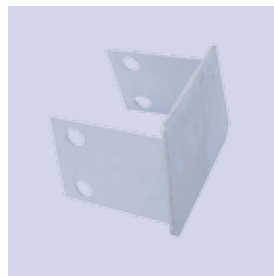
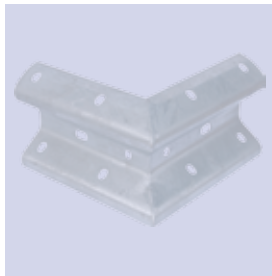




Complete Barrier Solutions



01892 833001
www.alexandrasecurity.com



2012

Alexandra is a long established family-run business which commenced trading in 1986. Over the years we have built up a firm reputation for fast efficient supply to the perimeter protection market and trade in full accordance with the relevant quality control and management systems, giving our customers the assurance they deserve.

Our product range has steadily grown to meet the needs of the industrial and commercial market and to cater for numerous applications. We supply two types of the safety barrier system including the corrugated system, suitable for use around industrial estates; car parks and warehousing; and the open box beam where a stronger barrier system is required.

We hold high levels of stock on most items. In a market where lead times are paramount this helps to give our customers an advantage over the competition, we offer a nationwide delivery service to any given site within three working days.

Please Note: *Our barrier systems are untensioned making them unsuitable for use in highway applications.*

As part of our on going commitment to the perimeter protection market we supply a complete spectrum of associated products. Call our sales team to discuss your requirements, we guarantee a high level of personal service from quotation right through to delivery.

Our hours of business are 7.00am to 4.30pm - Monday to Friday, giving our customers the chance to get ahead of the rush.



Click this symbol on the Home page of our website to gain immediate access to the Barrier section.

www.alexandrsecurity.com



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Fixings



Post Bolt Sets

Code: **CBB1650**

M16x50mm Post Bolt Set, used to bolt the Corrugated Safety Beam to the posts.



Lap Bolt Sets

Code: **CBB1635**

M16x35mm Lap Bolt Set, used to bolt the Corrugated Safety Beam and Open Box Beam together.



Post Clamp Bolt Sets

Code: **CBB1035**

M10x35mm Post Clamp Bolt Set, used to bolt the the Open Box Beam to the Post Clamp Plate.



Through Bolts

Code: **FTB16175**

M16x175mm Through Bolts, used to bolt the Base Plated Posts and the Sprung Barrier Brackets onto concrete.



Chemical Resin System

Code: **FST1619**

M16x190mm Chem Stud, used to bolt the Base Plated Posts and the Sprung Barrier Brackets onto concrete. We supply the complete system including the chemical resin, puffer pump and dispensing gun.

Code: **FCHPUF**

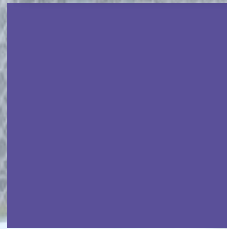
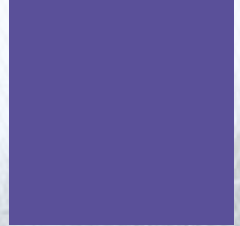


Code: **FCHGUN**



Code: **FCHT380**

Corrugated Barrier



Corrugated Barrier



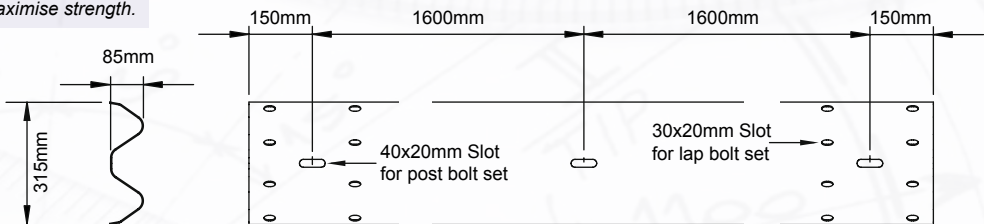
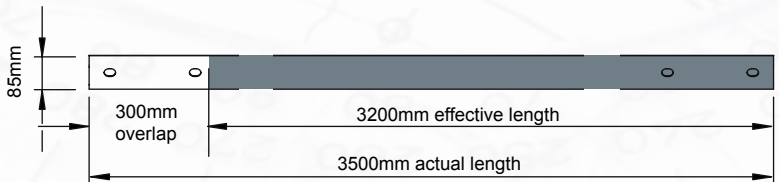
Stock Code: CBC35

Untensioned safety barrier is widely used in installations such as industrial estates, car parks and warehouses. It is not suitable for use in highway applications. The corrugated beams are 3.5m overall length with an effective length of 3.2m. Beams are joined using 8 No. M16 x 35mm Lap Bolt sets and posts bolt to the beam using 1 No. M16 x 50 Post Bolt set.

Technical



All barriers should be assembled with the overlap in the direction of traffic flow to prevent vehicles hitting exposed ends in the event of collision. All beams have mid span slots to enable additional posts to be installed to maximise strength.



