

When it comes
to chambers

ECONOMICAL SOLUTIONS WITH SYSTEM.
More efficient guaranteed.



WHEN IT COMES TO CHAMBERS – GO WITH ROMOLD! SOLUTIONS FOR ALL AREAS OF CHAMBER CONSTRUCTION

- Plant engineering
- Filter
- Electro- & Telecommunications
- Discharge systems
- Drainage systems

Information about other ROMOLD catalogues is provided below..

MORE FROM ROMOLD

SUPPLY-/DISCHARGESYSTEMS

CHAMBERS WITH AND WITHOUT CHANNELS

ROUND BOTTOM CHAMBERS

DRAINAGE CHAMBERS

ROAD GULLIES

WATER METER CHAMBERS

PLANT ENGINEERING

PUMP CHAMBERS

UNDERWATER PUMPS

CONTROLS & SWITCHING SYSTEMS

AFTER-BLOW STATIONS

FLOW-METER CHAMBERS

VENTING AND EXHAUST CHAMBERS

FLUSHING AND SCRAPING CHAMBERS

PRESSURE PIPE END CHAMBER

FILTER

FILTER FOR PUMP CHAMBERS

FILTER FOR WASTEWATER CHAMBERS

READ-AND-CLICK

This catalog is designed according to the READ-AND-CLICK principle. On many of the catalog pages you will find this symbol, if we would like to make a specific recommendation for a topic on our internet page.



www.romold.de

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ROMOLD CABLE CHAMBERS

PLANNING FOR THE FUTURE WITH PLASTIC



WITHOUT DOUBT

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

POLYETHYLENE

The environmentally friendly material fulfills all current standards and optimally complies with the wishes of processors with regard to its handling. ROMOLD uses 100% new material. Polyethylene withstands chemical attacks, mechanical stress and abrasion over the long term.



LOW WEIGHT

PART WEIGHT OF APPROX. 30-40 KG
QUICK INSTALLATION BY HAND.

100% WATERTIGHT

ALL PARTS ARE TESTED AGAINST
INTERNAL & EXTERNAL PRESSURE
(0.5 BAR).

LONGEVITY

A LIFECYCLE OF UP TO 100 YEARS
IS REALISTIC.

FLEXIBILITY

NO CRACKS AND BREAKS DUE
TO MOVEMENT.

COMPATIBILITY

DESIGNED TO BE CONNECTED TO
ALL CURRENT PIPE SYSTEMS.

OPERATING EFFICIENCY

INVESTMENT IN THE FUTURE
WITH CLEAR ADVANTAGES IN POINT
BALANCE.

FLEXIBLE SOLUTIONS FOR ALL

Almost all pipes can be integrated. ROMOLD cable chambers offer a solution for individual requirements as well. Special designs according to customer preference are possible at all times.



For latest information on this topic, visit
www.romold.de, menu system, submenu
technique

Largest PE-chamber parts warehouse in the world, guaranteed short delivery times.





TECHNOLOGY THAT SATISFIES ALL STANDARDS

ROMOLD QUALITY IN A NUTSHELL

PIPE JOINT

For PE pipes, welded or PE pipes with inlet pipe seal (IS), PVC pipes with IS, PE fiber optic cable conduits with IS and corrugated pipes. Standard in socket design for connecting of PE or PVC pipes according to **EN 50086-2-4** with ROMOLD inlet pipe seals according to **EN 1277**, **EN 681-1** and **DIN 4060**.

Simple connection of pipes of different diameters on site at any location. No restriction to pre-determined breaking points or fixed positions.

ROMOLD ELASTOMER LIP SEAL

Material: SBR for flexible integration of PVC and PE pipes according to **EN 50086-2-4**, permissible bending $\pm 5^\circ$. Tested for 0.5 bar internal and external pressure according to **DIN 4060** and **EN 1277**.



ANTILIFT

Even in case of accumulation of groundwater, no additional constructional measures are necessary to prevent uplift. The chamber construction must be backfilled in accordance with ROMOLD assembly and installation instructions (see pg. 33).

CONE OPENING

Opening DN 625 according to **EN 476** for all ROMOLD PE cable chambers.

HEIGHT ADJUSTMENT

PE cable chambers that can be shortened allow for precise height adjustment of the chamber construction accurate to a centimeter by reducing the height of the upper part of the chamber. This is implemented by using a saw that is suited for woodworking, e.g. a hand saw or a compass saw. There are marking rings arranged at a one-centimeter interval on the outside, allowing for an exact horizontal cut.

STEPS

According to **EN 13101**. The accessible ROMOLD chambers DN 800 and DN 1000 are equipped with stainless steel in the factory.

The strength durability complies with standard **EN 476**. The space between the first step and top edge of the chamber cover must be no more than 500 mm and the space between the other steps themselves is 250 mm.

Surefootedness is increased by using a profiled surface. If necessary, the steps may also be removed. Doing so should prevent unauthorized access to a sewer system with stringent safety requirements.

SEAL INSTALLATION

Use a conventional drill and the ROMOLD CS cup saw in the necessary diameter to make the hole in a matter of seconds. Deburr the hole, install seal, insert pipe and you're done.



For latest information on this topic, visit www.romold.de, menu system, submenu technique

OVERVIEW CABLE CHAMBERS

ROMOLD SYSTEMS FOR INSTALLING PIPE NETWORKS

Sand tight cable chambers



ROM-BOX

**RECTANGULAR,
MODULAR,
LOAD UP TO CLASS D 400
VARIOUS DIMENSIONS**

p.10

ROM-Box Model	Clear dimensions w x l x d max ¹⁾ mm	Chamber Cover ROMOLD		GAV Selflevel	Quantity lid units	U-profile Steel	Height adjustment 5 cm max.	Chamber cover - commercially available ²⁾	
		Class B 125 EN 124	Class D 400 (static) EN 124	Class D 400 (dynamic) EN 124				Class B 125 EN 124	Class D 400 EN 124
30 x 30	300 x 300 x 760	X	X		1		X		
40 x 40	405 x 405 x 760	X	X		1		X		
40 x 90	405 x 895 x 1160	X	X		2		X		
40 x 139	405 x 1385 x 1160	X	X		3	X	X		
57 x 42	419 x 569 x 1160	X	X		1		X		
57 x 92	569 x 921 x 1160	X	X		2	X	X		
57 x 142	569 x 1424 x 1160	X	X		3	X	X		
77 x 73	773 x 734 x 1160	X	X		2		X		
77 x 115	773 x 1145 x 1160	X	X		3	X	X		
77 x 156	773 x 1555 x 1160	X	X		4	X	X		
40 x 65 (ST)	450 x 700 x 1000							X	X
70 x 70 SL (ST)	755 x 755 x 1000			X				X	X
70 x 140 SL (ST)	755 x 1515 x 1000			X		X		X	X

1) Other depths by agreement

2) e.g. made of grey cast iron/steel or grey cast iron/steel with concrete filling

All chamber sizes are divisible at the butt joints for height adaptation and for building over existing route.

Insertion openings can be made at the factory and/or on-site by the customer according to installation instructions.

