

When it comes
to chambers

ECONOMICAL SOLUTIONS WITH SYSTEM.
More efficiency guaranteed.

ROMOLD – YOUR PARTNER FOR INNOVATIVE MANHOLES AND INSPECTION CHAMBERS

MAKE USE OF THE KNOW-HOW OF THE MARKET LEADER

- highest quality requirements are our permanent challenge
- we offer constant innovations and developments
- we have qualified, experienced and highly committed staff
- our clients benefit from the highest service level

IN-DEPTH EXPERTISE

When ROMOLD GmbH launched the first industrially produced plastic chambers onto the market in 1992, it was no less than a minor revolution – as the former technology was literally cemented into people's minds. However, the benefits in practice are so great that this innovative product soon took off, making ROMOLD the European market leader for plastic chambers today.

ROMOLD concentrates purely on chambers and is the only supplier that has specialised exclusively in the plastic chamber segment. This has enabled us to develop a level of in-depth expertise that is second to none. Our products and services are innovative down to the last detail. You too can profit from our special future-oriented chamber solutions!

MATURE SYSTEM TECHNOLOGY

With the world's largest product range and the capability of producing even very small batches of custom products, we are able to react to your wishes very flexibly.

We have a portfolio of over 1,000 products that are available at short notice and which cover 99% of all applications.

Additional modifications can be made to adapt these standards to local circumstances, e.g. by welding in additional channels. ROMOLD manufactures to the highest quality standards; these are ensured by continual internal and external monitoring. And of course the company is also certified in accordance with DIN ISO 9001, providing you with the security that you always get the best, as well as the most flexible systems.

QUALITY FROM THE PLANNING STAGE THROUGH TO INSTALLATION

We manage each and every project with commitment and dynamism from the consulting stage right through to installation. We offer seminars for planning offices and public authorities on site and in our headquarters.

SALES IN EUROPE

INTERNATIONAL SUCCESS



As the European pioneer for industrially manufactured plastic chambers (over 1,5 million chamber components sold), ROMOLD product development builds on more than 25 years of expertise.

On the basis of extensive international experience, ROMOLD offers its customers a selection of plastic chambers for any application – unique in its class world-wide.

In combination with the well-known ROMOLD quality and the customer service of a medium-sized company, ROMOLD offers advantages which can be delivered only by a pioneer in the plastic chambers sector.



ROMOLD: JUST RELY ON OUR EFFORTS

INNOVATIONS COMBINED WITH CERTIFIED QUALITY

WHEN IT COMES
TO CHAMBERS:
ROMOLD!



ROMOLD has been the European pioneer for industrial manufactured plastic chambers for over 25 years. Many innovations, which are today state of the art, have been developed by the engineers and employees of ROMOLD.

When it comes to chambers, go with ROMOLD.

1992:
first industrial DN 1000 manholes in Europe

1992:
indirect load transfer of traffic loads in road construction

1994:
first energy compensating chambers with self-cleaning round bottom

1995:
launch of the DN 800 chamber system in accordance with EN 476 in Europe

1996:
first watertight cable chamber system

1996:
road gullies made of plastics

1998:
corrosion-free pressure pipe end chambers based on the round bottom system

2000:
fully equipped valve chambers made of plastics

2002:
rain and wastewater combined in a single chamber

2005:
patented active-carbon-filter for elimination of odours from sewage systems

2008:
divisible square-section plastic cable chamber (ROM-Box)

2009:
road gullies with sludge sump also for longitudinal drainage

2010:
DN 1000 chamber system in accordance with EN 13598-2

2012:
road gullies with stench traps

2013:
RPC 80 domestic pump station for class D 400

2014:
Slug feeder, broadband chamber

2016:
Longitudinal drainage for motorway construction

2017:
2nd generation sewer chamber filter

2018:
Cover-in-cover system –
absolutely watertight solution for valve chambers



CAN YOU AFFORD IT TO CONSTRUCT CHEAPLY?

SMART INVESTITION INSTEAD OF EXPENSIVE MAINTENANCE

Typically, plastic chambers are used where durability, simple handling, absolute tightness and corrosion resistance are imperative.

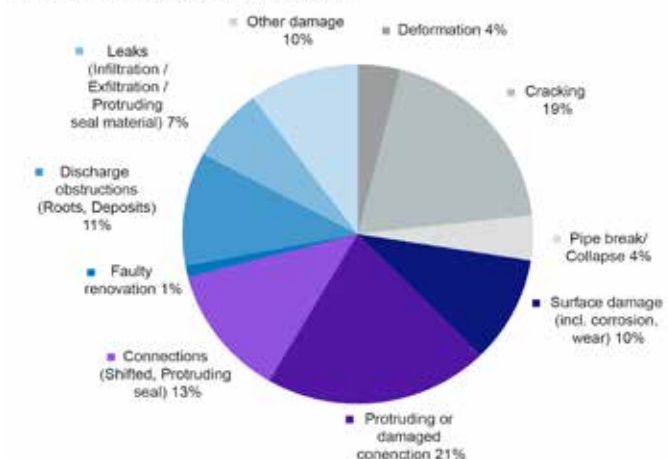
Thanks to their long lifespan, ROMOLD chambers guarantee longer depreciation periods. The verified lower maintenance costs are also a relevant argument for operators.

We are also happy to set up meetings with ROMOLD customers in your vicinity. Just talk to us about your building project, we're happy to advise you!

MORE VALUE THAT PAYS OFF IN THE END

The most cost-effective and intelligent type of chamber maintenance is prevention, i.e. avoiding damage.

Damage distribution on sewers v (n = 218)



*Source: DWA-2015

According to a study by the German Institute for Underground Infrastructure (IKT) based on regional examinations, approximately 50 % of all concrete chambers already start leaking after installation (IKT-eNewsletter 02/2002).

30–50 % of the German sewer network's approx. 10 million chambers require repair work.

The consequences are far-reaching: Interruptions to infrastructure caused by additional construction work, penetrating groundwater places a burden on the sewage systems. Leaking sewage pollutes the groundwater and subsiding chambers covers pose hazards that require costly repairs.

However there is an intelligent solution for all these problems: Chambers made of plastic by ROMOLD.

DURABILITY

With its lifespan of at least 100 years, the plastic chamber is far superior to traditional systems.

LOW WEIGHT

On average, plastic components only weigh around 5% of their concrete counterparts. This simplifies the whole process, i.e. the handling, transportation and installation, as no heavy lifting gear is required – an enormous benefit when working in tight spaces or on difficult terrain.



100 % WATERTIGHT

ROMOLD products are absolutely watertight. All components are inspected with respect to internal and external pressure (0.5 bar). Therefore damage caused by leaks can be ruled out.

FLEXIBILITY

ROMOLD products react flexibly to any earth movements or subsidence. Therefore cracks are ruled out.

CORROSION RESISTANCE AND H₂S PROBLEM

ROMOLD chambers are particularly resistant to aggressive chemicals.

Therefore corrosion caused by hydrogen sulphide (H₂S) can be ruled out in ROMOLD products. This allows sensible, durable alternative solutions. These properties are now exploited in the cladding of concrete chambers. In the case of full-wall chambers by ROMOLD, these properties are standard.

COMPATIBILITY

ROMOLD products are compatible with all common pipe systems and the speed with which they can be installed is unbeatable: place the chamber, connect the pipes, put the lid on, that's it!

THE OVERALL PERSPECTIVE

Prefabricated ROMOLD chambers are the superior alternative to traditional chambers, both from a quality and economic point of view – with clear advantages from an overall perspective. Durability, sturdiness, no additional investment during maintenance and the reduction of time, machine and personnel costs during transportation and installation make ROMOLD products the more economic and longer-lasting solution. And everyone benefits from this because the citizens face lower charges whilst profiting from the new investments that are possible thanks to the savings made.

ECONOMIC SEWER NETWORK PLANNING

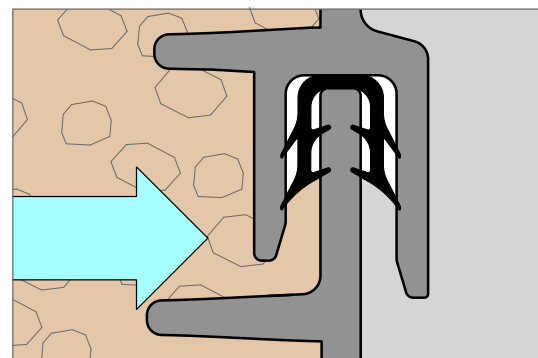
ROMOLD, in its capacity as an expert manufacturer of chambers, not only supplies type DN 1000 approved manholes, and also DN 800 for occasional access (in accordance with EN 476). Furthermore DN 400, DN 500, DN 625 and smaller inspection chambers are also available. This affords you access to alternative solutions when planning the sewage network. Save costs by using different chamber diameters in your sewage network.