Corrugated Safety Barrier

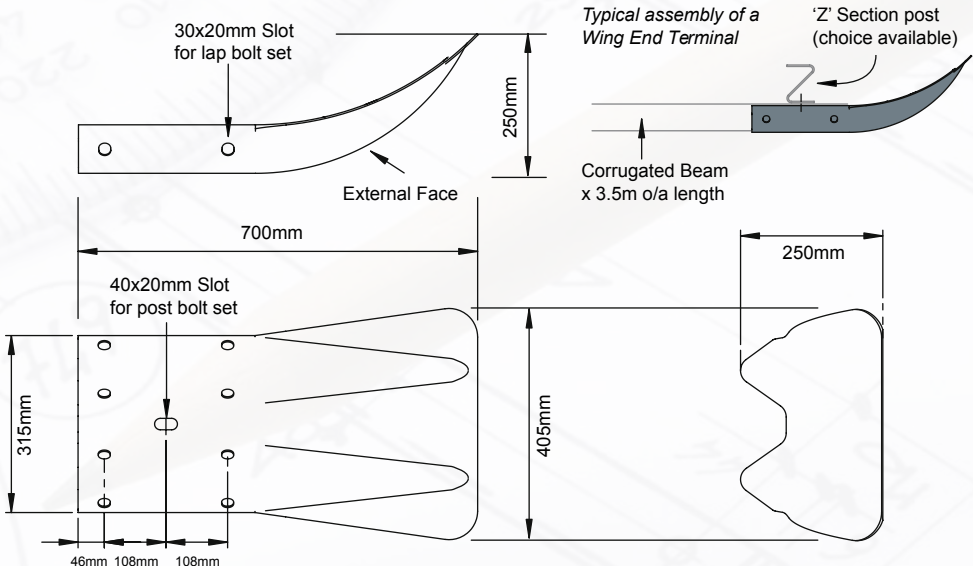
Wing End Terminal

The Wing End Terminal is used to terminate a run of safety barrier. It provides an effective, robust solution in high volume traffic areas.

Please note: This terminal end is not suitable for use where pedestrian access is required. Installed using one post (choice available) which also serves to support the end of the barrier.



Stock Code: CBTWE



Corrugated Safety Barrier

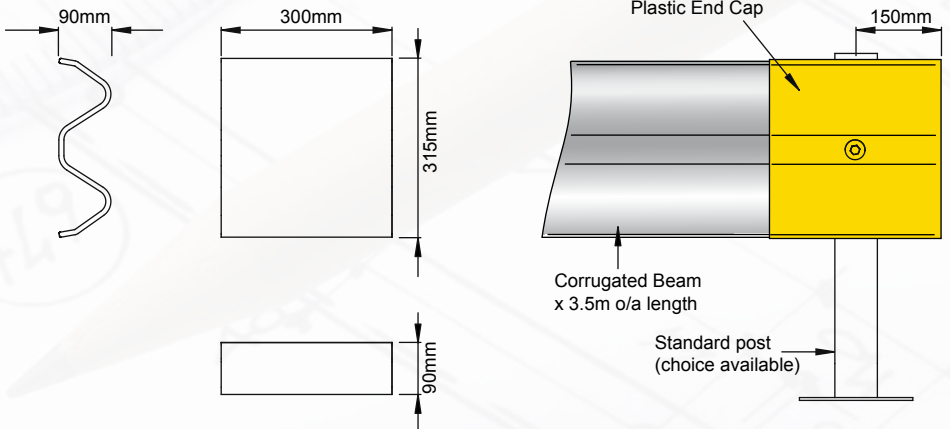
Plastic End Cap

The Plastic End Cap is used to terminate a run of safety barrier. It provides an effective solution in pedestrianised areas.

Please note: This Plastic End Cap is not suitable for use where vehicle access is required. Installed by sliding over the end of the beam and held in place with the post bolt set.



Stock Code: CBTEC



90° External Corner Connector

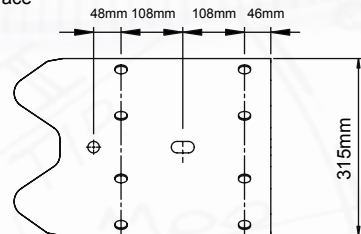
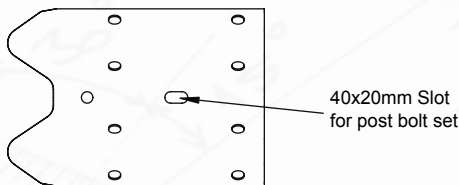
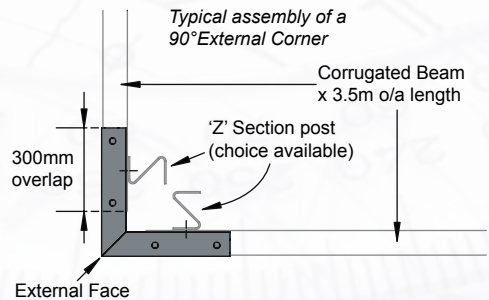
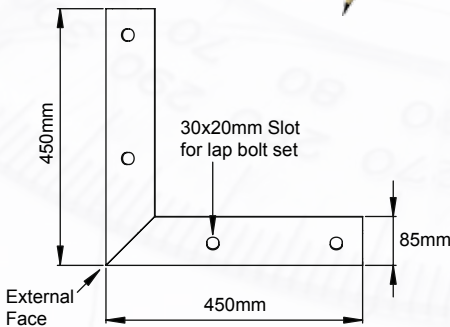


Stock Code: CBC90E

The 90° External Corner Connector is suitable for use where two runs of barrier meet at 90°, effectively joining and eliminating any gap in the barrier.

Installation is with two posts (choice available) which also serve to support the end of each barrier run, 2 No. M16 x 50 post bolt sets, and 16 No. M16 x 35 lap bolt sets.

Technical



Corrugated Safety Barrier

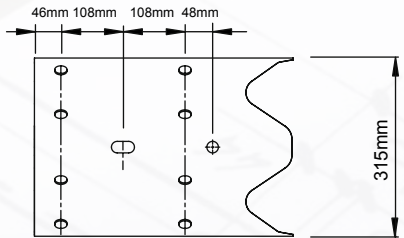
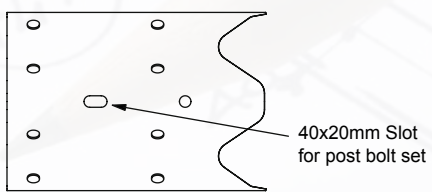
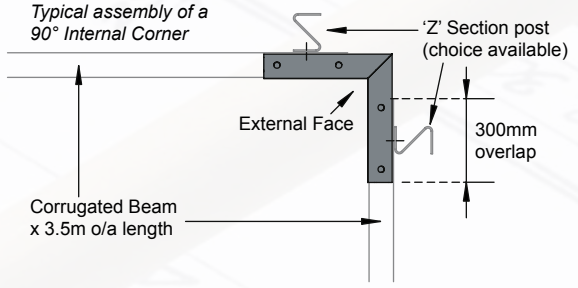
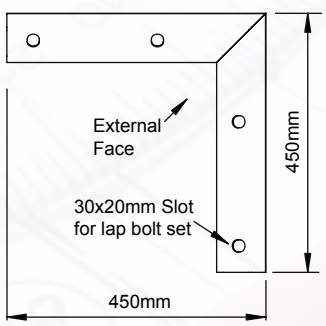
90° Internal Corner

The 90° Internal Corner Connector is suitable for use where two runs of barrier meet at 90°, effectively joining and eliminating any gap in the barrier.

