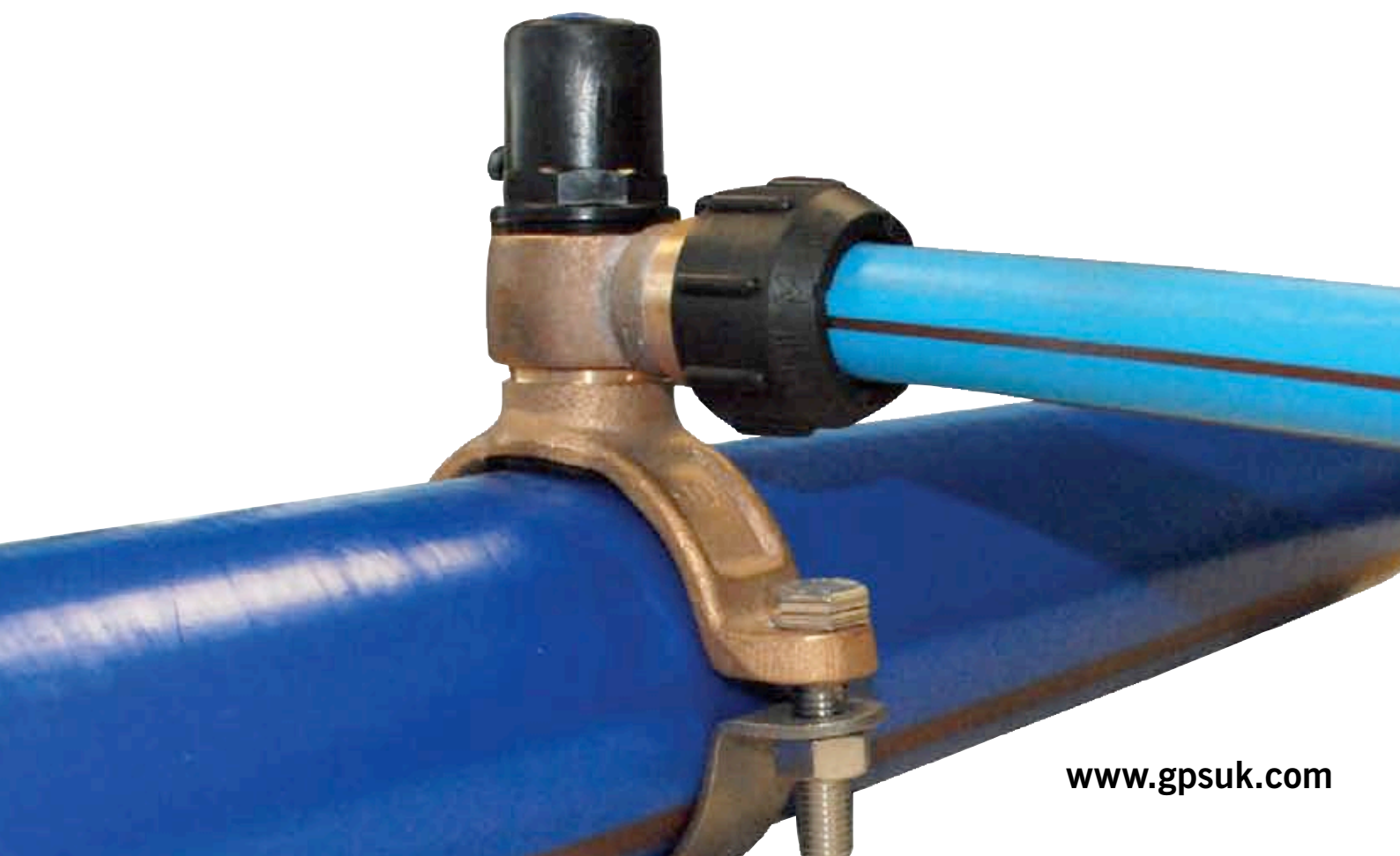




PROTECTA-LINE

FERRULE OFF-TAKES

For no compromise off-take connections



No compromise live off-takes from Protecta-Line mains

Protecta-Line saddle ferrules enable live off-takes from Protecta-Line mains without any flow restrictions. They have been specifically designed to provide ease of installation and ensure that ground contaminants will not enter the water supply.

Smart Design

Each ferrule incorporates a liner sleeve, which is inserted into the hole drilled or tapped in the pipe wall, securely sealing against the inside of the saddle body. The insert sleeve is self-locking and features a water quality approved nitrile captive seal, which ensures there is no contact between the pipe's aluminium barrier layer and the drinking water supply.

The significant headlosses, often associated with ferrule off-takes, are minimised thanks to the banjo and stem design which optimises the off-take flow.

Features & Benefits

- No disruption to water supply
- Secure isolation of drinking water from ground contaminants
- No wrapping or pipe preparation required
- Excellent headloss and flow characteristics
- Simple to fit to live mains
- Proven mechanical compression end connectors
- All weather installation

Approvals

- WRAS approved
- Kitemarked to WIS 4-32-19
- Flow tested to WIS 4-22-02

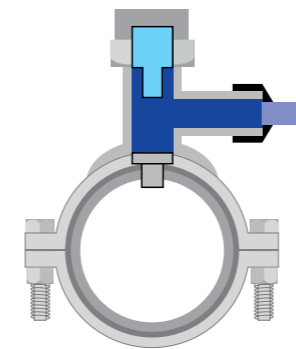


New integrated connector design



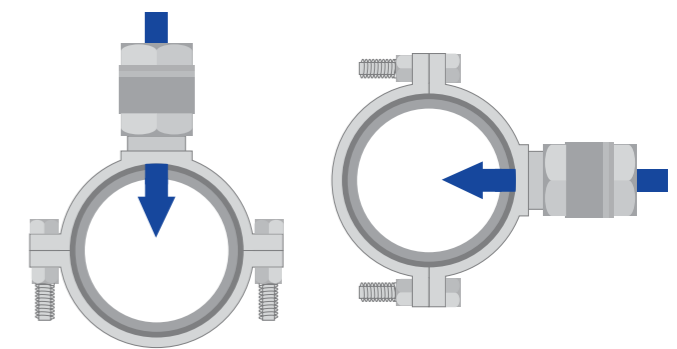
Protecta-Line Self-Tapping Ferrule Off-Take

