



Plumbing & Drainage

Twinwall Multi-Fittings



Twinwall Surface Water Drainage

- 24 BBA Approved Twinwall Multi-Fittings Available
- Compatible with Relevant BBA Approved Polyethylene Twinwall Pipes
- Couplers, Sealing Rings, Road Gullies, Reducers and Pipes also Available

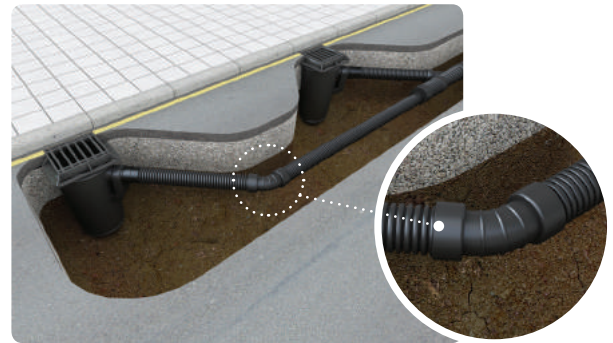
Twinwall Surface Water Drainage Multi-Fittings



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Brett Martin Plumbing and Drainage are now manufacturing and supplying a versatile range of BBA certified Twinwall Surface Water Drainage Multi-Fittings. One of the main benefits is the compatibility of the Brett Martin Multi-Fittings with other relevant manufacturer's Polyethylene (PE) Twinwall BBA approved pipes and the certificate still covers the whole system. The wide ranging choice available from Brett Martin, consists of 24 Multi-Fittings designed to fit various compatible BBA-certified 150mm, 225mm and 300mm Polyethylene Twinwall drainage pipes (see compatibility list).

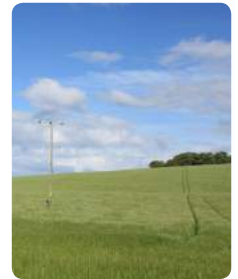
Brett Martin's range of Twinwall Multi-Fittings are a massive gain in convenience bringing simplicity in ordering and stocking whilst the installation process is also aided by excellent quality, design and manufacturing benefits that can be used in a number of applications.



APPLICATIONS:

Suitable for a variety of surface water and land drainage applications:

- Highway Drainage
- Agricultural Drainage
- Rail and Airport Drainage
- Landfill Drainage
- Carrier Drains
- Culverts



Design Benefits:



SOCKETS

- Triple socket junctions and double socket bends allow the fittings to be easily connected and assembled
- Rotationally moulded fittings with controlled tolerances means that the fittings are manufactured to exacting standards. This allows for accurate and consistent internal socket diameters for convenience in installation
- Double moulded sockets on the fittings are excellent for compression resistance and also provide the user with consistent socket sizes
- Smooth bores throughout each fitting provide added convenience at the installation stage
- Smooth walled tapered sockets are designed to aid jointing at the installation stage



FITTINGS







- Lightweight and robust allows for easier handling making installation quicker and easier than non plastic fittings - weighing 94% lighter than concrete also reduces health and safety risks
- All manufactured from Polyethylene (PE) which is resistant to naturally occurring chemicals and is therefore suitable for use in the majority of soil conditions
- Twinwall fittings are available from stock ensuring a prompt delivery service throughout the UK and Ireland
- Stamped with product code for clear identification
- Fittings have been awarded BBA Approval (Certificate Number 10/H168): this enables Brett Martin Twinwall fittings to be combined with any relevant manufacturer's polyethylene Twinwall pipes and the certificate will still cover the whole system
- Manufactured to BS EN ISO 9001:2008









BODY











- Tough, ribbed body ensures an extremely rigid and durable product which has excellent resistance to deformation
- The ribbed exterior stiffens and strengthens the body in order for it to take higher compressive loads and keep its long term shape
- The system will have a service life in excess of 50 years
- Smooth inner surface assists the hydraulic flow through the fitting

Twinwall Multi-Fittings

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Nominal Size 150mm	Product Code	Product Description	Weight (kg)
 1TB15  1TB30  1TB45  1TB90  1TT90  1TY45	1TB15	150mm 15° Double Socket Bend	1.4
	1TB30	150mm 30° Double Socket Bend	1.5
	1TB45	150mm 45° Double Socket Bend	1.8
	1TB90	150mm 90° Double Socket Bend	2.0
	1TT90	150mm x 150mm x 150mm 90° Triple Socket Branch	2.5
	1TY45	150mm x 150mm x 150mm 45° Triple Socket Branch	2.8

