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MACHINERY GUARDING



De-fence is designed to comply with AS4024.1 when used as machinery guarding. Alternatively, its flexible design lends itself to many applications, including forklift separation. De-fence can be configured in two standard heights. All panels have the ability to swing through 180°. Any fixed panel can be converted to a gate or vice versa simply by deleting or adding brackets.

You may also be interested in:



02 PEDESTRIAN SEPARATION



03 IMPACT ABSORBING



06 EXPANDING BARRIERS



08 SAFETY PRODUCTS

DE-FENCE SAFETY FENCE

The De-fence System

De-fence is modular guarding and fencing system. Designed to comply with AS4024.1. De-fence is simple to install, flexible and configures to the widest range of applications.

The system comprises a range of standard panel lengths from 500 to 2000mm with the option of welded mesh or polycarbonate infill, plus a choice of steel or aluminium posts.

Steel posts

De-fence steel posts are manufactured from 75 x 75 x 2.5mm thick RHS tube. They are pre-drilled on all 4 sides to accept our range of steel brackets and finished in high visibility safety yellow powder coat.

Available in two standard heights, 1300 and 2460mm with welded bases.

Aluminium posts

De-fence aluminium posts are extruded with full length slides on all four sides for adjusting the mounting brackets, 72 x 72 x 4mm thick wall and a mill (raw) finish as standard. Available in up to 5 metre lengths they can be cut to any length.

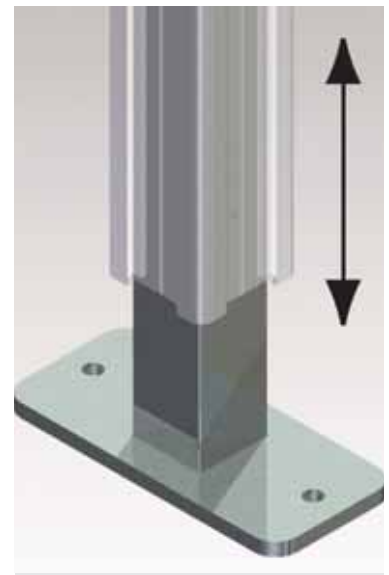
Use with galvanised steel adjustable feet



De-fence as pedestrian separation.



Steel post with welded steel base.



Aluminium posts with adjustable galvanised steel base.



AS4024.1 SAFETY OF MACHINERY

Our 'De-fence' machinery guarding system has been designed to comply with AS4024.1

Some key features of the De-fence system are:

- When used at its full height of 2410mm 'De-fence' exceeds the standard. (The industry norm is only 2000mm)
- Clearance below the panels is 100mm which allows for cleaning but prevents unauthorized access.
- Panels in the system can only be removed or adjusted using tools not normally available to operators.
- Panel mesh aperture is 22 x 22mm meaning 'De-fence' can be located at the minimum 120mm from a hazard.



De-fence as machinery guarding.

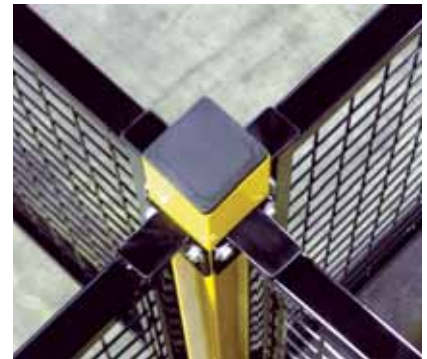
DE-FENCE FEATURES

**Mesh In-fill**

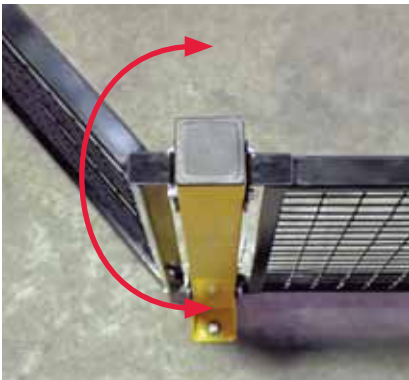
25 x 25 x 3mm welded mesh in-fill with black powder coated finish. Aperture size 22 x 22mm. Panel frame is 38 x 25 x 1.6mm steel RHS.