ROMOLD: TRUST THE ORIGINAL

WHEN QUALITY MEETS EXPERIENCE

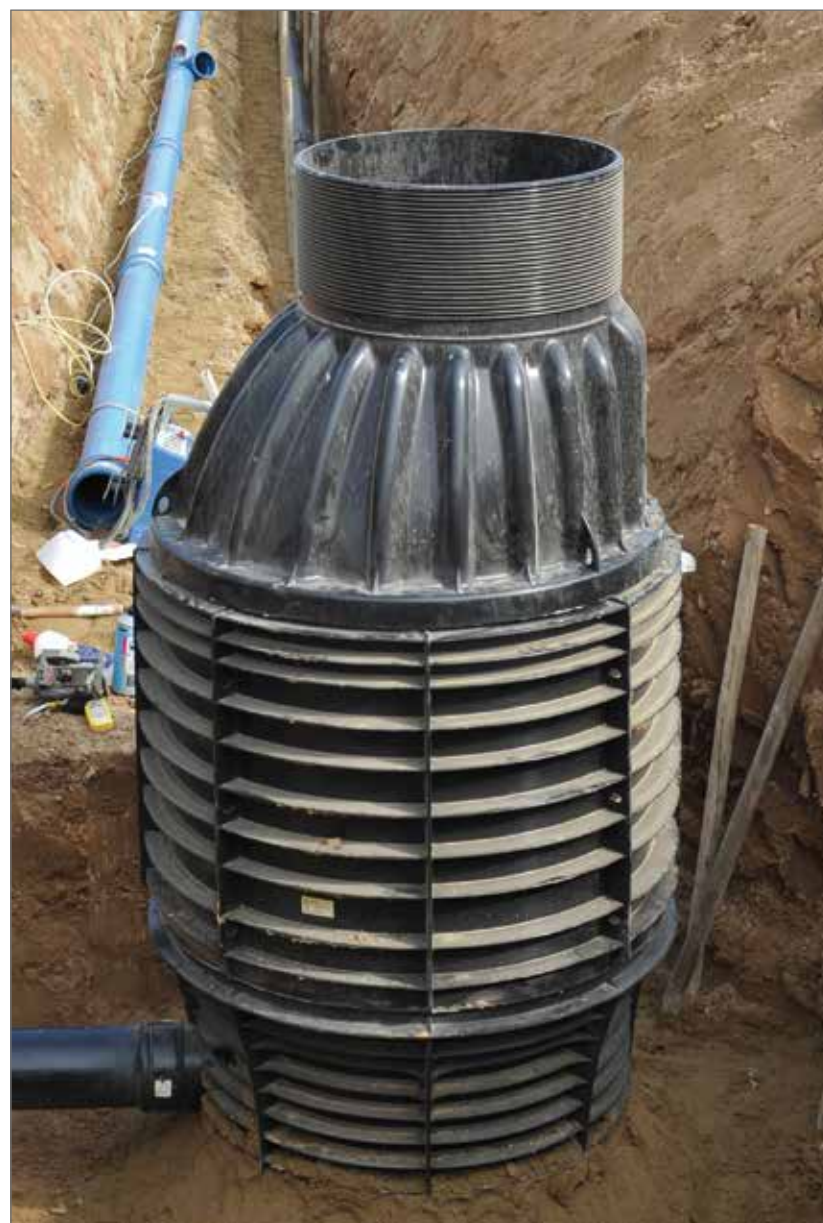


Seamless bends



3-sided element seal (Triple-Safety-Seal) for connecting the chamber elements

- already over 2 million chamber elements sold
- more than 25 years of experience in developing plastic chambers
- chemical-resistant chambers, also suitable for industrial wastewater
- certified buoyancy protection
- seamless bends ensure hydraulically optimized channels
- no segmentation
- all catalogue products are in stock to ensure short delivery times



Welding with electrofusion couplers with PE-pipes according to EN 12666.



PVC-pipes according to EN 1401 and/or PP-pipes according to EN 1852 can be connected directly.



Pipes made from other materials (e.g. clay or corrugated pipes), are connected using standard adapters.



Pipe connection in the chamber wall, no problem with ROMOLD seals, or saddle.



Concrete or plastic distribution rings for commercial covers:
up to Class D
EN 124



Cone:
eccentric DN 625
climbing steps acc. to EN 13101
and/or EN 14396



Element seal:
Triple-Safety-Seal
EN 681-1, EN ISO 13259, EN 1610



Ring:
in different heights
climbing steps acc. to EN 13101
and/or EN 14396



Element seal:
Triple-Safety-Seal
EN 681-1, EN ISO 13259, EN 1610



Base:
industrially produced
bases in different configurations
EN 13598-2 and DIN EN 476

The principle of the ROMOLD system chamber acc. to EN 13598-2 and EN 476

Pipe seals:
EN 681-1, EN ISO 13259, EN 1610

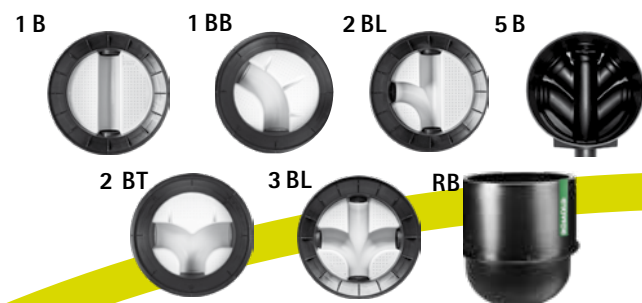
ROMOLD CHAMBER SYSTEMS

AN OVERVIEW

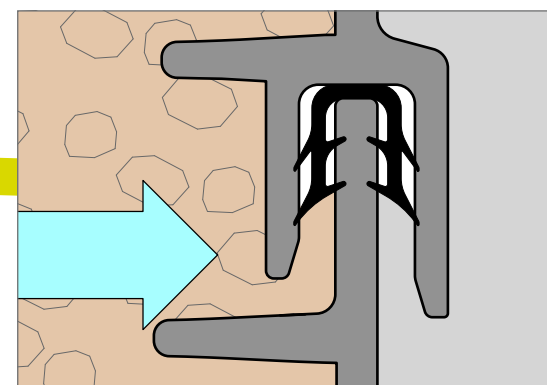
DIAMETER 500 TO 1250

EN 13598-2
Conformity guaranteed

ALL CHAMBERS
CLASS D
DRIVABLE



A variety of channels offer the best solutions for every inlet and outlet



3-sided element seal (Triple-Safety-Seal) The only chamber element seal that seals inwards and outwards.

DID YOU KNOW:

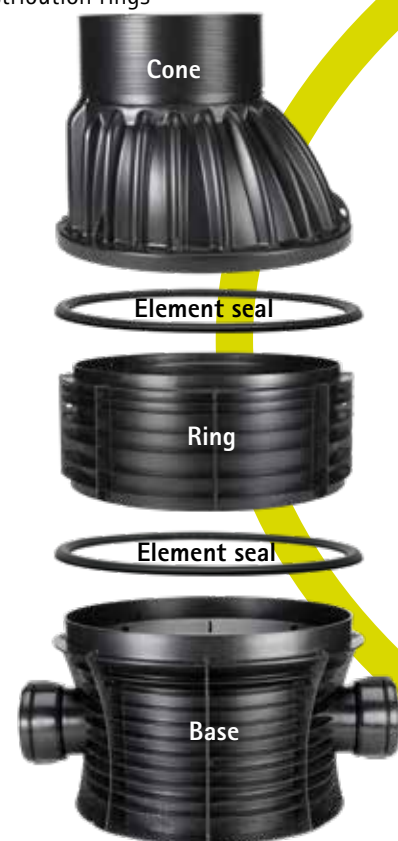
From the moment that a norm (EN/DIN) takes effect, the norm conformity substitutes a DIBt certification.



Low component weight with load weight category 4

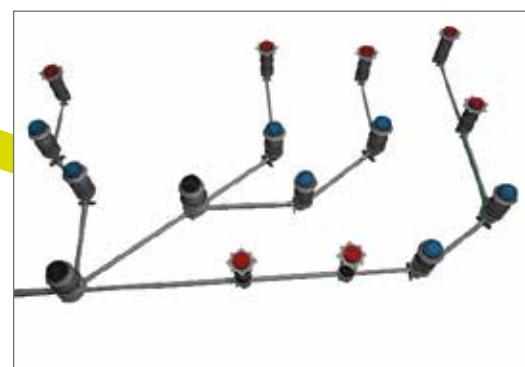
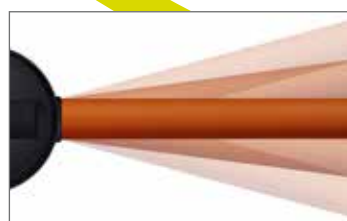


Concrete or plastic distribution rings



The principle of the ROMOLD system chamber in accordance with EN 13598-2 and EN 476

Optimised sewage network, the same functional capacity and maintenance possibilities as traditional sewage networks
black: 2 x DN 1000 (access chamber)
blue: 7 x DN 800 (manhole)
red: 7 x DN 625 (inspection chamber)



Chamber cone can be shortened in cm increments



Welding with electrofusion couplers with PE-pipes according to EN 12666.



