

Artcraft

Trench Covers Road Plates & Ramps



Australia's leading manufacturer of Traffic
Signs and Workzone Safety Products

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LowPro 23/05 Road Plate

Heavy duty modular trench cover for roads and sidewalks

The Lowpro 23/05 Road Plate is the ideal substitute for the steel plate, giving you more safety and versatility. There is no need for heavy lift equipment.



The LowPro 23/05 Road Plate is the ideal substitute to the steel plate, giving you more safety & versatility. There is no need for heavy lift equipment.



Features

- ▶ Modular Road Plate System is a safer & cost effective alternative to steel plates
- ▶ Innovative & patented Flexi-Edge greatly reduces noise pollution, and eliminates cold patch ramping around edges
- ▶ Inbuilt steel linking pins interlock plates together
- ▶ Suitable for 44 tonnes vehicle over 1200mm trench
- ▶ Suitable for pedestrians over 1600mm trench
- ▶ Each section weighs 60kg & can be installed in minutes with a 2 person lift
- ▶ Molded anti-slip surface provides safer pedestrian access
- ▶ Hi-visibility yellow encourages traffic calming
- ▶ Underside steel drop pins increase lateral stability
- ▶ Complies with AS3996 Access Covers & Grates and AS1428 Design for Access & Mobility

LowPro 23/05 Road Plate

Technical Specifications

LowPro 23/05 Road Plate

Artcraft Product Code: **4900810**

Product No. 0839

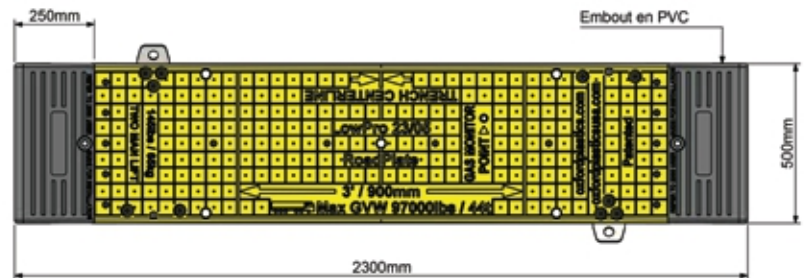
Length, end to end 2300mm

Width 500mm

Weight 60kg

Number/pallet 16

Colour Yellow & Grey as standard
(Flexi-edge customisation available)



LowPro 23/05 End Plate

Artcraft Product Code: **4900811**

Product No. 0726

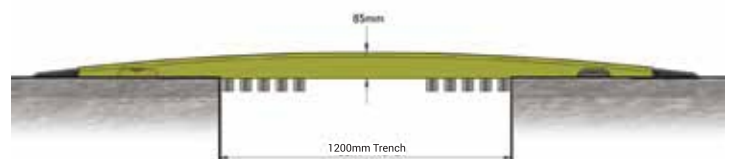
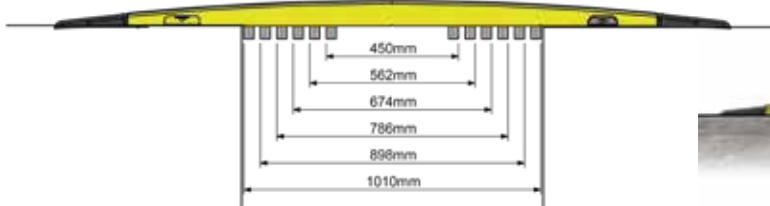
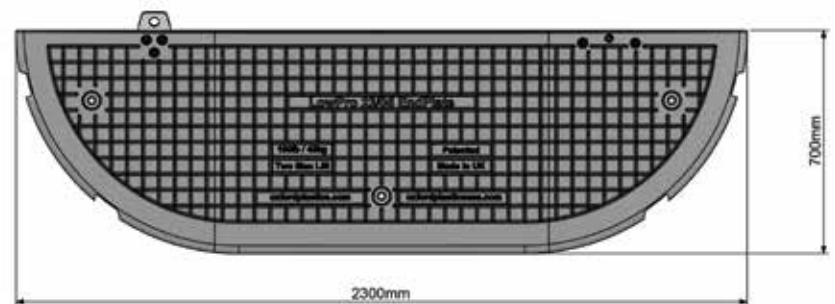
Length, end to end 2300mm

Width 500mm

Weight 50kg

Number/pallet 16

Colour Grey as standard



Pre-Installation Safety Guidelines & Maintenance

Please note: Trench stability must be assessed prior to the Road Plate being installed to ensure that the ground conditions don't require shoring.