Installation is with two posts (choice available) which also serve to support the end of each barrier run, 2 No. M16 x 50 post bolt sets, and 16 No. M16 x 35 lap bolt sets.



Stock Code: CBC90I



45° External Corner

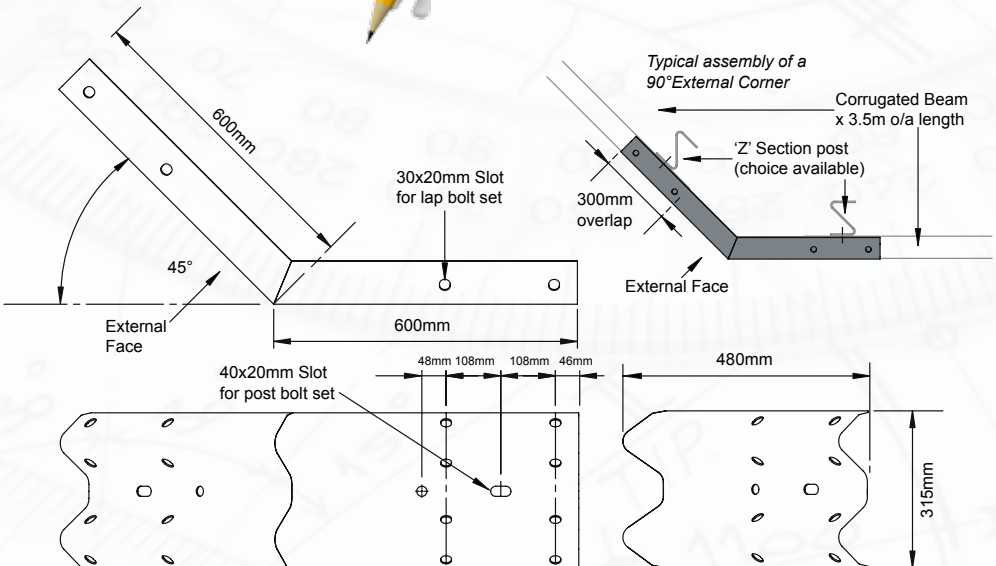


The 45° External Corner Connector is suitable for use where two runs of barrier meet at 45°, effectively joining and eliminating any gap in the barrier.

Installation is with two posts (choice available) which also serve to support the end of each barrier run, 2 No. M16 x 50 post bolt sets, and 16 No. M16 x 35 lap bolt sets.

Stock Code: CBC45E

Technical



Corrugated Safety Barrier

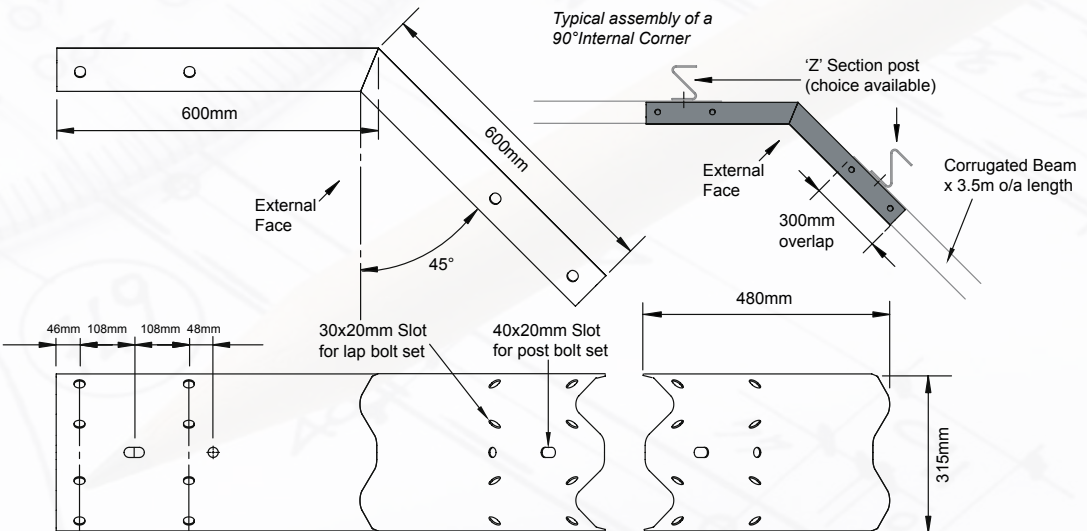
45° Internal Corner

The 45° Internal Corner Connector is suitable for use where two runs of barrier meet at 45°, effectively joining and eliminating any gap in the barrier.

Installation is with two posts (choice available) which also serve to support the end of each barrier run, 2 No. M16 x 50 post bolt sets, and 16 No. M16 x 35 lap bolt sets.



Stock Code: CBC45I



Adjustable Corner

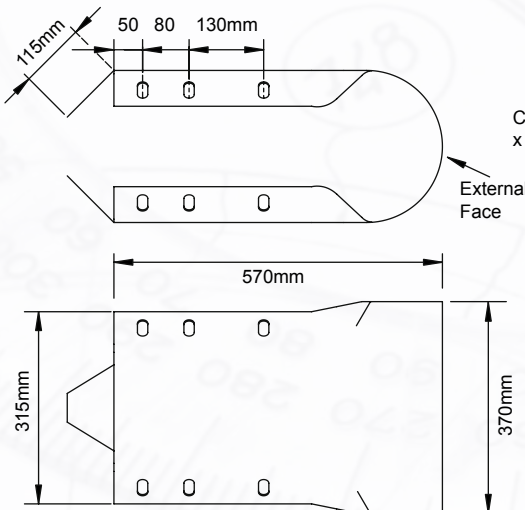


Stock Code: CBCSS

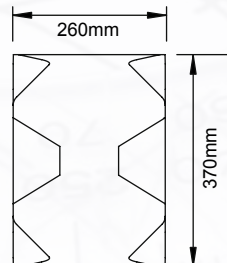
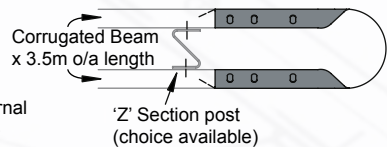
The Adjustable Corner/Bullnose Joint can vary a change in direction from 0 - 180°. It is also used to terminate a double sided safety barrier run - giving rise to the name Bullnose.

