



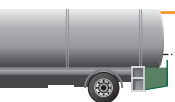


	PRODUCT CODE	CLEAR OPENING (mm)	OVERALL SIZE (mm)	OVERALL DEPTH (mm)
PEDESTRIAN				
	PC2AG	300 x 300	363 x 363	23
	PC5AG	450 x 450	513 x 513	23
	PC6A G	600 x 450	663 x 663	23
5 TONNE GPW				
	PC2BG	300 x 300	363 x 363	23
	PC5BG	450 x 450	513 x 513	23
	◆PC6BG	600 x 450	663 x 513	23
	◆PC7BG	600 x 600	663 x 663	23
10 TONNE GPW				
	PC2CG	300 x 300	363 x 363	23
	PC5CG	450 x 450	513 x 513	23
	PC6CG	600 x 450	663 x 513	23
	PC7CG	600 x 600	663 x 663	23
17 TONNE GPW				
	PC5DG	450 x 450	513 x 513	23
	◆PC6DG	600 x 450	663 x 513	23
	◆PC7DG	600 x 600	663 x 663	23
25 TONNE GPW				
	PC5EG	450 x 450	513 x 513	23
	PC6EG	600 x 450	663 x 513	23

THESE PRODUCTS ARE SUPPLIED SEALED AND LOCKING AS STANDARD

- ◆ - England and Wales
- ◆ - Scotland

	PRODUCT CODE	CLEAR OPENING (mm)	OVERALL SIZE (mm)	OVERALL DEPTH (mm)
PEDESTRIAN				
	PC5A G3	450 x 450	513 x 513	23
5 TONNE GPW				
	PC5BG3	450 x 450	513 x 513	23
	◆PC6BG3	600 x 450	663 x 513	23
10 TONNE GPW				
	PC6CG3	600 x 450	663 x 513	23
	PC7CG3	600 x 600	663 x 663	23

