



# Adopta

For Drain and Sewer Systems



# Adopta

## The Ultimate Package for Adoptable Sewers, Fittings & Inspection Chambers

Adopta, Brett Martin's range of adoptable sewer pipes and fittings and non-entry inspection chambers provide a robust, dependable sewerage package while ensuring compliance in England, Scotland and Wales.



# Adoptable Sewers

Brett Martin's Adoptable Sewer system includes:

- Structured wall pipe in 110mm and 160mm certified to EN 13476-2 (WIS 4-35-01)
- Solid wall PVC-U pipe in 250mm, 315mm and 400mm diameters certified to EN 1401-1
- A comprehensive range of fittings including couplers, bends and branches, adaptors and plugs which are manufactured or certified to EN 1401-1

The range complies with the relevant provisions of the DCG Guidance for England; Sewers for Adoption 4<sup>th</sup> Edition (SFS4) for Scotland and Sewers for Adoption 7<sup>th</sup> Edition (SFA7) for Wales.

## Applications:

Adopta Adoptable Sewers are for use in new build & refurbishment projects where the drains are required to be adopted by the sewerage or water authority, and are also suitable for non-adoptable applications.

## Key Benefits

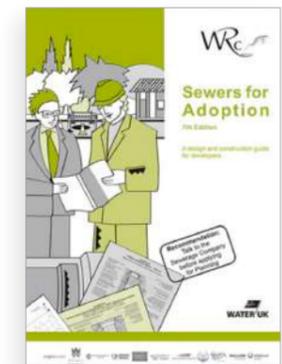
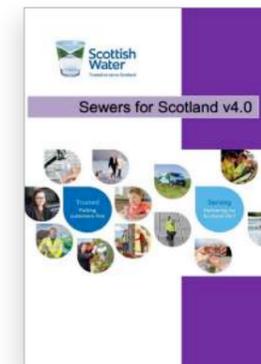


- Comply with guidance documents in England, Scotland and Wales
- Pipe and fittings are manufactured under a quality management system certified to ISO 9001:2015
- Lightweight and simple to install
- Integrated lip seal makes jointing quicker
- Available in 3m and 6m lengths
- Can be used as a substitute for clay in the right application
- Accepted by Water Authorities nationwide



# Guidance QR Codes

Please scan the below QR codes to read the **full guidance**.



Design & Construction Guidance



SFS4 Guidance



Sewers for Adoption 7<sup>th</sup> Edition

For more detailed information on applicable standards, please view our **Compliance Guide**.



Compliance Guide



Kitemark Certificates

# Adopta

## Pipes, Fittings & Accessories

### Pipe - EN1401-1 / EN13476-2

Description	Pipe Diameter			
	160mm	250mm	315mm	400mm
Plain End Pipe 3m	B6001 SN8			
Plain End Pipe 6m	B6011 SN8	B25600	B31600	B40600
Single Socket Pipe 3m	B6603 SN8	B25003	B31003	B40003
Single Socket Pipe 6m	B6606 SN8	B25006	B31006	B40006



Plain End



Single Socket

### Couplers - EN1401-1

Description	Pipe Diameter			
	160mm	250mm	315mm	400mm
Double Socket PVC Coupler	B7001	B25021	B31021	B40021
Double Socket PVC (Slip) Coupler	B7001S	B25022	B31022	B40022



B25021



B25022

### Adaptors & Plugs

Description	Pipe Diameter			
	160mm	250mm	315mm	400mm
Single Socket Level Invert Taper (Reduces To Next Diameter Down)		B25113	B31114	B40115
Socket Plug	B7141	B25141	B31141	B40141
Flat Invert Reducer		B25117	B31120	
End Cap		B25142	B31142	B40142



B25113



B25141



B25117



B25142

### Single Socket Bends - EN1401-1

Description	Pipe Diameter			
	160mm	250mm	315mm	400mm
87½° Single Socket Bend	B7041	B25870	B31870	B40870
45° Single Socket Bend	B7061	B25450	B31450	B40450
30° Single Socket Bend		B25030	B31030	B40030
22½° Single Socket Bend	B7171			
15° Single Socket Bend		B25015	B31015	B40015
11 ¼° Single Socket Bend	B7181			



