | | | | | | |
|---|-------|---|-----|-----|----|---|--------|--------|
| S | 150mm | 1 | 3.6 | 0.9 | K3 | C | 239750 | 159.88 |
|---|-------|---|-----|-----|----|---|--------|--------|



SHOWER DRAIN KIT 60MM CAST IRON HORIZONTAL SHOWER DRAIN WITH VX-S271 150MM DECORATIVE SQUARE STAINLESS STEEL GRATING FOR TILED FLOOR

| | | | | | | | | |
|---|-------|---|-----|-----|----|---|--------|--------|
| S | 150mm | 1 | 3.5 | 0.9 | K3 | C | 239754 | 159.88 |
|---|-------|---|-----|-----|----|---|--------|--------|



S = Standard Finish

^ADelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

HORIZONTAL SHOWER DRAIN KITS

VERTICAL SHOWER DRAIN KITS



Our Shower Drain Kits are made to give you everything you need in one box. When ordering one of the kit codes you will get the grating of your choice (A), a bottle trap (B) and either a vertical or horizontal drain (C).



VERTICAL SHOWER DRAIN KITS

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ^DSC. | PRODUCT CODE | UNIT PRICE £ |
|-------------|------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|
|-------------|------|-----------|-------------------|---------------|---------------|-------|--------------|--------------|

SHOWER DRAIN KIT WITH 60MM CAST IRON VERTICAL SHOWER DRAIN —SUPPLIED COMPLETE IN A BOX



Kit includes:
VX-S260 60mm Shower Drain and VX-F400 Bottle Trap plus a Stainless Steel Grating to suit listed below

TO ORDER THE WHOLE KIT PLEASE USE THE CODE LISTED NEXT TO THE REQUIRED GRATING

SHOWER DRAIN KIT 60MM CAST IRON VERTICAL SHOWER DRAIN WITH VX-S270 150MM CIRCULAR STAINLESS STEEL GRATING FOR VINYL FLOOR

| | | | | | | | | |
|---|-------|---|-----|-----|----|---|--------|--------|
| s | 150mm | 1 | 3.3 | 1.1 | K3 | C | 239740 | 156.95 |
|---|-------|---|-----|-----|----|---|--------|--------|



SHOWER DRAIN KIT 60MM CAST IRON VERTICAL SHOWER DRAIN WITH VX-S270 150MM DECORATIVE STAINLESS STEEL GRATING FOR VINYL FLOOR

| | | | | | | | | |
|---|-------|---|-----|-----|----|---|--------|--------|
| s | 150mm | 1 | 3.3 | 1.1 | K3 | C | 239744 | 156.95 |
|---|-------|---|-----|-----|----|---|--------|--------|



SHOWER DRAIN KIT 60MM CAST IRON VERTICAL SHOWER DRAIN WITH VX-S271 150MM SQUARE STAINLESS STEEL GRATING FOR VINYL FLOOR

| | | | | | | | | |
|---|-------|---|-----|-----|----|---|--------|--------|
| s | 150mm | 1 | 3.5 | 1.1 | K3 | C | 239742 | 159.88 |
|---|-------|---|-----|-----|----|---|--------|--------|



SHOWER DRAIN KIT 60MM CAST IRON VERTICAL SHOWER DRAIN WITH VX-S271 150MM DECORATIVE SQUARE STAINLESS STEEL GRATING FOR VINYL FLOOR

| | | | | | | | | |
|---|-------|---|-----|-----|----|---|--------|--------|
| s | 150mm | 1 | 3.4 | 1.1 | K3 | C | 239746 | 159.88 |
|---|-------|---|-----|-----|----|---|--------|--------|



PLEASE NOTE THAT THE 60MM DRAIN WILL ALSO CONNECT TO A 110MM PIPE

S = Standard Finish

CAST IRON SHOWER DRAINS (BODY ONLY) VERTICAL

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|--|-----------|-------------------|---------------|---------------|-------|-------------------|--------------|
|  | 60mm OD | 1 | 2.4 | — | — | A | VX-S260 227126 | 46.75 |
| | PLEASE NOTE: this will also connect to 110mm | | | | | | | |