Nominal Size 225mm	Product Code	Product Description	Weight (kg)
 2TB15  2TB30  2TB45  2TB90  2TY145  2TY45  2TT190  2TT90	2TB15	225mm 15° Double Socket Bend	3.5
	2TB30	225mm 30° Double Socket Bend	4.0
	2TB45	225mm 45° Double Socket Bend	4.5
	2TB90	225mm 90° Double Socket Bend	5.0
	2TY145	225mm x 150mm x 45° Triple Socket Branch	6.2
	2TY45	225mm x 225mm x 45° Triple Socket Branch	7.0
	2TT190	225mm x 150mm x 90° Triple Socket Branch	6.2
	2TT90	225mm x 225mm x 90° Triple Socket Branch	6.5

Nominal Size 300mm	Product Code	Product Description	Weight (kg)
 3TB15  3TB30  3TB45  3TB90  3TY145  3TY245  3TY45  3TT190  3TT290  3TT90	3TB15	300mm 15° Double Socket Bend	6.0
	3TB30	300mm 30° Double Socket Bend	6.5
	3TB45	300mm 45° Double Socket Bend	7.0
	3TB90	300mm 90° Double Socket Bend	8.3
	3TY145	300mm x 150mm x 45° Triple Socket Branch	9.5
	3TY245	300mm x 225mm x 45° Triple Socket Branch	10.5
	3TY45	300mm x 300mm x 45° Triple Socket Branch	13.0
	3TT190	300mm x 150mm x 90° Triple Socket Branch	8.0
	3TT290	300mm x 225mm x 90° Triple Socket Branch	10.0
	3TT90	300mm x 300mm x 90° Triple Socket Branch	11.0

Couplers, Sealing Rings, Road Gullies and Reducers

Brett Martin also have a comprehensive range of couplers, sealing rings, road gullies and fabricated reducers available:

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Product	Nominal Size (mm)	Product Code	Product Description
Couplers and Sealing Rings	150mm	1TC	Coupling
		1TSR	Sealing Ring
	200mm	2TC	Coupling
		2TSR	Sealing Ring
	300mm	3TC	Coupling
		3TSR	Sealing Ring
	375mm	37TC	Coupling
		37TSR	Sealing Ring
	450mm	45TC	Coupling
		45TSR	Sealing Ring
	600mm	60TC	Coupling
		60TSR	Sealing Ring
Reducers (Fabricated)	225mm x 150mm	2TR1	Reducer
	300mm x 150mm	3TR1	Reducer
	300mm x 225mm	3TR2	Reducer
	150mm x 110mm	1TR4	Reducer
	225mm x 110mm	2TR4	Reducer
	225mm x 160mm	2TR6	Reducer
	300mm x 160mm	3TR6	Reducer
Road Gullies	750mm x 375mm x 178mm	1TRG750	Spigot Road Gully
	750mm x 450mm x 178mm	1TRG840	Spigot Road Gully
	900mm x 450mm x 178mm	1TRG900	Spigot Road Gully
	178mm x 160mm	1TRGI60	Outlet Adaptor



Couplers



Sealing Rings



Adapter



Road Gullies

Twinwall Pipe

A range of Twinwall Surface Water Pipe in 150mm – 600mm diameters.

Available in non-perforated, half perforated and perforated options.



Nominal Size (mm)	Product Code	Product Description
150mm	1TP6	6m Non-Perforated Pipe
	1TPP6	6m Perforated Pipe
	1THPP6	6m Half Perforated Pipe
225mm	2TP6	6m Non-Perforated Pipe
	2TPP6	6m Perforated Pipe
	2THPP6	6m Half Perforated Pipe
300mm	3TP6	6m Non-Perforated Pipe
	3TPP6	6m Perforated Pipe
	3THPP6	6m Half Perforated Pipe
375mm	37TP6	6m Non-Perforated Pipe
	37TPP6	6m Perforated Pipe
450mm	45TP6	6m Non-Perforated Pipe
	45TPP6	6m Perforated Pipe
600mm	60TP6	6m Non-Perforated Pipe
	60TPP6	6m Perforated Pipe