Outlet sizes: 25mm and 32mm
Mains sizes: from 63mm to 355mm
Cutting: a hole in the mains pipe wall is cut with a simple self-tapping action by an integral DZR brass cutter.



Protecta-Line Ferrule Off-Take

Outlet sizes: 63mm
Mains sizes: from 90mm to 355mm
Cutting: a hole in the mains pipe wall is drilled with a manual drilling rig or electric drill.



Joining instructions are supplied with fittings and also referenced in our Protecta-Line Product & Technical Guide.

Ease of Installation

The ferrules are user friendly and suitable for all weather installation. Whether self-tapping or drilling action is used for cutting, cutting is rapid and no wrapping is required. As the ferrules can be installed while the main is at normal working pressure, there is no disruption to the supply when adding a connection.

Each ferrule is supplied with a robust Protecta-Line end connector fitting to ensure complete safety and fast installation. 63mm ferrule off-take can be installed either vertically or horizontally.

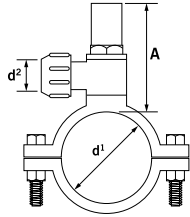
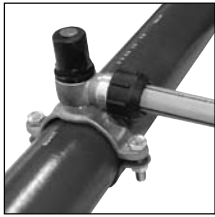
Protecta-Line Benefits

Protecta-Line is the UK's leading barrier system, which safely transports drinking water through contaminated land. Specified as standard for contaminated sites by many water companies and developers, Protecta-Line stands for a fully secure system:

- Effective barrier against all recognised contaminants
- Long-term security of supply
- All the installation benefits of polyethylene – a lightweight, flexible material that is fast and easy to install
- Excellent lifetime cost savings

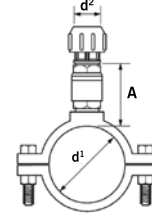
Product Codes and Dimensions

25mm and 32mm Self-Tapping Ferrule Off-Takes (for 63mm to 355mm Protecta-Line mains)



Size (mm) d ¹ x d ²	Blue Code	A (mm)	Weight (kg)
63 x 25	44 762 412	95	0.9
90 x 25	44 762 393	95	1.1
110 x 25	44 762 394	95	1.1
125 x 25	44 762 395	95	1.2
160 x 25	44 762 397	95	1.3
180 x 25	44 762 398	95	1.4
225 x 25	44 762 400	95	1.9
250 x 25	44 762 401	95	2.3
280 x 25	44 762 402	95	2.5
315 x 25	44 762 403	95	3.2
355 x 25	44 762 404	95	3.3
63 x 32	44 762 415	100	1.3
90 x 32	44 762 417	100	1.4
110 x 32	44 762 418	100	1.4
125 x 32	44 762 419	100	1.5
160 x 32	44 762 421	100	1.6
180 x 32	44 762 422	100	1.7
225 x 32	44 762 424	100	2.2
250 x 32	44 762 425	100	2.6
280 x 32	44 762 426	100	2.8
315 x 32	44 762 427	100	3.5
355 x 32	44 762 428	100	3.6

63mm Ferrule Off-Takes (for 90mm to 355mm Protecta-Line mains)



Fitting includes
1 x 63mm PE x Male Iron
BSP Tapered End Connector

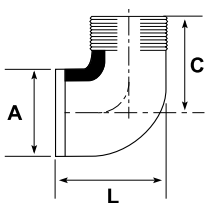
Size (mm) d ¹ x d ²	Blue Code	A (mm)	Weight (kg)
90 x 63	44 762 459	155	3.4
110 x 63	44 762 460	155	3.8
125 x 63	44 762 461	155	3.8
160 x 63	44 762 463	155	3.8
180 x 63	44 762 464	155	3.9
225 x 63	44 762 466	155	5.0
250 x 63	44 762 467	155	5.1
280 x 63	44 762 468	155	5.3
315 x 63	44 762 469	155	5.0
355 x 63	44 762 470	155	6.1

Accessories

Item	Blue Code
Protecta-Line 2" Drill Head	44 794 003
Protecta-Line 2" Liner Head	44 794 004
Protecta-Line Drill/Liner Head O-Ring Kit*	44 996 062

* O-Ring Kit enables user to service one Drill Head or one Liner Head.

90° Gunmetal Elbows, FI/MI (for use with 63mm Ferrule Off-Takes)



Size mm x inch	Blue Code	A (mm)	C (mm)	L (mm)	Weight (kg)
63 x 2	44 996 050	72	70	90	0.9

Only Protecta-Line fittings shall be used with Protecta-Line pipe. The use of alternative fittings will have the following effects on your Protecta-Line system:

- Invalidation of WRAS approval and manufacturers system performance warranty.
- Compromised permeation resistance (causing non-compliance with WIS 4-32-19 and possible risks to health).
- Danger of pipe-layer delamination, compromising system performance integrity and risking pipe bursts.
- It would be illegal to install non-WRAS approved fittings.



WIS 4-32-19
KM 514626

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Please contact our Sales Office for specific details.

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