

Inspection Chamber



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Inspection Chamber

Project Details

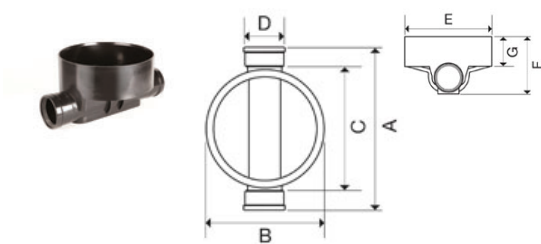
Project Name	Inspection Chambers Project	Produced By	Admin 3
Client Name	Wavin		
Site Address	Parsonage Way, Chippenham, SN15 5PN	Date	29/03/2017

Your components - Calc Ref 1

Reference	Calc Ref 1	Incoming Pipe	OsmaDrain 110mm
Depth	1.3m	Adoptable/Non-Adoptable	Adoptable
Outgoing Pipe Diameter	110mm	How many properties to serve?	Up to 3 properties

Range 315 Inspection Chamber

Part Number : **34NE300**



Range 315 | D/S Equal Inspection Chamber Base | 34NE300

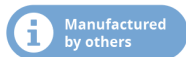
Also for use with 150mm UltraRib, using Adaptor 6UR141

Nominal Size(mm)	A	B	C	D	E	F	G
110	514	369	387	110	357	238*	103

* Dimension F = height at centre point of base (all bases have a 15° inlet-to-outlet fall)

- 315mm dia. base incorporating straight channel and single inlet
- For use with 110/160mm plastic pipework
- Material: Polypropylene

Range 315 Inspection Chamber



Range 315 | Cover by others

Covers are required to be 12.5 tonnes (B125) to comply with Sewers for Adoption 7th Edition. These will need to be sourced from a cast iron cover manufacturer.

Range 315 Inspection Chamber

Part Number : **30NE002**

Range 315 | P/E Inspection Chamber Shaft

Nominal Size(mm)	A	B
315	315	2000*

* Dimension B = effective height

- 315mm dia. plain-ended corrugated shaft
- Length: 2 metres
- For use with all Range 315 bases
- Material: Polypropylene



Product information - Calc Ref 1

Range 315 Inspection Chamber

Description

315mm diameter polypropylene inspection chambers for adoptable and non-adoptable applications. Compliant with Sewers for Adoption 7th edition [SfA7].

Choice of eight base configurations for equal pipe connections.

For use directly with either 110/160mm plastic pipework or 150mm UltraRib system via the appropriate adaptor (6UR141).

315mm diameter shaft may be cut to length to achieve required invert down to a maximum of 2 metres.

Applications

- For above ground access and maintenance inspection of buried pipework down to 2 metres deep
- For loading applications:
 - A15 (1.5 tonnes)
 - B125 (12.5 tonnes) *
 - D400 (40 tonnes) *

* With cover & frame supported by concrete plinth

Key Dimensions

- Invert depth of base:
 - 238mm [for 110mm system]
 - 290mm [for 160mm system]
- External shaft diameter: 315mm
- Shaft length: 2m
- Maximum installation depth: 2m

Key Features & Benefits

- Fast, easy installation: no wet trades
- Lightweight: no lifting equipment required
- Reinforcing ribs on underside to withstand groundwater pressure
- Shaft can be cut to required length
- No additional trench excavation required

Compliance

Range 315 chambers comply with the following standards and regulations



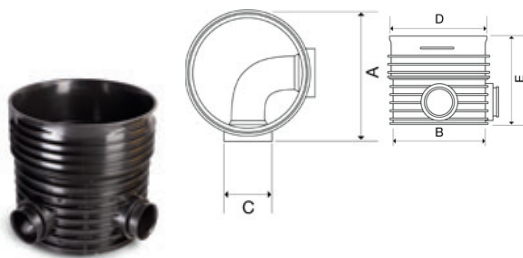
- BS EN 13598-2: 2009
- SfA7 Typical Chamber Detail - Type 4: (Non-entry. Maximum depth from cover level to soffit of pipe: 2m)
- Building Regulations - Part H1: Shallow only to maximum depth 0.6m

