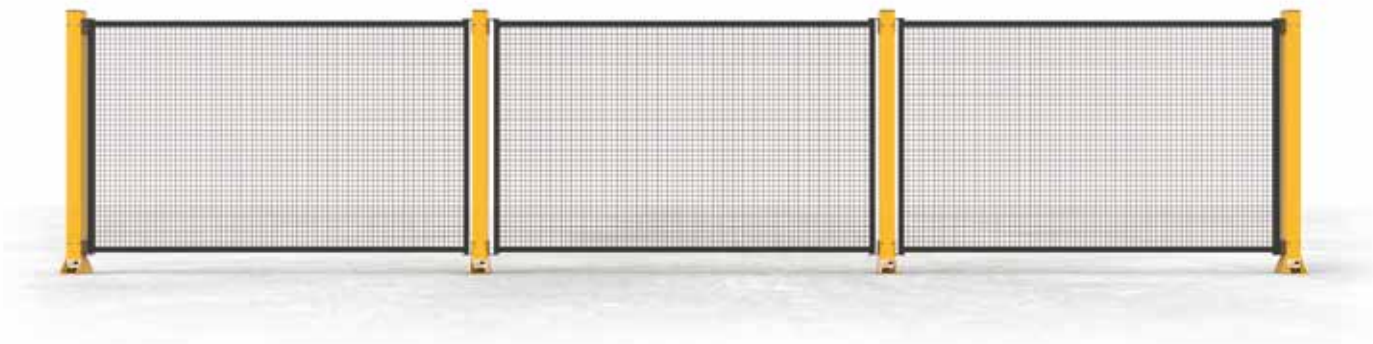


AS4024.1-2019 Safety of Machinery

The standard establishes values for safety distances in both industrial and non-industrial environments to prevent machinery hazard zones being reached, including establishing safe distances to prevent worker's limbs reaching equipment danger zones.



Safety distance for reaching over a protective structure				
Height of hazard zone	Height of protective structure			
	Single Height		Double Height	
	Low Risk	High Risk	Low Risk	High Risk
Horizontal safety distance to hazard zone				
2700mm		Safe	Safe	Safe
2600mm	Safe	800mm	100mm	300mm
2400mm	100mm	1000mm	Safe	
2200mm	600mm	1200mm		
2000mm	900mm	1300mm		
1800mm	1000mm	1400mm		
1600mm				
1400mm				
1500mm			Safe	Safe
1000mm				
800mm	900mm	1300mm		
600mm	500mm			
400mm	300mm	1200mm		
200mm	200mm	900mm		
0mm	200mm	500mm		