Installation Kit

SDS Hammer Drill

SDS 22mm Drill Bit

Torque Wrench

2 x M16 Bolts

(per LowPro section)



1. Check top surface of Road Plate for signs of damage.



2. Ensure drop pins are moving freely.



3. Check linking plate bolts are tight on top.



4. Check linking plate bolts are tight underneath.

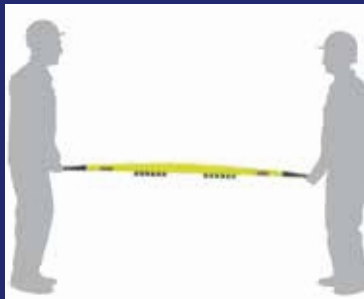
► Each LowPro 23/05 Road Plate section weighs approx. 60kg and should be lifted by 2 people.

► Confirm all parts & components are securely attached and in working order.

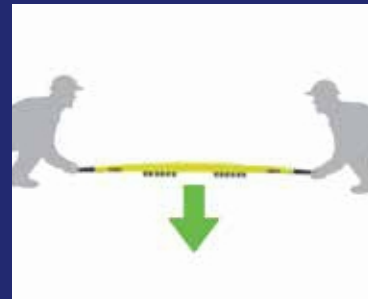
LowPro 23/05 Road Plate Installation Instructions



1. Ensure max trench width less than 900mm for 44t load, and less than 1200mm for pedestrian load.



2. Two person lift at all times.



3. Lower into position.



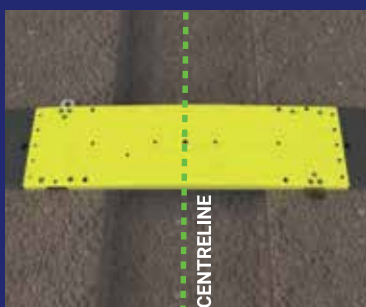
4. Do not throw or drop on edge.



5. Do not lift using male connector.



6. Sweep the area around the trench to remove debris.



7. Place first inner Road Plate section centrally over the trench using centreline mark as a guide.



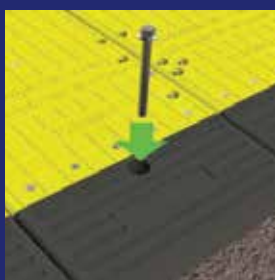
8. Lower next plate at an angle so the connectors fit into the slots.



9. When the connectors are in the slots carefully lower the plate.



10. Repeat previous step until entire trench is covered by inner Road Plate sections.



12. Use M16 bolts to secure the Road Plates & End Plates to the road.



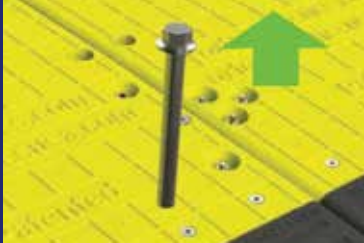
13. If required, connect the Road Plate sections, repeating step 8.



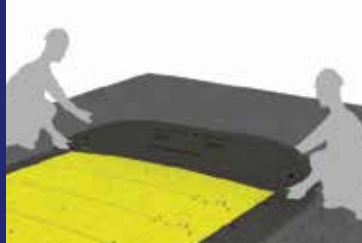
14. End section is not load bearing. Do not place end section over trench.

LowPro 23/05 Road Plate

Dismantling Instructions



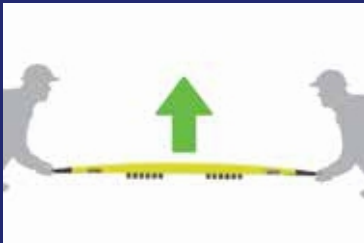
1. Remove bolts that were used to anchor the Road Plates to the road.



