



POLYPIPE
CIVILS LTD

RIDGIDRAIN

ADVANCED DRAINAGE SYSTEM
CATCHPITS, CHAMBERS & MANHOLES

ENGINEERING EXCELLENCE



- AN UNRIVALLED RANGE OF
- CATCHPITS
- MANHOLES
- INSPECTION CHAMBERS
- STORMWATER RETENTION
- SOAKAWAYS
- VALVE & PUMP CHAMBERS
- SAMPLING CHAMBERS

POLYPIPE CIVILS LIMITED... INNOVATION AND EXCELLENCE

Polypipe Civils Limited is firmly established as the UK's leading supplier of ducting and drainage systems to the construction, civil engineering and agricultural industries. Having successfully integrated the companies from which it was formed, Polypipe Civils has set the benchmark for innovation and engineering excellence.

Our highest priority is the innovation and development of new and existing products with a continued dedication to the highest standards of quality and customer service. Large research and development and technical support teams have been put in place to support the launch of an ever increasing number of new products to the industry.

Recent new product developments at Polypipe Civils include

- Clearwater environmental systems
- The Ridgidrain Advanced Drainage System
- Integrally socketed 750mm and 900mm twin wall Ridgi-XL
- The revolutionary Polydry system
- A range of holding tanks and soakaways
- Ducted access systems
- Expanded range of surface water gullies
- Enhanced range of injection moulded fittings and adaptors

Polypipe Civils is committed to an ongoing programme of substantial capital investment and will continue to offer the most advanced and diverse range of products to the industry, manufactured to the highest quality and independently certified to British and European standards.



Research & Development Laboratory



NAMAS pipe testing laboratory



TESTING No. 1671

INTRODUCTION



Rising sections or single piece manholes are easily cut to the required length



Rising section keys into the manhole base section



Cover slab and cover placed in the traditional way



Pipe connected to integral socket on the manhole base

RIDGIDRAIN ADS

Nominal size	ID mm	OD mm	Material
100	100	118	HDPE
150	150	177	HDPE
225	225	266	HDPE
300	300	351	HDPE
375	375	435	HDPE
400	400	460	PP
450	450	514	PP
500	500	571	PP
600	592	675	PP

RIDGI-XL

750	766	883	PP
900	914	1040	PP
1050	1050	1200	PP

Fabrications in diameters up to 3 metres are available in structured wall pipes with smooth inner and outer surfaces.

RIDGIDRAIN ADS PRODUCTS OFFER BENEFITS INCLUDING

- Structured wall design for a high ring stiffness
- Enhanced resistance to differential settlement. Rocker pipes are only required in exceptional circumstances
- Lower weight for reduced health and safety risks and ease of transport, handling and installation. Ridgidrain pipes have a weight less than 6% of the equivalent size of concrete pipe
- Excellent ultraviolet light, impact and abrasion resistance properties
- Very low friction inner wall for far superior hydraulic performance
- Easily cut to length without special tools
- Excellent chemical resistance, including sulphates detrimental to ordinary concrete
- Use of higher performance, virgin polymers for the pipe inner wall
- Versatility & adaptability
- Fully sealed systems

PRODUCTS ARE AVAILABLE

- Sealed or unsealed
- In single piece or segmented construction
- With step irons to BS 1247
- To standard designs or to customer specification

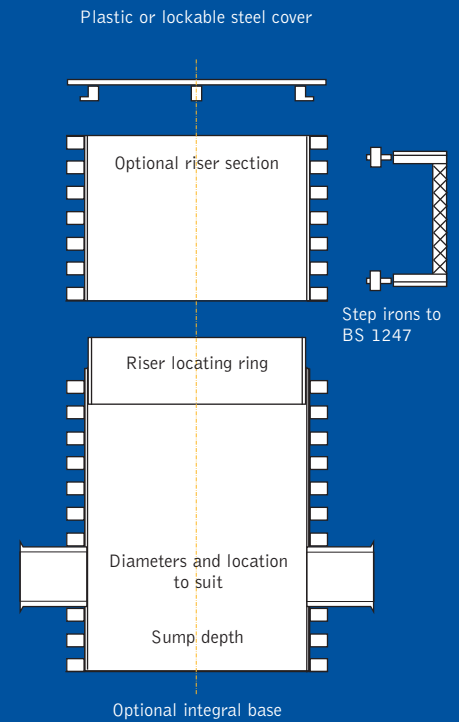
Virtually the complete Ridgidrain range can be fabricated into catchpits, manholes or chambers to suit customer specifications. All are suitable for direct connection to Polypipe products with adapters available for virtually any pipe system.