Watertight Cable Chambers



KS 63/80
DN 625

p.20



KS 80.63/44
DN 800

p.22



FC 80.63/115 SBS
DN 800

p.24



KS 100.63/53 LD
DN 1000

p.26



KS 100.63/110 SBL
DN 1000

p.28

QUALITY CHARACTERISTICS IN A NUTSHELL

**FLEXIBLE HEIGHT AND SIZE
(ALLOWS THE ASSEMBLY OF ALMOST EVERY COVER)**

**FLEXIBLE CONNECTION OF PIPES
(POSITION, DIAMETER)**

**APPLICATION AREA, CL. B, CL. D WITH STATIC LOAD,
CL. D DYNAMIC WITH LOAD**

**CONTINUOUSLY VARIABLE HEIGHT AND ADJUST-
MENT BY USING SET SCREWS LEVELLING**



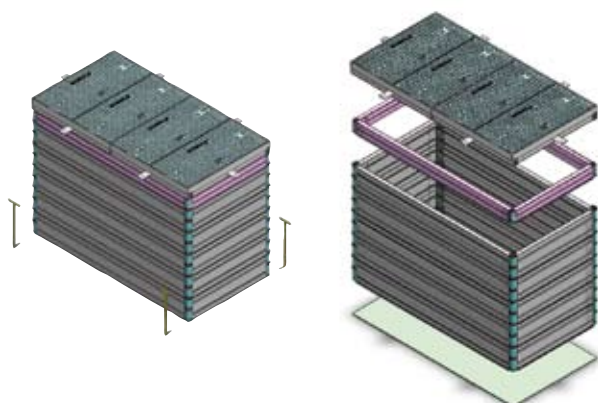
Practical accessories
(sleeve holder)



Plug for cable/pipe
connections

ROM-BOX

RECTANGULAR, MODULAR, MAX. CLASS D 400



WHAT YOU NEED TO KNOW

The ROM-Box from ROMOLD is the ideal alternative to traditional concrete cable chambers. It combines the stability (class D 400) and standard dimensions of concrete systems with the flexibility and the quick and easy installation options of plastic systems.

The ROM-Box is used as a cable drawing chamber and cable distribution chamber.

QUALITIES

Lightweight: Quick assembly, can be done by hand.

Modular system: Flexible sizes, for locating above cables that were previously installed.

Practicality: Pipe connections DN 40 – DN 160 come pre-assembled or can be made at the job site, can be separated because of a new clip system, continuous height- and inclination adjustment.

Chamber cover: Class B 125 and D 400 direct static load incl. locking mechanism. Class D 400 dynamic load via self-level system, inclination locking mechanism.



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



Lifting equipment



continuously variable height adjustment by using 4 set screws levelling

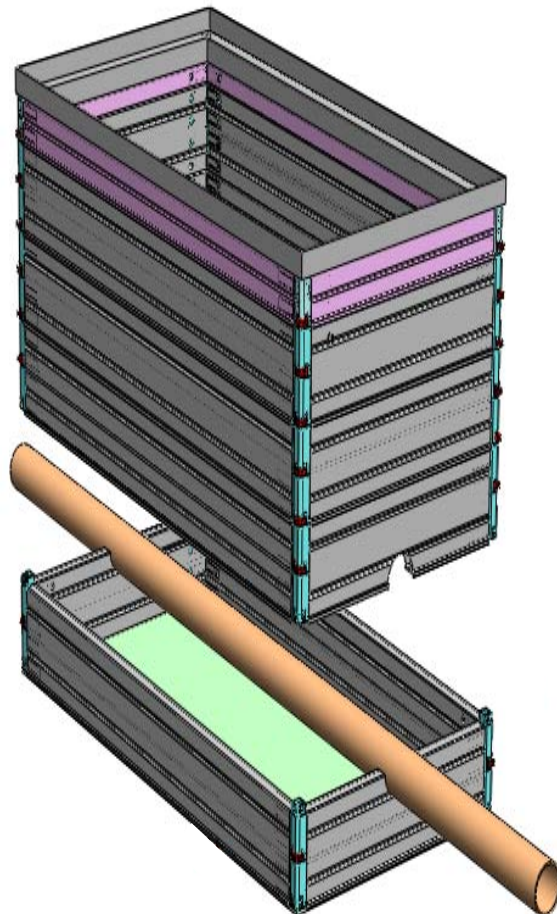



Head frame for the usage of commercially available cable chamber covers

EXAMPLE OF SPECIFICATIONS FOR TENDERS

Plastic cable chamber, Model ROM-Box 57/42, plastic cable chamber made of polypropylene, LW 569 x 419 mm, rectangular, made of 100% new material, double-walled, external dimensions: 649 x 499 mm, element installation heights: 100 mm and 200 mm, fixation of wall profiles below each other with a detachable clip connection on the corner elements, sand tight conduit connection by

means of PE caps to be adapted to the diameter of the pipe, chamber bottom made of plastic with seepage option for surface water penetration. To be installed onto 10 cm bed of gravel/sand in construction pit provided by the customer. Adaptation of height and inclination by means of adjustment screws in the topmost corner element. Cover, ductile cast iron with locking mechanism.



 For more detailed information on the installation please see the shipping documents or visit us on <http://www.romold.de>

ROM-BOX INCL. HEIGHT ADJUSTMENT

ROM-BOX 30/30

Height cm	Details	Weight kg	Article name
20	Basisbox incl. ABS bottom plate, LW 300 x 300 mm, external dimensions: 380 x 380 mm	7,5	Basisbox 300 300 200
10	Element extension, LW 300 x 300 mm, external dimensions: 380 x 380 mm	4,0	E 300 300 100
20	Element extension, LW 300 x 300 mm, external dimensions: 380 x 380 mm	7,0	E 300 300 200
0 - 5	Height adjustment for ROM-BOX 30/30	0,3	HA 300 300
11	Chamber cover Class D 400 as per EN 124, 300 x 300, ductile cast iron with locking mechanism	48,0	LED 30/30 GL

ROM-BOX 30/30, Total weight in kg, incl. cover and height adjustment

Height cm	Weight kg
71 - 76	69,8
81 - 86	73,8
91 - 96	76,8
101 - 106	80,8
111 - 116	83,8

ROM-BOX 40/40

Height cm	Details	Weight kg	Article name
20	Basisbox incl. ABS bottom plate, LW 405 x 405 mm, external dimensions: 485 x 485 mm	9,0	Basisbox 405 405 200
10	Element extension, LW 405 x 405 mm, external dimensions: 485 x 485 mm	5,0	E 405 405 100
20	Element extension, LW 405 x 405 mm, external dimensions: 485 x 485 mm	8,2	E 405 405 200
0 - 5	Height adjustment for ROM-BOX 40/40	0,3	HA 405 405
11	Chamber cover Class B 125 as per EN 124, 405 x 405, ductile cast iron with locking mechanism	39,0	LEB 40/40 GL
11	Chamber cover Class D 400 as per EN 124, 405 x 405, ductile cast iron with locking mechanism	52,0	LED 40/40 GL

ROM-BOX 40/40, Total weight in kg, incl. cover and height adjustment

Height cm	Weight kg / Class B	Weight kg / Class D
71 - 76	64,7	77,7
81 - 86	69,7	82,7
91 - 96	72,9	85,9
101 - 106	77,9	90,9
111 - 116	81,1	94,1

ROM-BOX 40/90

Height cm	Details	Weight kg	Article name
20	Basisbox incl. ABS bottom plate, LW 405 x 895 mm, external dimensions: 485 x 975 mm	13,0	Basisbox 405 895 200
10	Element extension, LW 405 x 405 mm, external dimensions: 485 x 485 mm,	6,6	E 405 895 100
20	Element extension, LW 405 x 405 mm, external dimensions: 485 x 485 mm	10,8	E 405 895 200
0 - 5	Height adjustment for ROM-BOX 30/30	0,7	HA 405 895
11	Chamber cover Class B 125 as per EN 124, 405 x 895, ductile cast iron with locking mechanism	80,0	LEB 40/90 GL
11	Chamber cover Class D 400 as per EN 124, 405 x 895, ductile cast iron with locking mechanism	115,0	LED 40/90 GL

