



Europa

SEWERAGE COVERS
EUROPA

KASI

BIGGEST CZECH PRODUCER OF SEWAGE CAST IRON

KASI, spol. s r.o. was founded in 1992 as an engineering company operating in the field of concrete component production technology. Today, we are one of the most modern European producers of sewer components, supplying the whole of Central and Eastern Europe.

Our product portfolio includes:

- | Shaft covers and gully grates
- | Adjustment rings and street gullies
- | Auxiliary installation material
- | Shaft steps
- | accessories for concrete products

We also offer engineering production and technology for the manufacture of concrete components.

INNOVATIONS AND NEW TECHNOLOGIES ARE OUR DOMAIN

Our development and testing centre is equipped with the latest technology and equipment. Years of experience in product development and production technology constitute the core know-how that we offer our customers. This guarantees product quality and a flexible response to individual customer requirements. We perform any and all the necessary tests of cast-iron and concrete components, as well as plastics and composites, on our in-house equipment. A test polygon with a swivel arm and a multi-ton load also allows us to test the covers in real operation.

IN-HOUSE FOUNDRIES AND CONCRETE PLANT MAKE OUR PRODUCTION INDEPENDENT

Foundries near Nový Bydžov and in Chvaletice, and a concrete plant and engineering production in Přelouč, ensure our manufacturing independence. The facilities are equipped with the latest production technologies, including automated lines and robotic stations.





IN-HOUSE FOUNDRIES
AND CONCRETE PLANT



EMPHASIS ON TECH-
NOLOGY AND PRODUCT
INNOVATION INNOVATION



PRODUCT
DEVELOPMENT AND
TESTING



AUTOMATED
AND OPTIMISED
PRODUCTION



CUSTOMER-SPECIFIC
SOLUTIONS

WE RESPOND FLEXIBLY TO OUR CUSTOMER'S NEEDS

We not only focus on production quality, technology and automation, but also on customer support. We help our clients choose the right product, offer custom-specific solutions, installation and maintenance consultation. We offer covers with the logo of the customer, city or company.

COVERS WITH YOUR OWN EMBLEM OR LOGO

For cities, sewer operators and other interested parties we offer cast iron shaft covers with their own motif, city emblem, company logo or inscription.

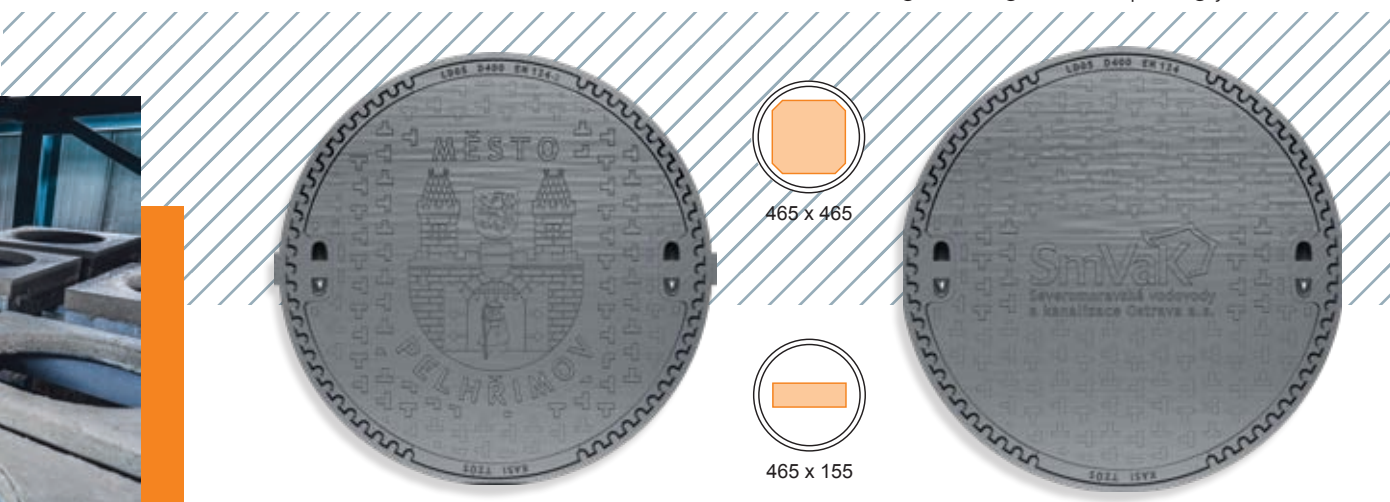
How to order a cover with your own motif

Contact a KASI dealer.

You will receive a preview of the cover with your chosen motif or text for approval.

Once the order is agreed and sent, the cover will be manufactured.

Sizes of interchangeable segments for placing your own motifs



MANHOLE COVERS **Europa**

After more than 10 years, we have come up with a major innovation in the Europa series of covers. We have used the positive experience from previous generation and thanks to new technologies in production we have been able to incorporate significant technical improvements and practical customer requirements.

The new generation of Europa covers meets the most demanding requirements for precision fitting of the cover in the frame for maximum protection against any movement. This guarantees the long-term functionality of the cover from light to extreme traffic loads and protects the damping inserts from any wear.

