



Industrial Bollards

Leda industrial bollards are strong, tough and hard-wearing and are designed to protect plant, equipment and buildings.

In many instances, a visual deterrent is all that is needed – however, when relied upon, Leda industrial bollards are designed to physically stop vehicles from entering or leaving an area or building, or protect vital equipment and services from vehicle damage.

Products are diverse in application and cater for light industrial to extra heavy duty installations for the mining industry and other remote industrial applications.

The Industrial Range Incorporates

- Locking and removable, fixed and baseplate industrial bollards
- Economical 'no-frills' builders bollards
- Power distribution bollards
- Card reader bollards
- Other industrial products



Power Distribution Bollards

Included in the range is Australia's most comprehensive range of power distribution bollards.

- Suitable for power and / or water distribution
- Provides safe OH&S power outlets
- Designed for use in remote areas
- Lockable and secure
- Ideal for sporting fields, parks and common areas



Card Reader Bollards

A diverse range of card reader bollards compatible with virtually all access control systems.

- Steel and stainless steel
- Single and dual height
- Wall mounted and removable
- CCTV and intercom options

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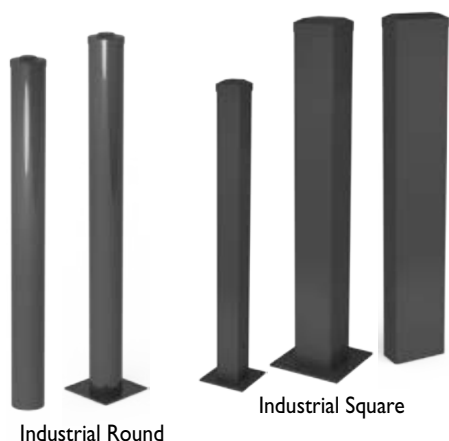
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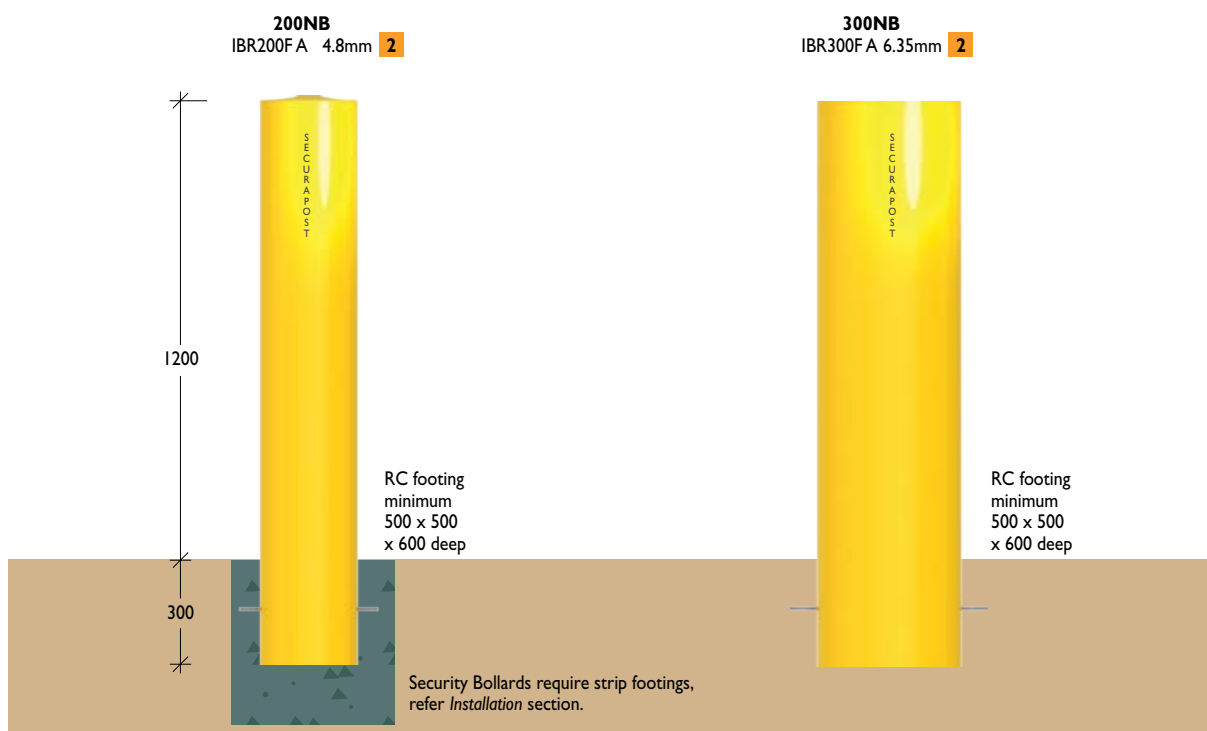
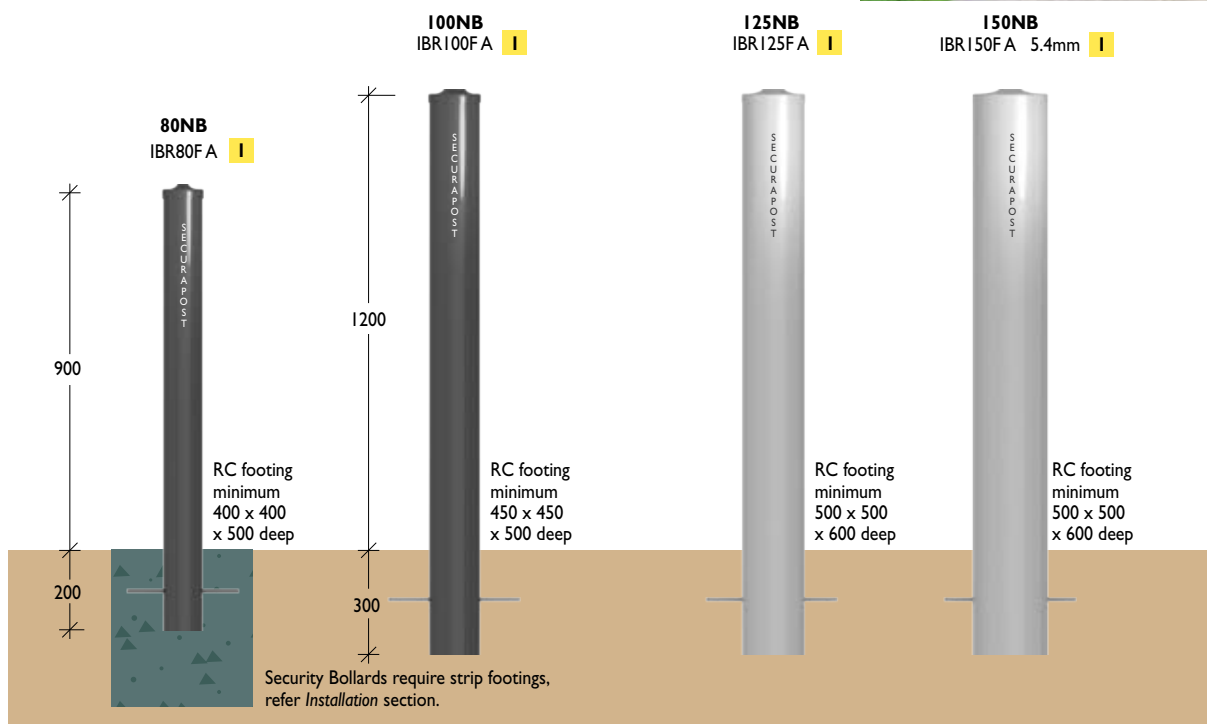