ROM-BOX 40/90, Total weight in kg, incl. cover and height adjustment

Height cm	Weight kg / Class B	Weight kg / Class D
71 - 76	115,3	150,3
81 - 86	121,9	156,9
91 - 96	126,1	161,1
101 - 106	132,7	167,7
111 - 116	136,9	171,9

ROM-BOX 40/139

Height cm	Details	Weight kg	Article name
20	Basisbox incl. ABS bottom plate, LW 405 x 1385 mm, incl. U-frame, external dimensions: 485 x 1465 mm	31,7	Basisbox 405 1385 200
10	Element extension, LW 405 x 1385 mm, external dimensions: 485 x 1465 mm	8,0	E 405 1385 100
20	Element extension, LW 405 x 1385 mm, external dimensions: 485 x 1465 mm	13,40	E 405 1385 200
0 - 5	Height adjustment for ROM-BOX 40/139	0,9	HA 405 1385
11	Chamber cover Class B 125 as per EN 124, 405 x 1385, ductile cast iron with locking mechanism	120,0	LEB 40/139 GL
11	Chamber cover Class B 125 as per EN 124, 405 x 1385, ductile cast iron with locking mechanism	170,0	LED 40/139 GL

ROM-BOX 40/139, Total weight in kg, incl. cover, U-frame and height adjustment

Height cm	Weight kg / Class B	Weight kg / Class D
71 - 76	179,4	229,4
81 - 86	187,4	237,4
91 - 96	192,8	242,8
101 - 106	200,8	250,8
111 - 116	206,2	256,2

ROM-BOX INCL. HEIGHT ADJUSTMENT

ROM-BOX 57/42

Height cm	Details	Article name
20	Basisbox incl. ABS baseplate, LW 569 x 419 mm, external measurements: 649 x 499 mm, height: 200 mm	Basisbox 569 419 200
10	Elevation element, LW 569 x 419 mm, external measurements: 649 x 499 mm, height: 100 mm	E 569 419 100
20	Elevation element, LW 569 x 419 mm, external measurements: 649 x 499 mm, height: 200 mm	E 569 419 200
0 - 5	Height adjustment for ROM-Box 57/42	HA 569 419
11	Cover class B 125 according EN 124, 569 x 419, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LEB 57/42 GL
11	Cover class D 400 according EN 124, 569 x 419, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LED 57/42 GL

ROM-Box 57/42 Total weight in kg, incl. cover and height adjustment

Height cm	Weight kg / Class B	Weight kg / Class D
71 - 76	71,1	98,1
81 - 86	76,1	103,1
91 - 96	79,6	105,6
101 - 106	84,6	111,6
111 - 116	88,7	115,1

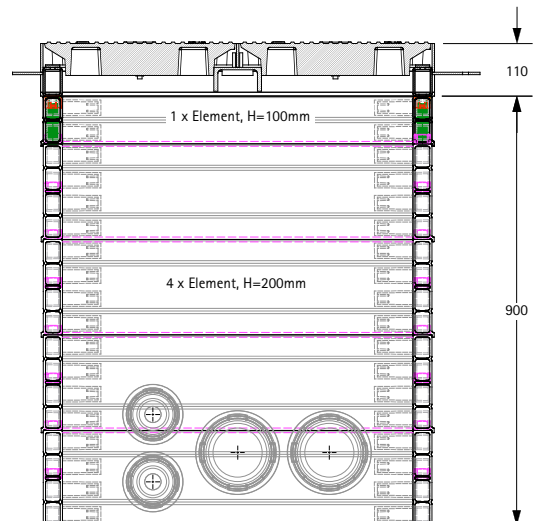


ROM-BOX 57/92

Height cm	Details	Article name
20	Basisbox incl. ABS baseplate, LW 569 x 921 mm, external measurements: 649 x 1001 mm, height: 200 mm	Basisbox 569 921 200
10	Elevation element, LW 569 x 921 mm, external measurements: 649 x 1001 mm, height: 100 mm	E 569 921 100
20	Elevation element, LW 569 x 921 mm, external measurements: 649 x 1001 mm, height: 200 mm	E 569 921 200
0 - 5	Height adjustment for ROM-Box 57/92	HA 569 921
11	Cover class B 125 according EN 124, 569 x 921, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LEB 57/92 GL
11	Cover class D 400 according EN 124, 569 x 921, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LED 57/92 GL

ROM-Box 57/92 Total weight in kg, incl. cover and height adjustment

Height cm	Weight kg / Class B	Weight kg / Class D
71 - 76	154,5	194,5
81 - 86	160,7	200,7
91 - 96	164,5	204,5
101 - 106	170,7	210,7
111 - 116	174,5	214,5



Please see page 19 for ROM-Box accessories.

ROM-BOX 57/142

Height cm	Details	Article name
20	Basisbox incl. ABS baseplate, LW 569 x 1424 mm, incl. U-frame, external measurements: 649 x 1504 mm, height: 200 mm	Basisbox 569 1424 200
10	Elevation element, LW 569 x 1424 mm, external measurements: 649 x 1504 mm, height: 100 mm	E 569 1424 100
20	Elevation element, LW 569 x 1424 mm, external measurements: 649 x 1504 mm, height: 200 mm	E 569 1424 200
0 - 5	Height adjustment for ROM-Box 57/142	HA 569 1424
11	Cover class B 125 according EN 124, 569 x 1424, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LEB 57/142 GL
11	Cover class D 400 according EN 124, 569 x 1424, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LED 57/142 GL

ROM-Box 57/142 Total weight in kg, incl. cover, U-frame und height adjustment

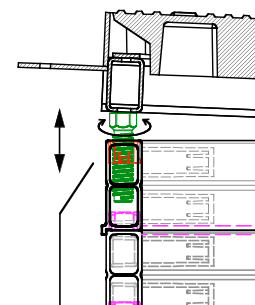
Height cm	Weight kg / Class B	Weight kg / Class D
71 - 76	216,1	279,1
81 - 86	223,7	286,7
91 - 96	228,7	291,7
101 - 106	236,3	299,3
111 - 116	241,3	304,3

ROM-BOX 77/73

Height cm	Details	Article name
20	Basisbox incl. ABS baseplate, LW 773 x 734 mm, external measurements: 853 x 814 mm, height: 200 mm	Basisbox 773 734 200
10	Elevation element, LW 773 x 734 mm, external measurements: 853 x 814 mm, height: 100 mm	E 773 734 100
20	Elevation element, LW 773 x 734 mm, external measurements: 853 x 814 mm, height: 200 mm	E 773 734 200
0 - 5	Height adjustment for ROM-Box 77/73	HA 773 734
11	Cover class B 125 according EN 124, 773 x 734, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LEB 77/73 GL
11	Cover class D 400 according EN 124, 773 x 734, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LED 77/73 GL

ROM-Box 77/73 Total weight in kg, incl. cover und height adjustment

Height cm	Weight kg / Class B	Weight kg / Class D
71 - 76	158,2	208,2
81 - 86	163,2	213,2
91 - 96	167,3	217,3
101 - 106	172,3	222,3
111 - 116	176,8	226,8



continuously variable height and adjustment by using 4 set screws levelling

Please see page 19 for ROM-Box accessories.