2. Starting from the end sections, carefully lift the plate at an angle and slide outwards to remove plate.



3. Repeat step 2 to remove each section at a time.



4. Lift by hand.



5. Do not use the male connector as a dragging point.



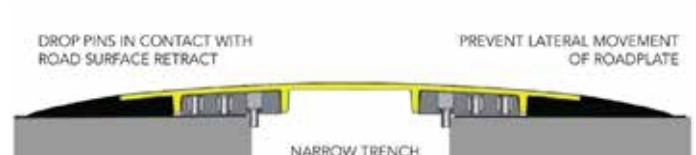
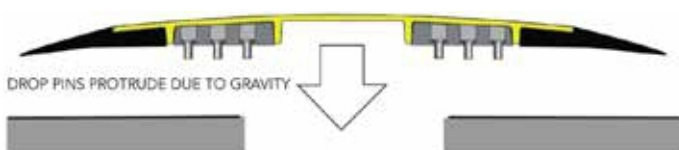
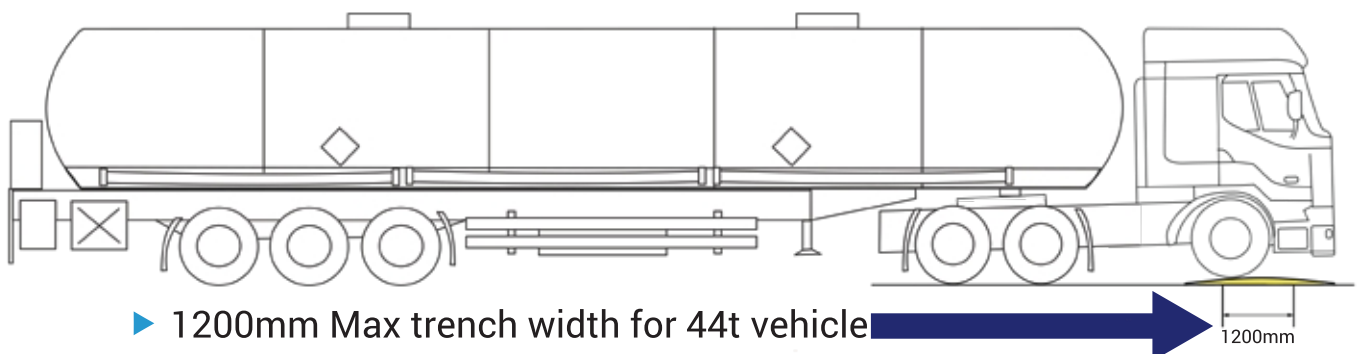
6. Do not use tools to aid lifting.



7. Clean after use.



8. Store on a pallet.



▶ Integral drop pins increase product stability.
ALWAYS check the drop pins are in good working order.

LowPro 15/05 Road Plate

A lightweight and long lasting alternative to steel

The Lowpro 15/05 Road Plate is a modular system of composite sections that link together.



There's no need for heavy lift equipment as the road plate weighs only 42kg and can be installed in minutes with only two people. The integrated anti-skid surface, which exceeds current road plate standards, provides positive traction, for both vehicle and pedestrian traffic. The innovative flexible edge reduces unwanted noise, improving quality of life in residential areas.

Features

- ▶ Modular Composite Road Plate System
- ▶ Tested to a vehicle weight of 44 tonnes over a 700mm trench
- ▶ Molded anti-skid surface
- ▶ Heavy duty steel drop pins increase lateral stability
- ▶ Heavy duty linking connectors lock the road plates together securely
- ▶ End sections equipped with anchor holes to accommodate securing to the roadway
- ▶ Refurbishment service available
- ▶ High visibility feature provides traffic calming
- ▶ No need for heavy lift equipment
- ▶ Complies with AS3996 Access Covers & Grates and AS1428 Design for Access & Mobility



LowPro 15/05 Road Plate

Technical Specifications

LowPro 15/05 Road Plate

Artcraft Product Code: **4900830**

Product No. 0830

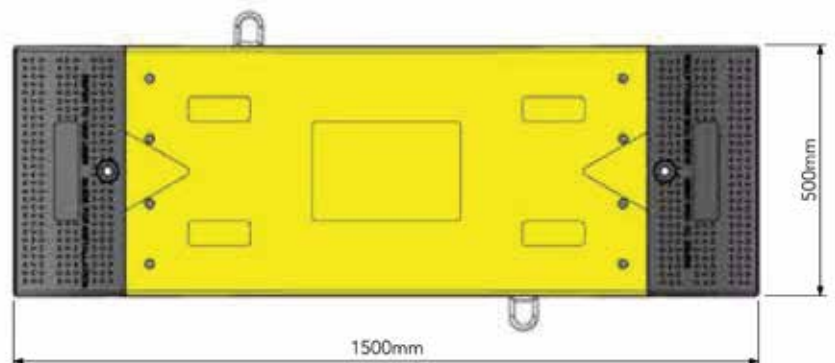
Length, end to end 1500mm

Width 500mm

Weight 42kg

Number/pallet 20

Colour Yellow & Black as standard
(Flexi-edge customisation available)