SQUARE TO ROUND ACCESS COVERS

REVOLUTIONARY SQUARE-TO-ROUND RECESSED COVER

Quick and easy to install

Cover can be turned to match
direction of paving

Circular opening in frame fits all
major PPIC inspection chambers

Eliminates the need to cut
paving round a circular opening

Guaranteed interchangeability

Galvanised to BS EN 1461

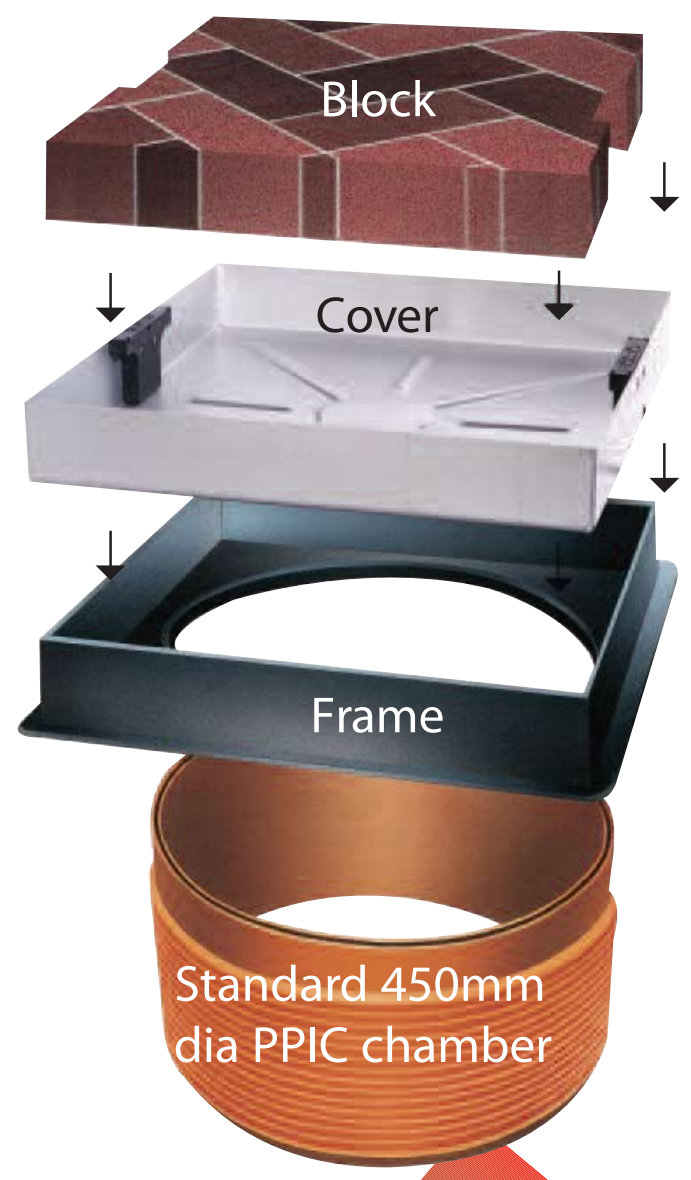
Integral lifting keys

APPLICATION

For the last 15 years all newly built houses have had circular plastic inspection chambers installed. The CLKS 450 SR enables the frame to be easily connected to the top of the circular chamber. To be supplied where new block paving is being installed and PPIC inspection chambers are being used.

new!
BUILD

FOR 450 MM INSPECTION CHAMBERS



As used by Marshalls approved landscape contractors and driveway installers.

RECESSED BLOCK PAVIOR

THE UK'S NO.1 BLOCK PAVIOR MANHOLE COVER AND FRAME



**38T GPW BLOCK PAVIORS
NOW AVAILABLE**

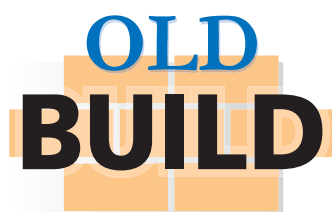
- 600 x 600 x 100mm
- 750 x 600 x 100mm
- 750 x 750 x 100mm
- 900 x 600 x 100mm
- 900 x 900 x 100mm

◆ - England and W ales ◆ - Scotland
 □ Now supplied with integral lifting keys
 Sealed and locking, can be supplied on request

PLASTIC FRAME

PRODUCT CODE	CLEAR OPENING (mm)	DEPTH (mm)	OVERALL SIZE (mm)	LOADING GPW
◆◆□CLKS 450SR	450	80	580 x 580 x 93	10T GPW
*□CLKS 450SR/46SL	450	46	580 x 580 x 55	10T GPW

6TH GENERATION RECESSED BLOCK PAVIOR MANHOLE COVER AND FRAME



APPLICATION

Primarily for renovation and replacement of manhole covers on properties that are generally over 15 years old.

PRODUCT CODE	CLEAR OPENING SIZE (mm)	OVERALL SIZE (mm)	LOADING GPW
◆◆□CLKS 790R	600 x 450 x 80	740 x 590 x 98	10T GPW
◆◆□CLKS 791R	600 x 600 x 80	740 x 740 x 98	10T GPW
□CLKS 790R/100	600 x 450 x 100	700 x 550 x 105	10T GPW
□CLKS 791R/100	600 x 600 x 100	700 x 700 x 105	10T GPW
□CLKS 790R/46	600 x 450 x 46	740 x 590 x 55	10T GPW
□CLKS 793R	750 x 600 x 80	850 x 700 x 105	10T GPW

RECESS FOR SHALLOW INSPECTION CHAMBER



NEW
Polypropylene
Cover
and Frame!



REVOLUTIONARY SQUARE-TO-ROUND RECESSED COVER AND FRAME

In the last 15 years all newly built houses have had circular plastic inspection chambers installed. Following extensive market research Clark-Drain developed the CD 300 SR which enables the frame to be easily connected to the top of all shallow inspection chambers.