THE BENEFITS



Ridgidrain catchpits have been widely and successfully used for applications including railway drainage, highway drainage and oil containment systems. Catchpits are manufactured to standard designs or to customer specifications.

SYSTEM COMPONENTS



Catchpits are available with integral bases or for installation on in-situ concrete



Step irons to BS 1247

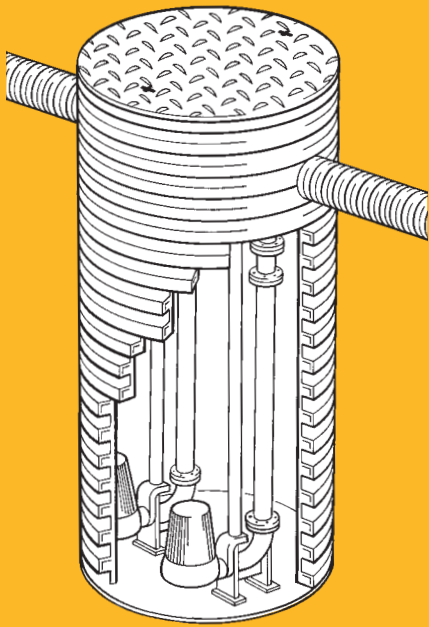
Catchpits are available with various diameter and angle connections



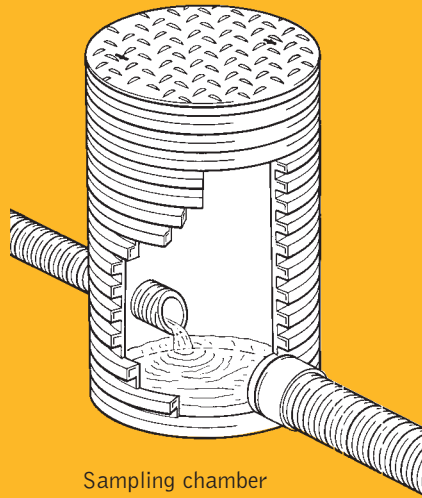
Please supply the following information on enquiry or order placement

- Integral base or plain ended
- Sump depth
- Number, sizes, types and locations of connections
- Sealed or unsealed construction
- Step irons or plain walled
- Single piece or segmented
- Depth of catchpit section(s)
- Type of cover if required

CATCHPITS



Valve/Pump chamber



Sampling chamber



Large diameter Ridgidrain pipes are ideal for vertical or horizontal soakaways or for stormwater retention systems.



Inspection chambers, covers and frames

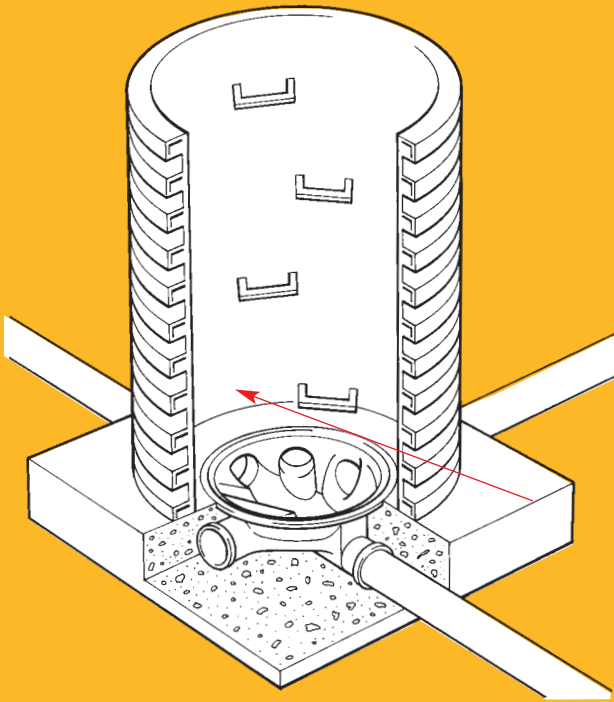


Integrally socketed bases are supplied complete with ring seals to accept 110mm and 160mm BS4660 pipe and adaptors are available to connect to the Ridgidrain system and other materials. Covers and frames comply to a Class C rating, except products coded UG519 and UG544 which comply to Class A+.



