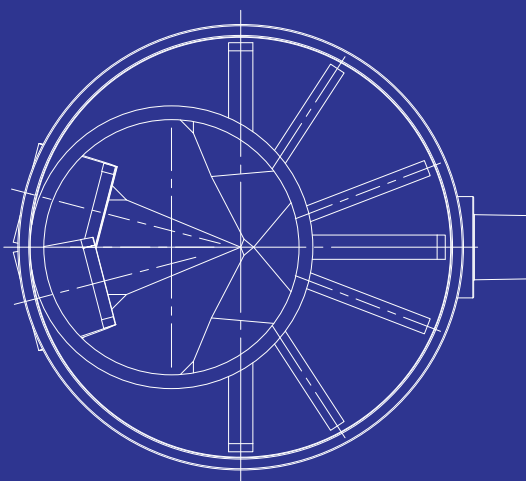
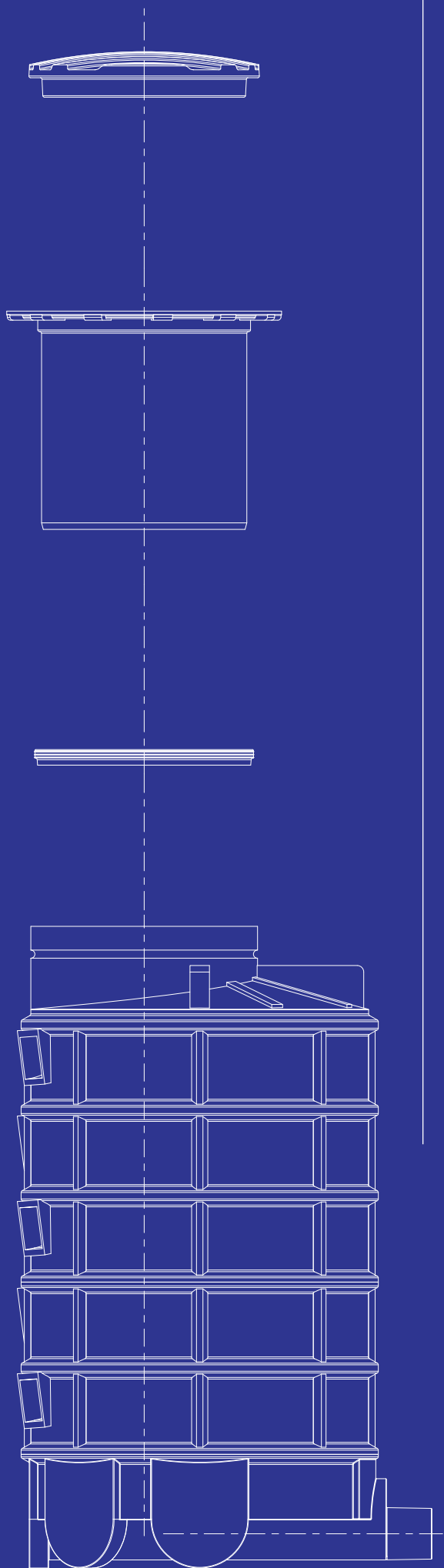


CAT TA LO GUE. 2026



ACCESS MANHOLES
SEWER INSPECTION
WATER SUPPLY

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Triplast is a success story written both for our clients and for our team.

It all started in 2002 at the initiative of three entrepreneurs, with 100% Romanian capital.

Through constant growth, from the first rotomolding machine, we now operate 6 machines.

Our mission is the development of new solutions as well as the continuous improvement of existing ones.

Our resources and attention are consistently focused on the needs of our clients.

We kept our focus on a limited range of products, in order to fully understand the intended functionality, and designated use of each product we manufacture.

Our product range includes:

- water meter chambers
- shallow- and deep well sewerage chambers and manholes
- gully tops and manhole covers made of cast iron or composite materials (customizable upon clients' request)
- wastewater management units
- hydrocarbon separators
- various other products designated for various industries



■ About Rotomolding

Rotomolding is an industrial production process, facilitating manufacturing of large products, having complex geometries, hollow or compact.

What does this technology mean?

The raw material, potentially polyethylene or polypropylene powder, is poured into a mold, which is mounted on one of the arms of the rotomolding machine.



Said mold is introduced into the oven preheated a priori to a set temperature, and starts rotating around both axis. In this way, the molten raw material adheres to the inner wall of the mold, maintaining its shape after cooling.

After the preset cooking time has passed, the mold exits the oven, passing through primary cooling, towards secondary cooling. Once cooled, the part can be removed from the mold. This process results in high-quality parts of various shapes which, using other technologies, would involve very high costs.

Advantages of rotomolding:

- Compared to injection or blow molding, rotomolding molds are cheaper.
- All thickness can be controlled by the amount of material placed in the mold.
- Since the plastic melts and cools slowly, the resulting parts have very low internal stress, making them more resistant to cracking.
- Enables the manufacturing of complex shapes, parts with uniform walls, rounded corners, and internal or external details without stress.
- The molds are structurally simple compared to other plastic production technologies.
- Shorter mold manufacturing time, which
- Reduces the development time for new products, enabling fast market launch and easy adaptation
- To customer requirements.

- Reduced product weight allows easy handling and efficient transport.
- Unlike other technologies used in plastics, rotomolding is a low-pressure process.
- Molds require little maintenance, which also reduces production downtime.



- Very short production time, making it a highly economical process.
- Possibility of producing multilayer products.
- Production waste and rejects are not discarded but recycled and reintroduced into the process, ensuring efficient use of material.
- A wide range of products can be manufactured simultaneously on a single machine.
- In short: rotomolding is a very advantageous solution from a technical and economic perspective.
- However, besides its major advantages, this process also has disadvantages such as:
 - Limited range of usable materials,
- Certain shapes are difficult to execute.
-



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■ DN500 water meter manhole

Type	Water meter manhole DN500
Manufacturer	Triplast
Intended use	Water supply networks.
Materials	Polyethylene; Expanded polyethylene (optional).
Characteristics	Height 800/1000/1200/1500 mm; outer Ø550 mm; min. inner Ø500 mm; for water meter up to DN25; for pipe up to DN32.
Optional components	Cast iron or composite cover, for vehicular and pedestrian areas, according to EN 124-1:2015.
Optional chamber equipment	HDPE pipe; compression fittings; electrofusion transition fittings; elbows; gaskets; EPDM sealing; various types of valves; fixing brackets/flanges; various types of water meters; insulated composite covers; cast-iron covers.
Advantages	Easy to install; increased mechanical strength; reinforced/ribbed chamber body; provides enhanced frost resistance for the chamber's internal equipment; can be configured in multiple internal equipment variants.



Locking System Detail:



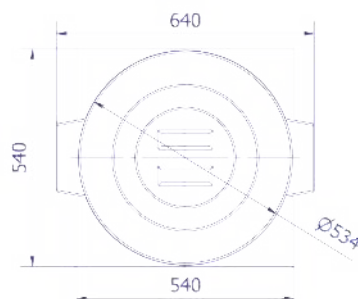
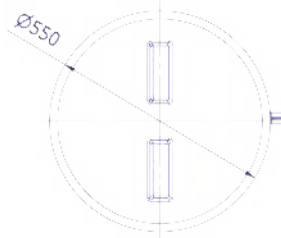
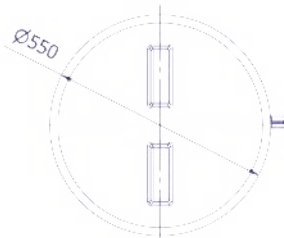
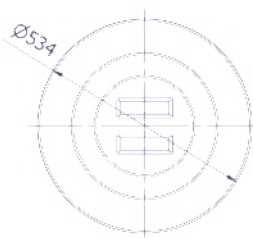
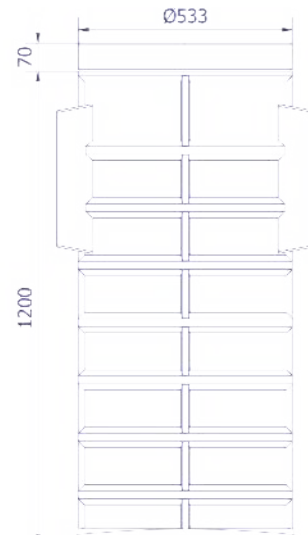
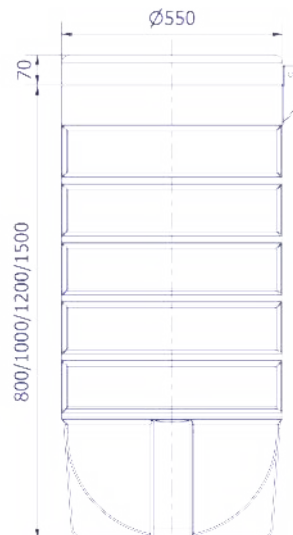
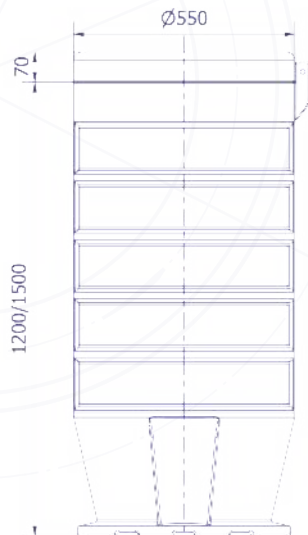
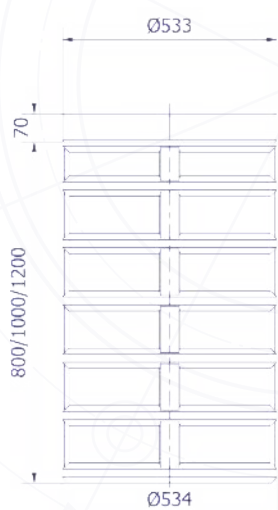
Height (mm)	Without locking system		With locking system	
	Single wall	Multi wall	Single wall	Multi wall
800 mm	Yes	Yes	-	-
1000 mm	Yes	Yes	-	-
1200 mm	Yes	Yes	Yes	Yes
1500 mm	Yes	-	Yes	-



*The images in the catalog are illustrative and do not entail contractual liability.

**Products may be modified without prior notice.

Available Variants:



DN500 water meter manhole, H80, flat bottom



D500x1200 water meter manhole with round base.



DN500 water meter manhole, H120,

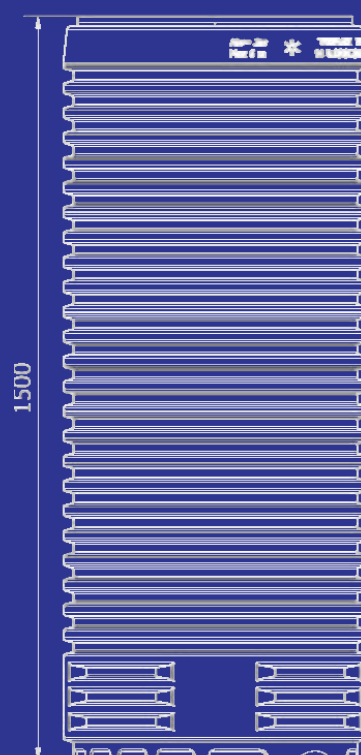
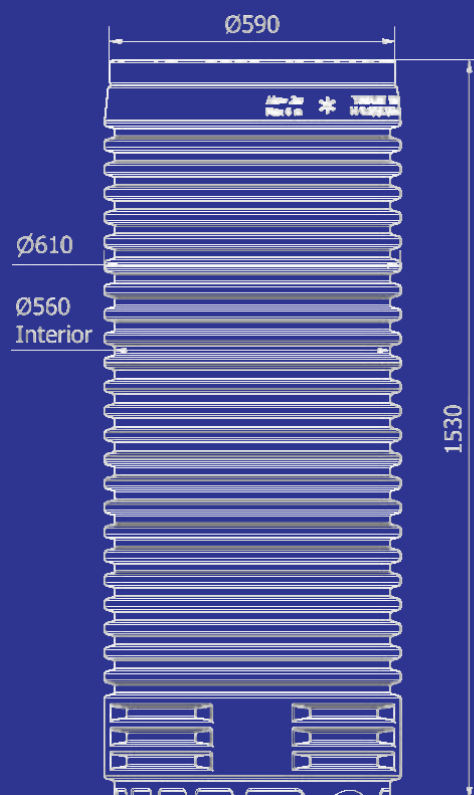


DN500 water meter manhole, H120, with box and base.

■ DN610/560 water meter manhole

DN610/560 water meter manhole for water supply networks, made of polyethylene.

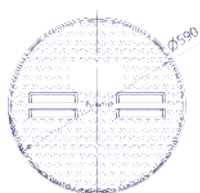
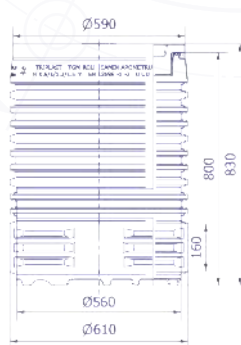
Type	Water meter manhole DN610/560
Manufacturer	Triplast
Fields of use	Water supply networks
Characteristics	Height: 800 / 1000 / 1200 / 1500 mm Outer diameter: Ø610 mm Minimum inner diameter: Ø550 mm For water meter up to: DN32 For pipe up to: DN32 PE cover: Ø590 mm Also available as: double-layer / multilayer Connection options: four-side connection possible, Optional: can be equipped with sealing gaskets Cover: threaded locking cap
Optional components	Cast iron or composite covers, trafficable or non-trafficable, according to EN 124-1:2015
Optional chamber equipment	HDPE pipe, electrofusion transition fittings, Compression fittings, elbows, gaskets EPDM sealing, Various types of valves, fixing flanges Various types of water meters, Any configuration requested by the client/project
Advantages	Easy to install, The corrugated body provides increased mechanical strength; reinforced chamber body. Provides enhanced cold/frost resistance for the chamber's internal equipment.



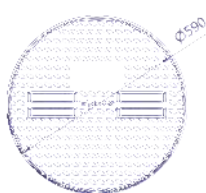
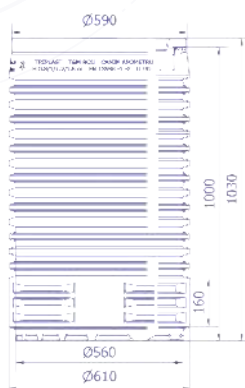
■ DN610/560 water meter manhole

DN610/560 water meter manhole, RIF type, for water supply networks, made of polyethylene.

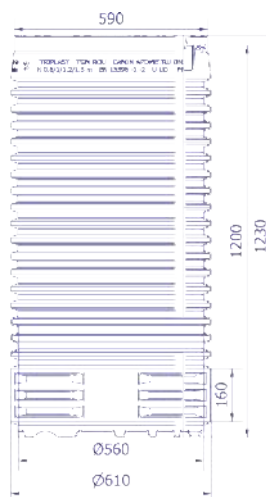
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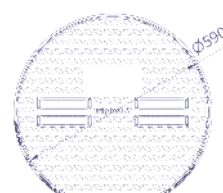
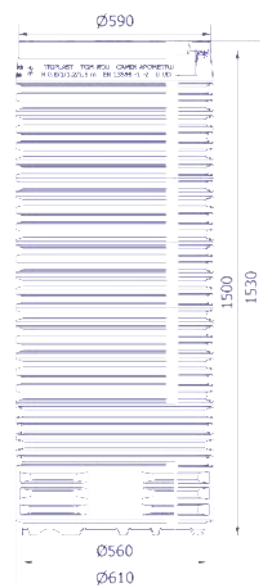
■ H800 mm



■ H1000 mm



■ H1200 mm



■ H1500 mm



DN610/560



DN610/560



DN610/560

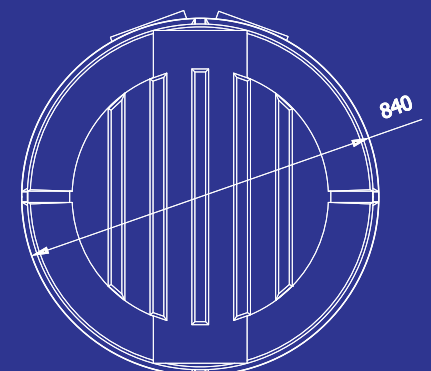
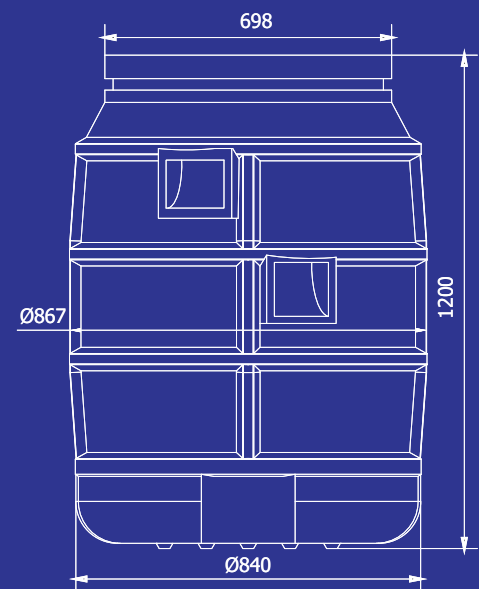


DN610/560

■ DN800 water meter chamber

DN800 water meter chamber for water supply networks, made of polyethylene.

Type	DN800 water meter chamber
Manufacturer	Triplast
Fields of use	Water supply networks
Materials	Polyethylene; Expanded polyethylene (optional)
Characteristics	Height: 1000 / 1200 / 1500 / 1800 mm Diameter: Ø800 mm Access opening: Ø630 mm Exists in two construction variants For water meter up to DN40 For pipe up to DN50
Optional components	PE cover Ø630 Fixing gasket for riser element Riser elements 30 cm and 60 cm Composite or cast iron covers per EN 124-1:2025
Optional chamber equipment	HDPE pipe, electrofusion transition fittings Compression fittings, elbows, gaskets EPDM sealing Valves, fixing brackets/flanges Water meters Any configuration requested by the client/project
Advantages	Easy to install Ribbed body provides increased mechanical strength; reinforced chamber body Provides enhanced frost resistance for the chamber's internal equipment

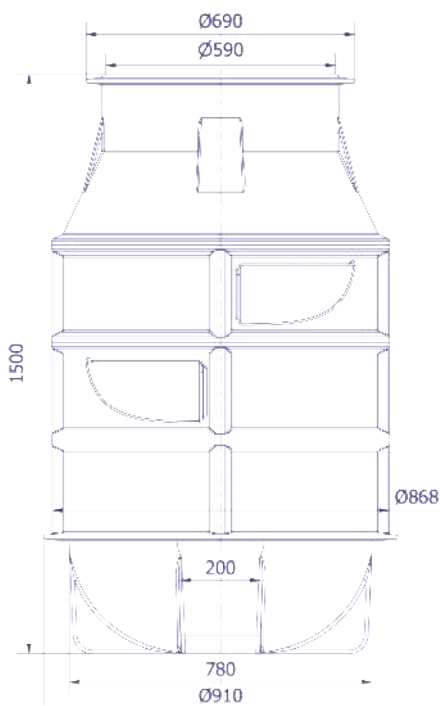


DN800 Water Meter Chamber		
Height (mm)	Single wall	Multi-wall (double-layer execution possible)
1000 mm	Yes	Yes
1200 mm	Yes	Yes
1500 mm	Yes (combined with riser element)	-
1800 mm	Yes (combined with riser element)	-

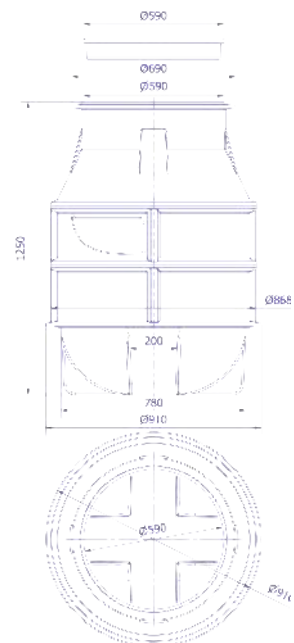
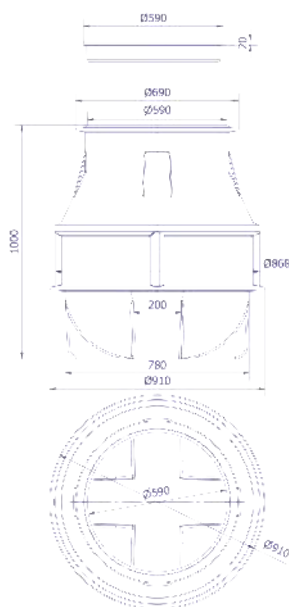
*The images in the catalog are illustrative and do not entail contractual liability.

**Products may be modified without prior notice.

■ DN800L water meter chamber



Type	DN800L water meter manhole
Manufacturer	Triplast
Fields of use	Water supply networks
Materials	Polyethylene; expanded polyethylene (optional)
Characteristics	Height: 1000 / 1250 / 1500 mm Inner diameter: Ø800 mm Access opening: Ø570 mm PE cover Ø590 with handles for easy handling For water meter up to DN40 For pipe up to DN50 Cast-in access steps (at heights 1250 and 1500)
Optional components	Double-layer (optional) Composite or cast-iron covers according to EN 124-1:2025
Optional chamber equipment	HDPE pipe; compression fittings; electrofusion transition fittings elbows; gaskets; EPDM sealing; valves; fixing brackets/flanges; water meter; composite cover; any configuration requested by the vehicular and pedestrian areas
Advantages	PE cover usable with cast iron/composite covers, trafficable or non-trafficable, with a clear opening of Ø600 mm Easy to install Increased mechanical strength Reinforced chamber body Provides enhanced frost resistance for the chamber's internal equipment Can be supplied in multiple internal equipment configurations
Observations	Installation must be carried out with the PE cover mounted



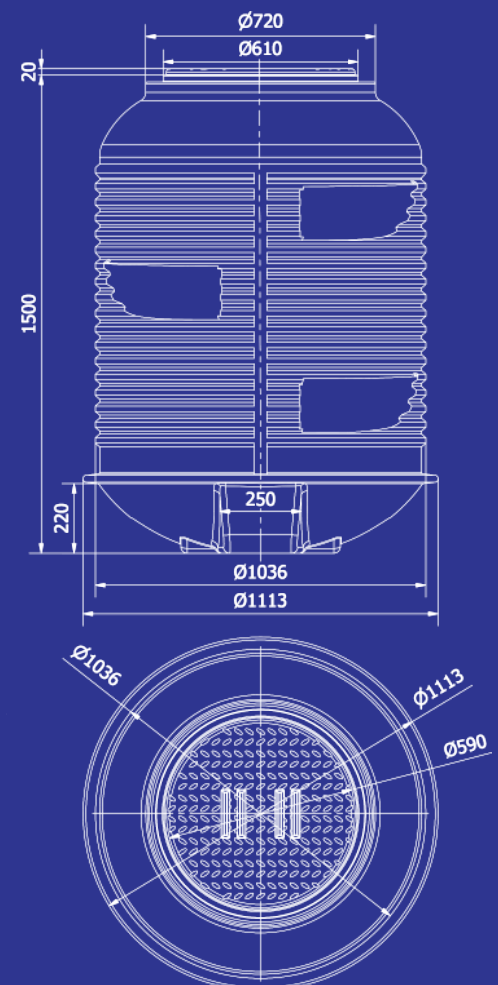
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D1000 water meter manhole

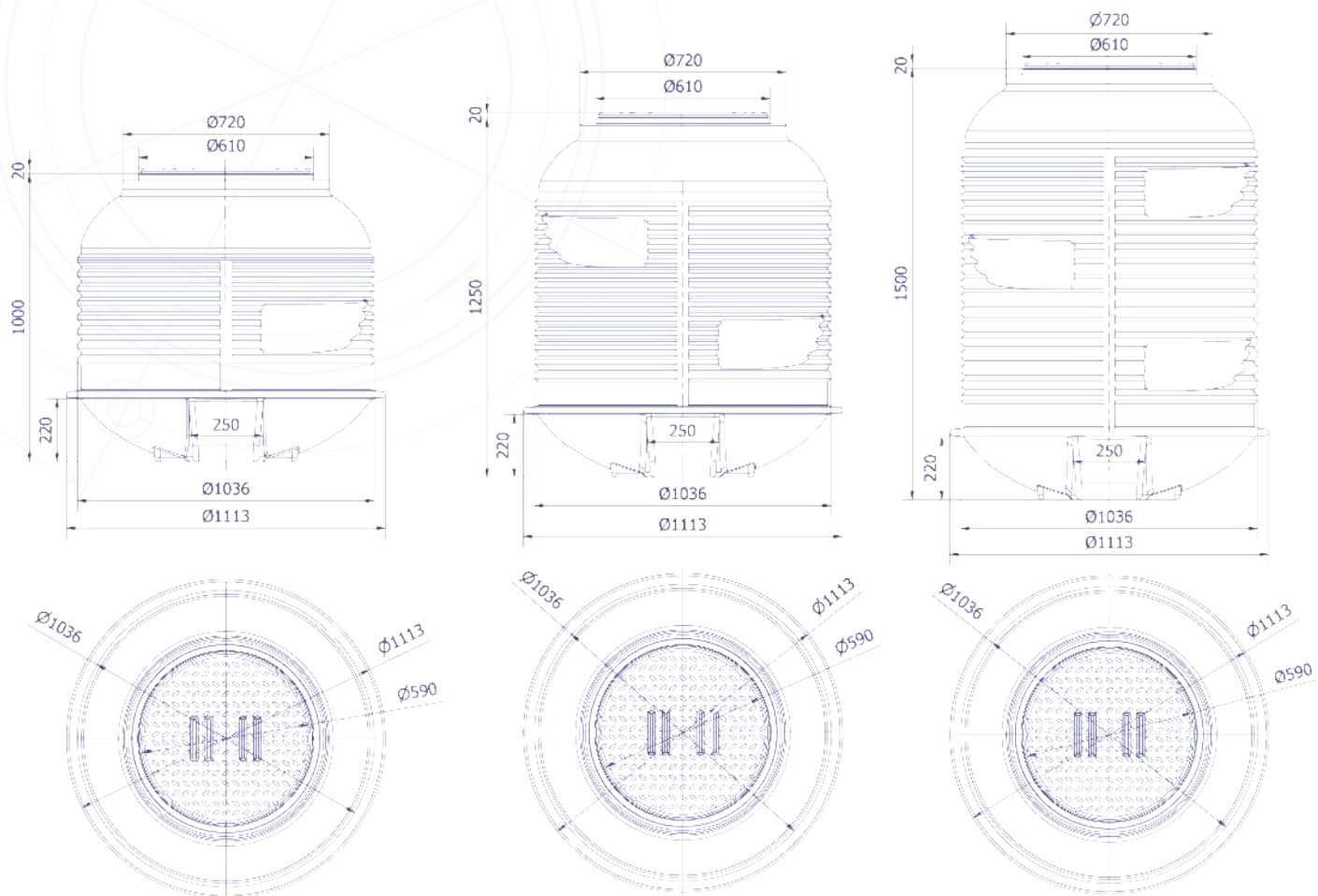
D1000 water meter manhole for water supply networks, made of polyethylene.

Type	D1000 water meter manhole
Manufacturer	Triplast
Fields of use	Water supply networks
Materials	Polyethylene; expanded polyethylene (optional)
Certification	01515.1.E/05.07.2024 (Annex 7)
Characteristics	Diameter Ø1000 mm; access opening Ø570/Ø630 (on request); cast-in internal access steps; for water meter ≤ DN50; for PE pipe ≤ DN63
Optional components	PE cover 600/630 (on request); gasket; composite or cast-iron covers according to EN 124-1:2025
Optional chamber equipment	HDPE pipe; electrofusion transition fittings; compression fittings; elbows; gaskets; EPDM sealing; valves; fixing brackets/flanges; water meter; composite cover; any configuration requested by the client/project; multipoint installation
Advantages	Easy to install; increased mechanical strength; reinforced chamber body; enhanced frost resistance for the chamber's internal equipment; can be supplied in multiple internal equipment configurations; built-in support for water meter; PE 600 cover usable with sewer covers with clear opening Ø600



Height (mm)	D1000 water meter chamber	
	Single wall	Multi wall (double-layer)
1000 mm	Yes	Yes
1250 mm	Yes	Yes
1500 mm	Yes	Yes

Available sizes:



DN1000 H 100



DN1000 H 125

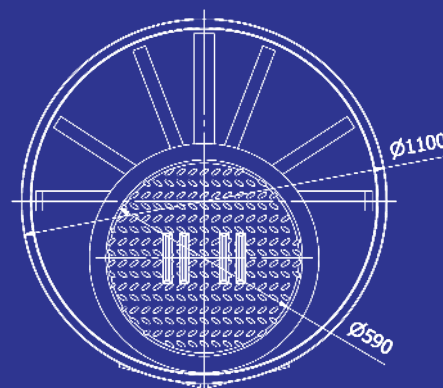
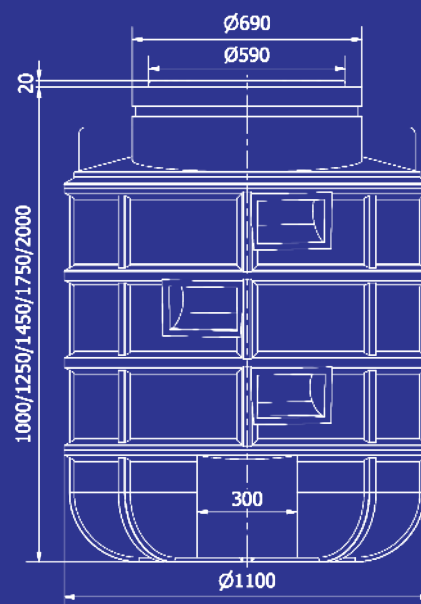


DN1000 H 150

D1100 water meter manhole

D1100 water meter manhole for water supply networks, made of polyethylene

Type	D1100 water meter manhole
Manufacturer	Triplast
Fields of use	Water supply networks
Materiale	Polyethylene; expanded polyethylene (multilayer variant)
Characteristics	Diameter Ø1100 mm; minimum inner diameter Ø1000 mm; access opening Ø570 mm; access opening Ø630 mm; construction variants: with eccentric inlet / with concentric inlet; PE cover Ø590 usable with EN 124 vehicular and pedestrian areas, clear opening Ø600; interior steps for access; for water meter up to DN50; for PE pipe up to DN63
Optional components	Cast-iron or composite covers, trafficable or non-trafficable, according to EN 124-1:2025
Optional chamber equipment	HDPE pipe; electrofusion transition fittings; compression fittings; elbows; gaskets; EPDM sealing; valves; fixing brackets/flanges; various types of water meters; any configuration requested by the client/project
Advantages	Easy to install; increased mechanical strength; reinforced chamber body; enhanced frost resistance for the chamber's internal equipment; can be supplied in multiple internal equipment configurations; built-in support for the water meter; PE 600 cover usable with sewer covers with Ø600 clear opening

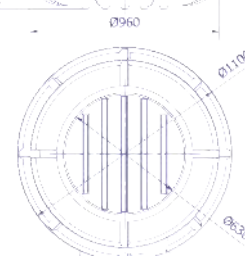
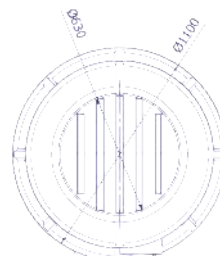
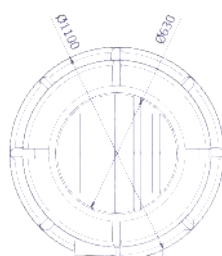
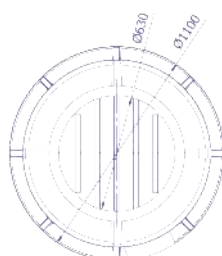
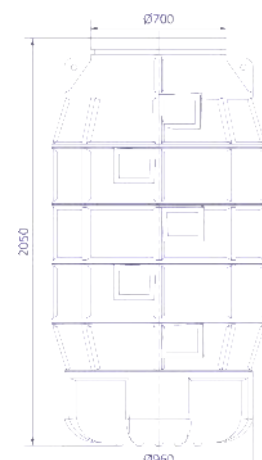
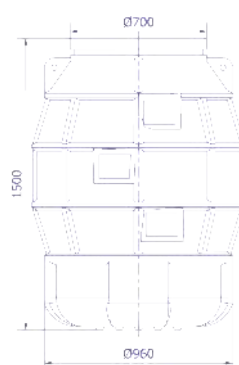
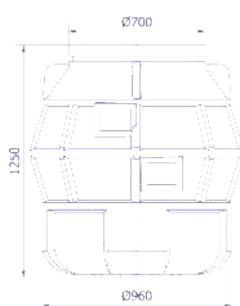
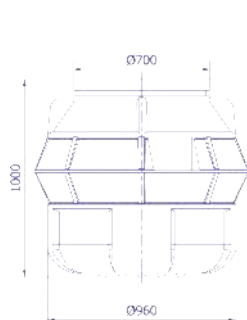


Height (mm)	D1100 water meter chamber	
	Single wall	Multi wall
1000 mm	Yes	Yes
1250 mm	Yes	Yes
1450 mm	Yes	Yes
1750 mm	Yes	Yes
2000 mm	Yes	Yes

■ BN-type D1100 water meter manhole



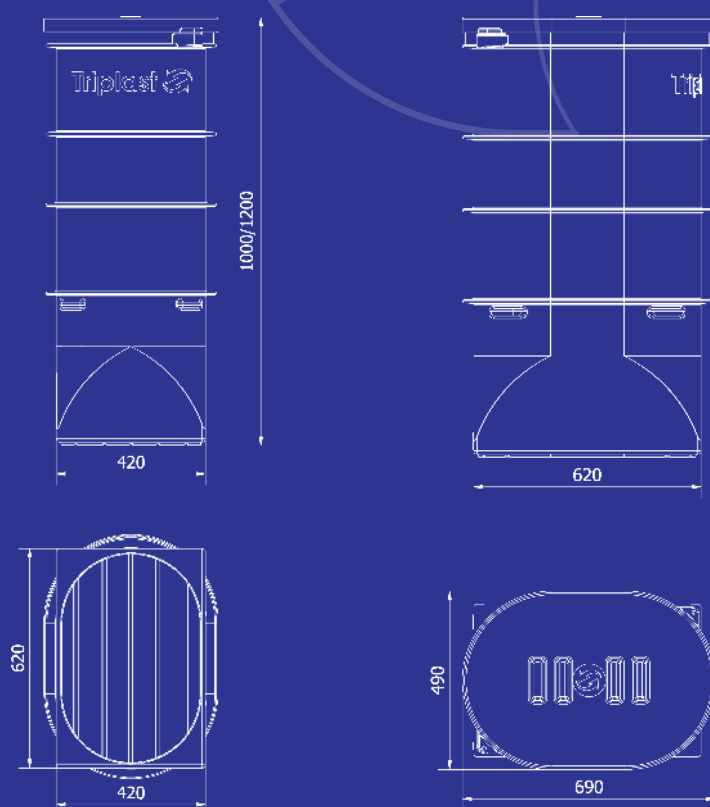
Type	BN-type D1100 water meter manhole
Manufacturer	Triplast
Fields of use	Water supply networks
Materials	Polyethylene
Characteristics	Height 1050 / 1250 / 1500 / 2050 mm; diameter Ø1100 mm; access opening Ø630 mm; internal steps for access; for water meter up to DN40; for pipe up to DN50.
Optional components	PE 630 cover; cast-iron or composite covers, trafficable or non-trafficable, according to EN 124-1:2025
Optional chamber equipment	HDPE pipe; compression fittings, electrofusion transition fittings elbows, gaskets; EPDM sealing; valves; fixing brackets; water meter; any configuration requested by the client/project
Advantages	PE cover usable with cast-iron/composite covers, trafficable or non-trafficable, with Ø600 mm clear opening; easy to install; increased mechanical strength; reinforced chamber body; enhanced frost resistance for the chamber's internal equipment; can be supplied in multiple internal equipment configurations
Observations	Installation must be carried out with the PE cover installed



Oval water meter manhole

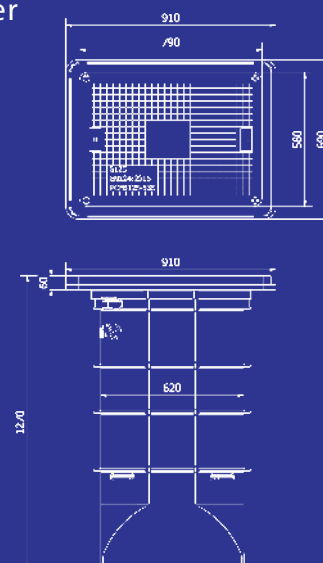
Oval water meter manhole D620/420 H1200/100 for water supply networks, made of polyethylene

Type	Oval water meter manhole D620/420
Manufacturer	Triplast
Fields of use	Water supply networks
Materials	Polyethylene (single-layer / double-layer); Expanded polyethylene (double-layer)
Color	Black, grey, blue. On request, can be manufactured in a wide range of colors
Characteristics	Single-layer / Double-layer. Ovoidal shape 680/480 mm. Height (H): 1000 mm, 1200 mm. Can be equipped: with water meter, PE pipes, valves, accessories; with PE insulation 20–30 mm; as per the buyer's instructions.
Optional chamber equipment	Cover – PE; composite (SMC); cast iron Lockable system operable with a special key
Advantages	Easy to install, no masonry required. Versatile: can be equipped with PE pipe, DN50, with DN40 water meter. Increased strength. The side rings, besides stiffening the body, act as anchors when the groundwater level is high.