Industrial Range > Bollards

Round Fixed Insitu

Material 80NB (88.9) x 4.9mm HD steel pipe
100NB (114.3) x 5.4mm HD steel Pipe
125NB (139.7) x 5.4mm HD steel pipe
150NB (165.1) x 5.4mm HD steel pipe
200NB (219.1) x 4.8mm HD steel pipe
300NB (323.9) x 6.35mm HD steel pipe

Finish Galvanised or powder coated
in black or industrial yellow
Optional range of colours available on request



Industrial Range > Bollards

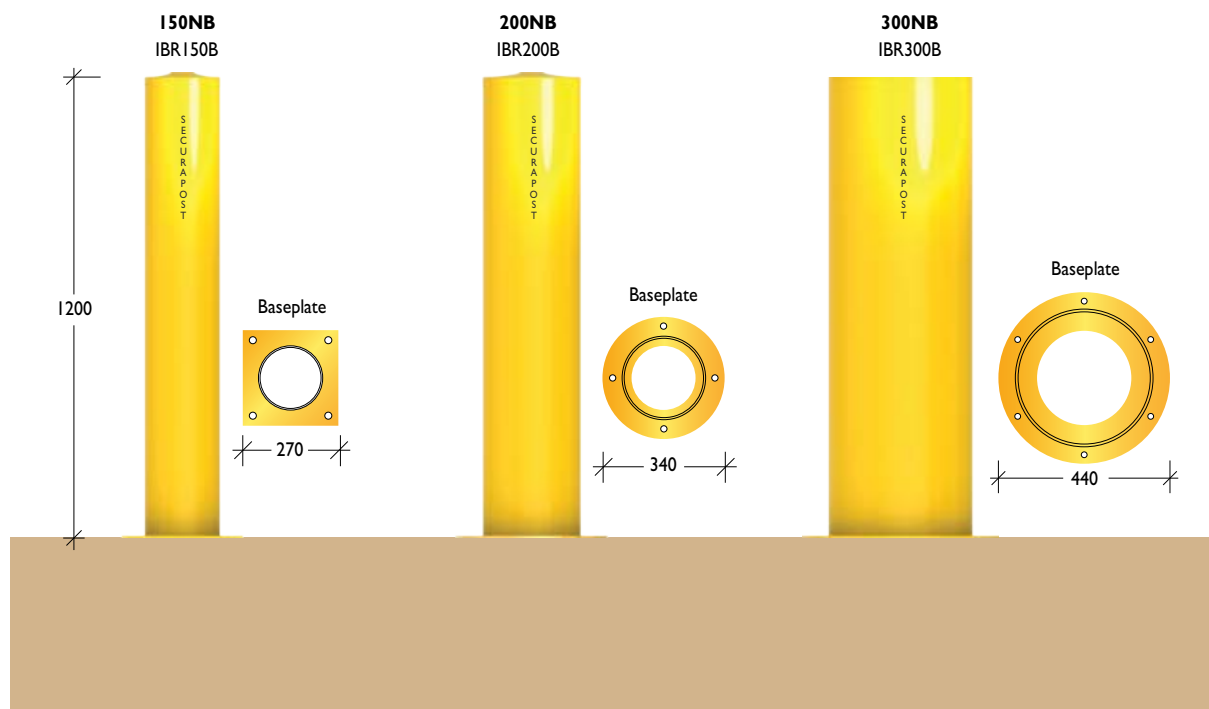
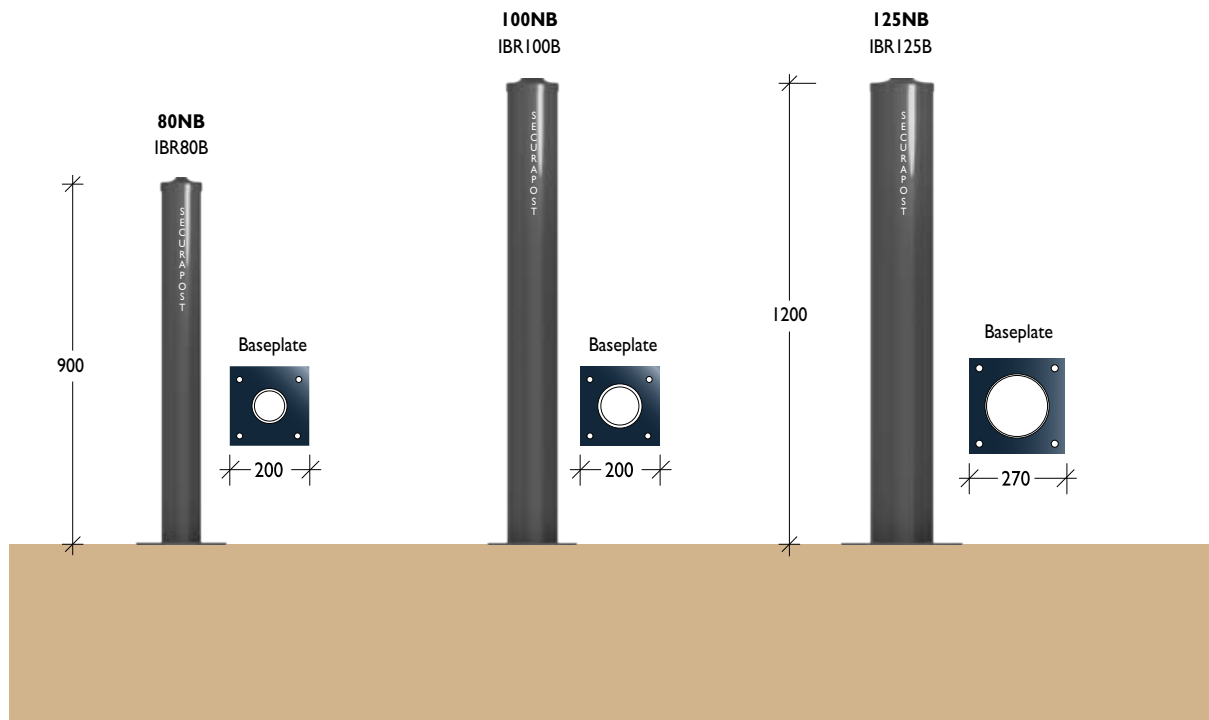
Product
Range