Your components - Calc Ref 2

Reference	Calc Ref 2	Incoming Pipe	Twinwall 225mm
Depth	2m	Adoptable/Non-Adoptable	Non Adoptable
Outgoing Pipe Diameter	225mm		

Range 600 Inspection Chamber

Part Number : **69NE314**

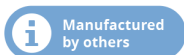


Range 600 | D/S Equal Inspection Chamber Base | 69NE314

Nominal Size(mm)	A	B	C	D	E
225	798	720	225	750	705

- 600mm dia. base incorporating bent 90° channel and single inlet
- For use with 150mm, 225mm and 300mm UltraRib
- Also for connection to 150mm, 225mm and 300mm **TwinWall using Adaptors** 6TW145 (with 150 Base), **9TW145 (with 225 Base)** or 12TW145 (with 300 Base)
- Material: Polypropylene

Range 600 Inspection Chamber



Range 600 | Cover by others

Covers are required to be 12.5 tonnes (B125) to comply with Sewers for Adoption 7th Edition. These will need to be sourced from a cast iron cover manufacturer.

Range 600 Inspection Chamber

Part Number : **60NE003**



Range 600 | P/E Inspection Chamber Shaft

Nominal Size(mm)	A	B
600	683	3000*

* Dimension B = effective height

- 600mm dia. plain-ended corrugated shaft
- Length: 3 metres
- For use with all Range 600 bases
- Material: Polypropylene

Accessories

Adaptor | 9TW145

Part Number

9TW145

Accessories



Restriction Access Cap | 60NE930

- For use with 60NE300 shaft
- Restricts access to 350mm
- Supplied with one 600mm sealing ring
- Material: Polypropylene

Part Number	Nominal Size(mm)	A	B
60NE930	600	704	270

Product information - Calc Ref 2

Range 600 Inspection Chamber

Description

600mm diameter polypropylene inspection chamber for adoptable and non-adoptable applications. Compliant with Sewers for Adoption 7th edition [SfA7].

Choice of twelve bases for equal pipe connections.

For use directly with 150mm, 225mm and 300mm UltraRib system.

600mm diameter shaft may be cut to length to achieve required invert down to a maximum of 3 metres.

Applications

- For above ground access and maintenance inspection of buried pipework down to 3 metres deep
- For loading applications:
 - B125 (12.5 tonnes) *
 - D400 (40 tonnes) *

* With cover & frame supported by concrete plinth

Key Dimensions

- Invert depth of base:
 - 646mm [for 150mm system]
 - 705mm [for 225mm and 300mm systems]
- External shaft diameter: 683mm
- Shaft length: 3m
- Maximum installation depth: 3m

Key Features & Benefits

- Fast, easy installation: no wet trades
- Lightweight: no lifting equipment required
- Reinforced base plate to withstand groundwater pressure
- Shaft can be cut to required length
- All inlets and outlet sockets allow $\leq 7.5^\circ$ movement in all directions

Compliance

Range 600 chambers comply with the following standards and regulations

- BS EN 13598-2: 2009
- SfA7 Typical Chamber Detail - Type 3: (Non-entry. Maximum depth from cover level to soffit of pipe: 3m)
- Building Regulations - Part H1: Shallow and/or Deep

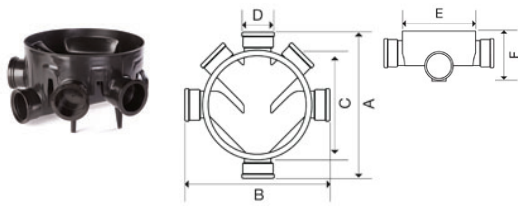


Your components - Calc Ref 3

Reference	Calc Ref 3	Incoming Pipe	OsmaDrain 110mm
Depth	0.95m	Adoptable/Non-Adoptable	Adoptable
Outgoing Pipe Diameter	110mm	How many properties to serve?	Up to 3 properties