ROM-BOX 77/115

Height cm	Details	Article name
20	Basisbox incl. ABS Baseplate, LW 773 x 1145 mm, incl. U-frame, external measurement: 853 x 1225 mm, height: 200 mm	Basisbox 773 1145 200
10	Elevation element, LW 773 x 1145 mm, external measurement: 853 x 1225 mm, height: 100 mm	E 773 1145 100
20	Elevation element, LW 773 x 1145 mm, external measurements: 853 x 1225 mm, height: 200 mm	E 773 1145 200
0 - 5	Height adjustment for ROM-Box 77/115	HA 773 1145
11	Cover class B 125 according EN 124, 773 x 1145, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LEB 77/115 GL
11	Cover class D 400 according EN 124, 773 x 1145, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LED 77/115 GL

ROM-Box 77/115 Total weight in kg, incl. cover, U-frame und height adjustment

Height cm	Weight kg / Class B	Weight kg / Class D
71 - 76	253,1	328,1
81 - 86	260,1	335,1
91 - 96	267,2	342,2
101 - 106	274,2	349,2
111 - 116	281,3	356,3

ROM-BOX 77/156

Height cm	Details	Article name
20	Basisbox incl. ABS baseplate, LW 773 x 1555 mm, incl. U-frame, external measurements: 853 x 1635 mm, height: 200 mm	Basisbox 773 1555 200
10	Elevation element, LW 773 x 1555 mm, external measurements: 853 x 1635 mm, height: 100 mm	E 773 1555 100
20	Elevation element, LW 773 x 1555 mm, external measurements: 853 x 1635 mm, height: 200 mm	E 773 1555 200
0 - 5	Height adjustment for ROM-Box 77/156	HA 773 1555
11	Cover class B 125 according EN 124, 773 x 1555, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LEB 77/156 GL
11	Cover class D 400 according EN 124, 773 x 1555, made of ductile cast iron incl. locking mechanism, height = ca. 110 mm	LED 77/156 GL

ROM-Box 77/156 Total weight in kg, incl. cover, U-frame und height adjustment

Height cm	Weight kg / Class B	Weight kg / Class D
71 - 76	279,5	424,5
81 - 86	288,0	433,0
91 - 96	295,8	440,8
101 - 106	304,3	449,3
111 - 116	312,1	457,1

Please see page 19 for ROM-Box accessories.



ROM-BOX INCL. SELFLEVEL® COVER

ROM-BOX 70/70 SL

Height cm	Details	Article name
20	Basisbox incl. ABS baseplate, LW 800 x 745 mm, external measurements: 880 x 825 mm, height: 200 mm	Basisbox 800 745 200
10	Elevation element, LW 800 x 745 mm, external measurements: 880 x 825 mm, height: 100 mm	E 800 745 100
20	Elevation element, LW 800 x 745 mm, external measurements: 880 x 825 mm, height: 200 mm	E 800 745 200
17,4 - 23,5	Selflevel® cover class D 400 according EN 124, 700 x 700, made of ductile cast iron, 2 lids with three-point bearing and frame joint, incl. adapterframe, height = 174 - 235 mm.	LED 70/70 GL-SL

ROM-Box 70/70 SL Total weight in kg, incl. cover

Height cm	Weight kg / Class D
77,4 - 83,5	200,9
87,4 - 93,5	207,2
97,4 - 103,5	211,1
107,4 - 113,5	217,4
117,4 - 123,5	221,3

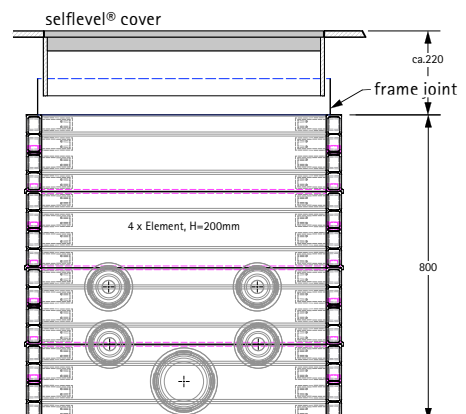
ROM-BOX 70/140 SL

Height cm	Details	Article name
20	Basisbox incl. ABS baseplate, LW 800 x 1465 mm, incl. U-frame, external measurements: 880 x 1545 mm, height: 200 mm	Basisbox 800 1465 200
10	Elevation element, LW 800 x 1465 mm, external measurements: 880 x 1545 mm, height: 100 mm	E 800 1465 100
20	Elevation element, LW 800 x 1465 mm, external measurements: 880 x 1545 mm, height: 200 mm	E 800 1465 200
17,4 - 23,5	Selflevel® cover class D 400 according EN 124, 700 x 1400, made of ductile cast iron, 4 lids with three-point bearing and frame joint, incl. adapterframe, height = 174 - 235 mm.	LED 70/140 GL-SL

ROM-Box 70/140 Total weight in kg, incl. cover and U-frame

Height cm	Weight kg / Class D
77,4 - 83,5	360,6
87,4 - 93,5	369,0
97,4 - 103,5	374,7
107,4 - 113,5	383,1
117,4 - 123,5	388,8

Please see page 19 for ROM-Box accessories.



ROM-BOX FOR STANDARD COVERS

ROM-BOX 40/65 ST

Height cm	Details	Article name
20	Basisbox incl. ABS baseplate, LW 450 x 700 mm, external measurements: 530 x 780 mm, height: 200 mm	Basisbox 450 700 200
10	Elevation element, LW 450 x 700 mm, external measurements: 530 x 780 mm, height: 100 mm	E 450 700 100
20	Elevation element, LW 450 x 700 mm, external measurements: 530 x 780 mm, height: 200 mm	E 450 700 200
0	Z-profiled steelframe for a shift-free assembly of standard covers class B 125 oder class D 400, 400 x 650 mm (intermeasurement Z-profile: 554x804mm)	Kopfrahmen Z-Profil

ROM-Box 40/65 ST Total weight in kg, incl. z-profiled steelframe, without cover

Height cm ¹	Weight kg
60	34,4
70	39,6
80	42,5
90	47,7
100	50,6

¹ without cover

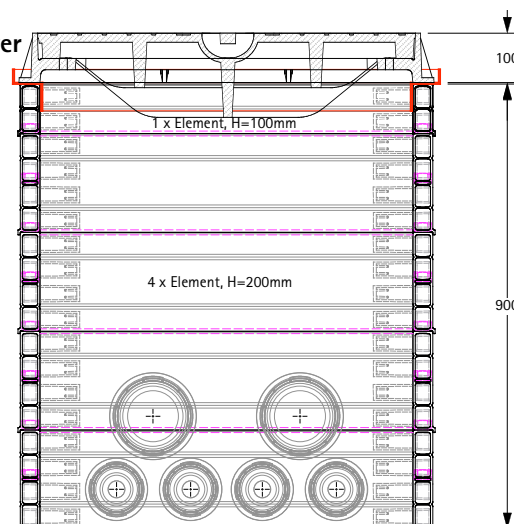
ROM-BOX 70/70 ST

Bauhöhe cm	Details	Article name
20	Basisbox incl. ABS Baseplate, LW 755 x 755 mm, external measurements: 835 x 835 mm, height: 200 mm	Basisbox 755 755 200
10	Elevation element, LW 755 x 755 mm, external measurements: 835 x 835 mm, height: 100 mm	E 755 755 100
20	Elevation element, LW 755 x 755 mm, external measurements: 835 x 835 mm, height: 200 mm	E 755 755 200
0	Z-profiled steelframe for a shift-free assembly of standard covers class B 125 oder class D 400, 700 x 700 mm (internal measurements Z-profil: 854 x 854)	Kopfrahmen Z-Profil 854 x 854 (745 x 745)