1300 780 450

Round Fixed Baseplate

Material 80NB (88.9) x 4.9mm HD steel pipe
100NB (114.3) x 5.4mm HD steel pipe
125NB (139.7) x 5.4mm HD steel pipe
150NB (165.1) x 5.4 / 11.0mm HD steel pipe
200NB (219.1) x 4.8mm HD steel pipe
300NB (323.9) x 6.35mm HD steel pipe

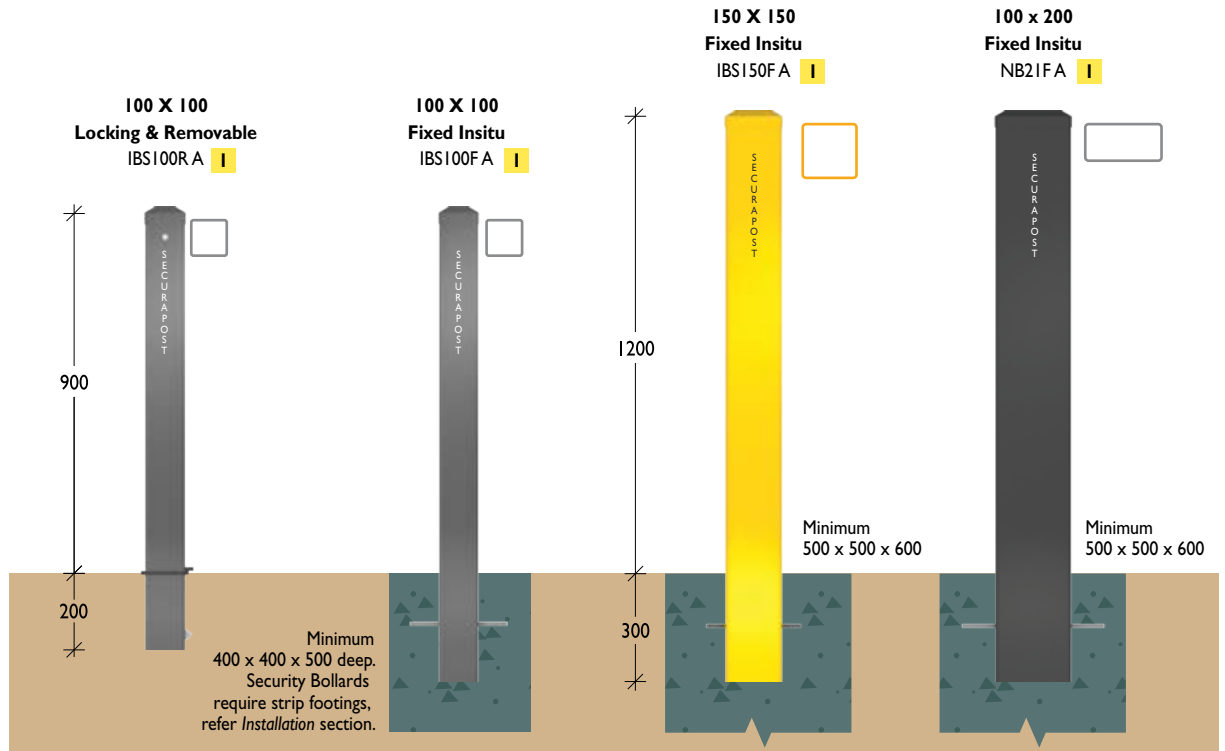
Finish Galvanised or powder coated
in black or industrial yellow
Optional range of colours available on request



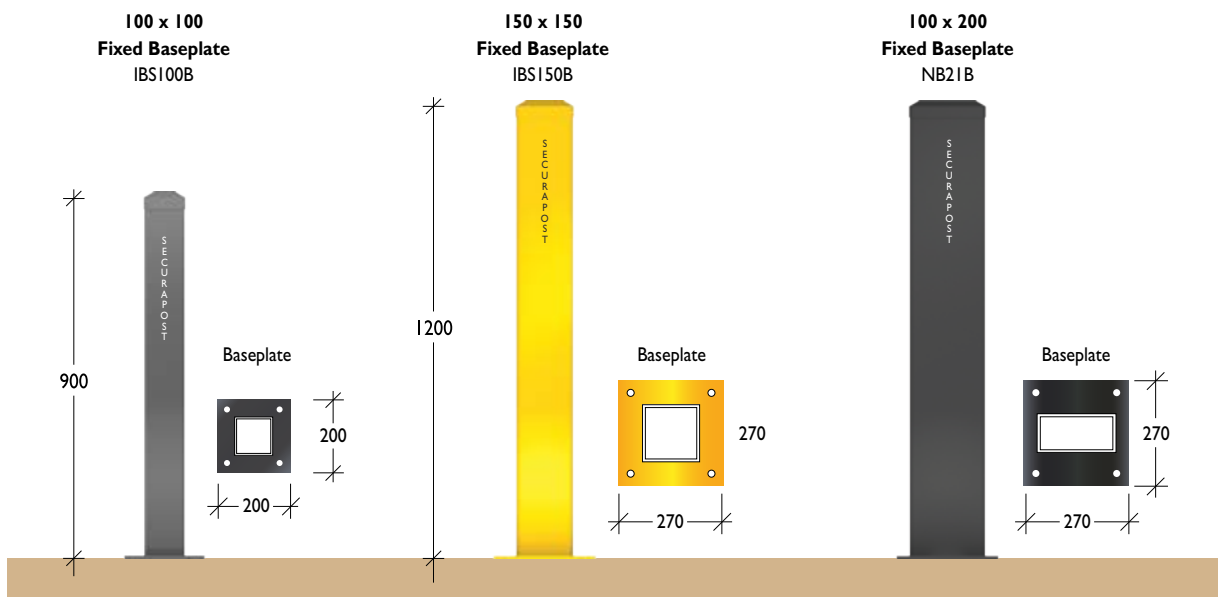
Square

Material Heavy duty galvanised RHS (Rectangular Hollow Section)
100 x 100 x 4mm
150 x 150 x 5mm
100 x 200 x 4mm

