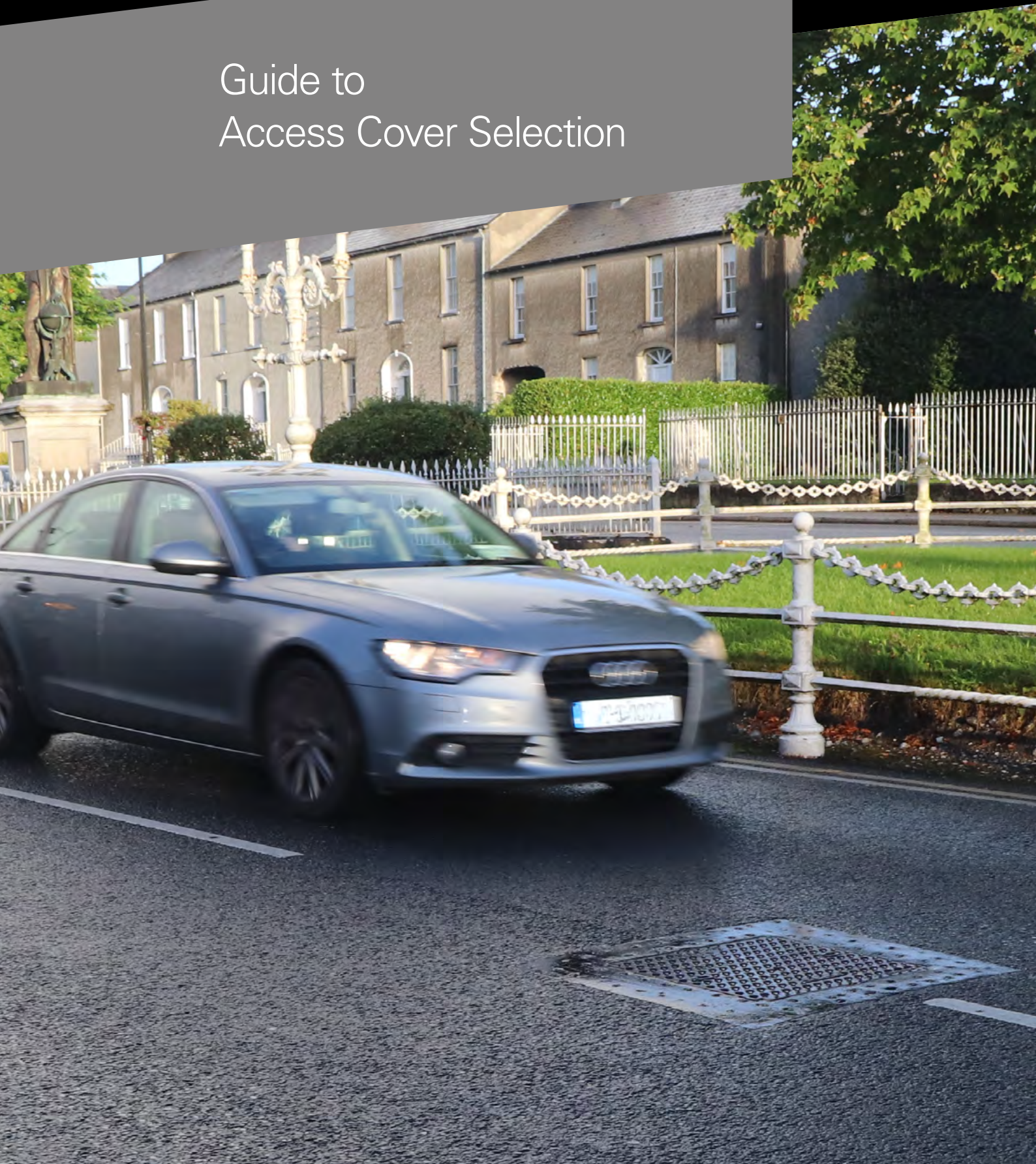




ej

Guide to Access Cover Selection



EJ are Ireland's leading supplier of infrastructure access solutions fully compliant with EN124:2015.