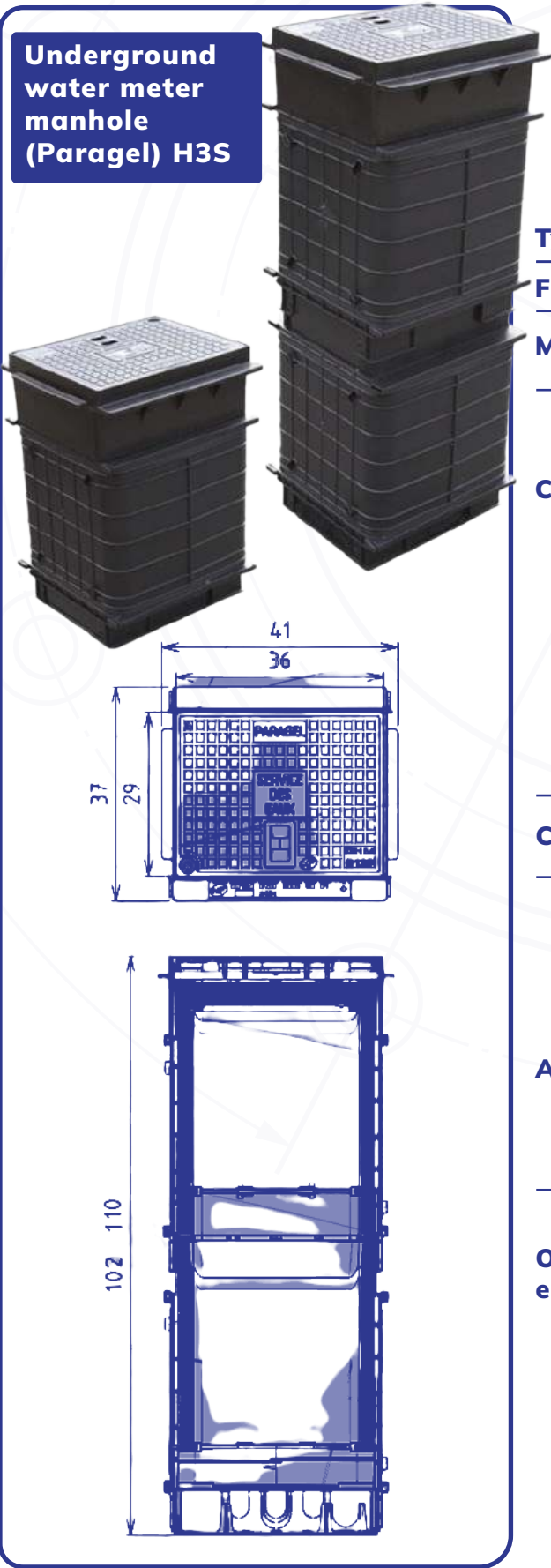
Composite cover

Oval manhole with composite cover



■ Underground Paragel-type water meter chamber

Underground water meter manhole (Paragel) H3S



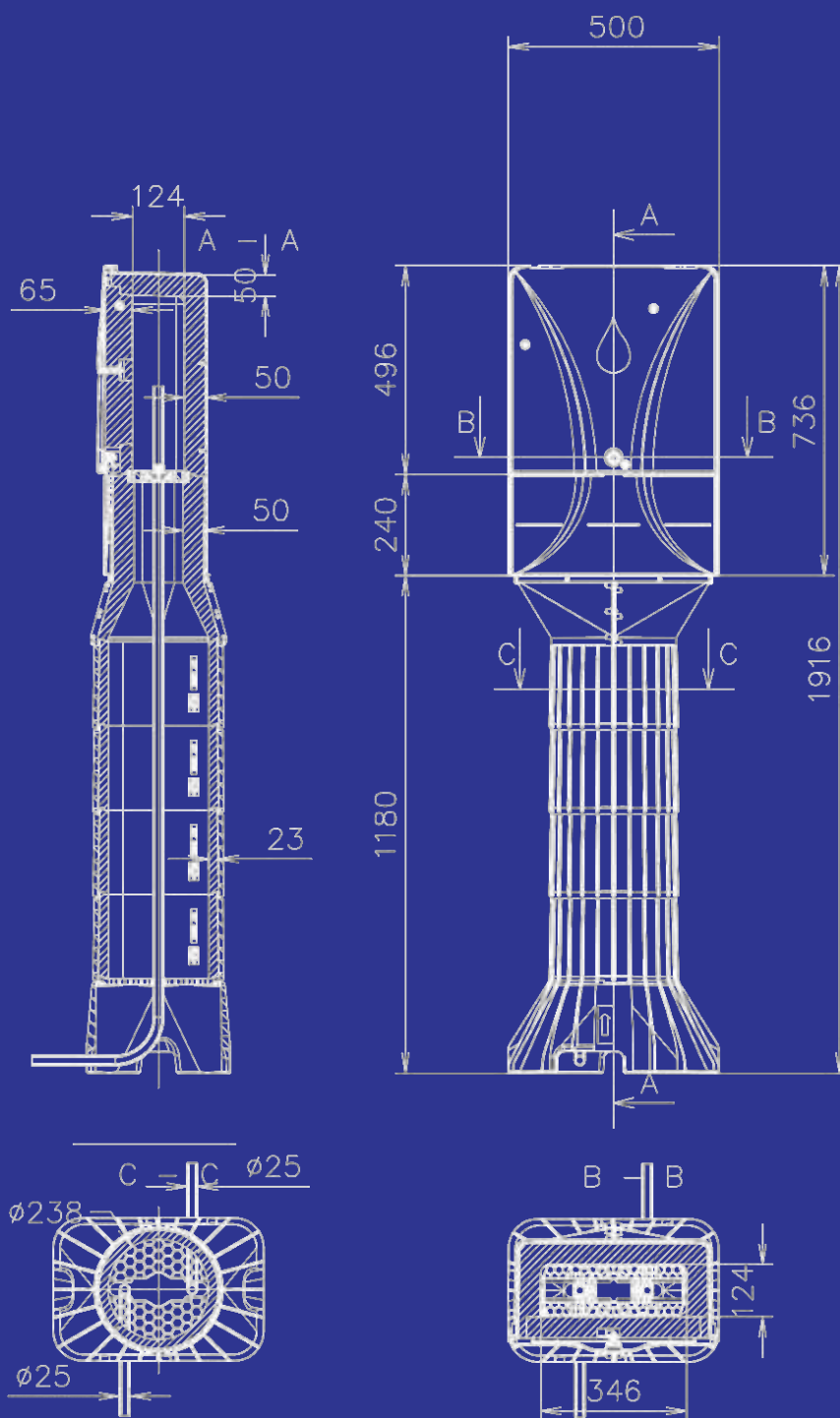
Type	Underground water meter manhole (Paragel) H3S
Fields of use	Water supply networks
Materials	Square box made of polypropylene; polystyrene (body & cover insulation); cast-iron cover B125
Characteristics	Adjustable height 102–110 cm (H3) Optional heights: 57–65 cm (H1), 81–89 cm (H2), 126–134 cm (H4) Width 41 × 37 cm Cast-iron cover features: 340 × 245 mm (clear opening Ø245 mm); non-removable hinge; opening angle >110°; screw-locking systemcover height H = 110 mm; handling recess Height adjustment of the chamber by 10 cm possible; angle adjustment possible Support grid for interior assembly For water meter DN15 or DN20 with lengths 110, 170, 190 mm For PE pipe DN20, DN25, DN32
Conditions of use	For water meter DN15 or DN20, with lengths 110 mm, 170 mm, and 190 mm For PE pipe DN20, DN25, DN32
Advantages	Easy to install Installation, maintenance, and meter reading are facilitated by the flexible connection Increased mechanical strength; reinforced chamber body Enhanced frost resistance by natural convection from the chamber base; the base is designed to support the chamber's internal equipment Can be supplied in multiple internal equipment configurations
Optional chamber equipment	HDPE pipe Ball valve Anti-tamper angle valve with compression coupling Angle valve with purge system (two purge valves) plus check valve and compression coupling Flexible connections Water meter

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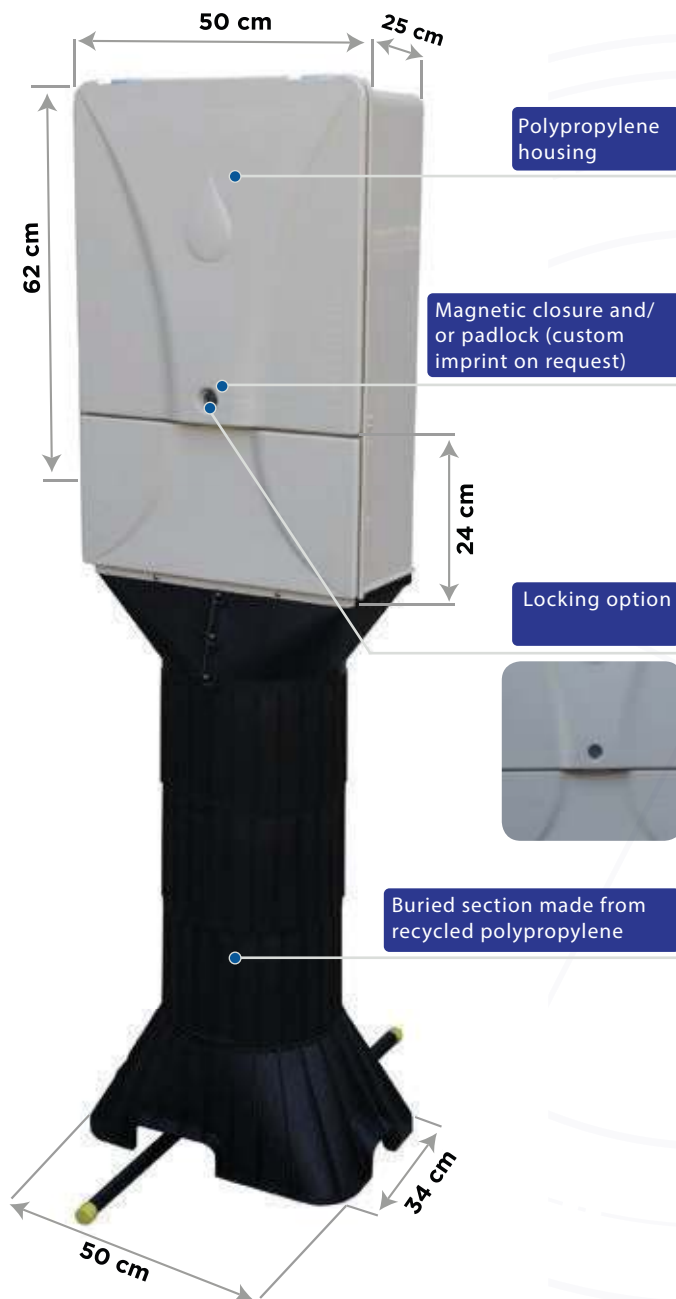
**Products may be modified without prior notice.

Above-ground Paragel-type water meter manhole

PARAbox

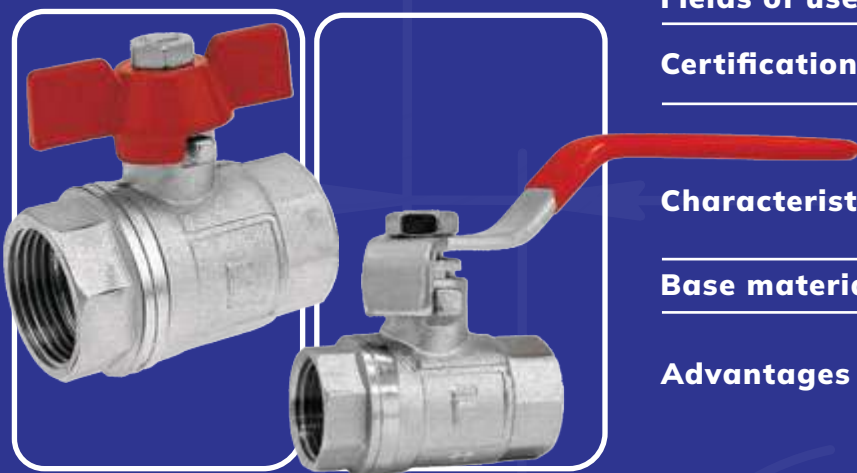


Above-ground Paragel-type water meter manhole



Ball valves for water meter manholes

Ball valve:

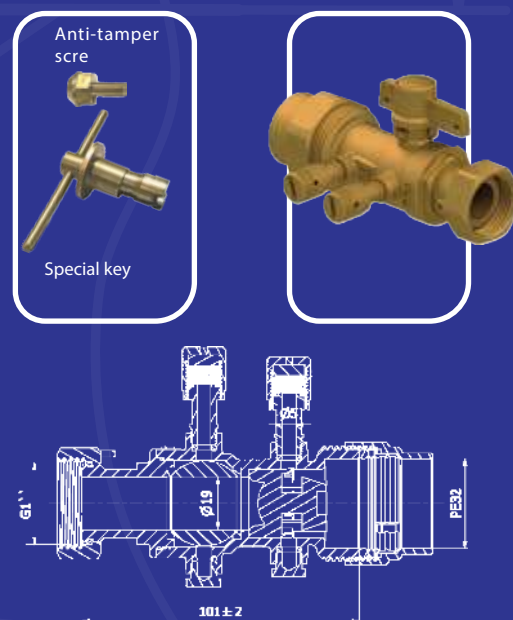


Type	Valve
Fields of use	Water supply networks
Certifications	Certificate of conformity; sanitary approval
Characteristics	Straight valve; female/female thread; nominal pressure PN 16 bar; max working temperature +40 °C; butterfly or lever actuation
Base material	Brass
Advantages	Enables easy installation in service connection systems, ensuring rapid integration into the water-meter assembly and significantly reducing the execution time of the works.

DN	d [mm]	A [mm]	B [mm]	C [mm] butterfly/lever	D [mm] butterfly/lever	Kvs [m³/h]	Thread
15	13.5	G1/2	46	49/85	38/43.5	8	1/2"
20	17	G3/4	52	49/85	40/46	14	3/4"
25	21.5	G1	62	62/92	48/50.5	21	1"
32	27	G5/4	70.2	x/111	x/61.4	43	5/4"
40	35.5	G6/4	81.6	x/148	x/67.6	88	6/4"

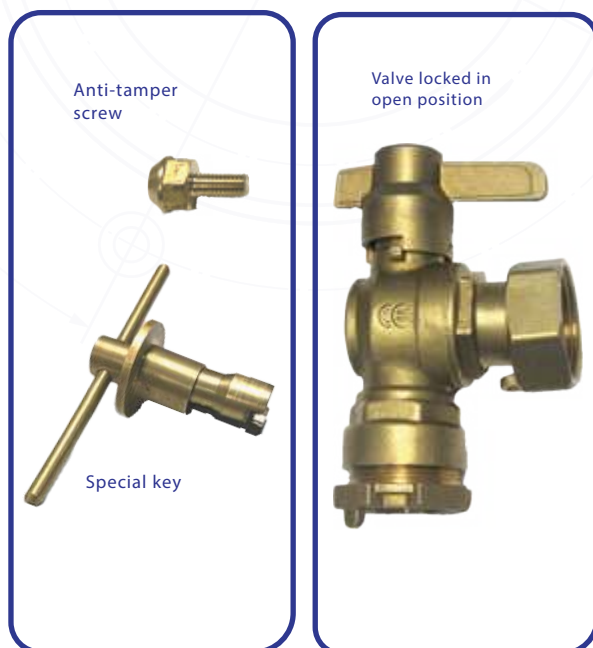
Anti-tamper straight valve with check valve and double purging system

Type	Valve
Field of use	Water supply networks
Certifications	Certificat de conformitate, Aviz sanitar
Characteristics	Straight valve for cold potable water Built-in compression fitting for PE (DIN 8076) Integrated check valve Double purging system Nominal pressure PN 16 bar Body, ball and screw made of CW617N brass alloy PTFE sealing element Union connection with gas thread ISO 7-1 Can be installed after the water meter Anti-tamper system Maximum operating temperature: +40 °C



■ Anti-tamper angle valve (spherical obturator)

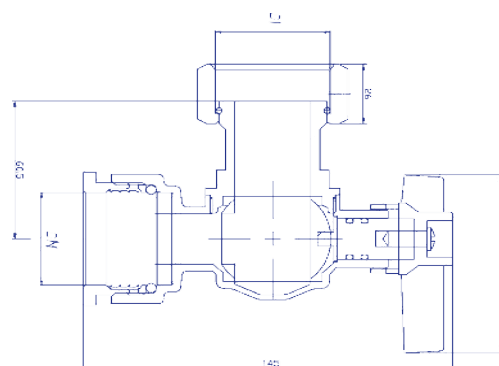
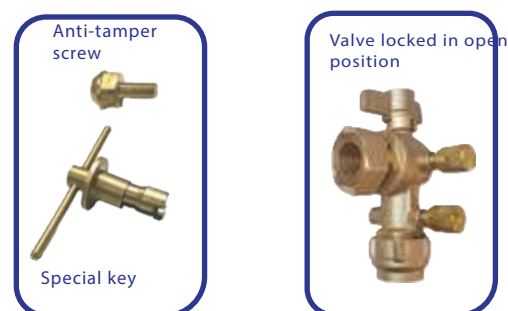
Anti-tamper angle valve with spherical obturator



Type	Anti-tamper valve
Fields of use	Water supply networks
Certifications	Certificate of conformity; sanitary approval
Characteristics	Anti-tamper Quick coupling for PE (DIN 8076) Union connection Nominal pressure PN 16 bar Max. working temperature +40 °C Anti-tamper system operable with special key
Base material	Brass CW617N per SR EN 12165
Advantages	Design that makes installation easy The design eliminates the need for elbow fittings Anti-tamper system

Anti-tamper angle valve with spherical obturator, two purge systems, and built-in check valve

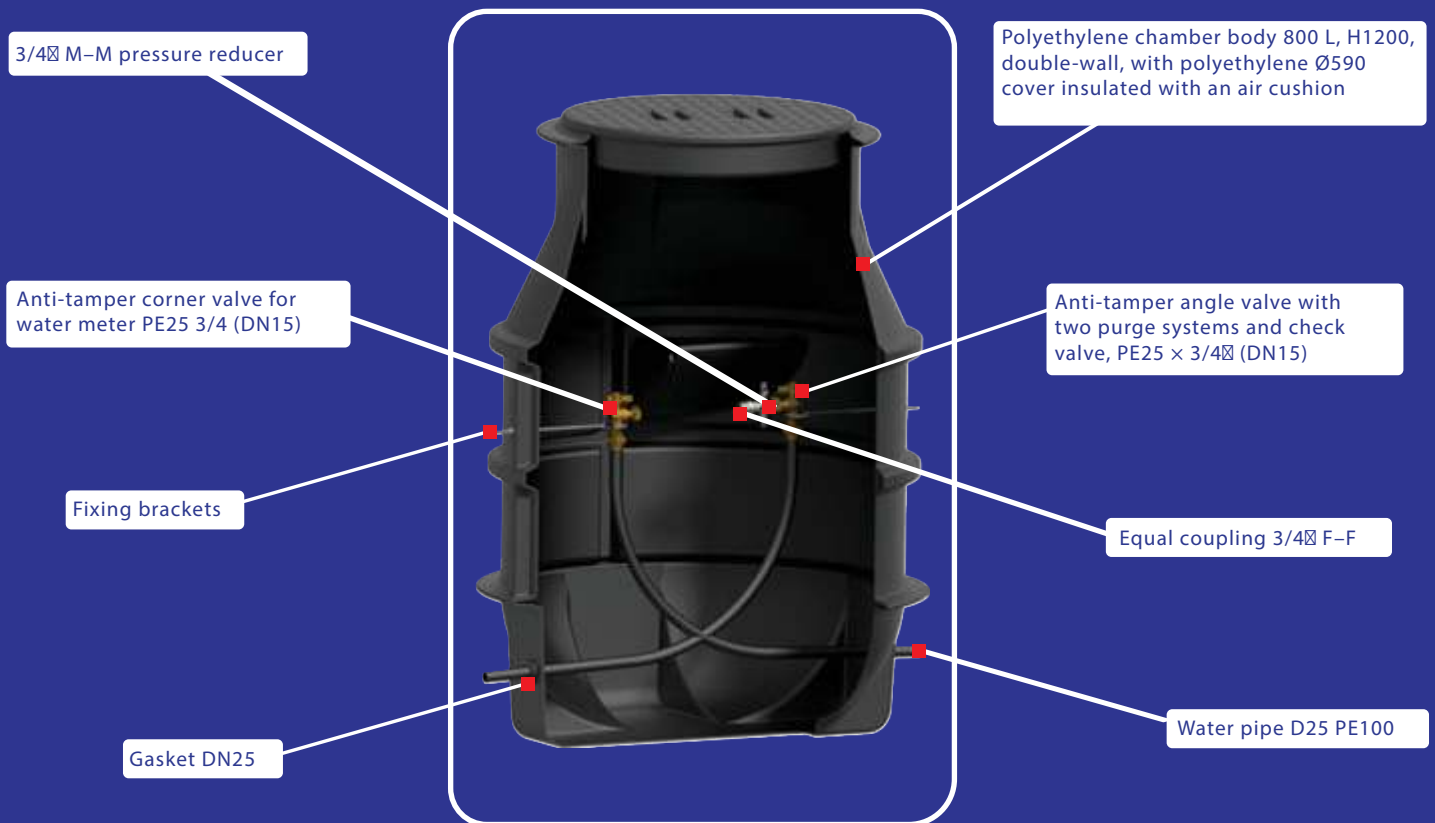
Type	Anti-tamper valve
Fields of use	Water supply networks
Certifications	Certificate of conformity; sanitary approval
Characteristics	With purge system and built-in check valve Angle valve, 90° Anti-tamper Lockable for PE (DIN 8076) Union connection Nominal pressure PN 16 bar Maximum working temperature +40 °C Anti-tamper system operable with special key
Base material	Brass CW617N per SR EN 12165
Advantages	Design that makes installation easy The design eliminates the need for elbow fittings Anti-tamper system



Connection dimensions	DN	DI
PE25	3/4" (DN15)	
PE25	1" (Dn20)	

■ Variants of water-meter manhole equipment

Water-meter manhole D800 L, double-wall

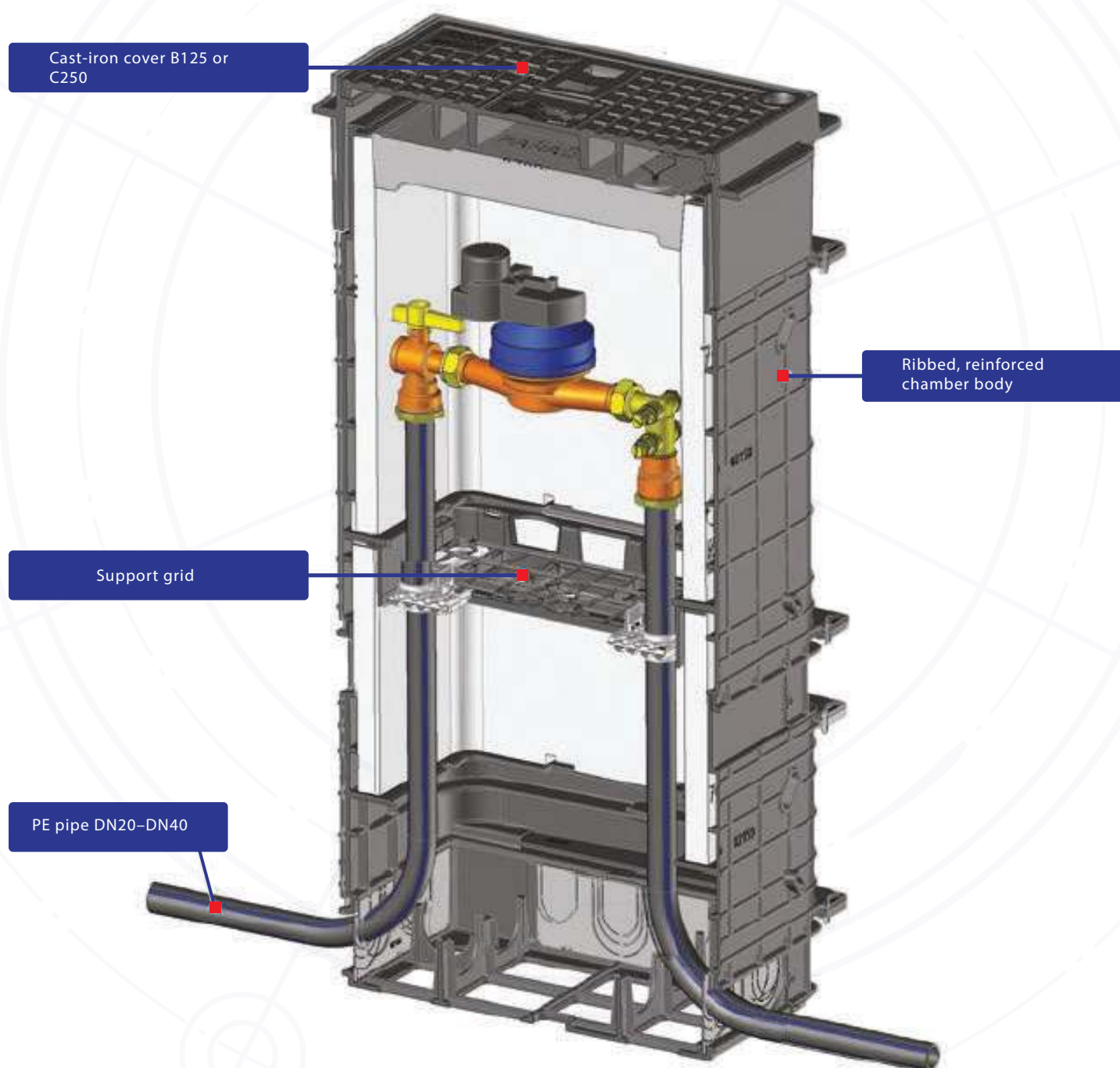


Chamber equipment

	Item	Qty
Chamber equipment	Polyethylene chamber body 800L, H1200, double-wall, with polyethylene Ø590 cover insulated with an air cushion	1
	Gasket DN25	2
	Anti-tamper angle valve with two purge systems and check valve, PE25 × 3/4" (DN15)	1
	Anti-tamper angle valve for water meter, PE25 × 3/4" (DN15)	1
	Fixing brackets	2
	Water pipe D25 PE100 PN16 SDR11	2
	Pressure reducer 3/4" M-M (FE-FE)	1
	Equal coupling 3/4" F-F (FI-FI)	1

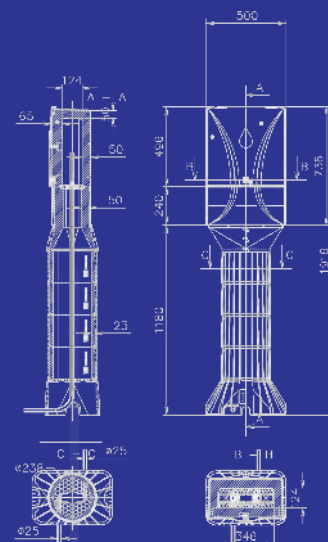
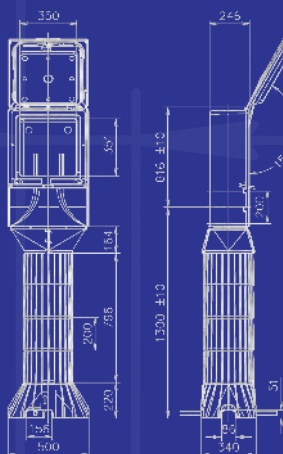
■ Variants of water-meter manhole equipment

H3S

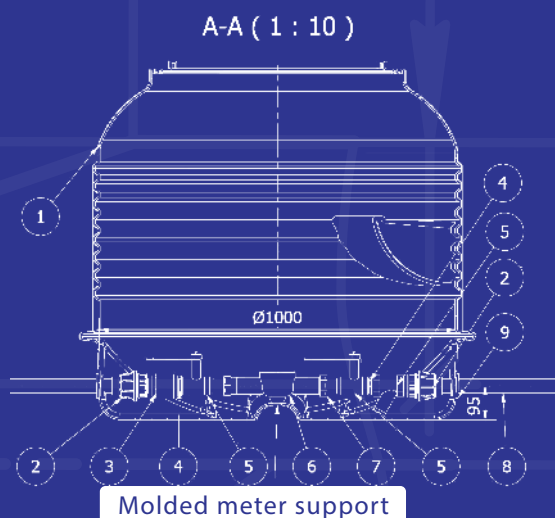


■ Variants of water-meter manhole equipment

Paragel manhole



DN500 & DN1000



Molded meter support

Component list

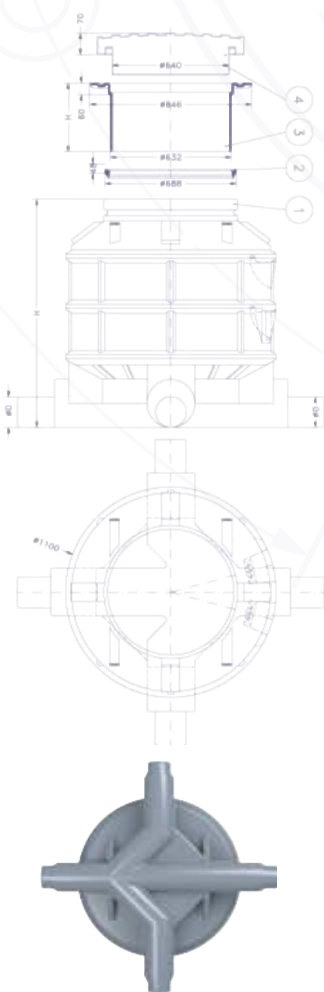
Nr.	Item	Qty
1	DN1000 H1250 PD water-meter manhole body	1
2	Compression coupling PE DN40x1 1/4" PN16 M(FE)	2
3	Check valve 1 1/4" F-F	1
4	Straight connection 1 1/4"	2
5	Brass ball valve, lever type, 1 1/4" DN32, F-F, PN25	2
6	Water meter DN32	1
7	Connection kit	2
8	Water pipe DN40 PE100 PN16 SDR11	2
9	Sealing gasket DN40	2

Ax / Ay type manhole

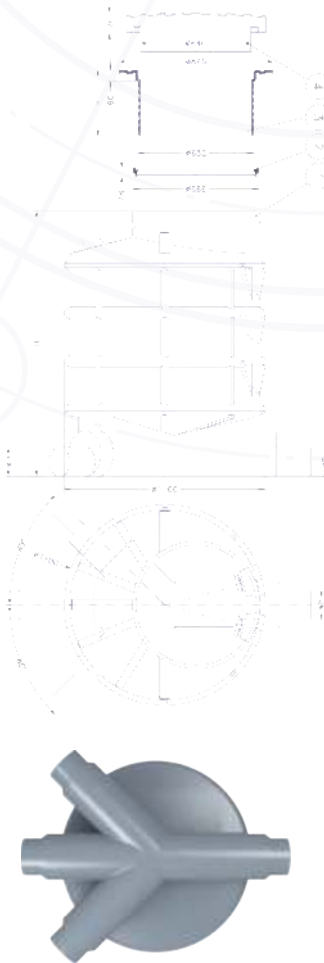
DN1100 AXY inspection chamber with riser



Type	Sewer inspection chamber
Fields of use	Sewer networks; connection chamber
Materiale	Polyethylene
Characteristics	Diameter Ø1100 mm Interior steps for access Fixing gasket for the riser element
Optional components	Riser (elevation) elements 30 cm and 60 cm
Optional chamber equipment	Telescopic riser (elevation) elements – 30 cm; 60 cm PE cover Ø630 Cast-iron or composite covers according to EN 124-1:2025
Advantages	Easy to install Increased mechanical strength; reinforced chamber body
Special conditions	Chambers taller than 3 m have special installation requirements



Ax type manhole



Ay type manhole



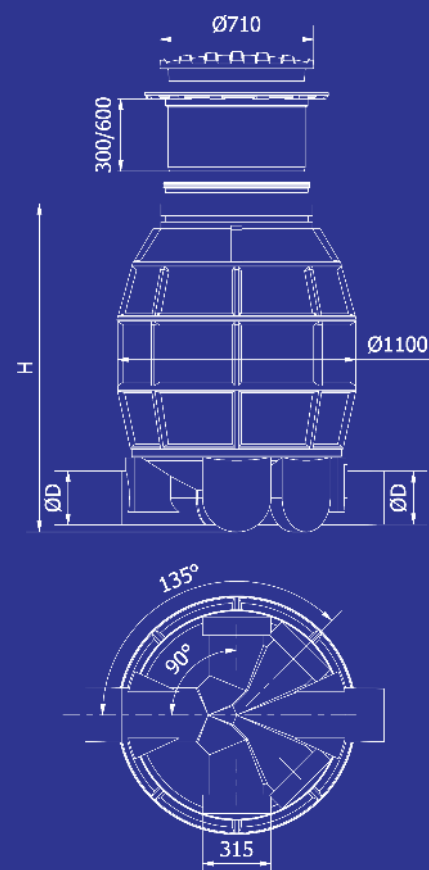
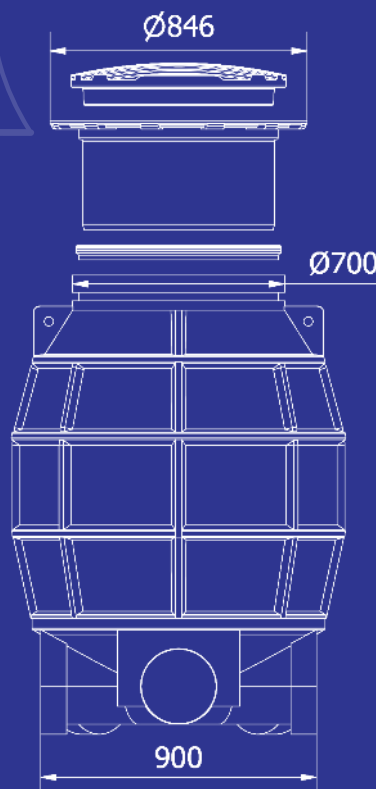
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ANXY-type manholes

ANXY inspection manhole with riser; PE630 cover

Type	Sewer inspection manhole
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene
Color	Grey
Characteristics	Diameter Ø1100 mm; interior steps for access into the manhole
Construction variants	Inline manhole or OUT Ø315 — in this variant, the maximum pipe diameter that can be connected on the chamber sides is Ø315 mm. Inline manhole or OUT Ø250 — in this variant, the maximum pipe diameter that can be connected on the chamber sides is Ø250 mm
Optional components	Telescopic riser (elevation) element fixing gasket; Riser elements 30 cm and 60 cm; PE Ø630 cover; Cast-iron or composite covers per EN 124-1:2025
Advantages	Easy to install; increased mechanical strength; reinforced chamber body
Special conditions	Chambers taller than 3 m have special installation requirements