Finish Galvanised or powder coated
in black or industrial yellow
Optional range of colours available on request



Fixed Baseplate



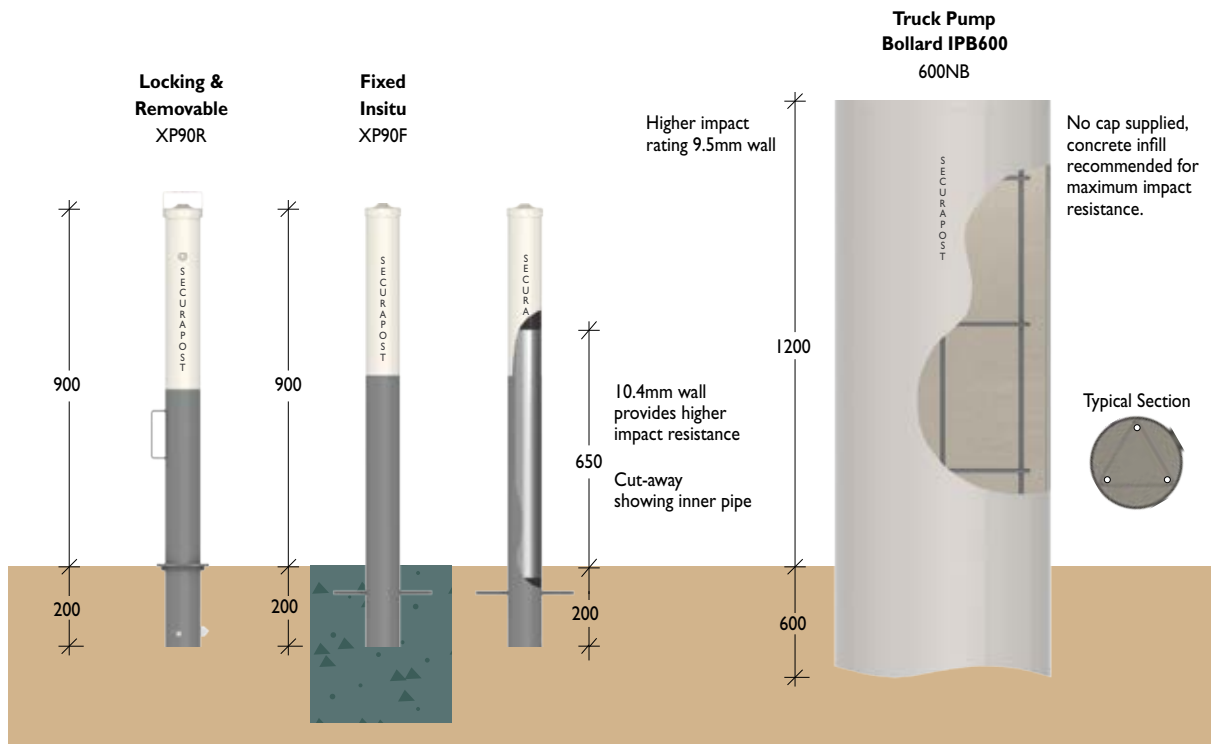
Industrial Range > Bollards

Product
Range

1300 780 450

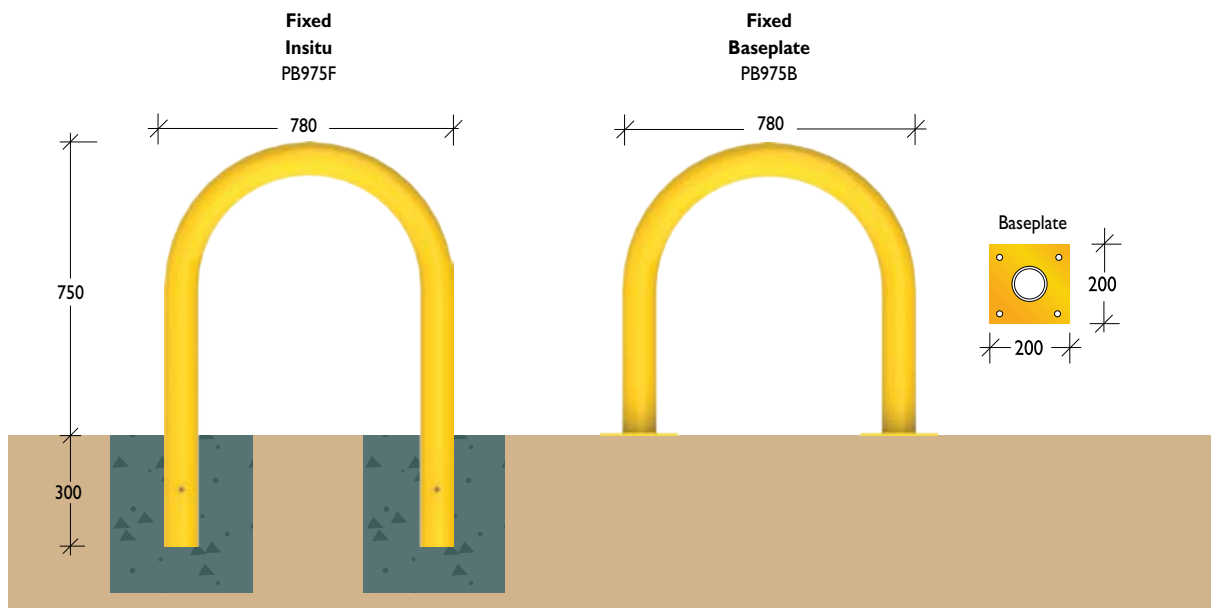
Service Station Super XP

Material 600NB (609.8mm) x 9.50mm Line pipe
Finish Electrostatically powder coated in a range of colours



