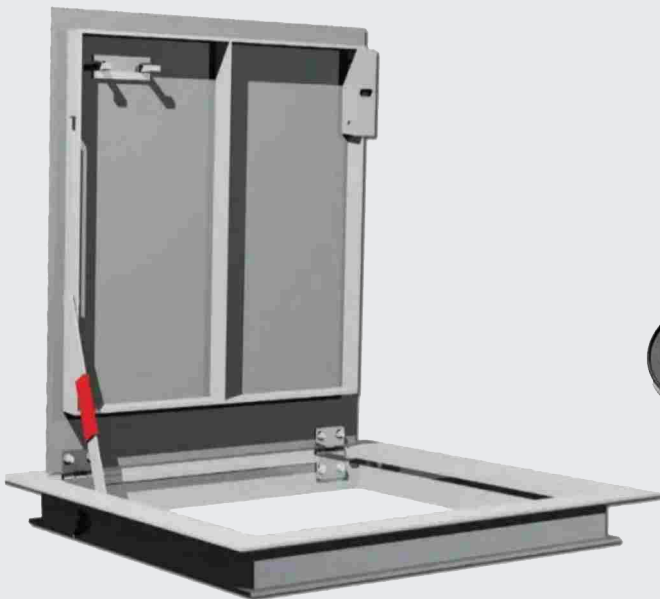
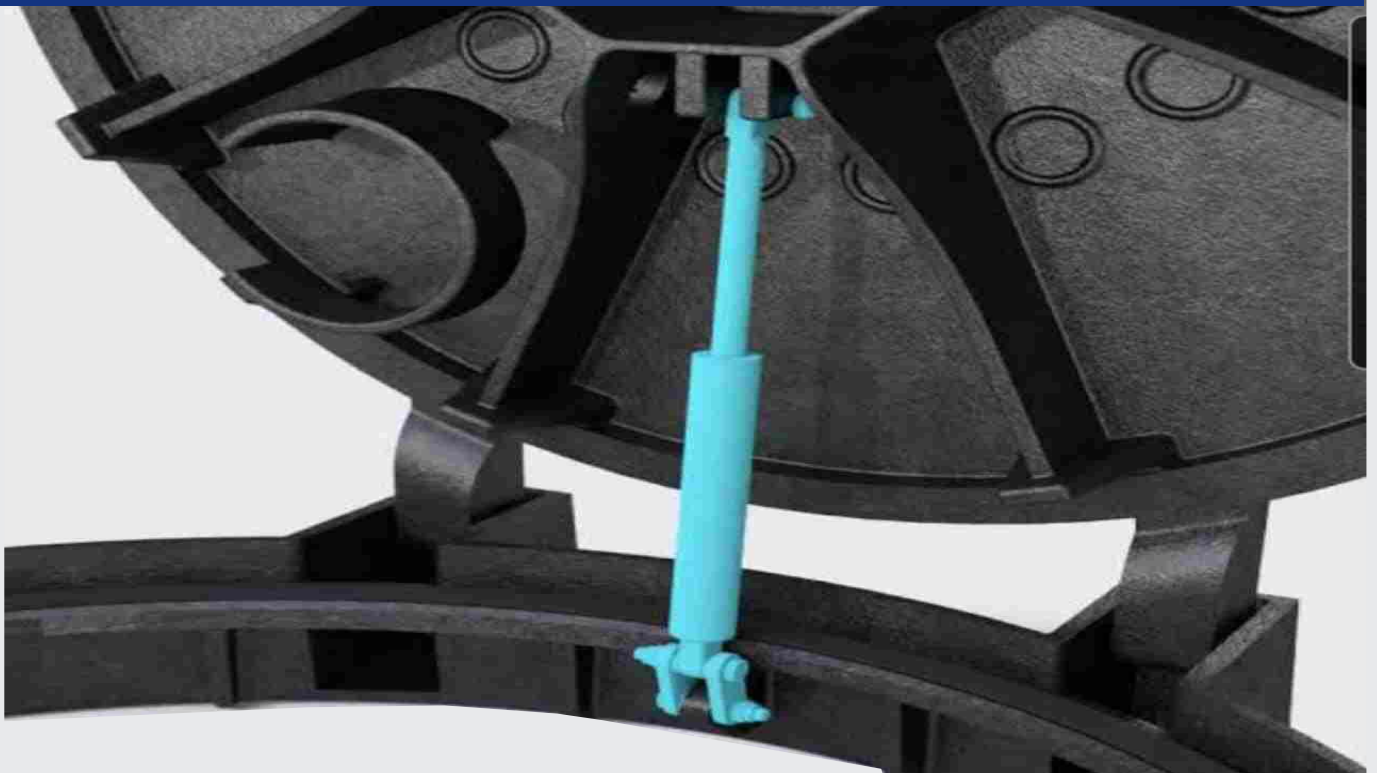


