

		GLW	Wheel L	oads	Typical Appl	ications
FACTA Class	EN124 Class	Gross Laden Ve hicle Weight (slow moving)	Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres
A A	A15	Pedestrian duty	0.6 tonne (5kN)	N/A	Internal and external are: used by pedestrians or cy rooms, footways and cyc	vcles i.e. toilets, changin
AA	N/A	5 tonne	1.5 tonne (15kN)	N/A	Very light industrial areas, private cars/ vans can mar driveways, trolley parks, h und car parks	noeuvre i.e. Domestic
AAA	N/A	10 tonne	2.5 tonne (25kN)	0.5 tonne	Delivery/ service areas, shopping malls, light industrial areas	Light industrial areas, where trolleys and light pallet trucks operate
B	B125	Up to 44 tonne	5.0 tonne (50kN)	0.75 tonne	Pedestrian precincts, forecourts, commercial delivery/ parking areas	Factories, industrial plants, where pick-up trucks and small palle trucks operate
<u>د</u>	C250	Up to 44 tonne but under special conditions	6.5 tonne (65kN)	1.0 tonne	Factories, industrial plants, special axle loa ds, kerb side drainage	Industrial areas wher pallet and small fork- lift trucks operate
D	D400	Up to 44 tonne but under special conditions	11.0 tonne (108kN)	3.0 tonne	Heavy duty plant areas carriageways and indu strial service roads where fast moving HGVs reach speeds of 32 km/h max	Heavy duty industrial areas where medium duty fork-lift trucks operate
₩. E	E600	Special applica- tion vehicles	16.0 tonne (158kN)	5.0 tonne	Dockside and container storage areas where heavy transporters operate	Very heavy industrial areas where large heavy duty fork-lift trucks operate
F	F900	Special applica- tion vehicles	24.0 tonne (237kN)	N/A	Civil and military airfield a ly heavy wheel loads are i towing vehicles	

^{*} Slow moving wheel loads are deemed to be speeds no greater than 32 km/h.

Hot Dip Galvanizing

All our covers and frames come with a Hot Dip Galvanized finish unless otherwise specified. This is the ultimate method of protecting mild steel from corrosion and guaranteeing long life.

Benefits

Coating Toughness

Hot Dip Galvanizing is unique - the coating bonds metallurgically with the steel giving a much greater resistance to damage than other coatings. This coating is tougher and more abrasion resistant than the original steel.

▶ Corrosion Protection

The zinc corrodes at a slower rate giving a long and predictable life. The coating sacrifices itself to any small areas exposed through drilling, cutting or accidental damages. If large areas get damaged it prevents sideways creep of rust.

▶ Controlled Process

The Process is carried out in-house in Ireland's largest galvanizing plant in accordance with I.S. EN ISO 1461: 1999.

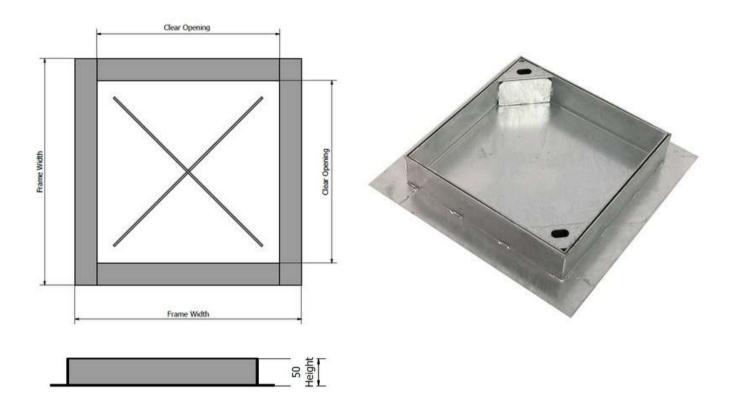
Galco operates a policy of continuous development and whilst the enclosed specification is correct at time of publication, we reserve the right to change it without notice.

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Hot Dip Galvanized Finish 50mm (45mm recess)

Galco Steel range of Hot Dip Galvanized covers, Our recess covers are manufactured using only quality-approved mild steel with structural welded joints and integrated lifting eyes.