CAST IRON SHOWER DRAIN (BODY ONLY) HORIZONTAL

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|---------|-----------|-------------------|---------------|---------------|-------|-------------------|--------------|
|  | 60mm OD | 1 | 2.5 | — | — | A | VX-S261 227127 | 46.75 |

REMOVABLE BOTTLE TRAP ABS

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|-----------|-----------|-------------------|---------------|---------------|-------|-------------------|--------------|
|  | 50mm Trap | 1 | 0.1 | — | — | C | VX-F400 227128 | 35.51 |

STAINLESS STEEL FILTER BASKET TO SUIT SHOWER DRAINS

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|-------|-----------|-------------------|---------------|---------------|-------|-------------------|--------------|
|  | 110mm | 1 | 0.2 | — | — | C | VX-F410 227138 | 39.28 |

CIRCULAR STAINLESS STEEL GRATINGS TO SUIT SHOWER DRAINS FOR VINYL FLOOR

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|-------|-----------|-------------------|---------------|---------------|-------|-------------------|--------------|
|  | 150mm | 1 | 0.8 | 0.9/1.1 | K3 | A | VX-S270 227132 | 74.69 |

CIRCULAR DECORATIVE STAINLESS STEEL GRATINGS TO SUIT SHOWER DRAINS FOR VINYL FLOOR

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|-------|-----------|-------------------|---------------|---------------|-------|-------------------|--------------|
|  | 150mm | 1 | 0.7 | 0.9/1.1 | K3 | A | VX-S270 227133 | 74.69 |

SQUARE STEEL GRATINGS TO SUIT SHOWER DRAINS FOR VINYL FLOOR

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|-------|-----------|-------------------|---------------|---------------|-------|-------------------|--------------|
|  | 150mm | 1 | 1.0 | 0.9/1.1 | K3 | A | VX-S271 227134 | 77.59 |

DECORATIVE SQUARE STEEL GRATINGS TO SUIT SHOWER DRAINS FOR TILED FLOOR

| DESCRIPTION | SIZE | PACK SIZE | NOMINAL WEIGHT KG | FLOW RATE L/S | LOADING CLASS | ΔDSC. | PRODUCT CODE | UNIT PRICE £ |
|---|-------|-----------|-------------------|---------------|---------------|-------|-------------------|--------------|
|  | 150mm | 1 | 0.9 | 0.9/1.1 | K3 | A | VX-S271 227135 | 77.59 |

ΔDelivery Service Category DSC (see page 6) **A** =5 DAYS **B** =5-15 DAYS **C** =15-30 DAYS

At its foundry in Telford, Shropshire, the birthplace of cast iron production in the UK, PAM Building remains at the forefront of the design and manufacturing of high-performing cast iron above and below ground drainage systems for commercial, public and residential buildings. PAM Building in France manufactures the 3m pipes and the Telford site manufactures the fittings and ductile iron couplings and brackets to complete the ranges for all PAM Building's worldwide markets.



We are pleased to announce that our Ensign and Eezi-Fit range is now UKCA marked. The UKCA mark came into effect on 1st January 2021 and the CE mark will no longer be recognised on the Great Britain market from 1st January 2023.

By using the UKCA mark we declare that our product conforms to BS EN 877:1999+A1:2006, AVCP system 3 for the reaction of fire to the product and system 4 for all other characteristics. These tests have been conducted in a UKAS accredited lab in the UK. Our declaration of conformity and technical documentation is available on our website.

SYSTEM, PRODUCT AND SUSTAINABILITY ACCREDITATION

| | |
|------------------------------------|--|
| BS EN ISO 50001:2018 | For Energy Management Systems. Programme of Continual Improvement exceeding targets for energy reduction Certificate Number: ENMS710926 |
| BS EN ISO 9001:2015 | Quality Management Systems Certificate Number: FM756208 |
| BS EN ISO 14001:2015 | Environmental Management Systems Certificate Number: EMS756212 |
| BS EN ISO 45001:2018 | Occupational Health & Safety Management System Certificate Number: OHS 756213 |
| BES 6001 | Responsible Sourcing of Construction Materials Certificate Number: BES600635 |
| Carbon Reduce Certification | Carbon Reduce Certified Certificate Number: 2023017J Meets the requirements of Carbon Reduce certification having measured its greenhouse gas emissions in accordance with ISO 14064 Part 1 2018 and is committed to managing and reducing its emissions in respect of its operational activities. |