LowPro 15/05 End Plate

Artcraft Product Code: **4900814**

Product No. 0814

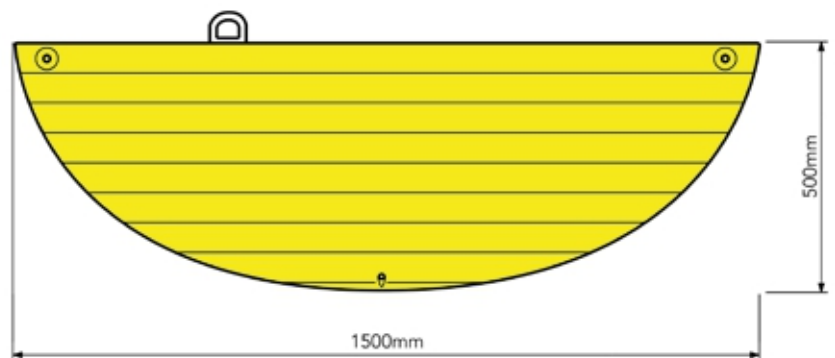
Length, end to end 1500mm

Width 500mm

Weight 23kg

Number/pallet 20

Colour Yellow



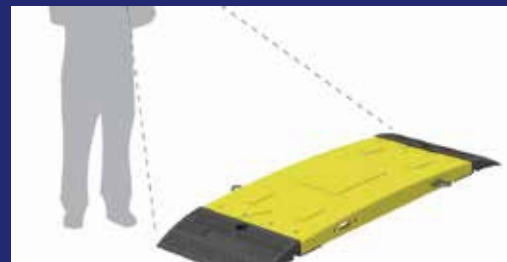
Pre-Installation Safety Guidelines & Maintenance

Please note: Trench stability must be assessed prior to the Road Plate being installed to ensure that the ground conditions don't require shoring.



Installation Kit

- ▶ SDS Hammer Drill
- ▶ SDS 22mm Drill Bit
- ▶ Torque Wrench
- ▶ 2 x M16 Bolts
(per LowPro section)



1. Check top surface of Road Plate for signs of damage.



2. Ensure drop pins are moving freely.



3. Check linking plate bolts are tight on top.

- ▶ Each LowPro 15/05 Road Plate section weighs approx. 42kg and should be lifted by 2 people.

- ▶ Confirm all parts & components are securely attached and in working order.

LowPro 15/05 Road Plate

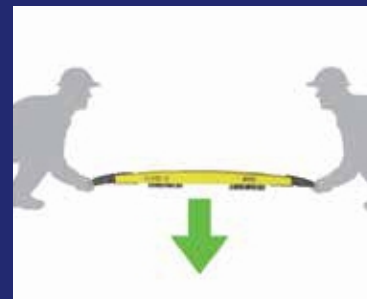
Installation Instructions



1. Ensure max trench width less than 700mm for 44t load. Assess trench stability prior to install.



2. Two person lift at all times.



3. Lower into position.



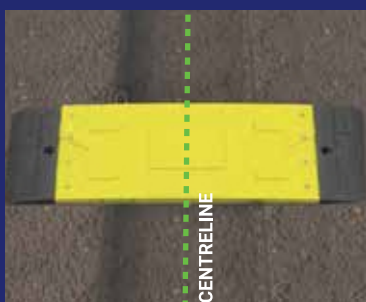
4. Do not throw or drop on edge.



5. Do not lift using male connector.



6. Sweep the area around the trench to remove debris.



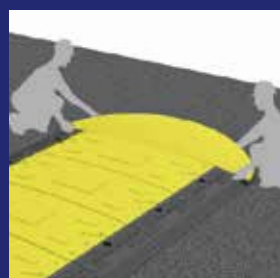
7. Place first inner Road Plate section centrally over the trench using centreline mark as a guide.



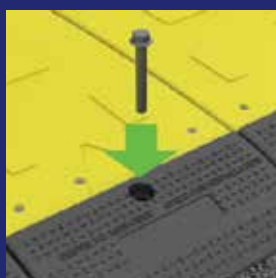
8. Lower next plate at an angle so the connectors fit into the slots.



9. When the connectors are in the slots carefully lower the plate.



10. Repeat previous step until entire trench is covered by inner Road Plate sections.



12. Use M16 bolts to secure the Road Plates & End Plates to the road.



13. If required, connect the Road Plate sections, repeating step 8.



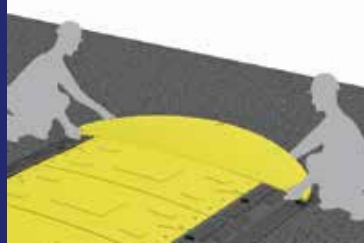
14. End section is not load bearing. Do not place end section over trench.

LowPro 15/05 Road Plate

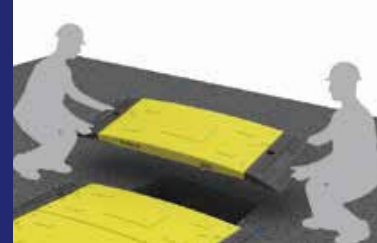
Dismantling Instructions



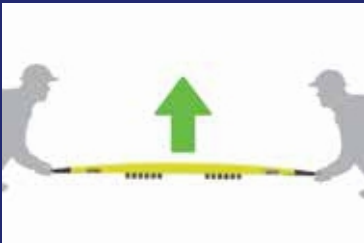
1. Remove bolts that were used to anchor the Road Plates to the road.