**Polycarbonate In-fill**

Optional, unbreakable 3mm thick clear polycarbonate in-fill secured in place with a custom aluminium extrusion. Panel frame is 38 x 25 x 1.6mm steel RHS.

**Four-way Connectivity**

Both steel and aluminium posts accept panel brackets on all 4 sides, this makes them ideal for multisided enclosures or changes in direction.

**180° Swing**

Our unique bushing system means panels can swing through more than 180°. This feature allows panels to come off the posts at any angle. With all connections being bushed there is no rattling or noisy panels.

**Gate**

With De-fence any fixed panel becomes a gate simply by removing the panel brackets from one side and pivoting on the other, left hand or right hand. A choice of latch systems completes the gate.

**Gate Stop DF-GS**

A non latching gate stop for use with self closing gates. Manufactured from moulded polymer material, it is both very durable and quiet in operation.

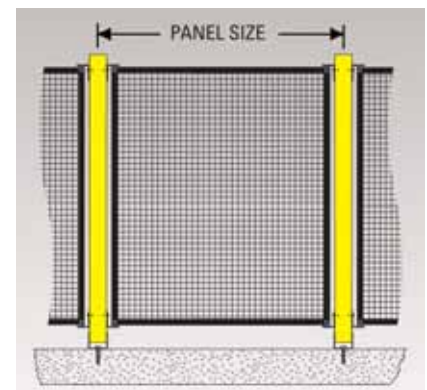
**Gate Latch DF-LL**

A gravity action gate latch kit for use with single De-fence locks and latches from one side only.

The DF-LLR is remote release kit to suit DF-LL when installed on double De-fence. Allows the latch to be operated from both sides of the fence.

**Lokk-bolt DF-LB**

The Lokk-bolt security drop bolt is a key lockable bolt for use with double gates. Clever bolt retention grooves mean that the bolt will never drop or drag. Manufactured from moulded polymer material with stainless steel components.

**Standard Panel Sizes**

Standard range of panels sizes available – 500, 750, 1000, 1500 and 2000mm wide by 1150mm deep. (Note: Panel widths relate to actual post centres). Available in either mesh or polycarbonate in-fills.

STEEL POSTS

De-fence steel posts are manufactured from 75 x 75 x 2.5mm thick RHS tube. They are pre-drilled on all 4 sides to accept our range of steel brackets and finished in high visibility safety yellow powder coat.

Specifications:

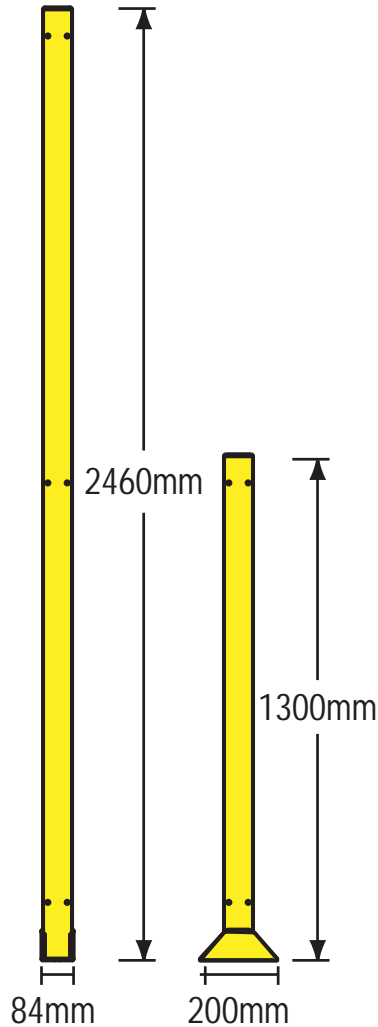
Description:	Pre-drilled SHS posts.
Material:	75 x 75 x 2.5mm SHS.
Finish:	Yellow powder coat.
Height:	1300 or 2460mm.
Width:	75 x 75mm.
Foot print:	200 x 84mm.
Weight:	1300mm – 7.4kgs. 2460mm – 12.0kgs.
Installation:	2 off M10 x 75mm concrete screw anchors. (Supplied).