Our European foundry, accredited to ISO 9001, ISO 14001, ISO 45001 and ISO 50001 management systems.

EJ have the most comprehensive range of manhole covers, drainage gratings in ductile iron, composite and steel material on the market. We excel at serving our customers.

Our Sales personnel are always on hand to assist you, with excellent product knowledge, we will work with you to offer solutions tailored to your needs.

EJ products are manufactured in our best in class facilities and we hold over 1,000 tons of stock at our Birr facility, ensuring you of a ready supply of product at all times. We can deliver to you anywhere in Ireland.



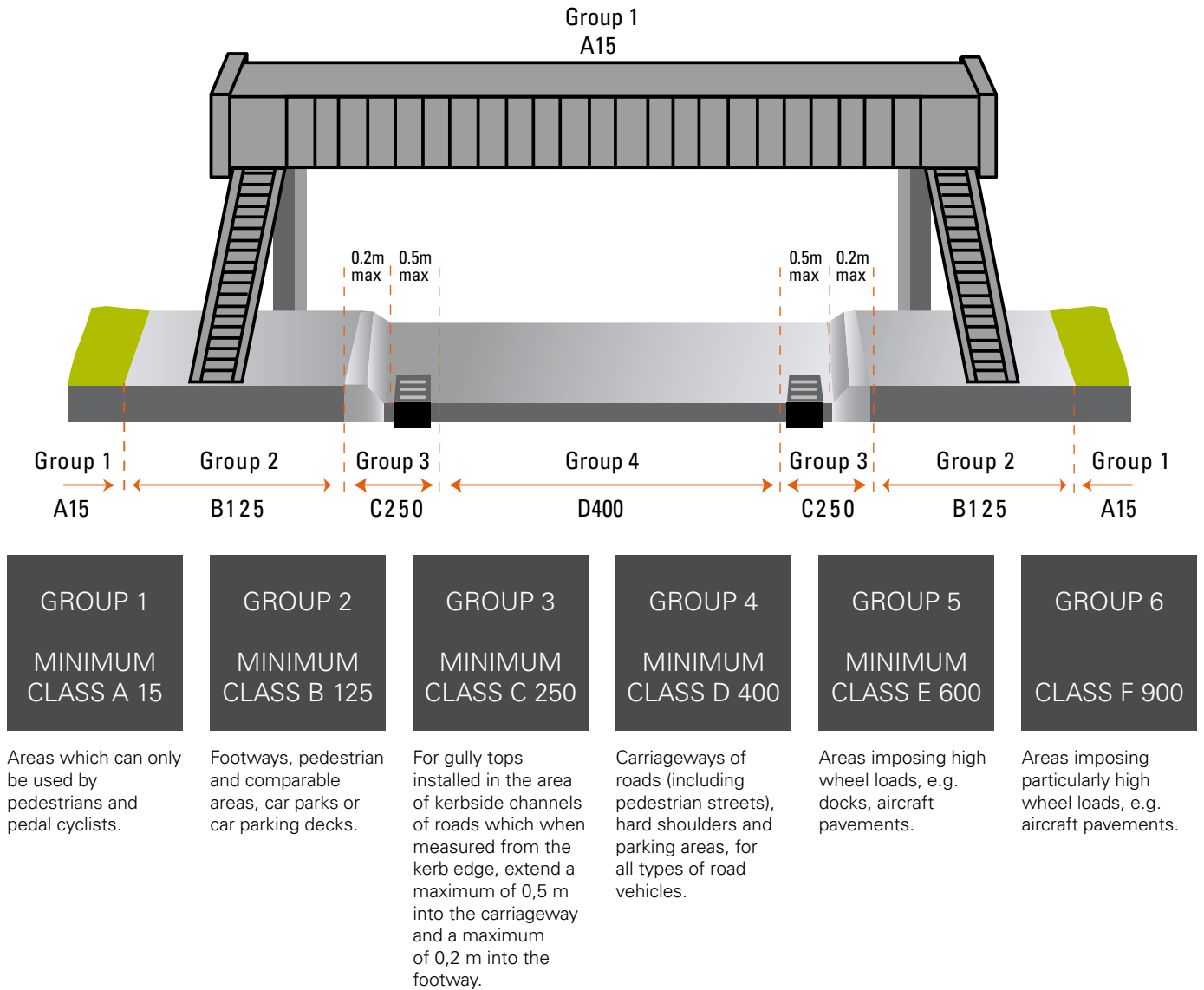
Our Birr Sales and Manufacturing Facility accredited to ISO 9001, ISO 14001 and ISO 45001 management systems.