B25870



B25450



B25015

### Double Socket Bends - EN1401-1

Description	Pipe Diameter			
	160mm	250mm	315mm	400mm
Double Socket Bend 87.5°	B6031	B25587	B31587	B40587
Double Socket Bend 45°	B6041	B25545	B31545	B40545
Double Socket Bend 22½°	B6051			
Double Socket Bend 15°		B25515	B31515	



45°



87.5°

### Double Socket Branches - EN1401-1

Description	Branch Diameter				
	110mm	160mm	200mm	250mm	315mm
160mm x 87½° D/S Branch	B7091	B7111			
160mm x 45° D/S Branch	B7101	B7121			
250mm x 87½° D/S Branch	B25118	B25168	B25208	B25258	
250mm x 45° D/S Branch	B25110	B25160	B25200	B25250	
315mm x 87½° D/S Branch	B31118	B31168	B31208	B31258	B31318
315mm x 45° D/S Branch	B31110	B31160	B31200	B31250	B31315
400mm x 45° D/S Branch		B40160			



B25118



B25110



B25160



B31110

### Triple Socket Branches - EN1401-1

Description	Branch Diameter				
	110mm	160mm	200mm	250mm	315mm
160mm x 87½° T/S Branch	B7092	B6081			
160mm x 45° T/S Branch	B7102	B6091			
250mm x 87½° T/S Branch		B25887	B25987	B25687	
250mm x 45° T/S Branch		B25845	B25945	B25645	
315mm x 87½° T/S Branch	B31787	B31887	B31987		B31687
315mm x 45° T/S Branch	B31745	B31845	B31945		B31645



45°



87.5°

### Solvents & Lubricants

Description	
Solvent Cement 125ml	B9020
Solvent Cement 250ml	B9031
Solvent Cement 250ml	B9021
Silicone Lubricant Spray 400ml	B9555
Solvent Cement 500ml	B9022
Lubricant Gel 0.5kg	B9333
Lubricant Gel 5kg	B9444



Solvent Cement



Lubricant Gel

# Inspection Chambers

Brett Martin offers a comprehensive range of non-entry inspection chambers for drain or sewer systems, manufactured by DYKA. The Axedo range is highly adaptable and suitable for residential, agricultural and industrial applications.

Designed to provide non-man access for maintenance and inspection of pipe systems, our products help ensure the safety of installers, maintenance operatives and engineers by preventing unsafe physical access. The bases can be installed up to 3m deep for adoptable installations across the UK or up to 6m in non-adoptable<sup>1</sup>.

The inspection chamber is manufactured to the highest standards from high-quality polypropylene, ensuring that it is light, strong, and highly resistant to chemicals.

<sup>1</sup>See table on page 7 for further guidance.

## Compliant & Adoptable: Nationwide

The ideal choice for adoptable installations across the UK and Ireland, our inspection chambers are suitable for use as boundary or demarcation chambers and with strong environmental and safety credentials, our range is compliant with the relevant guidance documents across the UK and Ireland. Please see the table on page 7 for further guidance.



## Technical Support

Brett Martin offers full technical support, site visits and assistance with writing specifications.

Get in touch by phone 01246 280000 or email [BPTechnical@brettmartin.com](mailto:BPTechnical@brettmartin.com)



# Environmental Responsibility



## Recycled and recyclable

Chambers and risers are manufactured from at least 40% recycled material and are 100% recyclable.



## Reduced delivery CO<sub>2</sub>

Our chambers are a fraction of the weight of traditional materials, which means that more can be transported in a single delivery, reducing the carbon emissions directly associated with it.

Our product range has a long service life thanks to:



## Chemical resistance

In challenging environments such as brownfield sites, our product will remain in service when other materials may require replacement.

Please contact our technical department for more information on contaminated ground.



## Ground movement

Unlike some other systems, our products combine to make a durable system that can flex with natural ground movement.