PVC-pipes according to EN 1401 and/or pp-pipes according to EN 1852 can be connected directly.



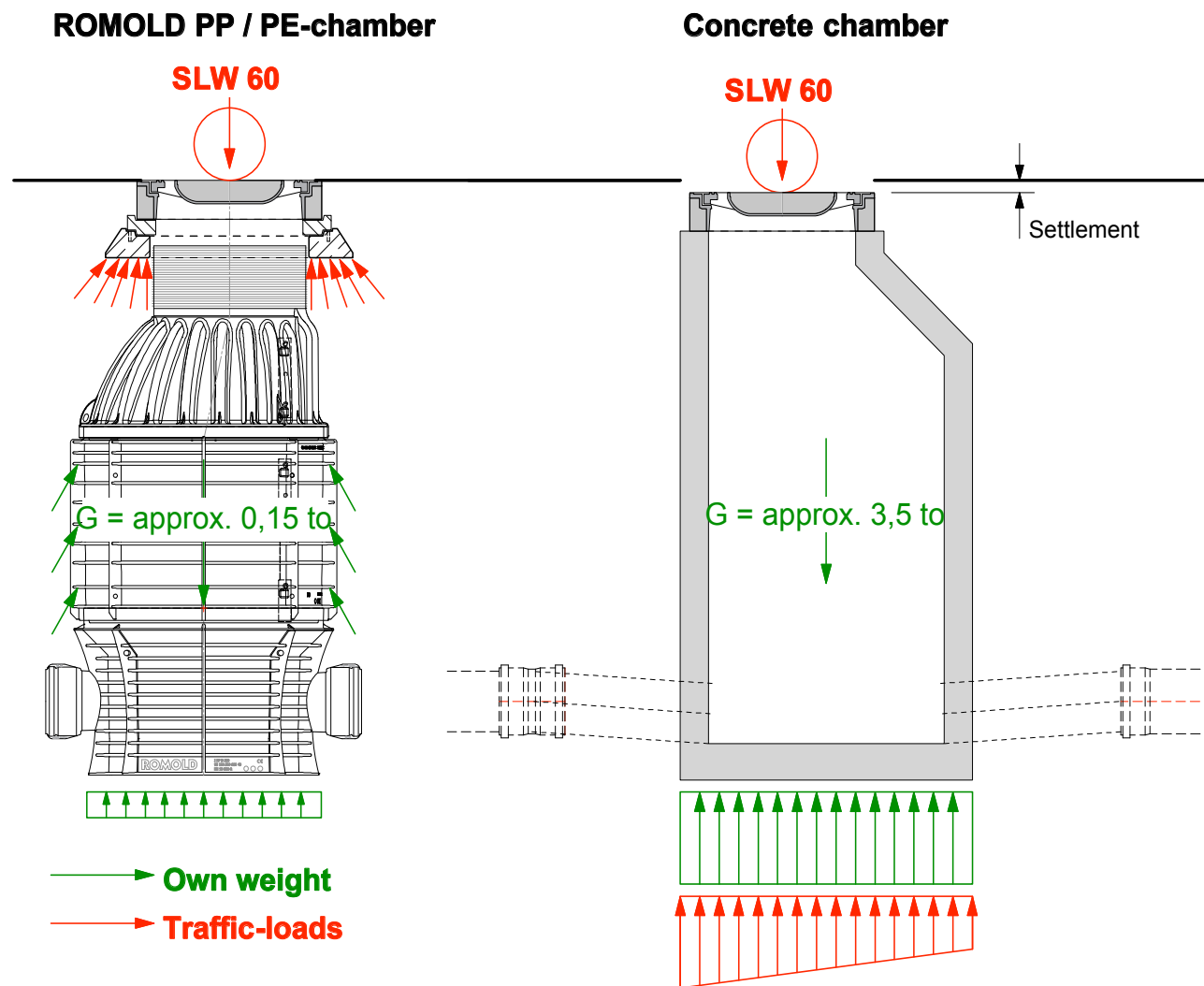
Pipes made from other materials (e.g. clay or corrugated pipes), are connected using standard adapters.



Pipe connection in the chamber wall is no problem with ROMOLD seals / connection saddles.

CHAMBER COVERS

EASY TO ASSEMBLE AND RESISTANT TO SETTLEMENTS



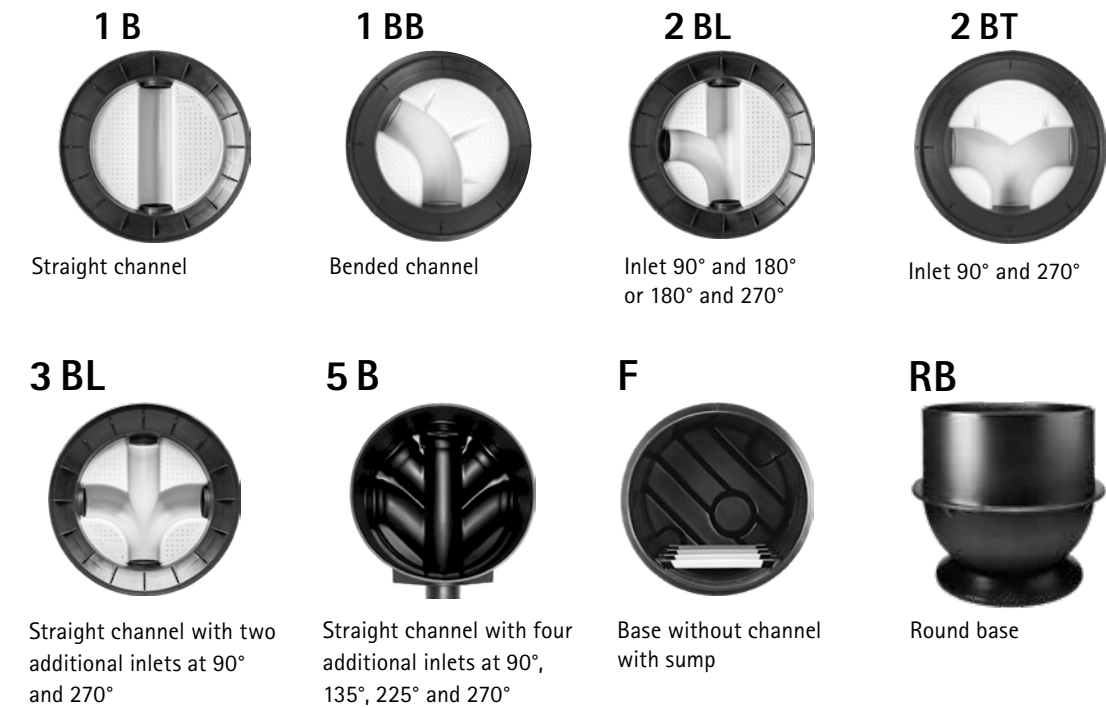
WHAT YOU NEED TO KNOW

ROMOLD chamber covers are specially designed for use with ROMOLD plastic chambers and guarantee the fastest possible assembly and a displacement-free position of the cover.

Class A 15 and B 125: Assembled directly onto the system chamber part using a ROMOLD frame (DN 500, DN 625 und DN 800).

Class D 400: Assembled using a ROMOLD cover with a supporting flange for chambers DN 500, DN 625 and DN 800 or at all diameters with a concrete support ring (BARD) indirectly into the road structure. All commercial self-level systems are also compatible with ROMOLD chambers. This means that damage to the cover and frame is excluded.

INNOVATIONS FOR PUBLIC SEWER LINES



- optimised stability
- height adjustment to the centimeter
- injection moulding: solid wall, 100 % virgin material without foam content
- light grey, corrosion free and anti slippery steps
- improved rib spacing = more security against uplift forces
- unique and well-proven triple-safety-seal
- light grey anti-slip berm
- version I PP: flexible sockets on in- and outlet +/- 7,5°
- hydraulically optimised channel: improved flow characteristic
- light-coloured inliner
- flat base

MANHOLES DN 1000

FOR SOCKET ENDED PIPE SYSTEMS



BENEFITS OF THE ROMOLD MANHOLE SYSTEM DN 1000

According to the mentioned characteristics plastic manholes made of PP or PE are the ideal alternative to concrete manholes.

ROMOLD DN 1000 Manhole. THE ORIGINAL.