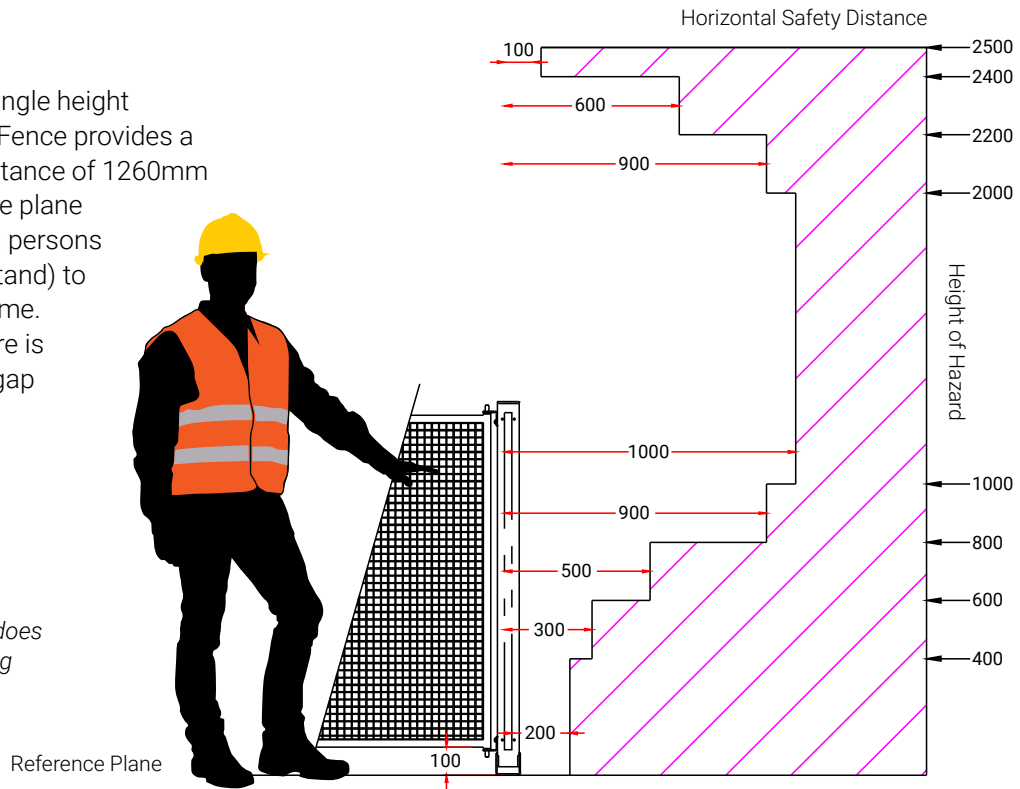
Protective structures less than 1000 mm in height are not included because they do not sufficiently restrict movement of the body.

If there is a high risk from the hazard zone, protective structures lower than 1400 mm should not be used without additional safety measures.

SINGLE HEIGHT Low Risk

When used in a single height configuration De-Fence provides a vertical safety distance of 1260mm from the reference plane (i.e. level at which persons would normally stand) to the top of the frame. The mesh aperture is 22mm while the gap below the panel is 100mm.

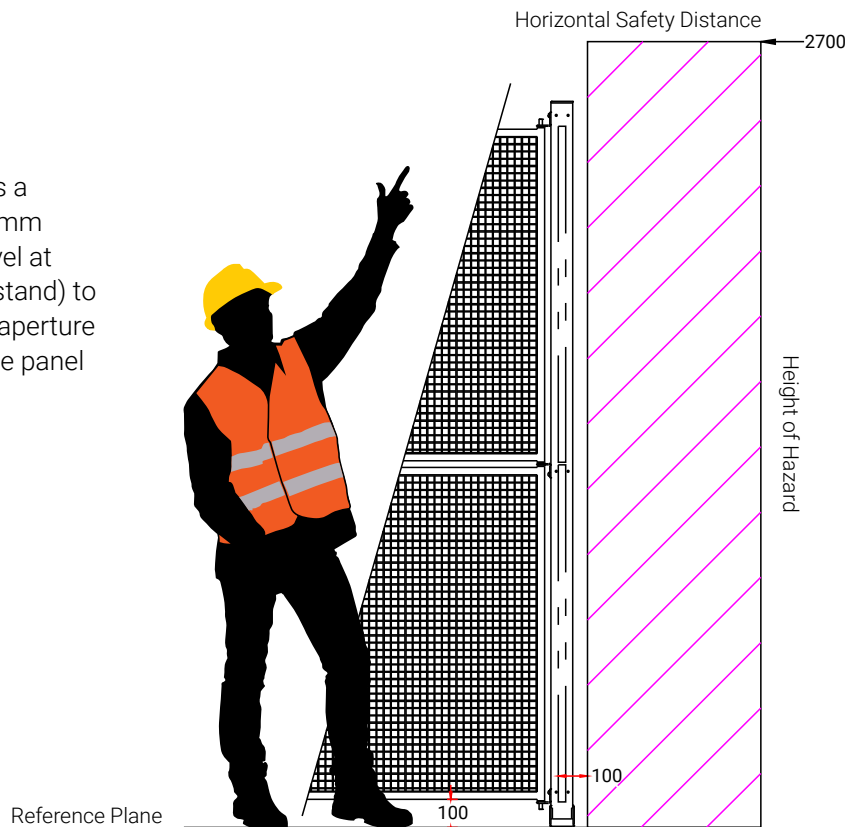
Note: This graphic does not apply to reaching under the guarding.