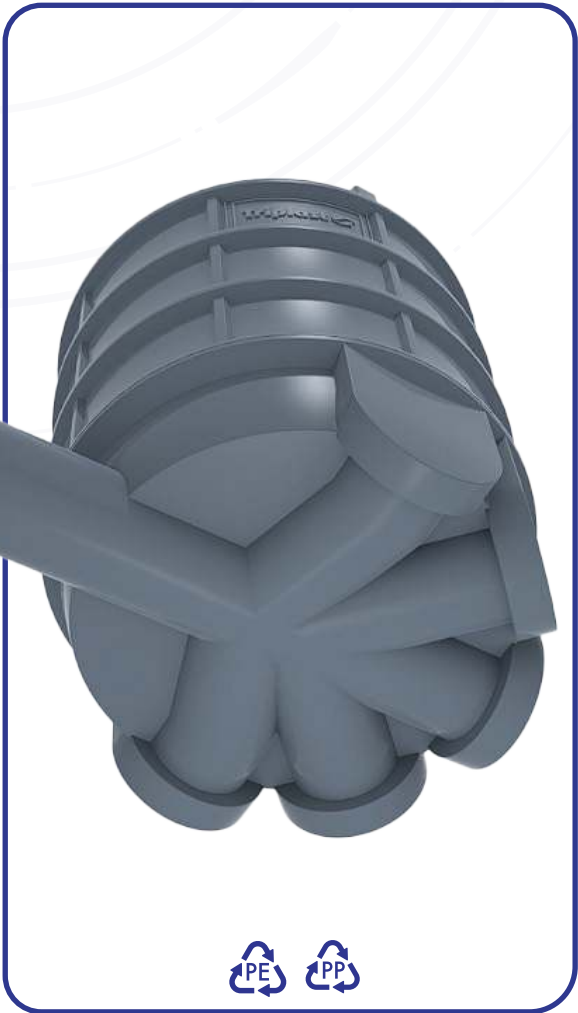
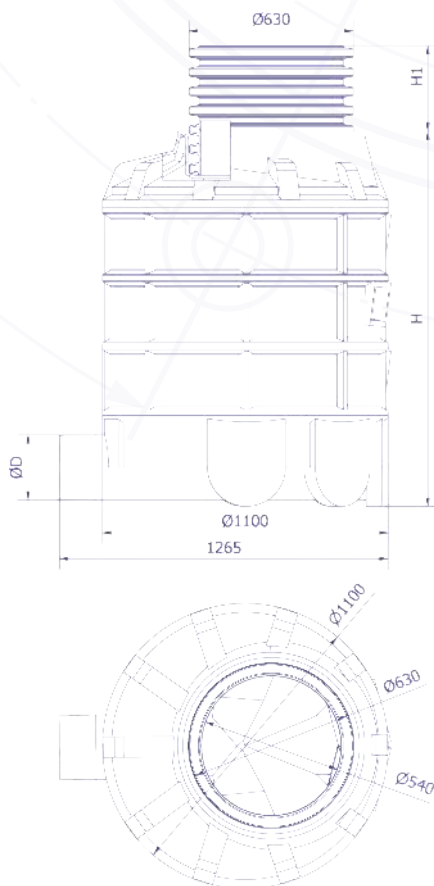
RIF AXY manholes

DN1100 AXY H RIF 630



Type	Sewer inspection manhole
Fields of use	Sewer networks; connection manhole
Materials	Polyethylene
Color	Grey
Characteristics	Diameter Ø1100 mm Interior steps for access into the manhole
Optional components	Corrugated pipe D630 Sealing gasket D630 Cast-iron or composite covers according to EN 124-1:2025
Advantages	Final height adjustable in situ Easy to install Increased mechanical strength; reinforced chamber body
Special conditions	Chambers taller than 3 m have special installation requirements

DN1100 Axy H RIF 630:



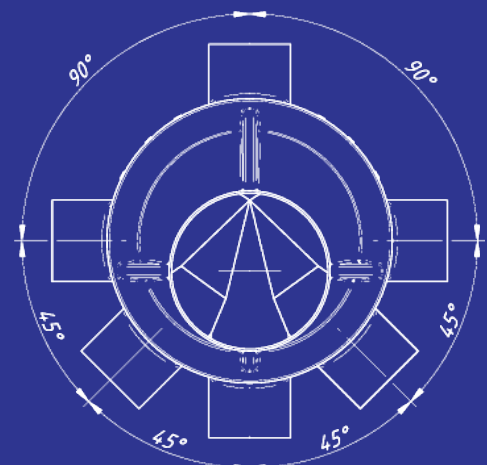
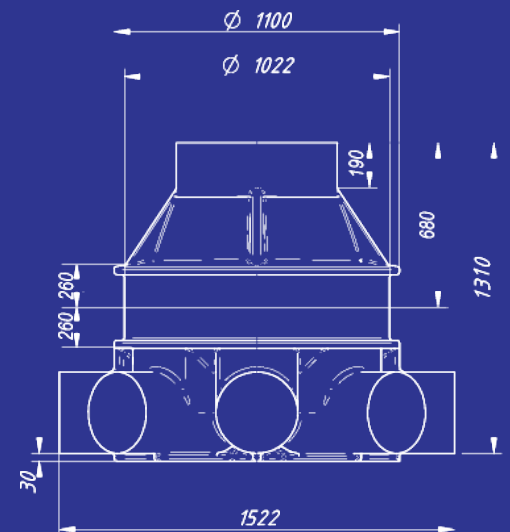
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Modular manholes

1000/1200 Modular manhole

Type	Sewer inspection manhole
Fields of use	Sewer networks; connection manhole
Materials	Polyethylene
Color	Grey
Characteristics	Construction variants: Line (1 in / 1 out), AXY (1 in / 5 out), X (1 in / 3 out) Single-layer / Triple-layer. Diameters: Ø1000 / Ø1200 (corrugated pipe outer Ø). Inner Ø: Ø854 / Ø1000 Dimensions Height – variable (minimum 1100 mm); useful heights: base 370 mm / 570 mm (X variant); top element 420 mm Connections (IN/OUT) with socket – Ø160, Ø200, Ø250, Ø315; Ø400 / Ø500 only for X variant Connections (IN/OUT) with gasket – up to Ø315 (Line and XY variants) Access opening 600 mm. Can be equipped with interior steps (optional). With gasket (DN1000 variant). Monobloc variant – welded joint between chamber and corrugated pipe ensures increased tightness and strength
Optional components	Vehicular or pedestrian area covers per EN 124-1:2025 — cast iron or composite (SMC)
Advantages	Easy to install. Versatile – installation height / final levels can be set on site (neck has cut marks every 50 mm)

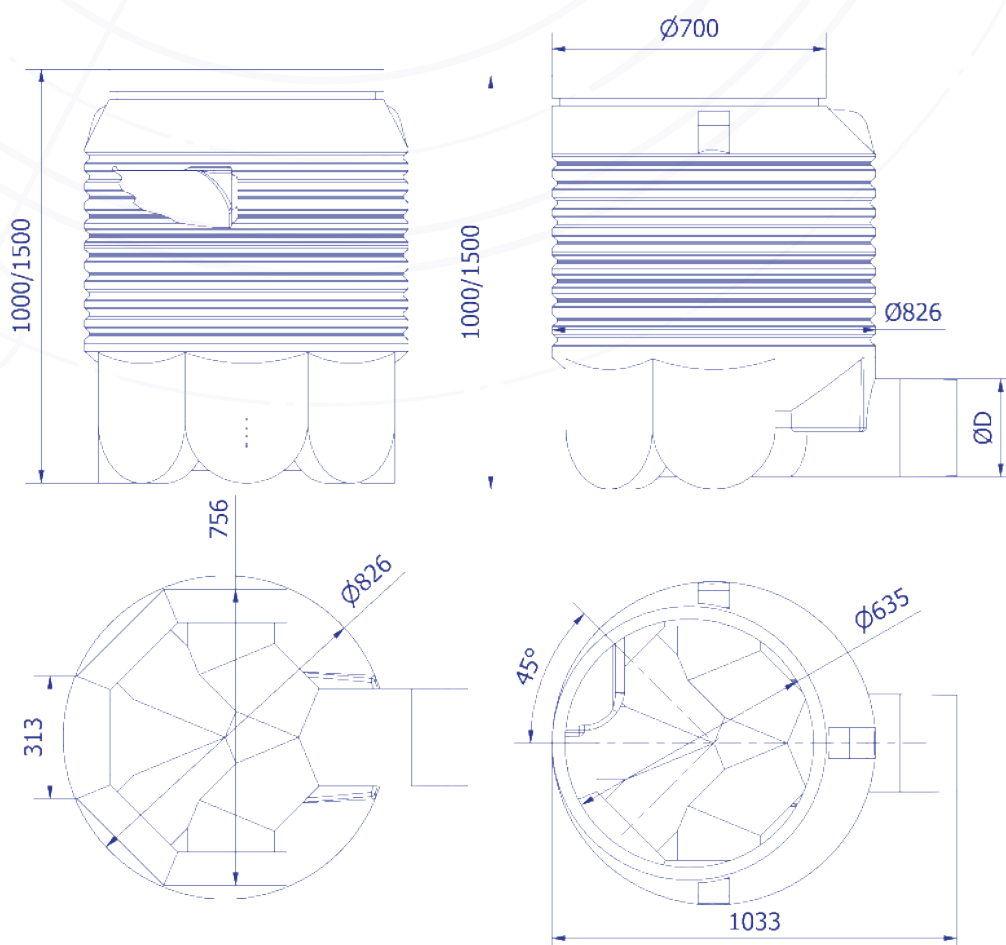


RIF sewer manholes

D800 XY RIF630:



Type	Sewer inspection manhole
Fields of use	Sewer networks; connection manhole
Materiale	Polyethylene
Characteristics	Outer diameter Ø826 mm Height 1000 / 1500 mm Access opening Ø630 mm Possibility of connection with gasket for 5 inlets, up to Ø250 One OUT connection with socket, up to Ø250
Optional components	Interior step for access into the chamber Corrugated pipe D630 Sealing gasket D630 Various cast-iron or composite covers according to EN 124-1:2025
Advantages	Easy to install Increased mechanical strength; ribbed, reinforced chamber body



RIF sewer manholes

Corrugated manhole D800 XY:

Type	Sewer inspection manhole
Fields of use	Sewer networks; connection manhole
Materials	Polyethylene
Color	Grey
Characteristics	Outer diameter Ø820 mm Height: 1000 mm, 1500 mm Access opening Ø630 mm Connection option with gasket for 5 inlets, up to Ø250 One OUT connection with socket, up to Ø250 Interior step for access into the chamber
Optional components	PE 630 cover Cast-iron or composite covers according to EN 124-1:2025 Telescopic Riser elements 30 cm and 60 cm Fixing gasket for the telescopic riser element
Advantages	Easy to install Increased mechanical strength; ribbed, reinforced chamber body



Corrugated manhole D800 Line:

Type	Sewer inspection manhole
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene
Color	Grey
Characteristics	Outer diameter Ø820 mm Height: 1100 mm, 1600 mm Access opening Ø630 mm One IN/OUT connection with socket, up to Ø250 Interior step for access into the chamber
Optional components	PE 630 cover Cast-iron or composite covers according to EN 124-1:2025 Telescopic Riser elements 30 cm and 60 cm Fixing gasket for the Telescopic Riser element
Advantages	Easy to install Increased mechanical strength; ribbed, reinforced chamber body

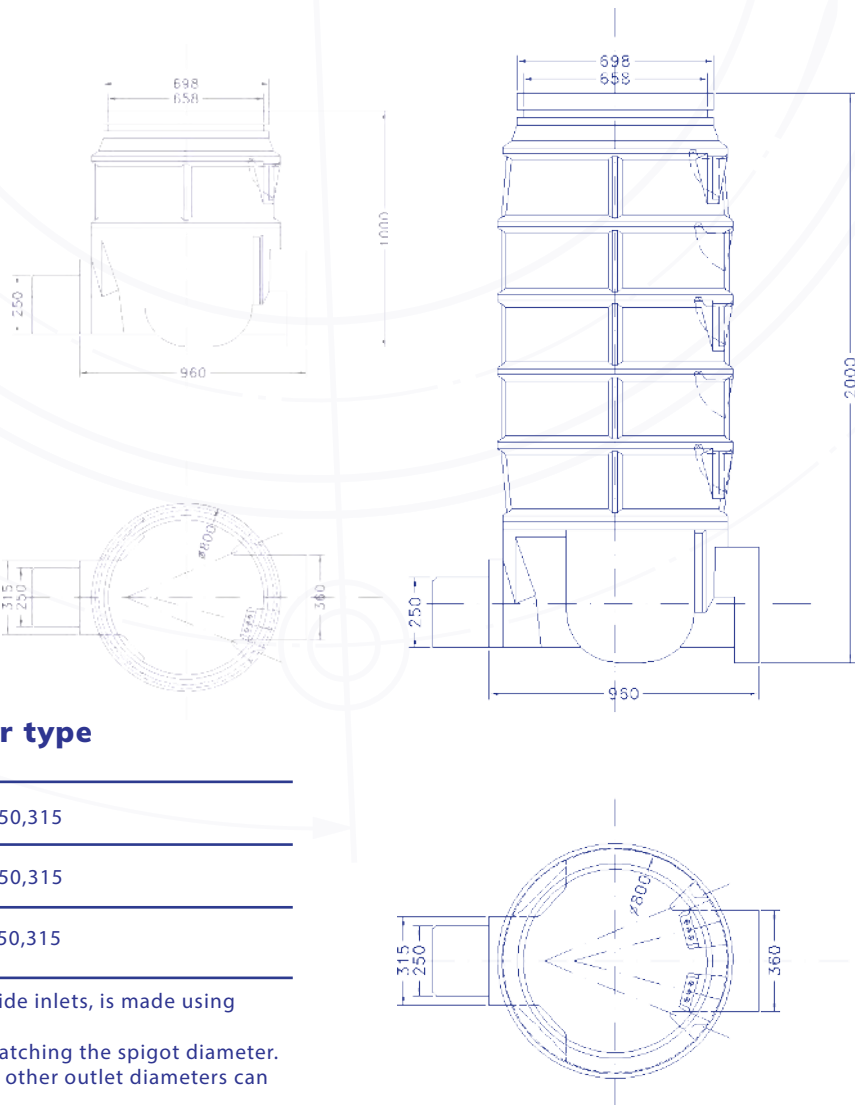


Sewer manholes

Monolith sewer inspection manhole D800:



Type	Sewer inspection manhole
Fields of use	Sewer networks; connection manhole
Materials	Polyethylene
Characteristics	Diameter 800 mm Heights: 1000 / 1500 / 2000 mm Interior steps for access into the chamber
Optional components	Fixing gasket Riser (elevation) elements: 30 cm, 60 cm PE 630 cover Cast-iron or composite covers according to EN 124-1:2025
Advantages	Easy to install Increased mechanical strength; ribbed, reinforced chamber body



Height (mm)	Chamber type
1000 mm	PE D800 Chamber out 160,200,250,315
1500 mm	PE D800 Chamber out 160,200,250,315
2000 mm	PE Chamber D800 out 160,200,250,315
Observation	In-line entry with the outlet, plus side inlets, is made using sealing/fixing gaskets. The outlet is made with a socket matching the spigot diameter. On request, within technical limits, other outlet diameters can be made, up to max Ø315 mm

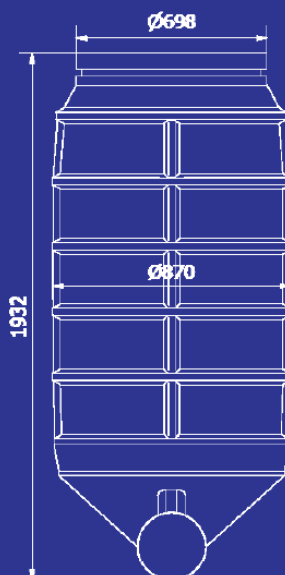
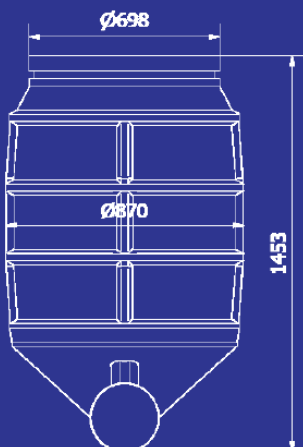
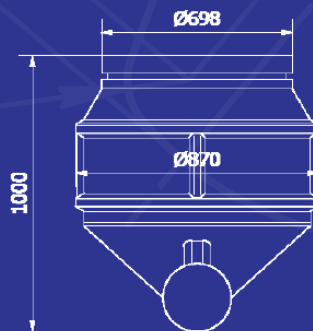
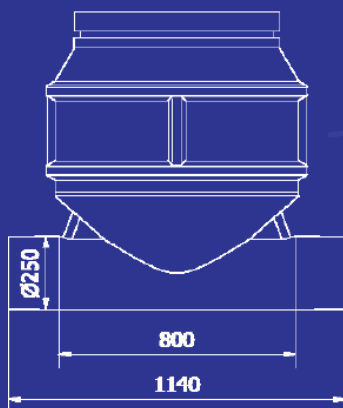
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Sewer manholes

D800 Line manhole:

Type	Sewer inspection manhole
Fields of use	Water supply networks; connection chamber
Materials	Polyethylene
Color	Grey
Characteristics	Diameter 800 mm Height 1000 / 1500 / 2000 mm Access opening Ø600 mm Socket connection options, IN/OUT: Ø250, Ø200, Ø160, Ø110 mm Interior step, optional, for access into the chamber
Optional components	PE 630 cover Various cast-iron or composite covers according to EN 124-1:2025, Telescopic Riser (elevation) element heights: 30 cm; 60 cm Fixing gasket for the Telescopic riser element
Advantages	Easy to install Increased mechanical strength; ribbed, reinforced chamber body



DN 800 Classic 3 in 1out



Riser elements

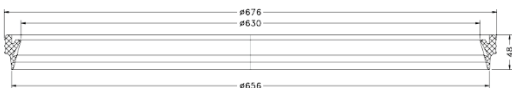
Riser elements DN630



Type	Riser element DN630
Fields of use	Sewer networks, connection/inspection manholes
Materials	Polyethylene
Fields of use	Outside diameter Ø676 mm Inside diameter Ø630 mm Height 48 mm
Characteristics	Height: 600 mm, 300 mm
Advantages	Easy to install Good mechanical strength Low weight No masonry work required

Type	Gasket Ø630
Fields of use	Sewer networks; connection chamber
Materials	EDPM
Fields of use	Water networks; sewer networks; inspection chambers; usable as sealing between the H60/H30 riser element and the access opening of D800 and D1100 chambers
Characteristics	Outside diameter Ø676 mm Inside diameter Ø630 mm Height 48 mm
Advantages	Easy to install High sealing performance Reduced costs; no masonry work required

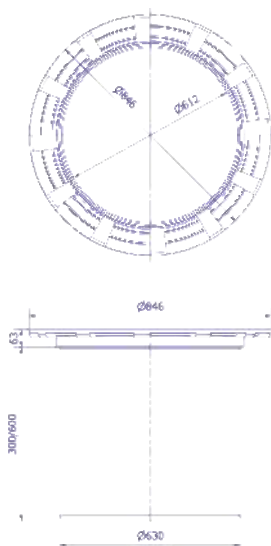
Gasket Ø630



DN800 —
gasket installation
with ER
(riser element)



Riser element
60/30



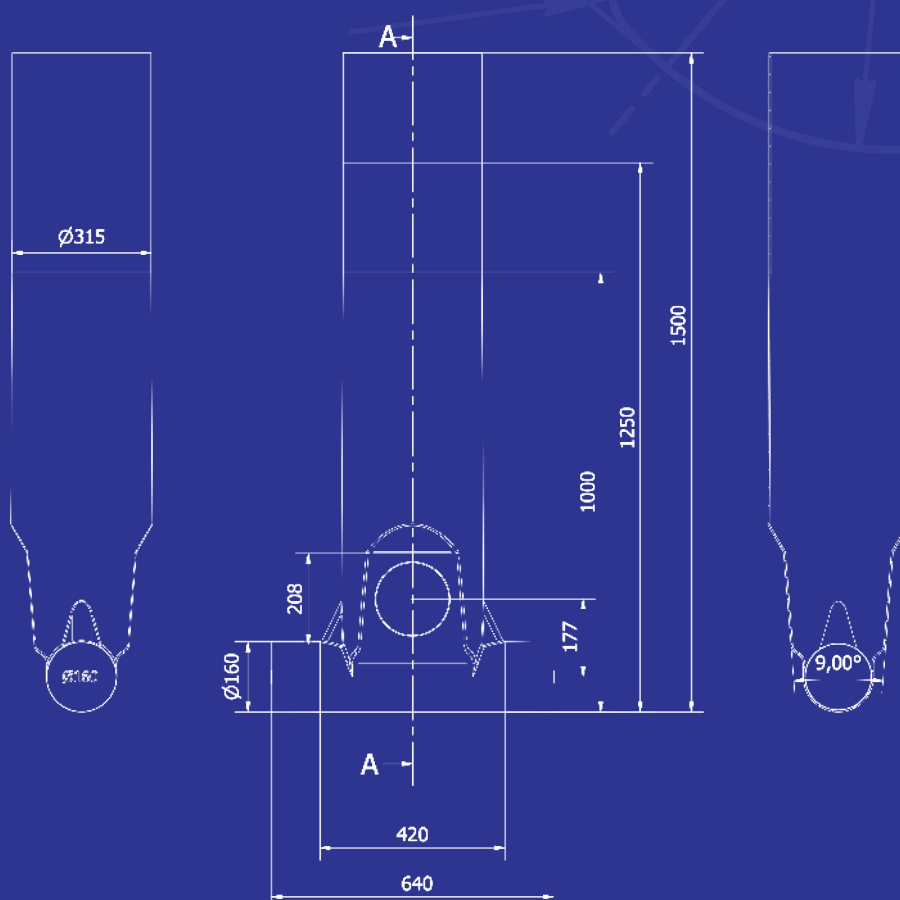
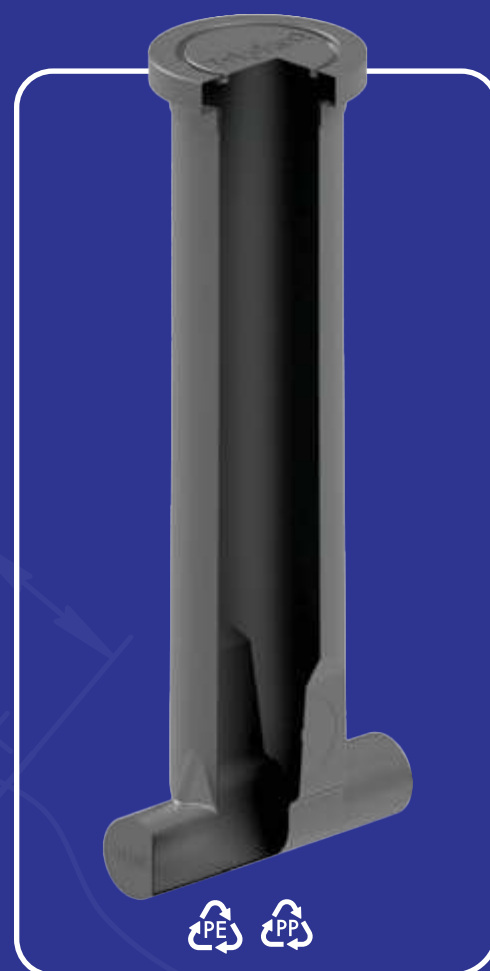
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Monolith inspection chambers

Monolith inspection chamber DN315:

Type	Sewer inspection chamber
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene, or on request polypropylene
Standard	SR EN 13598-1:2020 SR EN 13598-2:2020
Characteristics	Height 1000–1500 mm Length ~420 mm without connections; ~640 mm with connections Nominal column diameter Ø315 mm Connection inline IN/OUT with socket: Ø110, Ø125, Ø160 mm optional side connection with gasket: Ø110, Ø125, Ø160 mm
Optional components	Cover: PE DN400 Cast-iron or composite cover EN 124-1:2025
Advantages	Easy to install Increased mechanical strength; reinforced chamber body Reduced costs; no masonry required Can be cut to any desired height Side connection possible



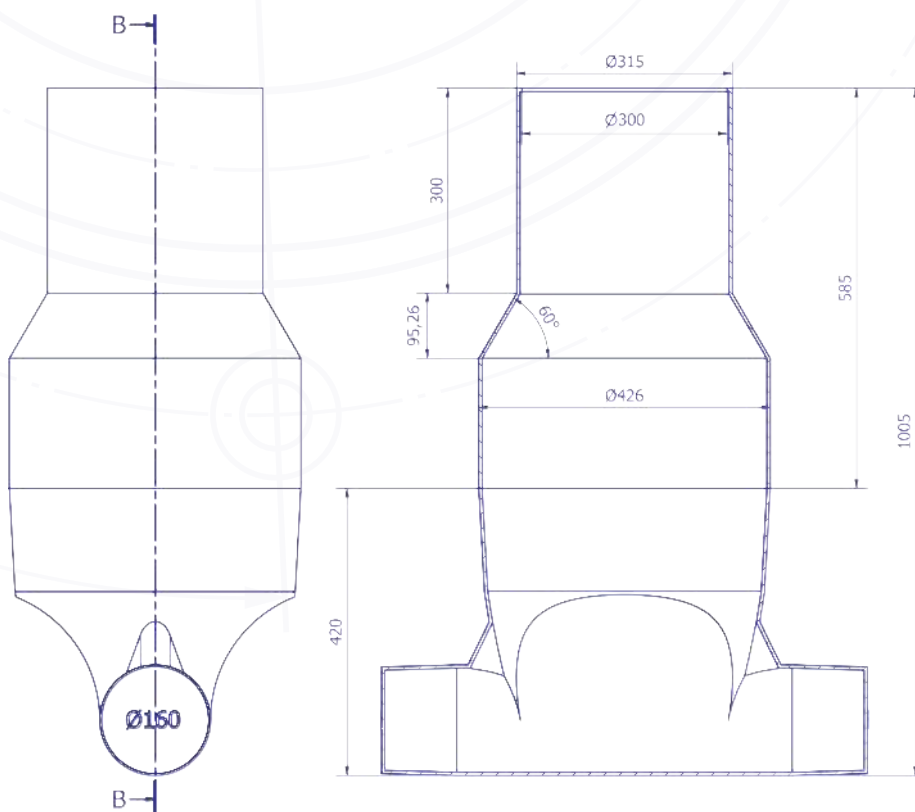
Monolith inspection chambers

Monolith inspection chamber DN400



Type	Sewer inspection chamber
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene; on request polypropylene
Characteristics	Height 1000 / 1250 / 1500 mm Length ~460 mm without connections; ~710 mm with connections Nominal column diameter 426 mm, reduced to 315 mm Connections: inline IN/OUT with socket: Ø110, Ø125, Ø160 mm 3IN-1OUT at 90°, with socket: Ø110, Ø125, Ø160 mm
Optional components	Cover: PE DN400 Cast-iron or composite cover EN 124-1:2025
Advantages	Easy to install Increased mechanical strength; reinforced chamber body Reduced costs; no masonry work required Side connection possible

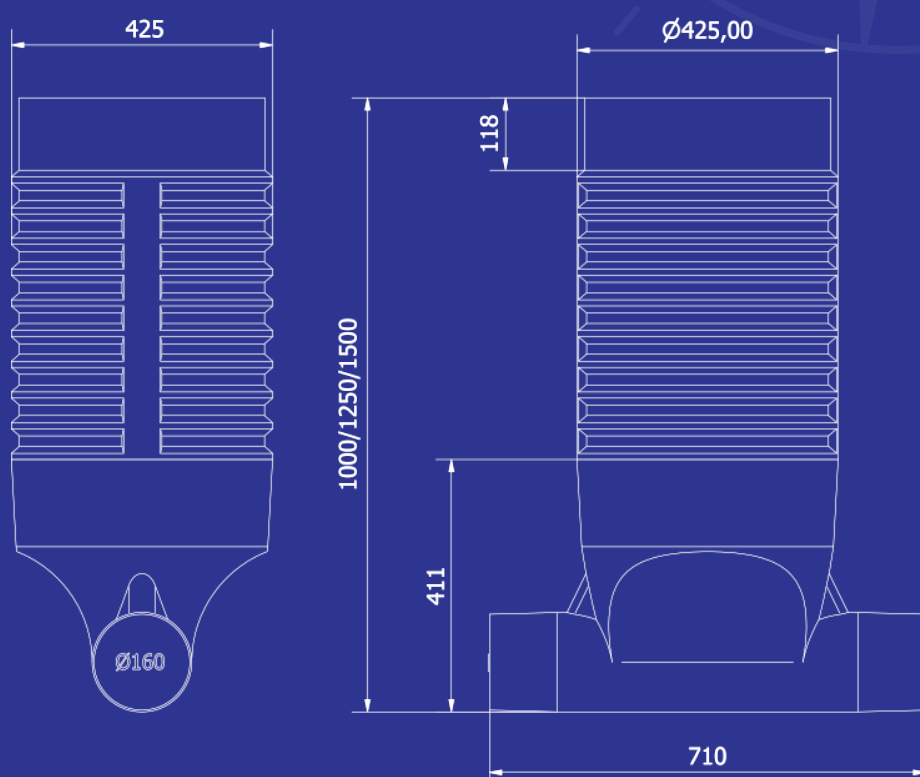
DN400 3IN 1OUT Monolith H150



■ Monolith inspection chamber

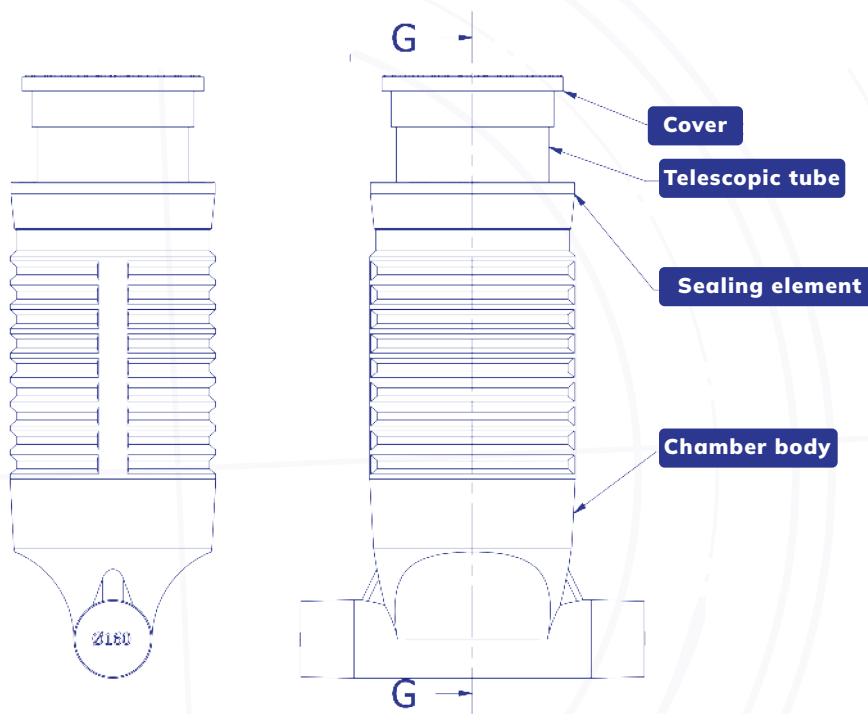
Monolith inspection chamber DN400 (corrugated):

Type	Sewer inspection chamber
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene; on request polypropylene
Standard	SR EN 13598-1:2020 SR EN 13598-2:2020
Characteristics	Height 900 / 1000–1500 mm Length ~490 mm without connections; ~710 mm with connections Nominal column diameter 425 mm Connections: inline IN/OUT with socket: Ø110, Ø125, Ø160 mm 3IN–1OUT at 90°, with socket: Ø110, Ø125, Ø160 mm Option to add a riser element with: sleeve 400/315, or
Optional components	For connection: sleeve or transition gasket PVC riser pipe Ø315 with telescopic cover Cover: PP; cast iron or composite EN 124-1:2025
Advantages	Easy to install Increased mechanical strength; reinforced chamber body Reduced costs; no masonry work required Can be cut to any height Side connection possible

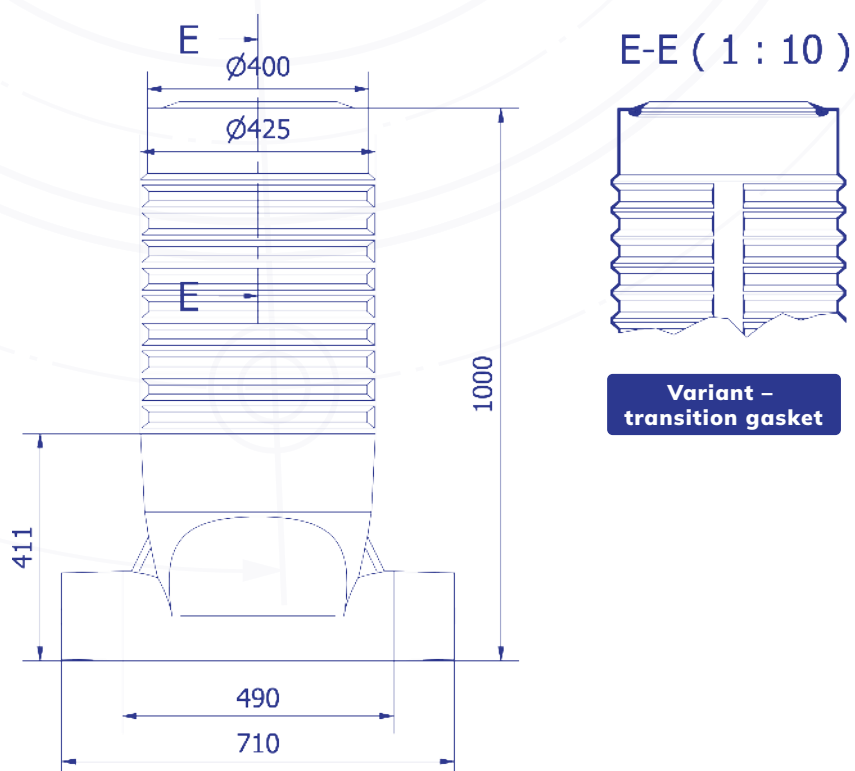


■ Monolith inspection chamber

Monolith inspection chamber body equipped with a transition sleeve and a cover with telescopic PVC tube



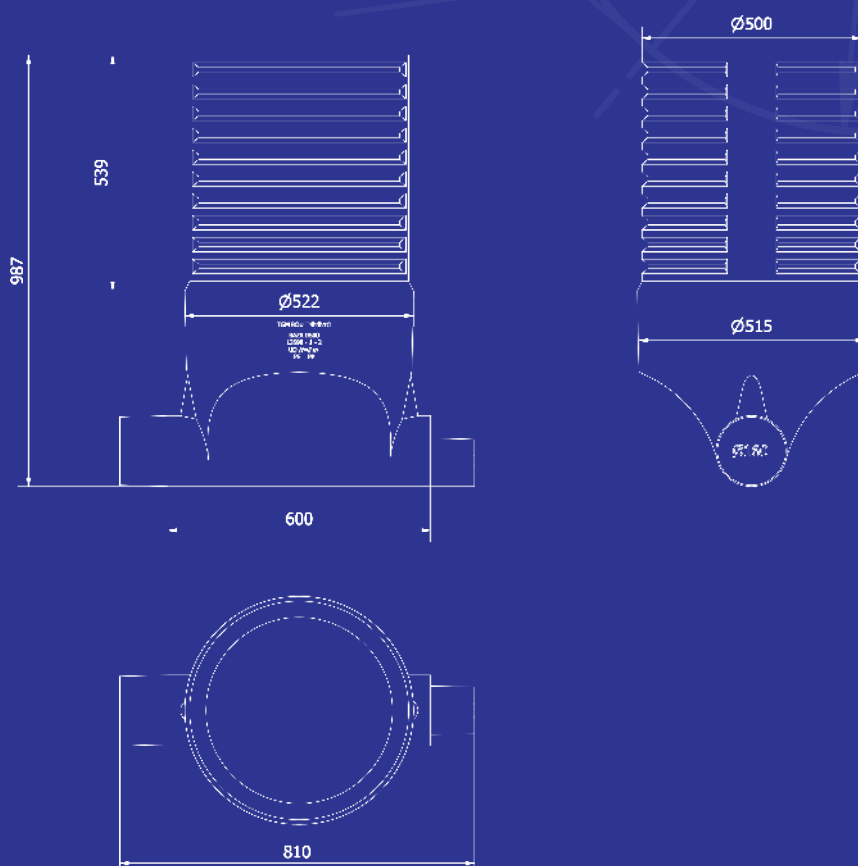
Monolith inspection chamber body equipped with a transition gasket and a cover with telescopic PVC tube.