Europa 7 covers will be offered in load classes B125-E600, Europa 9 in load classes D400-E600.

Both cover series will now have a complete range of frames. This entire portfolio will be completed during 2024.

**The new generation of Europa covers is not compatible with the frames of the old series.
The products of the old series will continue to be available, for example, as spare parts.**

SEATING SURFACES

A major improvement is the machined seating surfaces. Thanks to the PUR damping inserts and the mechanical machining of the seating surface of each piece, it is guaranteed that the lid and frame are always supported all round without the possibility of micro-movements. This prevents excessive wear of the damping inserts.

For extreme traffic load, the size of the seating surfaces is also important to distribute the traffic load and thus again protect the damping inserts from wear. At the same time, the lid is also stressed in the horizontal direction and it is therefore advisable to have the damping insert on the vertical side of the lid for higher traffic loads.

PUR DAMPING INSERTS

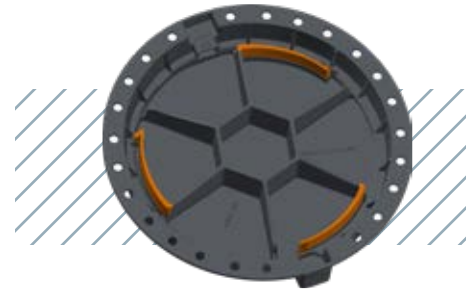
Damping inserts made of polyurethane are proven by many years of experience and are the ideal choice not only for their mechanical and chemical resistance and their strong connection to the cast iron, but also for their high precision and flatness due to automated production.



SPRING LOCK

The spring system does not only serve as a protection against opening (child safety lock), but has an even more important function, as it pulls the lid into the frame and thus, together with the weight of the lid, minimizes the movement of the lid in the frame, which protects the damping insert.

The new spring-locking system is manufactured fully automatically, thus guaranteeing high precision of the lid fitting in the frame.

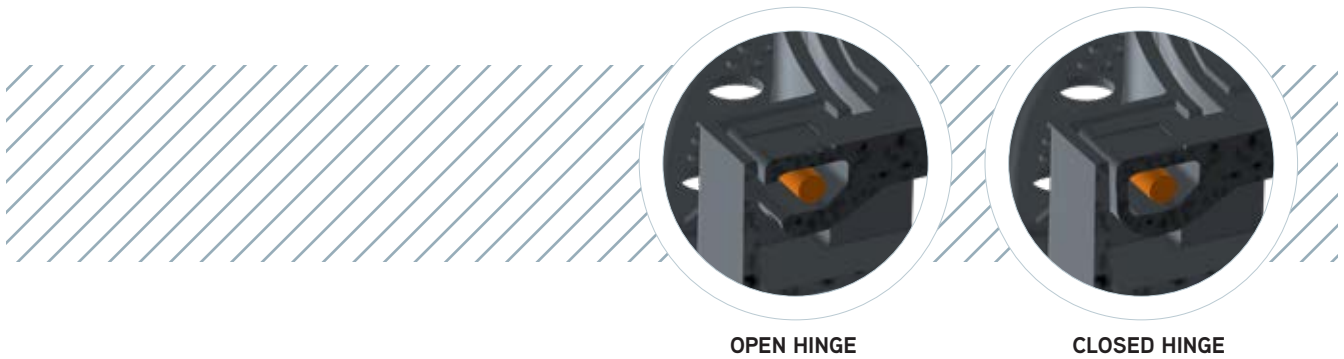


HINGE AND ANTI-THEFT PROTECTION

The Europa series lids now have two hinge shapes - open and closed.

The closed hinge combined with a stainless steel pin in the frame ensures that the lid is protected against theft.

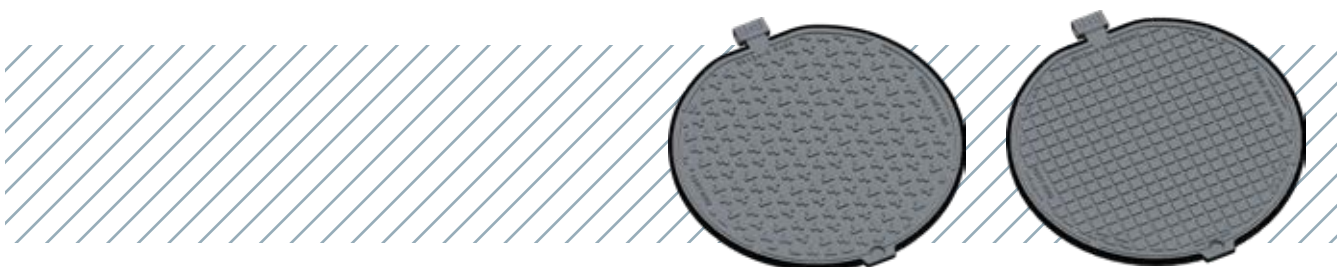
The open hinge, even in combination with a stainless steel pin in the frame, allows the lid to be completely removed from the frame, either for more comfort when inspecting the manhole or when the lid needs to be replaced with a ventilated one, etc.