		GLW	Wheel Loads		Typical Applications	
Facta Class	EN124 Class	Gross Laden Ve- hicle Weight (slow moving) Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres	
AA	A15	5 tonne	1.5 tonne (15kN)	N/A	Internal and external pede- changing rooms, footways Very light industrial areas, private cars/vans can mand driveways, trolley parks, ur	and cycle tracks where small trolleys and beuvre i.e. domestic

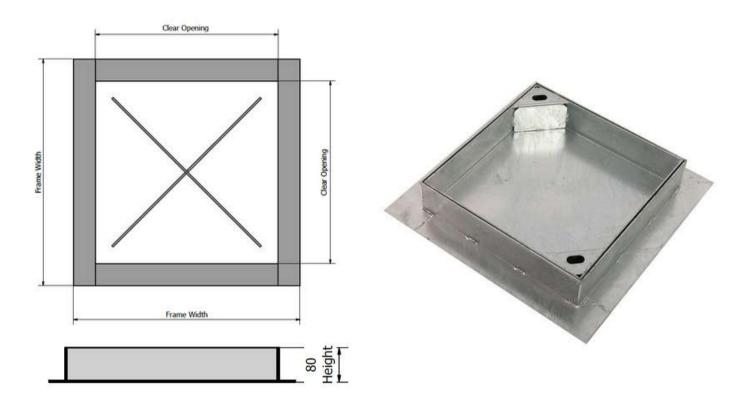
- This recess cover will accommodate paving up to 30 mm or concrete in-fill up to 45 mm
- Manufactured to FACTA standard and ISO 9001 2015 factory production control

Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)	Bracing (LxWxH in mm)
2RGL050L	300 x 300	410 x 410	50	45	
5RGL050L	457 x 457	567 x 567	50	45	375 x 375 x 40
7RGL050L	600 x 600	710 x 710	50	45	505 x 505 x 40



Hot Dip Galvanized Finish 80mm (75mm recess)

Galco Steel range of Hot Dip Galvanized covers, Our recess covers are manufactured using only quality-approved mild steel with structural welded joints and integrated lifting eyes.



		GLW	Wheel Loads		Typical Applications	
Facta Class	EN124 Class	Gross Laden Ve- hicle Weight (slow moving) Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres	
AA	A15	5 tonne	1.5 tonne (15kN)	N/A	Internal and external pede- changing rooms, footways Very light industrial areas, private cars/vans can mand driveways, trolley parks, ur	and cycle tracks where small trolleys and beuvre i.e. domestic

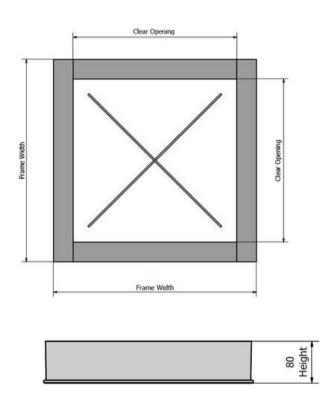
- This recess cover will accommodate paving up to 60 mm or concrete in-fill up to 75 mm
- Manufactured to FACTA standard and ISO 9001 2015 factory production control

Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)	Bracing (LxWxH in mm)
2RGL075L	300 x 300	450 x 450	80	75	
5RGL075L	457 x 457	607 x 607	80	75	375 x 375 x 40
7RGL075L	600 x 600	750 x 750	80	75	505 x 505 x 40



Hot Dip Galvanized Finish 80mm (75mm recess)

Galco Steel range of Hot Dip Galvanized covers, Our recess covers are manufactured using only quality-approved mild steel with structural welded joints and integrated lifting eyes.





		GLW		Wheel Loads		Typical Applications	
Facta Class	EN124 Class	Gross Laden Ve- hicle Weight (slow moving) Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres		
AA 🕋	A15	5 tonne	1.5 tonne (15kN)	N/A	Internal and external pede changing rooms, footways Very light industrial areas, private cars/vans can mand driveways, trolley parks, un	and cycle tracks where small trolleys and beuvre i.e. domestic	