STEEL BRACKETS

A range of four mounting brackets for connecting panels and our steel posts.

Specifications:

Description:	Panel to post connecting brackets. (4 types).
Material:	4mm mild steel.
Finish:	Black powder coat.
Weight:	Approx. 300grams.
Installation:	2 off M8 x 12mm Hex, head bolts with washers (supplied).



Steel Posts

Pre-drilled SHS posts 75 x 75 x 2.5mm in two standard heights 1300mm and 2460mm.



DF-SPB

Standard Panel bracket kit

This bracket provides universal panel mounting where no side adjustment is required.



DF-APB

Adjustable panel bracket kit

Use in place of DF-SPB where side adjustment is required. Allows for up to 12mm of adjustment.



DF-PCB

Panel connector bracket kit

Used on double De-fence for joining upper and lower panels.



DF-SGB

Self-closing gate bracket kit

Use as either the top or bottom gate hinge. Allows tension adjustment for gate closure. (Use only 1 per gate.)










Steel Post Bases

Post bases are made from heavy 4mm thick mild steel fully welded to the posts. All posts have 25mm cable access at the base. Fixed to the ground using two 12mm in-ground anchors. When the post is removed the floor is left flush with no protrusions.

PART No.	DESCRIPTION
DFP1300	Post 1300 x 75 x 75mm with fixings
DFP2460	Post 2460 x 75 x 75mm with fixings
DF-SPB	Standard panel bracket kit
DF-APB	Adjustable panel bracket kit
DF-PCB	Panel connector bracket kit
DF-SGB	Self-closing gate bracket kit
DF-CP	De-fence panel connector pin

DE-FENCE ESTIMATOR – Using Steel Posts

ITEM	Part No.	Description	Quantity	Comment
	DFP1300 DFP2460	Single height post Double height post	_____ _____	<ul style="list-style-type: none"> All De-fence posts are pre-drilled and tapped to 8mm on all four sides for total flexibility. Supplied with welded bases and masonry fixings.
	DFP2000M DFP1500M DFP1000M DFP750M DFP500M	Mesh panel 2000mm long Mesh panel 1500mm long Mesh panel 1000mm long Mesh panel 750mm long Mesh panel 500mm long	_____ _____ _____ _____ _____	<p>Note: Panel sizes shown actually reflect the distance between post centres. Eg. A 2000mm panel is the distance from post centre to post centre.</p> <p>Standard panels are powder coated black finish with 25 x 25 x 3mm welded mesh infill (aperture size 22 x 22mm). Optional panels with 3mm thick clear polycarbonate in-fill. Polycarbonate is secured in place with continuous custom aluminium extrusion on all four sides.</p>
	DFP2000P DFP1500P DFP1000P DFP750P DFP500P	Polycarbonate panel 2000mm long Polycarbonate panel 1500mm long Polycarbonate panel 1000mm long Polycarbonate panel 750mm long Polycarbonate panel 500mm long	_____ _____ _____ _____ _____	<p>Note: Panel sizes shown actually reflect the distance between post centres. Eg. A 2000mm panel is the distance from post centre to post centre.</p> <p>Standard panels are powder coated black finish with 25 x 25 x 3mm welded mesh infill (aperture size 22 x 22mm). Optional panels with 3mm thick clear polycarbonate in-fill. Polycarbonate is secured in place with continuous custom aluminium extrusion on all four sides.</p>
	DF-SPB DF-APB DF-PCB DF-SGB DF-CP	Standard panel bracket Adjustable panel bracket Panel connector bracket Self closing gate bracket Gate connector pin	_____ _____ _____ _____ _____	<ul style="list-style-type: none"> Provides universal panel mounting where no side adjustment is required. Up to 40mm vertical adjustment. Allows up to 12mm of side adjustment with 40mm vertical adjustment. Can be used in place of DF-SPB. Use on double De-fence for joining upper and lower panels. Use for gates only. Replaces either top or bottom bracket on hinge side of gate. Adjustable for closing tension. Use 1 per gate. Connects top and bottom panel when using a gate.
	DF-GS	Gate stop	_____	<ul style="list-style-type: none"> Non-latching gate stop for use with self closing gates.
	DF-LL DF-LLR	General purpose gate latch Remote gate latch release	_____ _____	<ul style="list-style-type: none"> Lockable and self latching. Optional gate latch release for use with double height gates.
	DF-LB	Lockable drop bolt	_____	<ul style="list-style-type: none"> Key lockable. Use with double gates.