More accessible (fits directly on the chamber)

Corrosion resistant

Aesthetically more pleasing

Loading 10T GPW

Integral lifting keys

Polypropylene cover and frame

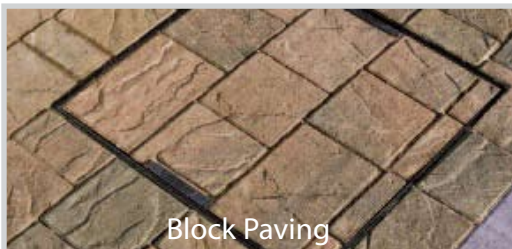
Quick and easy to install

Can be rotated to match direction of paving

Circular opening in frame fits all major PPIC shallow inspection chambers

Eliminates the need to cut paving around a circular opening

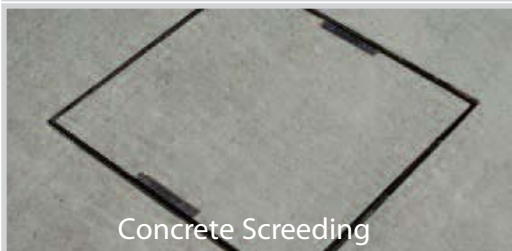
Guaranteed interchangeability



Block Paving



Slab Paving



Concrete Screeding

PRODUCT CODE	CLEAR OPENING (mm)	DEPTH (mm)	LOADING
CD 300SR	300	80	10T GPW



Fully Integral Lifting Keys
Massive industry response
Patent application Number GB2401641 A



Marshall's

As used by Marshall's approved landscape contractors and driveway installers.

THE NEXT GENERATION "T" RANGE RECESSED MANHOLE COVER AND FRAME



T11G3

APPLICATION

The light duty tray cover range suits a wide range of applications for both internal and external uses, and is ideal for a variety of floor coverings such as screed, carpet tiles and many more, leaving it virtually invisible to the eye!

PRODUCT CODE	CLEAR OPENING (mm)	OVERALL SIZE (mm)
*T1G3	300 x 300 x 46	396 x 396 x 50
☐*CLKS 450SR/46SL	450 dia x 46	580 x 580 x 55
☐♦*T11G3	600 x 450 x 46	740 x 590 x 55
♦♦*T16G3	600 x 600 x 46	740 x 740 x 55

♦ - England and Wales ♦♦ - Scotland

☐ Integral lifting keys *Sealed and locking

FEATURES

The T11G3 is supplied with Integral lifting keys

One piece pressed cover – Extra strength without obstruction

Frame manufactured from fully recycled material

Moulded grouting flange

Fully interchangeable cover

Factory fitted neoprene sealing gasket to prevent unwanted odours

4 locking screws with lifting locater caps

Galvanised after manufacture to BS EN1461

NEW BRASS EDGE AVAILABLE

450 x 450mm
600 x 450mm
600 x 600mm
750 x 600mm
900 x 600mm

Our recessed internal covers can be supplied with **BRASS** and **STAINLESS** edging on request

AQUA KNIGHT – THE UNIQUE RANGE OF GAS AND WATER TIGHT RECESSED ACCESS COVERS AND FRAMES

AQUA KNIGHT
ASK FOR IT BY NAME

FEATURES

CODE

Sizes available	AQK 4545	450mm x 450mm
	AQK 6045	600mm x 450mm
	AQK 6060	600mm x 600mm
	AQK 7560	750mm x 600mm
	AQK 7575	750mm x 750mm
	AQK 9060	900mm x 600mm

Used in the London Boroughs

Steel tray and steel frame

Galvanised after manufacture to BS EN1461

Neoprene sealing gasket



ALL AQUA KNIGHTS ARE
SUPPLIED WITH A
PAIR OF CLKS 776 KEYS

SOLID TOP COVER SUITABLE FOR 300 PPIC INSPECTION CHAMBER

SOLID TOP
ACCESS COVER FOR
SHALLOW INSPECTION
CHAMBERS

CLARK-DRAIN'S REVOLUTIONARY SQUARE-TO-ROUND INSPECTION COVER

In the last 15 years all newly built houses have had 300mm dia plastic inspection chambers installed. Following extensive market research we developed the CD 300 series which enables the frame to be easily connected to the top of all shallow inspection chambers.

