

ulti group

Ulti Bollard & Barrier System

Product Brochure

ULTIGROUP.CO.NZ



ULTI BARRIER PROTECTION

Ulti Barrier Protection

Ulti Barrier is a certified barrier system that offers exceptional protection against fork truck damage to your buildings and assets. Coolstore panel walls are often vulnerable to fork truck damage with repairs costing thousands of dollars. Prevention of this damage by installing the Ulti Barrier System has proven to be a cost-effective solution by many coolstores and food-processing factories.



The extensive range of components available makes the Ulti Barrier an ideal option for many areas where protection is required.

The Ulti Barrier is available galvanised or "safety yellow," and all other hardware and components are also galvanised for superior corrosion resistance.

The complete system, when installed to certain specifications, is certified to stop a total mass of 4 metric tonnes moving at a speed of 3.5km/hr, 90° to the barrier.

The barrier and components are also pre-punched with slots for ease of assembly and installation.

Typical wall damage with no barrier. The cost to now repair the walls will be huge. Protect it from day one.



Multiple Uses



Protect transformers from traffic.



Galvanised barrier bolted to the wall to stop fork damage to the wall and cladding."



Two high barrier to protect the corner of a building from traffic damage.



Separate your staff and fork truck traffic.

















A combination of full frame bollards and barrier giving the ultimate protection.



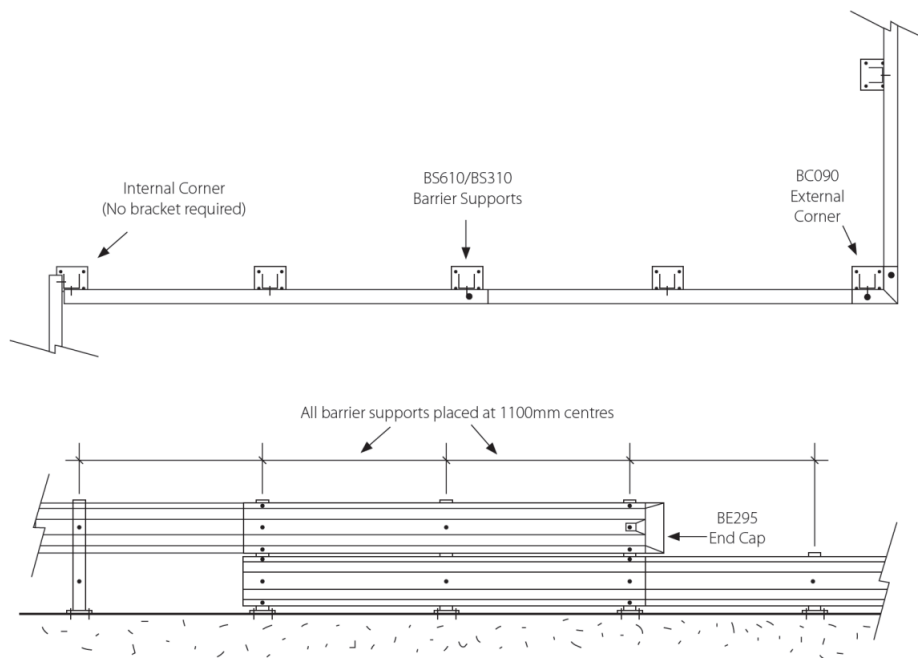
Three high barrier protecting the end of pallet racking.