SURFACE DESIGN

The standard T-shaped cover design is still offered as a basic option. However, for sites with high requirements for noise-free operation, it is not enough that the cover itself is silent, so a low-profile silent design is recommended, which also reduces the rolling noise from the tyres.

The lids also have the option of a shell-shaped handling opening if required.



TRAFFIC LOAD

The Europa 7 series has covers suitable for both light and heavy traffic load locations.

The Europa 9 range has covers suitable for all locations, including those with extreme traffic loads.

It is always important to select the correct lid and frame combination to match the cover to the specific traffic load.

EUROPA 7

Europa 7

Standard for light and heavy traffic



FRAMES

JER17



JERG7



Spreading frame 1000

Spreading frame 1200

Frame version with trap seat:
JERJ7

Frame version with trap seat:
JERH7

COVERS

LD71



Closed hinge

KDI71

KDG71

LD72



Closed hinge

KDI72

KDG72

LD73



Open hinge

KDI73

KDG73

LD74



Open hinge

KDI74

KDG74

LD7M



Closed hinge

KDI7M

KDG7M

LD7N



Open hinge

KDI7N

KDG7N

LE75



Closed hinge,
Quiet design

KEI75

KEG75

LE76



Closed hinge,
Quiet design

KEI76

KEG76

LE77



Open hinge,
Quiet design

KEI77

KEG77

LE78



Open hinge,
Quiet design

KEI78

KEG78

Europa 7

LERL7		LDRLL7		LERM7		Load class
Cast iron frame		Light cast iron frame		Self-levelling frame		
Frame version with trap seat: LERK7		without dirt trap seat only		Frame version with trap seat: LERN7		
KDL71		KDLL71		KDM71		D400
KDL72		KDLL72		KDM72		
KDL73		KDLL73		KDM73		
KDL74		KDLL74		KDM74		
KDL7M		KDLL7M		KDM7M		
KDL7N		KDLL7N		KDM7N		
KEL75				KEM75		E600
KEL76				KEM76		
KEL77				KEM77		
KEL78				KEM78		

EUROPA 9

Europa 9

Covers for heavy and extreme traffic load



FRAMES

JERB9



JERI9



Concrete-casting frame

Spreading frame
1000

Frame version with trap seat:
JERA9

Frame version with trap seat:
JERJ9

COVERS

LD91



Closed hinge

LD92



Closed hinge

LD93



Open hinge

LD94



Open hinge

LE91



Closed hinge

LE92



Closed hinge

LE93



Open hinge

LE94



Open hinge

LE95



Closed hinge, quiet design

LE96



Closed hinge, quiet design

LE97



Open hinge, quiet design

LE98



Open hinge, quiet design

KDB91

KDI91

KDB92

KDI92

KDB93

KDI93

KDB94

KDI94

KEB91

KEI91

KEB92

KEI92

KEB93

KEI93

KEB94

KEI94

KEB95

KEI95

KEB96

KEI96





KEB97

KEI97

KEB98

KEI98

Europa 9

JERG9		LERL9		LERM9		LERR9		Load class
Spreading frame 1200		Cast iron frame		Self-levelling frame		Self-levelling frame		
Frame version with trap seat: JERH9		Frame version with trap seat: JERK9		Frame version with trap seat: JERN9		With dirt-trap seat, open hinges only		
KDG91		KDL91		KDM91				
KDG92		KDL92		KDM92				
KDG93		KDL93		KDM93		KDR93		
KDG94		KDL94		KDM94		KDR94		
KEG91		KEL91		KEM91				
KEG92		KEL92		KEM92				
KEG93		KEL93		KEM93		KER93		
KEG94		KEL94		KEM94		KER94		
KEG95		KEL95		KEM95				
KEG96		KEL96		KEM96				
KEG97		KEL97		KEM97		KER97		
KEG98		KEL98		KEM98		KER98		

CAST IRON FRAME WITHOUT DIRT TRAP SEAT

Europa 7

DN
600

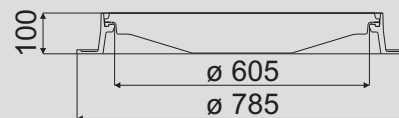
D400

E600



KDL71

- | standard EN 124-2
- | height 100 mm
- | packing 20 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDL71	50 kg			No	Standard	Closed
KDL72	50 kg			Yes	Standard	Closed
KDL73	50 kg			No	Standard	Open
KDL74	50 kg			Yes	Standard	Open
		KEL75	67 kg	No	Quiet	Closed
		KEL76	67 kg	Yes	Quiet	Closed
		KEL77	67 kg	No	Quiet	Open
		KEL78	67 kg	Yes	Quiet	Open
KDL7M	50 kg			GRATE		Closed
KDL7N	50 kg			GRATE		Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDL7I	50 kg			No	Standard	Closed
KDL7J	50 kg			Yes	Standard	Closed
KDL7K	50 kg			No	Standard	Open
KDL7L	50 kg			Yes	Standard	Open
		KEL7Q	67 kg	No	Quiet	Closed
		KEL7R	67 kg	Yes	Quiet	Closed
		KEL7S	67 kg	No	Quiet	Open
		KEL7T	67 kg	Yes	Quiet	Open
KDL7U	50 kg			GRATE		Closed
KDL7V	50 kg			GRATE		Open