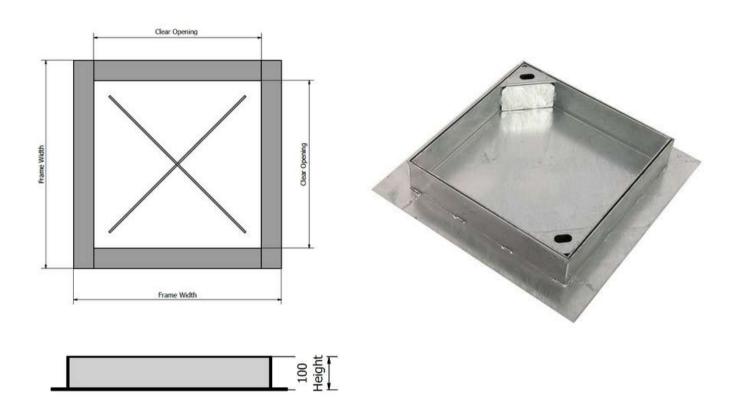
- This recess cover will accommodate paving up to 60 mm or concrete in-fill up to 75 mm
- Manufactured to FACTA standard and ISO 9001 2015 factory production control

Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)	Bracing (LxWxH in mm)
2RGL075	300 x 300	394 x 394	80	75	
5RGL075	457 x 457	551 x 551	80	75	375 x 375 x 40
7 RGL0 7 5	600 x 600	694 x 694	80	75	475 x 475 x 40



Hot Dip Galvanized Finish 100mm (95mm recess)

Galco Steel range of Hot Dip Galvanized covers, Our recess covers are manufactured using only quality-approved mild steel with structural welded joints and integrated lifting eyes.



		GLW	Wheel Loads		Typical Applications	
Facta Class	EN124 Class		Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres	
AA 🕋	A15	5 tonne	1.5 tonne (15kN)	N/A	Internal and external pede changing rooms, footways Very light industrial areas, private cars/vans can mand driveways, trolley parks, ur	and cycle tracks where small trolleys and beuvre i.e. domestic

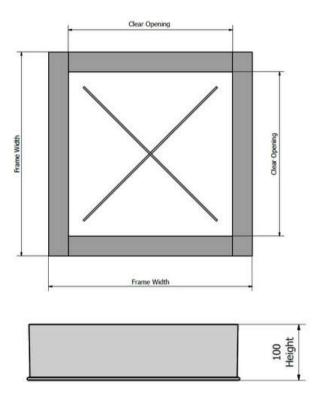
- This recess cover will accommodate paving up to 80 mm or concrete in-fill up to 95 mm
- Manufactured to FACTA standard and ISO 9001 2015 factory production control

Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)	Bracing (LxWxH in mm)
2RGL110L	300 x 300	450 x 450	100	95	
2RGL110L	457 x 457	551 x 551	100	95	375 x 375 x 40
2RGL110L	600 x 600	750 x 750	100	95	475 x 475 x 40



Hot Dip Galvanized Finish 100mm (95mm recess)

Galco Steel range of Hot Dip Galvanized covers, Our recess covers are manufactured using only quality-approved mild steel with structural welded joints and integrated lifting eyes.





		GLW	Wheel	Loads	Typical Applications	
Facta Class	EN124 Class	Gross Laden Ve- hicle Weight (slow moving) Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres	
AA	A15	5 tonne	1.5 tonne (15kN)	N/A	Internal and external peder changing rooms, footways Very light industrial areas, private cars/vans can mand driveways, trolley parks, un	and cycle tracks where small trolleys and seuvre i.e. domestic

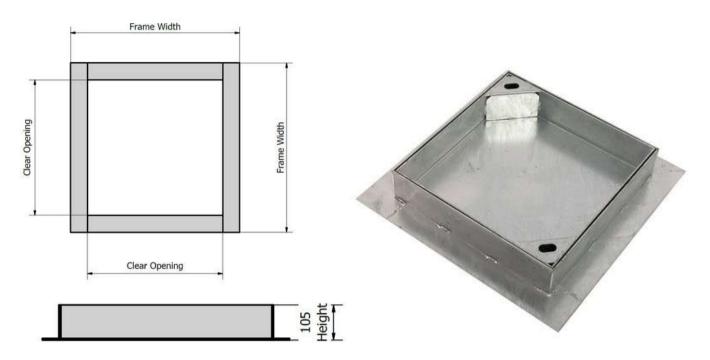
- This recess cover will accommodate paving up to 80 mm or concrete in-fill up to 95 mm
- Manufactured to FACTA standard and ISO 9001 2015 factory production control

Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)	Bracing (LxWxH in mm)
2RGL110	300 x 300	394 x 394	100	95	
5RGL110	457 x 457	551 x 551	100	95	375 x 375 x 40
7 RGL110	600 x 600	694 x 694	100	95	475 x 475 x 40



Hot Dip Galvanized Finish 105mm (95mm recess)

Galco Steel range of Hot Dip Galvanized covers, Our recess covers are manufactured using only quality-approved mild steel with structural welded joints and integrated lifting eyes.