ULTI BARRIER PROTECTION

Ulti Barrier Protection

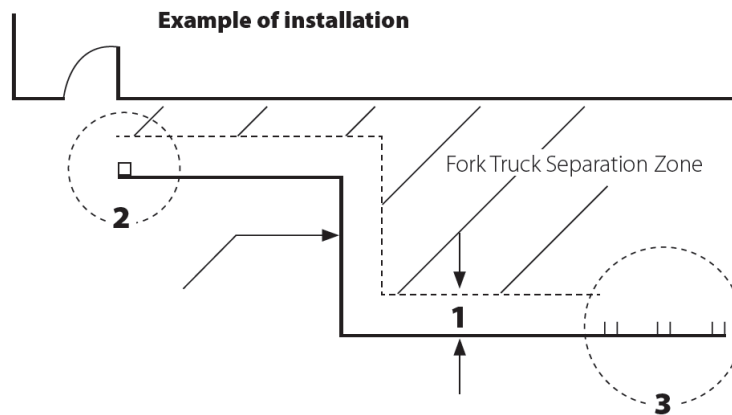
CODE	DESCRIPTION	
ULTI2400Y	Barrier – Safety Yellow, 2400mm L x 295mm W	
ULTL2400G	Barrier – Galvanised, 2400mmL x 295mmW	
	Triple Support – Galvanised, 910mmH	
	Triple Support End Post – Galvanised, 910mmH	
ULTIDSPPOST	Double Support – Galvanised, 610mmH	
ULTIDESPOST	Double Support End Post – Galvanised, 610mmH	
ULTISSPOST	Single Support – Galvanised, 310mmH	
ULTISESPOST	Single Support End Post – Galvanised, 310mmH	
ULTIECY	End Cap – Safety Yellow (Adds 110mm to barrier length)	
ULTIECG	End Cap – Galvanised (Adds 110mm to barrier length)	
ULTIBC Y	External Corner – Safety Yellow, 90°	
ULTIBCG	External Corner – Galvanised, 90°	
M16 x 35BNW	M16 x 35mm 4.6 bolt & nut & 2 x washers (all zinc)	
M16 x 100BNW	4.6 bolt & nut & 2 x washers (End Support Bolt)	
M16 x 100WA	M16 x 100mm Wedge Anchor (Galv)	

Technical Data - Ulti Barrier System



Installation of Ulti Barrier Systems to Create Fork Truck Separation Zones

When installed to the following specifications, the barrier system has been designed to stop a total mass of 4 metric tonnes moving at a speed of 3.5 km/hr, 90° to the barrier.



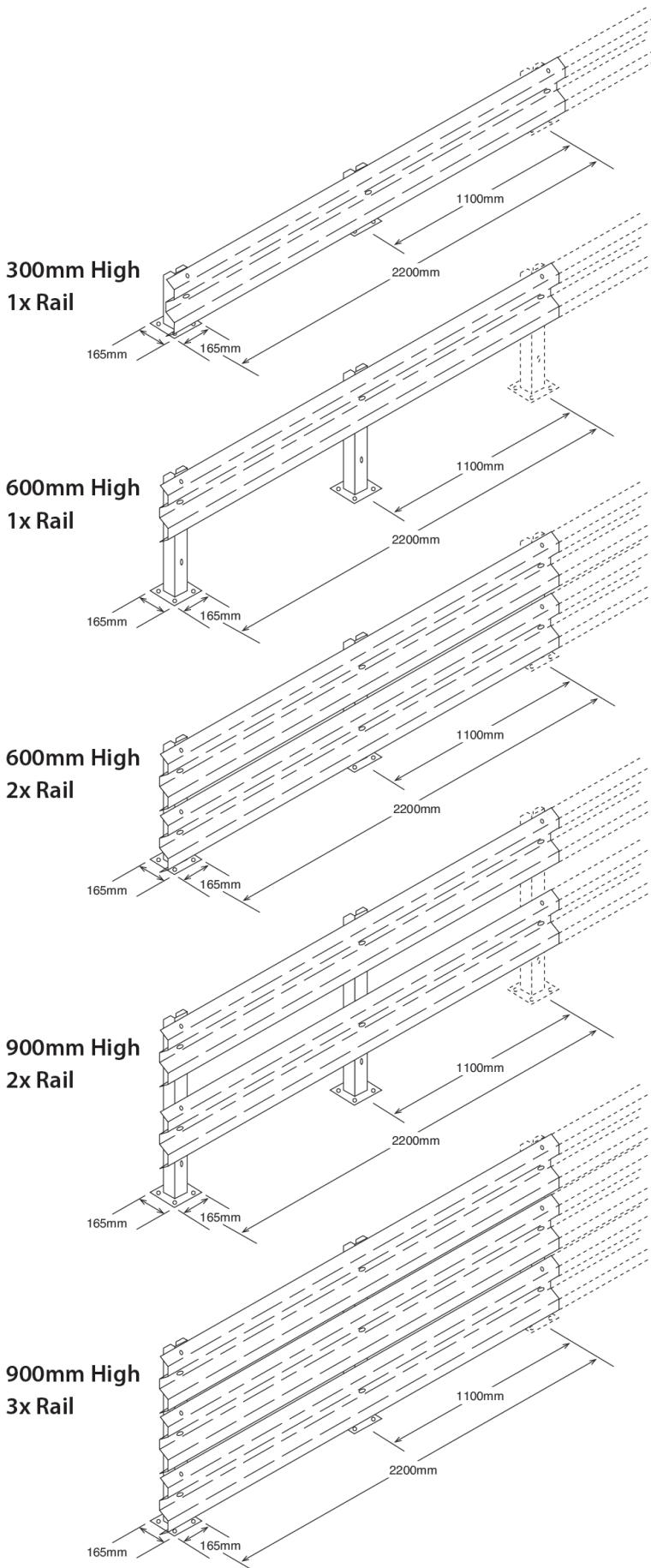
Notes:

- The barrier system is designed to stop the chassis and main body of the fork truck only. Dependent on fork truck attachments and loads, an extra safety distance from the barrier may be advisable.
- Where protection is required to the barrier end, a strengthened barrier support is required, with 6 M16 bolts in the foot.
- If standard barrier supports are used, a distance of three supports or one barrier length (2.4m) is required before the Fork Truck Separation Zone begins.

Otherwise, the barrier is to be installed using standard barrier supports with 4 x M16 BOLTS in the support foot. When using this system to protect personnel, a full written survey is required

BARRIER LAYOUT OPTIONS

Barrier Layout Options



PARTS REQUIRED PER 2.2M

- 1x BR240 Ulti Barrier Rail
- 2x BS310 Support Posts
- 4x M16x35 Bolt, Nut & Washers
- 8x M16x100 Wedge Anchors
- End posts, End caps and corners not included

PARTS REQUIRED PER 2.2M

- 1x BR240 Ulti Barrier Rail
- 2x BS610 Support Posts
- 4x M16x35 Bolt, Nut & Washers
- 8x M16x100 Wedge Anchors
- End posts, End caps and corners not included

PARTS REQUIRED PER 2.2M

- 2x BR240 Ulti Barrier Rail
- 2x BS610 Support Posts
- 4x M16x35 Bolt, Nut & Washers
- 8x M16x100 Wedge Anchors
- End posts, End caps and corners not included

PARTS REQUIRED PER 2.2M

- 2x BR240 Ulti Barrier Rail
- 2x BS910 Support Posts
- 8x M16x35 Bolt, Nut & Washers
- 8x M16x100 Wedge Anchors
- End posts, End caps and corners not included