ROM-Box 70/70 ST Total weight in kg, incl. z-profiled steelframe, without cover

Height cm ¹	Weight kg
60	44,1
70	50,3
80	54,1
90	60,3
100	64,1

¹ without cover



ROM-BOX 70/140 ST

Height cm	Details	Article name
20	Basisbox incl. ABS baseplate, LW 755 x 1515 mm , incl. U-frame, External measurement: 835 x 1595 mm, height: 200 mm	Basisbox 755 1515 200
10	Elevation element, LW 755 x 1515 mm , External measurement: 835 x 1595 mm, height: 100 mm	E 755 1515 100
20	Elevation element, LW 755 x 1515 mm , External measurement: 835 x 1595 mm, height: 200 mm	E 755 1515 200
0	Z-profiled steelframe for a shift-free assembly of standard covers class B 125 oder class D 400, 700 x 1400 mm (internal measurements z-profil 854 x 1614 mm)	Kopfraahmen Z-Profil 1614 x 854 (1505 x 745)

ROM-Box 70/140 ST Total weight in kg, incl. z-profiled steelframe and U-frame, without cover

Height cm ¹	Weight kg
60	80,4
70	88,8
80	94,5
90	102,9
100	108,6

¹ without cover

ROM-BOX ACCESSORIES

Article name	Details
KSRB-Kappe 50	Plug 50 mm made of plastic for ROM-Box
KSRB-Kappe 110/40	Plug 110 mm made of plastic for ROM-Box
KSRB-Kappe 160/110	Plug 160 mm made of plastic for ROM-Box
KSRB-CSS 51	Cup saw for ROM-Box, drill size 51 mm
KSRB-CSS 111	Cup saw for ROM-Box, cutting depth ca. 45 mm, drill size 111 mm
KSRB-CSS 161	Cup saw for ROM-Box, cutting depth ca. 45 mm, drill size 161 mm
Inbusschüssel ROM-Box	Allen key for ROM-Box height adjustment
AS ROM-Box	Allen key for standard ROM-Box
AS ROM-Box SL	Allen key for ROM-Box with selflevel® cover
VS ROM-Box	Locking key for ROM-Box covers
Tragehilfe	Lifting equipment



The Flick forest management office demands completely sealed cable chambers for installation along forest roads.

CABLE CHAMBER KS 63/80

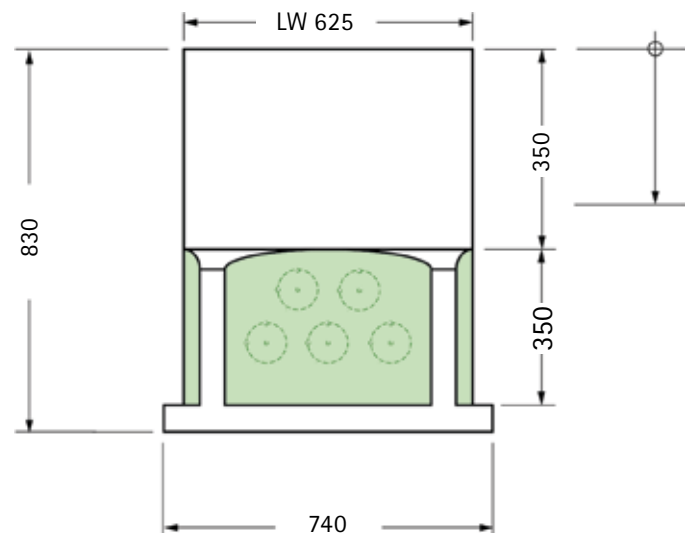


PUBLIC TENDER TEXT EXAMPLE

Cable chamber DN 625, H=80 cm. PE-Cable chamber DN 625, watertight, 100% virgin material without recycling content (ultimate elongation respectively elongation at tear $\geq 200\%$), horizontal reinforcement rings to secure uplift retention. Height: 45 - 80 cm. System ROMOLD or equal.



For latest information on this topic, visit www.romold.de, menu service





Salzburg decided to use ROMOLD cable chambers due to their ease of use and flexible options for connections.

DN 625

**FOR CHAMBER
COVERS,
REFER TO PG. 25**

Height cm	Details	Weight kg	Article name
45 – 80	PE cable chamber DN 625	21.0	KS 63/80

PROJECTS WITH ROMOLD CHAMBERS

City of Salzburg: Different cable conduits were integrated in the chamber. No excavator could be used in order not to prevent the flow of traffic to the construction site. The lightweight ROMOLD PE cable chamber could easily be shifted by hand. Diameter and number of cable conduits were unknown prior to installation. The chamber was created using cup saws of Ø 32, 50 and 110 on site. Corrugated pipes and smooth PVC pipes were connected at the chamber.

A drain was made in the base of the chamber using a cup saw. The height of the chamber could be adapted easily and quickly by cutting the taper shaft ring to centimeter using a right-angle grinder (ideally compass saw) along the provided marks. Leveling or mortar work were not necessary.

Flick Forest management office: The Flick's forest management office demands completely sealed cable chambers for installation along forest roads.



For latest information on this topic, visit www.romold.de, menu products, submenu electric & telecommunications, cable chamber KS 63/80



Czech Railway: Transfer without crane to the route



Energie AG Oberösterreich: Welding of elements



Energie AG Oberösterreich: Injection

CABLE CHAMBER KS 80.63



KS 80.63/44 LD

KS 80.63/60

PUBLIC TENDER TEXT EXAMPLE

Cable chamber DN 800, H = 44 cm: PE-Cable chamber DN 625, watertight, 100% virgin material without recycling content (ultimate elongation respectively elongation at tear \geq 200%), internal height 44 cm, cone ID 625, horizontal reinforcement rings to secure uplift retention, height: 47 cm. System ROMOLD or equal.



For latest information on this topic, visit www.romold.de, menu service

PROJECTS WITH ROMOLD CHAMBERS

Czech Railway: The fiber optic cable splice socket and 20m reserve cable were placed in the chamber in a clean and waterproof manner. The chamber was sealed using a PE cover.

Along the railway bed there were many difficult-to-access spots. The impact on the flow of railway traffic was supposed to be as minimal as possible. For that reason, it was decided to unload the lightweight and water-proof ROMOLD PE chambers directly by hand from a freight car. The schedule was not affected in any way.



of additional fiber optic cabling


Telekom Austria: ROMOLD masters the challenge

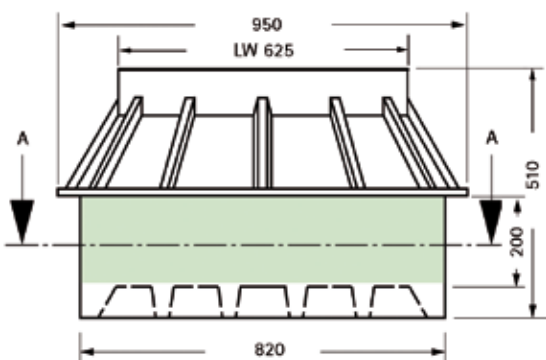
DN 800

**FOR CHAMBER
COVERS**
REFER TO PG. 24

Height cm	Details	Weight kg	Article name
47	PE cable chamber DN 800/625 incl. water-proof PE cover LGH 63 D, incl. handholds, only for buried installation	29.0	KS 80.63/44 LD
45 – 62	PE cable chamber DN 800/625	26.0	KS 80.63/60

Energie AG Oberösterreich: The task was to inject a second cable into an already filled cable conduit. The branch in the chamber should be routed to a new office building. For this purpose the bottom part of the chamber base was detached using a compass saw. The chamber base was placed under the cable conduit. Afterwards, the upper part of the chamber was placed and welded with the bottom part along the section plane and around the pipe lead-in of the continuous pipe. The already filled cable conduit was connected with the chamber in a waterproof manner. The conduit could be opened in the chamber and the additional fiber optic cable was injected.