Monolith inspection chamber

Cămin inspecție monolith DN500 Riflat:

Type	Sewer inspection chamber
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene; on request polypropylene
Standard	SR EN 13598-1:2020 SR EN 13598-2:2020
Characteristics	Height 1000 / 1250 / 1500 mm Length without connections ~700 / ~850 mm Length with connections (max.) ~880 / ~1150 mm Possibility of side connection Includes options for "slope break" connection, allowing the sewer route to adapt to site conditions
Optional components	Cover: PE 600 Cast-iron or composite cover EN 124-1:2025
Advantages	Easy to install Increased mechanical strength; ribbed, reinforced chamber body Lower cost; no masonry required Can be cut to any desired height Side connection possible



Ribbed D500 monolith chamber assembly with 500-315 sleeve and PVC pipe with cover



■ Monolith inspection chamber

Monolith DN630 AX ribbed assembly with PE cover



Type	Sewer inspection chamber
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene; on request polypropylene
Standard	SR EN 13598-1:2020 SR EN 13598-2:2020

Characteristics

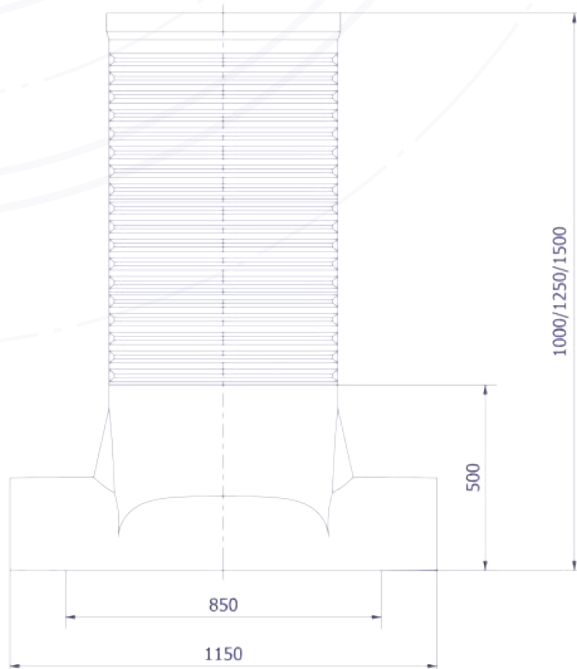
Height 1000, 1250, 1500 mm
Length without connections ~700/850 mm;
with connections (max.) ~880/1150 mm
Nominal column diameter 630 mm
Connection: inline
IN/OUT with socket: Ø110–250 mm
3IN/1OUT: outlet with transition gasket up to Ø250 mm
In the Line variant, the monobloc inspection chamber allows pipes to be connected at an angle by using a transition gasket, for diameters up to Ø250 mm.
This solution also enables connections with a slope break, making it easier to adapt the sewer route to site conditions.

Optional components	PE 600 cover Cast-iron or composite covers EN 124-1:2025
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Advantages

Easy to install
Increased mechanical strength; reinforced chamber body
Reduced costs; no masonry required
Can be cut to any desired height
Side connection possible

Monolith inspection chamber DN630 Line



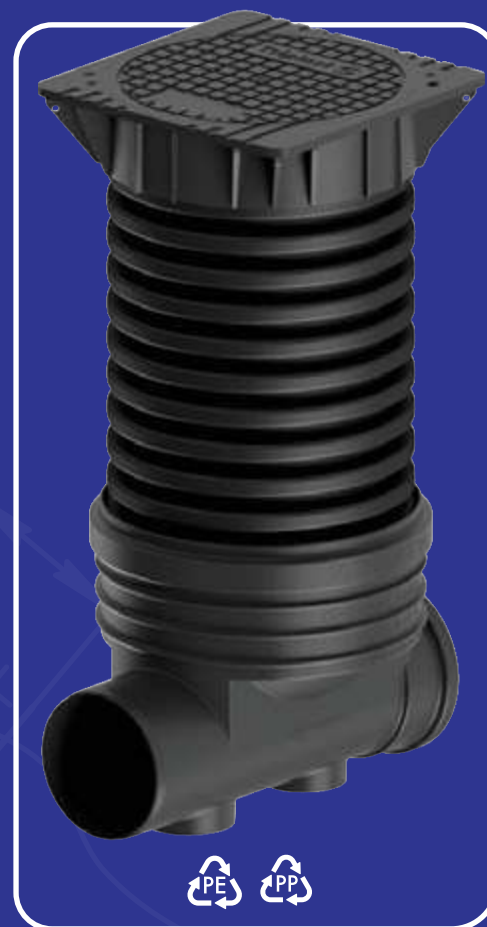
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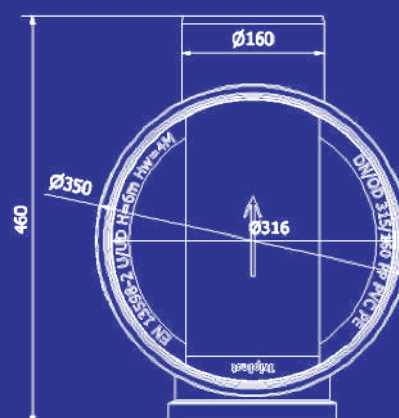
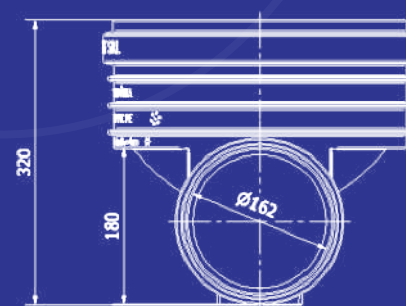
Injection-moulded Inspection manhole bases

PP chamber base DN315i – 1 in / 1 out – D160

Type	Sewer inspection chamber base
Fields of use	Sewer networks; inspection/record chambers
Materials	Polyethylene
Characteristics	Total height: 320 mm Useful height: 250 mm Length: — In-line pipe connections Ø160 IN side with gasket OUT side with socket (coupling)
Optional components	D315 double-wall corrugated pipe (column) Column fixing gasket Smooth D315 pipe Covers: PE, or ductile iron/composite (EN 124 compliant)
Advantages	Easy to install, Increased mechanical strength; reinforced chamber body Lower cost—no masonry needed; can be produced to any height and pipe diameter on request



DN315 PVC & Corrugated pipe



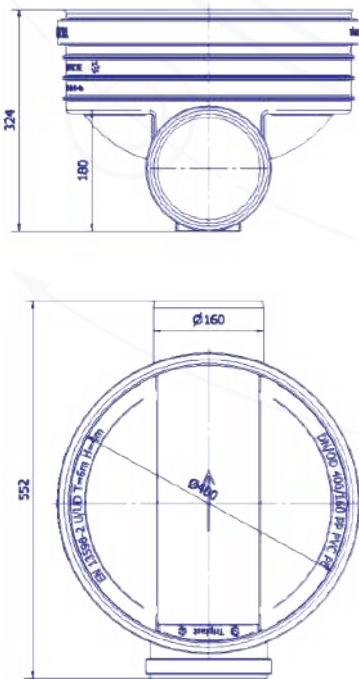
■ Injection-moulded Inspection manhole bases



PP chamber base DN400i – 1 in / 1 out – D160

Type	Sewer inspection chamber base
Fields of use	Sewer networks, inspection/record chamber
Materials	Polyethylene
Characteristics	Total height: 320 mm Useful height: 250 mm Length: 310 mm (without couplers) / 460 mm (with couplers) Connection: in-line Ø160 — IN with gasket, OUT with socket
Optional components	D400 double-wall corrugated pipe Pipe fixing gasket D400 smooth pipe Covers: PE or ductile iron/composite (EN 124 compliant)
Advantages	Easy to install High mechanical strength; reinforced chamber body Lower cost—no masonry needed; can be made to any height and pipe diameter on request

DN400



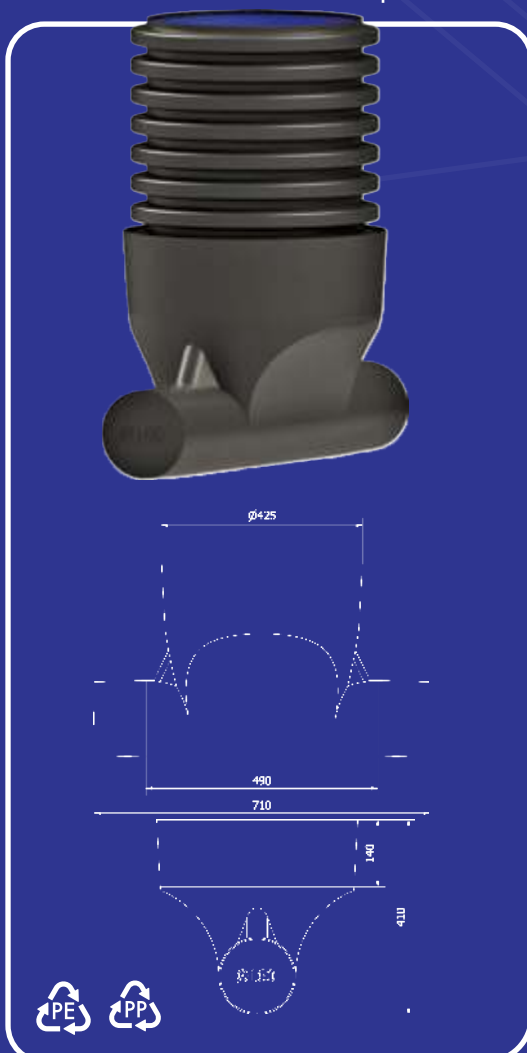
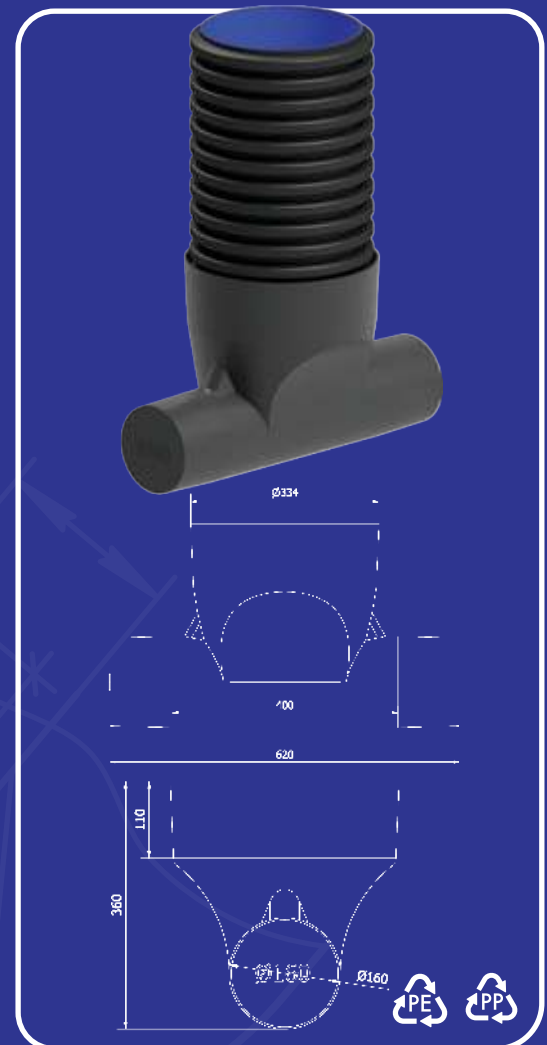
*The images in the catalog are illustrative and do not entail contractual liability.

**Products may be modified without prior notice.

■ Inspection manhole bases

DN315:

Type	Sewer inspection chamber base
Fields of use	Sewer networks; connection chambe
Materials	Polyethylene
Characteristics	Total height ~360 mm Useful height ~250 mm length – without connections ~400 mm – with connections ~620 mm Connection – inline. IN/OUT with socket, Ø110 to Ø160 mm
Optional components	Gasket fitted riser 400/315 sleeve for PVC riser Ø315 PVC riser Ø315 with EN 124-1:2025 cover Covers: PE; cast iron or composite EN 124-1:2025
Advantages	Easy to install Increased mechanical strength; ribbed, reinforced chamber body Reduced costs; no masonry required Can be manufactured to any desired height and, on request, to any pipe diameter



DN400:

Type	Sewer inspection manhole base
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene
Characteristics	Construction variants – Line (1 inlet, 1 outlet) – 3 inlets at 90°, 1 outlet Total height ~410 mm Useful height ~270 mm Length – without connections ~490 mm – with connections ~710 mm Connection – IN/OUT with socket from Ø110 up to Ø160
Optional components	Corrugated column D400, double-wall Gasket fitted riser for the column Sleeve 400/315 for PVC riser Ø315 PVC riser Ø315 with EN 124-1:2025 cover Covers – PE – cast iron or composite (per EN 124-1:2025)
Advantages	Easy to install Increased mechanical strength; reinforced chamber body Reduced costs; no masonry work required Can be manufactured to any desired height and any pipe diameter, on request

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Sewer inspection manhole base



DN500:

Type	Sewer inspection manhole base
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene
Characteristics	Total height ~450 mm Useful height ~270 mm Length without connections ~600 mm with connections ~820 mm Connection inline IN/OUT with socket, from Ø110 up to Ø160 mm
Optional components	Corrugated column D630, double-wall Fixing gasket for the column Cover: cast iron or composite (EN 124-1:2025)
Advantages	Easy to install, Increased mechanical strength, reinforced chamber body, Reduced costs; no masonry construction required, Can be manufactured to any desired height and pipe diameter, on request

Type	Sewer inspection manhole base
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene
Characteristics	Construction variants Line (1IN / 1OUT) — socket connection X — 3IN / 1OUT at 90° — socket connection Y — 3IN / 1OUT at 45° — socket connection X — 3IN / 1OUT at 90° — gasket connection Total height ~610 mm / 510 mm (Line / gasket-connection variants) Useful height ~370 mm / 310 mm (Line / gasket-connection variants) Length: without connections ~660 mm with connections ~1000 mm Connection IN/OUT with socket, from Ø110 up to Ø250 mm with gasket up to Ø250 mm (constructive variant for inlet with gasket)
Optional components	Corrugated column D630, double-wall Fixing gasket for the column Cover: cast iron or composite (EN 124-1:2025)

DN600:



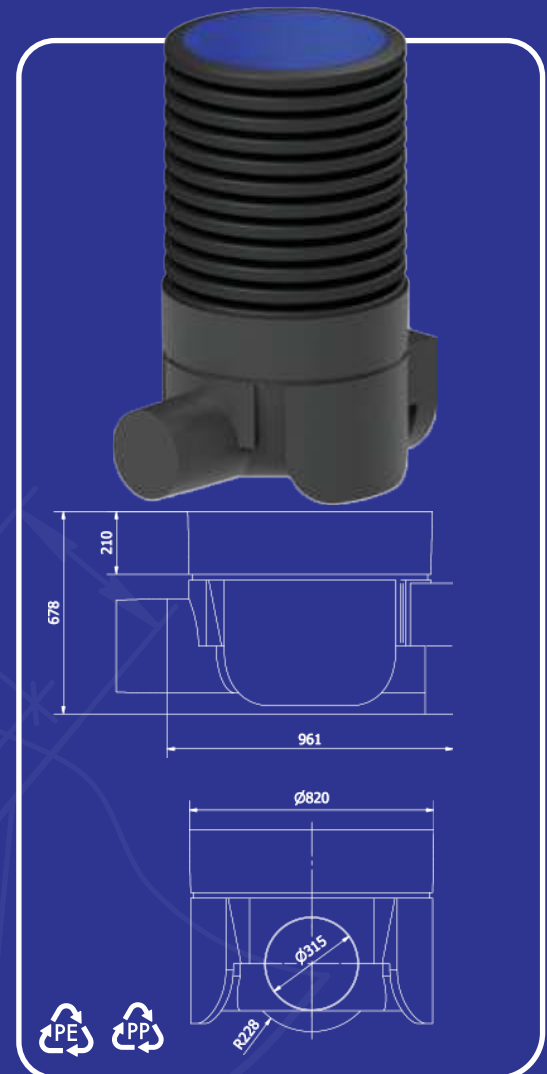
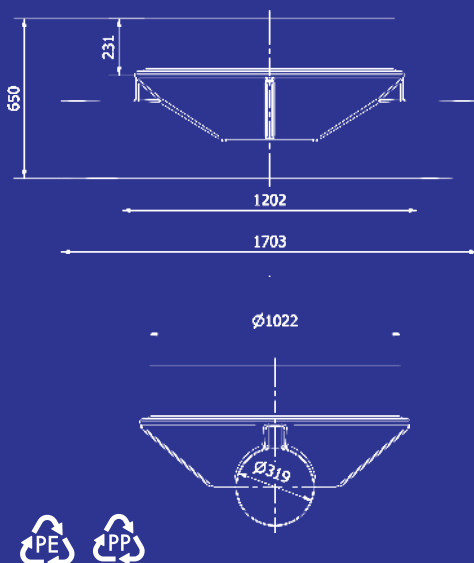
*The images in the catalog are illustrative and do not entail contractual liability.

**Products may be modified without prior notice.

Sewer inspection manhole base

DN800:

Type	Sewer inspection manhole base
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene
Characteristics	Line (1IN 1OUT) — socket connection, max Ø250 R — inline or at an angle — connection with transition gasket, max Ø315 Active height ~580 mm Useful height ~400 mm Length without connections ~800 mm (Line variant) with connections ~1000 mm Connection IN/OUT with socket, from Ø110 up to Ø160 mm
Optional components	DN800 corrugated riser, double-wall Gasket mounted riser Cover cast iron or composite (EN 124-1:2025)



DN1000:

Type	Sewer inspection manhole base
Fields of use	Sewer networks; connection chamber
Materials	Polyethylene
Characteristics	Line (1IN / 1OUT) — inlet connection with socket/gasket up to Ø315 X (3IN / 1OUT at 90°) — socket connection up to Ø500 XY (5IN / 1OUT) — socket connection up to Ø315 Total height ~370 mm / 570 mm (Line/XY variant / X variant) Useful height ~370 mm / 570 mm (Line/XY variant / X variant) Length without connections ~1200 mm with connections ~1500 mm Connection IN/OUT with socket, from Ø110 up to Ø315 (Line and XY); up to Ø500 for X variant with gasket up to Ø315 (Line variant)
Optional components	Corrugated column D1000, double-wall Fixing gasket for the column Cover Cast iron or composite (EN 124-1:2025)

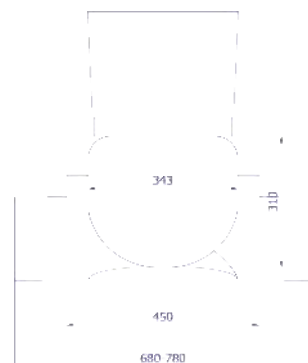
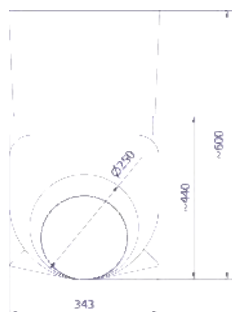
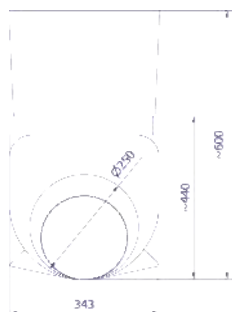


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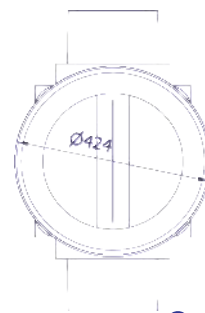
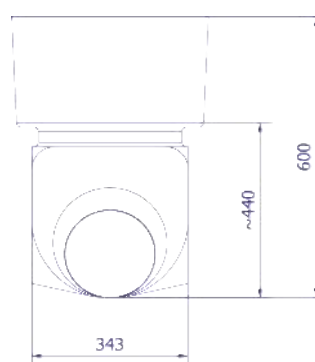
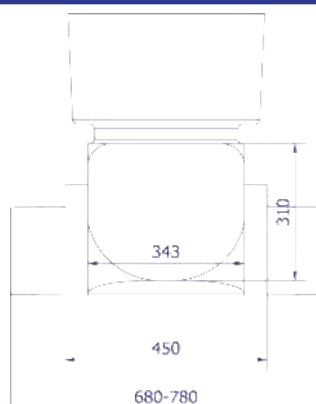
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Sewer inspection manhole base

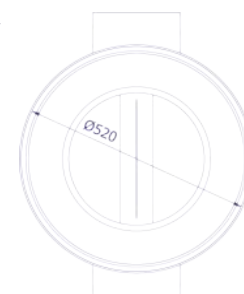
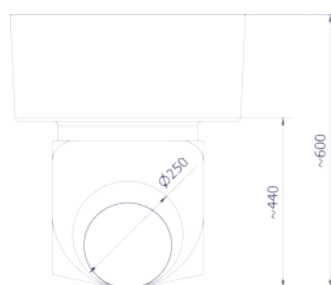
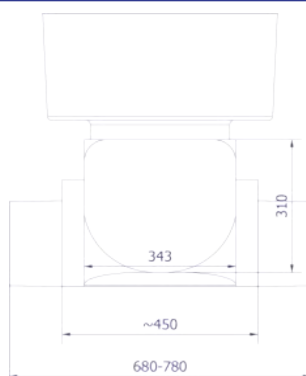
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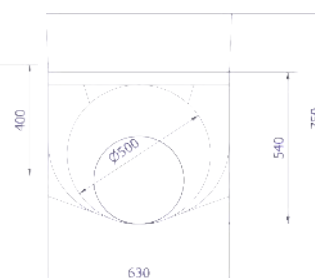
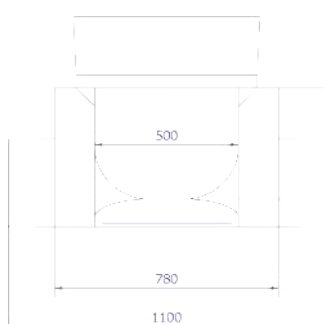
DN400R:



DN500R:

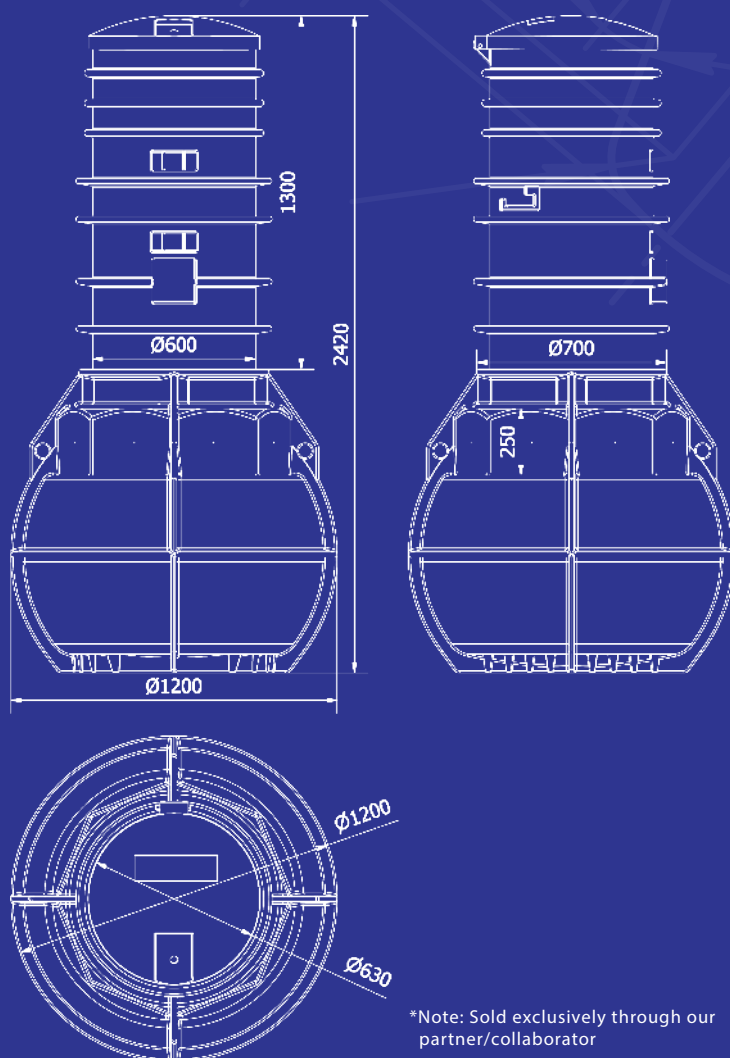


DN600R:

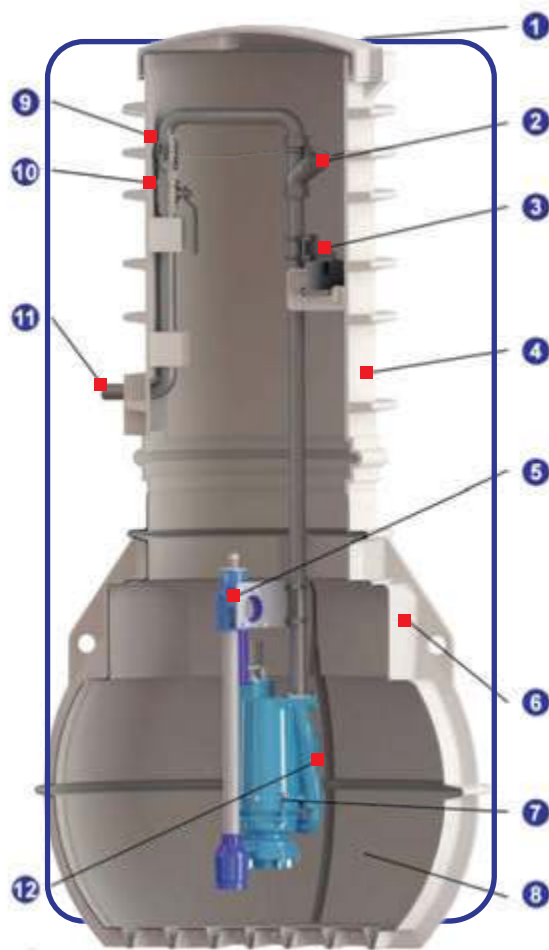


Manhole for sewerage under pressure

Type	Sewer manhole
Fields of use	Pressure or vacuum sewer networks; pumping stations
Materials	Polyethylene
Characteristics	Maximum diameter 1200 mm Height H 2300 mm PE cover with hinge Access opening Ø580 mm Pipe-clamping elements for Ø40 pipe Interior steps Flat connection surfaces Locking system operable with special key (optional)
Advantages	Easy to install Increased mechanical strength; reinforced chamber body One-piece, molded watertight product (monolith) Cover can be custom-molded



Manhole for sewerage under pressure



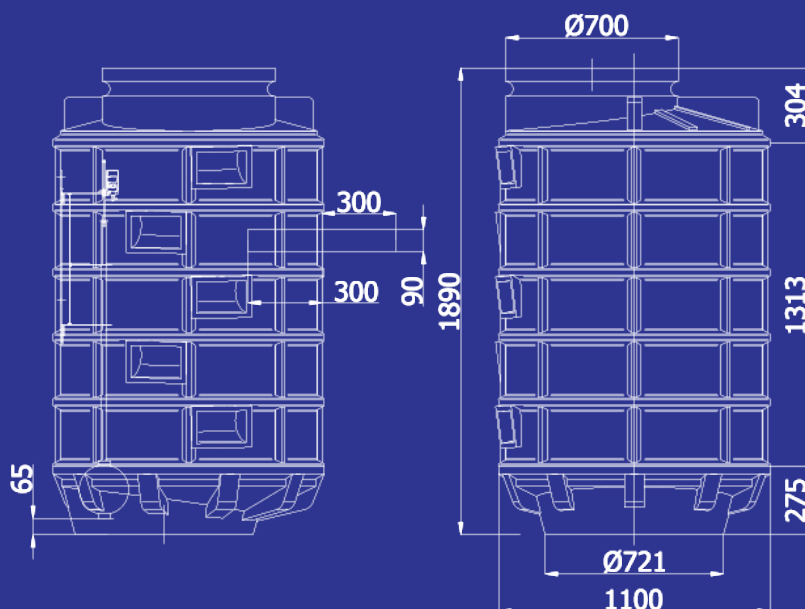
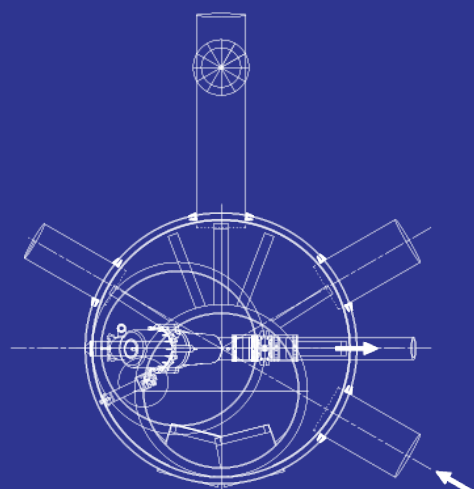
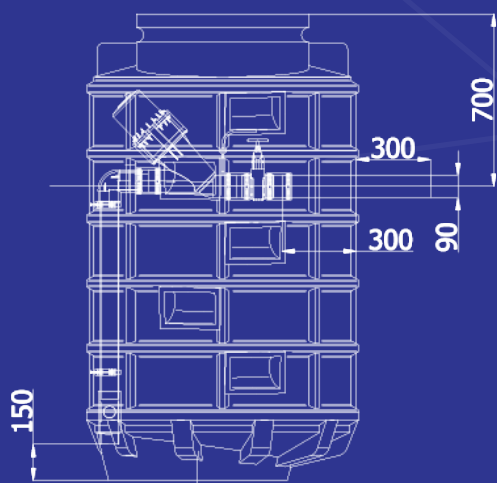
Nr.	Description
1	Plastic cover with hinge, locking system, blends naturally into the surroundings
2	AVK stainless-steel ball valve
3	Suspension support in stainless steel AISI 316
4	ESPS™ – Pressure-dependent automatic level control, with start/stop/alarm contacts; eliminates grease build-up in the pump sump; no adjustment of start/stop/alarm levels needed
5	Rotomolded modular pump sump made with a Ø600 mm tube from a tray-shaped pump tank; molded as a single assembly; standard height 2.2 m; assembled and factory-tested; OkoTran™ modular pumping station supplied to the height required for the duty, up to 3.6 m
6	Optional placement of 8 inlet points; sealed finish with Insitu seal for PVC inlet Ø110 or Ø160 mm
7	Two-stage Vortex grinder pump, 1.5 kW, head up to 60 m, flow 1.8 l/s
8	Rotomolded pump tank Ø1000 mm; tray design ensures shape stability and stays free of deposits
9	Pump pressure pipe and discharge pipe connected by Camelot stainless-steel coupling
10	Stainless-steel ball valve for closing the discharge pipe
11	AISI 316 stainless-steel pressure pipe, 1¼"; discharge connection is 1¼" threaded
12	Protects against negative suction head and ensures the sump does not empty; prevents air pockets forming in the pump housing

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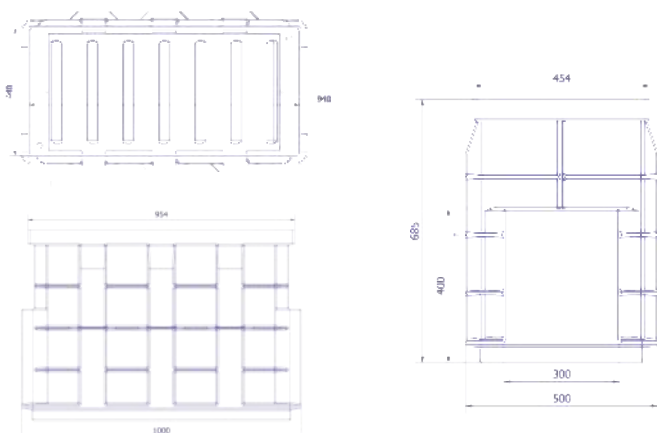
**Products may be modified without prior notice.

Manhole for sewerage under pressure

Type	Sewerage manhole
Fields of use	Pressure or vacuum sewer networks; pumping stations
Materials	Polyethylene
Characteristics	Maximum diameter 1200 mm Height H 2300 mm PE cover with hinge Access opening Ø580 mm Pipe-clamping elements for Ø40 pipe Interior steps Flat connection surfaces Locking system operable with special key (optional)
Advantages	Easy to install Increased mechanical strength; reinforced chamber body One-piece molded watertight product (monolith) Cover can be customized in molding

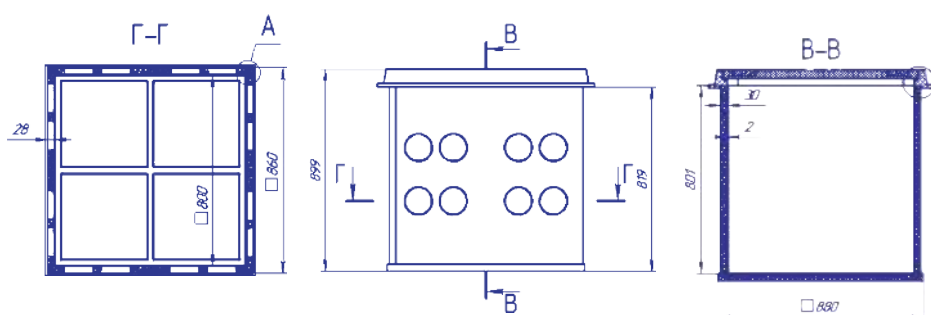


Fiber optics manhole



Type	Underground chamber for fiber-optics, telecom and electrical networks, with composite cover
Materials	Polyethylene
Fields of use	Fiber-optic, telecom and electrical/electronic networks
Characteristics	Rectangular underground chamber 1000×560×635 mm Composite cover (non-trafficable) 1000×500×50 mm Optional: Transit grommets for side connections, in various sizes
Advantages	Easy to install Increased mechanical strength; reinforced chamber body Guide piping can be supplied in various diameters, readily welded into the chamber body, according to clients' requirements.

