

# AXEDO<sup>®</sup>

## INSPECTION CHAMBERS



Nature's **Network**



# AXEDO® Inspection Chambers



JDP is one of the UK's leading merchant manufacturers and a trusted source of world-class water management solutions from civil engineering to residential projects.

AXEDO® is part of the DYKA system for water management and offers a comprehensive range of non-entry inspection chambers for drain or sewer systems. The AXEDO range is highly adaptable and suitable for applications from residential building plots to agricultural and industrial use.

Designed to provide non-man access for maintenance and inspection of pipe systems, AXEDO helps ensure the safety of installers, maintenance operatives and engineers by preventing unsafe physical access.

AXEDO bases can be installed up to 3m deep for adoptable installations across the UK or up to 6m in non-adoptable.

AXEDO is manufactured by DYKA, a sister company of JDP, to the highest standards from high-quality polypropylene, ensuring that it is light, strong, and highly resistant to chemicals.

## Compliant & Adoptable Nationwide

The whole DYKA system, including AXEDO, is the ideal choice for Adoptable installations across the whole of mainland UK. In addition, AXEDO is suitable for use as boundary or demarcation chambers with strong environmental and safety credentials. AXEDO is one complete solution, fully compliant with Sewers for Scotland, Sewers for Adoption (Wales) and Design and Construction Guidance (England).

## Technical Support:

**01228 794445**

**[Technical.Support@jdpipes.co.uk](mailto:Technical.Support@jdpipes.co.uk)**

JDP's Technical Department is on call or just an email away for questions and support with first-class, customer-focused advice. Whether you need a simple take-off or a complete system design, we have the knowledge and experience to help. One of the many reasons JDP customers relish working with us is that our Technical Department can add value to their plans by reducing cost, increasing efficiency or both.

Our AXEDO range is kitemarked to BS EN 13598-2, making it fully adoptable across the UK.



673572



# Features & Benefits

## SAFE

Working in confined spaces, especially underground, is dangerous. AXEDO helps businesses, designers, engineers, and installers to ensure the safety of maintenance and inspection personnel by preventing man-access while facilitating work.

## FAST

Typically 4x faster to install than concrete, AXEDO needs less excavation and infill, and is highly configurable to adapt to your projects. Compared to other solutions, gang hours on-site can be reduced by up to 75%.

## ADOPTABLE

AXEDO is a strong, lightweight solution with high chemical resistance making it ideal for adoptable residential, agricultural, and industrial use nationwide. While reducing man-access increases safety, it does not reduce effectiveness. AXEDO chambers are specifically designed to facilitate inspection, rodding and jetting of connected pipe systems.

## DURABLE

Suitable for manual handling, AXEDO reduces potential mechanical handling injuries if a unit slips. Additionally, robust design limits delays to projects caused by damage to units.

## SUSTAINABLE

AXEDO is lighter to transport, lowering delivery costs, reducing mechanical handling needs and cutting work hours on-site to install. This can significantly reduce costs and carbon emissions while delivering a 100-year lifespan.

## AXEDO 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 with the added environmental benefits of having a lower carbon footprint while delivering and installing.

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



Scan QR code to  
see our AXEDO  
vs Concrete  
video



For more information, visit our website: [www.jdpipes.co.uk](http://www.jdpipes.co.uk)



# Inspection Chamber Guidance

AXEDO is manufactured to the highest standards in our own state-of-the-art factories. This ensures that as merchant-manufacturer, we have the perfect product for you.

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

If man-entry is not required, plastic inspection chambers, such as AXEDO, are faster and safer to install, with lower carbon costs in delivery and mechanical handling.

**1** Within 22m of any junction or 45m of another inspection chamber

**2** Wherever two or more public sewers join





**3** At the head of each length of drain

**4** Where pipes change diameter

**5** At any change of direction, gradient or alignment

**6** Where cleaning the systems is not otherwise possible



				
	AXEDO 200	AXEDO 300	AXEDO 450	AXEDO 600
Diameter (mm)	200	300	450	600
SFA7 Compliance	Type 4	Type 4	Type 3	Type 3
DCG	Type E	Type E	Type D	Type D
SFS4 Compliance	✓	✓	✓	✓
Other Standards	BS EN 1852	Complies with BS EN 13598-2	BS EN 13598-2 kitemarked	BS EN 13598-2 kitemarked
Cover Types	A15, B125	A15, B125	A15, B125, C250, D400	A15, B125, C250, D400
Max. Invert Depth	2.0	2.0	6.0* Max installation depth in adoptable applications is 3m	6.0* Max installation depth in adoptable applications is 3m
Inlet Sizes (mm OD)	110, 160	110, 160	110, 160	160, 250, 315, 400
Base Configurations	Straight	Straight with 45° Double Branch	Swept Cross with 2 x 45° Branches	Swept Cross or Straight



# Sustainability

Sustainable and environmentally responsible design is critical for the built environment. JDP is one of the UK's leading providers of water management solutions with unparalleled expertise in sustainable underground drainage solutions.

AXEDO, part of the DYKA system, can materially reduce the carbon emissions associated with your projects:

**Recycled and recyclable** – DYKA is continually investigating and investing in systems and technology to reduce the environmental impact of its activities and products on the natural world. This has led to the development of the ULTRA3 pipe system, which is manufactured from at least 40% recycled material, and AXEDO, which is also 100% recyclable.

**Reduced delivery CO2** – AXEDO 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 need a greater level of excavation which increases the need for carbon-costly excavators. Additionally, unlike AXEDO, which can be manually handled, other materials require mechanical handling. This can be potentially hazardous on-site, expensive to hire and produces unnecessary carbon emissions.