1		GLW	Wheel	Wheel Loads		plications
Facta Class	EN124 Class	hicle Weight (slow (slo	Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres
4	C250	Up to 44 tonne but under special conditions	6.5 tonne (65kN)	1.0 tonne	Factories, industrial plants, special axle loads, kerb side drainage	Industrial areas where pallet and small fork- lift trucks operate
D	D400	Up to 44 tonne but under special conditions	11.0 tonne (108kN)	3.0 tonne	Heavy duty plant areas carriageways and indu- strial service roads where fast moving HGVs reach speeds of 32 km/h max	Heavy duty industrial areas where medium duty fork-lift trucks operate

- This recess cover will accommodate paving up to 80 mm or concrete in-fill up to 95 mm
- Manufactured to FACTA standard and ISO 9001 2015 factory production control

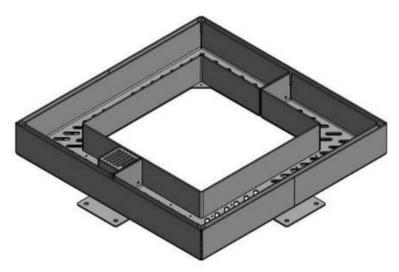
Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)
SP3.3RC	300 x 300	450 x 450	105	95
SP45.45RC	457 x 457	607 x 607	105	95
SP6.6RC	600 x 600	750 x 750	105	95
SP3.3RD	300 x 300	450 x 450	105	95
SP45.45RD	457 x 457	607 x 607	105	95
SP6.6RD	600 x 600	750 x 750	105	95



CITADEL Tree Grate 135mm (120mm recess)

"Citadel" Galco Steel range of Recess Tree grilles for urban development's where the integration of trees is part of overall aesthetics for the project. The Citadel Tree grille protects the tree root from urban traffic and helps maintain a solid soil table, while still allowing natural irrigation and drainage to take place.

The Citadel Tree grille is ideal for most types of paving products and is designed, so the trays can form an identical design pattern with the larger paving section of the urban development. The C-bolt arrangement means the tree can be safely removed or replaced any time after the initial installation if required.



		GLW	Wheel Loads		Typical Applications	
Facta Class	EN124 Class	Gross Laden Ve- hicle Weight (slow moving)	Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres
AA	A15	5 tonne	1.5 tonne (15kN)	N/A	Internal and external pedestrian areas i.e. toil changing rooms, footways and cycle tracks Very light industrial areas, where small trolley private cars/vans can manoeuvre i.e. domestidriveways, trolley parks, underground car pai	

Features

- Split C-Section for easy access to sub-base (root)
- Multiple lift eyes for ease of installation or removal of inner trays.
- Access point to root for air and nutrition.

Fixing and installation

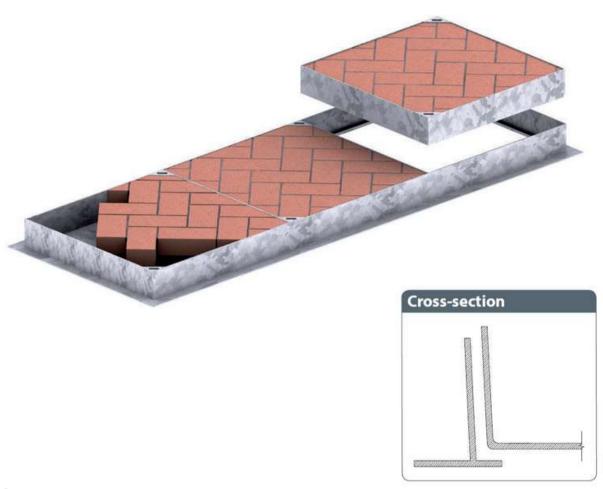
- The outer frame is to be fixed directly to a level concrete pad foundation around the tree pit
- To avoid trip-hazard, set the pad foundation so that the grille is flush with the finished paving level
- The inner trays can then be installed and fastened into place using the fixing bolts.

Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)
7RTG000	600 x 600	950 x 950	135	120
9RTG000	900 x 900	1250 x 1250	135	120



Heavy Duty Recessed Cover

Recessed covers and frames, manufactured from mild steel plate with welded joints to accommodate 65mm - 85mm paving bricks.