RECO manhole

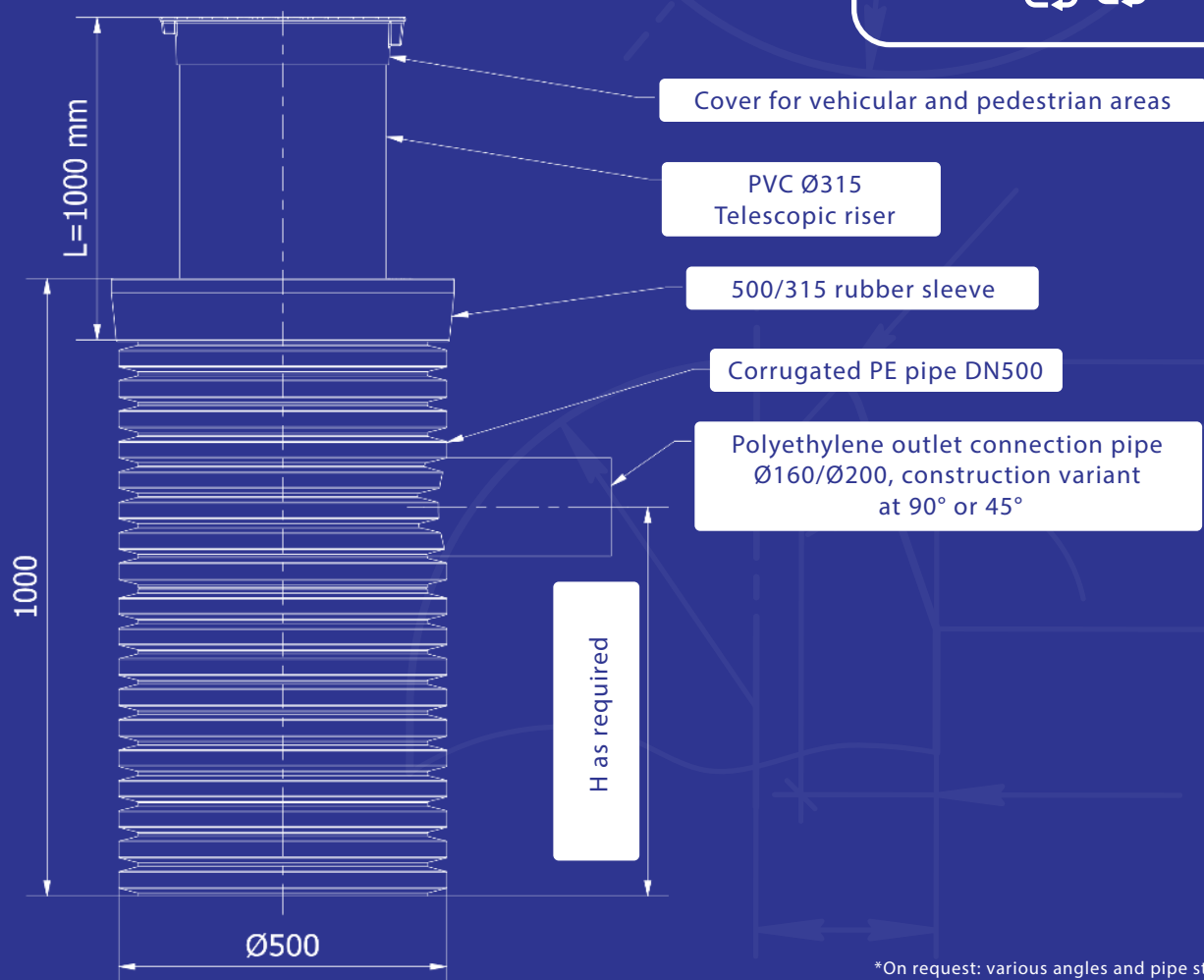
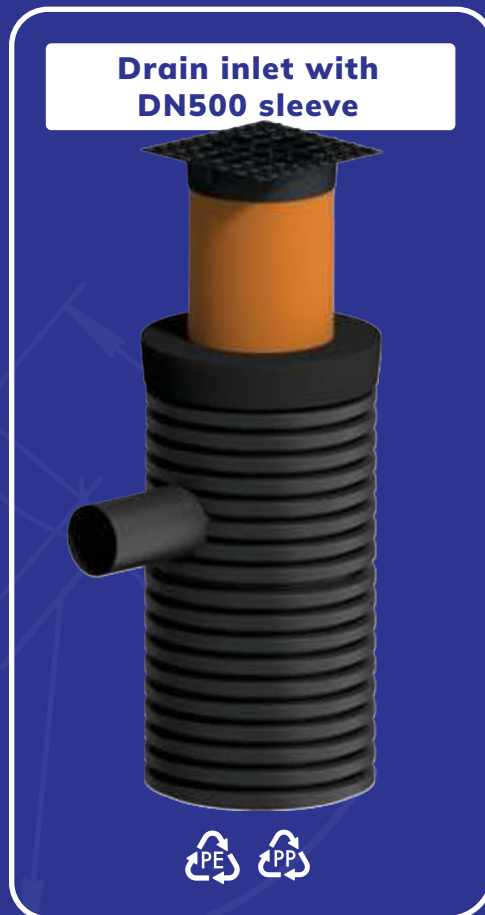


Type	Underground manhole for fiber-optic, telecom and electrical networks, with composite cover
Materials	Polyethylene
Fields of use	Fiber-optic, telecom and electrical/electronic networks
Components	Rectangular underground chamber: overall size 880×880×801 mm; internal size 800×800×800 mm Composite cover: class C250 per EN 124, 964×964×80 mm with 800 mm clear opening Optional: connection holes
Characteristics	Cover load class C250 Optional sealing gasket, cover ring and frame, Assembly size: 880×880×900 mm
Advantages	Easy to install, Increased mechanical strength; reinforced chamber body, Cable pull holes can be made; nozzles of different diameters can be welded to match the client's requirements
Observations	To improve transport efficiency, the chambers are shipped disassembled, palletized, in 6 pieces. On-site assembly required.

Gullies and fabricated fittings

Catch basin (drainage inlet chamber) DN500:

Type	Catch basin (drainage inlet chamber) DN500
Fields of use	Stormwater collection and drainage networks
Materials	Polyethylene PVC Rubber Cast iron
Components	TR5 cast-iron grate, class D400 PVC riser Ø315, H = 1 m Rubber sleeve D500/D315 Corrugated PE pipe D500, H = 1 m
Advantages	Easy to install Increased mechanical strength Low weight Perfect sealing No masonry work required Can be installed in: trafficable areas, non-trafficable areas, green spaces, both landscaped and unlandscaped zones

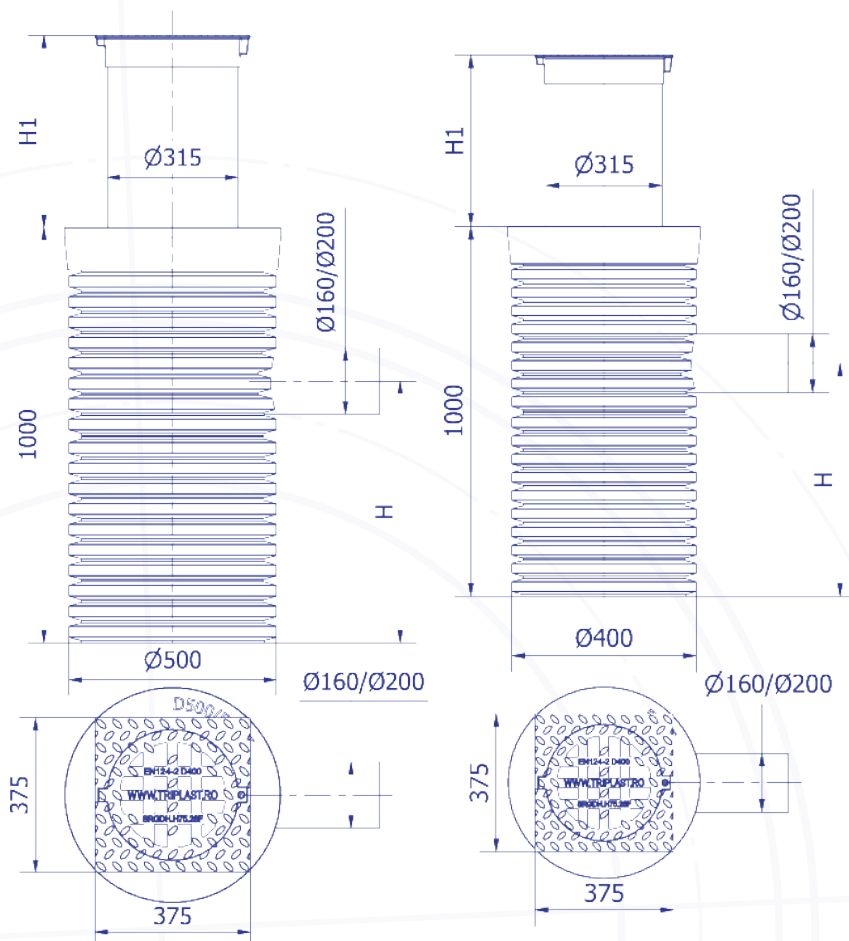


*On request: various angles and pipe stub sizes.

***Products may be modified without prior notice.

Gullies and fabricated fittings

DN500 catch basin



DN400 catch basin:

Type	DN400 catch basin (drainage inlet chamber)
Fields of use	Stormwater collection and drainage networks
Materials	Polyethylene
Characteristics	Outer Ø400 mm
Advantages	- Easy to install - Increased mechanical strength - Low weight - Perfect sealing - No masonry work required - Can be installed in various locations



*On request: various angles and pipe stub sizes.

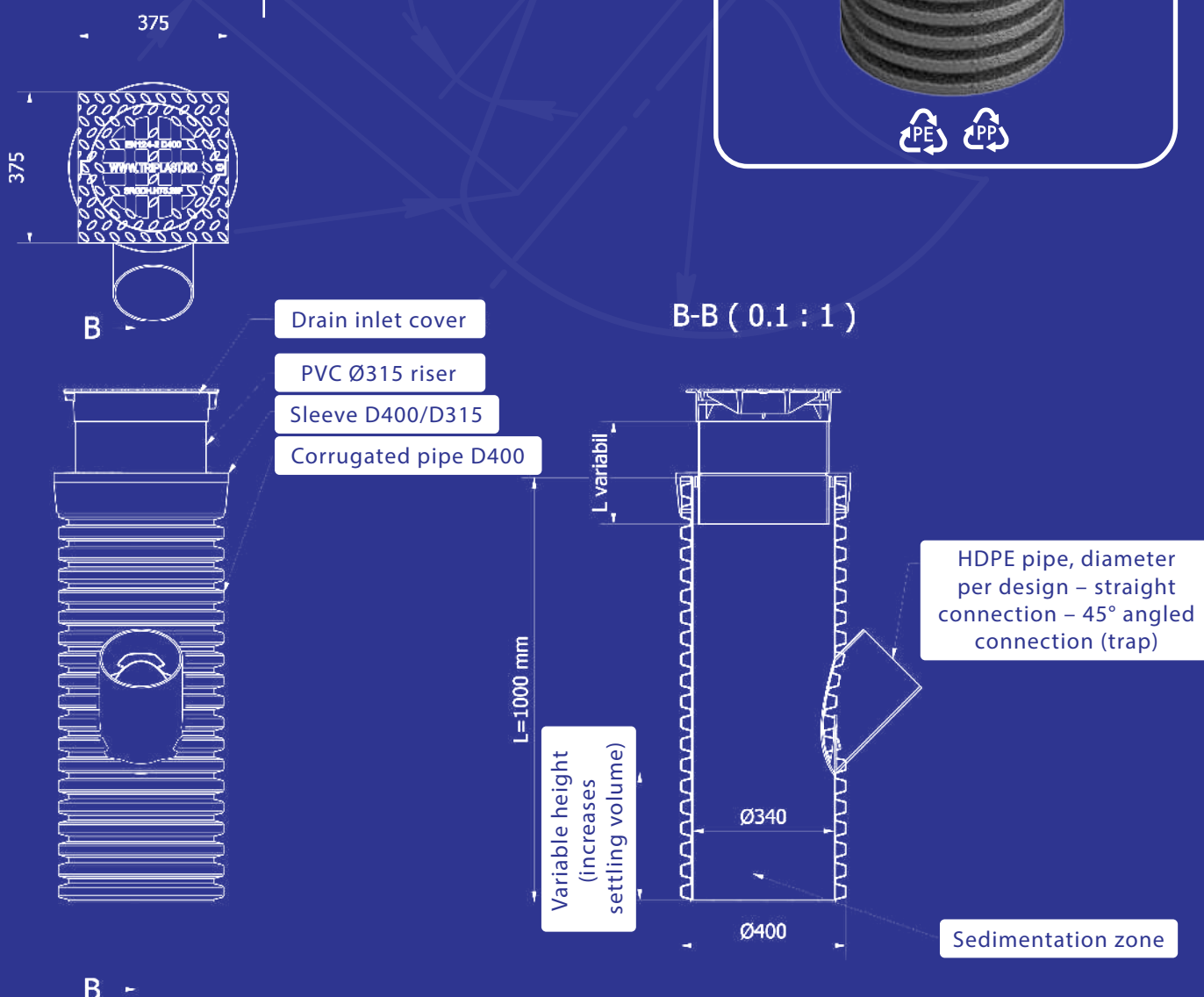
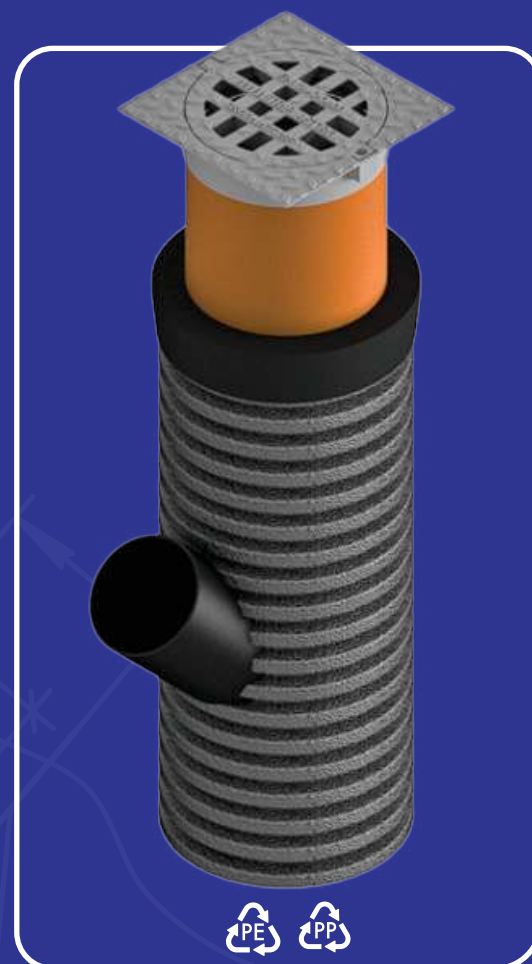
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Gullies and fabricated fittings

Catch basin (drainage inlet chamber) DN400 with PVC Ø315 riser element:

Type	Catch basin (drainage inlet chamber) DN400 with PVC Ø315 riser element
Fields of use	Stormwater collection and drainage networks
Materials	Polyethylene; PVC; Rubber; Cast iron
Characteristics	Easy to install Increased mechanical strength Low weight Perfect sealing No masonry work required Installation areas: trafficable, non-trafficable, green spaces, landscaped and non-landscaped areas
Optional components	TR5 cast-iron grate, class D400 PVC riser Ø315, H = 1 m Rubber sleeve D400/D315 Corrugated PE pipe Ø400, H = 1 m PE connection pipe

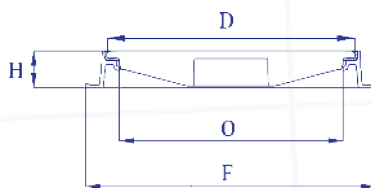


■ PE Covers

PE cover DN630



Type	PE cover DN630
Fields of use	Intended for sewer, telecom and water-supply elements; not for frequent pedestrian traffic. Suitable for private yards and green areas, or as a temporary cover for pedestrian areas.
Materials	Polyethylene
Advantages	Easy to install Mechanical strength appropriate for non-traffic areas (do not install where there is pedestrian circulation) Lower cost, no masonry work required Adaptable for inspection chambers, DN800 and DN1100 water-meter chambers, and for the socket end of Ø630 corrugated pipe



Type	PE cover DN600
Fields of use	Intended for sewer and water-supply elements, without frequent pedestrian traffic—used in pedestrian areas, or as a temporary cover in vehicular and pedestrian areas. Usable as an auxiliary cover for chambers together with trafficable or non-trafficable covers having a clear opening equal to or greater than Ø600 mm.
Materials	Polyethylene
Advantages	Easy to install. Mechanical strength suitable for areas without traffic (do not install in intense pedestrian alleyways.). Low cost; no masonry work required. Adaptable to Triplast PE manholes with diameter greater than Ø600. Thermally insulated lid with an air cushion. Usable with cast-iron/composite covers, both vehicular and non-vehicular rated, with a clear opening (CO) of 600 mm.

PE cover DN600



PE cover DN 630L

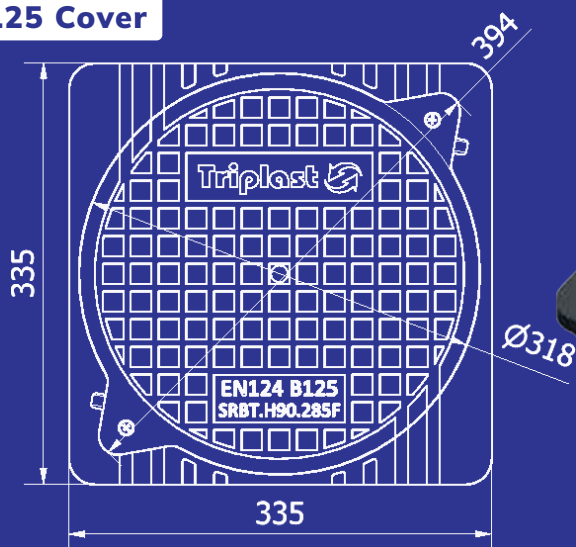


Type	PE cover DN 630L
Fields of use	Intended for sewer, telecom and water-supply elements; not for frequent pedestrian traffic. Suitable for private yards and green areas, or as a temporary cover for pedestrian-traffic zones.
Materials	Polyethylene
Advantages	Easy to install Mechanical strength appropriate for non-traffic areas (do not install where there is pedestrian circulation) Lower cost, no masonry work required Adaptable for inspection chambers, DN800 and DN1100 water-meter chambers, and for the socket end of Ø630 corrugated pipe

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Triplast composite covers

B125 Cover

Type

C3 composite according to EN 124-5:2015

Materials

Polyamide / Polypropylene

Characteristics

Anti-tamper system
Gasket channel
Can be used with a telescopic PVC riser Ø315 or with a corrugated Ø315 pipe, both available in variable lengths to suit the application: 30 / 50 cm
Can be used on 315/400 connection chambers
Load class B125
Standard EN 124:2015

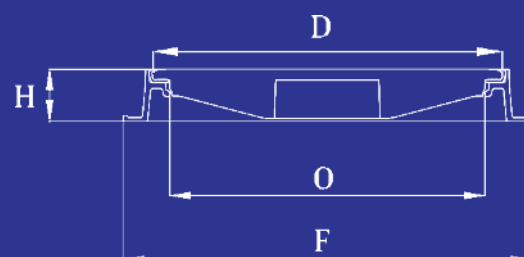
Color

Black

Optional

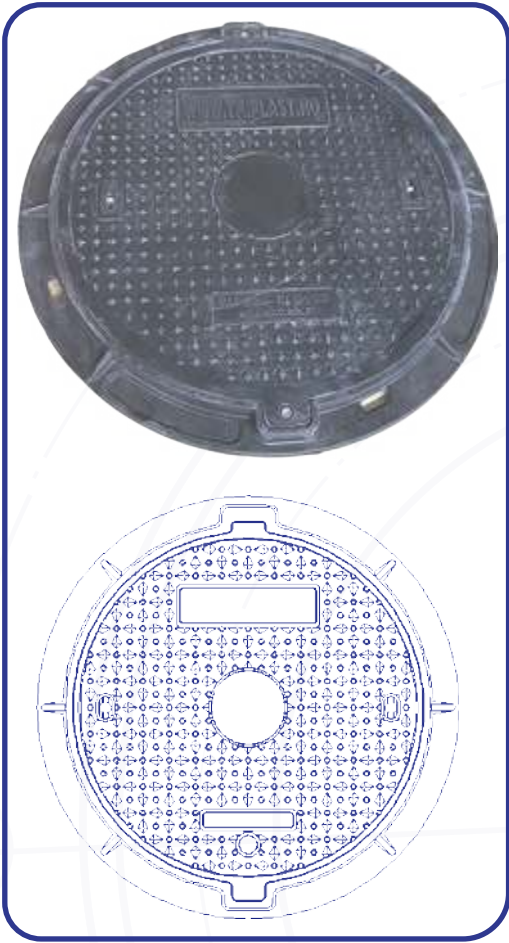
Customizable

D (cover Ø)	H (frame)	O (CO)	F (frame)
318 mm	86 mm	285 mm	335 x 335 mm


Equipment variants:
Corrugated pipe:

PVC:

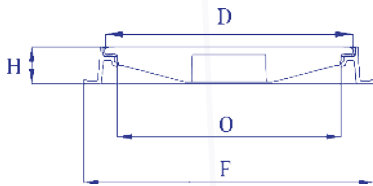

Composite covers



B125 Cover

Type	Composite cover (B125)
Materials	Unsaturated polyester resins reinforced with long glass fibers (SMC)
Characteristics	Cover without hinge Locking system to prevent unintended opening, used with Allen key, consisting of two screws, Channels for anchoring in concrete, Product class B125; applicable standard EN 124:2015
Color	Black, blue, yellow, brown; on request can be made in a wide range of colors
Observations	Customizable

D (cover Ø)	H (frame)	O (CO)	F (frame)
645 mm	40 mm	600 mm	777 mm



B125 Cover

Type	Composite cover, SMC type
Materials	Unsaturated polyester resins reinforced with long glass fibers (SMC)
Characteristics	No hinge Anti-theft system, operable with a special key, Replaceable gasket Product class D400 per EN 124-5:2015 SGS certifications
Color	Black, blue, yellow, brown; on request can be produced in a wide range of colors
Observations	Covers can be inscribed and customized

D (cover Ø)	H (frame)	O (CO)	F (frame)
650 mm	55 mm	600 mm	765 mm

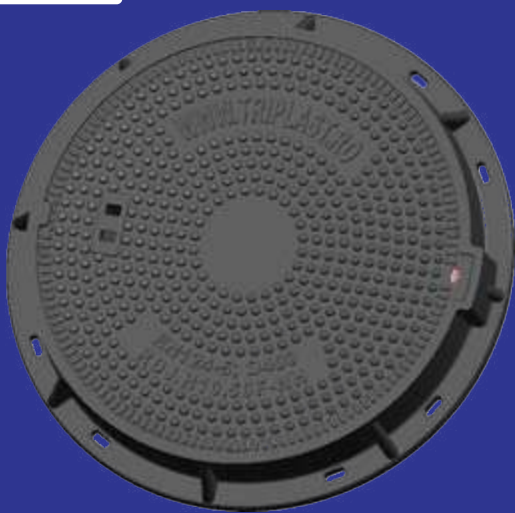


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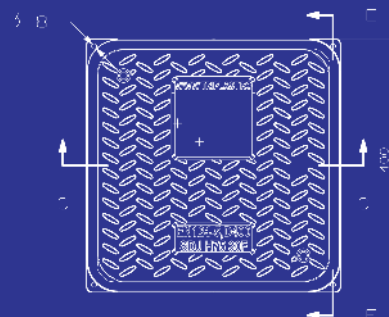
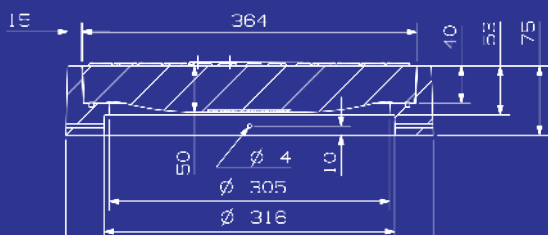
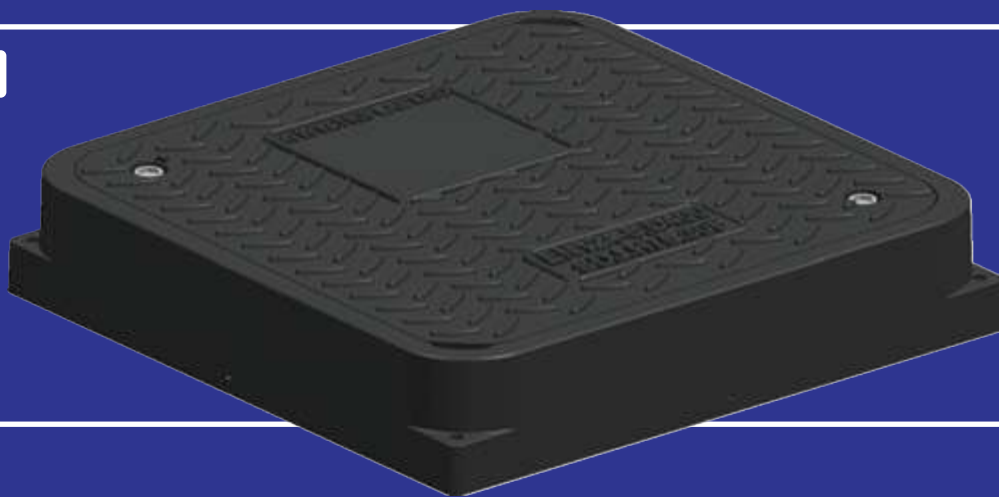
Composite covers

D400 Cover



Type	Composite cover, SMC type
Materials	Unsaturated polyester resins reinforced with long glass fibers (SMC)
Characteristics	No hinge Anti-theft system operable with a special key Replaceable gasket
Color	Grey, black, blue, brown On request, can be produced in a wide range of colors
Advantages	Covers can be inscribed and customized

D400 Cover



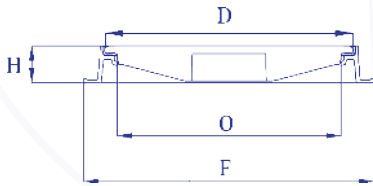
Composite covers

D400 Cover



Type	Composite cover, SMC type
Materials	Composite
Characteristics	Locking system consisting of two screws Usable on sewer pipes or manholes with a 315mm raiser Product class D400 per EN 124-1:2025 Certifications: Technical approval
Color	Grey
Advantages	No scrap value — makes theft pointless

D (cover Ø)	H (frame)	O (CO)	F (frame)
330 mm	105 mm	300 mm	385x385 mm



B125 Cover



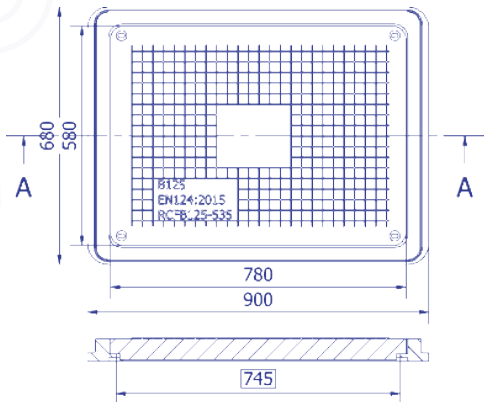
A15 Cover



D400 Cover



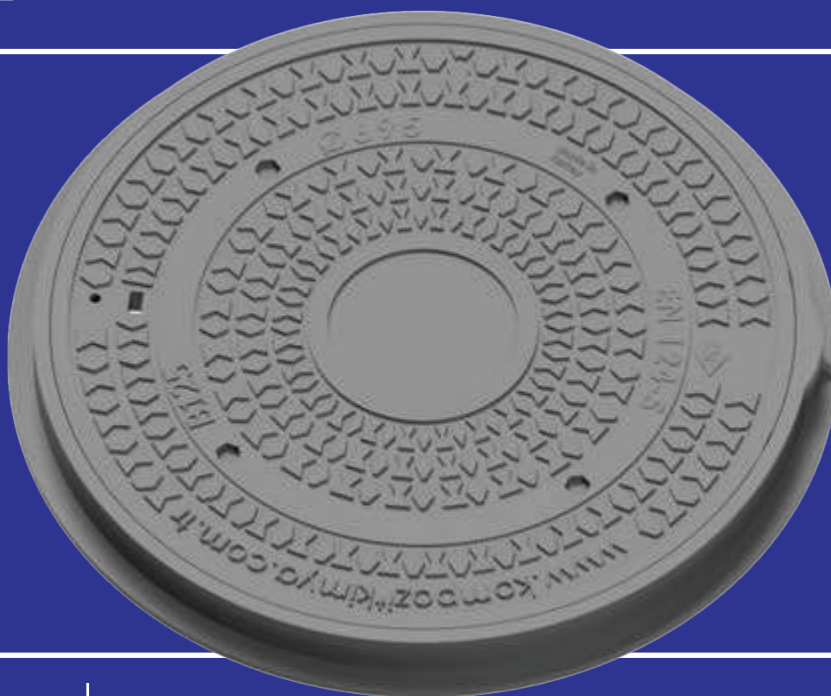
B125 Cover



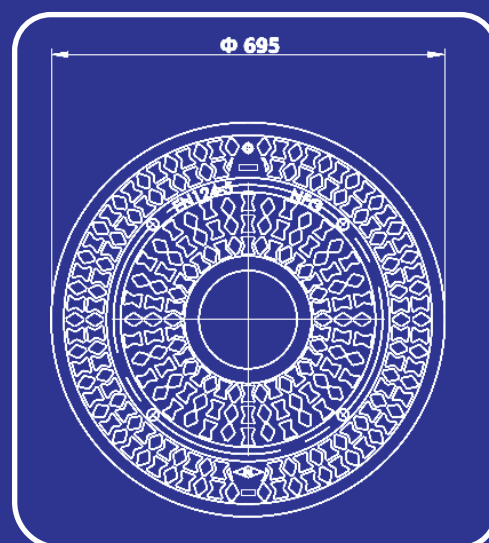
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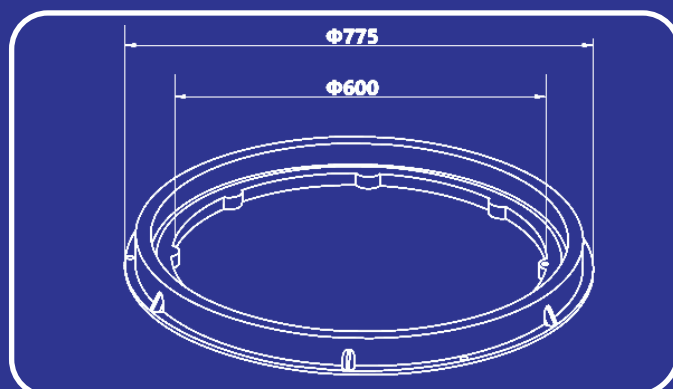
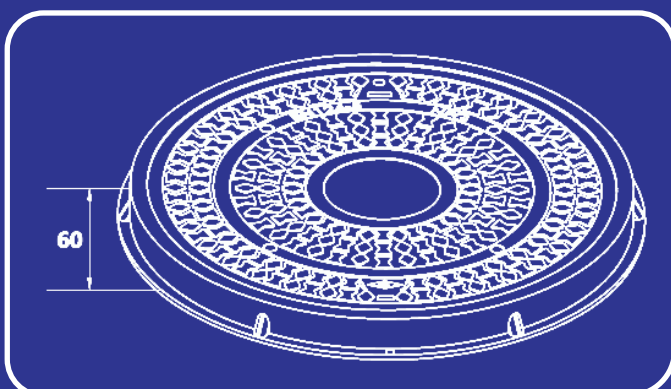
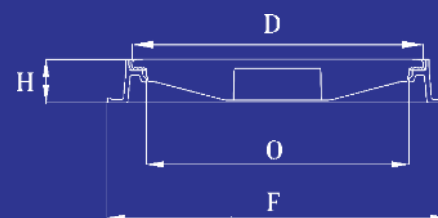
Composite covers

B125 Cover


Type	Composite cover, SMC type
Product class	B125
Standard	EN 124 : 2015
Characteristics	Locking system Operable with a special key Replaceable sealing gasket Handling recess
Base material	Unsaturated polyester resins reinforced with long glass fibers (SMC)
Color	Black, blue, yellow, brown; on request can be produced in a wide range of colors
Observations	Covers can be inscribed and customized

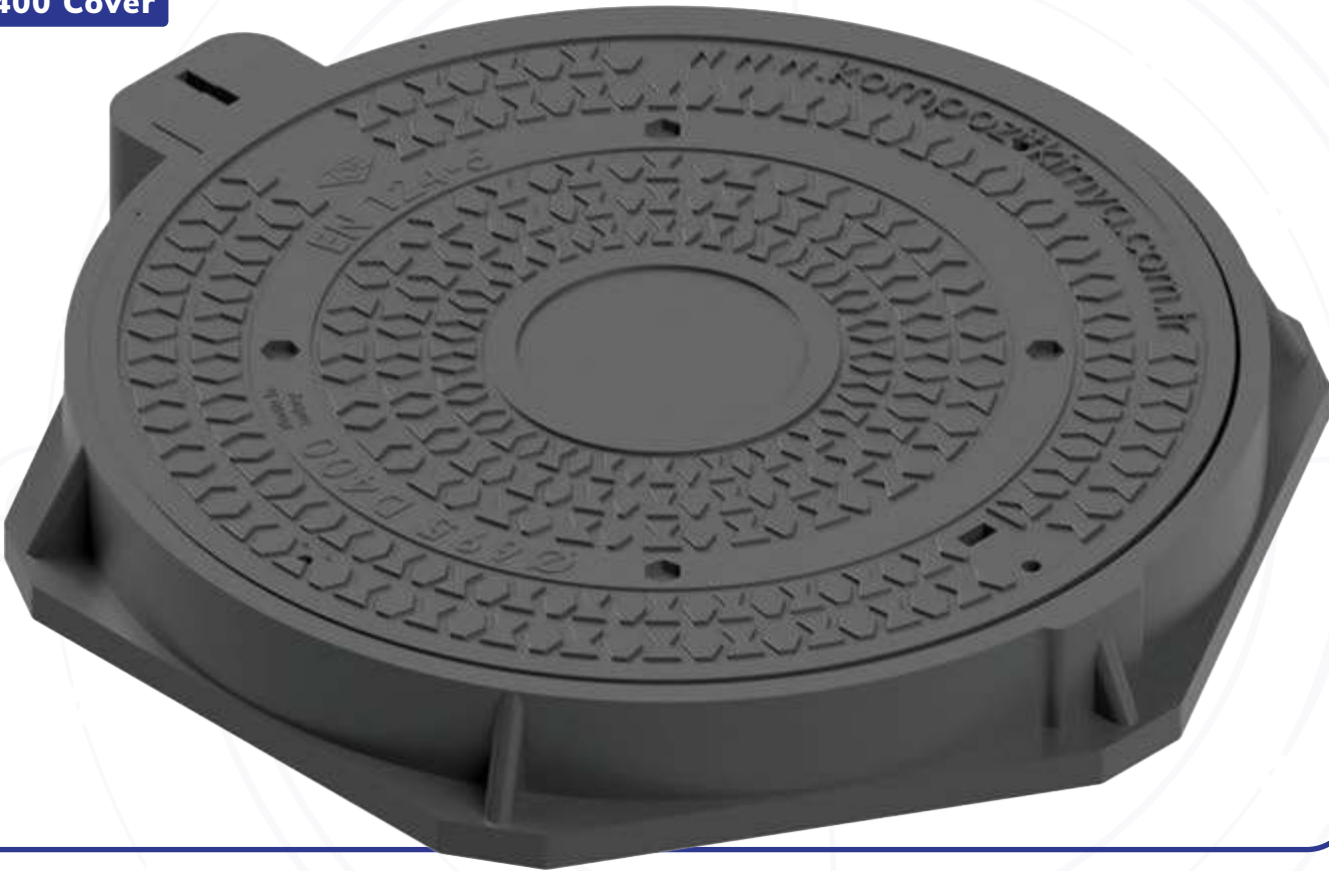


D (cover Ø)	H (frame)	O (CO)	F (frame)
695 mm	60 mm	600 mm	775 mm

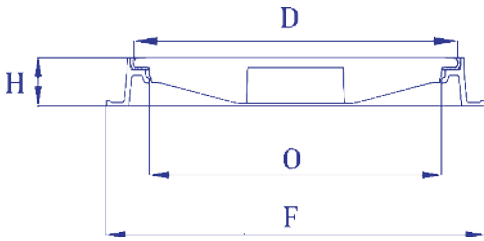


Composite covers

D400 Cover



Type	Composite cover, SMC type
Product class	D400
Standard	EN 124 : 2015
Characteristics	Locking system operable with a special key Hinge Replaceable gasket Handling recess on the cover
Base material	Unsaturated polyester resins reinforced with long glass fibers (SMC)
Color	Black; on request can be produced in a wide range of colors
Observations	Covers can be customized

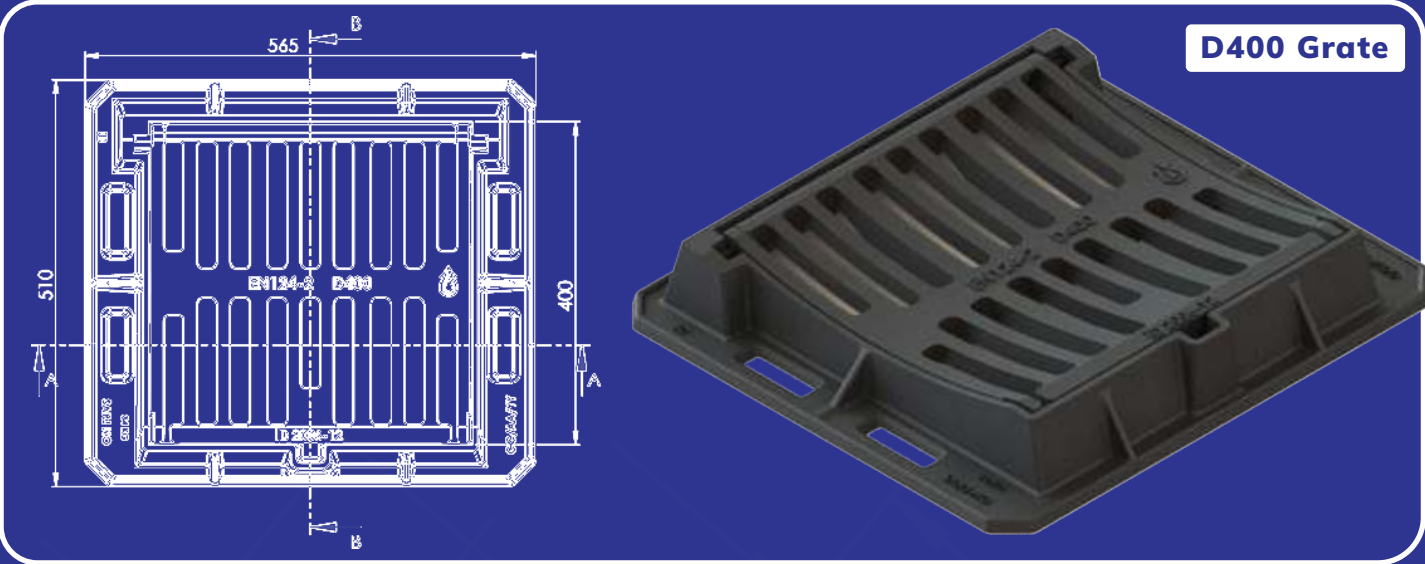


D (cover Ø)	H (frame)	O (CO)	F (frame)
695mm	100 mm	600 mm	840 mm

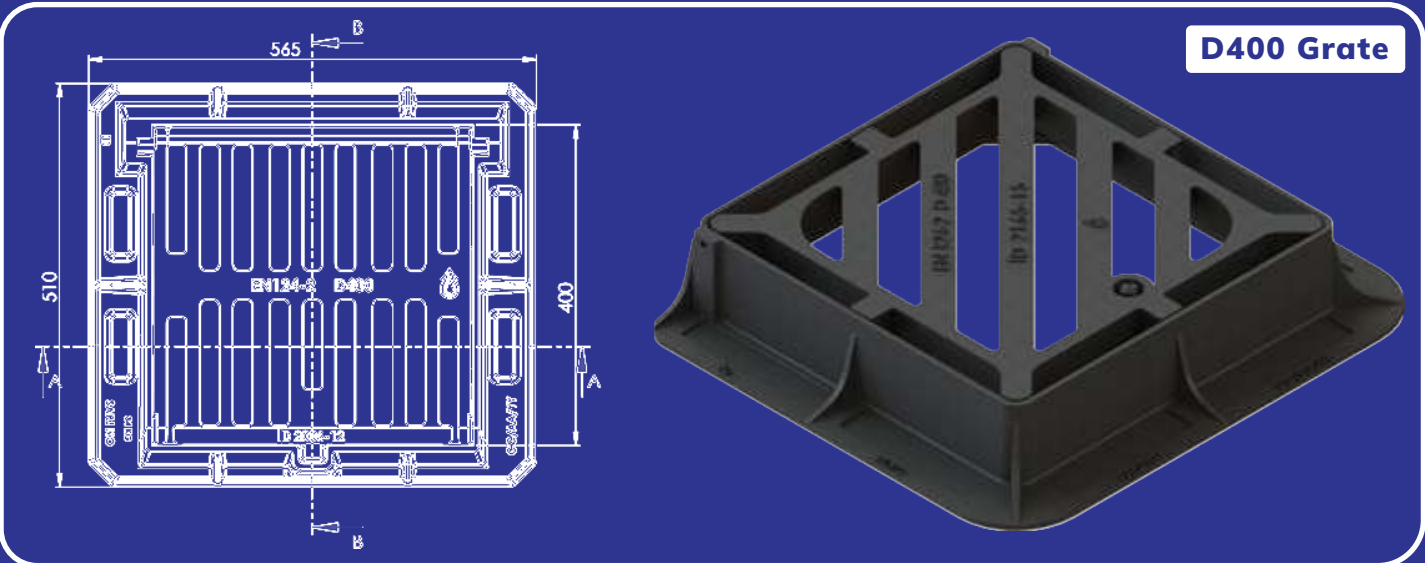
*The images in the catalog are illustrative and do not entail contractual liability.