KAJ®

kajworld.com

Email : info@kajworld.com

HINGED SOLID TOP MANHOLE COVER



1022 FRAME & COVER

Type	Type of frame	Reference	Mass (in kg)		Dimensions mm	
			Total	Cover	Clear opening	Frame depth
Non-ventilated	Round	CDPA60EF	88	55	610	100
Non-ventilated	Square	CDPA60MF	97	55	610	100
Ventilated	Round	CDPA60FF	87	54	610	100
Ventilated	Square	CDPA60PF	96	54	610	100



MEGACITY SAFETY

Opens to 130°, blocks at 90° when closing
 ● for sewage pipe works

Type	Type of frame	Reference	Ass (in kg)		Dimensions mm	
			Total	Cover	Clear Opening	Frame Depth
Non-ventilated	Round	CDPA60AF	88	55	610	100
Non-ventilated	Square	CDPA60KF	97	55	610	100
Ventilated	Round	CDPA60BF	87	54	610	100
Ventilated	Square	CDPA60LF	96	54	610	100



MEGACITY OPERATION

Opens to 130°, without blocking at 90° when closing
 ● for pipe works inspection from road surface

Type	Type of frame	Reference	Mass (in kg)		Dimensions mm	
			Total	Cover	Clear opening	Frame depth
Non-ventilated	Round	CDPA60GL	108	75	610	100
Non-ventilated	Square	CDPA60WF	117	75	610	100



MEGACITY SAFETY WITH CONCRETE INFILLED COVER

Opens to 130°, blocks at 90° when closing
 ● for sewage pipe works
 ● cover appearance matches paved surrounding areas
 ● operation conditions identical to any other MEGACITY versions

Type	Type of frame	Reference	Mass (in kg)		Dimensions mm	
			Total	Cover	Clear opening	Frame depth
Safety						
Non-ventilated	apparent	CDPA603F	132	55	610	160
Ventilated	apparent	CDPA604F	131	54	610	160



MEGACITY WITH APPARENT FRAME

Frame designed for easy cobble and paving installation (height= 160 mm)
 ● for paved and pedestrian streets

- The MEGACITY grating is interchangeable with any cover of MEGACITY 600 series
- The MEGACITY grating is interchangeable with any cover. (see page 00)
- Special versions of MEGACITY fitted with a water-tightness plug are also available. Please consult us.
- MEGACITY accessories, see page 00.

WIDE CLEAR_OPENING MANHOLE COVERS

700 SAFETY

- Ductile iron
- Class D400
- Hinged
- Clear opening: 700 mm
- Elastomer ring
- Sealed handling box
- Optional anti-theft cover lock
- Lifting rings integral with frame
- EN 124



Type	Type of frame	Reference	Mass (in kg)		Dimensions mm	
			Total	Cover	Clear opening	Frame depth
Non-ventilated	Round	CDPA70EF	108	71	700	100
Non-ventilated	Square	CDPA70MF	118	71	700	100
Ventilated	Round	CDPA70FF	108	71	700	100
Ventilated	Square	CDPA70PF	118	71	700	100