 For latest information on this topic, visit www.romold.de, menu products, submenu electric & telecommunications, cable chamber KS 80.63





Any pipe joint with the aid of ROMOLD IS seal



Example of application Overhead station

CABLE CHAMBER FC 80.63/115 SBS



PUBLIC TENDER TEXT EXAMPLE

Cable chamber DN 800, H = 115 cm: PE-Cable chamber DN 800, watertight, 100% virgin material without recycling content (ultimate elongation respectively elongation at tear $\geq 200\%$), flat and corrugated bottom, with corrosion-resistant steps, vertical step distance 25 cm, cone ID 625, horizontal reinforcement rings to secure uplift retention. Height: 90 – 115 cm.

System ROMOLD or equal.



For latest information on this topic, visit www.romold.de, menu service



Municipal road construction

Steps may be removed if needed (cable installation)

DN 800

FOR CHAMBER COVERS
REFER TO PG. 24

Height cm	Details	Weight kg	Article name
90 – 115	PE cable chamber DN 800/625 incl. corrosion-resistant steps	42.0	FC 80.63/115 SBS

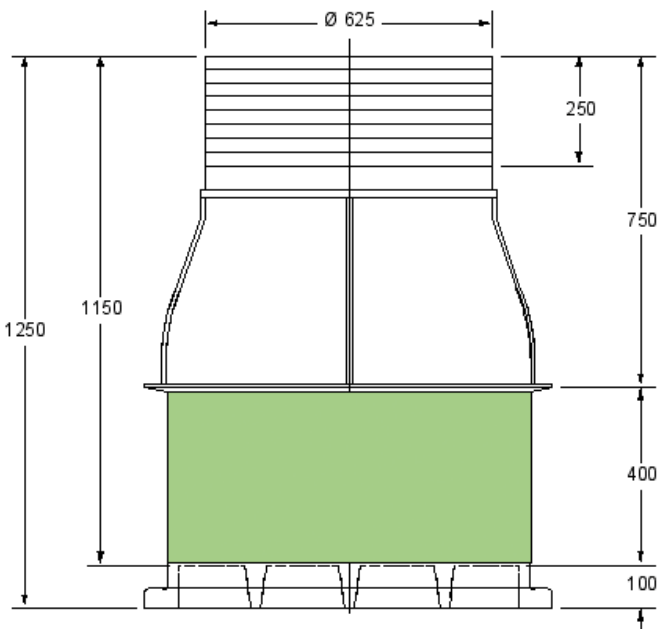
PROJECTS WITH ROMOLD CHAMBERS

Traffic management systems: Watertight pipe joints of different pipe diameters are no problem thanks to IS seal. Quick installation, reduced hold-up time, and a good trip!

Municipal road construction: Installation of cable chambers has never been easier. The chamber weighs only 42 kg. Drilling with the aid of a rechargeable drill only takes a few minutes. No scaling, no mortaring and no risk of injury due to heavy concrete components.



For latest information on this topic, visit www.romold.de, menu products, submenu electric & telecommunications, cable chamber FC 80.63/115 SBS





Cover LGH 63 D



Placement of reserve cables in watertight ROMOLD PE chambers.



Watertight cover system with separate sealing and bearing function.

CABLE CHAMBER KS 100.63



KS 100.63/53

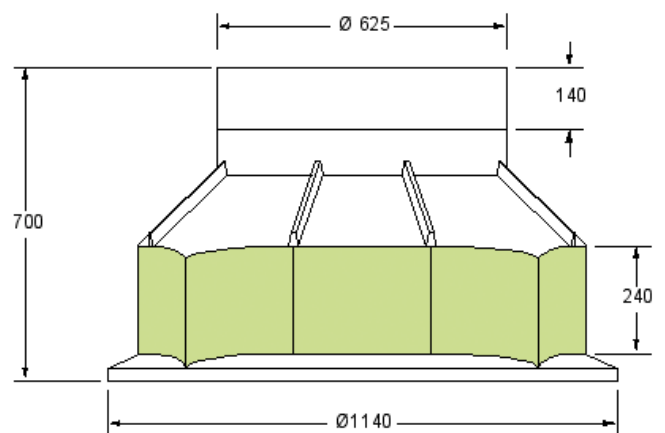
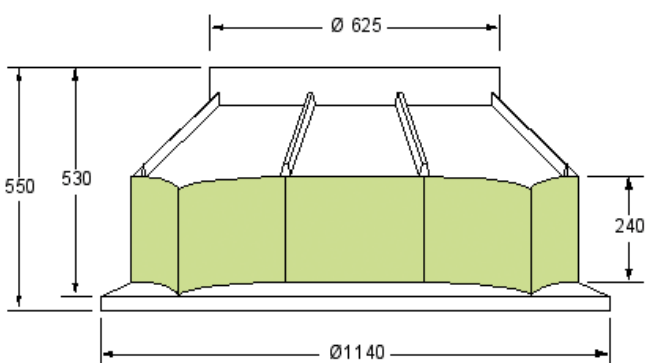
KS 100.63/70

PUBLIC TENDER TEXT EXAMPLE

Cable chamber DN 1000, H=53 cm (70 cm):
 PE- Cable chamber DN 1000, watertight, 100% virgin material without recycling content (ultimate elongation respectively elongation at tear \geq 200%), flat and corrugated bottom, cone ID 625, horizontal reinforcement rings to secure uplift retention. Height: 53 cm (70 cm). System ROMOLD or equal.



For latest information on this topic, visit www.romold.de, menu service





PROJECTS WITH ROMOLD CHAMBERS

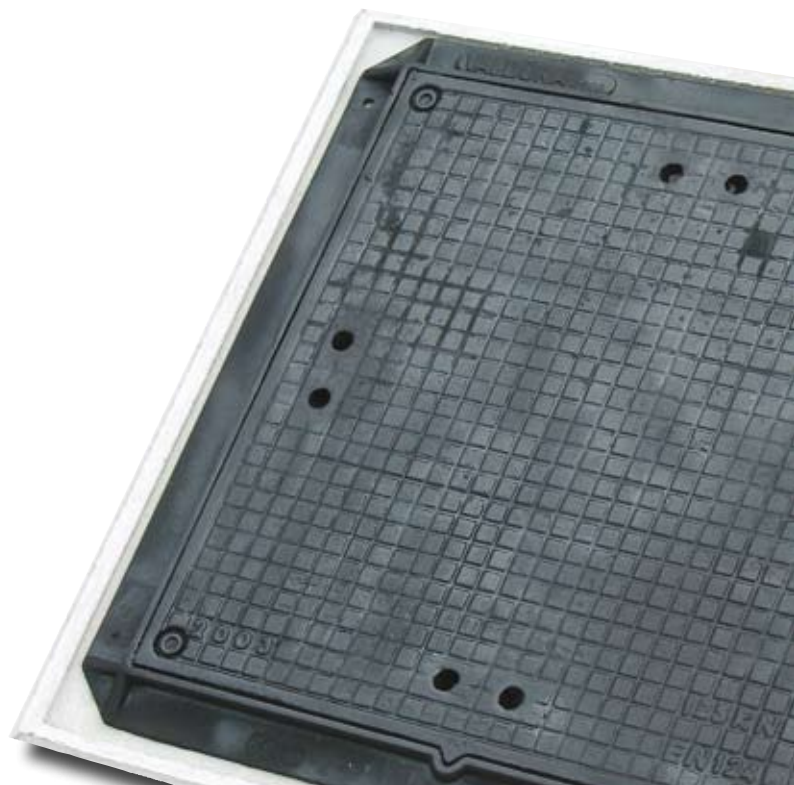
City of Bratislava: ROMOLD subsurface chamber, KS 100 is used for storage of diverse reserve cables or as dry storage for splice sockets. Waterproof pipe joints were manufactured on site with the aid of a cup saw and seal IS 50. The chambers were installed underground between 30 and 50 cm. LGH 63 D were used as waterproof cover variations. Markers are placed in the chamber to facilitate subsequent position fixing.