**Products may be modified without prior notice.

■ Cast-iron gully tops

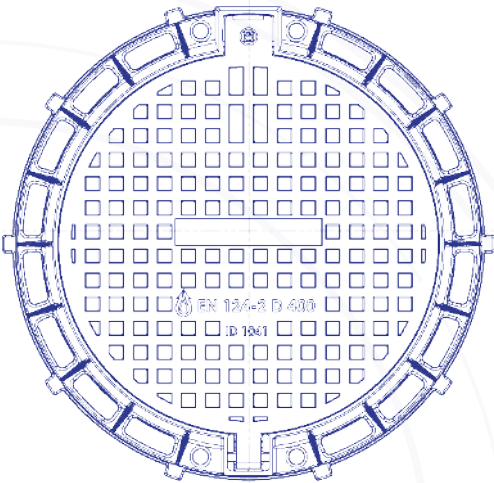


Type	Cast-iron grate
Product class	D400 conform EN124-2:2015
Certifications	Declarație de performanță
Characteristics	Hinge; locking system
Material	Cast iron
Color	Black



■ Cast-iron covers

D400 Cover

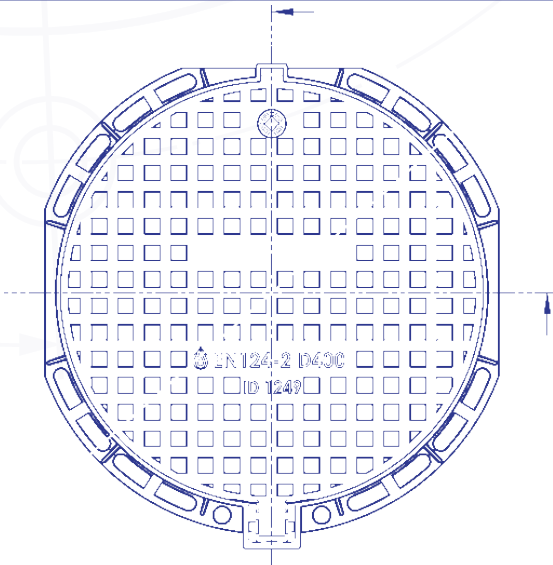


B125 Cover



Type	Cast-iron cover
Product class	B125
Certifications	Declaration of performance
Characteristics	Lockable hinge at 90° (prevents accidental closing) and allows an opening greater than 120° Anti-theft system, operable with a special key Replaceable EPDM gasket
Material	Cast iron
Color	Grey or black
Optional (on request)	Covers can be inscribed and customized

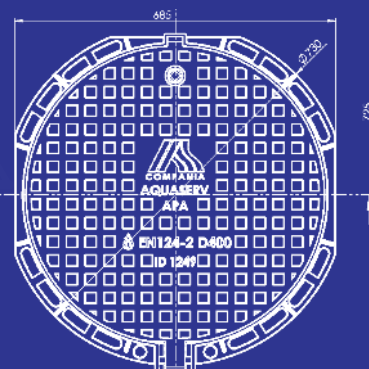
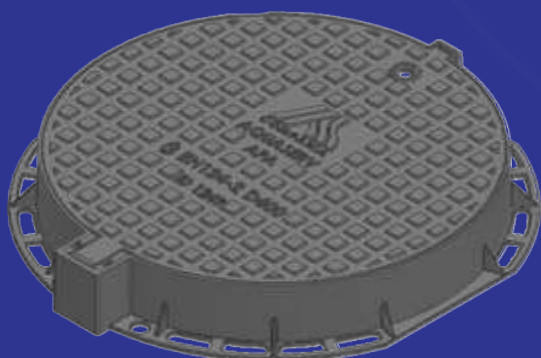
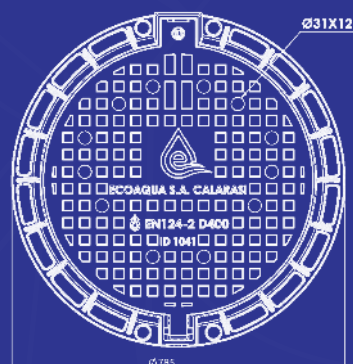
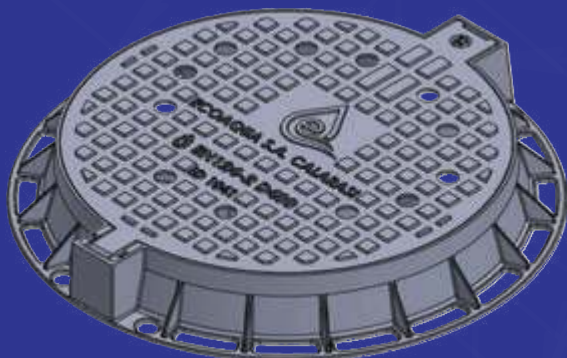
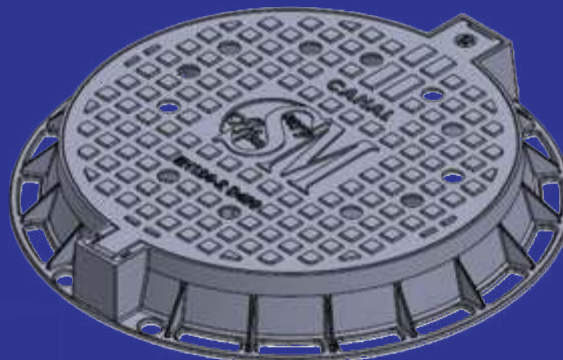
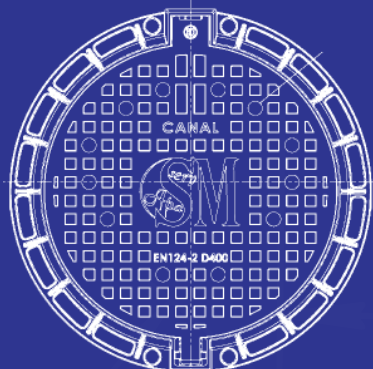
D400 Cover



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Customization examples



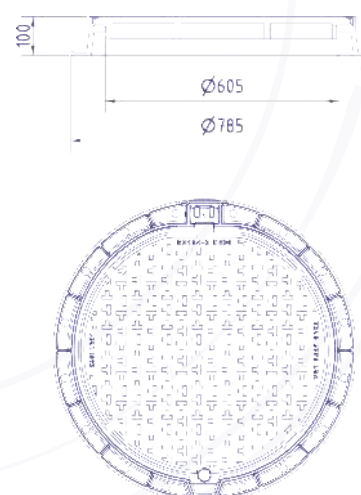
KASI covers and gully tops

Type	Designated for vehicular areas, unventilated, hinged ductile-iron cover — product code LD91, class D400, EUROPA 9 — L-shaped ductile-iron frame, product code LDRL9, class D400
Materials	Ductile iron Polyurethane (PUR)
Characteristics	Hinge system with stainless-steel pin; anti-theft; can be locked at 90° to prevent accidental closing; maximum opening >120° Two-point ball-locking system to prevent accidental opening Anti-skid raised pattern L-shaped PUR gasket applied on the cover; resistant to oils, salts and extreme temperatures; cushions vibrations and vertical movement; improves sealing; dampens opening/closing noise Product class D400 according to EN 124-2:2015 Certifications: TZUS / TSUS Painting options: B - without paint; C - all sides painted; V—painted cover and frame (full); F—cover only; H—only the visible part of cover and frame
Optional	Screw locking system Can be customized (cast-in marking)

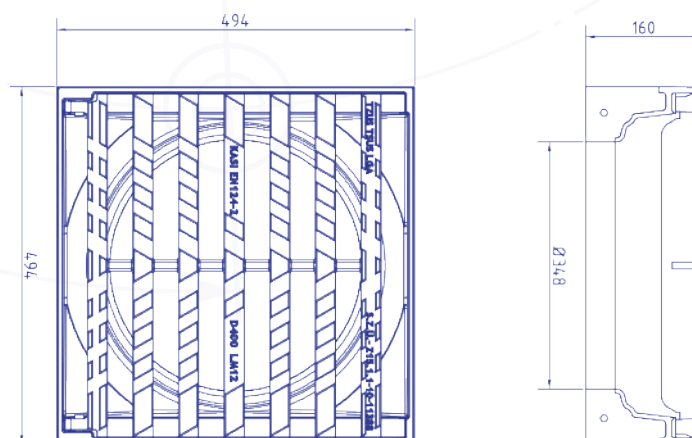
D400 Cover



D400 Cover

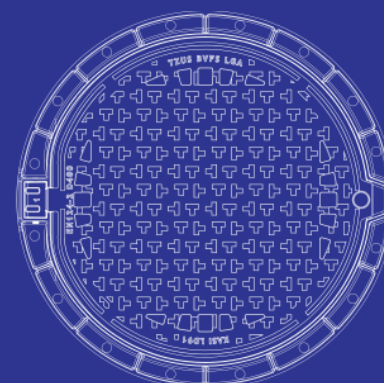
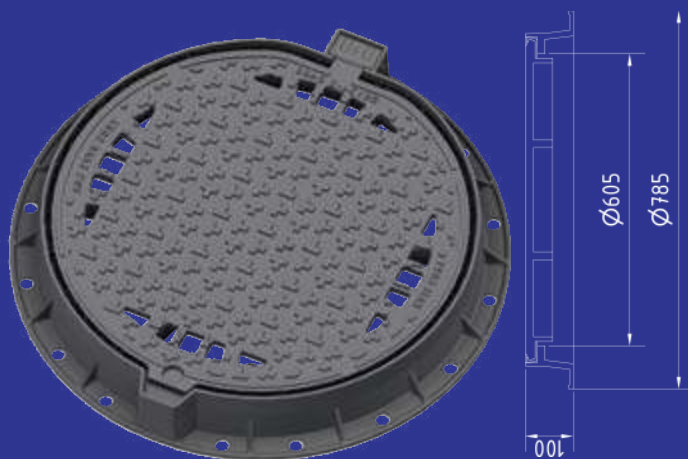


D400 Cover

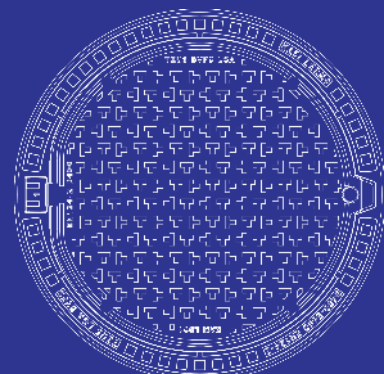
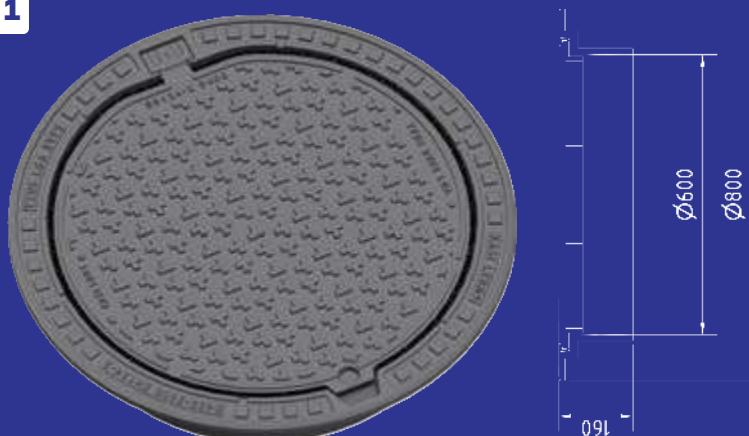


KASI cast iron covers

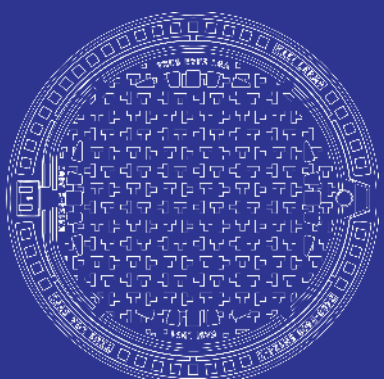
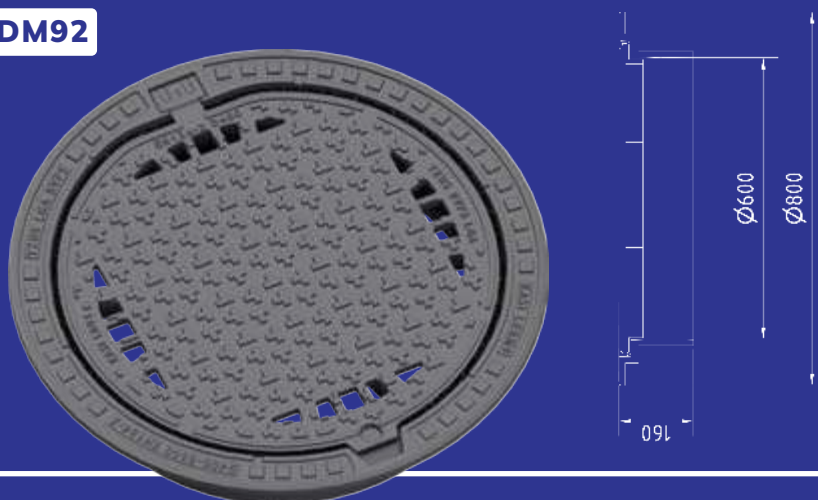
KDL92



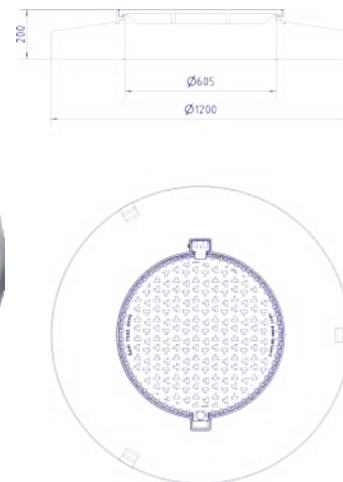
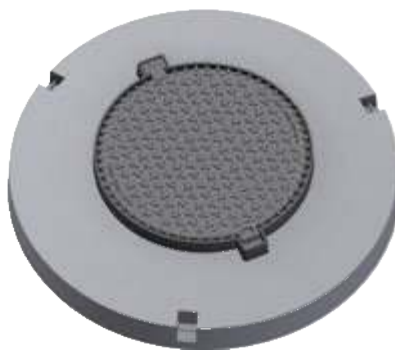
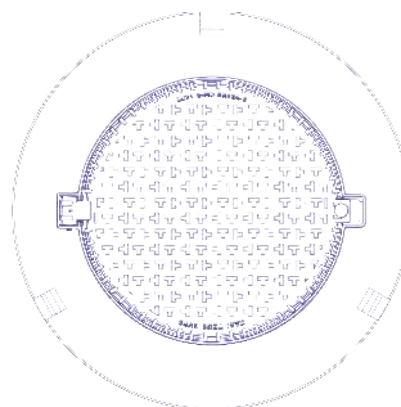
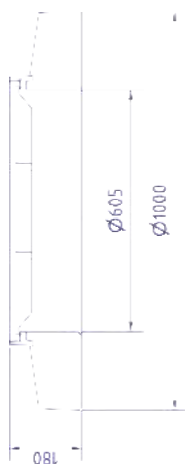
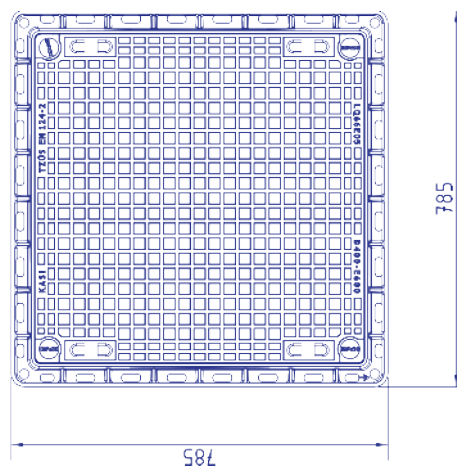
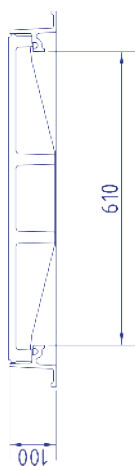
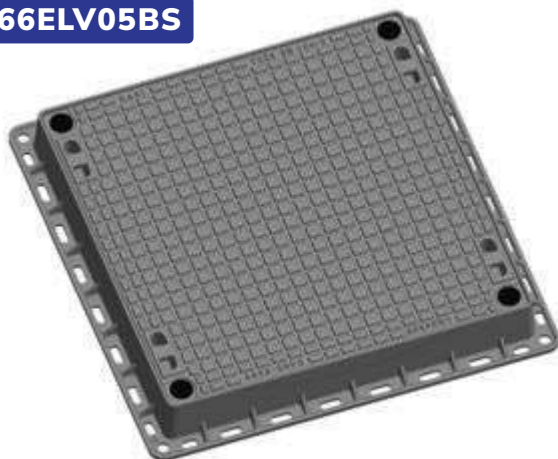
KDM91



KDM92

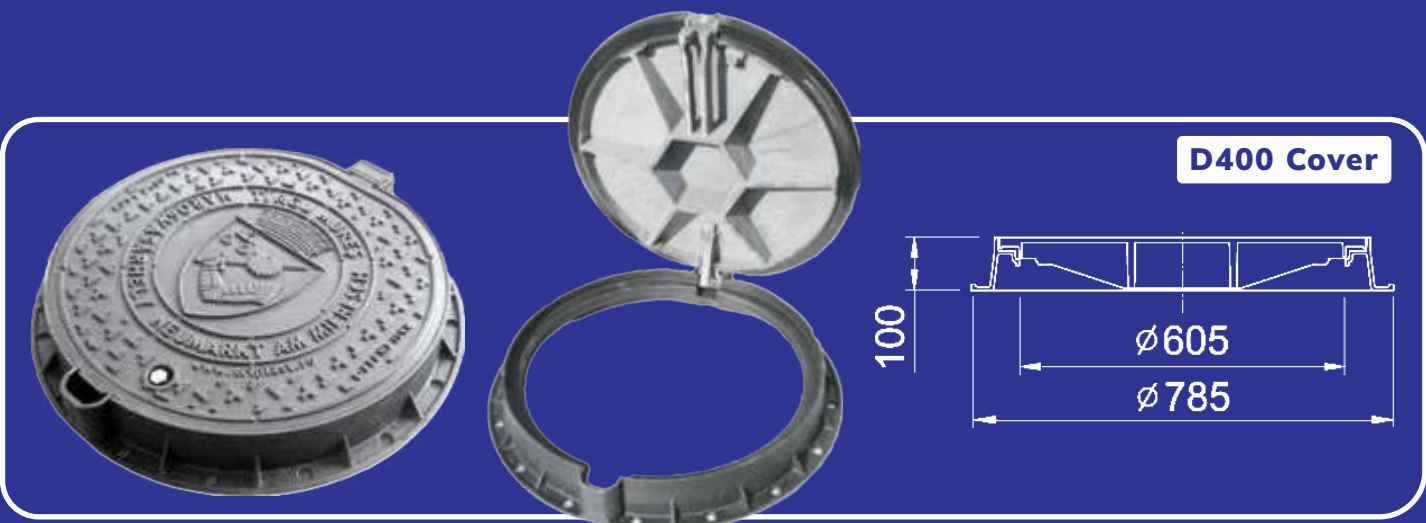


KASI cast iron covers

K8DM95B**KDG71****KDI71****KQ66ELV05BS**

*Impermeabil

Kasi Customization examples



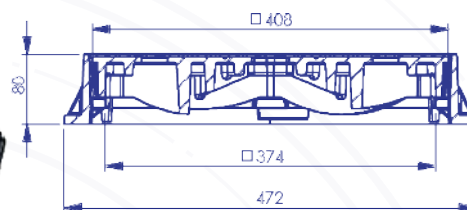
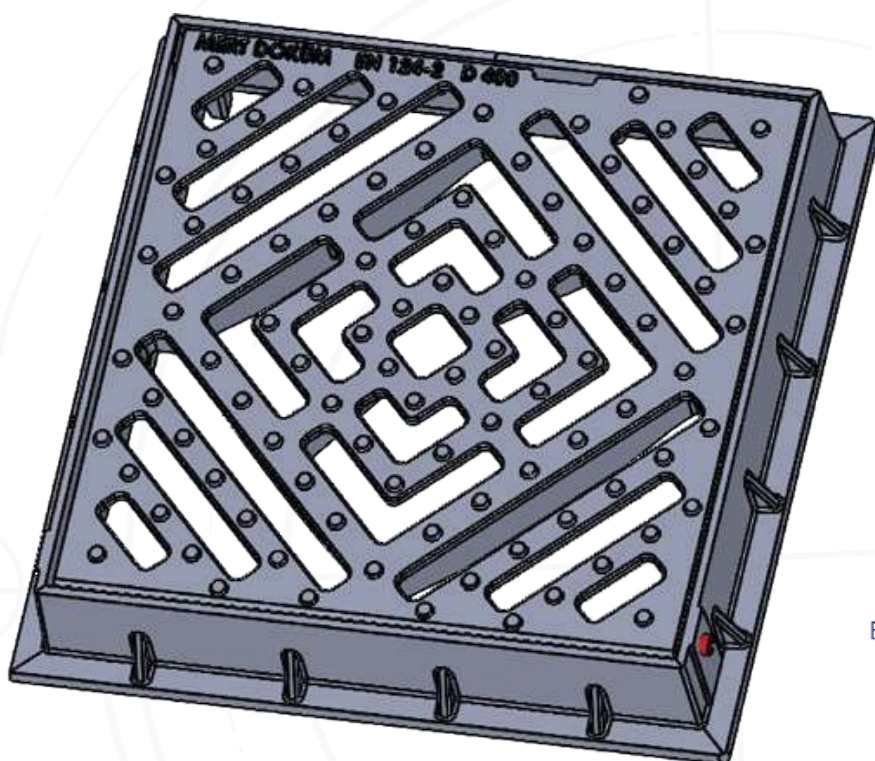
Type	Designated for vehicular areas, unventilated, hinged ductile-iron cover, product code LD91, class D400, EUROPA 9 — L-shaped ductile-iron frame, product code LDRL8, class D400
Materials	Ductile iron; Polyurethane (PUR)
Characteristics	Stainless-steel anti-theft hinge, lockable at 90° to prevent accidental closing; maximum opening 120° Two-point locking system to prevent accidental opening; optional key-operated lock Raised anti-slip pattern for grip L-shaped PUR gasket applied on the cover, resistant to oils, salts and abrasive action of anti-slip materials; cushions vertical movements (surface 618 cm²) and horizontal movements (surface 221 cm²) Product class D400 per EN 124-2:2015 Certifications: TZUS / TSUS Paint options: B unpainted (eco); C cover and frame painted (full); F only the visible part of the cover painted; H only the visible parts of both cover and frame painted
Optional	Screw locking system Custom casting (inscribed/personalized)

B125 Covers

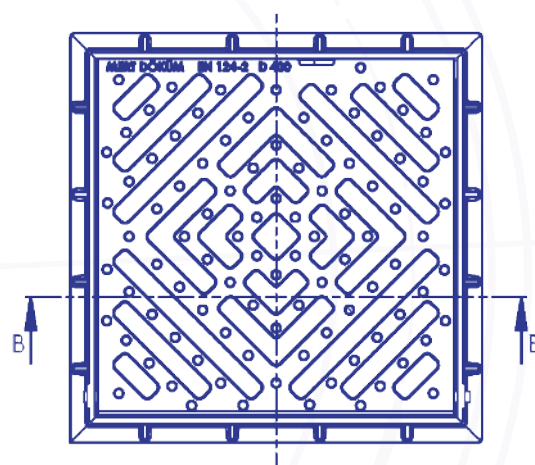


■ Cast-iron gully-tops

D400 Grating

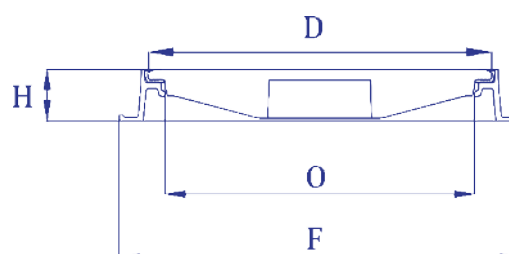


B-B (1 : 6)

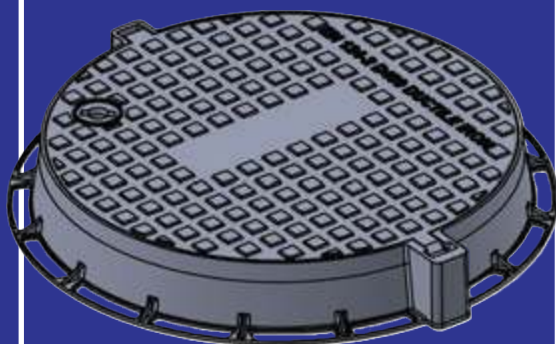


Type	Cast-iron grating
Product class	D400
Applicable standard	EN 124 : 2015
Characteristics	Rectangular grating and frame, with hinge
Base material	Cast iron; EPDM
Observations	Grating/cover can be customized
Color	Can be produced in a wide range of colors

D (grate Ø)	H (frame)	O (CO)	F (frame)
408x408 mm	80 mm	374 mm	472x472 mm



Cast-iron covers

D400 Cover

Type

Cast-iron cover with frame

Load class

D400

Applicable standard

EN 124 : 2015

Characteristics

 Removable hinge
 Opening >120°
 Anti-theft system, operable with a key
 Locking system with spring bar
 Replaceable EPDM gasket

Base material

 Cast iron;
 EPDM

Color

Dark grey

Optional

Covers can be customized

**H
(frame)**

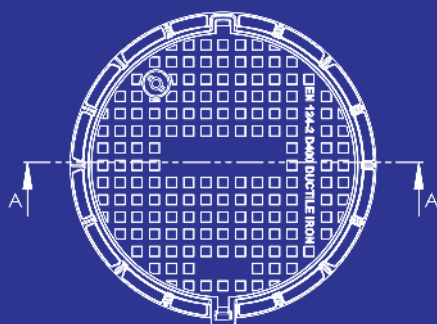
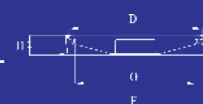
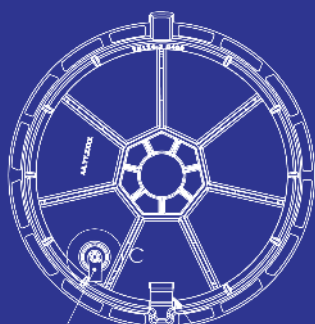
100 mm

**O
(CO)**

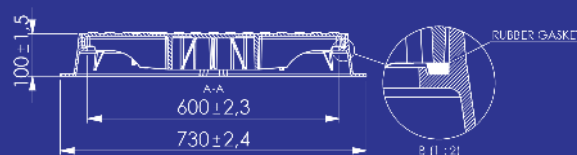
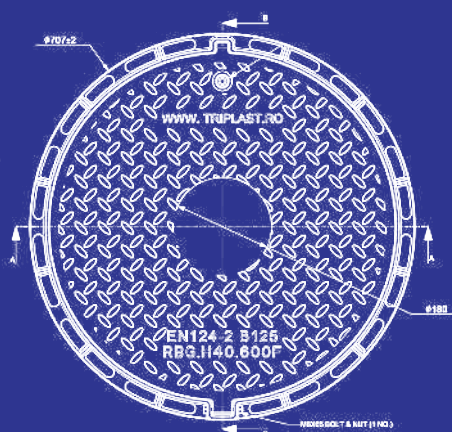
600 mm

**F
(frame)**

730 mm

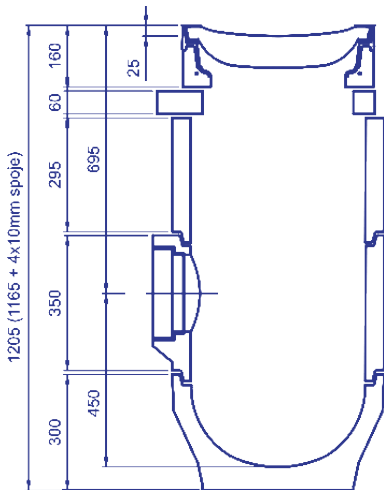

 MANUAL LOCKING SYSTEM
 M12x45 BOLT, NUT & LOCK PLATE


AUTOMATIC LOCKING SYSTEM


B125 Cover


KASI concrete gully manholes

BU3S15P



Type

Connecting element for concrete gully inlets with trap. BU3S15P – for PVC pipe DN150

Materials

Vibropressed concrete

Characteristics

Overall dimensions: height 577.5 mm
Inside diameter 450 mm
Outside diameter 550 mm
157 kg, 4 pcs/pallet
Joint to the other elements by dovetail connection

Color

Grey

Fields of use

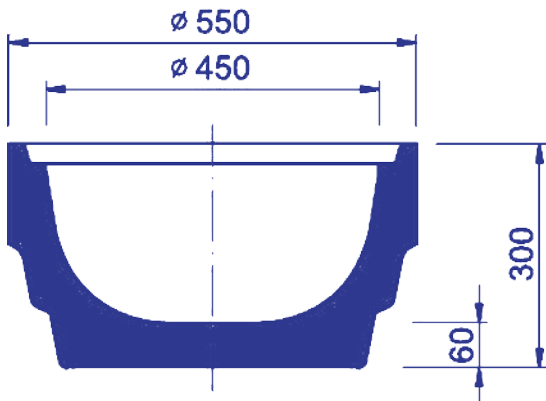
Gully inlets with trap and sump made in concrete

Advantages

Mechanized casting ensures constant quality and dimensional tolerance
Vibropressing technology provides increased strength

Observations

For joining the concrete gully components, use mortar with a minimum strength of 45 MPa



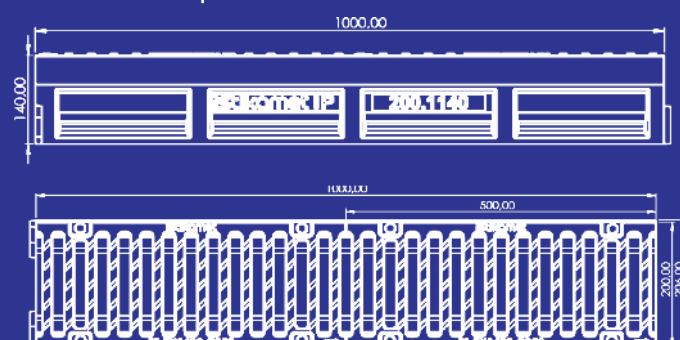
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Channel drains

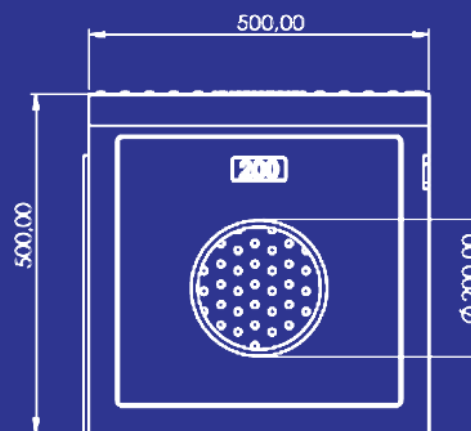
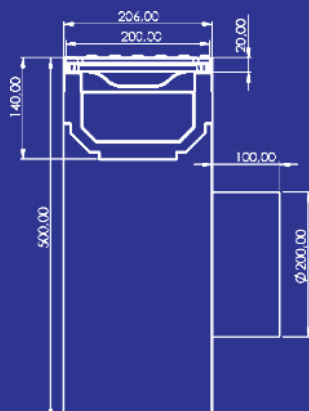

C250

Type	Channel drain with galvanized steel plate grating and polymer-concrete trough
Product class	C250 (per EN 1433)
Certification	DoP
Characteristics	Cast-iron grating (2 pcs × 500 mm) Upper edge of trough reinforced with steel guides Tongue-and-groove joint Top grill secured with screws
Base material	Cast iron (grating); polymer concrete (trough)
Color	Black (grating)



Type	Channel drain with galvanized sheet grating and polymer-concrete trough
Product class	C250, in accordance with EN 1433
Certification	DoP
Characteristics	Cast-iron grating (2 pcs × 500 mm length) Upper edge of the trough reinforced with steel guides Tongue-and-groove joint Grating fixing system with screws (8 pcs/m)
Base material	Cast iron (grating) Polymer concrete (trough)
Color	Black (grating)

Channel end set

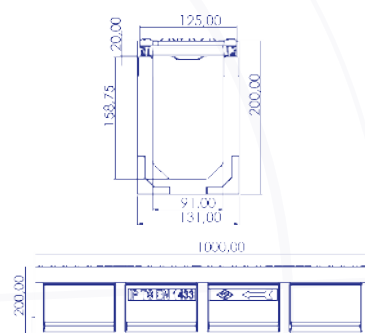
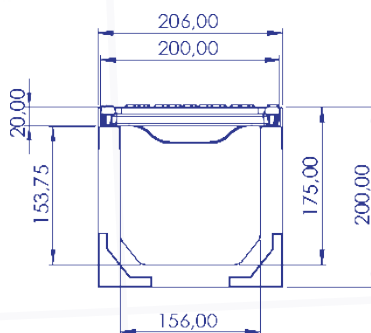
IP200.1140 R


Channel drains

D400



Type	Channel drain with galvanized steel edging and polymer-concrete trough
Product class	D400, in accordance with EN 1433
Certification	Declaration of Performance
Characteristics	Cast-iron grating (2 pcs × 500 mm) Upper edge of the trough reinforced with steel guides Tongue-and-groove joint Top grill secured with screws
Base material	Cast iron (grating); polymer concrete (trough)
Color	Black (grating)



Type

Drain channel with galvanized steel grate and a polymer-concrete trough

Product class

A15, compliant with EN 1433

Certification

DoP

Characteristics

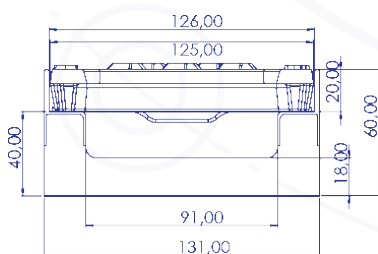
Galvanized-sheet grating (2 pcs × 500 mm)
Upper edge of the trough reinforced with steel guides

Base material

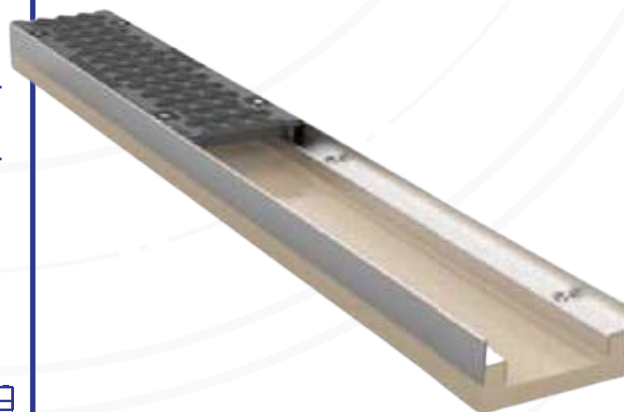
Galvanized steel sheet (grating);
polymer concrete (trough)

Color

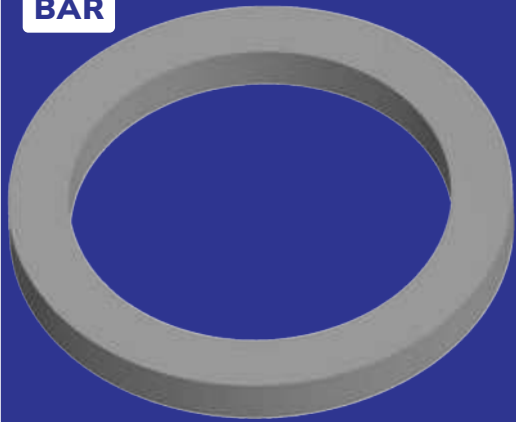
Grey (grating)



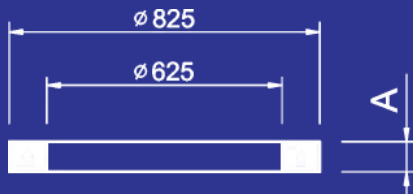
A15



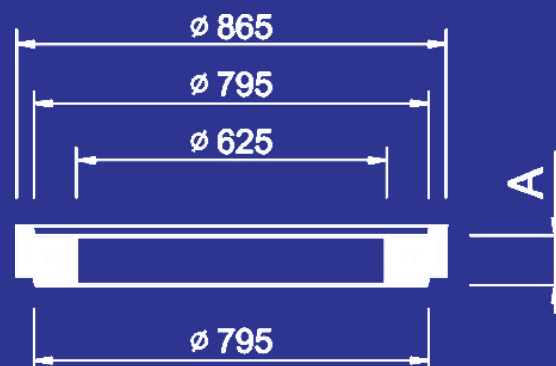
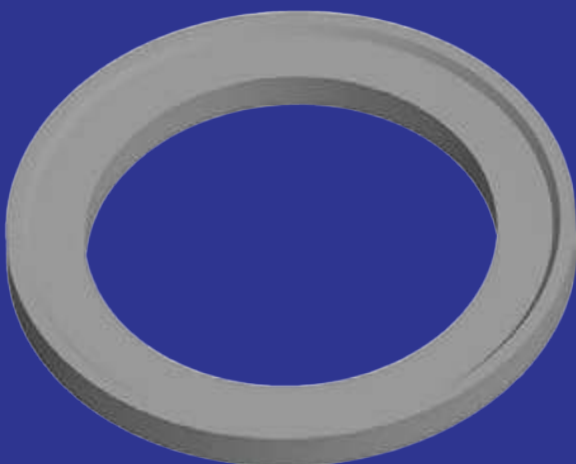
KASI concrete rings

BAR

Type	Lifting ring made of vibro-pressed concrete, without support shoulder (DIN 4034)
Materials	Vibro-pressed concrete
Characteristics	Overall height A: see table below Inner diameter: 625 mm Outer diameter: 825 mm
Color	Grey
Fields of use	Grade adjustment for manhole covers (class D400 per EN 124); raising element for concrete manholes
Advantages	Mechanized casting gives constant quality and dimensional tolerance Vibro-press technology provides higher strength Easy to install to reach the required level; up to two rings may be stacked
Observations	The connection between the frame / lifting ring / concrete manhole must be made with mortar of at least 45 MPa strength.