Installation is with two posts which also serve to support the end of each barrier run, and 16 No. M16 x 35 lap bolt sets.

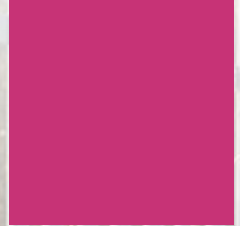
Technical



Typical assembly of a Bullnose on double sided barrier



Open Box Beam



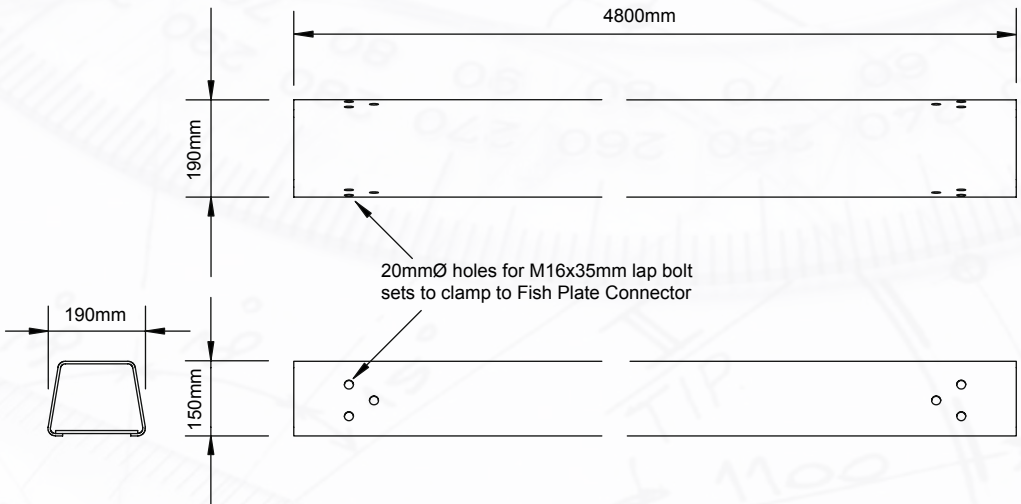
Open Box Beam



Stock Code: CBOB48

Open Box Beam safety barrier provides an alternative to the standard corrugated system and is particularly suitable where a stronger safety barrier is required. Beams are supported on the same posts as the corrugated system, but the fixing is achieved with a post clamp plate. This means that the post centres are fully variable and can be set at closer centres for heavy duty applications.

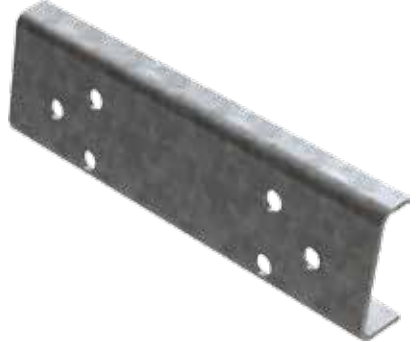
Technical



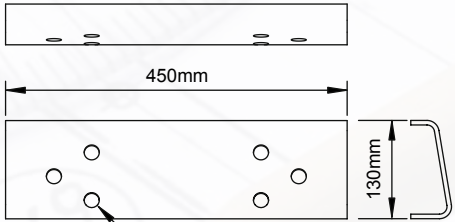
Open Box Beam Safety Barrier

Fish Plate Connector

The Fish Plate Connectors are used in pairs to join Open Box Beams together. Clamped inside the beam (as shown in the illustration) 12 No. M16 x 35mm lap bolt sets are required.



Stock Code: CBOBFP



20mmØ holes for M16x35mm lap bolt sets to clamp to Open Box Beam



Detail showing how the Fish Plate Connectors clamp the Open Box Beam together.

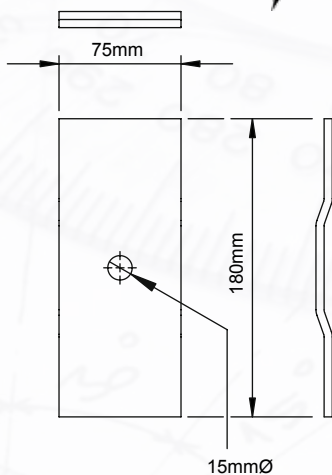
Post Clamp Plate



Stock Code: CBOBPCP

The Post Clamp Plate is used to secure the Open Box Beam to the posts. 1 No. M10 x 35mm bolt set is required. The illustration below shows the Open Box Beam clamped between the post and the Post Clamp Plate.

Technical



Detail showing Post Clamp Plate clamping the post to the back of the Open Box Beam.

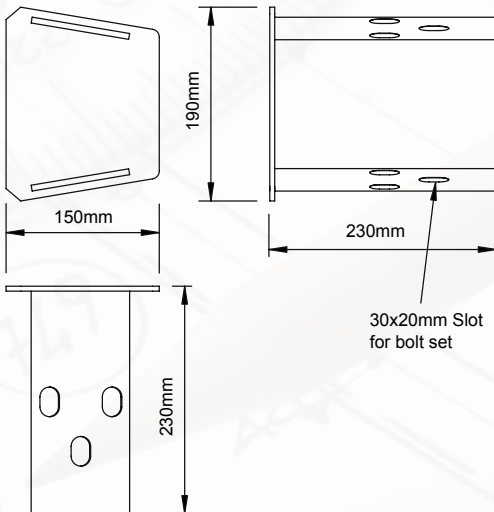
Open Box Beam Safety Barrier

End Cover

The End Cover can be used to terminate a run of Open Box Beam barrier. 6 No. M16 x 35mm lap bolt sets are required to join the End Cover to the Open Box Beam.