2. Starting from the end sections, carefully lift the plate at an angle and slide outwards to remove plate.



3. Repeat step 2 to remove each section at a time.



4. Lift by hand.



5. Do not use the male connector as a dragging point.



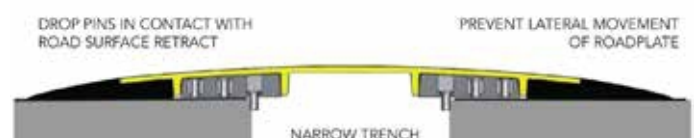
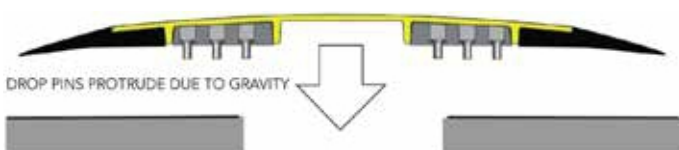
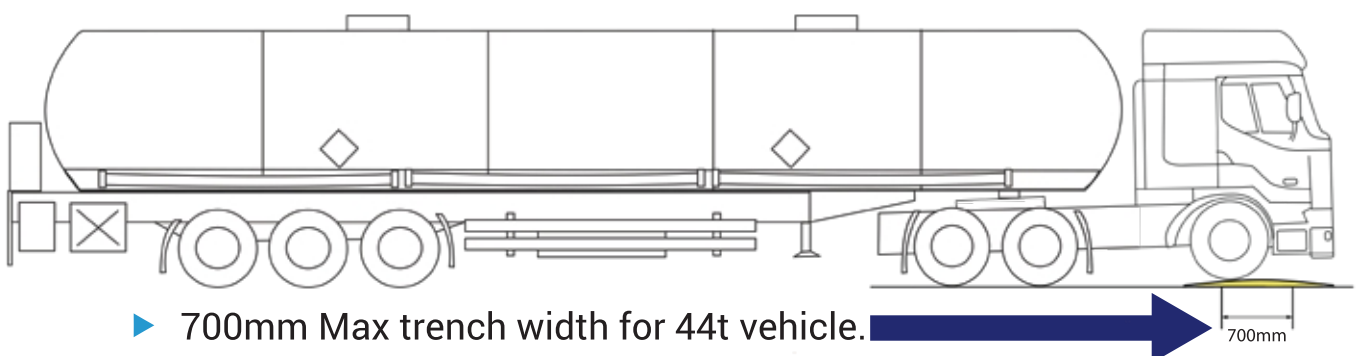
6. Do not use tools to aid lifting.



7. Clean after use.



8. Store on a pallet.



▶ Integral drop pins increase product stability.
ALWAYS check the drop pins are in good working order.

LowPro 12/8 Trench Cover

The new LowPro 12/8 trench cover has an innovative Flexi-Edge system which greatly reduces trip hazards for pedestrians. Its innovative design reduces installation time as there is no need to bolt the product down, but is still very stable.



The underside and edge of the Low Pro 12/8 are made from a soft flexible material which grips the surface underneath the board and helps to reduce any unwanted movement as it is antislip, non-pinned and self-weighted. Its innovative design reduces installation time as there is no need to bolt the product down, but is still very stable.



Features

- ▶ Heavier than traditional trench covers thanks to its PVC anti slip edge
- ▶ Central section made from glass reinforced composite
- ▶ Very stable without bolting.

- ▶ Takes up any cambers in the pavement
- ▶ Greatly reduced trip hazard for pedestrians
- ▶ Covers a 700mm trench
- ▶ Supports a weight up to 500kg
- ▶ Gas Vents and Probe Hole designed into product
- ▶ Shock resistant
- ▶ Can be personalised with corporate colour and logo
- ▶ Long lasting product - Flexible edges can be replaced
- ▶ Anti-trip flexible edge
- ▶ Quick installation - does not need to be bolted down
- ▶ Complies with AS3996 Access Covers & Grates and AS1428 Design for Access & Mobility