It is difficult to predict how the ground can change over decades with drying, contraction or other pressures leading to cracks and fractures in systems. Installing plastic systems allows the pipework and access chambers to adapt to ground conditions, giving your designs a margin of safety for now and the future.



## End of life

Once the product has reached its end of life, you can rest assured that the polypropylene is fit and ready to be recycled into the next generation of plastic products.

# Features & Benefits



## Practical

Weighing 25kg or less, Axedo chambers can be suitable for manual handling, thereby reducing the potential for mechanical handling injuries if a unit slips. Additionally, the robust design limits delays to projects caused by damage to units.



## Sustainable

Our products are lighter to transport, lowering delivery costs. Reducing mechanical handling needs and cutting work hours on-site to install can significantly reduce costs and carbon emissions whilst delivering a long lifespan.



## Adoptable

Strong and lightweight, our inspection chambers are ideal for adoptable residential and agricultural use nationwide, and are specifically designed to facilitate inspection, rodding and jetting of connected pipe systems.



## Safe

Designed to provide non-man access for maintenance and inspection of pipe systems, preventing unsafe physical access.



## Fast

Our inspection chambers are typically faster to install than concrete and are highly configurable to adapt to your projects.

# Adopta

## Chamber Bases, Risers & Accessories

Product Code	Description	
B6240	Axedo 600mmx375/400mm Pt2 Adoptable Chamber Straight	
B6210	Axedo 600mmx160/150mm Pt2 Adoptable Chamber Straight	
B6220	Axedo 600mmx250/225mm Pt2 Adoptable Chamber Straight	
B6230	Axedo 600mmx300/315mm Pt2 Adoptable Chamber Straight	
B6231	Axedo 600mmx315/300mm Pt2 Adoptable Chamber Swept Cross	
B6211	Axedo 600mmx160/150mm Pt2 Adoptable Chamber Swept Cross	
B6221	Axedo 600mmx250/225mm Pt2 Adoptable Chamber Swept Cross	
B4520	Axedo 450mmx110/100mm Pt2 Adoptable Chamber Base	
B4526	Axedo 450mmx160/150mmx110mm Pt2 Adoptable Chamber Base	
B4522	Axedo 450mm Pt2 Adoptable Chamber Riser Shaft Adaptor	
B6270	Axedo Plastic 450mm Dia Pt2 Adoptable Square Lid & Frame	
45TP15	450mmx1.5m Plain End Twinwall Riser	
45TP3	450mmx3m Plain End Twinwall Riser	
60TP15	600mmx1.5m Plain End Twinwall Riser	
60TP3	600mmx3m Plain End Twinwall Riser	
B6280	450mm Dia Round Class B125 Ductile Iron Access Cover	
B6285	450mm x 450mm Square Class B125 Ductile Iron Access Cover	
B6290	600mm x 600mm Square Class D400 Ductile Iron Access Cover	
B25133	Axedo 250mmx225mm Spigot x Socket Twinwall Adaptor	
B25132	Axedo 250mmx150mm Spigot x Socket Twinwall Adaptor	
B31134	Axedo 315mmx300mm Spigot x Socket Twinwall Adaptor	
B31132	Axedo 315mmx150mm Spigot x Socket Twinwall Adaptor	
B31133	Axedo 315mmx225mm Spigot x Socket Twinwall Adaptor	
B7132	Axedo 160mmx150mm Spigot x Socket Twinwall Adaptor	
B7139	Axedo 160mmx150mm Spigot x Socket UltraRib Adaptor	
B25139	Axedo 250mmx225mm Spigot x Socket UltraRib Adaptor	
B31139	Axedo 315mmx300mm Spigot x Socket UltraRib Adaptor	
B4508	450mm to 350mm Twinwall Riser Restriction Ring for use with 45TP15 & 45TP3	
60TR13	600mm to 350mm Restrictor Ring	
60VS	600mm Valley seal for use with 60TP15 & 60TP3 only	

# Inspection Chamber Guidance

An inspection chamber should be installed for access to the system:

- Within 22m of any junction or 45m of another inspection chamber
- Wherever two or more public sewers join
- At the head of each length of drain
- Where pipes change diameter
- At any change of direction, gradient or alignment
- Where cleaning the systems is not otherwise possible



Diameter	450mm	600mm
SFA7	Yes	Yes
DCG	Yes	Yes
SFS4	Yes	Yes
SFA NI	No	No
Irish Water	No	Yes
Certification	BS EN 13598-2 Kitemarked	BS EN 13598-2 Kitemarked
Cover Types	A15, B125, C250, D400	A15, B125, C250, D400
Max Invert Depth (Private Applications)	England/Wales - Up to 6m * Scotland - Up to 1m Northern Ireland - Up to 1m ROI - Up to 1m	Scotland - Up to 1m
Max Invert Depth (Adoptable Applications)	England - Up to 3m ** Wales - Up to 3m ** Scotland - Not Specified	England - Up to 3m ** Wales - Up to 3m ** Scotland - Not Specified ROI - Up to 1.2m
Inlet Sizes	110,160	160, 250, 315, 400
Base Configurations	Swept Cross with 2 x 45° Branches	Swept Cross or Straight

\*350mm restrictor required above 1.2m

\*\*350mm restrictor required above 1m

# Plastic vs Concrete

Plastic inspection chambers (PPICs) are a lighter, safer alternative (typically sub-25kg) to concrete while also providing a long operating life. Precision-engineered PPICs are easy-to-handle, modular systems that are faster to install.

Where man-entry is not required, replacing concrete chambers with plastic chambers can give savings without compromising the drainage system quality or legislative compliance.

The inspection chamber is manufactured to the highest standards from high-quality polypropylene, ensuring that it is light, strong, and highly resistant to chemicals.

## Fast Solution

Our inspection chambers work with our dual-purpose drain and sewer pipe to give one complete solution from 110mm upwards.

Designed to work together, these products keep it simple with only one connection method needed for your entire project, making it ideal for on and off-plot. Not only does this make the system faster and easier to install, but it also simplifies training with just one procedure to learn across the whole range from 110mm to 400mm.



## Compatible System

Brett Martin sewer pipes are supplied with seals pre-installed, saving you time on installation. Light lubrication and a push-fit between the socket and chamfered plain ends is all that is required to make a connection. The same is true for the fittings; lubricate and push-fit, which rapidly creates an airtight network that is fast to install.

Brett Martin provides a complete underground drainage system including drain, attenuation/soakaway crates, sewer and surface water pipework and fittings in diameters from 53.9mm to 600mm, access chambers, gullies, and linear drains manufactured to the highest quality. These systems are suitable for drainage requirements in commercial and residential developments.



# Brett Martin System

## Drain and Sewer Pipes



Light in weight and easy to install, Brett Martin's sewer drainage range includes 110mm, 160mm, 200mm, 250mm, 315mm and 400mm diameters. All drain and sewer pipes are BS EN 1401-1 or BS EN 13476-2 certified. The Brett Martin sewer range features a lip seal within single socket pipe and fittings which is secure against dislodgement and makes jointing easier, ensuring joints remain leak free for years to come. These pipes can be used in either private (non-adoptable) or public (adoptable) applications, please visit our website for further guidance.

## Storm Water Management



StormCrate55 modular cellular crates are used in storm water attenuation and infiltration applications. The crates are designed to be easily stacked together to create a below ground storm water holding tank or to allow the infiltration of storm water into the ground around them. The void created by the crates can then fill up with storm water during heavy rainfall conditions. The collected storm water then drains away slowly into the drainage system when the crate is used for attenuation, or, soaks away slowly into the ground when the crate is used for infiltration.

## Inspection Chambers



Brett Martin also has a full range of inspection chambers ranging from 280mm to 450mm diameters which are suitable for private applications. These offer connection options in 110mm and 160mm and are designed to be installed at depths of up to 3m depending on the chamber selected. Offering adaptable, reliable and safe drainage access, the ideal choice when designing and constructing sewers.

Contact Brett Martin technical for further guidance.

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For the latest information visit  
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