MEGACITY 700 has the same functional features as MEGACITY 600 (see pages 00 and 00). Access is made through a wide 700-mm opening specifically designed for systems requiring special safety conditions for

WIDE CLEAR-OPENING MANHOLE COVERS

800 SAFETY

- Megacity 800 provides easy opening, while continuing to offer the high performance levels of the successful Megacity 600 mm and 700 mm clear opening designs

The 800 mm clear opening enables maintenance personnel to enter the manhole with their safety equipment,



Type	Type of frame	Reference	Mass (in kg)		Dimensions mm	
			Total	Cover	Clear opening	Frame depth
Non-ventilated	Round	CDPA80EF	121	73	800	125
Non-Ventilated	Round	CDPA80MF	131	73	800	125
Ventilated	Round	CDPA80FF	121	72	800	125
Ventilated	Square	CDPA80PF	131	72	800	125

WIDE CLEAR_OPENING MANHOLE COVERS

800 SAFETY

- This version has the same features as the Megacity 800 standard version. The lifting effort and the stresses transmitted to the chamber are reduced with its assistance stainless steel gas arm. This product is systematicall fitted with SCS locking system.



Megacity 900 available
on request.

Type	Type of frame	Reference	Mass (in kg)		Dimensions mm	
			Total	Cover	Clear opening	Frame depth
Non-ventilated	Round	CDPA80EFX37	121	73	800	125
Non-ventilated	Square	CDPA80MPX37	131	73	800	125
Ventilated	Round	CDPA80FFX37	121	73	800	125
Ventilated	Square	CDPA80PFX37	131	73	800	125

VIATOP NIVEAU

- Heavy traffic** ■ Ductile iron manhole cover
Hinged with 90° Blocking
Class D400 Height adjustable
Elastomer noise damper ring.
Clear opening: 610 mm or 700 mm
EN 124
- Cover always perfectly lined up with the surface of the carriage way after compacting.
 - No load applied directly on the concrete chamber.



600 H 200

Type	Type of frame	Reference	Mass (in kg)		Dimensions mm			Concrete Filled Cover
			Total	Cover	Clear opening	Frame overall	Frame depth	
Ventilated	Round	CDVT60RG	98	49	610	815	200	
Non-Ventilated	Round	CDVT60QG	99	51	610	815	200	
Ventilated	Round	CDVT60TG	122	72	610	815	200	x
Non-Ventilated	Round	CDVT60SG	123	73	610	815	200	x

600 H 140

Ventilated	Round	CDVT60RGX40	83	49	610	815	140
Non-Ventilated	Round	CDVT60OGX40	84	51	610	815	140

700 H 200

Ventilated	Round	CDVT70RU	122	71	725	930	200
Non-Ventilated	Round	CDVT70QU	122	71	725	930	200

D 400

- Ductile iron
- Class D 400
- Hinged
- Composite ring
- Sealed handling box
- Spring bar
- Optional anti-theft spline / Optional anti-instruction lock



ERGONOMICS ++++

Safe and effortless handling thanks to the ball-joint hinge.
Effortless unlocking and opening of cover with pickaxe point

STRENGTH ++++

New frame and ribs design prevent the deformation of the KORUM under intense traffic conditions

OPERATION ++++

The hinge blocks at 90° when closing and ensures operating safety..

STABILITY ++++

The spring locking mechanism under constant tension locks the KORUM cover in place in its frame in complete safety

FRAME & COVER



Ductile iron anti-theft spline

Prevent the cover from being extracted and stolen. It can be bedding of the frame.

Note: accessories are yellow painted for illustration purpose



Anti-intrusion lock:

The new locks D50, features a ductile cast iron bar, with high resistance to vandalism attempts.