More accessible (fits directly on the chamber)

Corrosion resistant

Driveway loading (35kN)

Polypropylene cover and frame

Can be rotated

Quick and easy to install

Circular opening in frame fits all major PPIC shallow inspection chambers

Guaranteed interchangeability

new!



**FOR 300 MM
PPIC
INSPECTION
CHAMBERS**

PRODUCT CODE	CLEAR OPENING (mm)	OVERALL DEPTH (mm)	LOADING
CD 300	220-300	37	35kN

GRASS



GRAVEL



ASPHALT



NEW
Polypropylene
Cover
and Frame!

5 TONNE GPW



SUPERIOR PRESSED CODE	CHEQUER PLATE PRESSED CODE	CLEAR OPENING (mm)	OVERALL SIZE (mm)	DEPTH (mm)
SPC2BG	N/A	300 x 300	363 x 363	40
SPC5BG	N/A	450 x 450	513 x 513	40
SPC6BG	N/A	600 x 450	663 x 513	40
SPC7BG	N/A	600 x 600	663 x 663	40
	C9BG*	750 x 600	813 x 663	40
	C11BG*	900 x 600	963 x 663	40

17 TONNE GPW



SPC2DG	N/A	300 x 300	363 x 363	40	
SPC5DG	N/A	450 x 450	513 x 513	40	
SPC6DG	N/A	600 x 450	663 x 513	40	
SPC7DG	N/A	600 x 600	663 x 663	40	
	N/A	C9DG*	750 x 600	813 x 663	65
		C11DG*	900 x 600	963 x 663	65

38 TONNE GPW



N/A	C2FG*	300 x 300	360 x 360	40
N/A	C5FG*	450 x 450	510 x 510	40
N/A	♦C6FG*	600 x 450	660 x 510	40
N/A	◆C7FG*	600 x 600	660 x 660	65
N/A	C9FG*	750 x 600	810 x 660	65
N/A	C11FG*	900 x 600	960 x 660	65

EXTRA HEAVY DUTY 40 TONNE GPW



N/A	C2G*	300 x 300	375 x 375	65
N/A	C5G*	450 x 450	525 x 525	65
N/A	C6G*	600 x 450	675 x 525	65
N/A	C7G*	600 x 600	675 x 675	65
N/A	C9G*	750 x 600	825 x 675	65
N/A	C11G*	900 x 600	995 x 675	65

*Supplied with steel frames

DO NOT USE STEEL MANHOLE COVERS AND FRAMES ON HIGHWAYS.



SUPERIOR PRESSED COVER
(SPC RANGE)



CHEQUER PLATE COVER
(C RANGE)

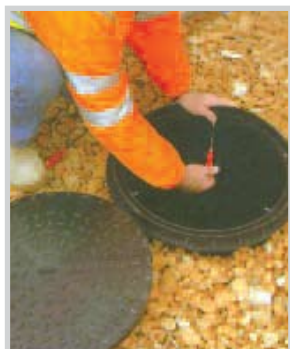
- ♦ - England and Wales
- ◆ - Scotland

For Forklift areas – please use our range of forklift covers. Please contact CH for advice should you require units slightly over the specifications above. Gross vehicle plated weight expressed as the gross weight of road vehicles with pneumatic tyres and four points of road contact.

Deep Section Solid Top Access Covers are now supplied with polypropylene frame except where stated otherwise*.

450 MM DIAMETER INSPECTION CHAMBER

FRAME TO
CHAMBER
SECURED



SECURING
LID TO
FRAME



FINISHED
ARTICLE



DUAL LOCKING
POLYPROPYLENE
COVER AND
FRAME



**STOP USING THE CAST
IRON A15 – WE HAVE A
SUPERIOR PRODUCT.
THE CLKS 452!**

Combined Harvesters 452 SAFETY FIRST AND FOREMOST

DO YOU KNOW THE NEW BUILDING REGULATIONS?