PE-bases for welded pipe systems are available



Ring: Height 25 cm, 50 cm, 75 cm and 100 cm

MANHOLES DN 800

FOR SOCKET ENDED PIPE SYSTEMS



System base



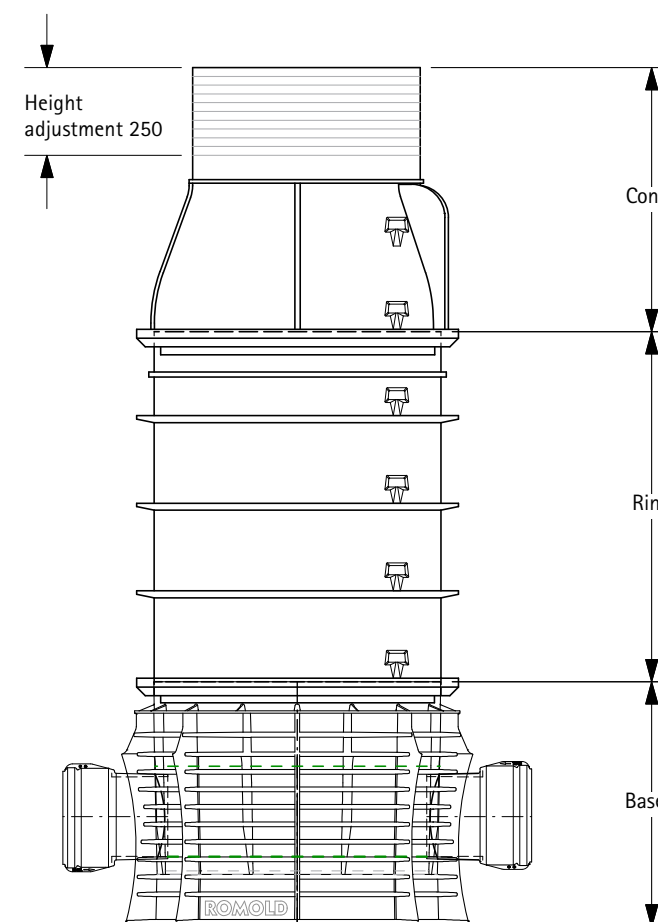
Cone



Rings



Elastomer lip seal „Triple-Safety-Seal“



BENEFITS OF THE ROMOLD MANHOLE SYSTEM DN 800

- space saving, ideal for inner city areas
- possibility to enter for staff
- cost-favorable purchase and maintenance
- ideal connection between control chamber and manhole
- high quality chamber system
- full possibility of controlling and cleaning

ROMOLD DN 800 Manhole. THE ORIGINAL.



PE-bases for welded pipe systems are available



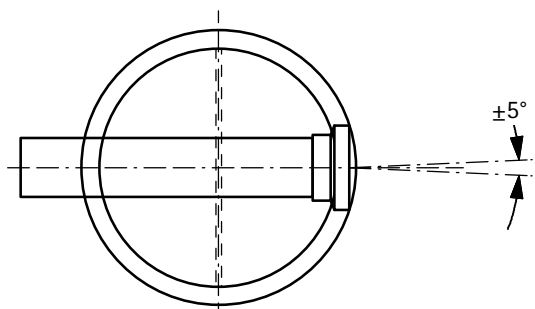
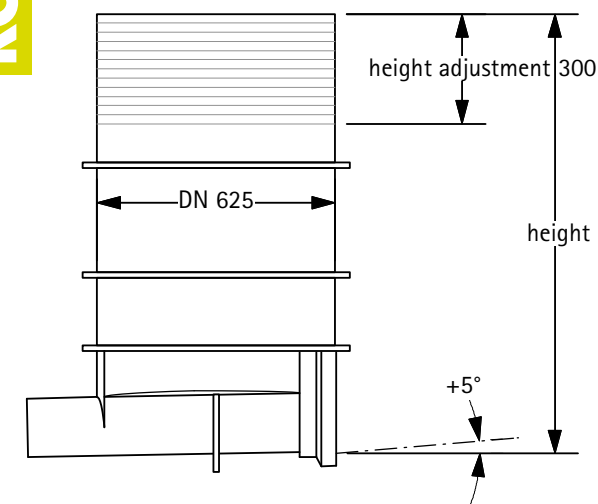
For latest information on this topic, visit www.romold.de, menu products, submenu supply-/dischargesystems, chambers DN 1000



For latest information on this topic, visit www.romold.de, menu products, submenu supply-/dischargesystems, chambers DN 800

CHAMBERS DN 625

FOR SOCKET ENDED AND WELDED PIPE SYSTEMS



Rings



Elastomer lip seal „Triple-Safety-Seal“



System chamber



1 B



Straight channel

5 B



Straight channel with four additional inlets 90°, 135°, 225° and 270° with bed drop

F



Base without channel

BENEFITS OF THE ROMOLD CHAMBER SYSTEM DN 625

- channel DN 150/200
- available as version 5B (with 4 additional inlets)
- space saving, ideal for inner city areas
- cost-favorable in purchase and maintenance
- ideal as a control chamber
- high quality chamber system
- full possibility of controlling and cleaning



For latest information on this topic, visit www.romold.de, menu products, submenu supply-/dischargesystems, chambers DN 625

CHAMBERS DN 500

FOR SOCKET ENDED AND WELDED PIPE SYSTEMS

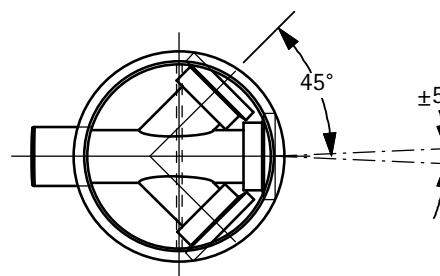
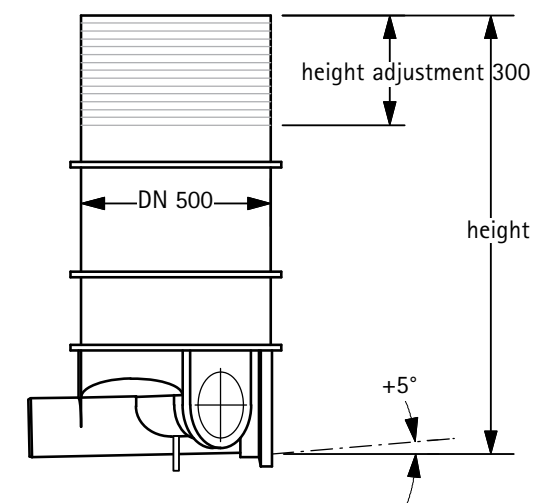


System chamber



Rings

Elastomer lip seal „Triple-Safety-Seal“



3 B



Straight channel with 2 additional inlets 45° right and left.

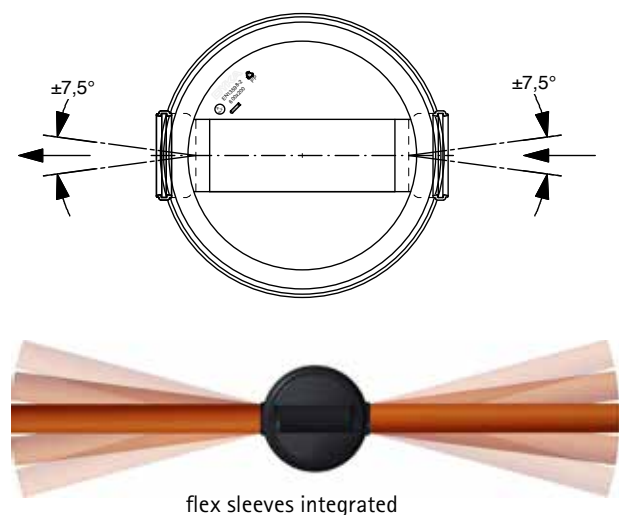
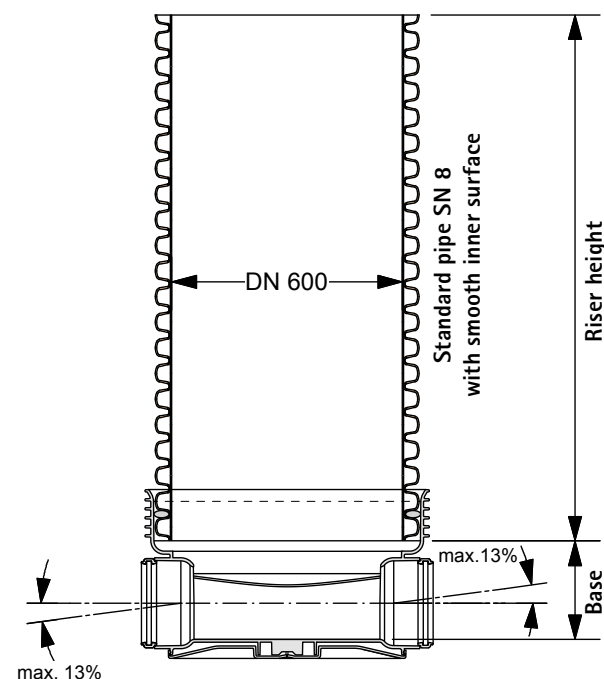
BENEFITS OF THE ROMOLD CHAMBER SYSTEM DN 500