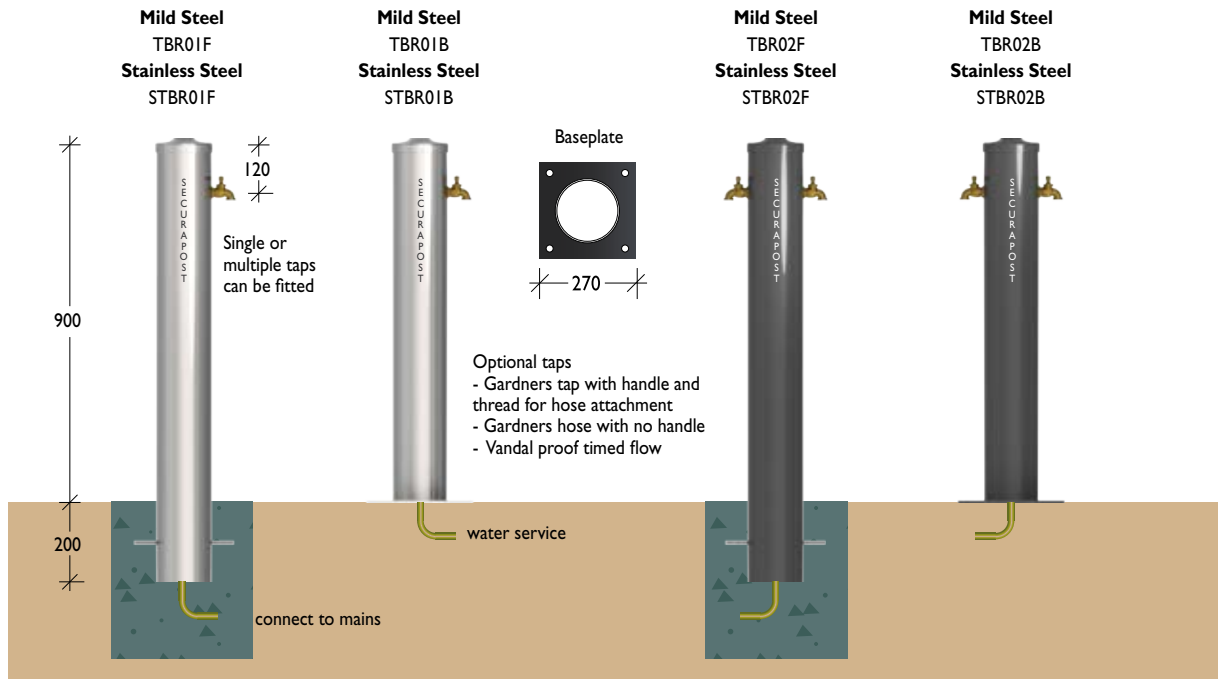
Square

Material 80NB (88.9) x 5.0mm heavy duty galvanised pipe
Finish Hot dipped galvanised or powdercoated in a range of colours



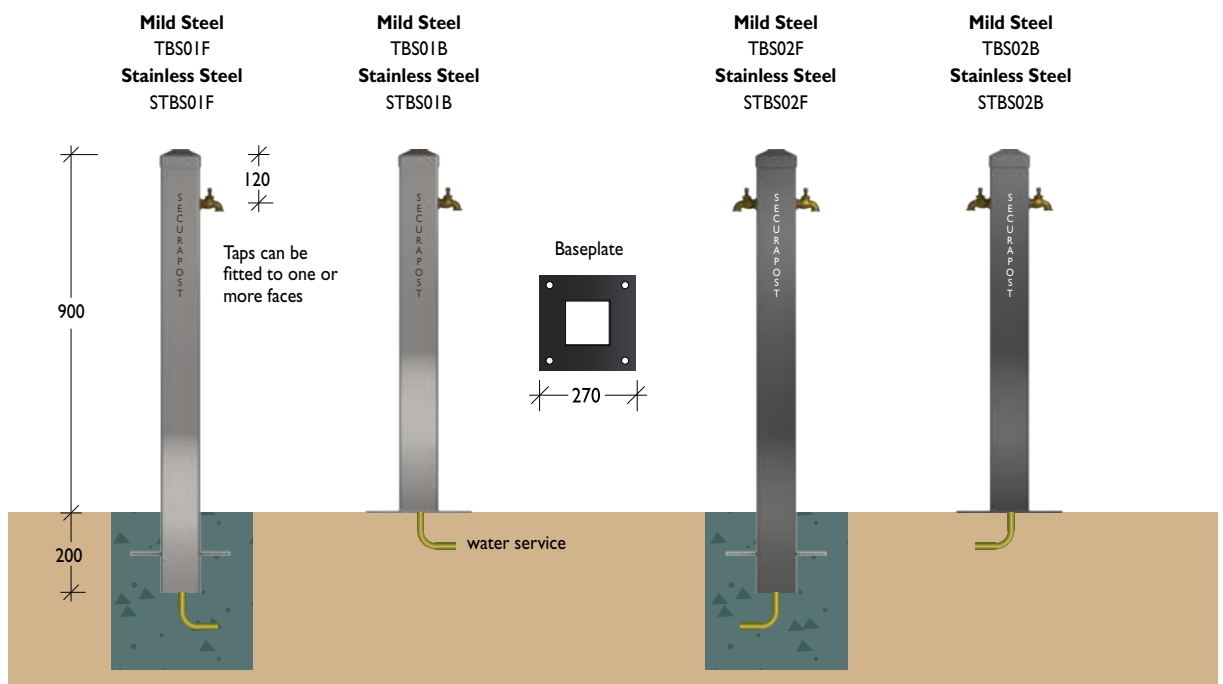
Tap Bollards
Round

Material 125NB (139.7) x 4.9mm steel pipe
125NB (141.3) x 3.4mm grade 304 stainless steel pipe
Finish Mild steel Electrostatically powdercoated in a range of colours
Stainless steel Linished



Square

Material 100 x 100 x 3.0mm RHS
100 x 100 x 3.0mm grade 304 stainless steel RHS
Finish Mild steel Electrostatically powdercoated in a range of colours
Stainless steel Linished

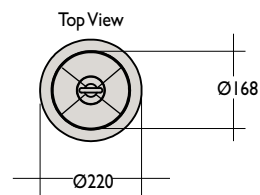


Caltex

Material 80NB (88.9) / 150NB (168.3) HD steel pipe
Finish Electrostatically powder coated in a range of colours