DOUBLE HEIGHT Low Risk

When used in double height configuration De-Fence provides a vertical safety distance of 2410mm from the reference plane (i.e. level at which persons would normally stand) to the top of the frame. The mesh aperture is 22mm while the gap below the panel is 100mm.

Note: This graphic does not apply to reaching under the guarding.



De-Fence Posts



Part No.	Product Description	Fixings supplied
DFP1280	Defence standard Post Inline 1280 x 75 x 75mm - P/C Yellow	
DFP2490	Defence standard Post Inline 2490 x 75 x 75mm - P/C Yellow	



Part No.	Product Description	Fixings supplied
DFP1280E	Defence end Post offset 1280 x 75 x 75mm - P/C Yellow	
DFP2490E	Defence end Post offset 2490 x 75 x 75mm - P/C Yellow	

Panel Brackets



Part No.	Product Description
DFA-SPB	De-Fence standard panel bracket kit



Part No.	Product Description
DFA-PCB	De-Fence panel connector bracket kit



Part No.	Product Description
DFA-SGB	De-Fence Self-closing bracket kit



Part No.	Product Description
DFA-CP	De-Fence gate connector pin

Accessories



Part No. Product Description

DF-GKP De-Fence gate kick plate



Part No. Product Description

DF-LB De-Fence lockable drop bolt



Part No. Product Description

DF-GS De-Fence gate stop



Part No. Product Description

DF-LL De-Fence lockable gate latch

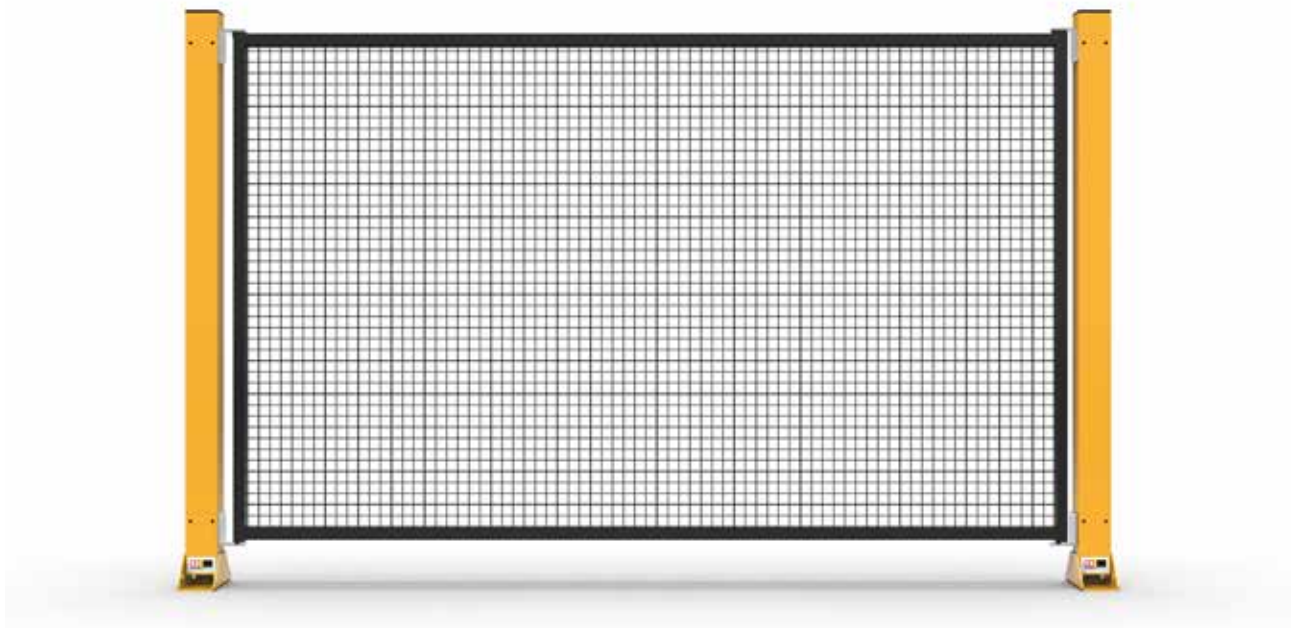


Part No. Product Description

DFA-PJ De-Fence panel joiner kit

CUSTOM GUARDING:

While our De-Fence system is designed to be modular and fit a variety of applications, we understand that not all workplaces or facilities operate in the same way. That's why Barrier Group maintains the capability to design and manufacture fully custom solutions. Contact us now to discuss your site or facility requirements.



De-Fence Mesh Panels

The standard De-Fence mesh panels are available in 7 stock sizes as listed below. When used with 2490 high posts, panels can be stacked 2 high to achieve a vertical safety distance of 2410mm from the reference plan (level at which persons would normally stand). The welded wire mesh is 3mm in diameter at 25 x 25mm centres giving an aperture of 22mm square as per AS4024.1-2019. Panel frames consist of 25 x 25 x 1.5mm welded SHS with all post connections being isolated from the posts by nylon bushes. They are finished in black powder coat.

Part No.	Product Description
DFP115-200M	De-Fence Mesh Panel 1150 high x 2000mm Post Centres
DFP115-170M	De-Fence Mesh Panel 1150 high x 1700mm Post Centres
DFP115-150M	De-Fence Mesh Panel 1150 high x 1500mm Post Centres
DFP115-120M	De-Fence Mesh Panel 1150 high x 1200mm Post Centres
DFP115-100M	De-Fence Mesh Panel 1150 high x 1000mm Post Centres
DFP115-75M	De-Fence Mesh Panel 1150 high x 750mm Post Centres
DFP115-50M	De-Fence Mesh Panel 1150 high x 500mm Post Centres





De-Fence Polycarbonate Panels

The standard De-Fence polycarbonate panels are available in 7 stock sizes as listed below. When used with 2490 high posts, panels can be stacked 2 high to achieve a vertical safety distance of 2410mm from the reference plan (level at which persons would normally stand). The tough clear polycarbonate is 4mm thick and shatterproof. A custom aluminium extrusion secures the polycarbonate into the panel frame. Panel frames consist of 25 x 25 x 1.5mm welded SHS with all post connections being isolated from the posts by nylon bushes. They are finished in black powder coat.

Part No.	Product Description
DFP115-200P	De-Fence Polycarbonate Panel 1150 high x 2000mm Post Centres
DFP115-170P	De-Fence Polycarbonate Panel 1150 high x 1700mm Post Centres
DFP115-150P	De-Fence Polycarbonate Panel 1150 high x 1500mm Post Centres
DFP115-120P	De-Fence Polycarbonate Panel 1150 high x 1200mm Post Centres
DFP115-100P	De-Fence Polycarbonate Panel 1150 high x 1000mm Post Centres
DFP115-75P	De-Fence Polycarbonate Panel 1150 high x 750mm Post Centres
DFP115-50P	De-Fence Polycarbonate Panel 1150 high x 500mm Post Centres