Type	Type of frame	Spline	Lock type D50	Reference	Mass (in kg)		Dimensions mm	
					Total	Cover	Clear opening	Frame depth
Non ventilated	round	no	no	CDKO60EF	62	38	606	104
Non ventilated	square	no	no	CDKO60MF	69	38	606	104
Ventilated	round	no	no	CDKO60FF	62	38	606	104
Ventilated	square	no	no	CDKO60PF	69	38	606	104
Non ventilated	round	yes	no	CDKO60EFX17	62	38	606	104
Non ventilated	square	yes	no	CDKO60MFX17	69	38	606	104
Ventilated	round	yes	no	CDKO60FFX17	62	38	606	104
Ventilated	square	yes	no	CDKO60PFX17	69	38	606	104
Non ventilated	round	no	yes	CDKO60EFX15*	62	38	606	104
Non ventilated	square	no	yes	CDKO60MFX15*	69	38	606	104
Ventilated	round	no	yes	CDKO60FFX15*	62	38	606	104
Ventilated	square	no	yes	CDKO60PFX15*	69	38	606	104
Non ventilated	round	yes	yes	CDKO60EFX31*	62	38	606	104
Non ventilated	square	yes	yes	CDKO60MFX31*	69	38	606	104
Ventilated	round	yes	yes	CDKO60FFX31*	62	38	606	104
Ventilated	square	yes	yes	CDKO60PFX31*	69	38	606	104

* for the locked version, please ordered the locking key (ref: C46) separatly

KIT D50 FOR KORUM

Model	Reference
Kit without handling key	C47
Handling key	C46

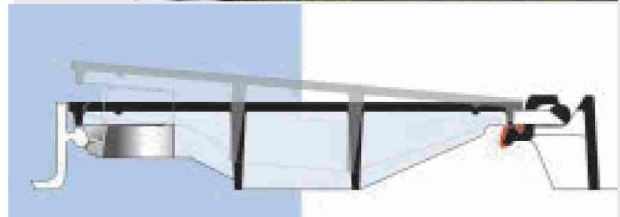
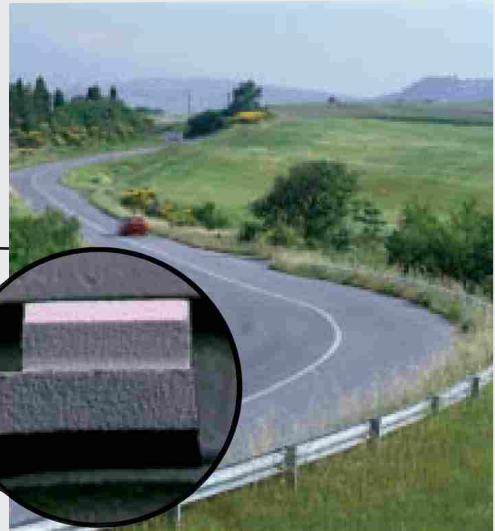
ANTI-THEFT SPLINE

Model	Reference
Anti-theft spline	170900
Kit of 10 splines	C59

D 400

New access cover

- Ductile iron
Class D 400
Automatic locking by ductile iron spring bar
Hinged cover with 90° safety blocking
Optional anti-theft spline and locking style
EN124



Performance enhancement Composite vs PE ring:

- Resistance under traffic: x 2.6
- Resistance to breaking: + 70%
- Resistance to abrasion: x 3

- Stability and safety under traffic ensured by ductile iron spring bar.
- Automatic system secure and stable.

THE BEST OF EXPERIENCE

Representing a new generation of carriageways manhole covers, REXESS combines the innovation of its spring locking mechanism requiring no accessories with easy opening, stability, safety and silence.

STRENGTH +++

The completely new design of RECESS gives a double guarantee on performance and long service life.

Optimized geometry of the cover: rigidity and strength to withstand the stress of usual carriageway's traffic.

Fully mastered frame profiles: perfect seating on shafts, effective and durable bedding.

STABILITY +++

The spring locking mechanism provide RECESS with remarkable dynamic stability:

3 contact points: the hinge, the locking mechanism and the ring ensure vertical stability of the cover in the frame.