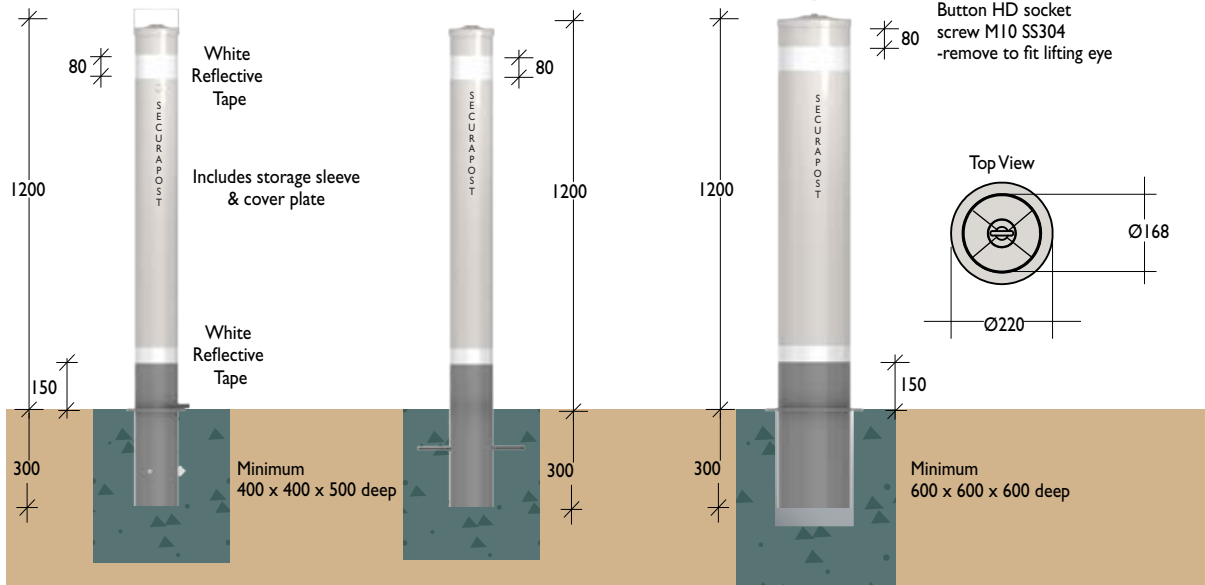
Button HD socket screw M10 SS304 -remove to fit lifting eye



Locking & Removable HIG80RCAL

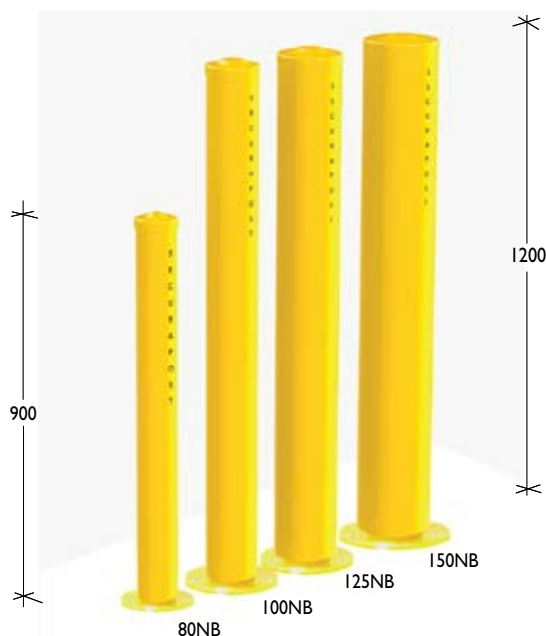
Fixed Insitu HIG80FCAL

Removable HIG150RCAL



Builders Bollards

Fixed Baseplate



The Economical Option

Builders Bollards are a no-frills, economical range and can be ordered online and paid by credit card.



Material

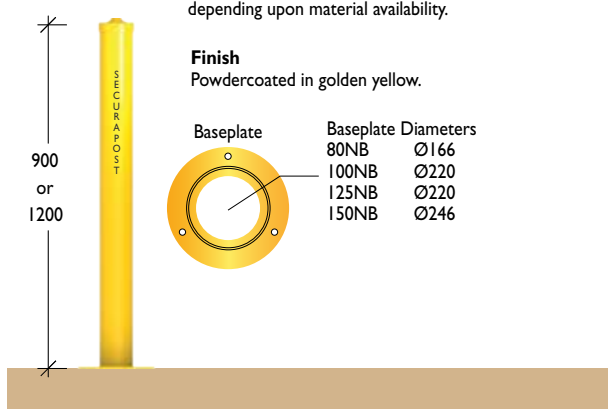
Six diameters available:

BB80B	80NB (88.9OD) x 3.2mm steel pipe
BB100B	100NB (114.3OD) x 3.6mm steel pipe
BB125B	125NB (139.7OD) x 3.5mm steel pipe
BB150B	150NB (165.1OD) x 3.5mm steel pipe

Note: Wall thickness is subject to change, depending upon material availability.

Finish

Powdercoated in golden yellow.

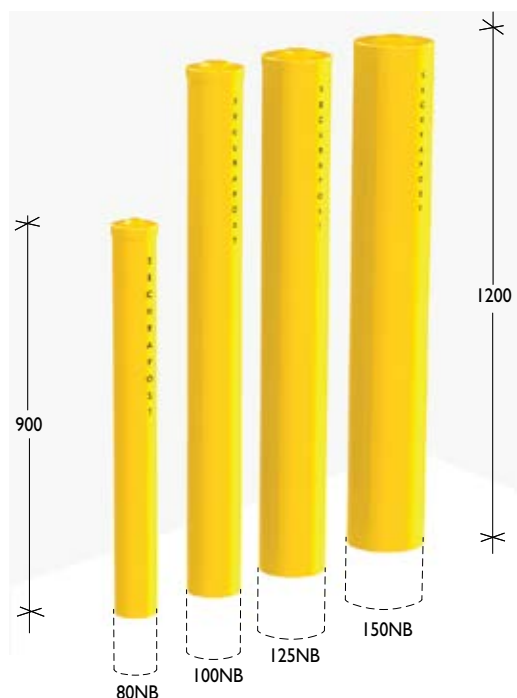


Baseplate

Baseplate Diameters

80NB	Ø166
100NB	Ø220
125NB	Ø220
150NB	Ø246

Fixed Insitu



The Economical Option

Material

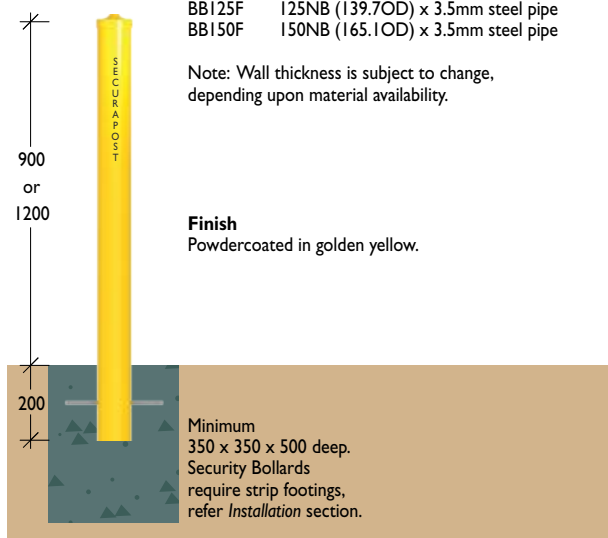
Six diameters available:

BB80F	80NB (88.9OD) x 3.2mm steel pipe
BB100F	100NB (114.3OD) x 3.6mm steel pipe
BB125F	125NB (139.7OD) x 3.5mm steel pipe
BB150F	150NB (165.1OD) x 3.5mm steel pipe

Note: Wall thickness is subject to change, depending upon material availability.

Finish

Powdercoated in golden yellow.

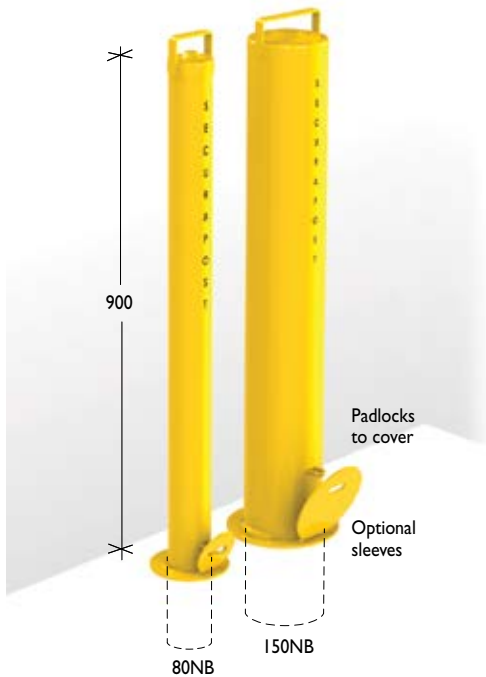


Minimum
350 x 350 x 500 deep.
Security Bollards
require strip footings,
refer *Installation* section.

Builders Bollards Locking & Removable

The Economical Option

Builders Bollards are a no-frills, economical range and can be ordered online and paid by credit card.



Material

Two diameters available:

BB80P 80NB (88.9) x 3.2mm mild steel pipe
BB150P 150NB (165.1) x 3.5mm mild steel pipe

Note: Wall thickness is subject to change, depending upon material availability.

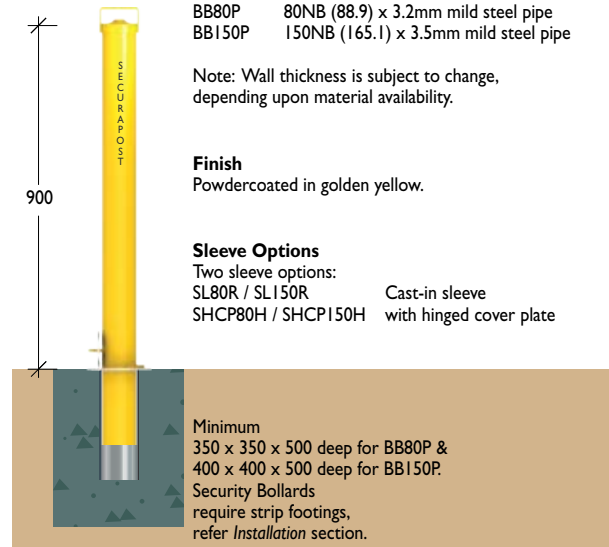
Finish

Powdercoated in golden yellow.

Sleeve Options

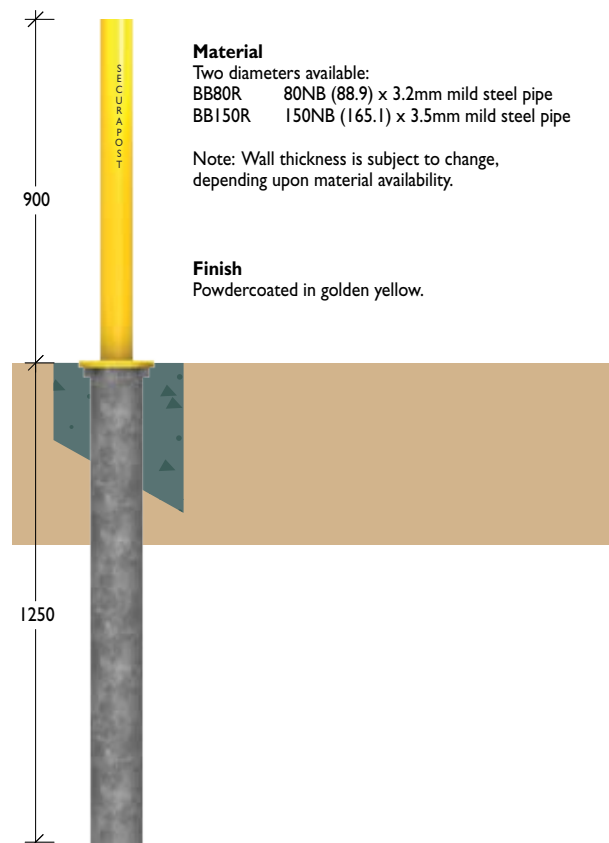
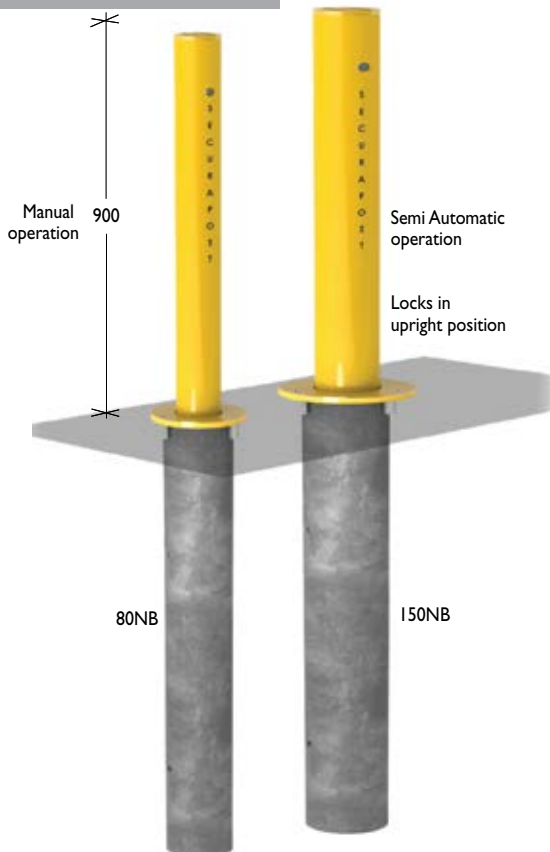
Two sleeve options:

SL80R / SL150R Cast-in sleeve
SHCP80H / SHCP150H with hinged cover plate



Minimum
350 x 350 x 500 deep for BB80P &
400 x 400 x 500 deep for BB150P.
Security Bollards
require strip footings,
refer *Installation* section.