From the 1st April 2002 the new Building (Amendment) Regulations 2001, together with the new Approved Document Part H came into force. Part H which refers to drainage and waste disposal states: Small lightweight access covers will in future have to be secured (for example with screws) to deter unauthorised access.

Clark-Drain have been working with the NHBC and LABC and have recently been awarded the LANTAC approval (Certificate No.228/9/7067) for probably the industry's most effective safety conscious polypropylene inspection cover. 2.54 Document H states: 'Small lightweight access covers should be secured (for example with screws) to deter unauthorised access (for example by children).'

1.24 Septic Tanks: 'The access should be lockable or otherwise engineered to prevent personnel access.'

We have been working with the end user and have developed probably the industry's most effective and safety conscious polypropylene inspection cover

FULLY COMPLIANT TO PART H OF THE BUILDING REGULATIONS

Environmentally friendly polypropylene covers and frames with a test load of 35kN – suitable for Driveway loading

Suits all major PPIC access chambers

All units are interchangeable

Dual locking polypropylene cover and frame



PRODUCT CODE	CLEAR OPENING SIZE (mm)	DEPTH (mm)	LOADING
CLKS 452	450 dia	50	35kN

SOLID TOP COVER SUITABLE FOR 450 PPIC INSPECTION CHAMBER

Combined harvesters have developed probably the industry's most effective and safety conscious polypropylene inspection cover.

FULLY COMPLIANT TO PART H OF THE BUILDING REGULATIONS.

Building (Amendment) Regulations 2001.
Part H which refers to drainage and waste disposal states: Small lightweight access covers will in future have to be secured (eg. with screws) to deter unauthorised access.

Lighter to handle

More accessible

Corrosion resistant

Easier to install

Driveway tested to 35kN

Ideal for asphalt, grass and gravelled areas

Suits all major PPIC Access chambers

All units are interchangeable

Dual locking Polypropylene Cover and Frame
Driveway Loading



GRASS



GRAVEL



ASPHALT

PRODUCT CODE	CLEAR OPENING (mm)	OVERALL DEPTH (mm)	LOADING
CLKS 451	450 dia	55	35kN

SHALLOW INSPECTION COVERS



**FOR 450MM
PPIC
INSPECTION
CHAMBERS**

ARE YOU USING THE CLKS 499 REDUCER?

INTRODUCING THE CLKS 499 REDUCER

BUILDING REGULATIONS PART H STATES:

"No person shall enter a confined space to carry out work for any purpose unless it is not reasonably practicable to achieve that purpose without such entry." This solution has been updated so that it incorporates "The Confined Spaces Regulations 1997" A Reduced Access Inspection Chamber is an inspection chamber where the opening has been reduced to a maximum of 350mm to prevent man entry. Inspection and maintenance operations are all carried out by remotely operated equipment. The maximum depth is usually limited to 3.0m. Access is only permitted when there is no other alternative solution.

If you have an inspection chamber deeper than 1.2m regulations call for the clear opening to be reduced to 350mm. Our solution is the CLKS 499 REDUCER!

Snap lock system

Fully compliant to part H of the building regulations

One multi-application ring for driveways and pedestrian areas saving time money and confusion

Lightweight enough for manual handling compliance

Major step forward in child safety

LABC fully support the development of the CLKS 499 Reducer system



INSERTING THE CLKS 499 REDUCER



D400 MANHOLE COVER HEAVY DUTY

Heavy duty double triangular manhole cover and frame to BS EN 124

Manufactured in ductile iron

Black bitumen coated | Non-rock design

PRODUCT CODE	BS-EN 124 REF	CLEAR OPENING (mm)	OVERALL SIZE (mm)	DEPTH (mm)
CLKS 756 KMD	D400	600 x 450	750 x 600	100
◆ CLKS 701H KMD	D400	600 x 600	739 x 739	100
CLKS 701AH KMD	D400	600 x 600	739 x 739	150
CLKS 1659H KMD	D400	675 x 675	798 x 798	100
CLKS 1659AH KMD	D400	675 x 675	798 x 798	150
CLKS 693H KMD	D400	1200 x 675	1350 x 825	100
CLKS 693AH KMD	D400	1200 x 675	1350 x 825	150