Features

- Peripheral Anchoring
- 2 chambered keyhole lifting device
- Made to the customers loading requirements (FACTA A AA AAA B C D loading)

Options

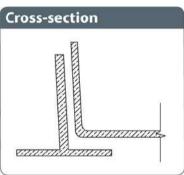
- Locking device
- Optional Double Grease Seal (grease not supplied)
- Custom sizes and classification to order (as shown on visualization above)
- Stamp/Markings



Special Multi-Cover 80mm (70mm recess)

A range of Hot Dip Galvanized covers, manufactured from mild steel plate with welded joints available with locking solutions. Recessed cover to accommodate bricks up to 60 mm or to be filled with concrete.





Features

- Peripheral Anchoring
- Removal by 2 lifting keys
- Made tot the customers loading requirements (FACTA A AA AAA B C D loading)

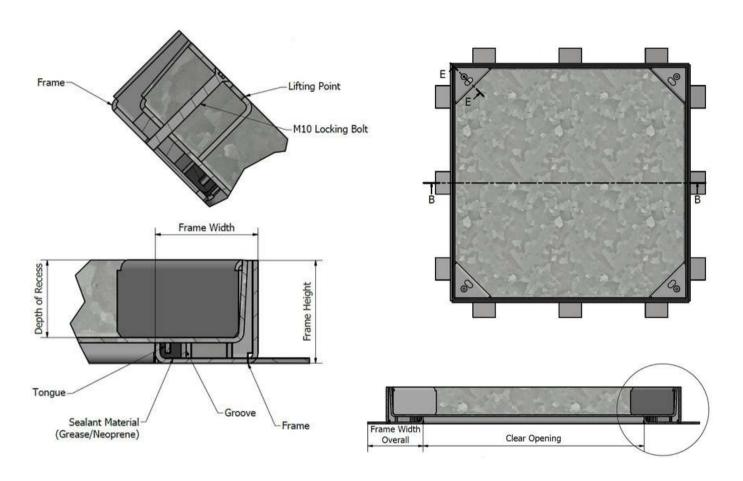
Options

- Deep recess
- Marking
- Screw down locking system
- Non standard dimensions made to order



Dual Seal & Locked Recess Cover

A range of Hot Dip Galvanized covers, manufactured from mild steel plate with welded joints available with locking solutions. Recessed cover to accommodate bricks up to 60 mm or to be filled with concrete.



		GLW	Wheel Loads		Typical Applications	
Facta Class	EN124 Class	Gross Laden Ve- hicle Weight (slow moving)	Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres
6	C250	Up to 44 tonne but under special conditions	6.5 tonne (65kN)	1.0 tonne	Factories, industrial plants, special axle loads, kerb side drainage	Industrial areas where pallet and small fork- lift trucks operate
D	D400	Up to 44 tonne but under special conditions	11.0 tonne (108kN)	3.0 tonne	Heavy duty plant areas carriageways and indu- strial service roads where fast moving HGVs reach speeds of 32 km/h max	Heavy duty industrial areas where medium duty fork-lift trucks operate

Features

- Peripheral Anchoring
- Removal by 2 lifting keys

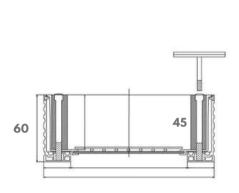
Options

- Deep recess
- Marking
- Screw down locking system
- Non standard dimensions made to order



Aluminium Recessed Covers 60mm (47mm recess) Locked

The aluminium covers are odour and waterproof and available in multiple sizes and heights, depending on the application.





		GLW	Wheel Loads		Typical Applications	
Facta Class EN124 Class	EN124 Class	Gross Laden Ve- hicle Weight (slow moving)	Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres
AA 🕋	A15	5 tonne	1.5 tonne (15kN)	N/A	Internal and external pedestrian areas i.e. toil changing rooms, footways and cycle tracks Very light industrial areas, where small trolley private cars/vans can manoeuvre i.e. domestid driveways, trolley parks, underground car par	

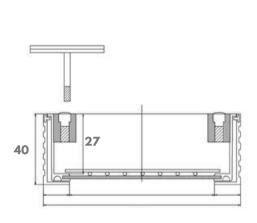
- · Gas, smell, and waterproof
- The cover has a double high-grade EPDM seal and there is a T rubber seal on the side of the frame to prevent dirt infiltration between frame and cover

Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)
DC60P300	210 x 210	300 x 300	60	45
DC60P400	310 x 310	400 x 400	60	45
DC60P450	360 x 360	450 x 450	60	45
DC60P500	410 x 410	500 x 500	60	45
DC60P600	510 x 510	600 x 600	60	45
DC60P700	610 x 610	700 x 700	60	45
DC60P800	710 x 710	800 x 800	60	45
DC60P900	810 x 810	900 x 900	60	45
DC60P1000	910 x 910	1000 x 1000	60	45



Aluminium Recessed Covers 40mm (27mm recess) Not Locked

The aluminium covers are odour and waterproof and available in multiple sizes and heights, depending on the application.





		GLW Wheel Loads		Typical Applications		
Facta Class EN124 Class	Gross Laden Ve- hicle Weight (slow moving)	Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres	
AA	A15	5 tonne	1.5 tonne (15kN)	N/A	Internal and external pedestrian areas i.e. toilet changing rooms, footways and cycle tracks Very light industrial areas, where small trolleys private cars/vans can manoeuvre i.e. domestic driveways, trolley parks, underground car parks	

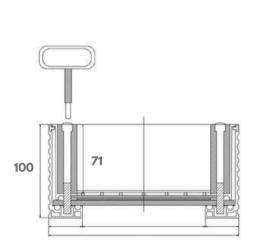
- · Gas, smell, and waterproof
- The cover has a double high-grade EPDM seal and there is a T rubber seal on the side of the frame to prevent dirt infiltration between frame and cover

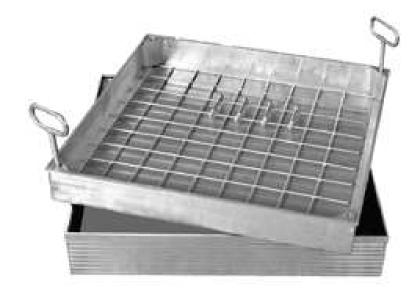
Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)
DC40P300	240 x 240	300 x 300	40	27
DC40P400	340 x 340	400 x 400	40	27
DC40P500	440 x 440	500 x 500	40	27
DC40P600	540 x 540	600 x 600	40	27
DC40P700	640 x 640	700 x 700	40	27
DC40P800	740 x 740	800 x 800	40	27
DC40P900	840 x 840	900 x 900	40	27
DC40P1000	940 x 940	1000 x 1000	40	27



Aluminium Recessed Covers 100mm (71mm recess) Locked

The aluminium covers are odour and waterproof and available in multiple sizes and heights, depending on the application.





		GLW	Wheel Loads		Typical Applications	
Facta Class	EN124 Class	Gross Laden Ve- hicle Weight (slow moving)	Wheel Loads* (slow moving) Pneumatic	Wheel Loads* (slow moving) Solid	Pneumatic Tyres	Solid Tyres
B	B125	Up to 44 tonne	5.0 tonne (50kN)	0.75 tonne	Pedestrian precincts. forecourts, commercial delivery/ parking areas	Factories, industrial plants, where pick-up trucks and small palle trucks operate
ر ا	C250	Up to 44 tonne but under special conditions	6.5 tonne (65kN)	1.0 tonne	Factories, industrial plants, special axle loads, kerb side drainage	Industrial areas where pallet and small fork- lift trucks operate

- · Gas, smell, and waterproof
- The cover has a double high-grade EPDM seal and there is a T rubber seal on the side of the frame to prevent dirt infiltration between frame and cover

Code	Clear Opening (mm)	Frame Width (mm)	Height (mm)	Recess Depth Total (mm)
DC100P300B	125 210 x 210	300 x 300	100	71
DC100P400B	125 310 x 310	400 x 400	100	7 1
DC100P500B	125 410 x 410	500 x 500	100	71
DC100P600B	125 510 x 510	600 x 600	100	71
DC100P300C	250 210 x 210	300 x 300	100	7 1
DC100P400C	250 310 x 310	400 x 400	100	<i>7</i> 1
DC100P500C	250 410 x 410	500 x 500	100	71
DC100P600C	250 510 x 510	600 x 600	100	7 1