Stock Code: CBOBEC



Detail showing the End Cover bolting into the end of the Open Box Beam.

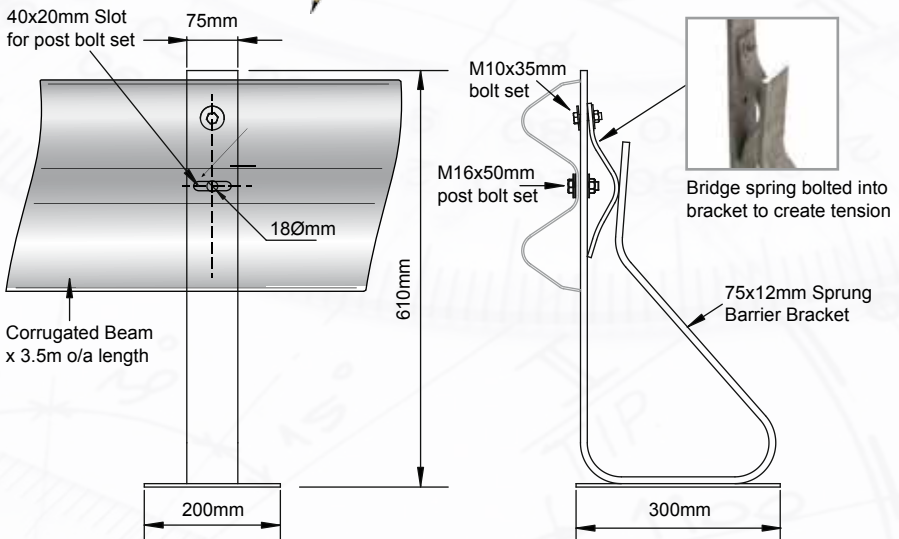
Sprung Barrier Bracket



Stock Code: CBPSBB

The Sprung Barrier Bracket offers a heavy duty and flexible system which allows the barrier to deflect and spring back into place after impact. It is widely used in industrial and logistics warehousing and is particularly useful in areas where forklifts are operating. The post is surface mounted and is compatible with both the Corrugated and Open Box Beam barrier systems.

Technical



Post Options for Safety Barriers

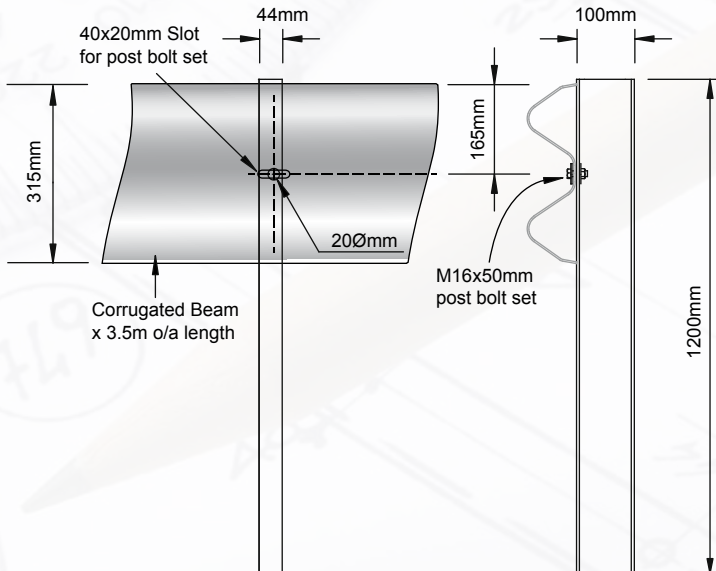
Concrete in Post -
100x44mm 'Z' section
x 1200mm long

Steel posts in 'Z' section have been the traditional and time served choice for a number of years and are suitable for commercial areas, car parks and industrial parks, etc.

These posts are suitable for non highway use and where frequent contact is likely.



Stock Code: CBPZ100



Z Section Detail
100x44mm

Concrete in Post -
125x90mm 'Z' section
(two lengths available)



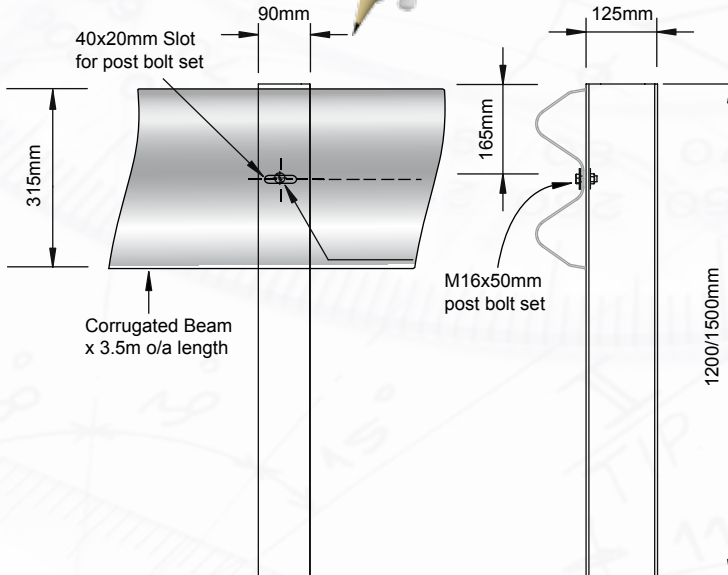
Stock Code: CBPZ125

Available in two lengths (see table)

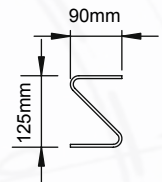
Steel 'Z' section posts have been the traditional and time served choice for a number of years, used in commercial areas, car and industrial parks, etc. These posts are suitable for non highway use and where frequent contact is likely.