ALUMINIUM POSTS

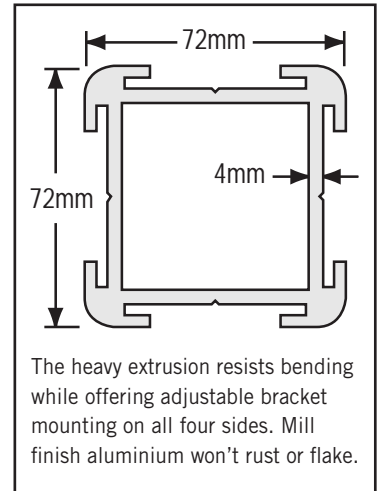
De-fence aluminium posts are extruded with full length slides on all four sides for adjusting the mounting brackets, 72 x 72 x 4mm thick wall and a mill (raw) finish as standard. Available up to 5 metres long they can be cut to any length. Use with galvanised steel adjustable feet (DFPB-A).

Specifications:

Description:	Extruded aluminium post.
Material:	72 x 72 x 4mm aluminium.
Finish:	Mill finish (uncoated).
Height:	Cut to length (maximum 5000mm).
Foot print:	Inline post base 100 x 200mm. Corner post base 200 x 200mm. (Bases ordered separately).
Weight:	4kgs per metre.
Installation:	Slip fit to base with retaining screw.



Three cast-in pin locations allow panels to be mounted in the centre of the posts, or offset to the front or back of the posts for gate applications.



ALUMINIUM BRACKETS

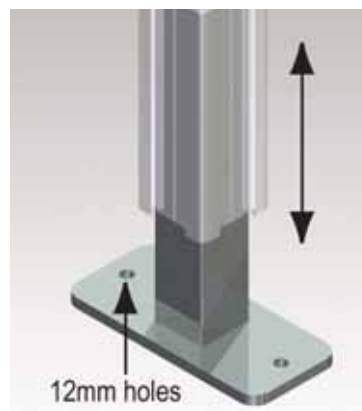
A two-piece cast aluminium bracket that can slide up or down the full length of the post. Locks in place with a single hex socket screw.

Specifications:

Description:	Two-piece aluminium bracket.
Material:	Cast aluminium.
Finish:	Mill finish (uncoated).
Weight:	60 grams each.
Installation:	Single hex socket screw (supplied).

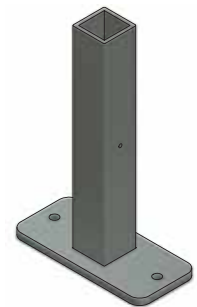


The two-piece design requires only a single hex socket screw to lock it in place on the post. Brackets can be mounted anywhere up or down the post.



Adjustable Post Base

A heavy welded and galvanised steel base that extends 300mm up into the aluminium post extrusion. Uneven floors are accommodated simply by sliding the post up or down on the base before locking in place. Available in two models and supplied with M10 x 75mm concrete screw anchors.



Inline post base – DFPB1-A

10mm thick welded steel construction. 200 x 100mm hot dip galvanised.



Corner post base – DFPB2-A

10mm thick welded steel construction. 200 x 200mm hot dip galvanised.










90mm

Aluminium Posts

Extruded aluminium posts 72 x 72 x 4mm are cut to any length up to 5 metres. (Bases ordered separately).