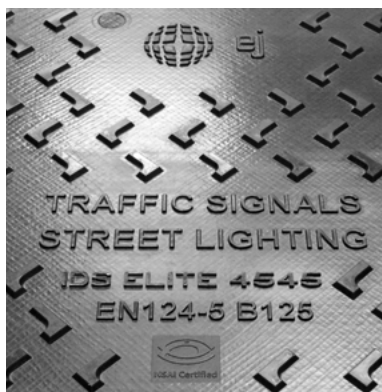
Daily deliveries nationwide from our Birr facility.

Load Classification and Product Markings in EN 124: 2015

EN 124:2015 supersedes EN 124:1994 in Ireland and applies to manhole covers & drainage gratings in ductile iron, composite and steel material. Divided into 6 loading classes A15, B125, C250, D400, E600 and F900, the classification denotes the test load expressed in kN. Please note EN 124:2015 is the minimum performance specification, if there is any doubt, a higher category cover and frame should be selected. Contact our Sales Team on 057 91 23100 for assistance on product selection.



Mandatory Markings



All marking must appear on the cover and frame to be compliant with the standard.

The EJ range of access solutions are independently tested and accredited by reputable 3rd party certification bodies.

- Name of the European Standard, e.g. EN 124-5
- Appropriate class e.g. B 125
- Name and/or identification mark of the manufacturer
- Factory of manufacturer which may be in code
- Date or week and year of manufacture (coded or not coded)

Circular Covers - EN124-2:2015 D400

	Features How to specify product	product code	reference	clear opening (mm)	overall dimensions (mm)	height (mm)
MAESTRO 	Hinged ductile iron cover and frame Slam lock system - 3 flexible ductile bars secure the cover in place Double wall frame for increased rigidity and to take the most intense traffic related stress Safety blocking of the cover which prevents it from accidentally closing when in the open position Continuous polypro EPDM cushioning insert, fixed to the cover	546112 01	MAESTRO PKSR	Ø 600	Ø 850	100
BRIO Added features 	Hinged ductile iron cover and frame Retractable handle - facilitates the opening and closing of the cover Double wall frame for increased rigidity limiting damage from traffic stresses Safety blocking of the cover which prevents it from accidentally closing when in the open position Neoprene gasket to minimise noise New Anti - theft captive hinge facility Option: Available Ø 700 mm clear opening	548400 01 514824 01 520489 01 522743 01	BRIO ROUND PKSR BRIO SQUARE PKSC BRIO ROUND LKD PKSRL BRIO SQUARE LKD PKSCL	Ø 600 Ø 600 Ø 600 Ø 600	Ø 850 850 x 850 Ø 850 850 x 850	100 100 100 100
TWINO 	Hinged ductile iron cover and frame Slam lock system Safety blocking of the cover which prevents it from accidentally closing when in the open position Neoprene gasket to minimise noise Option: Locking bolt	538633 01 538687 01	TWINO ROUND SR TWINO SQUARE SC	Ø 600 Ø 600	Ø 850 850 x 850	100 100
OPTO 	Drop in ductile iron cover and frame Neoprene gasket to minimise noise 2 closed keyways	536105	OPTO	Ø 600	Ø 850	75



Artistic Cover Design

Customise any of our access covers with your own logo or Local Authority crest.