CAST IRON FRAME WITH DIRT TRAP SEAT

Europa 7

DN
600

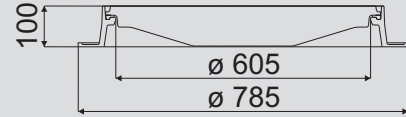
D400

E600



KDK7M

- | standard EN 124-2
- | height 100 mm
- | packing 20 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDK71	50 kg			No	Standard	Closed
KDK72	50 kg			Yes	Standard	Closed
KDK73	50 kg			No	Standard	Open
KDK74	50 kg			Yes	Standard	Open
		KEK75	67 kg	No	Quiet	Closed
		KEK76	67 kg	Yes	Quiet	Closed
		KEK77	67 kg	No	Quiet	Open
		KEK78	67 kg	Yes	Quiet	Open
KDK7M	50 kg			GRATE		Closed
KDK7N	50 kg			GRATE		Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDK7I	50 kg			No	Standard	Closed
KDK7J	50 kg			Yes	Standard	Closed
KDK7K	50 kg			No	Standard	Open
KDK7L	50 kg			Yes	Standard	Open
		KEK7Q	67 kg	No	Quiet	Closed
		KEK7R	67 kg	Yes	Quiet	Closed
		KEK7S	67 kg	No	Quiet	Open
		KEK7T	67 kg	Yes	Quiet	Open
KDK7U	50 kg			GRATE		Closed
KDK7V	50 kg			GRATE		Open

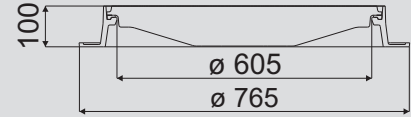
LIGHT CAST IRON FRAME

WITHOUT DIRT TRAP SEAT



KDLL73

- | standard EN 124-2
- | height 100mm
- | packing 20 pcs/pal
- | economical frame for minimum traffic load



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		TECHNICAL DESCRIPTION		
CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDLL71	46	No	Standard	Closed
KDLL72	46	Yes	Standard	Closed
KDLL73	46	No	Standard	Open
KDLL74	46	Yes	Standard	Open
KDLL7M	46	GRATE		Closed
KDLL7N	46	GRATE		Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		TECHNICAL DESCRIPTION		
CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDLL71	46	No	Standard	Closed
KDLL7J	46	Yes	Standard	Closed
KDLL7K	46	No	Standard	Open
KDLL7L	46	Yes	Standard	Open
KDLL7U	46	GRATE		Closed
KDLL7V	46	GRATE		Open

SELF-LEVELLING FRAME

WITHOUT DIRT TRAP SEAT

Europa 7

DN
600

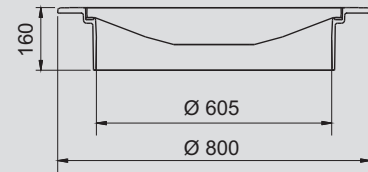
D400

E600



KDM73

- standard EN 124-2
- height 160 mm
- packing 14 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDM71	60 kg			No	Standard	Closed
KDM72	60 kg			Yes	Standard	Closed
KDM73	60 kg			No	Standard	Open
KDM74	60 kg			Yes	Standard	Open
KDM75		KEM75	76 kg	No	Quiet	Closed
		KEM76	76 kg	Yes	Quiet	Closed
		KEM77	76 kg	No	Quiet	Open
		KEM78	76 kg	Yes	Quiet	Open
KDM7M	60 kg			GRATE		Closed
KDM7N	60 kg			GRATE		Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDM7I	60 kg			No	Standard	Closed
KDM7J	60 kg			Yes	Standard	Closed
KDM7K	60 kg			No	Standard	Open
KDM7L	60 kg			Yes	Standard	Open
		KEM7Q	76 kg	No	Quiet	Closed
		KEM7R	76 kg	Yes	Quiet	Closed
		KEM7S	76 kg	No	Quiet	Open
		KEM7T	76 kg	Yes	Quiet	Open
KDM7U	60 kg			GRATE		Closed
KDM7V	60 kg			GRATE		Open

SELF-LEVELLING FRAME

WITH DIRT TRAP SEAT

Europa 7

DN
600

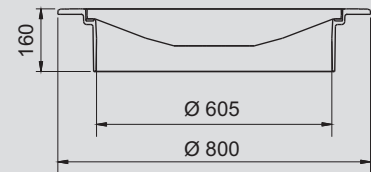
D400

E600



KEN7M

- standard EN 124-2
- height 160 mm
- packing 14 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