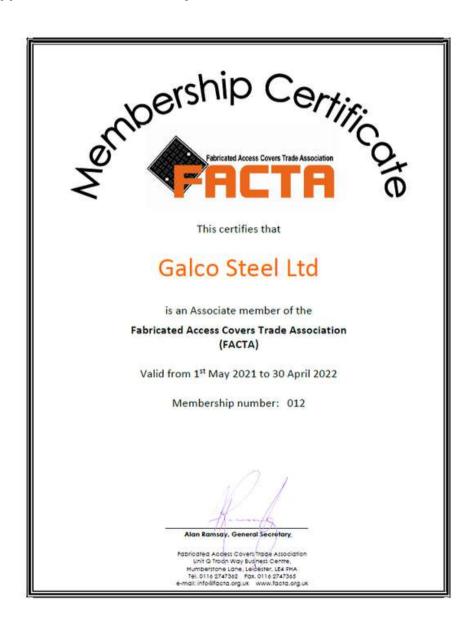
FACTA v/s BSEN 124

This is a question that we get asked quite a number of times throughout the year as to why the loadings are different in FACTA compared to BSEN 124.

FACTA is a Trade Association that's specific to the fabrication of Access Covers and frames. FACTA developed their specification and to some extent has been the industry bible for the last 20 years. BSEN 124 is classified as a European standard and in 2015 the standard was revised, and separate annexes were created covering the different manufacturing materials.

The major difference between FACTA and BSEN 124 is the load classifications. BSEN 124 takes into account the dynamic vehicle loading for fast moving traffic where as FACTA load test calculations are derived from structural engineering calculations for fabricated components. Fabricated access covers are normally restricted to 20mph speed limits and are not subjected to the dynamic loads associated with cast iron produced access covers.

The effect being the ultimate test loads for BSEN 124 is substantially higher than those within the FACTA specification. The Class D400 load in BSEN 124 has an ultimate test load of 400kN compared to 220kN for a FACTA Class D. To achieve BSEN 124 loads require additional material and given the applications are unnecessary.

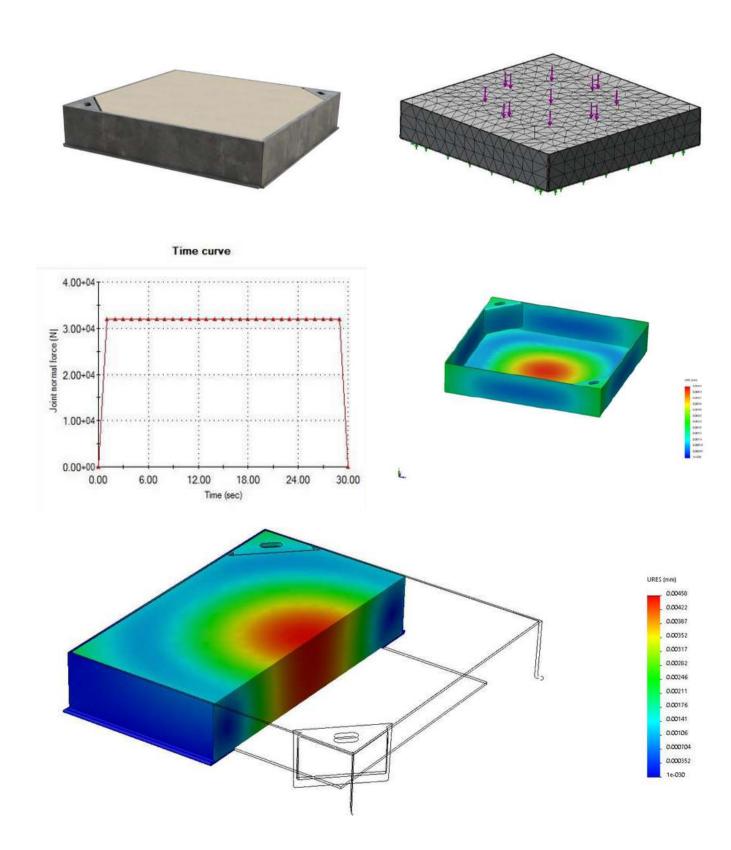


Loading Test Example



Galco range of recess covers is manufactured and tested in accordance with the FACTA Class Specification. See loading Classification Page 2.

The recess covers have been tested using a concrete in-fill with a strength class of C32/40. Covers have been physically tested using our in-house ISO audited tested machine and verified using the engineering design package Solid Works FEA analysis by an outsourced 3rd party engineering company. See sample report below.





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