PKSR = [Precaptive hinge, safety block, round frame](#)

PKSC = [Precaptive hinge, safety block, square frame](#)

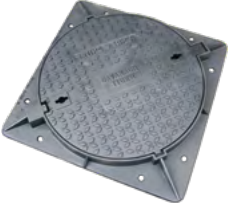
Square Covers - EN124-2:2015 E600

	Features How to specify product	product code	reference	clear opening (mm)	overall dimensions (mm)	height (mm)
SCORPION 150 E 600 	Double triangular covers Non rock covers by means of three point suspension Covers loosely coupled Closed keyways Option: Locking with a M16 bolt	710013	SCORPION	600 x 600	830 x 830	150
		710009	SCORPION 150 ROUND OPENING	Ø 600	780 x 780	150

Square Covers - EN124-2:2015 D400

SINCLAIR 	Double triangular covers Non rock covers by means of three point suspension Covers loosely coupled Closed keyways	512467	SINCLAIR	750 x 600	910 x 760	100
NOROC 	Ductile iron single cover Non rock by means of V shaped seating Closed keyways	532128	NOROC	600 x 600	760 x 760	100
SCORPION 100 or 150 HIGH 	Double triangular covers Non rock covers by means of three point suspension Covers loosely coupled Closed keyways Option: Locking with a M16 bolt Round opening Surface Water (SW) and Foul Water (FW) badging available	544787 01	SCORPION 675	675 x 675	840 x 840	100
		710080	SCORPION 100	600 x 600	760 x 760	100
		710081	SCORPION 100 ROUND OPENING	Ø 600	760 x 760	100
PYTHON 100 or 150 HIGH 	Double triangular covers Non rock covers by means of three point suspension Covers loosely coupled Closed keyways Option: Round opening Surface Water (SW) and Foul Water (FW) badging available	546873 01	PYTHON 100	600 x 600	750 x 750	100
		546874 01	PYTHON 100 ROUND OPENING	Ø 600	750 x 750	100
		546875 01	PYTHON 150	600 x 600	750 x 750	150
		546876 01	PYTHON 150 ROUND OPENING	Ø 600	750 x 750	150

Access Covers - EN124-2:2015 B125

	Features How to specify product	product code	reference	clear opening (mm)	overall dimensions (mm)	height (mm)
TIGER 	Ductile iron circular cover in a square frame BS closed keyways	710052	TIGER	Ø 550	670 x 670	60
	Option: Locking with a M16 bolt	710054	TIGER LKD	Ø 550	670 x 670	60
QUATTRO 	Ductile iron cover and frame Slide out operation Closed keyways Single seal	536146	QUATTRO 700	600 x 600	700 x 700	42
	Option: Locking bolt	528351	QUATTRO 600	500 x 500	600 x 600	40
		522068 01	QUATTRO 500	400 x 400	500 x 500	40
		522066 01	QUATTRO 400	300 x 300	400 x 400	39
		522065 01	QUATTRO 300	202 x 202	300 x 300	39

Waterworks Covers

CHEETAH FH, SV, AV, M 	BS5834 Grade A loading Ductile iron cover and frame Non rock by means of three point suspension Open keyways Can be badged FH, SV, AV, M or unbadged	544816 01	CHEETAH FH	445 x 280	645 x 480	100
		710351	CHEETAH SV	445 x 280	645 x 480	100
		544817 01	CHEETAH AV	445 x 280	645 x 480	100
		710330	CHEETAH M	445 x 280	645 x 480	100
3823 FH, SV, SCV, AV, M 	BS5834 Grade A loading Ductile iron cover and frame Double triangular covers for non rock performance Open keyways Can be badged FH, SV, ScV, AV, M	544918 01	3823 FH	380 x 230	500 x 350	125
		544917 01	3823 SV	380 x 230	500 x 350	125
		544921 01	3823 SCV	380 x 230	500 x 350	125
		544919 01	3823 AV	380 x 230	500 x 350	125
		544920 01	3823 M	380 x 230	500 x 350	125
LEOPARD FH, SV, AV, M 	Ductile iron cover and frame Single drop in cover Open keyways Can be badged FH, SV, AV, M or unbadged	710300	LEOPARD FH	445 x 275	580 x 410	65
		710391	LEOPARD SV	445 x 275	580 x 410	65
		710340	LEOPARD AV	445 x 275	580 x 410	65
		710320	LEOPARD M	445 x 275	580 x 410	65
SV GRADE A 	BS5834 Grade A loading Ductile iron cover and frame Double triangular covers for non rock performance Open keyways	546008 01	1616 SV	163 x 163	247 x 247	100