ÖBB Österreichische Eisenbahngesellschaft (Austrian railway company): The splice sockets of the fiber optic cables installed along the railway line were installed in a waterproof manner in a ROMOLD PE cable chamber. Due to their light weight the chambers were moved to the construction site without crane. The empty conduit was swivelled out of the concrete conduits.

Due to possible variations in the length of the empty conduit due to temperature fluctuation, this was connected to a spigot welded to the chamber with the aid of a plasson fitting. The fiber optic cable splice socket and 30 m reserve cable were placed in the chamber in a clean and waterproof manner. The chamber was sealed using a PE cover (LGH 63 D).



For latest information on this topic, visit www.romold.de, menu products, submenu electric & telecommunications, cable chamber KS 100.63





ALDI Central Warehouse: Cables for outdoor lighting



Pulling chamber with ground



PUBLIC TENDER TEXT EXAMPLE

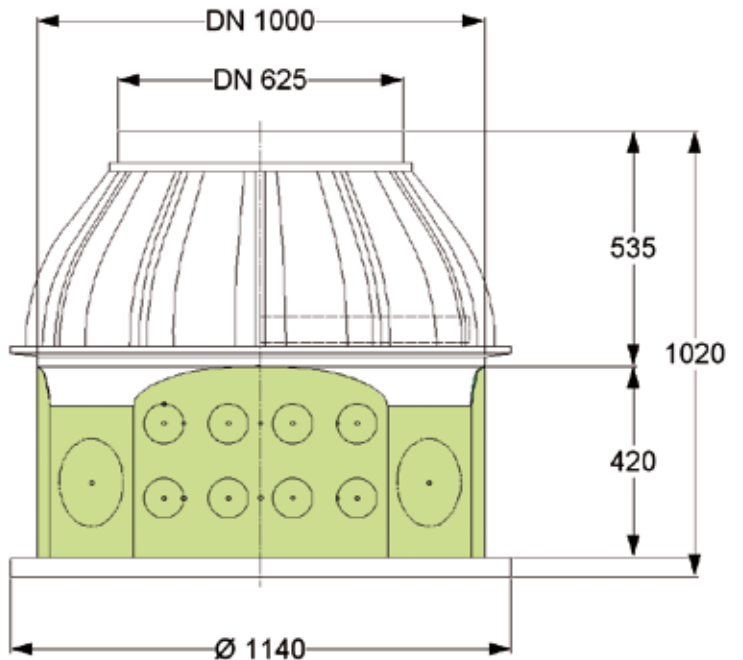
Cable chamber with steps DN 1000, H=110 cm:
 PE-Cable chamber DN 1000, watertight, 100% virgin material without recycling content (ultimate elongation respectively elongation at tear \geq 200%), flat and corrugated bottom, with corrosion-resistant steps, vertical step distance 25 cm, cone ID 625, horizontal reinforcement rings to secure uplift retention. Height: 100 – 110 cm. System ROMOLD or equal.



For latest information on this topic, visit www.romold.de, menu service



KS 100.63/110 SBL





For signal installations



Pipe joint and seal installation on site



Easy to move

DN 1000

**FOR CHAMBER
COVERS**
REFER TO PG. 24

Height cm	Details	Weight kg	Article name
53	PE cable chamber DN 1000/625, incl. waterproof PE cover LGH 63 D, incl. handholds, only for buried installation.	39.0	KS 100.63/53 LD
53	PE cable chamber DN 1000/625	32.0	KS 100.63/53
58 – 72		34.0	KS 100.63/70
104 – 110	PE cable chamber DN 1000/625, incl. corrosion-resistant steps	53.0	KS 100.63/110 SBL

PROJECTS WITH ROMOLD CHAMBERS

ALDI Central Warehouse: Cable chamber KS 100.63/110 SBL for accommodating cabling for illuminating outdoor installations. Cover „standard“ with concrete ring ring (BARD) class D 400 or class B 125. Distributor or cable laying shaft with connections. Up to eight cable conduits DA 110 will have to be implemented on each side so that they are tight against sand and water.

Signal installations: ROMOLD PE cable chambers fulfill the requirements of many public utilities after completely sealed cable chambers for completely sealed cable conduits for fiber optic cables and diverse control and street lighting systems. The pipe joint and seal installation can be implemented in a flexible manner on site.

The cable chamber with 13 DA 50 pipe joints and one DA 40 pipe joint for street lighting was moved by hand without difficulty (photo top right).

ROMOLD PE cable chambers ensure significant economic advantages over traditional systems over the medium and long term thanks to their complete leak tightness and low maintenance characteristics.



For latest information on this topic, visit www.romold.de, menu products, submenu electric & telecommunications, cable chamber KS 100.63

LGH 63 DD



LK 63 D



Cross-section model with conventional cover



sealing cap LK 63

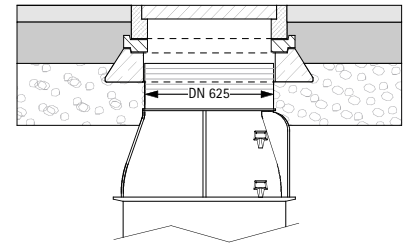
LDB 63 BDR



LAB 63 G



CONCRETE SUPPORT RING



CHAMBER COVERS FOR ROUND CABLE CHAMBERS



LDD 63 GDR

WHAT YOU NEED TO KNOW

ROMOLD chamber covers are designed especially for use with ROMOLD plastic chambers and ensure the fastest installation possible and a shift-proof seating of cover. Assembly is implemented with the aid of ROMOLD frame directly to the chamber part.

Classification of chamber covers in compliance with EN 124: Covers of class B 125 are suitable for walkways, pedestrian zones and comparable areas, e.g. car parking areas (group 2). Covers of class D 400 are suitable for road areas (lanes, approved for all motor vehicles) (group 4).