- ideal as a domestic inspection chamber
- available in version 3B (with 2 additional inlets)
- space-saving
- cost-favorable purchase and maintenance
- high quality chamber system
- full possibility of controlling and cleaning



For latest information on this topic, visit www.romold.de, menu products, submenu supply-/dischargesystems, chambers DN 500

PP DN 600 SEWER CHAMBER FOR SOCKET-ENDED PIPES

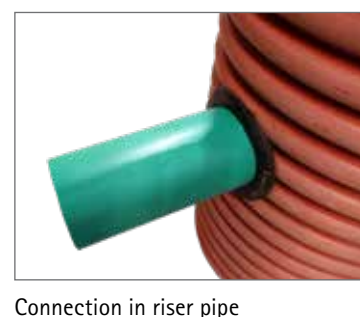


BENEFITS OF THE ROMOLD CHAMBER SYSTEM DN 600:

- fitted with integrated flexible socket-ends for all inlets and outlets as standard
- with SN 8 riser with smooth inner surface pipe as standard
- class D 400 as standard
- suitable for up to 5 m groundwater level as standard



BASE, RISER PIPE AND TELESCOPIC ADAPTER



Connection in riser pipe



For the latest information on this topic, visit www.romold.de, Products menu, Discharge systems sub-menu, chambers DN 600

1 B



Straight channel

1 BB



Angled channel

2 BL



Inlets 90° and 180° / 180° and 270°

2 BT



Inlets 90° and 270°

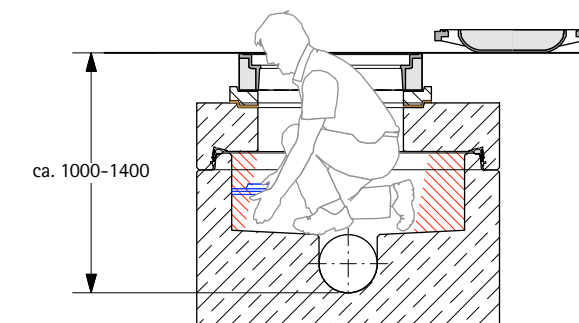
3 BL



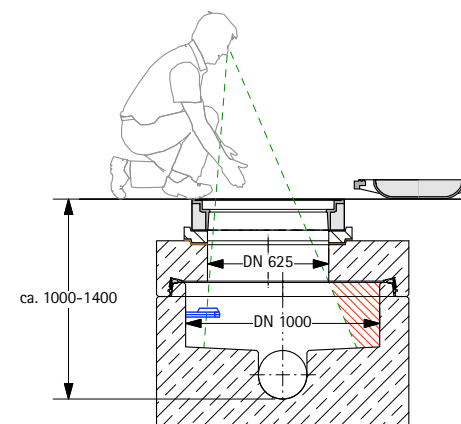
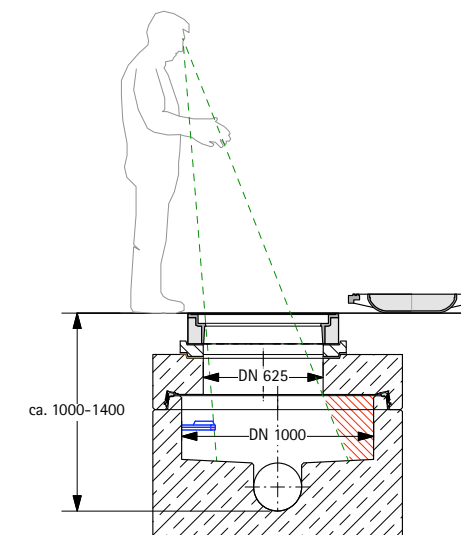
Straight channel, with two additional inlets 90° and 270°

DOES DN 1000 UP TO A HEIGHT OF 140 CM REALLY MAKE SENSE?

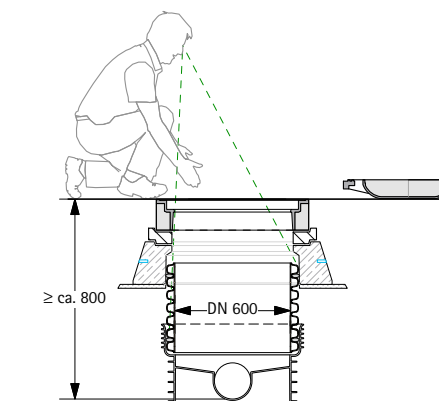
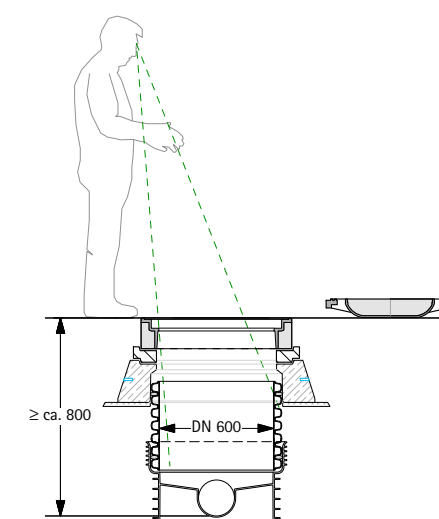
No, because blind spots make inspection impossible. Therefore you can save money and make use of the alternative from ROMOLD. Therefore you can save money and make use of the alternative from ROMOLD..



DN 1000: LIMITED INSPECTIONS



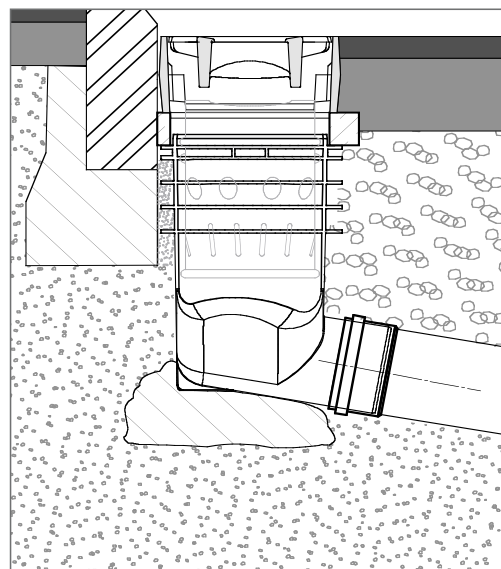
ROMOLD DN 600: COMPLETE INSPECTION



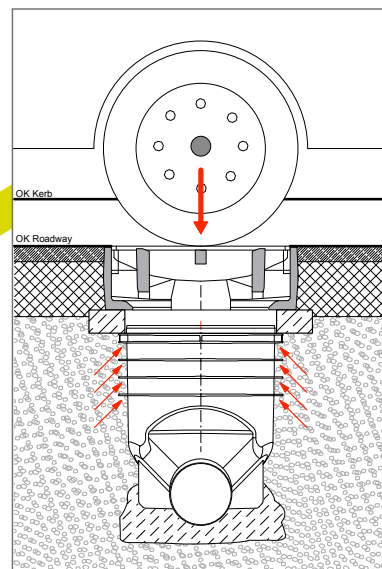
ROMOLD ROAD GULLIES – AN OVERVIEW

TECHNICAL ADVANTAGES

only with the original:
no concrete backfilling of ribs



up to class D 400:
integrated load distribution,
i.e. settlement-free

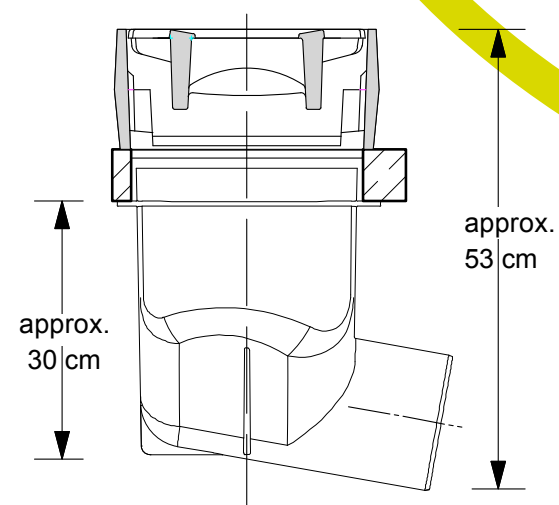


- single piece unit
- integrated outlet spigot
- chemical resistant
- de-icing salt resistant
- for socket ended pipe systems
- for welded pipe system
- settlement-free

all ROMOLD
road gullies
can be drilled



all ROMOLD
road gullies
with height adjustment



- light weighted
- easy handling
- no lifting device needed
- quick installation

- suitable for all commercial load distribution rings
- commercial grate
- suitable for self-level coverse



ROMOLD ROAD GULLIES

WIDE PORTFOLIO OF PRODUCTS COMBINED WITH EXPERTISE



ROAD GULLY:
STANDARD



ROAD GULLY:
LONGITUDINAL
DRAINAGE



ROAD GULLY:
WET SLUDGE TRAP



ROAD GULLY:
STENCH TRAP



REMOVABLE ADAPTER

for GRT and GST
including seal

GRT UE
45.50.30/13

500 x 300 mm
Height: 13 cm

GRT U
45.50.50/13

500 x 500 mm
Height: 13 cm



EXTENSION FOR ROAD GULLIES

from Typ GRT and GST
incl. seal.