Drainage Gratings - EN124-2:2015 D400

	Features How to specify product	product code	reference	clear opening (mm)	overall dimensions (mm)	height (mm)
GD6060A T3 	Hinged ductile iron grating and frame Anti - theft captive hinge facility	532252	GD6060A T3	600 X 600	720 x 720	100
BUFFALO 100 	End hinged ductile iron grating and frame Flat, 3 sided frame Option: Locking, reversible hinge Locking with a M16 bolt	710190 710191	BUFFALO 100 BUFFALO 100 LKD	430 x 375 430 x 375	525 x 525 525 x 525	100 100
LION 100 	End hinged ductile iron grating and frame Flat, 3 sided frame Option: Locking with a M16 bolt	710124 710125	LION 100 LION 100 LKD	360 x 310 360 x 310	510 x 400 510 x 400	100 100

Drainage Gratings - EN124-2:2015 C250

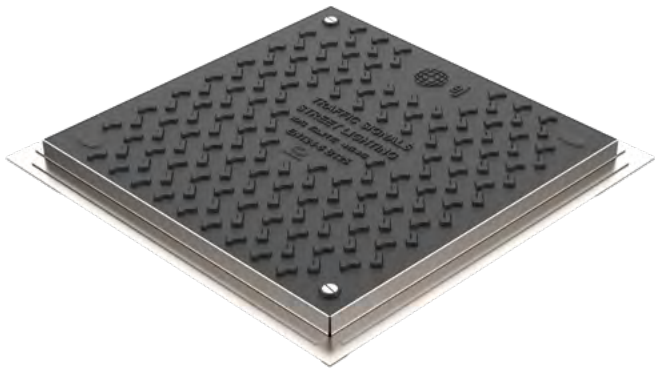
LION 75 	End hinged ductile iron grating and frame Flat, 3 sided frame Option: Locking with a M16 bolt	710112 710118	LION 75 LION 75 LKD	360 x 310 360 x 310	510 x 400 510 x 400	75 75
PUMA 	Kerb side hinged ductile iron grating and frame Dished, 4 sided frame Option: Locking with a M16 bolt	532883 532884	PUMA PUMA LKD	390 x 316 390 x 316	544 x 470 544 x 470	100 100

IDS ELITE RANGE

Locked cover in a galvanised steel frame
Traffic signals and street lighting infrastructure

MADE IN IRELAND
Fully certified to EN 124-5: 2015

B125



Features

- Light-weight, easy to handle and install, up to 70% lighter than the iron equivalent
- Corrosion resistant even in the most aggressive environments
- No resale value to the scrap market
- No signal interference with wireless communication devices
- Non-conductive of stray voltage or heat
- Coarse skid resistant upper surface featuring the trademarked 4L non slip pattern
- UV resistant protective surface layer

reference	nominal size (mm)	loading	weight - cover only (kg)
IDS ELITE 3030	300 X 300	B125	3
IDS ELITE 3045	300 x 450	B125	4,5
IDS ELITE 4545	450 x 450	B125	5,5
IDS ELITE 4560	450 x 600	B125	7
IDS ELITE 6060	600 x 600	B125	9

DATUM

Non-structural chamber

DATUM™ chamber systems are manufactured in one piece sections by rotational moulding for strength and rigidity. The system is made up of single stacking sections which can be stacked up to three sections high. Each section has pre-trepanned duct entry profiles for ease of pipe insertion. Using 110 mm duct two chambers will give 463 mm depth of cover (typical of footway requirements) and three sections will achieve the required depth for under a road (793 mm). The chamber systems are manufactured in a wide range of sizes and are lightweight, and easy to install.



