



INSPECTION CHAMBERS

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-adoptable¹.

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

¹See 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.

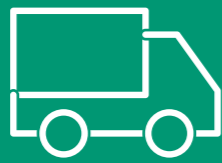
Get in touch by phone 01246 280000 or email BPTechnical@brettmartin.com



Environmental Responsibility



Recycled and recyclable
Manufactured from at least 40% recycled material, and 100% recyclable.



Reduced delivery CO₂
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.



Reduced CO₂ on-site
Other systems can need a greater level of excavation which increases the need for carbon-costly excavators.

Manual handling negates the need for mechanical handling which can be potentially hazardous on-site, expensive to hire and produces unnecessary carbon emissions.

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 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



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



Fast
Needing less excavation and infill, our inspection chambers are typically faster to install than concrete and are highly configurable to adapt to your projects.



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.



Practical
Weighing 25kg or less, Axedo chambers are 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.

Bases & Risers

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	
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	

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 guarantees 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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