Code	Section	Length	Material Thickness
CBPZ125S	125x90mm	1200mm	6.0mm
CBPZ125L	125x90mm	1500mm	6.0mm

Technical



Z Section Detail
125x90mm



Post Options for Safety Barriers

Concrete in Post -
150x75mm 'I' section
(two lengths available)

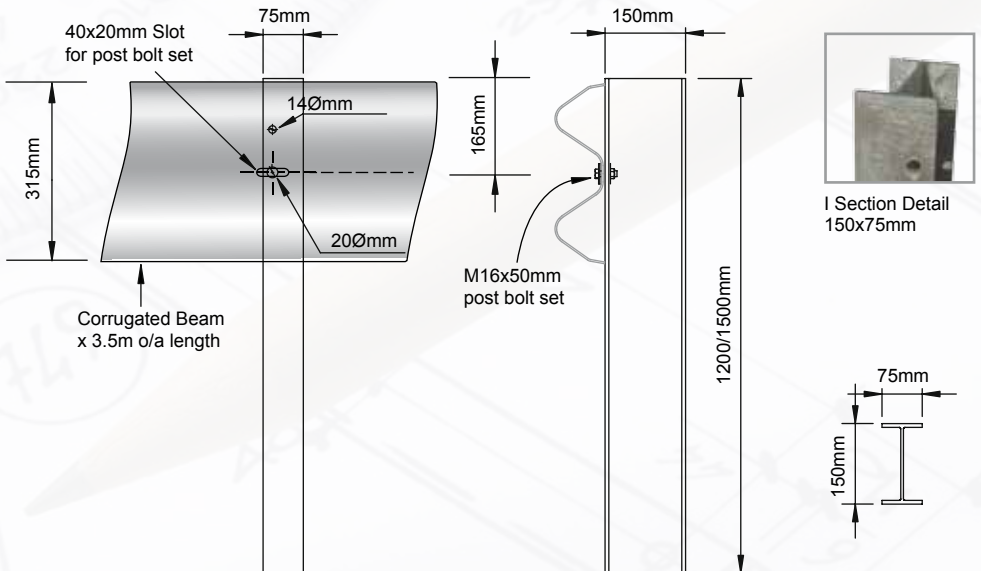
Steel 'I' section posts provide a more robust solution than the traditional 'Z' section posts, used in commercial areas, car and industrial parks etc. they are also frequently used around waste disposal and re-cycling plants.

Code	Section	Length	Material Thickness
CBPI127S	150x75mm	1200mm	6.0mm
CBPI127L	150x75mm	1500mm	6.0mm



Stock Code: CBPI127

Available in two lengths (see table)



Base Plated Post - 150x75mm 'I' section



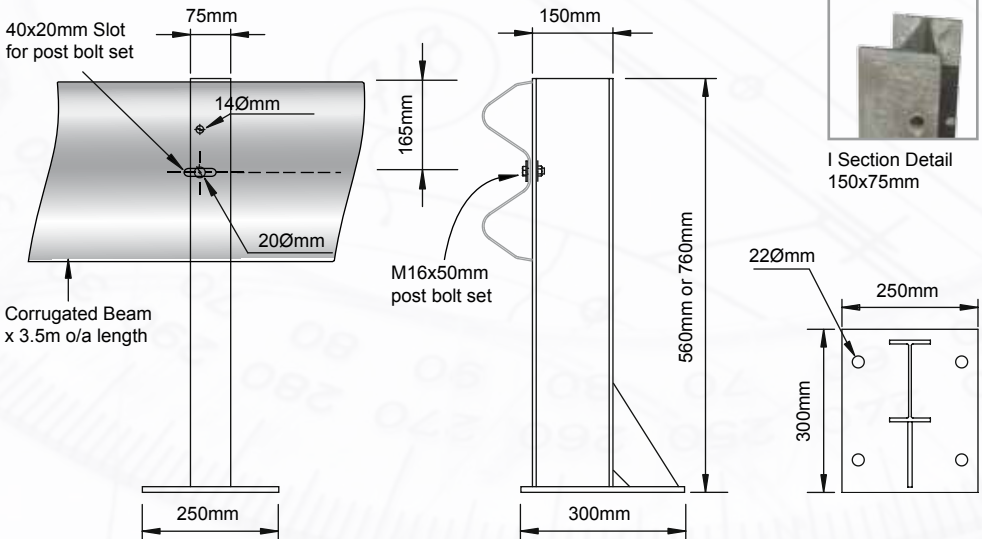
Steel 'I' section base plated posts are ideally suited for bolting directly onto a concrete surface. A choice of two fixing options are available; the standard anchor bolt or the chemical stud system, both available on request.

Stock Code: CBPBP

Code	Section	Length	Material Thickness
CBP BP56	150x75mm	560mm	6.0mm
CBP BP76	150x75mm	760mm	6.0mm

Available in two lengths (see table)