***If you use Brett Martin fittings with a particular manufacturer's pipe, you must use that manufacturer's seals and couplers**

Brett Martin Twinwall Fittings Range Compatibility Chart

List of BBA-certificated polyethylene twinwall pipes and associated seals suitable for use with Brett Martin Twinwall Drainage Fittings described in BBA Certificate 10/H168



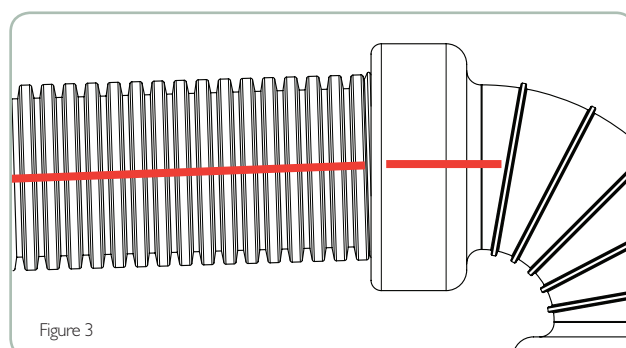
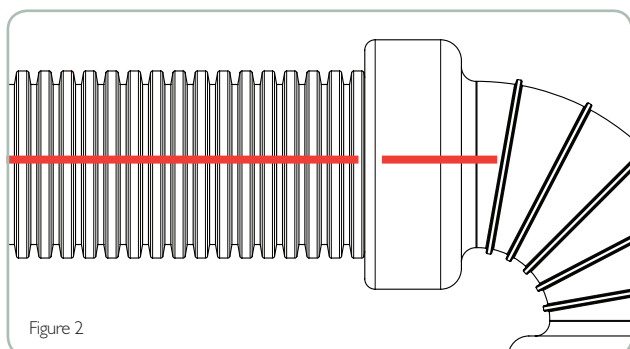
BBA Certificate Number ⁽¹⁾ , Product/Detail Sheet Number	Manufacturer	Sheet Issue Number/Date	Nominal size of pipe (mm)
02/H068, PSI ⁽²⁾	Polypipe	Second issue 16 June 2008	150, 225, 300
08/H138, PSI ⁽²⁾	Polypipe	First issue 2 October 2008	150, 225, 300
08/H069, PSI ⁽²⁾	JFC	First issue 18 July 2011	150, 225, 300
02/H070, PSI ⁽²⁾	Wavin	First issue 19 October 2009	150, 225, 300
09/H145, PSI ⁽²⁾	Naylor Drainage	Third issue 22 July 2010	150, 225, 300
07/H130, PSI ⁽²⁾	Cherry	First issue 30 April 2008	150, 225, 300

(1) Readers should ensure they are using the current Certificate and Product/Detail Sheet by visiting the BBA website: www.bbacerts.co.uk on which these documents are available.

(2) The Certificate number and Product Sheet number are found on the top right of the front page of the Certificate and the issue number and date of issue are on the bottom left of the front page of the Certificate.

Assembly of Twinwall Pipe and Fittings

1. Always use the pipe manufacturers recommended seal.
2. On the pipe, lubricate the groove between the ribs into which the seal will be inserted. Industry recommended lubricants should be used, such water based gel or fluid, or a silicone spray.
3. Follow the pipe manufacturers recommendations into which groove the seal should go i.e. between the 1st and 2nd rib or between the 2nd and 3rd rib. We would always recommend between the 1st and 2nd rib as this ensures the seal reaches greatest depth in the socket (see Figure 1).
4. Lubricate the inside of the socket using industry recommended lubricants.
5. Put the end of the pipe into the socket mouth.
6. **Line up the axis of the pipe with the axis of the socket i.e. get the pipe and socket in a straight line (Figure 2).**



7. If any difficulty is encountered, start with the pipe at a slight angle to the socket, this will give a small lead for the seal into the socket (Figure 3).
8. Push the pipe into the socket until it is inserted to maximum depth.
9. If mechanical aid is required (bar and lever) place a plate over the end of the pipe to spread the load evenly and prevent damage.



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