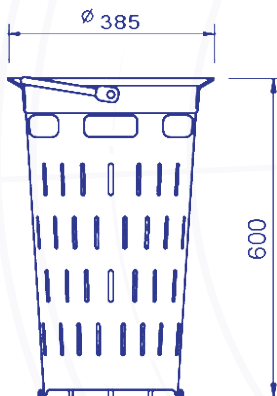


Product code	Height A [mm]
BAR 04	40
BAR 06	60
BAR 08	80
BAR 10	100
BAR 12	120

BAR V

■ Accessories for gratings and covers

UA4V



Type	Dirt trap for coarse-debris filtration, for 50/50 gully gratings
Materials	Steel
Characteristics	Hot-dip galvanized steel Made to DIN 4052 Weight 4.0 kg Compatible with KM12 and KM15 gratings
Color	Grey
Advantages	Handle for easy emptying, easy to clean, large storage capacity
Anti-corrosion protection	Hot-dip galvanizing
F (ø)	H
655 mm	135 mm

Type

Dirt trap for coarse-debris filtration, for covers with CO Ø600

Materials

Steel

Characteristics

Hot-dip galvanized steel
Weight 6.5 kg
Compatible with frames that have an integrated recess for a coarse filter

Color

Grey

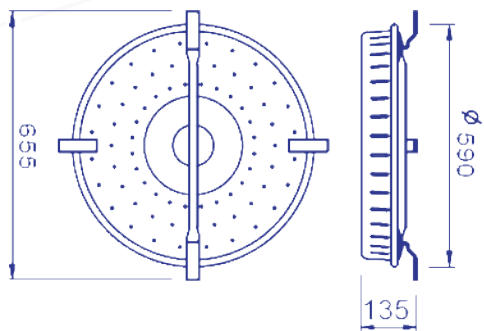
Advantages

Handle for easy emptying, easy to clean, large storage capacity

Anti-corrosion protection

Hot-dip galvanizing

ULL

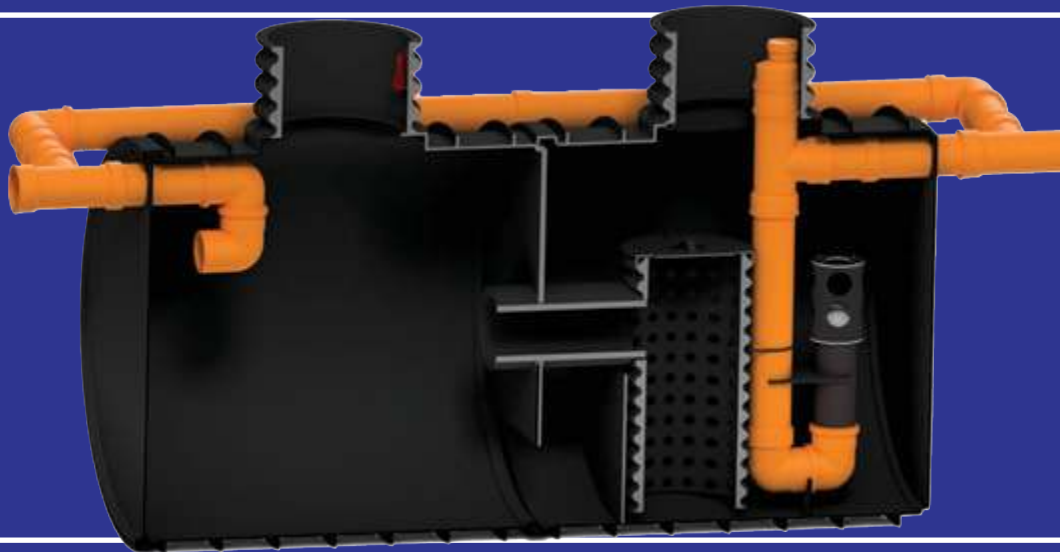


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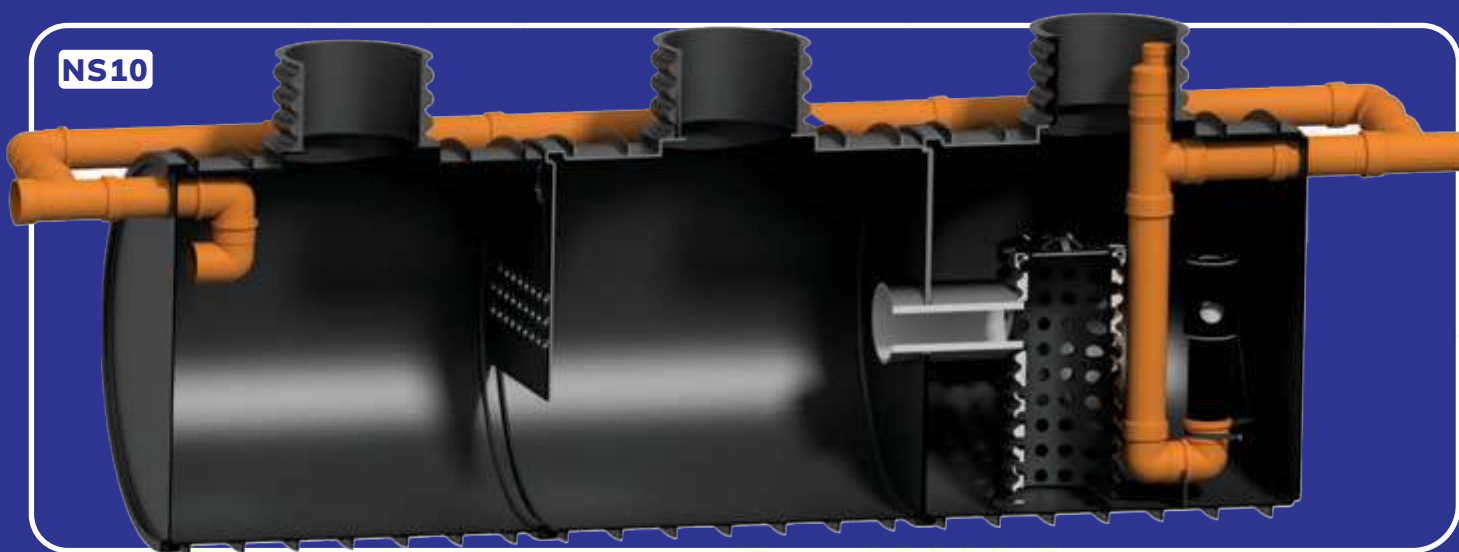
**Products may be modified without prior notice.

Hydrocarbon separator

NS6



NS10



Type

Class I hydrocarbon separator

Materials

Polyethylene

Fields of use

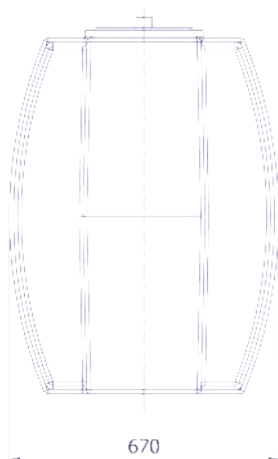
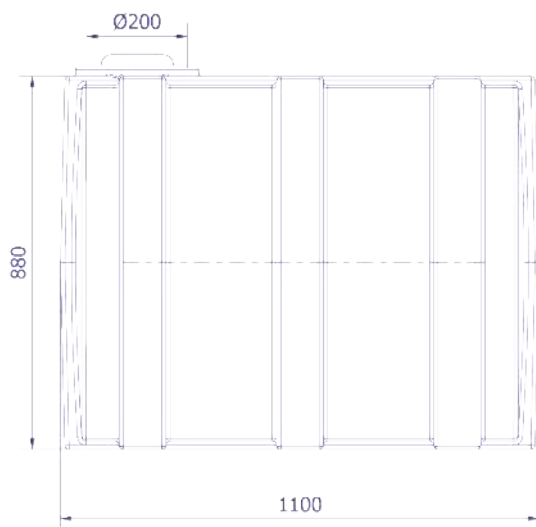
Separation of hydrocarbons from rainwater on paved industrial and/or private sites, with a medium pollution load, up to 25,000 mg/dm³

Characteristics

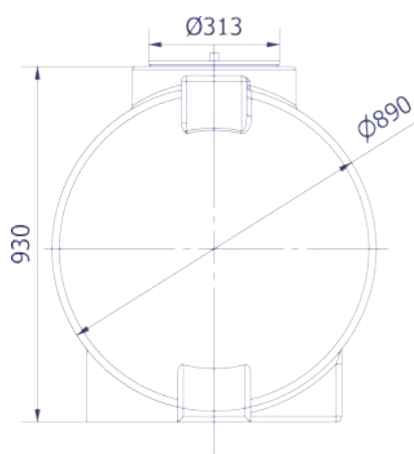
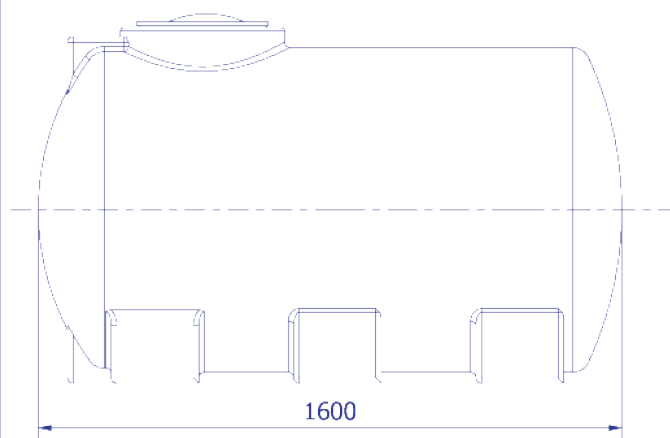
Color: black
 Dimensions: H 1560 mm (max 2560 mm), W 1500 mm, L 4650 mm, V = 3 × 2.5 m³
 Access opening: Ø630
 Inlet/outlet connections: Ø160 / Ø160 mm
 Light-liquid storage: 3000 L
 Sludge storage: 1800 L
 Nominal flow capacity: 8–13 L/s
 Optional accessories: 60 cm riser, cast-iron or composite cover B125–D400
 Separation performance: < 2.80 mg/L hydrocarbons in water
 Supplied with: automatic shut-off device and coalescent filter
 Level sensor with alarm

Above-ground tanks

500L

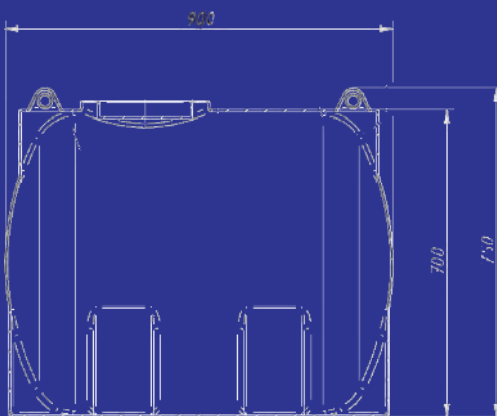
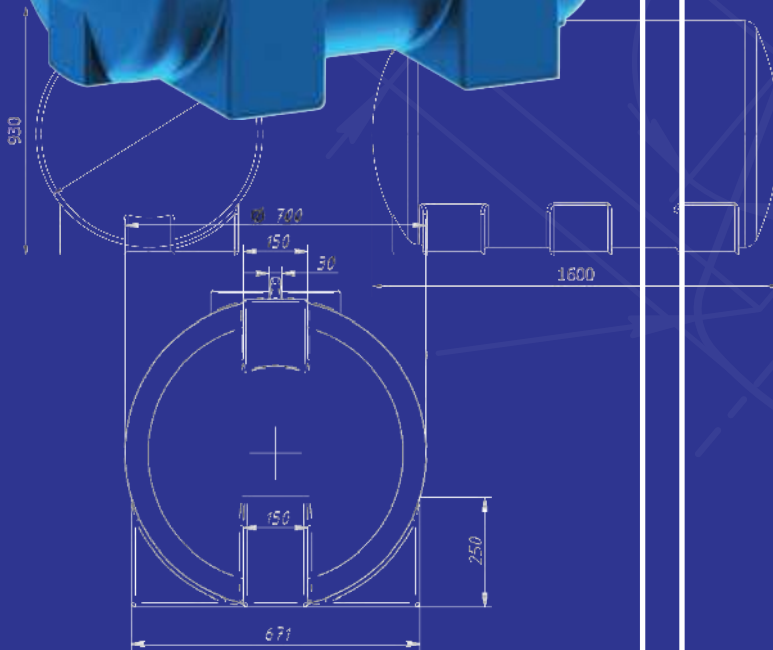
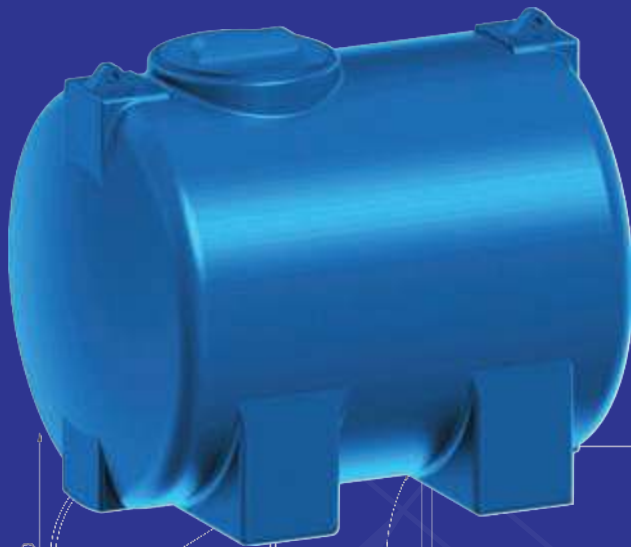
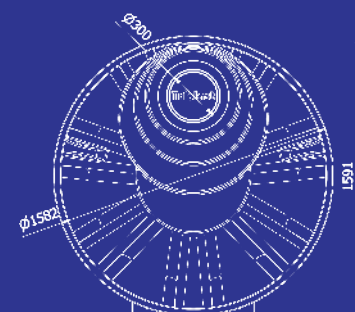
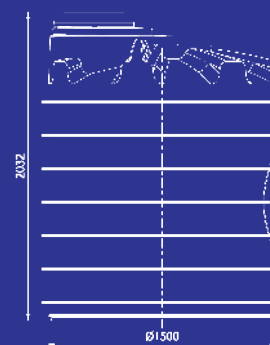
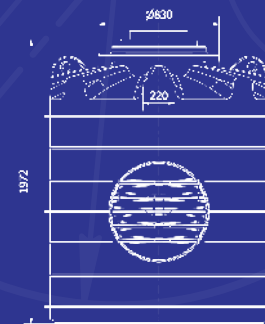


1000L



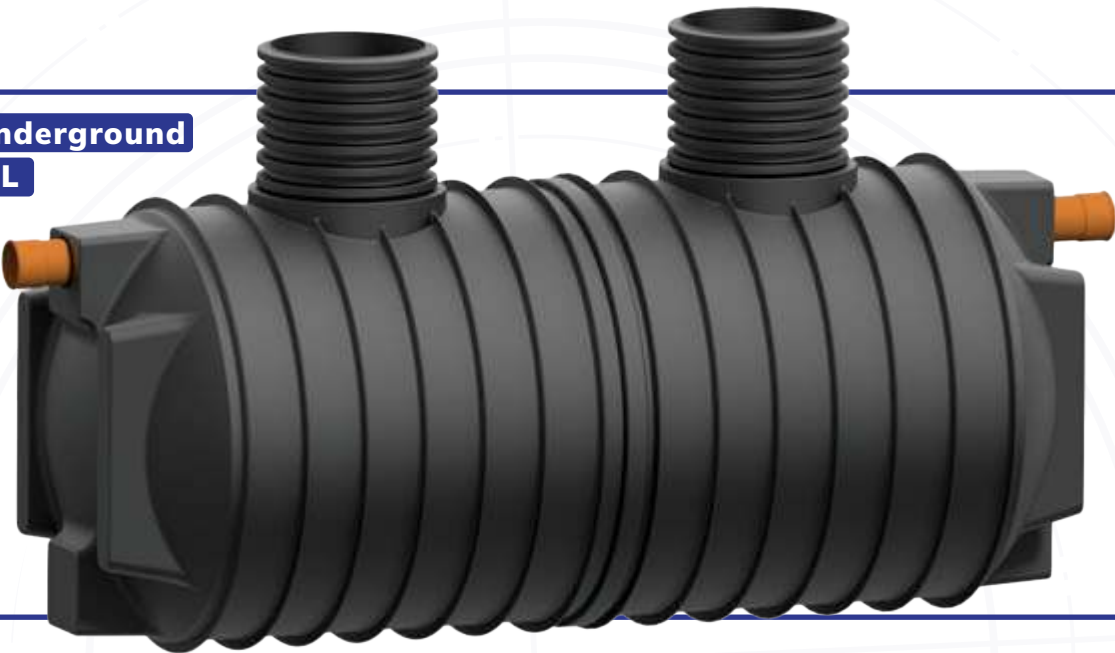
Above-ground tanks

300L

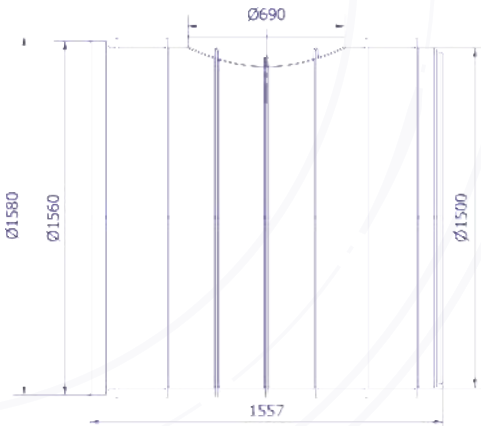
3m³ Above-ground tank

Underground tanks

Modular underground tank 5000 L



Modular underground tank 2500 L



Type	Modular tank, 2.5 m³
Fields of use	General storage. For aggressive chemical agents, consult the manufacturer. For potable-water storage, notify the manufacturer.
Materials	Polyethylene
Characteristics	Color: Black. Upon request, they can also be manufactured in a wide range of colors. Height: 1530 mm, Width: 1500 mm, Length: 1545 mm Access opening: Ø700 mm (depending on requirements) Option to install: Valves, cable glands Lid: PE, cast iron, or composite Lifting element Corrugated pipe
Advantages	Elements can be connected by welding or via pipe couplers; capacity can be increased by joining elements in length/width (limited only by transport, handling and installation conditions) Low weight; easy to handle Temperature resistance -40...+60 °C Smooth interior surfaces for easy cleaning By welding/adding elements, the tank capacity can be increased (within transport limits)

*The images in the catalog are illustrative and do not entail contractual liability.

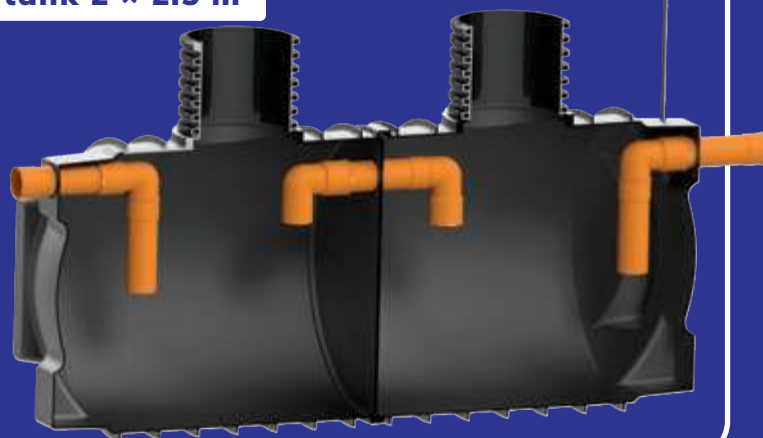
**Products may be modified without prior notice.

Septic tanks

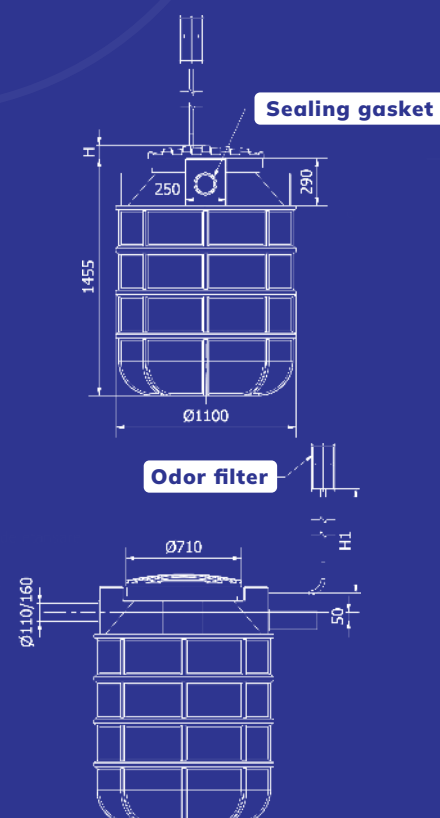
Septic tank 1 m³



Septic tank 2 x 2.5 m³

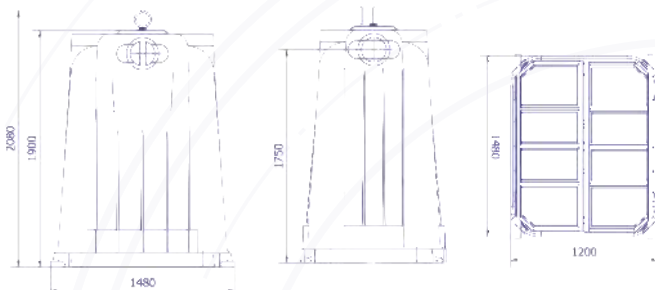


Type	Pump-out (holding) tank
Materials	Polyethylene
Fields of use	Collection and temporary storage of domestic wastewater from kitchens and sanitary installations, for households of 2–5 persons.
Characteristics (tank)	Color: black Height: 1455 mm Width: 1100 mm Access cover opening: Ø630 mm Inlet port: Ø110/160 mm Outlet port (capped) for connecting multiple tanks in series Useful volume: 1 m³ Vent filter on PE DN32 pipe, installed at a location convenient for the user
Characteristics (cover/frame set)	Cover class: C250 Optional sealing gasket between cover and frame Assembly dimensions: 880 × 880 × 900 mm
Advantages	Shock resistant Easy to handle Temperature-resistant (–40...+60 °C) Smooth interior surfaces for easy cleaning
Options	30 cm riser Cast-iron or composite cover, class A15 or B125

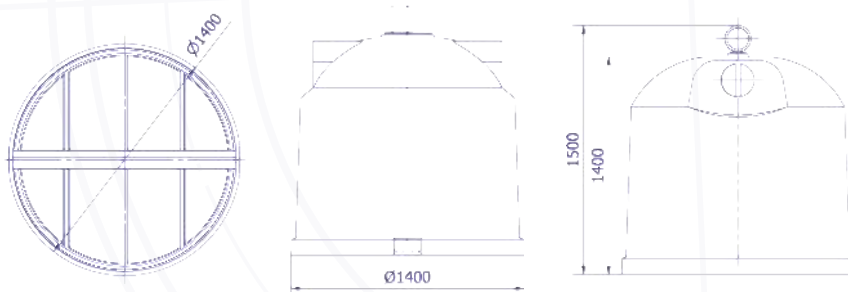


Igloo Container

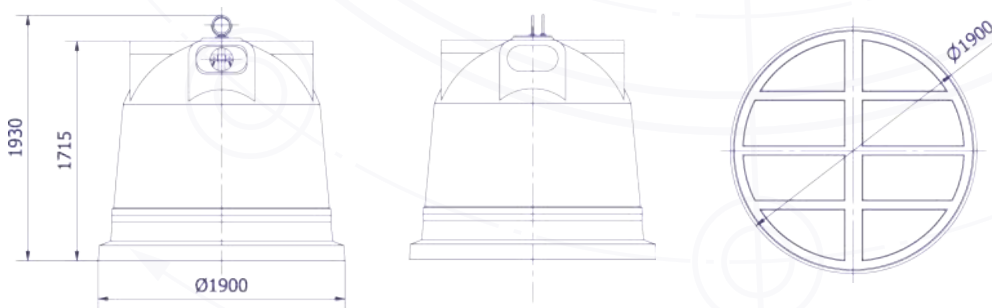
Bell container for selective waste collection by material type, 2.5 m³



Bell container for selective waste collection by material type, 1.5 m³



Bell container for selective waste collection by material type, 3 m³



Model	1.5 mc	2.5 mc	3 mc
Properties	Bell for selective waste collection by material type		
Characteristics	Height 1480 mm Base Ø1400 mm Shape truncated-cone Wall thickness min 4 mm Useful/total volume 1.42 / 1.58 m ³ Own weight approx. 70 kg Payload minimum 6350 kg	Height 2080 mm Base 1480 × 2100 mm Shape truncated-cone Wall thickness min 6 mm Useful/total volume 2.30 / 2.52 m ³ Own weight approx. 100 kg Payload minimum 1000 kg	Height 1715 mm Base Ø1900 mm Shape truncated-cone Wall thickness min 4 mm Useful/total volume 2.70 / 3.00 m ³ Own weight approx. 110 kg Payload minimum 1080 kg
Colors	Blue, Green, Yellow	Blue, Green, Yellow	Blue, Green, Yellow

1100-L Containers & Composters

Eurocontainer metal:

Type	Eurocontainer	
Materials	Cold-galvanized steel sheet	
Field of use	Receptacle used for waste collection, designed for use in public areas and other outdoor sites where the implementation of waste collection is required by current legislation	
Characteristics	Height 1470 mm; width 1360 mm; length 1080 mm; usable load 440 kg; volume 1100 L	
Advantages	Designed in accordance with EN-840; standard dimensions allow loading/unloading on refuse trucks. Deep-drawn (pressed) from cold-galvanized steel sheet. Hinged, ribbed lid with a mechanism that locks in fully open or closed position; fitted with a rubber sealing band to prevent rainwater ingress and odour emission when closed. Can be supplied with coloured lids with special openings for selective (recyclables) collection. Temperature resistant (−40...+60 °C). Resistant to weathering and UV. High mechanical strength. Easy to clean; bottom drain hole for emptying water. Fitted with four 200 mm fully swivelling (360°) rubber castors, two with brakes	

Eurocontainer metal



Eurocontainer plastic



Composter 400L

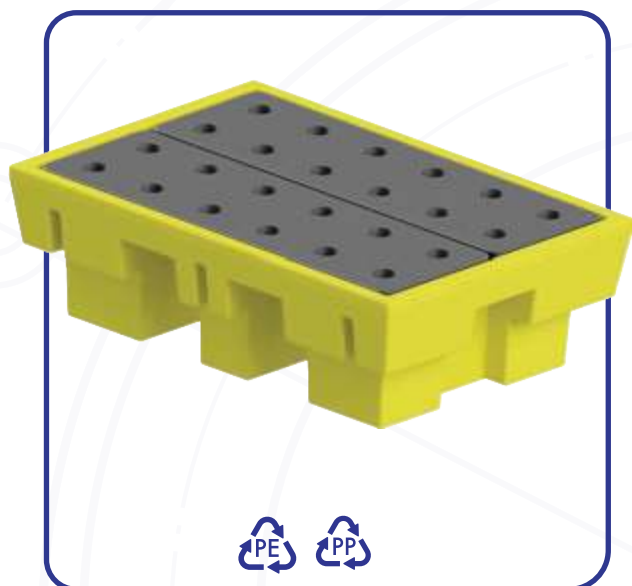


Eurocontainer plastic:

Tip	Eurocontainer	
Materials	Plastic	
Field of use	Container used for waste collection, designed to be used in public areas and other outdoor spaces where the implementation of waste collection is required, in accordance with current legislation.	
Characteristics	Flat lid: Height 1330 mm, Width 1060 mm, Length 1360 mm, Usable capacity 500 kg, Volume 1047 liters	Rounded lid: Height 1460 mm, Width 1050 mm, Length 1360 mm, Payload 530 kg, Volume 1146 liters
Advantages	Designed in accordance with EN-840; standard dimensions allow loading/unloading on refuse trucks. Metal components are hot-dip galvanized. Hinged lid; can be supplied with lids having special openings for selective (recyclables) collection. Temperature resistant (−40...+60 °C). Resistant to weathering and UV. High mechanical strength. Easy to clean; bottom drain hole for emptying water. Four swivelling rubber castors, two with brakes. Can be customized with stickers.	