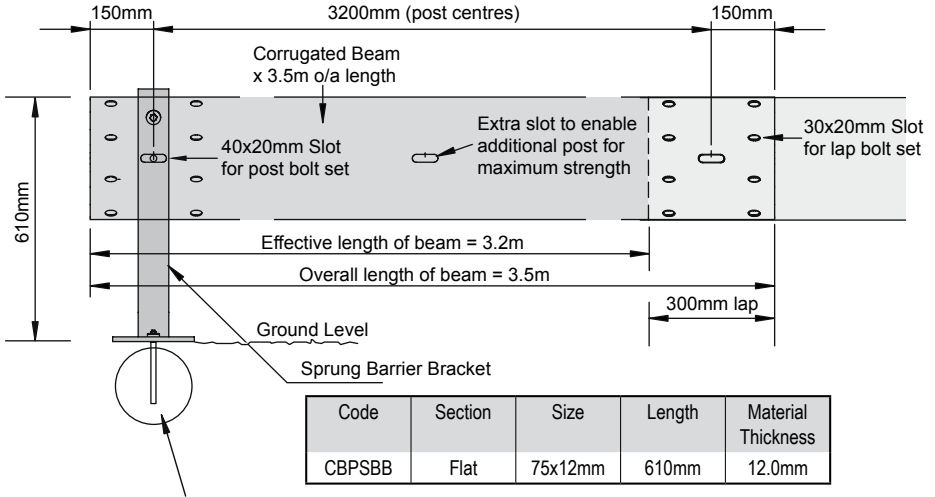
Technical





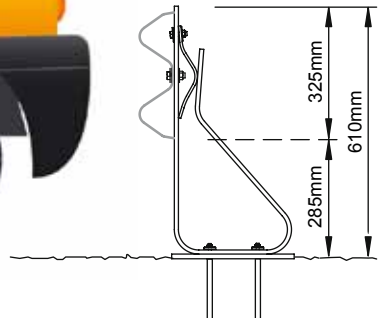
Construction

Typical construction of barrier using sprung barrier bracket



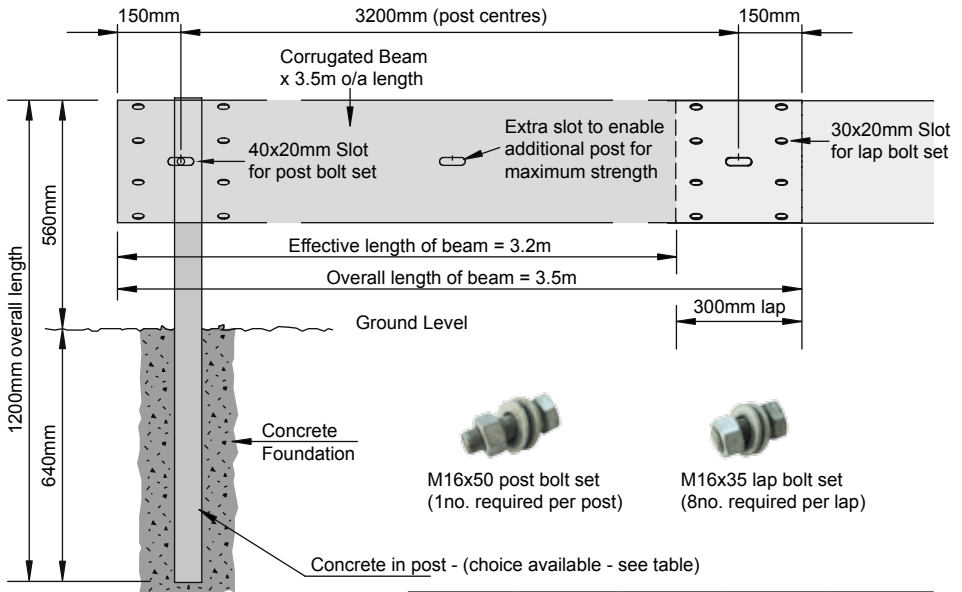
Choice of ground fixings available

M16x190mm chem stud - **Code: FST1619** - 2no. required per post
 M16x175mm through bolt - **Code FTB16175** - 2no. required per post

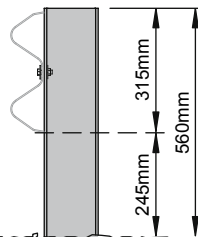


Construction

Typical construction of barrier using 1.2m concrete in posts - Light Duty



Code	Section	Size	Length	Material Thickness
CBPZ100	Z	100x44mm	1200mm	6.0mm
CBPZ125S	Z	125x90mm	1200mm	6.0mm
CBPI127S	I	150x75mm	1200mm	6.0mm

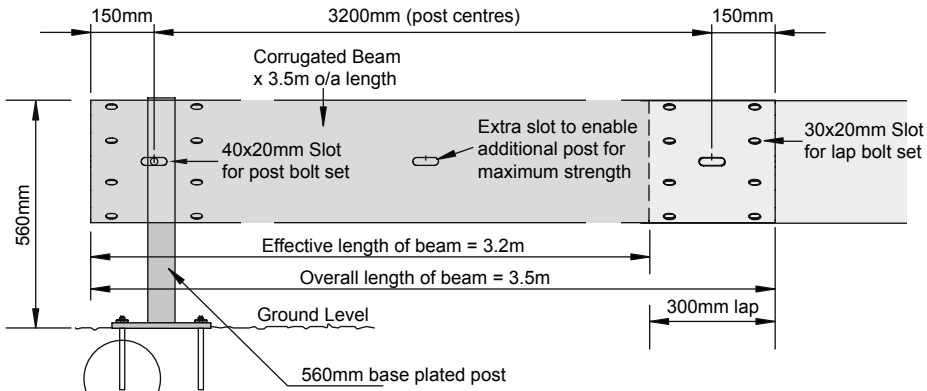


All barriers should be assembled with the overlap in the direction of traffic flow to prevent vehicles hitting exposed ends in the event of collision.



Construction

Typical construction of barrier using 560mm base plated posts - Light Duty



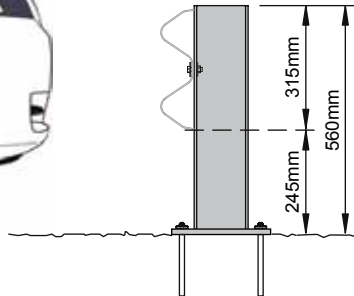
Code	Section	Size	Length	Material Thickness
CBPBP56	I	150x75mm	560mm	6.0mm