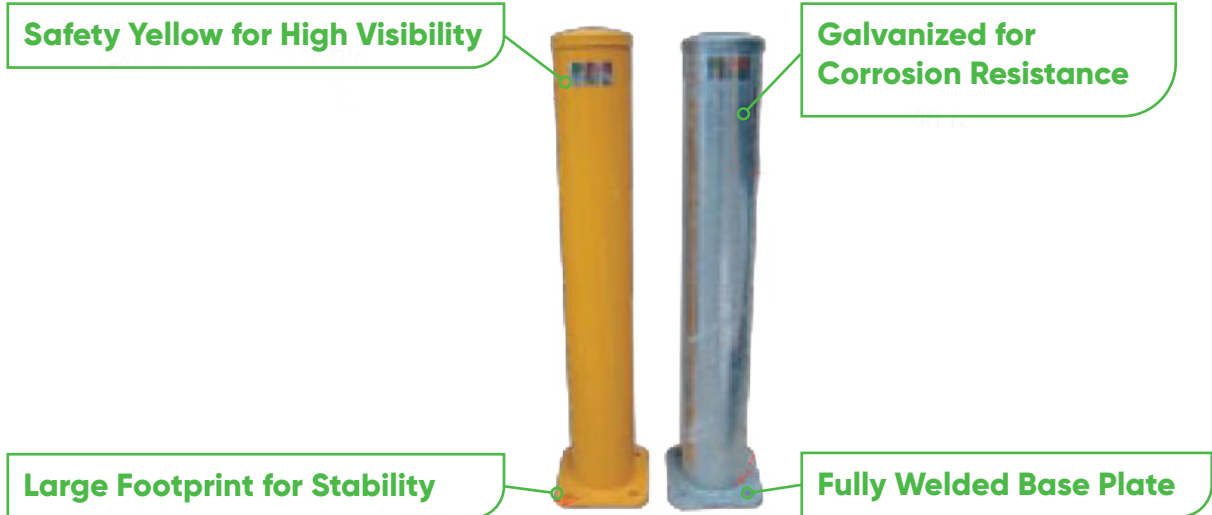
PARTS REQUIRED PER 2.2M

- 3x BR240 Ulti Barrier Rail
- 2x BS910 Support Posts
- 12x M16x35 Bolt, Nut & Washers
- 8x M16x100 Wedge Anchors
- End posts, End caps and corners not included

NOTE: The barrier is 2400mm long. There is a 200mm overlap on the joins, giving 2200mm cover

Ulti Bollard Protection

Ulti Bollards are engineered to provide maximum protection against vehicle and fork truck damage to your building and assets. Because of the demanding environments that are encountered, a large range of Ulti Bollards are available. To ensure long lasting performance, all bollards are available galvanised or "safety yellow."



Standard Bollards and **Large Bollards** are the most popular for protection of pallet racking, door tracks and corners of walls. Ground mounts, to set into the concrete, are also available for extra heavy duty mounting.



Removable Bollards placed in front of entrances and roller doors offer excellent security and protection from ram-raids. Removable bollards are also ideal for restricting vehicle access.



Door Frame Bollards give maximum protection to your door and door frame. This can prevent thousands of dollars of damage from wide vehicles and extra high fork lift trucks.



Personnel Frames help prevent foot traffic from entering the path of heavy traffic. When placed in front of personnel doors, the frame ensures that your staff will not walk directly into the path of dangerous heavy traffic.



BARRIER LAYOUT OPTIONS

Barrier Layout Options



A standard bolt down bollard with a fork hole in. Admittedly hit in the strongest place, but it was there to protect the door from the next forktruck.



Cast in bollards to protect light poles in carparks.



Stop ram raids with LB165 bollards custom painted to match decor.



Full frame bollard to protect the rapid acting door.








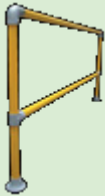


LB165-Y bollards to protect the sectional door tracks at a loading dock.



Multiple cast in bollards to protect dock equipment

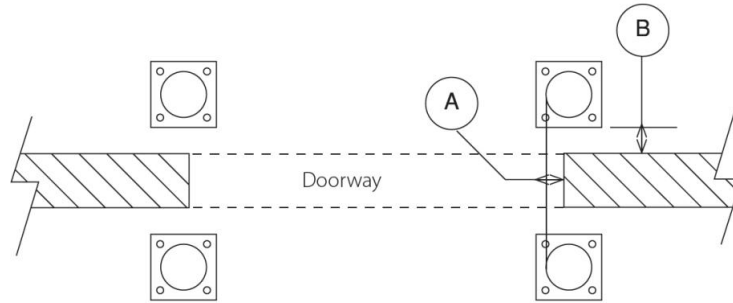
Ulti Bollard Protection

CODE		DESCRIPTION		
SB115Y	Standard Bollard	Safety yellow, 115mmø, 1100mm high, 4 x M16 x 140WA		
SB115G	Standard Bollard	Galvanised, 115mmø, 1100mm high, 4 x M16 x 140WA		
SB115-GM	Standard Bollard Ground Mount	Galvanised, 115mmø, 550mm high, 4 x M16 x 60 Bolts		
CB115G	Standard Bollard Cast In	Galvanised, 115mmø, 1630mm long (can be painted after installation)		
RB115G	Removable Bollard	Galvanised, 115mmø, Removable and Lockable 990mm high		
LB165Y	Large Bollard	Safety yellow, 165mmø, 1100mm high, 4 x M16 x 140WA		
LB165G	Large Bollard	Galvanised, 165mmø, 1100mm high, 4 x M16 x 140WA		
LB165-GM	Large Bollard Ground Mount	Galvanised, 165mmø 550mm high, 4 x M16 x 60 Bolts		
CB165G	Large Bollard Cast In	Galvanised, 165mmø 1630mm long (can be painted after installation)		
DF115Y	Door Frame Bollard	Safety yellow, 115mmø 8 x M16 x 60 Bolts, 8 x M16 x 140WA		
DF115G	Door Frame Bollard	Galvanised, 115mmø 8 x M16 x 60 Bolts, 8 x M16 x 140WA		
DF165Y	Door Frame Bollard	Safety yellow, 165mmø 8 x M16 x 60 Bolts, 8 x M16 x 140WA		
DF165G	Door Frame Bollard	Galvanised, 165mmø 8 x M16 x 60 Bolts, 8 x M16 x 140WA		
PF240Y	Personnel Frame	Safety yellow, 950mmH x 2400mmL 8 x M12 x 100WA (Kitset)		