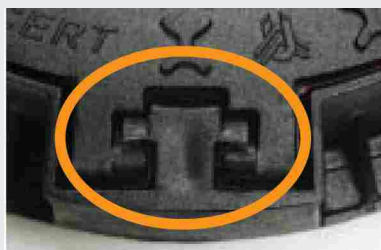
Permanent contact between the locking mechanism and the cover positioning lugs ensure horizontal stability.

The locking mechanism keeps the cover held against the sound-proofing ring: the cover is prevented from rocking and complete silence is ensured.

OPERATION +++

- Easy opening: using suggested tools, a lever effect in the handling box frees the spring locking mechanism and release the manhole cover.
- Easy lifting once unlocked: the hinge reduces the force required to open the cover by half. For completely ergonomic handling the central pad in the cover can be pushed in, and reclosed using the special plug (optional).
- Easy locking when closing: the cover can be locked without requiring any accessories, by simply pressing with the foot. If it is left unlocked automatically as soon as the first vehicle crossed it.

PROTECTION OF THE OPERATIONS



THE RECESS RANGE

	Round frame 785	Reference	Mass (in kg)		Dimensions mm	
			Total	Cover	Clear opening	Frame depth
	Non-Ventilated	CDRK60FYX44	54.3	31.5	600	104
	Ventilated	CDRK60EYX44	54.3	31.5		

	Round frame 900	Reference	Mass (in kg)		Dimensions mm	
			Total	Cover	Clear opening	Frame depth
	Non-ventilated	CDRK60FY	55.8	31.5	600	104
	Ventilated	CDRK60EY	55.8	31.5		

	Square Frame 850	Reference	Mass (in kg)		Dimensions mm	
			Total	Cover	Clear opening	Frame depth
	Non-Ventilated	CDRK60MY	65.0	31.5	600	100
	Ventilated	CDRK60PY	65.0	31.5		

The hinge of the cover has been designed to receive an anti theft spline. It blocks the extraction of the cover.
Benware : The anti-theft spline disables the 90° blocking function.

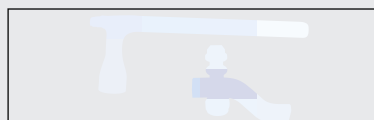
ANTI-THEFT SPLINE FOR REXESS, REXEL AND REXEL GRATING



ANTI-THEFT SPLINE

Model	Reference
Kit of 10 splines	C82
Box of 132 splines	C81

LOCKING KITS FOR REXESS, REXEL, G-TEX AND REXEL GRATING



KIT "PENTA"

Locking clip in stainless steel

Model	Reference
Kit without handling key	C10

KIT "SCS"

Locking clip in stainless steel

Model	Reference
Kit without handling key	C12

B 125

■ Class B125

- Automatic locking by spring bar
- Hinged cover, opens to 115°
- Optional locking systems
- Optional cover anti theft spline
- En124



Type	Type of frame	Reference	Mass (in kg)		Dimensions mm		
			Total	Cover	Frame Overall	Clear Opening	Frame Depth
Ventilated	Round	CBTE60DU	46	26	785	600	100
Non-Ventilated	Round	CBTE60EU	46	26	785	600	100

D 400

■ Hinge built into the basic version:

- Flat lifting by two operators
- Articulated : Opening by an operator
- Very simple 90° blocking (releasing)

All Iron frame:

- Ductile iron frame welded by robots
- Total height 120 mm

Safety or opening assistance kits:

- To be mounted on the site after installation of the duct cover
- The structure requires no preparation
- Installed with a limited number of tools : hammer; wrench 19 mm



- (1) If assistance is required for all covers, order 2 kits for a K2C duct cover and 3 for a K3C duct cover
- (2) Other locks are developed for special work sites or specific operators.