GRT E 40/55

Height 55 cm,
Shorting dimension
45 cm



PLASTIC LOAD DISTRIBUTION RING

from recycling material for road gullies. Measure-
ment analog to DIN 4052-3, Typ 10a or 10b, height
approx. 60 mm

PARD 50.50/06

with inlet grate 500 x 500, Weight approx. 13 kg

PARD 50.30/05

with inlet grate 300 x 500, Weight approx. 4,1 kg



PARD 50.30/12K

Plastic load distributi-
on ring for road gullies
with inlet grate 300 x
500, measurement ana-
log to DIN 4052-3, Typ
10b, with cross slope
12 % for the installati-
on in the spiky gully or
pendulum gully.

Height
approx. 80/120 mm,
Weight approx. 9 kg



GRT ODOUR BLOCKER

Odour stop retrofit up-
grade available for GRT
wet sludge traps.

More than 250.000 gullies already installed



ROMOLD PRESSURE DRAINAGE – AN OVERVIEW

EVERYTHING FROM A SINGLE SOURCE

ALL CHAMBERS
SUITABLE UP TO CLASS D
TRAFFIC LOADS



ROMOLD
domestic chamber
DN 500 to DN 1000



ROMOLD
chamber
DN 625 to DN 1000

ROMOLD
Activ-Filter*



ROMOLD
pump stations
DN 800 to DN 3600

ROMOLD
control panel



ROMOLD
compressor station



ROMOLD
air valve chambers
DN 800 to DN 1250



ROMOLD
flowmeter chamber (MID)



ROMOLD
pressure pipe end chamber



Activ-Filter
by ROMOLD



YOUR BENEFIT:

- compatible with all manufacturers
- a planning department for your support
- can be combined with own brands
- delivered ready for on-site connection
- more space in the chamber thanks to excentric pipeline (see page XVIII in introduction)

PUMP MANHOLES RPC 80 DN 800

DISCHARGE FOR SINGLE-FAMILY HOUSES

As a sample
Please ask for more

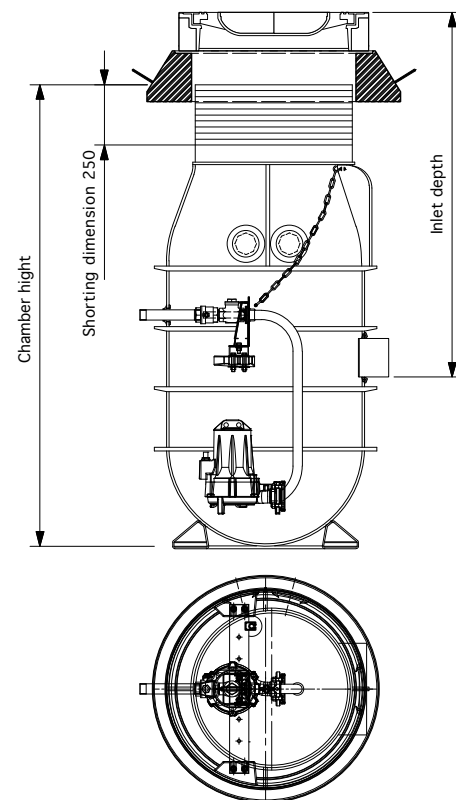
WHAT YOU NEED TO KNOW

Up to class D traffic loads, one-piece, flexible in connection, optionally with extension

Other pump manholes for family houses and business are at ROMOLDS available. Please ask us for more.



For latest information on this topic, visit www.romold.de, menu products, submenu discharge systems



PE MANHOLES WITH AIR VALVES

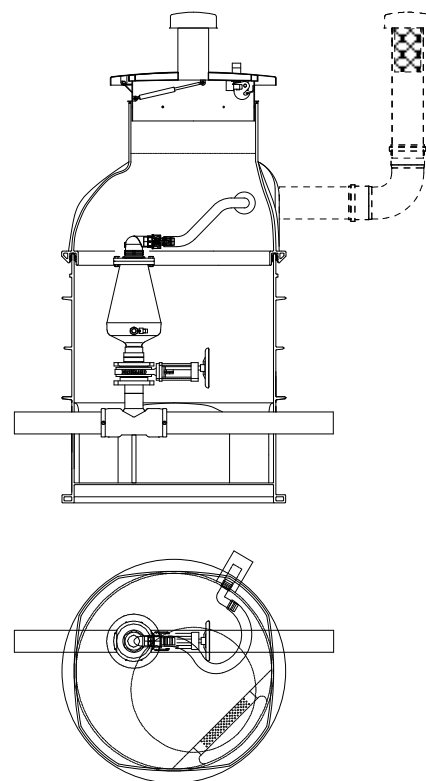
EXHAUST REGULATION IN PRESSURE PIPES

WHAT YOU NEED TO KNOW

Anti-lift, up to class D traffic loads, sealed ROMOLD pre-fabricated manholes in variable heights with ready-to-operate, integrated venting and exhaust valve (BEV). The ROMOLD BEV pre-fabricated manhole, with its ease of handling, simplifies installation of a venting and exhaust valve into the pressure pipe, saving time and costs.



For latest information on this topic, visit www.romold.de, menu products, submenu pressure drainage



ROMOLD ACTIV-FILTER

AGAINST BAD ODOURS FROM SEWAGE

The easy to install filter unit fits into any standard chamber with cone opening DN 625. For sewer manholes with normal H_2S levels, a lifetime of up to five years can be expected for the *Activ-carbon*.

Filter system consisting of:

- Filter housing (incl. water drainage)
- Activ-carbon in a replaceable bag
- assembling brackets
- inflatable tubes for tight connection to the opening
- Installation instructions
- Dimensions: 59.5–64.5 x 22 cm (ø x H)

All components made of corrosion-resistant materials (PE, stainless steel, etc.).

The design of the ROMOLD *Activ* filter for manholes and for pressure line chambers is identical. The distinction is in the area of application and this varies the amount of activated carbon.

The low diffusion resistance ensures the air flow through the carbon and concrete shafts are not exposed to any additional H_2S loading.

The secret:
INFLATABLE
SEAL SYSTEM



For latest information on this topic, visit www.romold.de, menu products, submenu Active-filter

ROMOLD MANHOLES FOR WATER SUPPLY

EVERYTHING FROM A SINGLE SOURCE

WHAT YOU NEED TO KNOW

ROMOLD also offers solutions for special applications: Armature manholes, pressurepipeline-draining chambers, inspection- and cleaning manholes for use not only in waste water systems but also in water supply systems. Anti-lift, accessible (through class D), sealed ROMOLD pre-fabricated manholes in variable heights with ready-to-operate, integrated pressure pipelines and armatures to meet the operator's requirements. The technical designer and the operator work together to determine what equipment is required, and put together design documents along with detailed contents for the tender. Pipe fittings and armatures comply with the applicable standards and specifications. The ROMOLD pre-fabricated manhole, with its ease of handling, simplifies installation in pipelines in a cost-effective and time-effective manner.



Water meter chamber with integrated installation fittings



For latest information on this topic, visit www.romold.de, menu products, submenu supply systems, water meter chambers

OVERVIEW – ROMOLD CABLE CHAMBERS

UP-TO-DATE AND FORWARD-LOOKING



LOW WEIGHT

Fast manual assembly, without lifting equipment

WATERTIGHT AND SAND-PROOF

The right system for all requirements

COMPATIBILITY

Trouble-free connection to all standard pipe and micro-pipe systems

FLEXIBILITY

adaptable to local conditions

DURABILITY

A 100 year lifespan is realistic

ECONOMY

Investment into the future with clear overall advantages:

- fast, reliable, neutral and builder-oriented planning
- rapid delivery, fast installation and assembly
- lightweight, without lifting equipment (saving on human resources)
- Maximum flexibility during installation (insertion openings, overbuilding capability)
- optimal operational reliability



For latest information on this topic, visit www.romold.de, menu products, submenu electric & telecommunications



Fachverband Fernmeldebau e.V.