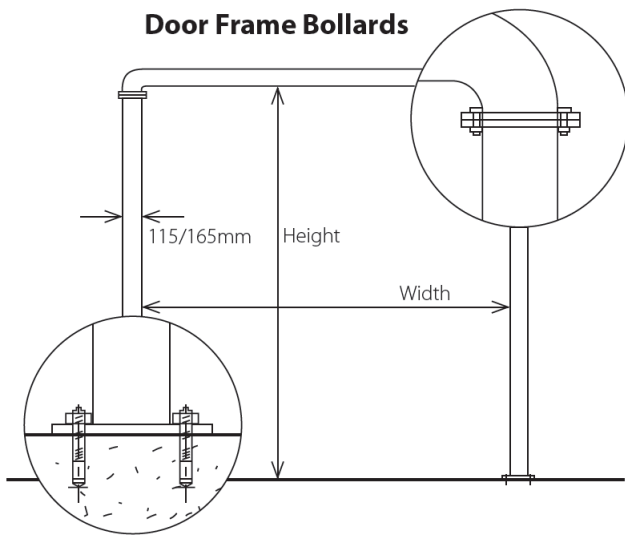
Technical Data - Ulti Bollard System

RECOMMENDED BOLLARD PLACEMENT

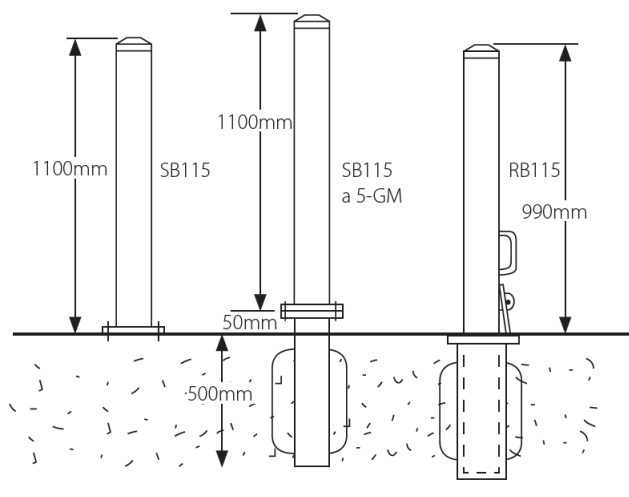
- A - 50mm into doorway to protect door jambs
- B - 100mm from nearest structure or door track



Door Frame Bollards



Bollard Installation



Construction

BOLLARDS

Construction - To be made of high quality pipe, 115mm \varnothing or 165mm \varnothing with cap to be riveted to top. Bolted to concrete with four concrete bolts. Bolts to be a minimum of 16mm \varnothing x 140mm long.

Finish - To be hot dip galvanised or powder coated safety yellow.

DOOR FRAME BOLLARDS

Construction - To be made of high quality pipe, 115mm \varnothing or 165mm \varnothing to suit door size in height and width. Top to be able to be bolted on for transport and installation. Bolted to concrete with four concrete bolts. Bolts to be a minimum of 16mm \varnothing x 140mm long.

Finish - To be hot dip galvanised or powder coated safety yellow.

PERSONNEL FRAMES

Construction - To be made of high quality 50mm \varnothing pipe. Corners, intermediate connectors and feet to be locked on with stainless steel grub screws.

Finish - To be powder coated safety yellow.



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