For more information, visit our website:  
[www.jdpipes.co.uk](http://www.jdpipes.co.uk)



AXEDO has a long service life, typically 100 years or more, thanks to:

**Chemical resistance** – Polypropylene is unaffected by common chemicals, such as hydrogen sulphide and sulphuric acid, given off by effluent, which can erode and degrade other materials. Additionally, in challenging environments, such as brownfield sites or areas with abnormal soil pH, AXEDO will remain in service when other materials require replacement.

**Ground movement** – Unlike other systems, AXEDO and ULTRA3 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 a DYKA system 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** – When AXEDO 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.







We offer free, accredited CPD sessions to share our expertise. **Book or enquire online**

## Fast Solution

AXEDO is a vital part of the DYKA system, working with ULTRA3 dual-purpose drain and sewer pipe to give one complete solution from 110mm upwards. Designed to work together, these DYKA system 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 DYKA system faster and easier to install, but it also simplifies training with just one procedure to learn across the whole range from 110-630mm.

## Compatible with ULTRA3

ULTRA3 pipes are supplied pre-sealed, saving time that would otherwise be spent manually fitting seals or replacing lost ones. Light lubrication and a push-fit between the socket and plain ends is all that is required to make a connection. The same is true for the AXEDO connections; lubricate and push-fit. This rapidly creates an airtight network, which is why the DYKA system is arguably the fastest-to-install solution on the UK market.



There's more to a complete drainage system, and JDP is your one-stop-shop. We have a comprehensive range, including frames and covers (load capacity A15-E600), seating rings, cover slabs, restrictor rings and the twinwall shafts to the AXEDO bases.

All of these products, and more, are available from JDP as standard, with delivery to sites across mainland UK from our 26 strategically placed branches. What's more, our deliveries are 98% on time and delivered in full, helping to keep your projects running smoothly.

The DYKA system with ULTRA3 and its at least 40% recycled content is a great environmental statement, but even JDP's delivery fleet can help reduce your project's carbon footprint. All of our trucks have the latest EURO6 power units, and, with our Masternaut system, we are constantly driving down our carbon emissions.

For more information, visit our website: [www.jdpipes.co.uk](http://www.jdpipes.co.uk)





# The Complete DYKA System



## ULTRA3

ULTRA3 creates a complete system of PVC-U pipe and fittings from 100/110mm to 600/630mm (ID/OD). Providing a direct connection to PPIC and AXEDO® chambers without the use of adaptors. Manufactured with at least 40% recycled material in an intermediary layer of recycled PVC, with virgin PVC inner and outer layers.

## RAINBOX

As geocellular crates, RAINBOX® systems act as an underground reservoir to collect water through drainage systems from storms and persistent rain to prevent flooding. In an attenuation scheme, water is stored within the system and slowly released back into a watercourse or sewer system with the aid of flow controls.

## AXEDO

AXEDO has multiple configuration options, connections to all pipe types and is designed to be installed at depths of up to 6m. Offering adaptable, reliable and safe drainage access, AXEDO is the ideal choice when designing and constructing sewers. Compliant and adoptable nationwide.

## BRANCH NETWORK

Inverness	01463 717818
Inverurie	01467 633332
Broxburn	01506 854626
East Kilbride	01355 235581
Longtown	01228 792391
Birtley	0191 410 9522
Skipton	01756 796180
Knottingley	01977 677000
Manchester	0161 724 2300
Bolton	01204 396052
Alfreton	01773 835104
Wednesbury	0121 558 6076
Northampton	01604 754025

Norwich	01603 931318
Colchester	01206 795555
Cambridge	01223 654310
Havant	02392 473437
Ashford	01233 618323
Berkhamsted	01442 874692
Isle of Wight	01983 537250
Carmarthen	01267 220656
Hereford	01432 376752
Yate	01454 323000
Avonmouth	01179 380138
Dorchester	01305 853887
Launceston	01566 777081

### Sales & Products

✉ [sales@jdpipes.co.uk](mailto:sales@jdpipes.co.uk)

### Technical Support

☎ 01228 794445

✉ [technical.support@jdpipes.co.uk](mailto:technical.support@jdpipes.co.uk)

### General Enquiries

☎ 01228 791503

✉ [contact@jdpipes.co.uk](mailto:contact@jdpipes.co.uk)

### Online

🌐 [www.jdpipes.co.uk](http://www.jdpipes.co.uk)

🐦 [@jdpipes\\_co\\_uk](https://twitter.com/jdpipes_co_uk)

📘 [/JDPipes.co.uk](https://www.facebook.com/JDPipes.co.uk)

With JDP manufacturing partners:



REV8-0722

JDP is more than just a merchant. As part of Tessenenderlo Group, a worldwide organisation operating across 21 countries, our manufacturing capabilities, technical knowledge and extensive product knowledge makes us one of the leading experts in your industry.

By continuing to invest in extensive stock levels to ensure local availability of our product range, and combining expertly trained staff, our own specially designed vehicle fleet, a dedicated in-house Technical Support team and a growing nationwide network of branches, JDP is always close to the project and ready to serve.

© JDP

John Davidson (Pipes) Ltd, Townfoot, Longtown, Carlisle, Cumbria, CA6 5LY

Tel: 01228 791503 Email: [contact@jdpipes.co.uk](mailto:contact@jdpipes.co.uk) Web: [www.jdpipes.co.uk](http://www.jdpipes.co.uk)

Registered in Scotland No. SC050397

Kintore Business Park, Inverurie, Aberdeenshire, AB51 0YQ



Nature's Network



● Locate your local JDP branch at  
[www.jdpipes.co.uk/branches](http://www.jdpipes.co.uk/branches)