ROMOLD is a member of the Union „Fachverband Fernmeldebau e.V.“, the industrial union of leading companies for cable construction and communication technology.



WITHOUT DOUBT

The usage of plastics is the perfect alternative to traditional concrete chambers due to the durability of the material and its many advantages such as absolute leak tightness, high material quality and cost effectiveness. The chambers can be equipped with class D covers.

PE/PP cable chambers are used especially for electrical and fiber optic cables in the area of municipal lighting, signal systems and telecommunications. They allow a quick and safe installation, a simple integration of cable conduits and an absolutely leak-proof design if needed.

POLYETHYLENE – POLYPROPYLENE

The environmentally friendly material fulfills all current standards and regarding its handling optimally meets the needs of users.

ROMOLD uses 100 % recyclable Polyethylene and Polypropylene which withstand chemical attacks, mechanical stress and abrasion over a long period of time.

Cable chamber flammability is normal (construction material class B2 in accordance with DIN 4102-1)

FLEXIBLE SOLUTIONS FOR ALL

ROMOLD cable chambers provide a guaranteed solution even for individual requirements. Custom-made design is available on demand at any time.

The worldwide largest stock for plastic chambers ensures short delivery times



CABLE CHAMBERS
OVERVIEW PRODUCT PROGRAMME

ROM-BOX

RECTANGULAR,
MODULAR,
SAND-PROOF
LOAD UP TO CLASS D 400
VARIOUS DIMENSIONS



- 1) Heights according to Product table or by agreement
- 2) Side strips of roads and parking lots, approved for all kinds of vehicles. Vehicles with single axle – axle load ≤ 192 kN and wheel contact surface min. 0.4 m x 0.4 m. For areas subject to greater loads, a “roll in” cover (Selflevel® System) is required.
- 3) For all rectangular, commercially available chamber covers
- 4) Exact clear dimension depends on the chamber cover

ROM-Box Typ	Clear dimensions w x l x d max ¹⁾ mm	ROMOLD chamber cover Steel frame / Spherical cast cover			ROMOLD chamber cover Steel frame / Steel and concrete cover	
		Cl. B 125 EN 124	Cl. D 400 EN 124	Lid quantity	Cl. B 125 EN 124	CL. D 400 ²⁾ EN 124
25/55	250 x 550 x t					
30/30	300 x 300 x t	X	X	1	X	X
40/40	400 x 400 x t	X	X	1	X	X
40/90	400 x 900 x t	X	X	2	X	X
40/115	400 x 1150 x t	X	X	2	X	X
40/139	400 x 1390 x t	X	X	3	X	X
57/42	570 x 420 x t	X	X	1	X	X
57/92	570 x 920 x t	X	X	2	X	X
57/115	570 x 1150 x t	X	X	2	X	X
57/142	570 x 1420 x t	X	X	3	X	X
75/75	715 x 715 x t	X	X	2	X	X
75/115	755 x 1125 x t	X	X	3	X	X
75/155	755 x 1515 x t	X	X	4	X	X
40/65 (ST)	400 x 650 x t					
40/80 (ST)	400 x 800 x t					
70/70 SL (ST) ⁴⁾	750 x 750 x t					
70/140 SL (ST) ⁴⁾	750 x 1500 x t					

ROM-Box Typ	Clear dimensions w x l x d max mm ¹⁾	ROMOLD chamber cover ³⁾ Steel frame / Steel lid, paving possible			GAV Selflevel®	Chamber covers commercially available ³⁾		Telescopic steel U- profile	Height adjust- ment max. 5 cm
		Cl. B 125 EN 124	Cl. D 400 ²⁾ EN 124	Cover piece	cl. D 400 EN 124	Kl. B 125 EN 124	Cl. D 400 ²⁾ EN 124		
25/55	250 x 550 x t					X			
30/30	300 x 300 x t	X	X	1					X
40/40	400 x 400 x t	X	X	1					X
40/90	400 x 900 x t	X	X	1					X
40/115	400 x 1150 x t	X	X	2				X	X
40/139	400 x 1390 x t	X	X	2				X	X
57/42	570 x 420 x t	X	X	1					X
57/92	570 x 920 x t	X	X	1				X	X
57/115	570 x 1150 x t	X	X	2					X
57/142	570 x 1420 x t	X	X	2				X	X
75/75	715 x 715 x t	X	X	1					X
75/115	755 x 1125 x t	X	X	2				X	X
75/155	755 x 1515 x t	X	X	3				X	X
40/65 (ST)	400 x 650 x t					X	X		
40/80 (ST)	400 x 800 x t					X	X		
70/70 SL (ST) ⁴⁾	750 x 750 x t				X	X	X		
70/140 SL (ST) ⁴⁾	750 x 1500 x t				X	X	X	X	

watertight cable chambers

KS / FCE
ROUND
MONOLITHIC
WATERTIGHT
LOADABLE UP TO CLASS D 400
VARIOUS DIMENSIONS



KS 63/80
DN 625



KS 80.63/60
DN 800



FCE 80.63/115 FIBS BS
DN 800



KS 100.63/70
DN 1000



KS 100.63/110 SBL
DN 1000

ROM-BOX OVERVIEW

TECHNICAL VIRTUES



can be paved

plastic cover

T-bars

multi-part cover

can be concrete-filled



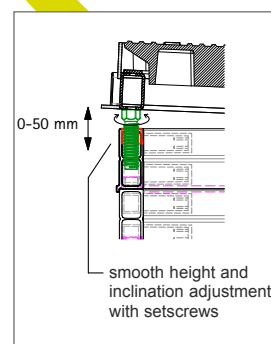
head frame (Z-profile)
for commercial cover



lockable



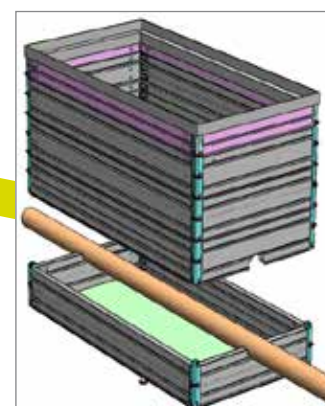
save



adjustable height



cup saw, plug,
lift/locking key



can be overbuilt



can be drilled on site in acc. with
instruction



angled pipe joint



perpendicular pipe joint



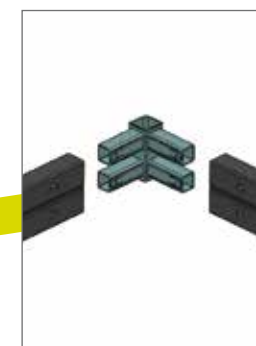
U-frame



ladder



special covers



vertically separable, profile with corner connecting elements, drainage opening in base plate

ROM-BOX

RECTANGULAR, WATERTIGHT, LOAD UP TO CLASS D 400



practical accessories
(socket holder)



sealing cap for sand-tight
pipe connection

CHARACTERISTICS IN A NUTSHELL

- flexible height
- flexible length and width
(for all commercial covers)
- flexible pipe connections (position, diameter)
- Class B 125
- Class D 400 static
- Class D 400 with Selflevel Cover
- continuous height and declination adjustment
- divisible without any equipment
- space-saving: only 40 to 60 mm wall thickness

WHAT YOU NEED TO KNOW

The ROM-Box from ROMOLD is the ideal alternative to traditional concrete cable chambers and plastic chambers. It offers the benefits of stability (class D 400) and the usual dimensions of concrete systems with the flexibility and fast installation of plastic systems.

The ROM-Box is deployed as a cable drawing chamber, spigot and cable distribution chamber.