LowPro 12/8

Trench Cover



LowPro 12/8

Artcraft Product Code: **4900362**

Product No. 0362

Length, end to end 1200mm

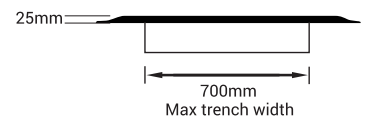
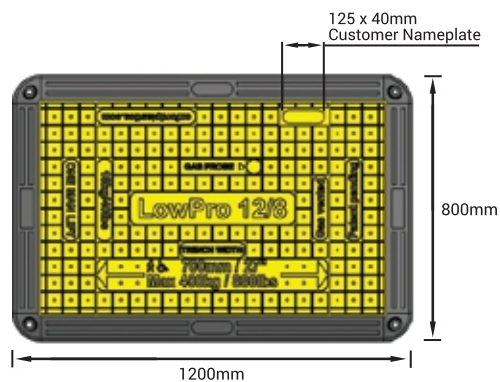
Width 800mm

Height 28mm

Weight 17kg

Number/pallet 30

Colour Yellow as standard
(Other colours on request)



LowPro 15/10 Driveway Board and Pedestrian Cover

The New LowPro 15/10 uses our patented Flexi-edge system to greatly reduce trip hazards for pedestrians and to reduce unwanted movement.



This product was commissioned by National Grid UK to design a cover to support a load of one wheel of a 3.5t vehicle, over a 900mm span, & to use the LowPro technology. In most site configurations the product will not need to be fixed in place which reduces installation time and reduce costs of reinstatement, reducing the need to use steel plates in driveway applications. The increased loading and design also enables the product to be used in pedestrian applications that require a span up to 1200mm. The new design, developed in collaboration with Utilities and Contractors, alike, provides a single product that works in multiple applications.

Features

- ▶ More stable than traditional trench covers thanks to its PVC anti slip edge and higher load rating
- ▶ Inner yellow section made from glass reinforced composite

- ▶ Lighter than Steel Road Plates making it easier to manoeuvre and transport for driveway applications
- ▶ Very stable without anchoring (does not need to be fixed in most applications)
- ▶ Can be anchored, if site conditions are required
- ▶ Covers 900mm trench for 3.5t vehicle and 1200mm for pedestrian traffic up to 400kg.
- ▶ Gas Vents and Probe hole designed into product
- ▶ Shock Resistant
- ▶ Two person lift
- ▶ Can be personalized with corporate color and logo on the flexible edge
- ▶ Complies with AS3996 Access Covers & Grates and AS1428 Design for Access & Mobility

LowPro 15/10

Driveway Board and Pedestrian Cover



LowPro 15/10

Artcraft Product Code: **4900815**

Product No. 0815

Length, end to end 1500mm

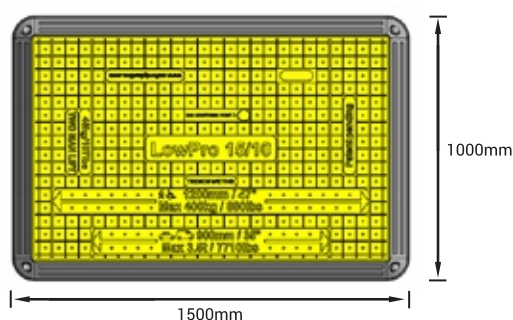
Width 1000mm

Height 35mm

Weight 42 - 48kg

Number/pallet 20

Colour Yellow as standard
(Other colours on request)



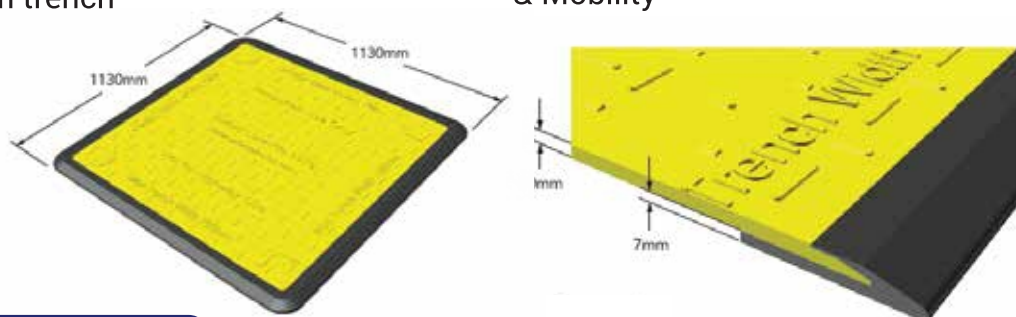
LowPro 11/11 Trench Cover

The LowPro 11/11 trench cover has an innovative Flexible Edge which greatly reduces trip hazards for pedestrians and helps to reduce any unwanted movement.

Anchoring or securing is not required therefore reducing installation time.