B125 MANHOLE COVER MEDIUM DUTY

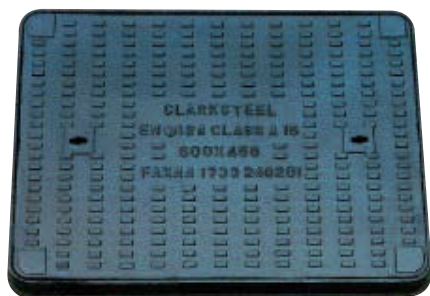
Medium duty solid top manhole cover and frame to BS EN 124

Manufactured in ductile iron

Black bitumen coated | Single seal

Closed keyways

PRODUCT CODE	BS-EN 124 REF	CLEAR OPENING (mm)	OVERALL SIZE (mm)	DEPTH (mm)
◆ CLKS 762 KMB	B125	600 x 450	700 x 550	40
◆ CLKS 777 KMB	B125	600 x 600	700 x 700	50
CLKS 778 KMB	B125	600 x 600	700 x 700	75
CLKS 759 KMB	B125	600 dia	720 x 720	50



A15 MANHOLE COVER LIGHT DUTY

Light duty, solid top manhole cover and frame to BS EN 124

Manufactured in grey iron

Black bitumen coated

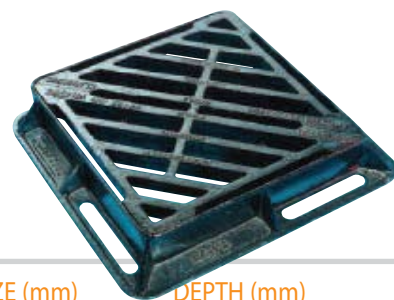
Single seal | Closed keyways

PRODUCT CODE	BS-EN 124 REF	CLEAR OPENING (mm)	OVERALL SIZE (mm)	DEPTH (mm)
◆ CLKS 62 ENA	A15	600 x 450	670 x 520	32
◆ CLKS 12 ENA	A15	600 x 600	670 x 670	32

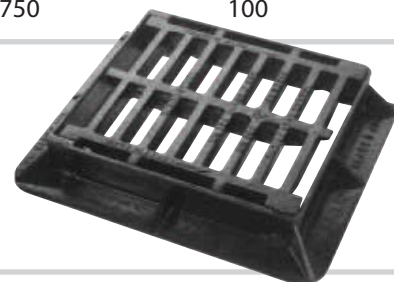
◆ - England and Wales

◆ - Scotland

GULLY GRATE – DOUBLE TRIANGULAR



PRODUCT CODE	BS-EN 124 REF	CLEAR OPENING (mm)	OVERALL SIZE (mm)	DEPTH (mm)
CLKS 644 KMD	D400	415 x 415	570 x 504	100
CLKS 502 KMD	D400	440 x 400	550 x 526	100
CLKS 732 KMD	D400	600 x 600	750 x 750	100



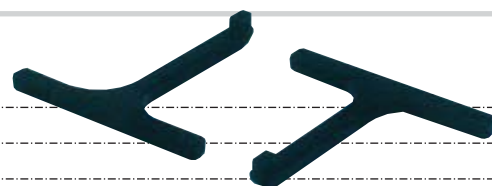
GULLY GRATE – CAPTIVE HINGED

PRODUCT CODE	BS-EN 124 REF	CLEAR OPENING (mm)	OVERALL SIZE (mm)	DEPTH (mm)
◆◆◆CLKS 180 KMD	D400	430 x 370	580 x 456	100
CLKS 179 KMD	D400	510 x 360	660 x 446	100
CLKS 127 KMC	C250	440 x 335	526 x 485	75
CLKS 128 KMC	C250	336 x 308	483 x 390	75
CLKS 185 KMD*	D400	450 x 450	590 x 530	100 (slotted grating)
CLKS 231 KMD	D400	430 x 370	580 x 456	100 (mesh grating)
CLKS 232 KMC	C250	336 x 308	390 x 483	100 (mesh grating)
CLKS 60DDI	B125	300 x 300	400 x 360	75
CLKS 61	B125	225 x 225	280 x 280	62

* The CLKS 185KMD is reversible.

