

# blackline<sup>HP</sup>

20 & 25 BAR - PE 100 PRESSURE PIPE

Code Explanation			
Product Code	Pressure Class	Black Stripe	
3500.63PN25.100B	25	Black Stripe	
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

## Blackline HP - Product range

	Blackline HP PN20 (3500 B Series)		Blackline HP PN25 (3500 B Series)		
	Bar	PSI	Bar	PSI	
<b>Pressure Rating*</b>	20	-	-	-	
	25	-	-	-	
	32	-	-	-	
	40	-	-	-	
	50	-	-	-	
	63	20	290	25	363
	75	-	-	-	-
<b>Mean Internal Diameter (mm)</b>	90	20	290	25	363
	110	20	290	25	363
	20	-	-	-	-
	25	-	-	-	-
	32	-	-	-	-
	40	-	-	-	-
	50	-	-	-	-
<b>Standard Coil Sizes (M)</b>	63	48.2	45.01		
	75	-	-		
	90	69.01	64.5		
	110	84.5	78.6		
	25	-	-		
<b>Pipe Material</b>	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.