FIRE BEHAVIOUR:

- DIBt certification no. Z-10.9-539: cable chamber flammability is normal (construction material class B2 in accordance with DIN 4102-1)
- technical specifications of Deutschen Telekom AG, TS 0347/96 and TS 0287/96: Fire behaviour certificate successfully passed



Lifting equipment



Continuously variable
height adjustment by
using 4 set screws
levelling



Head frame for the usage of commercially
available cable chamber covers

CHARACTERISTICS

MATERIAL:

- Polypropylene (PP), 100 % recycable
- excellent elasticity
- resistant against substances containing mineral oil and against influences from the ground
- resistant to high installation temperatures of asphalt and normal flammability (construction material class B2, DIN 4102-1)

INSTALLATION:

- Adaptable to any cabling and routing
- in complex routes and hubs, particularly in urban areas
- easy to transport
- no lifting equipment is needed

DIVISIBLE AND FOR OVERBUILDING:

- quickly and easily divisible on site for existing cable routes (cables, cable conduits or lines) without tools, due to detachable clip connection

SPACE-SAVING:

- optimised wall thickness of max. 60 mm
- requires minimal space at maximum dimensions – a real advantage in urban areas

JOINTING:

- comes with a pre-assembled gland hole (cable, cable conduit or line) of a required nominal diameter and position, or can be quickly and easily produced on site
- nipples, or other adoption elements for all cables and micro-cables and also holders for cables and sleeves are available

VARIABLE:

- height, length and width
- height of the elements between 10 and 20 cm
- accurate alignment to the top area surface by screw levelling system
- adjustable for all commercial rectangular chambers without additional costs

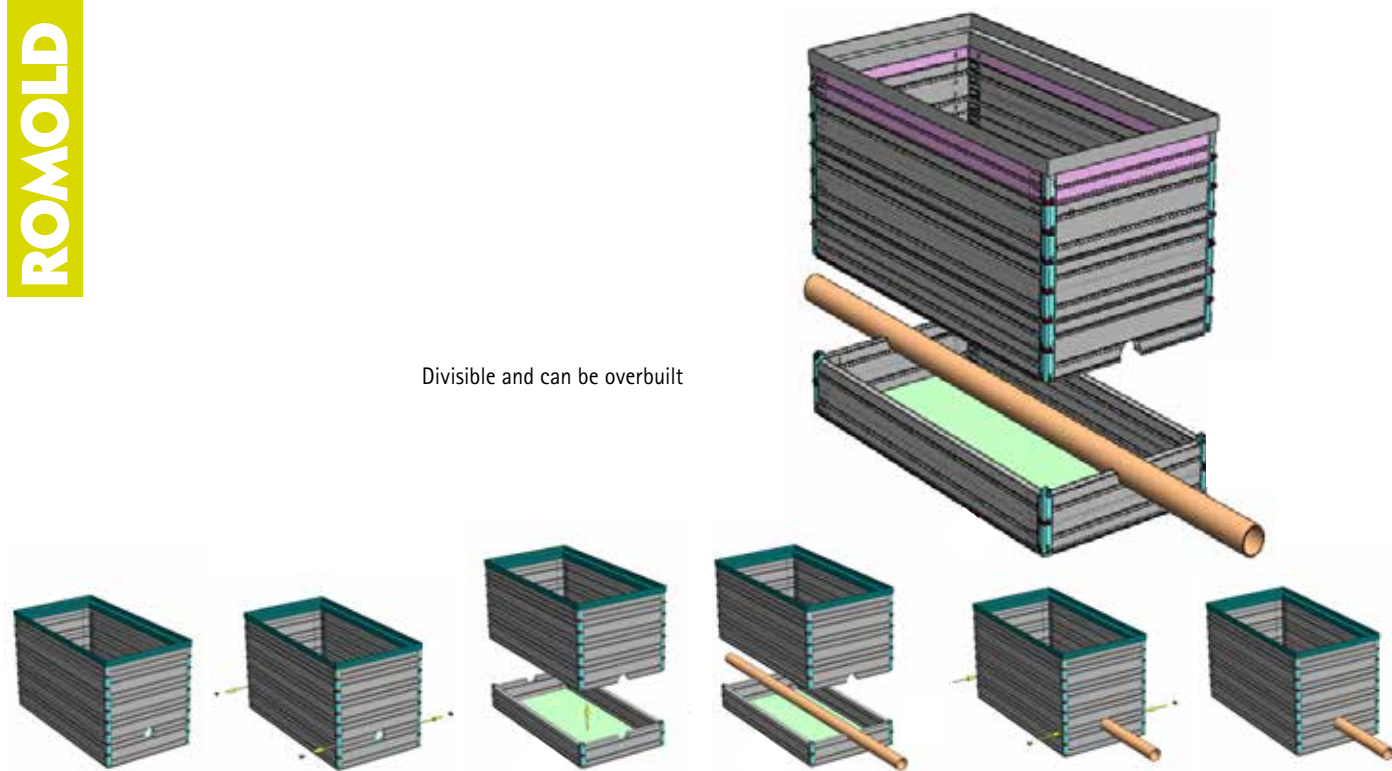
SAFE:

- Ductile cast iron cover with structured surface – safely lockable
- noiseless support on elastomer in the hot-dip galvanized steel chamber cover
- chamber covers are filled with concrete or paveable – allowing the design adaptation of the surface.
- optimal reliability



For latest information on this topic, visit
www.romold.de, menu products, submenu
electric & telecommunications, ROM-Box

Divisible and can be overbuilt



SOLID:

- the ROMOLD chamber cover frame is secured against uplift
- additional security is provided by ROMOLD clip-system which fastens the wall elements at its corners
- connecting corner elements prevent horizontal movement of the frame elements

RECOGNIZABLE:

- the cover can be delivered with a pre-fitted company label or a custom label can be fitted by the client

PRACTICAL:

- pre-fabricated inner-lined chamber for easy installation of grout if using height-adjustment

COMPACTING:

- Excellent back-fill material compaction due to the smooth exterior surface of the chamber

LIGHTWEIGHT:

- quick assembly, can be installed by hand

QUICK:

- short delivery times, in sufficient quantities
- a quick construction progress can be ensured by the quick and easy installation

PRACTICAL APPROACH:

- with pre-assembled pipe connections DN 40 – DN 160 or adjustable on site
- modular installation
- divisible thanks to a newly developed clip-system
- can be installed over installed pipes
- continuously variable height and inclination adjustment

CHAMBER COVER:

- Class B 125 and D 400 static direct load incl. locking mechanism
- Class D 400 dynamic with the Selfleve!® System incl. locking mechanism

CABLE CHAMBERS

ROUND, WATERTIGHT, LOAD UP TO CLASS D 400



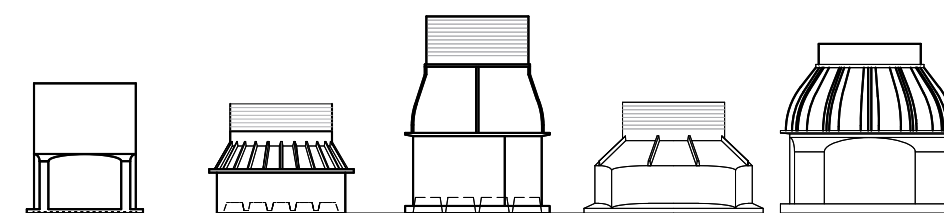
WHAT YOU NEED TO KNOW

The round cable chambers from ROMOLD are the permanent watertight solution for your cable network. They combine the stability (class D 400) and the watertightness with the flexibility of modern plastic systems.

Watertightness (0.5 bar), +/- 5° bendable pipe connections of plastic pipes are be done with Elastomer lip seal type IS (d 32 to d 200 mm). Connection is possible at any position. A permanent watertight cover is necessary for a watertight system.

No additional constructional measures are required for buoyancy prevention in case of ground water.

The cable chambers are used as cable drawing chambers, socket and cable junction chambers.



max. seals each side	KS 63/80	KS 80.63/44	FCE 80.63/115	KS 100.63/53	KS 100.63/110
IS 40, IS 50	9	2	2	> 10	> 10
IS 90	6	1	2	9	8
IS 110	4	-	2	5	6
IS 125	4	-	2	4	6
IS 160	2	-	1	3	4
IS 200	1	-	1	-	2



CHARACTERISTICS

MATERIAL:

- Polyethylene (PE), 100 % virgin material
- outstanding elasticity
- resistant against materials containing mineral oil and against ground influences
- resistant to high installation temperatures of asphalt

INSTALLATION:

- easy manual transportation
- no lifting equipment necessary

JOINTING:

- Inlet openings (cable, cable conduit and line) are available in the required nominal width and at the required positions from the factory, or can be implemented simply and quickly at the construction site
- matching sealing elements (watertight to 0.5 bar) available

SPACE REQUIREMENTS:

- optimised wall thicknesses minimise space requirements and maximise clear widths an absolute advantage for installation in restricted spaces

VARIABLE:

- diameter and height
- precise adjustment to surface by shortening the chamber neck using a standard saw suitable for wood



For latest information on this topic, visit www.romold.de, menu products, submenu electric & telecommunications, Cable chambers model KS/FCE

LOAD:

- in accordance with EN 124; class B 125, class D 400

FAST:

- short delivery times for sufficient parts
- fast and easy installation ensure rapid construction progress

CLIMBING STEPS:

- in DN 800 and DN 1000 chambers
- in accordance with EN 13101
- corrosion-resistant
- The climbing steps are 25 cm apart
- Safety due to a textured surface

ECONOMY

- fast, reliable, neutral and builder-oriented planning
- rapid delivery, fast installation and assembly
- lightweight, without lifting equipment (saving on human resources)
- Maximum flexibility during installation (insertion openings, overbuilding capability)
- optimal operational reliability



ROMOLD WATERTIGHT CABLE CHAMBERS

FLEXIBLE DESIGN



KS 63/80



KS 100.63/110 FIBS BL



FCE 80.63/115 FIBS BS



KS 80.63/60



KS 100.63/70

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