ANCILLARY ITEMS

PRODUCT CODE	DESCRIPTION
◆◆◆CLKS 52L	Lockable stop tap box
◆◆◆CLKS 552	Pair of heavy duty lifting keys
◆◆◆CLKS 556	Pair of light duty Polypropylene lifting keys
CLKS 776	Pair of recessed Polypropylene lifting keys



CLKS 880 – POLYPROPYLENE STOP TAP BOX

Tested to 1 tonne loading | Size is 140 x 115 x 75mm

Conforms to BS5834 part 2 B1H

Won't rust | Aesthetically pleasing

Lightweight and easy to handle

Produced with fully recyclable plastics



DOMESTIC CHANNELS

The next generation of the CLKS 400 Series drainage system incorporates many unique features. The channel is supplied with a snaplocking grating, the channel itself has male/female slide connections with an additional springlock incorporated. This channel is designed to aid ease of installation, so several lengths can be laid at one time. The depth of the channel is 135mm which ensures sufficient intake of water collection in almost all scenarios.

Copmbined Harvesters
 RANGE OF POLYPROPYLENE
 CHANNEL DRAINAGE PRODUCTS,
 THE UK'S NO1

The Next Generation

THE
 complete
 CHANNEL



MALE AND FEMALE END CAPS



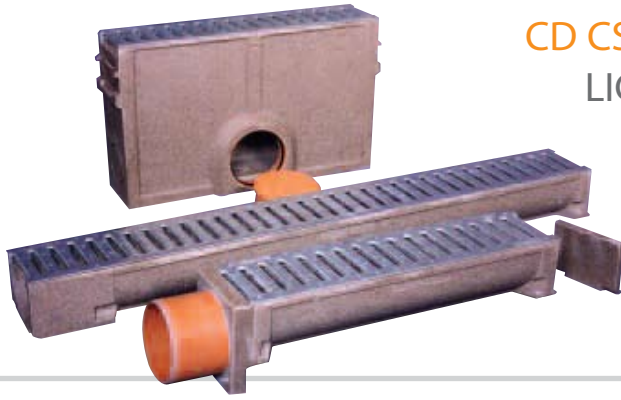
CLKS 402



CLKS 403

SLIDE AND
 SNAP-LOCKING
 CONNECTION
 ENDS!

PRODUCT CODE	DESCRIPTION	LENGTH (mm)	DEPTH (mm)
CLKS 422/96	Polypropylene Channel c/w plastic grating	1000	135
CLKS 425/96	Polypropylene Channel c/w galvanised Grating	1000	135
CLKS 402	Polypropylene Outlet/Plain End Caps (Packs of 15 pairs)		
CLKS 403	Polypropylene Debris/Leaf Trap (Packs of 25)		



CD CS10 SERIES
LIGHT DUTY

POLYMER CONCRETE
DOMESTIC CHANNEL AND
GRATING.



PRODUCT CODE	DESCRIPTION	LENGTH (mm)
CD CS10.10	Channel Clark-Self 100 with a galvanised self locking grating	1000
CD CS10.12	Silt-box c/w Grating and basket	500
CD CS10.31	Plain End Cap	
CD CS10.30	Outlet End Cap	

CD SE 10 SERIES MEDIUM DUTY

Galvanised steel edged polymer concrete channel c/w Class C250kN ductile iron on slotted heelguard grating.