PART No.	DESCRIPTION
DFP1300-A	Aluminium post 1300 x 72 x 72mm
DFP2460-A	Aluminium post 2460 x 72 x 72mm
DFPB1-A	Inline post base 200 x 100 x 10mm
DFPB2-A	Corner post base 200 x 200 x 10mm
DF-SGB-A	Self closing gate bracket – Aluminium
DF-SPB-A	Standard panel bracket – Aluminium

DE-FENCE ESTIMATOR – Using Aluminium Posts

ITEM	Part No.	Description	Quantity	Comment
	DFP1300A	Single height aluminium post	_____	<ul style="list-style-type: none"> Aluminium posts are extruded with full length slides on all four sides. Posts can be cut to any length.
	DFP2460A	Double height aluminium post	_____	
	DFPB1-A	Inline post base	_____	<ul style="list-style-type: none"> These post bases are a welded and hot dip galvanised construction. Supplied with M10 x 75mm fixings.
	DFPB2-A	Corner post base	_____	
	DFP2000M	Mesh panel 2000mm long	_____	<p>Note: Panel sizes shown actually reflect the distance between post centres. Eg. A 2000mm panel is the distance from post centre to post centre.</p> <p>Standard panels are powder coated black finish with 25 x 25 x 3mm welded mesh infill (aperture size 22 x 22mm). Optional panels with 3mm thick clear polycarbonate in-fill. Polycarbonate is secured in place with continuous custom aluminium extrusion on all four sides.</p>
	DFP1500M	Mesh panel 1500mm long	_____	
	DFP1000M	Mesh panel 1000mm long	_____	
	DFP750M	Mesh panel 750mm long	_____	
	DFP500M	Mesh panel 500mm long	_____	
	DFP2000P	Polycarbonate panel 2000mm long	_____	<p>Note: Panel sizes shown actually reflect the distance between post centres. Eg. A 2000mm panel is the distance from post centre to post centre.</p> <p>Standard panels are powder coated black finish with 25 x 25 x 3mm welded mesh infill (aperture size 22 x 22mm). Optional panels with 3mm thick clear polycarbonate in-fill are available. Polycarbonate is secured in place with continuous custom aluminium extrusion on all four sides.</p>
	DFP1500P	Polycarbonate panel 1500mm long	_____	
	DFP1000P	Polycarbonate panel 1000mm long	_____	
	DFP750P	Polycarbonate panel 750mm long	_____	
	DFP500P	Polycarbonate panel 500mm long	_____	
	DF-SGB-A	Standard panel bracket – Alumin.	_____	<ul style="list-style-type: none"> Provides universal panel mounting. Moveable pins allow for offset to suit gates. Use for gates only. Can be used as a top or bottom bracket. Adjustable for closing tension. Use 1 per gate.
	DF-SPB-A	Self closing gate bracket – Alumin.	_____	
	DF-GS	Gate stop	_____	<ul style="list-style-type: none"> Non-latching gate stop for use with self closing gates.
	DF-LL	General purpose gate latch	_____	<ul style="list-style-type: none"> Lockable and self latching. Optional gate latch release for use with double height gates.
	DF-LLR	Remote gate latch release	_____	
	DF-LB	Lockable drop bolt	_____	<ul style="list-style-type: none"> Key lockable. Use with double gates.

DE-FENCE SITE PLANNER:

Draw your proposed layout here. Use post centres of 500, 750, 1000, 1500 or 2000mm to suit standard panels.



1cm = 1 metre

LEGEND



AUSTRALIAN CONTENT

This product has been designed, developed and is either completely or substantially manufactured in Australia. (The minimum Australian content is between 50 and 100%).



NEW AND UNIQUE

This is a new and unique product. It has either been designed, developed and manufactured by the Barrier Group Pty. Ltd. or it is being seen here for the first time.



100% RECYCLABLE

This product is manufactured from virgin grade raw materials and is 100% recyclable using existing, readily available recycling technology and services.



RECYCLED MATERIALS

This product has been manufactured from either a combination of recycled materials and virgin grade materials or entirely from recycled materials.



HOT DIP GALVANISED

This product has been hot dip galvanised prior to any surface coatings being applied. Hot dip galvanised offers vastly improved corrosion protection and extended life in harsh environments.



FIXINGS INCLUDED

This product comes complete with all the necessary fixings to complete the standard installation. When comparing competitors prices against our own, always ensure they have included the fixings with the product (excludes gravel spikes).



5 YEAR WARRANTY

This product carries a 5 year limited warranty against structural failure due to faulty materials or workmanship in our manufactured products, OR structural failure and major fading due to U.V. degradation in our injection moulded products.

(For full conditions visit www.barriergroup.com.au).

WARNING

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IT'S AGAINST THE LAW – AVOID THE PAIN!