**Adjustable
spring tension**

Note: Swing gates are available in single and double configurations

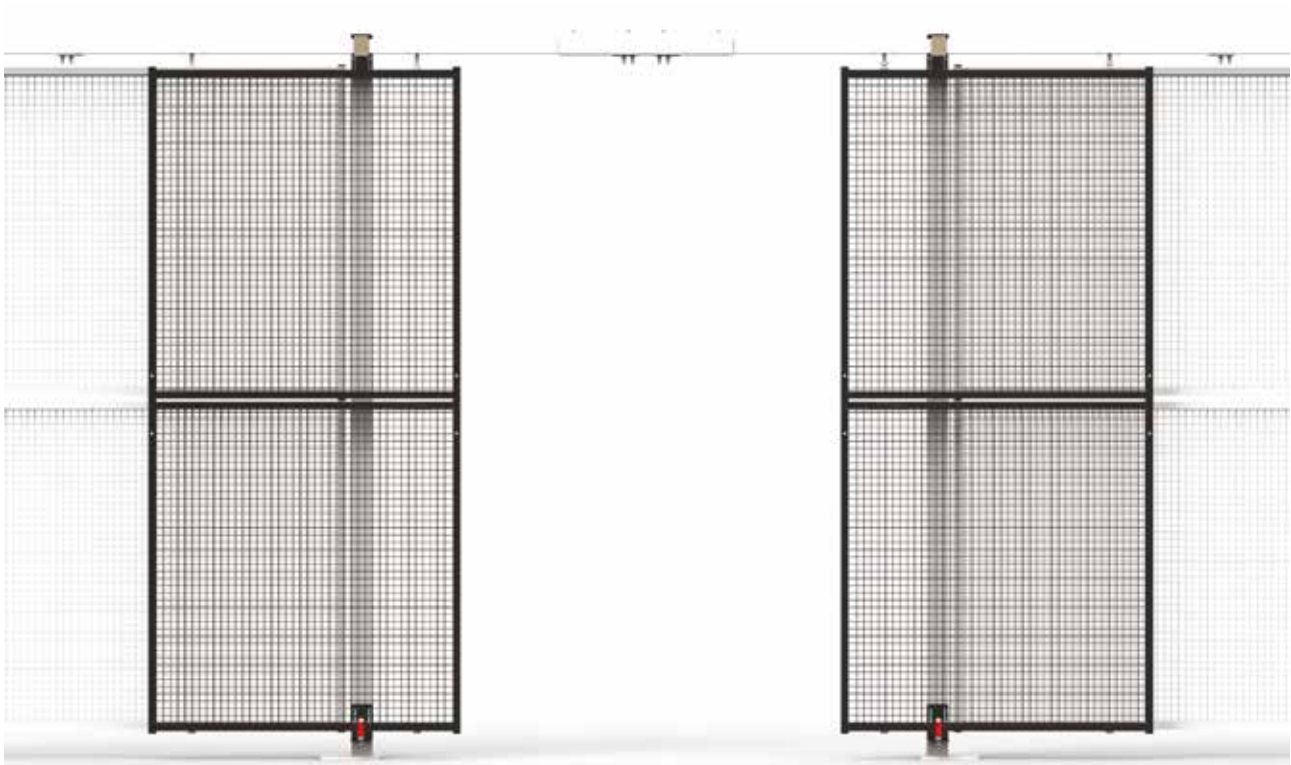
De-Fence Swing Gate

De-Fence self-closing mesh gates are available in either single or double height and can swing left or right. Ideal for work zoning or machinery guarding.

Made to order:

Experience tells us that every gate application is different and requires specialist input. Call today and let us design a solution specifically for your requirements.

Operation:	Push open/adjustable spring closure
Gate Swing:	90 degrees
Max. Opening:	1425mm wide
Min. Opening:	925mm wide
Mounting Type:	Surface mounted posts
Gate Type:	Tubular steel frame with 3 x 25mm mesh
Gate Height:	1260 or 2410mm
Finish:	Powder coated



Note: Sliding gates are available in single and double configurations

De-Fence Sliding Gate

The sliding gate has an overhead track with a clearance of 2450mm leaving floors clear of obstacles. Available in double height only with an opening up to 2925mm wide.

Made to order:

Experience tells us that every gate application is different and requires specialist input. Call today and let us design a solution specifically for your requirements.

Operation:	Manual slide open and close
Gate Slide:	Overhead mounted
Max. Opening:	Double gates 2925mm wide
Min. Opening:	Single gate 925mm wide
Mounting Type:	Surface mounted posts
Gate Type:	Tubular steel frame with 3 x 25mm mesh
Gate Height:	2400mm only
O/H Clearance:	Floor to overhead track 2450mm
Finish:	Powder coated