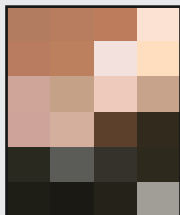
REXEL GRATING

- Ductile iron
- Class D 400
- Automatic locking by ductile iron spring bar (patented system)
- Hinge
- Unlocking box
- Optional anti-theft grate locking
- Rexel grate is interchangeable with cover
- EN 124

The REXEL grating is specially designed to withstand medium-density traffic. Its design ensures performance, long-life and stability.



Frame	Reference	Mass kg		Dimensions mm		Waterway area dm ²
		Total	Grating	Clear opening	Frame depth	
Circular	EDRX60BF	57	32	600	100	11.9
Square	EDRX60DF	65	32	600	100	11.9

**LOCKING KITS**

See page 17

PAYSAGE GRATING

- Ductile iron
- Class C 250
- Polyethylene ring
- Interchangeable with PAYSAGE cover
- EN 124

The PAYSAGE grating is installed on shafts sited in traffic-free locations.

The concave shape of the concentric bars optimizes multi-directional collection.



Frame	Reference	Mass kg		Dimensions mm		Waterway area dm ²
		Total	Grating	Clear opening	Frame depth	
Circular	ECPY60BF	55	36	600	75	13.5
Square	ECPY60DF	62				

C250

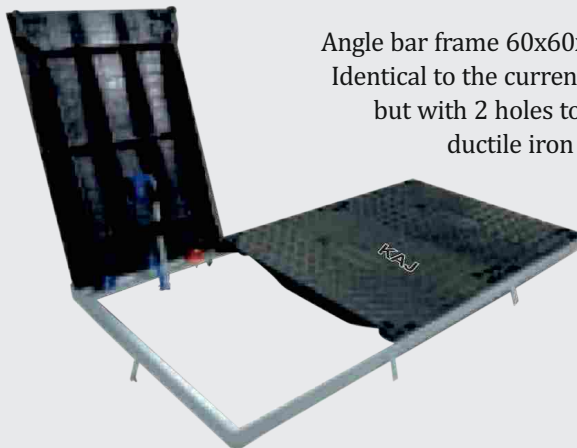
Standard component:

- Addition functions with kits to be installed on site
- Simple, reliable and patented technical solutions

2 covers C 250 with standard format*

- Covers interchangeable with old generation covers
- Optimized 900 x 633 mm: 61 kg instead of 80 kg
- 633 x 495 mm: 26 kg instead of 36 kg
- Equipped in factory of soundproofing pads

* Single covers also available in classes C 250 AND B 125



Angle bar frame 60x60x6 mm.
Identical to the current frame
but with 2 holes to fix the
ductile iron hinges.

Reference with telecom logo	Reference without logo	Chamber type	Nr of covers	C.O./mm	Weight/kg	Packing
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C250 type L1T to L4T – Optimized steel angle bar frame and ductile iron covers

DCL1TMIXTEL	DCL1TMIX	L1T	1	527 x 389	38.3	5
DCL2TMIXTEL	DCL2TMIX	L2T	2	1161 x 389	71.7	5
DCL3TMIXTEL	DCL3TMIX	L3T	3	1381 x 527	101.3	5
DCL4TMIXTEL	DCL4TMIX	L4T	4	1876 x 527	132.6	5
DC1LTMIXTEL	DC1LTMIX	1/2L4T	2	884 x 527	69.9	5

DCP2MIXTEL	DCP2TMIX	P2T	2	1161 x 884	146.7	5
DCL5MIXTEL	DCL5TMIX	L5T	3	1795 x 884		
DCL6MIXTEL	DCL6TMIX	L5T	4	2429 x 884		
DCM2MIXTEL	DCM2TMIX	M2T	5	3062 x 884	350.8	5

L1T	1 kit D29	0	P2T	kit D31 1	1 kit D32	
L2T & 1/2 L 4T	1 kit D29	1 kit D30	L2T	2 kits D31	1 kit D32	
L3T	1 kit D29	2 kits D30	L6T	2 kits D31	2 kits D32	
L4T	2 kits D29	2 kits D30	M2T	3 kits D31	2 kits D32	