The excellent chemical resistance of Ridgidrain makes it suitable for landfill and contaminated land applications.

CHAMBERS



Pre-formed base with 1050mm Ridgidrain riser



A wide selection of pre-formed chamber bases

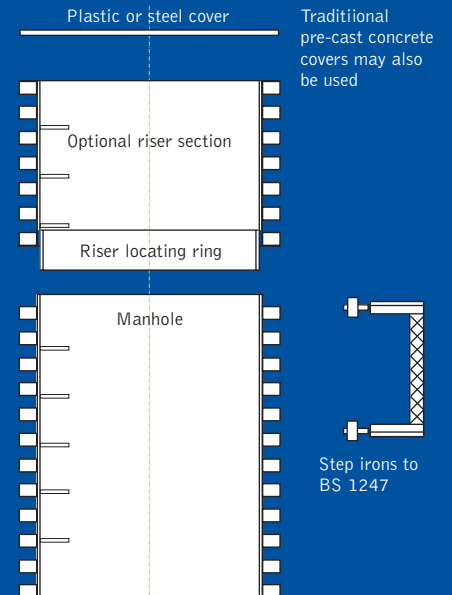


Manhole units can be easily handled on site

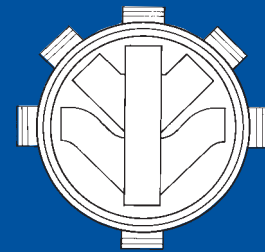
Ridgidrain manholes can be connected to virtually any pipe system



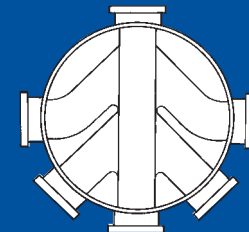
SYSTEM COMPONENTS



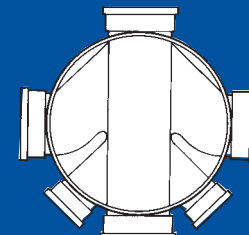
Manholes can be fabricated with the moulded bases below or installed on in-situ concrete



UG616 Manhole base
750mm diameter with 160mm inlets



UG440 Manhole base
460mm diameter with 110mm inlets



UG670 Manhole base
460mm diameter with 110 & 160mm inlets

Please supply the following information on enquiry or order placement

- Type of base or plain ended
- Sealed or unsealed construction
- Single piece or segmented
- Step irons or plain walled
- Depth of manhole section(s)
- Type of cover if required