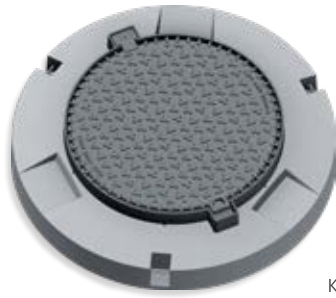
D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDN71	60 kg			No	Standard	Closed
KDN72	60 kg			Yes	Standard	Closed
KDN73	60 kg			No	Standard	Open
KDN74	60 kg			Yes	Standard	Open
		KEN75	76 kg	No	Quiet	Closed
		KEN76	76 kg	Yes	Quiet	Closed
		KEN77	76 kg	No	Quiet	Open
		KEN78	76 kg	Yes	Quiet	Open
KDN7M	60 kg			GRATE		Closed
KDN7N	60 kg			GRATE		Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDN7I	60 kg			No	Standard	Closed
KDN7J	60 kg			Yes	Standard	Closed
KDN7K	60 kg			No	Standard	Open
KDN7L	60 kg			Yes	Standard	Open
		KEN7Q	76 kg	No	Quiet	Closed
		KEN7R	76 kg	Yes	Quiet	Closed
		KEN7S	76 kg	No	Quiet	Open
		KEN7T	76 kg	Yes	Quiet	Open
KDN7U	60 kg			GRATE		Closed
KDN7V	60 kg			GRATE		Open

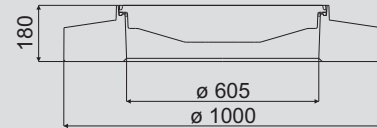
SPREADING FRAME 1000

WITHOUT DIRT TRAP SEAT



KDI71

- standard EN 124-2
- height 180 mm
- packing 6 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDI71	175 kg			No	Standard	Closed
KDI72	175 kg			Yes	Standard	Closed
KDI73	175 kg			No	Standard	Open
KDI74	175 kg			Yes	Standard	Open
		KEI75	191 kg	No	Quiet	Closed
		KEI76	191 kg	Yes	Quiet	Closed
		KEI77	191 kg	No	Quiet	Open
		KEI78	191 kg	Yes	Quiet	Open
KDI7M	175 kg			GRATE		Closed
KDI7N	175 kg			GRATE		Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDI7I	175 kg			No	Standard	Closed
KDI7J	175 kg			Yes	Standard	Closed
KDI7K	175 kg			No	Standard	Open
KDI7L	175 kg			Yes	Standard	Open
		KEI7Q	191 kg	No	Quiet	Closed
		KEI7R	191 kg	Yes	Quiet	Closed
		KEI7S	191 kg	No	Quiet	Open
		KEI7T	191 kg	Yes	Quiet	Open
KDI7U	175 kg			GRATE		Closed
KDI7V	175 kg			GRATE		Open

Version with dirt trap seat only on request

SPREADING FRAME 1200

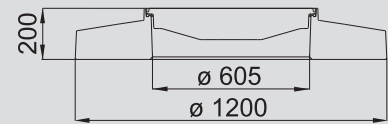
WITHOUT DIRT TRAP SEAT

Europa 7



KDG73

- standard EN 124-2
- height 200 mm
- packing 5 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDG71	295 kg			No	Standard	Closed
KDG72	295 kg			Yes	Standard	Closed
KDG73	295 kg			No	Standard	Open
KDG74	295 kg			Yes	Standard	Open
		KEG75	311 kg	No	Quiet	Closed
		KEG76	311 kg	Yes	Quiet	Closed
		KEG77	311 kg	No	Quiet	Open
		KEG78	311 kg	Yes	Quiet	Open
KDG7M	295 kg			GRATE		Closed
KDG7N	295 kg			GRATE		Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDG7I	295 kg			No	Standard	Closed
KDG7J	295 kg			Yes	Standard	Closed
KDG7K	295 kg			No	Standard	Open
KDG7L	295 kg			Yes	Standard	Open
		KEG7Q	311 kg	No	Quiet	Closed
		KEG7R	311 kg	Yes	Quiet	Closed
		KEG7S	311 kg	No	Quiet	Open
		KEG7T	311 kg	Yes	Quiet	Open
KDG7U	295 kg			GRATE		Closed
KDG7V	295 kg			GRATE		Open

Version with dirt trap seat only on request

CAST IRON FRAME WITHOUT DIRT TRAP SEAT

Europa 9

DN
600

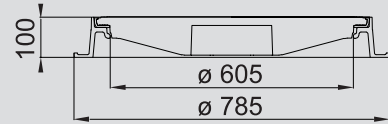
D400

E600



KDL91

- standard EN 124-2
- height 100 mm
- packing 16 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDL91	57 kg	KEL91	67 kg	No	Standard	Closed
KDL92	57 kg	KEL92	67 kg	Yes	Standard	Closed
KDL93	57 kg	KEL93	67 kg	No	Standard	Open
KDL94	57 kg	KEL94	67 kg	Yes	Standard	Open
		KEL95	69 kg	No	Quiet	Closed
		KEL96	69 kg	Yes	Quiet	Closed
		KEL97	69 kg	No	Quiet	Open
		KEL98	69 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDL9I	57 kg	KEL9I	67 kg	No	Standard	Closed
KDL9J	57 kg	KEL9J	67 kg	Yes	Standard	Closed
KDL9K	57 kg	KEL9K	67 kg	No	Standard	Open
KDL9L	57 kg	KEL9L	67 kg	Yes	Standard	Open
		KEL9Q	69 kg	No	Quiet	Closed
		KEL9R	69 kg	Yes	Quiet	Closed
		KEL9S	69 kg	No	Quiet	Open
		KEL9T	69 kg	Yes	Quiet	Open