PUBLIC TENDER TEXT EXAMPLE

Cover DN 625, cl. D „watertight“: Cover class D 400, DN 625, according to DIN 19584/EN 124, watertight with 4 interlocking bolts, lid cast iron, for direct, shift-free assembly on road foundation, construction height: 13 cm. Type ROMOLD, or equal



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

DN/LW 625 and LW 700 x 700

WATERTIGHT

Height cm	Class	Details	Weight kg	Article name
3	accessible	PE cover DN 500, tight against surface water with seal ES 50	3.5	LGH 50 DD
3	accessible	PE, tight against surface water with seal ES 63 and two integrated handholds	7.0	LGH 63 DD
0	B	PE-chamber hood, incl. seal for commercial available covers, ID 70 x 70 cm	3.0	LK 63 D
15	B	ID 70 x 70 cm, cast iron	123.0	LAB 70 GL S
17	D	ID 70 x 70 cm, cast iron	220.0	LAD 70 GL S
17	B or D	Concrete frame 70 x 70 cm	205.0	BARD 70 VS
4	B	tight against surface water, interlockable, with ROMOLD frame, DIN 1229/EN 124	71.0	LDB 63 BDR
13	D	tight against surface water with four interlocks, with ROMOLD frame with supporting flange, DIN 19584/EN 124	200.0	LDD 63 GDR

DN/LW 625

NOT WATERTIGHT

Height cm	Class	Details	Weight kg	Article name
4	B	GG, without ventilation, with ROMOLD frame, ÖNORM B 5110	67.0	LAB 63 G
24	D	Concrete ring, standard (ROMOLD provides drawings)		

ACCESSORIES

JOINTS AND SEALS



INLET PIPE SEALS

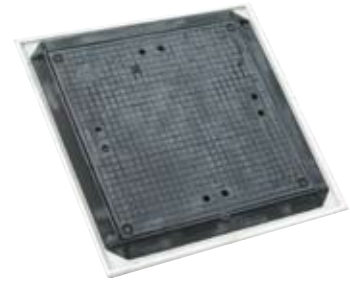
for pipes	Details	Weight kg	Article name
OD = 32 mm	Pipe seal according to DIN 4060, material SBR	0.01	IS 32
OD = 40 mm		0.02	IS 40
OD = 50 mm		0.05	IS 50
OD = 63 mm		0.06	IS 63
OD = 75 mm		0.07	IS 75
OD = 90 mm		0.08	IS 90
OD = 110 mm		0.16	IS 110 DN 100
OD = 125 mm		0.17	IS 125 DN 125
OD = 160 mm		0.23	IS 160 DN 150

CUP SAW AND ADAPTER

for seals	Details	Weight kg	Article name
Adapter for all cup saws		0.25	CSA2
OD = 32 mm (IS 32)	for pipe seal openings	0.07	CS 32
OD = 40 mm (IS 40)		0.10	CS 40
OD = 50 mm (IS 50)		0.12	CS 50
OD = 63 mm (IS 63)		0.15	CS 63
OD = 75 mm (IS 75)		0.17	CS 75
OD = 90 mm (IS 90)		0.26	CS 90
OD = 110 mm (IS 110)		0.38	CS 110 DN 100
OD = 125 mm (IS 125)		0.46	CS 125 DN 125
OD = 160 mm (IS 160)		0.70	CS 160 DN 150

ACCESSORIES

Details	Weight kg	Article name
PE ring DN 625, height 10-40 cm	10.0	E 63/40.8
Element seal	0.65	ES 63
Seal between chamber cone and cover	0.06	DS 63 L
Reducer ND 625/500, height approx	6,5	ER 63.50/20

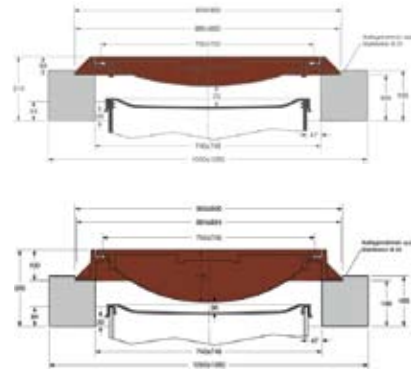


ASSEMBLY AND INSTALLATION

FOR ROUND, WATERTIGHT CABLE CHAMBERS

SEALING HOOD LK 63 D

Sealing hood LK 63 D with standard cover of class B 70 x 70 cm. Concrete frame according to ROMOLD drawing. Cover secured with screws, cast iron frame without attachments for dirt traps (clear opening 70 x 70 cm).



THE CHAMBER PIT

must be designed in such a way that a back-fill width of at least 30 cm is ensured around the chamber (at least 15 cm in case of use of lean concrete). The thickness of the granular sub-grade course must be 10 cm.

CABLE CONDUITS

must be connected at right angles ($\pm 5^\circ$ tolerance) to the chamber wall. In this case, it may be necessary for existing empty conduits to uncover them a bit further in order to attain sufficient flexibility. Due to the low net weight of the chamber it is also possible to slide the chamber onto the empty conduit.

PRIOR TO SPOT DRILLING

of the chamber, it should be lifted into the pit in order to check for connection options. The spot to be drilled should be marked. Boreholes must be produced at sufficient distance from the reinforcing ribs.

INLET BORES

which were prepared on site have to be deburred. Sealing rings and pipe ends must be equipped with adequate lubricant. All seals are to be cleaned of impurities and checked for proper seating. The marked side of the seal must be on the outer wall of the chamber.

3-WAY PIPE

Remove connecting film on a length of approx. 1 meter. Scrape clean in the sealing area. The empty conduits should extend approx. 15-20 cm into the chamber. Particular attention should be given to maintaining sufficient space between pipes in order to be able to assemble binders. The pipes can be installed side-by-side or staggered.



BACKFILLING MATERIAL

G1- or G2-material as per ATV 127, Section 3.1:

Grain sizes: Round grain < 32 mm
 Matrix grain < 16 mm

No stones with diameters greater than those cited above may come to lie directly on the chamber wall. The filling material has to be introduced in layers (20–40 cm) and has to be compacted.

Important: When using lean concrete, it is not possible to subsequently embed any empty conduits.

EQUIPMENT FOR COMPACTION

A medium-heavy vibration tamper should be used (motorised tamper: approx 50 kg). During compacting, a plastic cover should be set up so as to provide the chamber neck with additional bracing.

HEIGHT ADJUSTMENT

With cable chambers that can be shortened, the installation height can be adapted by sawing off the chamber cone using a saw suitable for woodworking (e. g. hand saw or jigsaw), doing so along the marking rings. When doing this, allow for the installation height of the chamber cover.

COVERS

When installing the covers, pay attention to cleanliness. All the seals have to fit properly. To avoid additional cleaning work, the lids should be placed on a clean surface (foil, wooden surface) after they are lifted up.

INSTALLING LGH 63 DD

First mount element seals on the chamber cone. Provide seal with lubricant and set on PE cover.

INSTALLING LK 63 D WITH GREY IRON COVER 700 x 700

The concrete frame for the cover 700 x 700, as per the drawings from ROMOLD (see page 33) has to be bedded on compressed filling material. Place the seal for the PE sealing cap, and then the actual sealing cap, firmly onto the chamber neck.



Current information on this subject is available at www.romold.de in the ROMOLD-SERVICE section, sub-section SETUP AND INSTALLATION.



ASSEMBLY AND INSTALLATIONS

FOR CABLE CHAMBERS TYPE ROM-BOX

INSTALLING ROM-BOX



Prepare and compact the construction pit



Easy-to-lift, without equipment



Level in safely



Compact in layers



Variable adjustment of height and inclination

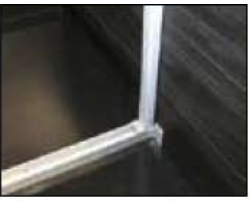
INSTALLING U-PROFILE



The horizontal profile is factory-mounted



Introduce the vertical profile...



... using the plug-in system



Connect the vertical profiles to the chamber cover frame using the plug-in system.



Put in the lid support using the plug-in system

PRODUCING INSERTION OPENINGS



Insertion openings made by the customer



The sealing caps are easy to put in and take out.



Sealing caps with target cut-outs

BUILDING OVER EXISTING CABLE CONDUITS, CABLES AND LINES



Remove clip connections without tools



Easy-to-lift cable chamber parts



Introducing existing routes



Easy-to-put-back cable chamber parts



Assemble frame and cover

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