Universal Inspection Chamber

Part Number : **4D922**



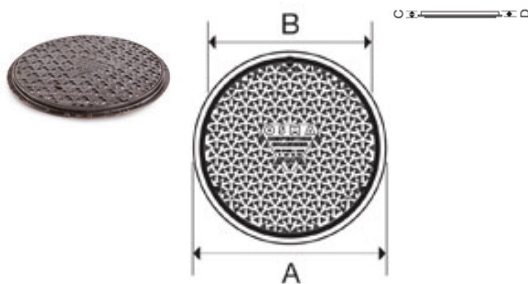
**Note: dimension F = height at centre point of base (all bases have a 15° inlet-to-outlet fall)*

Nominal Size(mm)	A	B	C	D	E	F
110	595	595	470	110	476	295*

- 450mm dia. base incorporating straight channel and 5 inlets including 2 x 45° and 2 x 90° equal branch inlets
- For use with 110mm OsmaDrain
- Supplied with 3 blank-off plugs for unused side entries
- Material: Polypropylene

Universal Inspection Chamber

Part Number : **4D942**



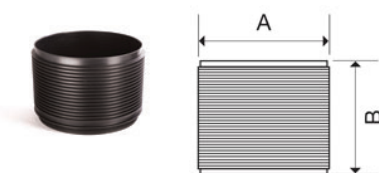
UIC | Round Cover & Frame - B125 | 4D942

Nominal Size(mm)	A	B	C	D
-	522	462	70	35

- For medium duty loaded locations
- For loadings up to 125kN (12.5 tonnes) when frame is supported by a concrete plinth
- Material: Ductile Iron

Universal Inspection Chamber

Part Number : **4D975**



UIC | P/E Inspection Chamber Shaft

**Note: dimension B = effective height*

You may require multiple shaft parts for the depth of your chamber. See below for details:

- **1 shaft = 605mm**
- **2 shafts = 910mm**
- **3 shafts = 1.2m**

Nominal Size(mm)	A	B
450	500	305*

- 450mm dia. plain-ended shaft. Length: 305mm
- For use with all Universal bases
- Supplied with integral, co-injected, elastomeric seal
- Material: Polypropylene

Product information - Calc Ref 3

Universal Inspection Chamber

Description

450mm diameter polypropylene inspection chamber for adoptable and non-adoptable applications. Compliant with Sewers for Adoption 7th edition [SfA7].

Choice of five base configurations for equal and unequal pipe connections.

Base configurations available for use with either 110/160mm OsmaDrain or 150mm UltraRib.

Shaft may be assembled to required invert depth by using shaft sections 4D975 (maximum 1.2m).

Applications

For above ground access and maintenance inspection of buried pipework up to 1.2 metres deep

Key Dimensions

- Height of bases:
 - 295mm [for 110mm system]
 - 270mm [for 150mm and 160mm systems]
- External shaft diameter: 450mm
- Shaft section length: 305mm
- Maximum installation depth: 1.2m

Key Features & Benefits

- Fast, easy installation: no wet trades
- Lightweight: no lifting equipment required
- Push-fit shaft sections: one or more can be used to achieve required invert depth
- Final shaft section can be cut to required length
- No additional trench excavation required
- Square cover and frame – for use with 4D975 shaft in situations requiring loading up to 15kN (1.5 tonnes)

Compliance

Universal Inspection Chambers comply with the following standards and regulations

- BS EN 13598-1: 2010
- SfA7 Typical Chamber Detail – Type 4 (to max. 1.2m depth only)
- Building Regulations – Part H1: Shallow only, to maximum depth of 1.2m