CAST IRON FRAME WITH DIRT TRAP SEAT

Europa 9

DN
600

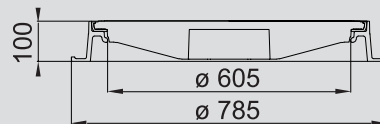
D400

E600



KDK94

- | standard EN 124-2
- | height 100 mm
- | packing 16 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDK91	57 kg	KEK91	67 kg	No	Standard	Closed
KDK92	57 kg	KEK92	67 kg	Yes	Standard	Closed
KDK93	57 kg	KEK93	67 kg	No	Standard	Open
KDK94	57 kg	KEK94	67 kg	Yes	Standard	Open
		KEK95	69 kg	No	Quiet	Closed
		KEK96	69 kg	Yes	Quiet	Closed
		KEK97	69 kg	No	Quiet	Open
		KEK98	69 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDK9I	57 kg	KEK9I	67 kg	No	Standard	Closed
KDK9J	57 kg	KEK9J	67 kg	Yes	Standard	Closed
KDK9K	57 kg	KEK9K	67 kg	No	Standard	Open
KDK9L	57 kg	KEK9L	67 kg	Yes	Standard	Open
		KEK9Q	69 kg	No	Quiet	Closed
		KEK9R	69 kg	Yes	Quiet	Closed
		KEK9S	69 kg	No	Quiet	Open
		KEK9T	69 kg	Yes	Quiet	Open

CONCRETE-CASTING FRAME

WITHOUT DIRT TRAP SEAT

Europa 9

DN
600

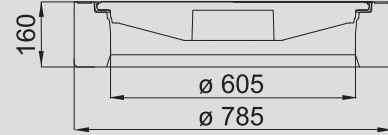
D400

E600



KDB93

- | standard EN 124-2
- | height 160 mm
- | packing 10 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDB91	116 kg	KEB91	126 kg	No	Standard	Closed
KDB92	116 kg	KEB92	126 kg	Yes	Standard	Closed
KDB93	116 kg	KEB93	126 kg	No	Standard	Open
KDB94	116 kg	KEB94	126 kg	Yes	Standard	Open
		KEB95	128 kg	No	Quiet	Closed
		KEB96	128 kg	Yes	Quiet	Closed
		KEB97	128 kg	No	Quiet	Open
		KEB98	128 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDB9I	116 kg	KEB9I	126 kg	No	Standard	Closed
KDB9J	116 kg	KEB9J	126 kg	Yes	Standard	Closed
KDB9K	116 kg	KEB9K	126 kg	No	Standard	Open
KDB9L	116 kg	KEB9L	126 kg	Yes	Standard	Open
		KEB9Q	128 kg	No	Quiet	Closed
		KEB9R	128 kg	Yes	Quiet	Closed
		KEB9S	128 kg	No	Quiet	Open
		KEB9T	128 kg	Yes	Quiet	Open

CONCRETE-CASTING FRAME

WITH DIRT TRAP SEAT

Europa 9

DN
600

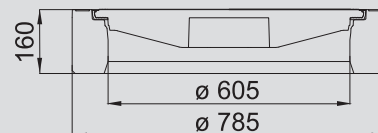
D400

E600



KDA94

- | standard EN 124-2
- | height 160 mm
- | packing 10 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDA91	116 kg	KEA91	126 kg	No	Standard	Closed
KDA92	116 kg	KEA92	126 kg	Yes	Standard	Closed
KDA93	116 kg	KEA93	126 kg	No	Standard	Open
KDA94	116 kg	KEA94	126 kg	Yes	Standard	Open
		KEA95	128 kg	No	Quiet	Closed
		KEA96	128 kg	Yes	Quiet	Closed
		KEA97	128 kg	No	Quiet	Open
		KEA98	128 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDA9I	116 kg	KEA9I	126 kg	No	Standard	Closed
KDA9J	116 kg	KEA9J	126 kg	Yes	Standard	Closed
KDA9K	116 kg	KEA9K	126 kg	No	Standard	Open
KDA9L	116 kg	KEA9L	126 kg	Yes	Standard	Open
		KEA9Q	128 kg	No	Quiet	Closed
		KEA9R	128 kg	Yes	Quiet	Closed
		KEA9S	128 kg	No	Quiet	Open
		KEA9T	128 kg	Yes	Quiet	Open