PRODUCT CODE	DESCRIPTION	LENGTH (mm)
CD SD26.L00	Constant Depth Channel c/w Grating	1000
CD SE10.SB	Silt-box and basket	500
CD C010.26	Grating	500
CD LM10.00	Locking Bar	
CD SE10.E20	Plain End Cap	
CD SE10.0U00	Outlet End Cap	











CD CE10 SERIES HEAVY DUTY

Ductile iron edged channel complete with slotted F900kN grating.

PRODUCT CODE	DESCRIPTION	LENGTH (mm)
CD CE10.L00	Constant Depth Channel c/w Grating	1000mm
CD CE10.SB	Silt-Box c/w Grating and basket	500mm
CD SE10.E20	Plain End Cap	
CD SE10.0U00	Outlet End Cap	



FACTA GUIDE TO PERFORMANCE CLASSES FOR FABRICATED ACCESS COVERS

	COMPARISONS		GLV		WHEEL LOADS		LOAD TEST DATA		INSTALLATION GUIDE	
	EN 124 Class	BS 497 Approx equiv. Class	Gross laden vehicle weight (Slow moving)	Gross laden vehicle weight (Fast moving)	Wheel load (Slow moving)	W heel load (Fast moving)	Acceptance Test (Static Wheel load plus overload and dynamic effects)	Strength Test (Acceptance Test Load plus ultimate safety factor)	Installation Areas	Examples
	A15	C	Pedestrian duty		0.5 tonne (5kN)		5 x 1 x 1 = 5kN	5 x 1.6 = 8kN	Areas which can only be used by pedestrians and pedal cyclists	<u>Pedestrian areas</u> <u>Pedal cycle tracks</u> <u>Bridge footways</u>
	-	-	5 tonne		1.5 tonne (15kN)		1.5 x 1.1 x 1.15 = 19kN	19 x 1.6 = 31kN	Areas permanently inaccessible to vehicles other than private cars	<u>Car parking areas</u> <u>Car parking tracks</u> <u>Bridge footways</u>
	-	-	7.5 and 10 tonne		2.5 tonne (25kN)		2.5 x 1.1 x 1.15 = 32kN	32 x 1.6 = 52kN	Non carriageway locations and areas from which vehicles over the stated wheel loading or GLV weight are excluded	<u>Restricted access roads</u> <u>Service/Pedestrian areas</u>
	B125	B	16, 20, 25 and 38 tonne		5 tonne (50kN)		50 x 1.1 x 1.15 = 63.25kN	63.25 x 1.6 = 101kN	Footway locations and access areas where slow moving emergency public service and delivery vans have access and may park	<u>Pedestrian precincts</u> <u>Commercial delivery access</u> <u>Refuse collection access</u> <u>Forecourt areas</u> <u>Paved parking areas</u>
	C250	A	Special	up to 38 tonne	6.5 tonne (65kN)	5 tonne (50kN)	65 x 1.1 x 1.15 or 50 x 1.1 x 1.5 = 82.25kN	82.25 x 1.6 = 132kN	Carriageways carrying all classes of (fast-moving) traffic but located within 0.5m of the kerb line and up to 0.2m into the footway	All carriage ways, but restricted to the stated zones and wheel loading
	D400	D	Special	up to 38 tonne	11 tonne (108kN)	5 tonne (50kN)	108 x 1.1 x 1.15 or 50 x 1.1 x 1.5 = 137.5kN	137.5 x 1.6 = 220kN	Carriageways, hard shoulders and parking areas for all types of fast moving road vehicles	All carriageway locations - restricted only by wheel loading
	E600	-	Special	Special	16 tonne (158kN)	-	158 x 1.1 x 1.15 = 200kN	200 x 1.6 = 320kN	Non-carriageway areas imposing high wheel loads	<u>Docksides</u> <u>Airports</u>
	F900	-	Special	Special	24 tonne (237kN)	-	237 x 1.1 x 1.15 = 300kN	300 x 1.6 = 480kN	Areas imposing particularly high wheel loads	Aircraft aprons