MANHOLES

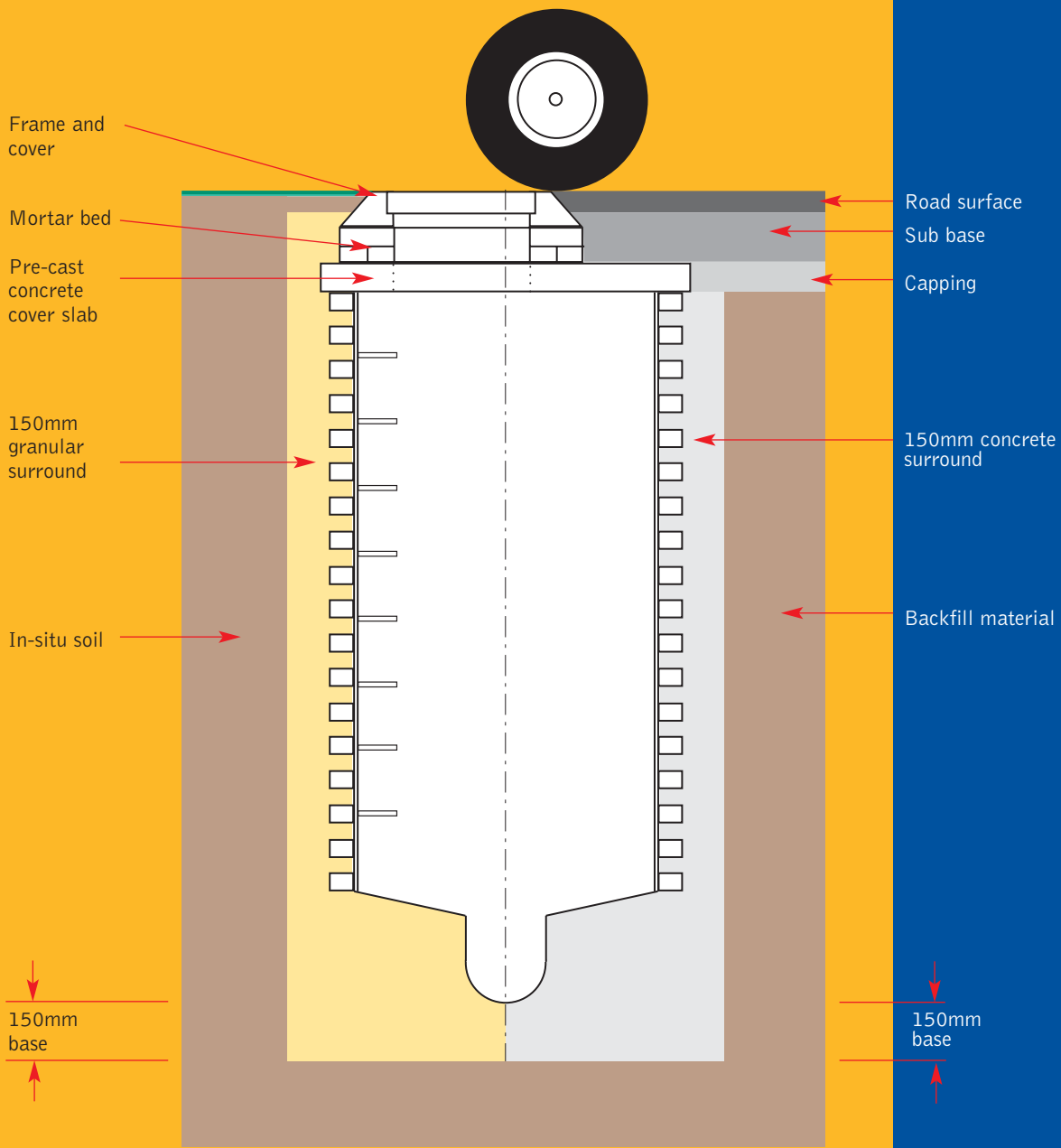
Ridgidrain chambers and manholes can be installed in a fraction of the time of traditional concrete or brick construction with reduced health and safety risks. Granular surrounds are suitable for pedestrian or light field loading. Concrete surrounds should be used in carriageways or locations subject to heavy loads or frequent trafficking.

For further information contact the Technical Department at Polypipe Civils.



**UNDER FIELD/PEDESTRIAN
LOADING**

**UNDER TRAFFIC
LOADING**



INSTALLATION GUIDE

HOTLINES FOR ORDERS & INFORMATION

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Tel: 01509 615101 — East Anglia / Midlands / Northwest England / Wales
Tel: 01509 615102 —
Tel: 01509 615104 — Southwest England / London / Home Counties
Tel: 01509 615125 — Yorkshire / Northeast England
Tel: 01509 615109 — Utilities / Scotland
Tel: 01509 615110 —
Tel: 01509 615126 — Agricultural / Clearwater
Tel: 01509 615217 — Clearwater GRP Technical Helpline
Fax: 01509 615218 — Clearwater GRP Technical Fax line
Fax all sales enquiries and orders to: 01509 265945

POLYPIPE CIVILS LTD AGRICULTURAL PRODUCTS SALES OFFICE

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All descriptions and illustrations in this publication are intended for guidance only and are provided in good faith but without warranty. All dimensions given are nominal and Polypipe Civils Limited reserves the right to modify products and specifications without prior notice.

ORDERS & INFORMATION

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