SELF-LEVELLING FRAME

WITHOUT DIRT TRAP SEAT

Europa 9

DN
600

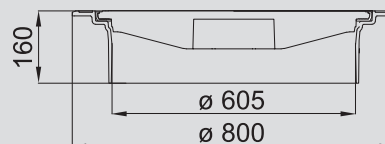
D400

E600



KEM95

- | standard EN 124-2
- | height 160 mm
- | packing 14 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDM91	68 kg	KEM91	78 kg	No	Standard	Closed
KDM92	68 kg	KEM92	78 kg	Yes	Standard	Closed
KDM93	68 kg	KEM93	78 kg	No	Standard	Open
KDM94	68 kg	KEM94	78 kg	Yes	Standard	Open
		KEM95	80 kg	No	Quiet	Closed
		KEM96	80 kg	Yes	Quiet	Closed
		KEM97	80 kg	No	Quiet	Open
		KEM98	80 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDM9I	68 kg	KEM9I	78 kg	No	Standard	Closed
KDM9J	68 kg	KEM9J	78 kg	Yes	Standard	Closed
KDM9K	68 kg	KEM9K	78 kg	No	Standard	Open
KDM9L	68 kg	KEM9L	78 kg	Yes	Standard	Open
		KEM9Q	80 kg	No	Quiet	Closed
		KEM9R	80 kg	Yes	Quiet	Closed
		KEM9S	80 kg	No	Quiet	Open
		KEM9T	80 kg	Yes	Quiet	Open

SELF-LEVELLING FRAME HEAVY

WITHOUT DIRT TRAP SEAT

Europa 9

DN
600

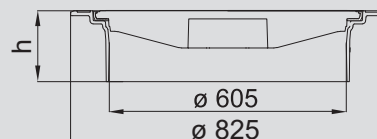
D400

E600



KEMH97

- | standard EN 124-2
- | height 160/180/200 mm
- | packing 14 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDMH91	72 kg	KEMH91	82 kg	No	Standard	Closed
KDMH92	72 kg	KEMH92	82 kg	Yes	Standard	Closed
KDMH93	72 kg	KEMH93	82 kg	No	Standard	Open
KDMH94	72 kg	KEMH94	82 kg	Yes	Standard	Open
		KEMH95	84 kg	No	Quiet	Closed
		KEMH96	84 kg	Yes	Quiet	Closed
		KEMH97	84 kg	No	Quiet	Open
		KEMH98	84 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDMH9I	72 kg	KEMH9I	82 kg	No	Standard	Closed
KDMH9J	72 kg	KEMH9J	82 kg	Yes	Standard	Closed
KDMH9K	72 kg	KEMH9K	82 kg	No	Standard	Open
KDMH9L	72 kg	KEMH9L	82 kg	Yes	Standard	Open
		KEMH9Q	84 kg	No	Quiet	Closed
		KEMH9R	84 kg	Yes	Quiet	Closed
		KEMH9S	84 kg	No	Quiet	Open
		KEMH9T	84 kg	Yes	Quiet	Open

ALTERNATIVE HEIGHTS OF FRAMES:	CODE	WEIGHT	PACKING
Height frame 180 mm	KDMM9*	+ 2 kg	14 pcs/pal
Height frame 200 mm	KDMN9*	+ 4 kg	12 pcs/pal

SELF-LEVELLING FRAME HEAVY WITH DIRT TRAP SEAT

Europa 9

DN
600

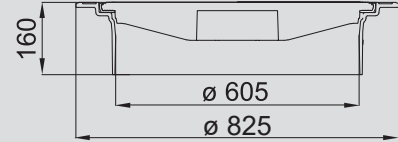
D400

E600



KENH9S

- | standard EN 124-2
- | height 160/180/200mm
- | packing 14 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDNH91	72 kg	KENH91	82 kg	No	Standard	Closed
KDNH92	72 kg	KENH92	82 kg	Yes	Standard	Closed
KDNH93	72 kg	KENH93	82 kg	No	Standard	Open
KDNH94	72 kg	KENH94	82 kg	Yes	Standard	Open
		KENH95	84 kg	No	Quiet	Closed
		KENH96	84 kg	Yes	Quiet	Closed
		KENH97	84 kg	No	Quiet	Open
		KENH98	84 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDNH9I	72 kg	KENH9I	82 kg	No	Standard	Closed
KDNH9J	72 kg	KENH9J	82 kg	Yes	Standard	Closed
KDNH9K	72 kg	KENH9K	82 kg	No	Standard	Open
KDNH9L	72 kg	KENH9L	82 kg	Yes	Standard	Open
		KENH9Q	84 kg	No	Quiet	Closed
		KENH9R	84 kg	Yes	Quiet	Closed
		KENH9S	84 kg	No	Quiet	Open
		KENH9T	84 kg	Yes	Quiet	Open

ALTERNATIVE HEIGHTS OF FRAMES:

	CODE	WEIGHT	PACKING
Height frame 180 mm	KDNM9*	+ 2 kg	14 pcs/pal
Height frame 200 mm	KDNN9*	+ 4 kg	12 pcs/pal