Features

- ▶ Anti-slide footpath board
- ▶ Rigid inner section made from glass reinforced composite
- ▶ Very stable without anchor
- ▶ Contours to cambers in the pavement
- ▶ Reduced trip hazard for pedestrians
- ▶ Covers a 700mm trench
- ▶ Supports a weight up to 500kg
- ▶ Shock resistant
- ▶ Can be personalized with corporate color and logo
- ▶ Flexible edges can be replaced
- ▶ Complies with AS3996 Access Covers & Grates and AS1428 Design for Access & Mobility



LowPro 11/11

Artcraft Product Code:

Product No. 0825

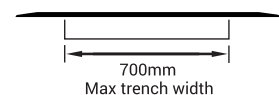
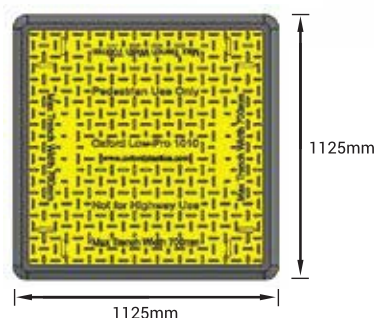
Length, end to end 1125mm

Width 1125mm

Weight 26kg

Number/pallet 30

Colour Yellow as standard
(Other colours on request)



Safe Cover 12/8

Trench Cover

The Safe Cover 12/8 is a versatile safety cover that is rigid in construction, yet lightweight. This sturdy glass reinforced composite cover maintains performance in demanding situations.

Suitable for trenches up to 700mm wide.

Features

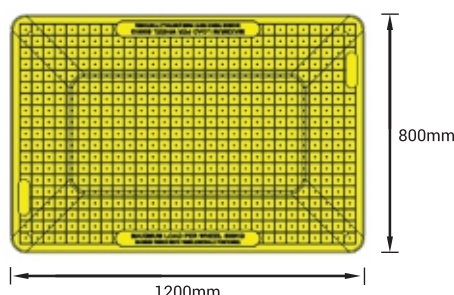
- ▶ Moulded from a single piece of glass reinforced composite
- ▶ Slip resistant surface and chamfered edges to prevent tripping
- ▶ Underside has ribbed framework for added strength
- ▶ Can take the distributed weight of a vehicle of up to 2000kg
- ▶ Can be embossed with company name or logo for corporate branding.
- ▶ Lighter than a steel cover
- ▶ Stronger than a wooden plate
- ▶ Complies with AS3996 Access Covers & Grates and AS1428 Design for Access & Mobility



Safe Cover 12/8

Artcraft Product Code: **4900307**

Product No.	0307
Length, end to end	1200mm
Width	800mm
Height	30mm
Weight	17.5kg
Number/pallet	30
Colour	Yellow as standard (Other colours on request)



Safe Cover 16/12 Trench Cover

Designed primarily for use in street works, Safe Cover 16/12 is strong and secure. Safe Cover 16/12 can take a distributed weight of up to 2 tonnes.

Features

- ▶ Moulded from a single piece of glass reinforced composite
- ▶ Designed to cover trenches of a maximum width of 900mm
- ▶ Slip resistant surface and chamfered edges to prevent tripping
- ▶ Underside has ribbed framework for added strength
- ▶ Can take the distributed weight of a vehicle of up to 2000kg
- ▶ Can be embossed with company name or logo for corporate branding

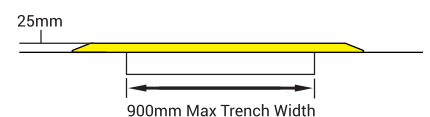
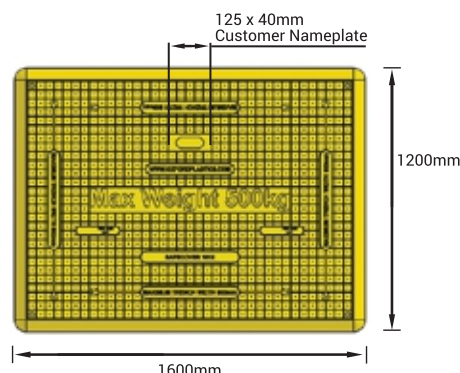
- ▶ Wide design suitable for driveway access
- ▶ Complies with AS3996 Access Covers & Grates and AS1428 Design for Access & Mobility



Safe Cover 16/12

Artcraft Product Code: **4900820**

Product No.	0820
Length, end to end	1600mm
Width	1200mm
Height	25mm
Weight	33kg
Number/pallet	25
Colour	Yellow as standard (Other colours on request)



SafeKerb Ramp

The SafeKerb Ramp is lightweight & portable, designed for easy transition from street to curb.

It can provide easy access for foot traffic, bicycles, and hand trucks up to 250kg.