■ SVHC Retention Tray & EUR1 Pallet

Retention tray (240 L):



Type	240-L retention tray
Field of use	Container used to retain accidental spills from drums containing SVHC. For drums that may suffer structural damage while stored or transported (220-L drums). For aggressive chemicals, please consult the manufacturer
Materials	Polyethylene
Characteristics	Tray with removable grating, Height: 405 mm; Width: 910 mm; Length: 1320 mm, Useful volume: 240 L Load platform sized for two 220-L drums, Admissible static load: 250 kg Admissible dynamic load: 2000 kg
Optional	Possibility to fit a drain valve EUR1 pallet (plastic or wood), 1200 × 800 mm
Advantages	Heat-resistant (−40...+60 °C) Resistant to weather and UV radiation High mechanical strength, easy to clean Safely collects leaks from up to two 220-L drums

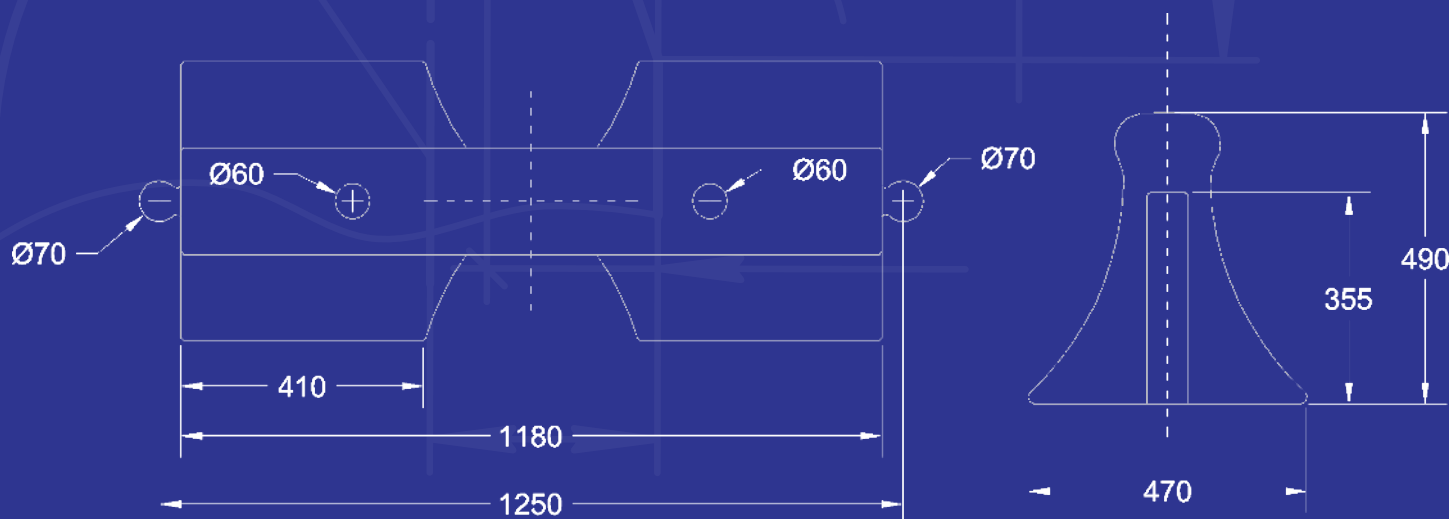
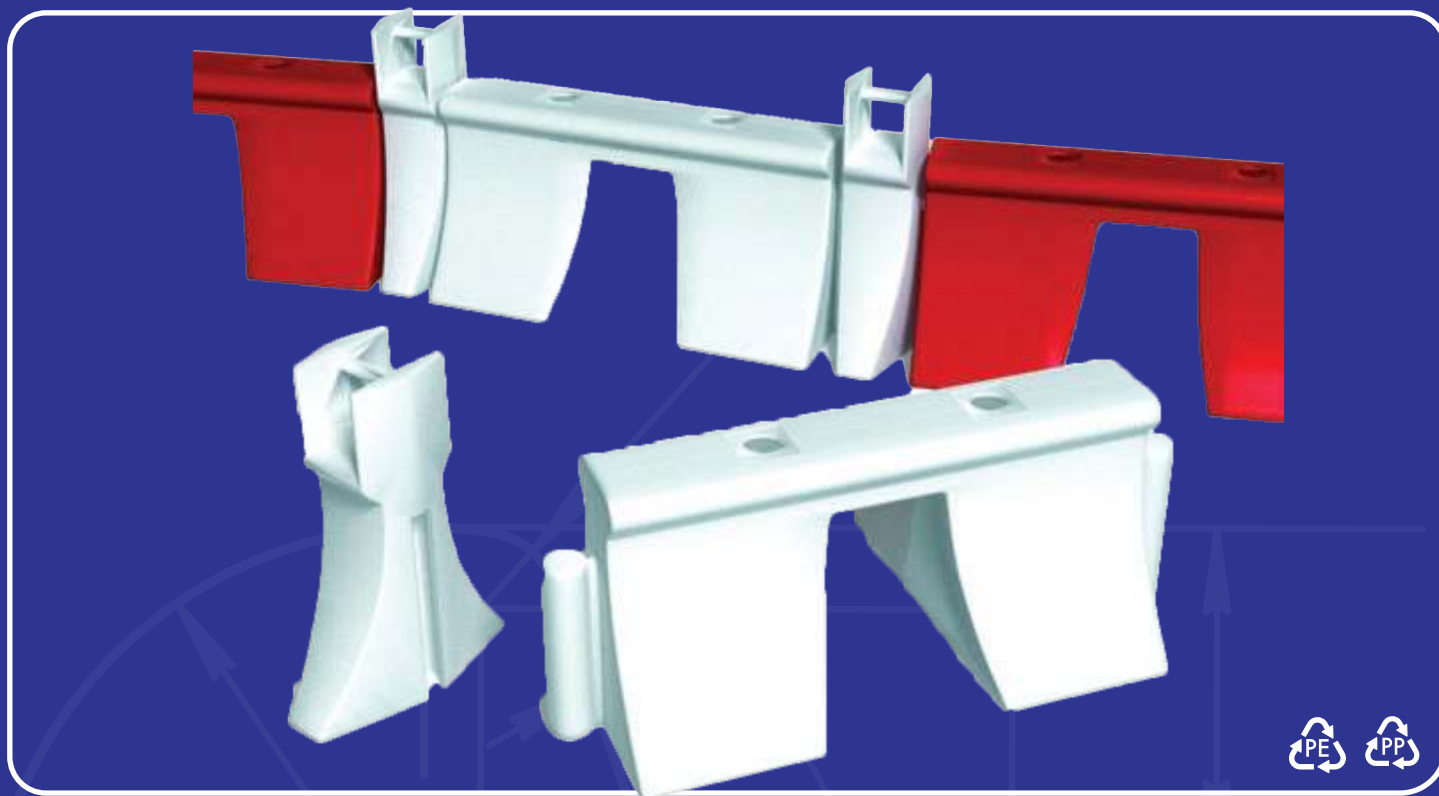
Polyethylene EUR1 pallet:

Type	EUR1 pallet made of polyethylene
Field of use	Tertiary packaging for transport and storage of general goods
Materials	Polyethylene
Color	Grey – general goods White – pharmaceutical & food industry Red – hazardous substances Blue – beverages & supermarkets Green – fruit, vegetables & general food
Characteristics	Height: 170 mm (including handling runners), Width: 800 mm; Length: 1200 mm, Weight: 10–15 kg (depending on version),
Advantages	Rated load: up to 1500 kg (for the 14-kg version) Easy to handle, high visibility Heat-resistant (−40...+60 °C) Easy to wash/clean



■ Lane separator

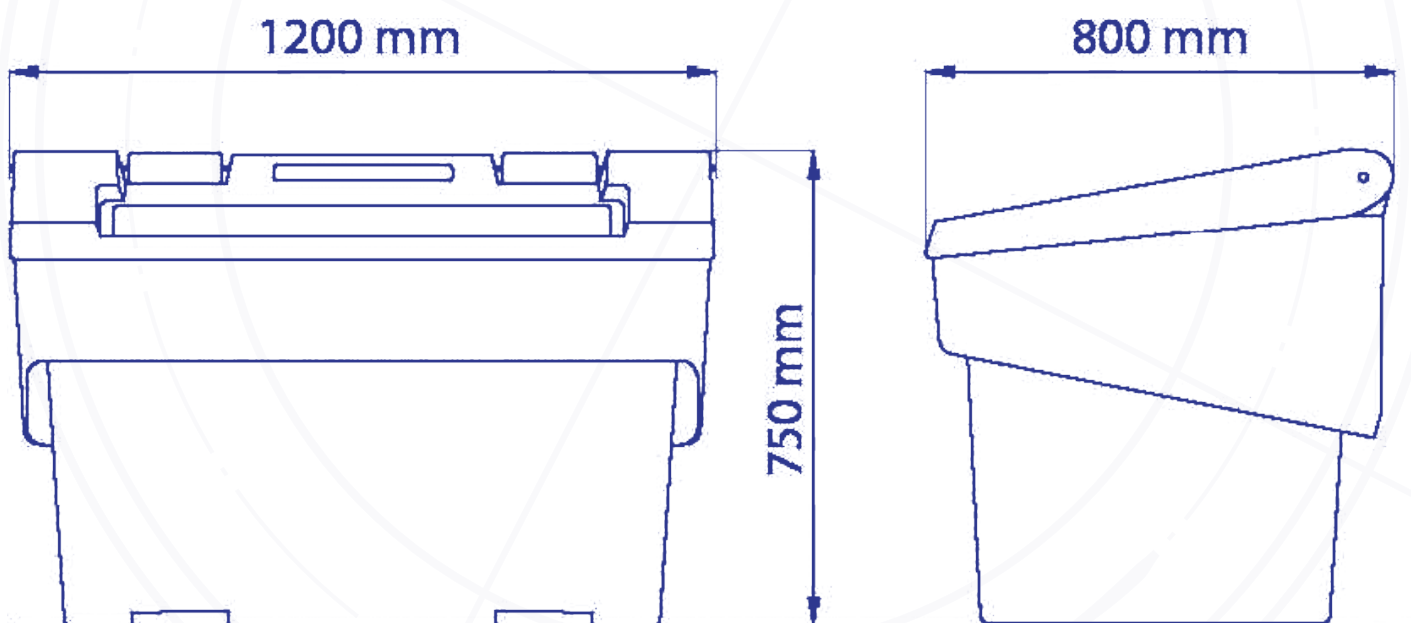
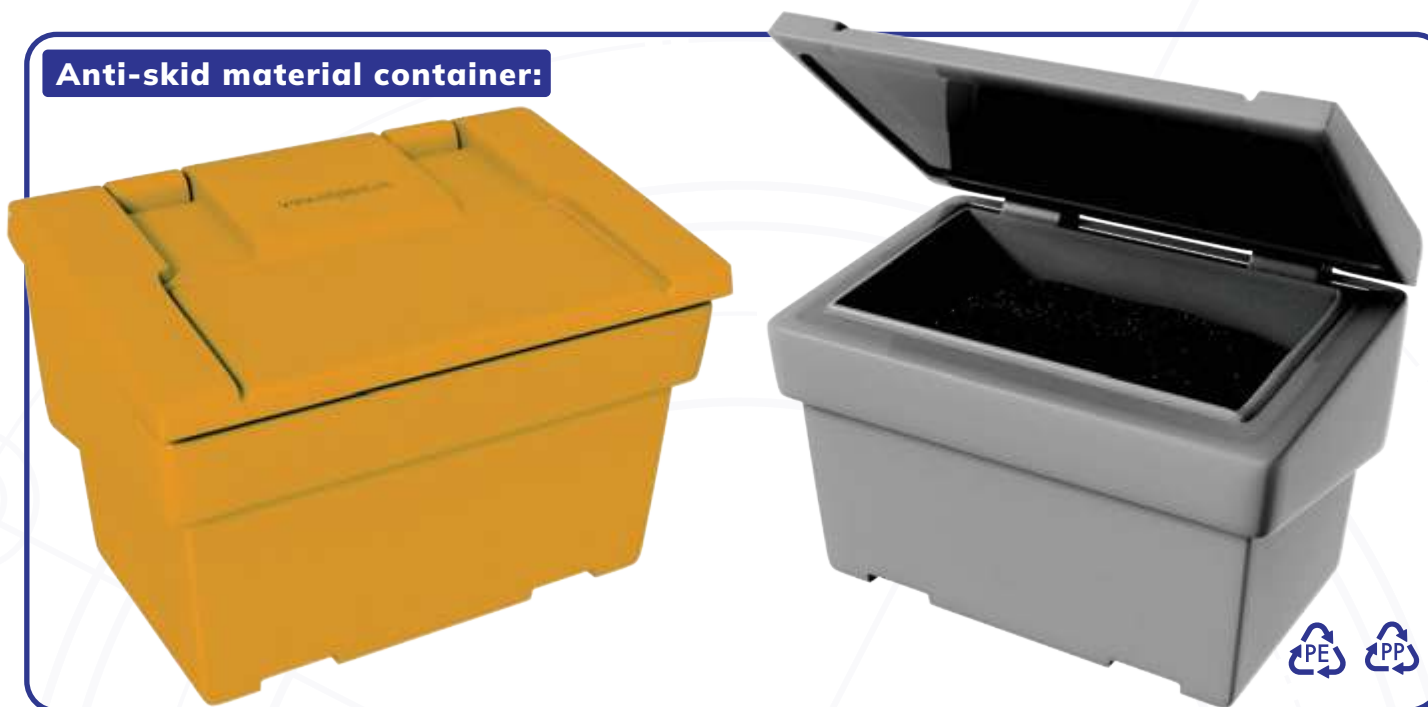
Lane separator for marking and temporary deviation of traffic lanes:



Type	Lane separator for marking and temporary deviation of traffic lanes
Field of use	Separation of traffic directions on carriageway and non-carriageway areas Traffic guidance Fencing off construction sites and work zones
Materials	Polyethylene
Color	Red and white segments
Characteristics	Height 490/630 mm Width 470/470 mm Length 1320/210 mm
Optional	Can be filled with water or sand

■ Anti-skid material container

Anti-skid material container:



Type	Anti-skid material container
Field of use	Container for storing anti-skid material along roads and pavements
Materiale	Polyethylene
Color	Black, blue, green, yellow; other colors available on request
Characteristics	Height 750 mm; Width 800 mm; Length 1200 mm; Approx. capacity 400 kg
Advantages	Easy to handle with forklift lifting holes; stackable in summer; temperature resistant (-40...+60 °C); easy to clean

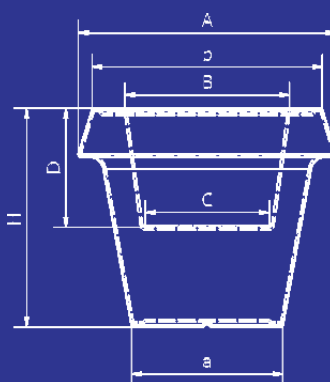
Deko products

BUCKY



Fields of use	Decorative indoor/outdoor furniture, vase (ornamental planter), ice-bucket table
Materials	Polyethylene
Optional	RGB LED lighting kit with remote for changing colors and brightness Drain system Sticker Personalization/branding
Colors	White; on request the base can be produced in a wide range of colors, neon or granite finish
Advantages	Impact and weather resistant, Easy to handle, Temperature resistant (-40...+60 °C)

Dimensions (cm)							
Product	H	A	a	B	b	C	D
Bucky M	70	ø83	ø50	ø54	ø73	ø42	38

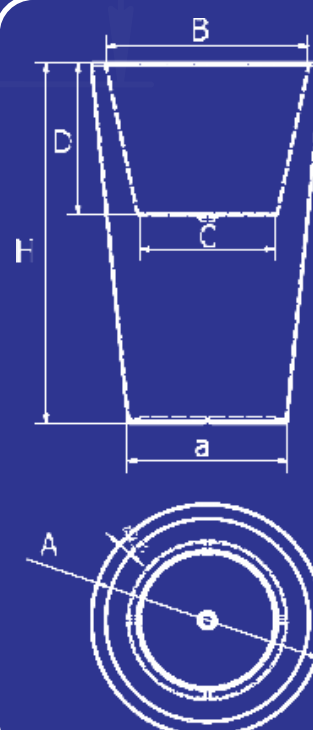


CILLY



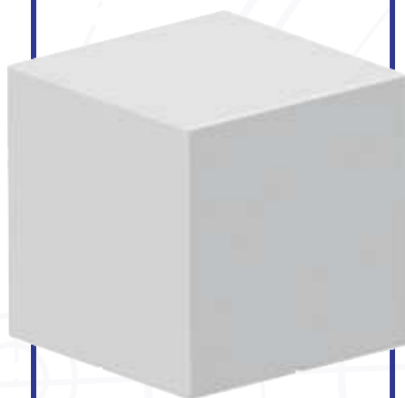
Fields of use	Decorative indoor/outdoor furniture, vase (ornamental planter), ice-bucket table
Materials	Polyethylene
Optional	RGB LED lighting kit with remote for changing colors and brightness Drain system Sticker Personalization/branding
Colors	White; on request the base can be produced in a wide range of colors, neon or granite finish
Advantages	Impact and weather resistant, Easy to handle, Temperature resistant (-40...+60 °C)

Dimensions (cm)						
Product	H	A	a	B	C	D
Cilly XL	98	ø62	ø42	ø53	ø35	40



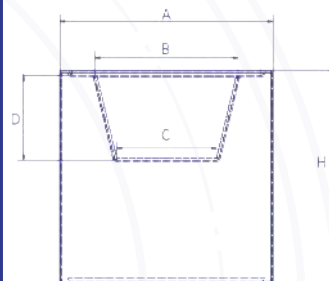
Deko products

CUBY



Fields of use	Decorative indoor/outdoor furniture, vase (ornamental planter), side table/nightstand, ice-bucket table
Materials	Polyethylene
Optional	RGB LED lighting with remote (color & brightness control) Drain system Sticker Personalization/branding
Colors	White; on request the base can be produced in a wide range of colors, neon or granite finish
Advantages	Impact and weather resistant, Easy to handle, Temperature resistant (-40...+60 °C)

	Dimensions (cm)				
Product	H	A	B	C	D
CUBY S	43	43	29	20	17

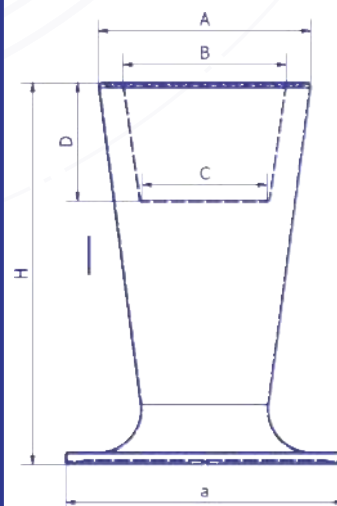


ICKY



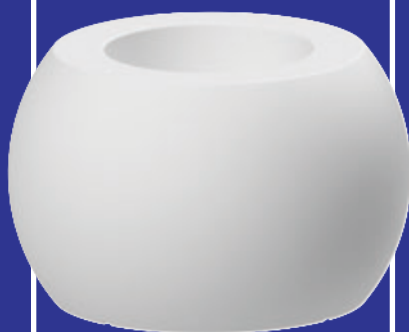
Fields of use	Decorative indoor/outdoor furniture, vase (ornamental planter), ice-bucket table
Materials	Polyethylene
Optional	RGB LED lighting with remote (color & brightness control) Drain system Sticker Personalization/branding
Colors	White; on request the base can be produced in a wide range of colors, neon or granite finish
Advantages	Impact and weather resistant Easy to handle, Temperature resistant (-40...+60 °C)

	Dimensions (cm)					
Product	H	A	a	b	C	D
ICKY L	90	ø50	ø65	ø38	ø30	28



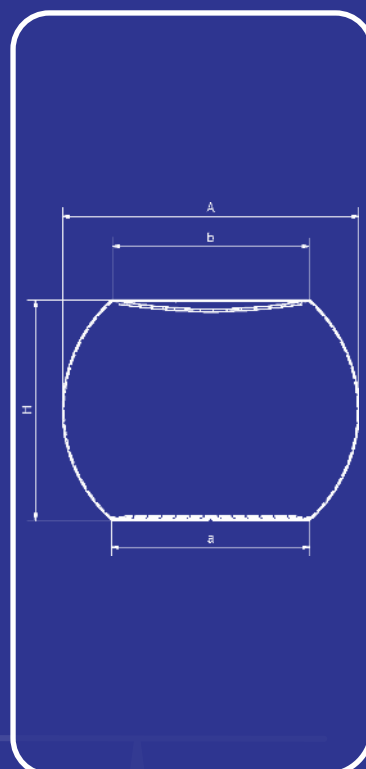
Deko products

ROLLY

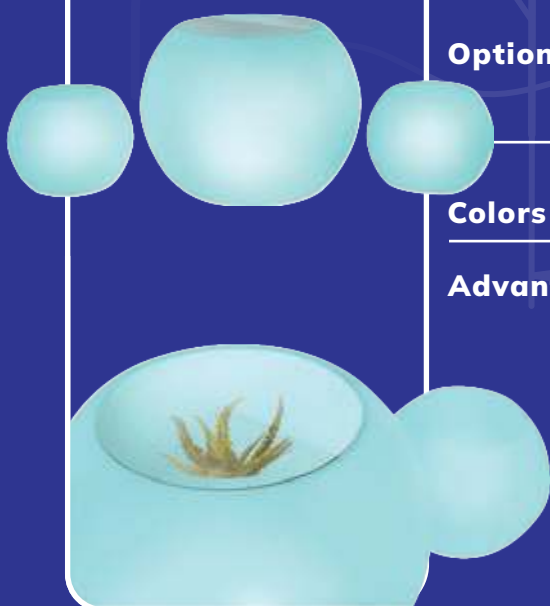


Field of use	Decorative indoor/outdoor furniture; stool; illuminated decorative element
Materials	Polyethylene
Optional	RGB LED lighting with remote (color and brightness control) Drain system Glass Personalization/branding
Colors	White; on request the base can be produced in a wide range of colors, neon or granite
Advantages	Impact and weather resistant, Easy to handle, Temperature resistant – 40...+60 °C

Dimensions (cm)				
Product	H	A	a	b
ROLLY	40	ø53	ø34	ø34

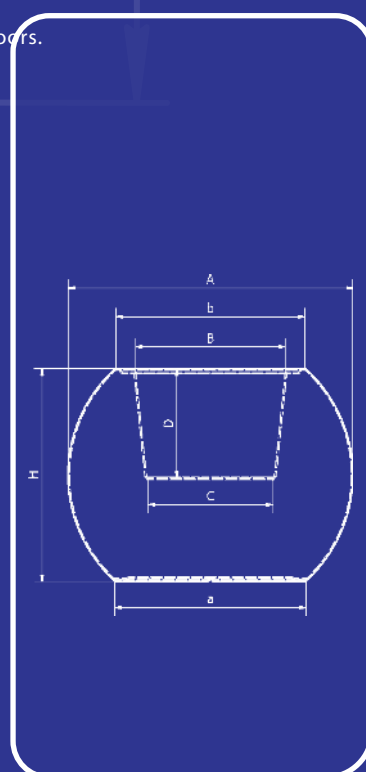


ROLLY SET



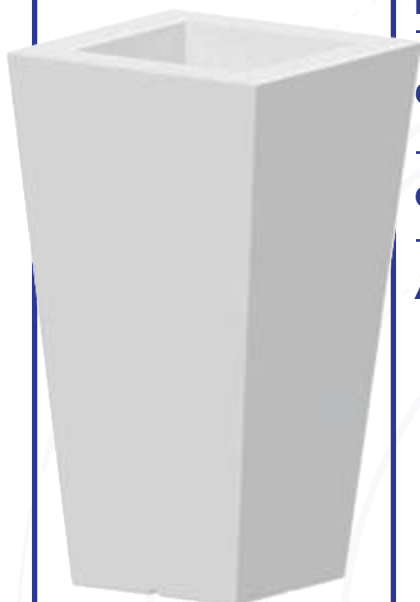
Field of use	Decorative furniture for indoors/outdoors. Seat / illuminated decorative element
Materials	Polyethylene / glass
Optional	RGB LED lighting with remote (color & brightness control) Drain system Decals Personalization/branding
Colors	White as standard; on request the base can be made in a wide range of colours, neon or granite finish
Advantages	Impact- and weather-resistant Easy to handle, Temperature resistant (-40...+60 °C)

Dimensions (cm)							
Product	H	A	a	B	b	C	D
ROLLY Seat	32	ø43	ø30	-	ø30	-	-
ROLLY Table	67	ø90	ø60	ø48	ø60	ø39	35



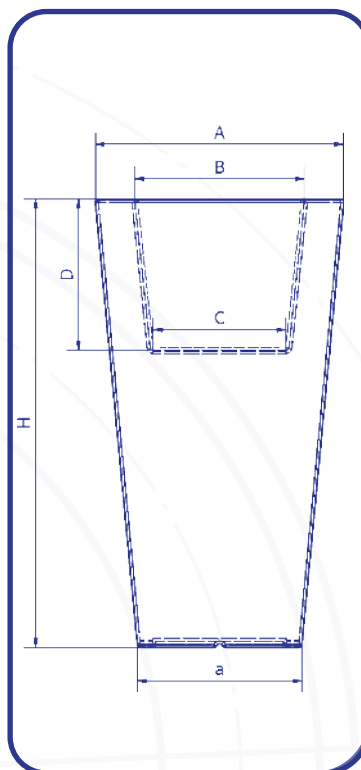
Deko products

VICKY



Field of use	Decorative indoor/outdoor furniture; vase (ornamental planter); champagne/ice bucket
Materials	Polyethylene
Optional	RGB LED lighting with remote for color and brightness control; drainage system; glass; personalization/branding
Color	White as standard; on request, a wide range of base, neon, or granite colors
Advantages	Impact and weather resistant; easy to handle; temperature resistant – 40...+60 °C

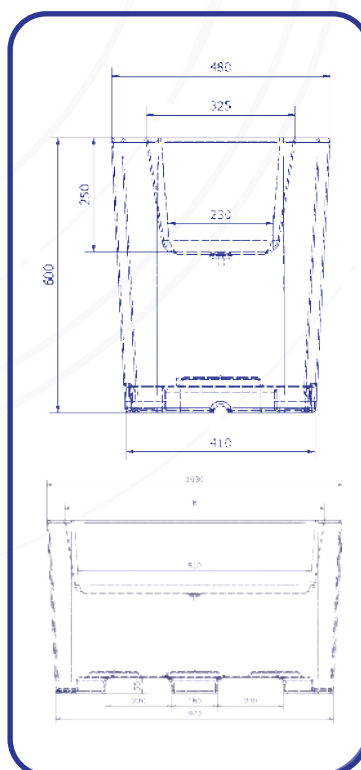
Dimensions (cm)						
Product	H	A	a	B	C	D
VICKY S	48	38	25	29	24	19
VICKY L	74	40	26	32	27	25
VICKY XL	90	42	26	33	24	35



WALLY



Field of use	Decorative indoor/outdoor furniture; vase (ornamental planter); champagne/ice bucket; space delimitation and partitioning
Materials	Polyethylene
Optional	RGB LED lighting with remote for color and brightness control; drainage system; glass; personalization/branding
Color	White as standard; on request, a wide range of base, neon, or granite colors
Advantages	Impact and weather resistant; easy to handle; temperature resistant – 40...+60 °C





IRUM
Tractoare românești

■ IRUM products

IRUM fuel tank 110 L



IRUM fuel tank 90 L



■ Custom-made products

**Scoop/
Trough slide**



**240 L
wheelie-
bin shed
/ storage**



Tunnel slide



Milacron M1300

Milacron – tradition and innovation

The FERROMATIK brand plastic-injection machines, Milacron type (model M1300), were purchased as part of our effort to diversify our production technologies, and to broaden our technological capabilities.

They complement the rotational-molding technologies we have relied on until now and open up new production possibilities.

The first machines in the injection family were chosen to serve a wide range of products for several industries (construction, agri, automotive, etc.), with the goal of increasing our in-house manufacturing capacity and reducing reliance on outside suppliers over the medium and long term.

The Milacron line is known for the quality and reliability of its plastic-injection equipment, features that help us keep pace with modern production flows.

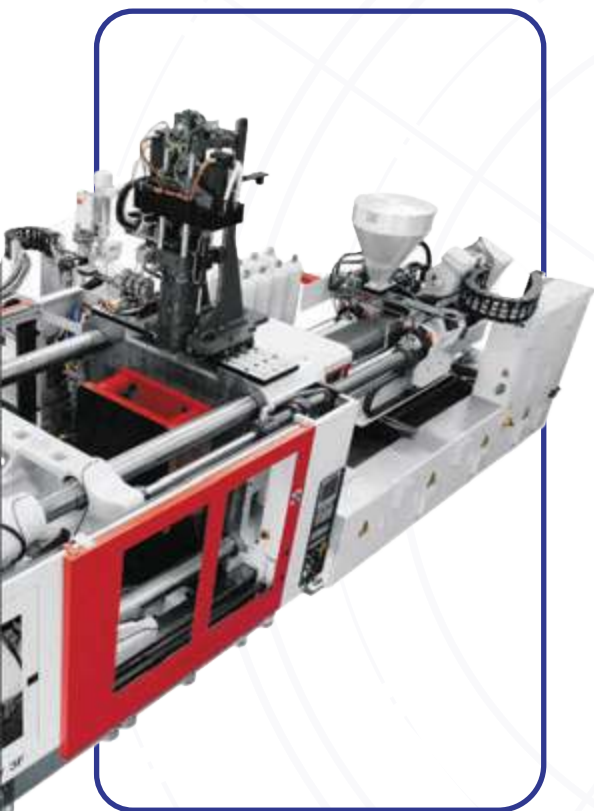


M1300 – features and capabilities

The M1300 is a semi-automatic or fully automatic injection-molding machine intended for the production of medium- to large-size plastic parts. With a clamping force of approx. 13000 kN (≈ 130 t), it fits into the medium-energy segment of injection machines, offering a balanced mix of speed and power.

Key characteristics of the M1300 include:

- 13000 kN clamping force**, ideal for a wide range of molds;
- Modular injection**, unit that allows processing of multiple thermoplastic materials, including engineering grades;
- Advanced controller** with a graphical interface and multiple options for programming injection parameters;
- High accuracy** of dosing and injection pressure thanks to the servo-hydraulic system;
- Optimized cycle** with reduced mold close/open and injection times;
- Efficient cooling system** that reduces wear and maintains optimal temperature in continuous processes;
- Robust structure**, designed for durability and resistance under heavy mechanical loads.



Clamping force	13000 kN
Maximum distance between platens	2800 mm
Maximum mold weight	27825 kg
Maximum injection volume	5322 cm ³
Maximum injection weight	4843 g

Krauss Maffei KM 1101 GX – Advanced injection technology for plastics

In 2026, a new Krauss Maffei KM 1101 GX injection machine was put into operation, representing the newest generation designed for processing plastic materials with high precision and repeatability. Engineered for high-performance production, this machine features a state-of-the-art control system, offering reliability, repeatability, and excellent energy efficiency.

With a clamping force of 11,000 kN, optimized injection dynamics, and short cycle times, the KM 1101 GX is ideal for producing high-quality plastic components with tight tolerances.

Clamping force	11000 kN
Maximum distance between platens	2400 mm
Maximum mold weight	26000 kg
Maximum injection volume	5453 cm ³
Maximum injection weight	3872 g



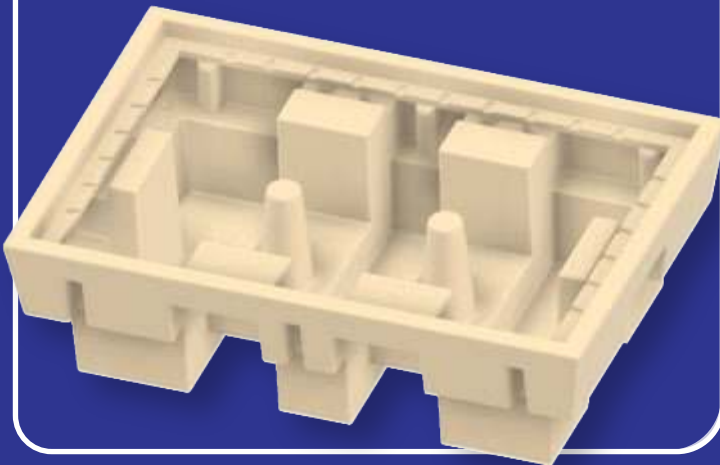
■ Design

Rotational-molded parts are designed in 3D software. After the design is finalized, the part is analyzed with a Finite Element Analysis (FEA) to simulate the loads and pressures that occur during use.

Design steps:

- Place the design order for a part, taking into account the project specifics and the client's requirements
- Involve and align all stakeholders
- Check compliance with Romanian and/or international standards
- Design, prototyping, and finite-element analysis
- Review / improvements / redesign meeting
- Project approval
- Production
-

Initial retention tray



Design example – retention tray

In general, a retention tray is a container for storing and transporting liquids, hazardous liquids, or aggressive chemical agents kept in standardized 220-liter drums.

Based on commercial, marketing, and legal requirements, the decision was made to develop a new product. The first step was market research, followed by the involvement of the design department and the definition of the principles and characteristics of the new product.

After creating the 3D model, the modification and improvement points were defined, considering the product's functionality and the environment in which it will be used.

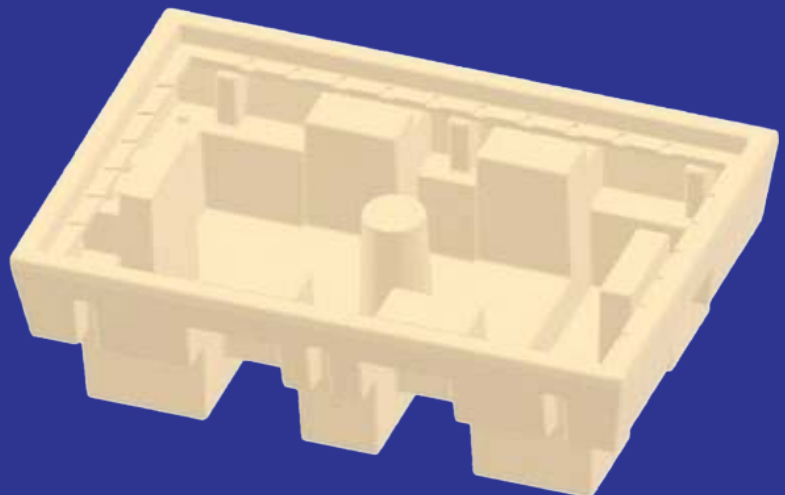
Afterward, the product was remodeled and the new 3D model was presented, then verified using Inventor's Stress Analysis module—testing deformation and buckling of the tray under the load of a standard EUR-pallet holding two 220-liter drums. The results were satisfactory for multiple wall-thickness variants.

A prototype was then produced by 3D printing using PLA and ABS.

Once the mold was completed and received, overall dimensional measurements and visual inspection were performed, followed by trial tests to verify stability and wall thickness.

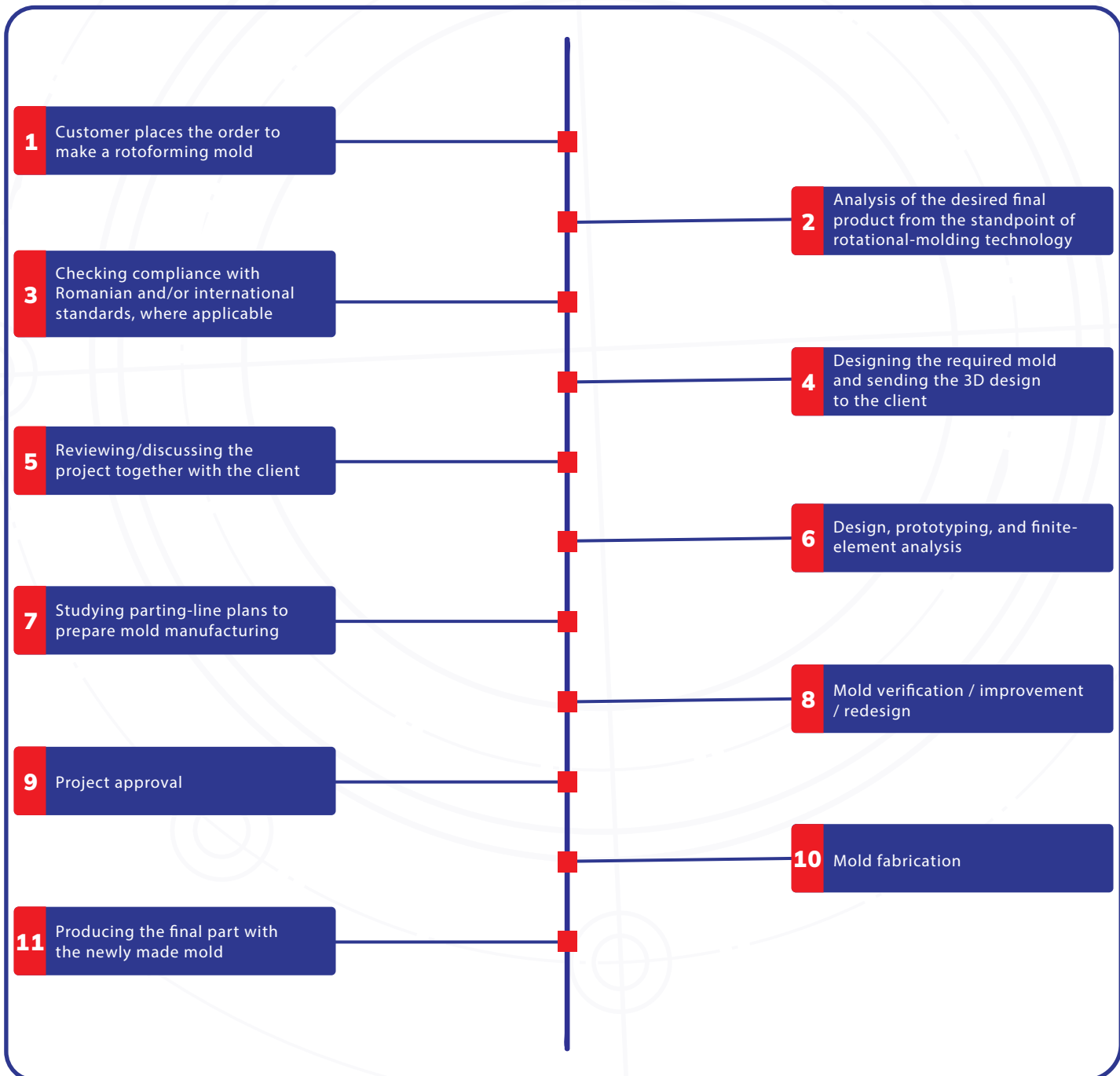
After final load tests, the product was submitted to INCD Urban for quality certification, and finally released for series production.

Retention tray after modification



■ Making a rotational-molding (rotoforming) mold

Creating a customer's mold is a new service at Triplast and consists of the following steps:



Molds are made from sheet steel or CNC-machined aluminum. Depending on the load requirements, the finished product can have a wall thickness from 2–3 mm up to 15 mm. Aluminum molds are usually chosen for complex situations, when the product geometry requires it.

Making the mold by rotational molding is cost-effective when the final product is sufficiently large and heavy, or when an injection mold would be too expensive.



Prezentul certificat este valabil numai însoțit de probă scrisă
București, 05.07.2024



**Scan the QR code to
access the Triplast website.**



Notes

■ Notes



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■ Notes

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