Features

- High strength and rigidity
- Tapered interlocking skirt for stacking integrity
- Precision duct entry cut-outs
- Cover and frame height and tilt adjustment
- Corrosion resistant
- Manufactured from 100% recycled and recyclable material

Benefits

- Easy one way fit and installation
- Lightweight system
- Single wall design
- Duct entry points easily cut with holesaw
- Composite covers & frames designed to suit

Standard sizes				
product code	clear opening (mm)	overall dimensions (mm)	height (mm)	entry points
MC1*	275 x 295	374 x 394	380	8
MC2	450 x 300	545 x 390	380	10
MC3	450 x 450	550 x 550	380	12
MC4	600 x 450	690 x 545	380	14
MC5	600 x 600	680 x 680	380	16
MC7	900 x 450	1020 x 545	380	18

Raiser units			
product code	clear opening (mm)	overall dimensions (mm)	height (mm)
MC2/R	450 x 300	545 x 390	250
MC3/R	450 x 450	550 x 550	250
MC4/R	600 x 450	690 x 545	250
MC5/R	600 x 600	680 x 680	250

Telecommunications Solutions

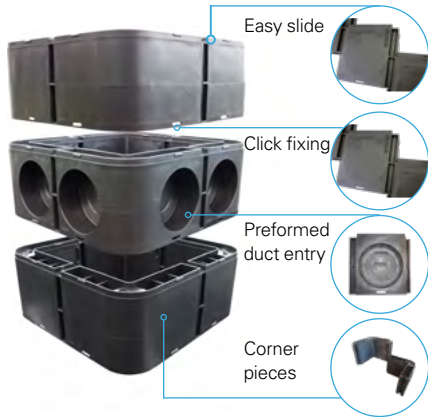
EN124-2:2015 B125

	Features How to specify product	product code	reference	clear opening (mm)	overall dimensions (mm)	height (mm)
JB Range  	Ductile iron cover Galvanised steel frame Sealed keyways Single and multiple units available Locking arrangement (patented design) Options: can be supplied unlocked Badged with logos or services	710085	JB1 BLANK	385 x 260	590 x 445	52
		710093	JB2 BLANK	730 x 260	920 x 455	52
		710908	JB4 BLANK	915 x 445	1110 x 640	52
		710909	JB4A BLANK	975 x 915	1170 x 1110	52
		710910	JB4B BLANK	1500 x 915	1710 x 1110	52
		710911	JB4C BLANK	2030 x 915	2330 x 1110	52
		710097	JB5 BLANK	615 x 615	705 x 705	52
		710098	JB6 BLANK	1310 x 615	1401 x 705	52

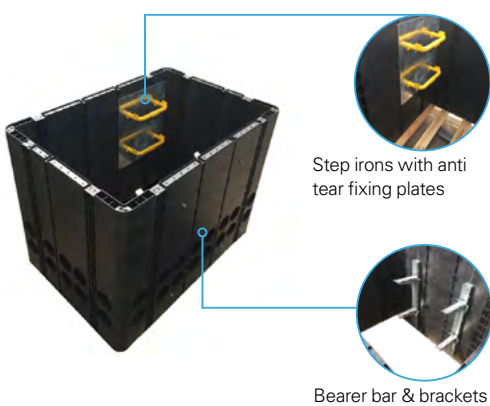
NEXUS™

Structural Chamber Solutions

Saving vs. Brick: up to 45% cheaper
5 times as quick to assemble



40 Tonne Loading: without the need for
structural support



Features

- High quality modular system
- Structural high strength without concrete surround
- Lightweight but strong thermoplastic polypropylene
- Assembled in 150 mm increments
- Vertical load tested to D400 (40 tonnes)
- Options: 64 mm and 114 mm diameter preformed duct entry points
- Strong twin wall structural design
- Manufactured from 100% recycled material
- Larger sizes available in 150 mm increments

product code	clear opening (mm)	overall dimensions (mm)
NX030030RP	300 x 300	400 x 400
NX045045RP	450 x 450	550 x 550
NX060045RP	600 x 450	700 x 550
NX060060RP	600 x 600	700 x 700
NX090045RP	900 x 450	1000 x 550
NX090060RP	900 x 600	1000 x 700
NX090090RP	900 x 900	1000 x 1000
NX120060RP	1200 x 600	1300 x 700



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