Choice of ground fixings available

M16x190mm chem stud - **Code: FST1619** - 4no. required per post

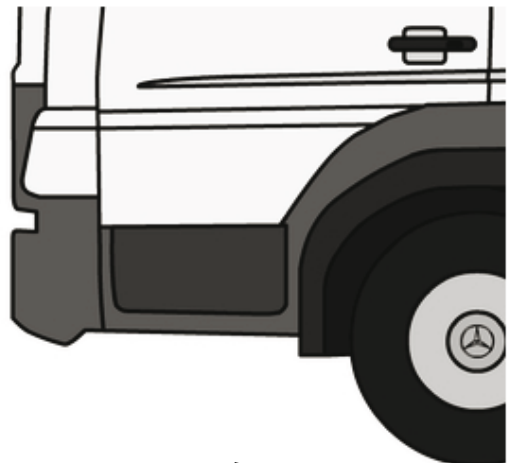
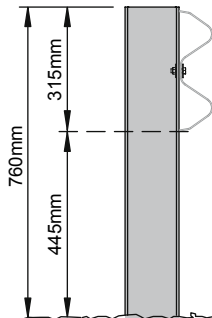
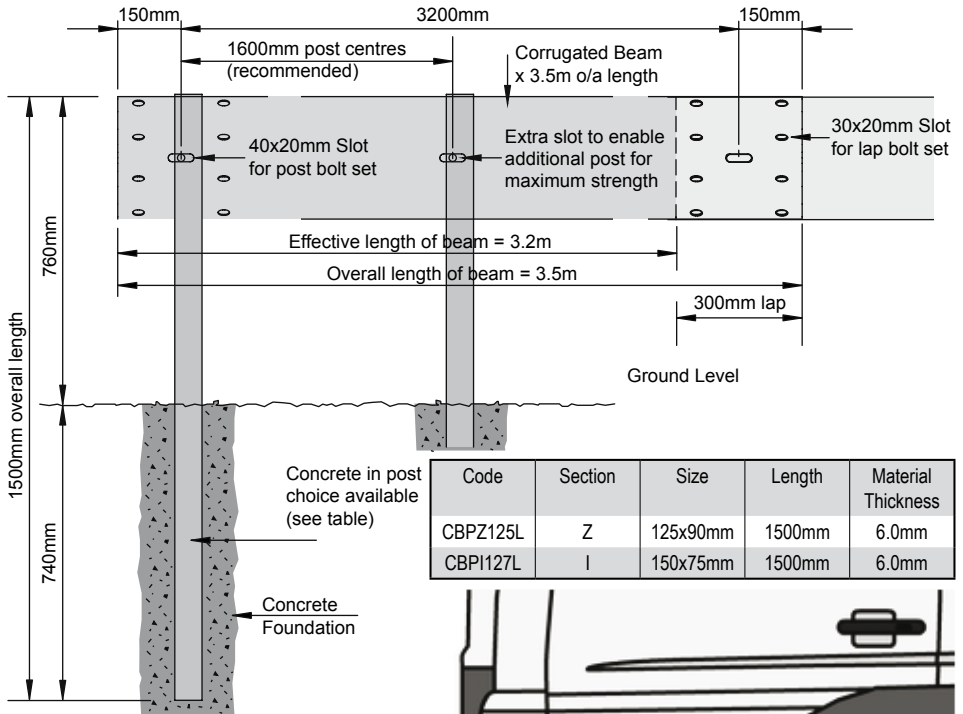


M16x175mm through bolt - **Code: FTB16175** - 4no. required per post



Construction

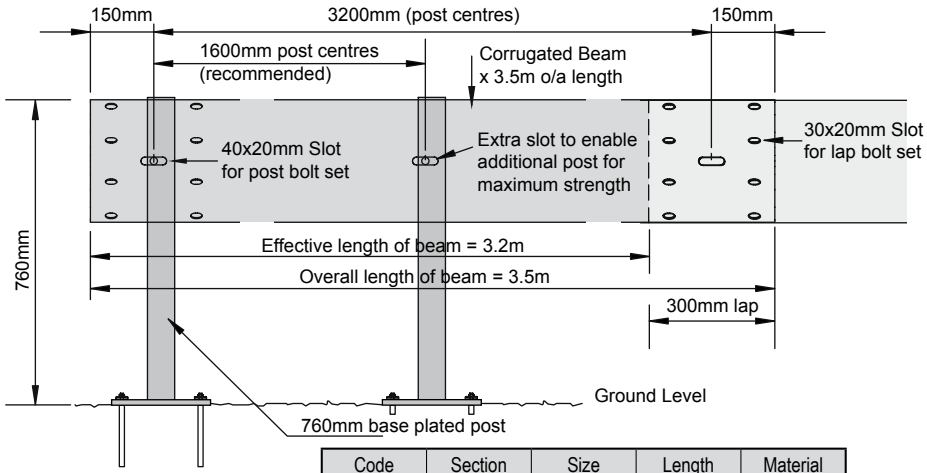
Typical construction of barrier using 1.5m concrete in posts - Heavy Duty





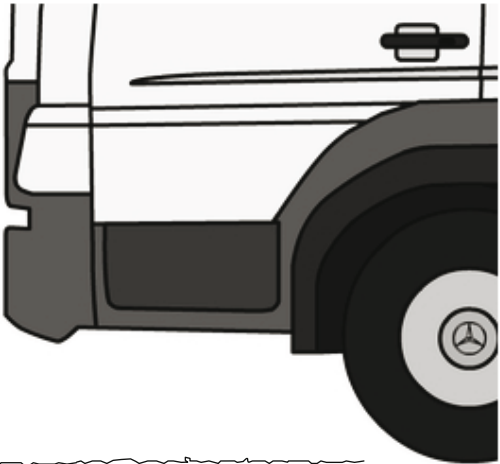
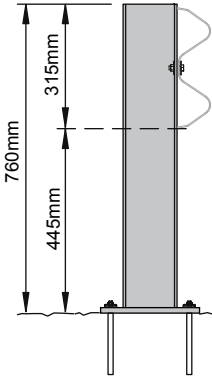
Construction

Typical construction of barrier using 760mm base plated posts - Heavy Duty

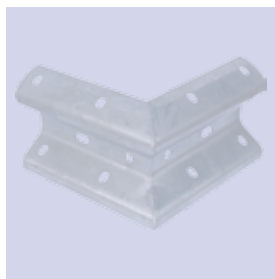
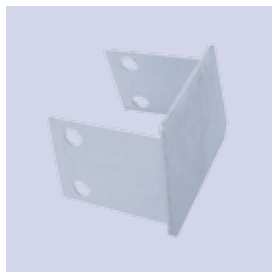


All beams have mid span slots to enable additional posts to be installed to maximise strength.

Code	Section	Size	Length	Material Thickness
CBPBP76	I	150x75mm	760mm	6.0mm



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