SPREADING FRAME 1000

WITHOUT DIRT TRAP SEAT

Europa 9

DN
600

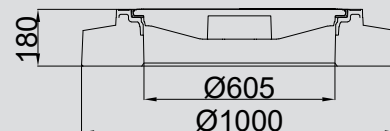
D400

E600



KDI93

- | standard EN 124-2
- | height 180 mm
- | packing 6 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDI91	209 kg	KEI91	219 kg	No	Standard	Closed
KDI92	209 kg	KEI92	219 kg	Yes	Standard	Closed
KDI93	209 kg	KEI93	219 kg	No	Standard	Open
KDI94	209 kg	KEI94	219 kg	Yes	Standard	Open
		KEI95	221 kg	No	Quiet	Closed
		KEI96	221 kg	Yes	Quiet	Closed
		KEI97	221 kg	No	Quiet	Open
		KEI98	221 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDI9I	209 kg	KEI9I	219 kg	No	Standard	Closed
KDI9J	209 kg	KEI9J	219 kg	Yes	Standard	Closed
KDI9K	209 kg	KEI9K	219 kg	No	Standard	Open
KDI9L	209 kg	KEI9L	219 kg	Yes	Standard	Open
		KEI9Q	221 kg	No	Quiet	Closed
		KEI9R	221 kg	Yes	Quiet	Closed
		KEI9S	221 kg	No	Quiet	Open
		KEI9T	221 kg	Yes	Quiet	Open

Version with dirt trap seat only on request

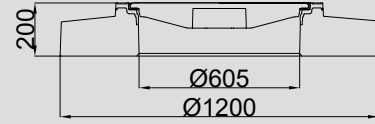
SPREADING FRAME 1200

WITHOUT DIRT TRAP SEAT



KDG95

- | standard EN 124-2
- | height 200 mm
- | packing 5 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDG91	326 kg	KEG91	336 kg	No	Standard	Closed
KDG92	326 kg	KEG92	336 kg	Yes	Standard	Closed
KDG93	326 kg	KEG93	336 kg	No	Standard	Open
KDG94	326 kg	KEG94	336 kg	Yes	Standard	Open
		KEG95	338 kg	No	Quiet	Closed
		KEG96	338 kg	Yes	Quiet	Closed
		KEG97	338 kg	No	Quiet	Open
		KEG98	338 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDG9I	326 kg	KEG9I	336 kg	No	Standard	Closed
KDG9J	326 kg	KEG9J	336 kg	Yes	Standard	Closed
KDG9K	326 kg	KEG9K	336 kg	No	Standard	Open
KDG9L	326 kg	KEG9L	336 kg	Yes	Standard	Open
		KEG9Q	338 kg	No	Quiet	Closed
		KEG9R	338 kg	Yes	Quiet	Closed
		KEG9S	338 kg	No	Quiet	Open
		KEG9T	338 kg	Yes	Quiet	Open

Version with dirt trap seat only on request

CASTING FLAT FRAME

WITH DIRT TRAP SEAT

Europa 9

DN 600

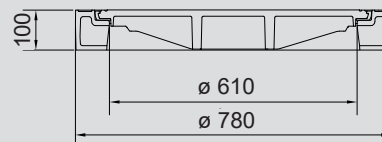
D400

E600



KDR93

- | standard EN 124-2
- | height 100 mm
- | packing 16 pcs/pal



WITHOUT SHELL-SHAPED MANIPULATION OPENING

D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDR93	71 kg	KER93	81 kg	No	Standard	Open
KDR94	71 kg	KER94	81 kg	Yes	Standard	Open
		KER97	83 kg	No	Quiet	Open
		KER98	83 kg	Yes	Quiet	Open

WITH SHELL-SHAPED MANIPULATION OPENING

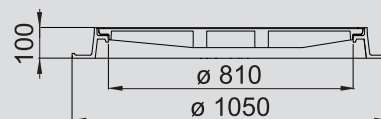
D400		E600		TECHNICAL DESCRIPTION		
CODE	WEIGHT	CODE	WEIGHT	VENTILATION	DESIGN	HINGE
KDR9K	71 kg	KER9K	81 kg	No	Standard	Open
KDR9L	71 kg	KER9L	81 kg	Yes	Standard	Open
		KER9S	83 kg	No	Quiet	Open
		KER9T	83 kg	Yes	Quiet	Open

CAST IRON FRAME WITHOUT DIRT TRAP SEAT



K8DL95C

- | standard EN 124-2
- | height 100 mm
- | packing 8 pcs/pal
- | black paint



WITH SHELL-SHAPED MANIPULATION OPENING

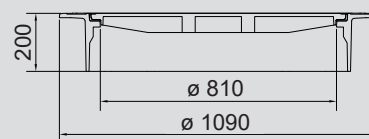
D400		TECHNICAL DESCRIPTION		
CODE	WEIGHT	VENTILATION	DESIGN	HINGE
K8DL95C	142 kg	No	Quiet	Closed
K8DL96C	140 kg	Yes	Quiet	Closed
K8DL97C	142 kg	No	Quiet	Open
K8DL98C	140 kg	Yes	Quiet	Open

SELF-LEVELLING FRAME WITHOUT DIRT TRAP SEAT



K8DM95C

- | standard EN 124-2
- | height 160 mm
- | packing 6 pcs/pal
- | black paint



WITH SHELL-SHAPED MANIPULATION OPENING

D400		TECHNICAL DESCRIPTION		
CODE	WEIGHT	VENTILATION	DESIGN	HINGE
K8DM95C	179 kg	No	Quiet	Closed
K8DM96C	177 kg	Yes	Quiet	Closed
K8DM97C	179 kg	No	Quiet	Open
K8DM98C	177 kg	Yes	Quiet	Open



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