

blackline^{HP}

20 & 25 BAR - PE 100 PRESSURE PIPE

| Code Explanation | | | |
|------------------|----------------------|--------------|--|
| Product Code | Pressure Class | Black Stripe | |
| 3500.63PN25.100B | 25 | | |
| OD (mm) | Coil Length (metres) | | |



Product Code 3500 B Series

Compliance

Iplex BLACKLINE HP is a metric OD dimension, PE 100 polyethylene pressure pipe, manufactured in New Zealand, in accordance with AS / NZS 4130, using a Quality Management System accredited to AS/ISO 9001

Features:

- BLACKLINE HP is rated to either 20 Bar or 25 Bar in 63mm, 90mm or 110mm OD diameters.
- BLACKLINE HP is suitable for use with in-line, bloat treatment dispensing systems.
- BLACKLINE HP is safe for use with potable water
- BLACKLINE HP is available in two different coil lengths (50, or 100 metres) to suit a range of applications.

Applications:

- Rural Stock Water Supply

Fittings and Connections:

- Iplex recommends the use of BLACKLINE HP Ductile Iron mechanical fittings, which are designed to join PE 100 pipe for pressure ratings up to PN 25 (25 Bar) . *Note: BLACKLINE HP fittings are not intended for use on other types of pipe.*
- BLACKLINE HP pipes may be connected to other types of pipes with BLACKLINE HP Transition Couplers combined with either Male Threaded Adaptors, or Universal Flange adaptors.

Design and Installation:

BLACKLINE HP should be installed in accordance with

- AS / NZS 2033 Installation of Polyethylene pipe systems,
- Iplex Pipelines Guideline "How I Install PE Pipes" - available on line from the Resources section from the Iplex NZ Website

Ductile Iron Fittings: Assembly Instructions



1. Marking: Use a pen and tape measure to place marks 25mm from the end of each pipe.



2. Gasket Mounting: Using a silicone based lubricant; slip the gasket over the pipe ends and center the gasket between the marks. Ensure the pipe ends are squarely and accurately butted together.



3. Fitting Assembly: Place the housing over the gasket and insert bolts. Then tighten the nuts by hand.



4. Tightening Nuts: Using an appropriate tool, tighten the nuts sequentially until the fittings' housing bolt pads meet, metal to metal.

Specifications - Fittings

| Product Code | Description | Pipe OD (mm) | | | |
|--------------|-------------|--|----------|-------------|---|
| | DIC63PE | Ductile Iron Coupling 63mm PN25 | 63 | | |
| | DIC90PE | Ductile Iron Coupling 90mm PN25 | 90 | | |
| | DIC110PE | Ductile Iron Coupling 110mm PN25 | 110 | | |
| Product Code | Description | Pipe OD (mm) | | | |
| | DITC63PE | Ductile Iron Transition Coupling 63mm PN25 | 63 | | |
| | DITC90PE | Ductile Iron Transition Coupling 90mm PN25 | 90 | | |
| | DITC110PE | Ductile Iron Transition Coupling 110mm PN25 | 110 | | |
| Product Code | Description | Pipe OD (mm) | | | |
| | SSMTA50 | Stainless Steel Male Threaded Adapter 50mm BSP PN25 | 63 x 2" | | |
| | SSMTA80 | Stainless Steel Male Threaded Adapter 80mm BSP PN25 | 90 x 3" | | |
| | SSMTA100 | Stainless Steel Male Threaded Adapter 110mm BSP PN25 | 110 x 4" | | |
| Product Code | Description | Pipe OD (mm) | PCD (mm) | Hole Number | |
| | DIUFA50 | Ductile Iron Universal Flange Adapter 50mm PN25 | 63 | 120 - 125 | 4 |
| | DIUFA80 | Ductile Iron Universal Flange Adapter 80mm PN25 | 90 | 150 - 160 | 8 |
| | DIUFA100 | Ductile Iron Universal Flange Adapter 100mm PN25 | 110 | 175 - 191 | 8 |

Iplex Blackline HP - Product range

| | Blackline HP PN20 (3500 B Series) | | Blackline HP PN25 (3500 B Series) | | |
|--------------------------------|--------------------------------------|-------|--------------------------------------|-------|-----|
| | Bar | PSI | Bar | PSI | |
| Pressure Rating* | 20 | - | - | - | |
| | 25 | - | - | - | |
| | 32 | - | - | - | |
| | 40 | - | - | - | |
| | 50 | - | - | - | |
| | 63 | 20 | 290 | 25 | 363 |
| | 75 | - | - | - | - |
| | 90 | 20 | 290 | 25 | 363 |
| | 110 | 20 | 290 | 25 | 363 |
| | Mean Internal Diameter (mm) | 20 | - | - | - |
| 25 | | - | - | - | |
| 32 | | - | - | - | |
| 40 | | - | - | - | |
| 50 | | - | - | - | |
| 63 | | 48.2 | | 45.01 | |
| 75 | | - | - | - | - |
| 90 | | 69.01 | | 64.5 | |
| 110 | | 84.5 | | 78.6 | |
| Standard Coil Sizes (M) | | 25 | - | - | - |
| | 50 | ✓ | | ✓ | |
| | 100 | ✓ | | ✓ | |
| | 200 | - | - | - | - |
| | Bloat-treatment resistant | ✓ | | ✓ | |
| | PE100 | ✓ | | ✓ | |

Mole-plough Installation

These pipes can be installed by the mole-plough method providing that the mole-plough is specifically designed and maintained for this application and will not subject the pipe to stretching, scoring or any other damage during installation.



Mole Plough installation of Iplex Blackline pipes.