Features

- ▶ Effective anti-slip surface and raised sides
- ▶ Adapts to varying kerb or step heights (60-160mm)
- ▶ Recommended to be anchored down for maximum stability and security
- ▶ Easy access from street to curb for foot traffic, bicycles, hand trucks
- ▶ Made from High-density polyethylene (HDPE)
- ▶ 100% recyclable
- ▶ Compact stacking for easy transport & storage

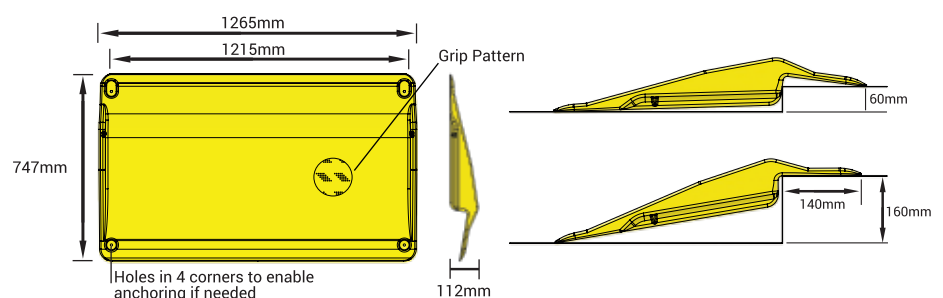
- ▶ Complies with AS3996 Access Covers & Grates and AS1428 Design for Access & Mobility



SafeKerb Ramp

Artcraft Product Code:

Product No.	0804
Length between side guards	1265mm
Length, end to end	1215mm
Width	747mm
Height	112mm
Weight	6kg
Number/pallet	20
Colour	Yellow



SupaGrip SafeKerb Ramp

The SupaGrip SafeKerb Ramp provides a safe means for wheelchairs to reach the next level when a footpath has been closed for street works.

It can also provide easy access for scooters up to 350kg.



Features

- ▶ Effective anti-slip surface and raised sides
- ▶ Adapts to varying curb or step heights 60-160mm
- ▶ Very stable without anchoring
- ▶ Does not need to be anchored in most applications
- ▶ Can be anchored if necessary
- ▶ Can be used as an access for wheelchairs and scooters up to 350kg
- ▶ 100% recyclable
- ▶ Compact stacking for easy transport & storage
- ▶ Complies with AS3996 Access Covers & Grates and AS1428 Design for Access & Mobility



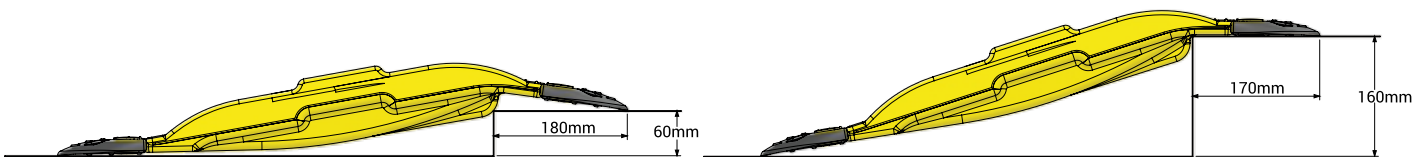
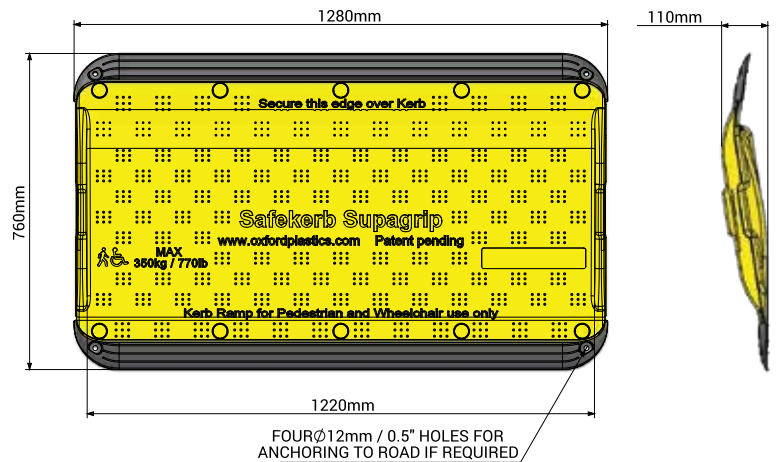
SupaGrip SafeKerb Ramp

Technical Specifications

SupaGrip SafeKerb Ramp

Artcraft Product Code: **4900836**

Product No.	0836
Length between side guards	1282mm
Length, end to end	1219mm
Width	760mm
Height	Adjustable to kerb
Weight	10kg
Number/pallet	30
Colour	Yellow



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Artcraft

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