PRODUCT CERTIFICATION

| | |
|-------------------------------|--|
| BS EN 877:1999+A1:2006 | Ensign/EEZI-FIT Cast iron pipes and fittings, their joints and accessories for the evacuation of water from buildings. Requirements, test methods and quality assurance. Certificate Number: KM51733 |
| BS 416-2:1990 | Timesaver Soil Discharge and ventilating pipes and fittings, sand-cast or spun in cast iron. Specification for socketless systems Certificate Number: KM06979 |
| BS 437:2008 | Timesaver Drain Specification for cast iron drain pipes, fittings and their joints for socketed and socketless systems Certificate Number: KM06980 |



CONTACTS



ALL CONTACT DETAILS BELOW ARE
CLICKABLE FOR INSTANT ACCESS

Sales Managers

CLICK OR SCAN THE QR CODE
TO FIND YOUR LOCAL SALES MANAGER
TEL: 01952 262500



Technical Team

General technical enquiries and stock checking
technical.pambuilding@saint-gobain.com | Tel: 01952 262529



Customer Service Team

Available to help you Mon to Fri between 8.30am-5pm
Order processing and order updates
orders.pambuilding@saint-gobain.com | Tel: 01952 262508



After Sales

If you have concerns about anything after
you've received your order, please let us know

01952 262520
aftersales.pambuilding@saint-gobain.com



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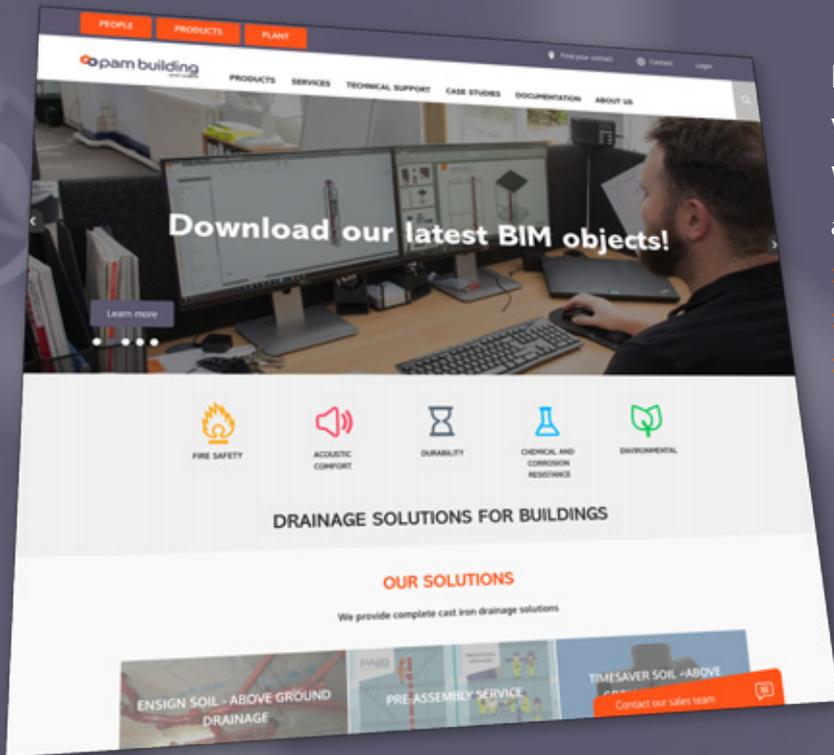


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For further information please visit our new website at www.pambuilding.co.uk and find...

- > Links for technical help
- > Quick access to our contact details
- > Access to all product data sheets

Please visit our website:
www.pambuilding.co.uk to download electronic versions or to request hard copies of any of our brochures.

Orders & Customer Services:
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The information given in this literature is, to the best of our knowledge, correct at the time of production. However, PAM Building is constantly looking at ways of improving our products and services and therefore reserve the right to change, without prior notice, any of the data contained in this publication. Any orders placed will be subject to our Standard Conditions of Sale, available on request.



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