Retractable



Material

Two diameters available:

BB80R 80NB (88.9) x 3.2mm mild steel pipe
BB150R 150NB (165.1) x 3.5mm mild steel pipe

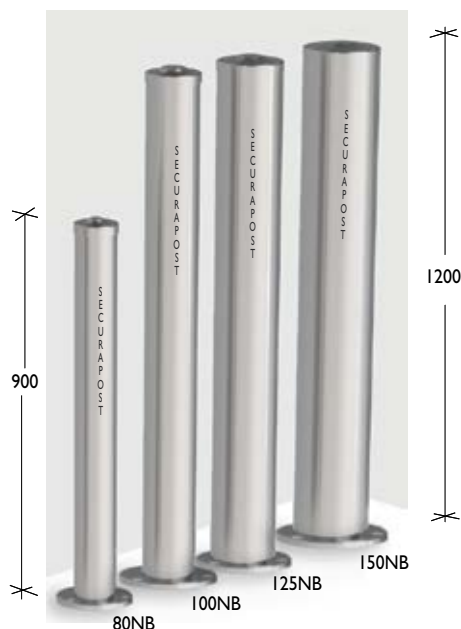
Note: Wall thickness is subject to change, depending upon material availability.

Finish

Powdercoated in golden yellow.

Builders Bollards

Fixed Baseplate



The
Economical
Option

Builders Bollards are a no-frills, economical range and can be ordered online and paid by credit card.



Material

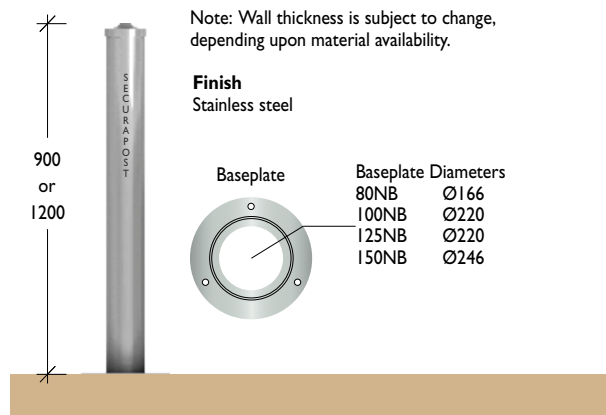
Five diameters available:

SBB80B	80NB (88.9OD) x 3mm steel pipe
SBB100B	100NB (114.3OD) x 3.5mm steel pipe
SBB125B	125NB (139.7OD) x 3.5mm steel pipe
SBB150B	150NB (165.1OD) x 3.5mm steel pipe
SBB200B	200NB (219.1OD) x 5.0mm ERW pipe

Note: Wall thickness is subject to change, depending upon material availability.

Finish

Stainless steel



Fixed Insitu



The
Economical
Option

Material

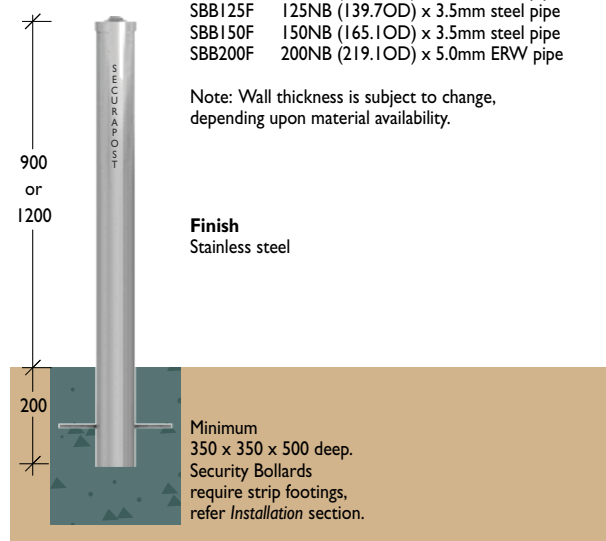
Five diameters available:

SBB80F	80NB (88.9OD) x 3mm steel pipe
SBB100F	100NB (114.3OD) x 3.5mm steel pipe
SBB125F	125NB (139.7OD) x 3.5mm steel pipe
SBB150F	150NB (165.1OD) x 3.5mm steel pipe
SBB200F	200NB (219.1OD) x 5.0mm ERW pipe

Note: Wall thickness is subject to change, depending upon material availability.

Finish

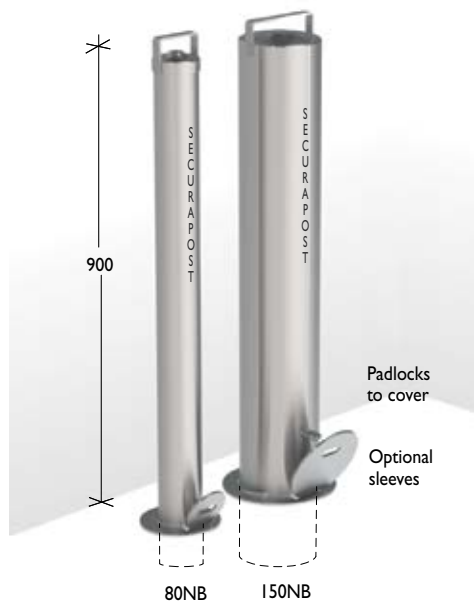
Stainless steel



Builders Bollards Locking & Removable

The Economical Option

Builders Bollards are a no-frills, economical range and can be ordered online and paid by credit card.



Material

Two diameters available:
SBB80P 80NB (88.9) x 3mm mild steel pipe
SBB150P 150NB (165.1) x 3.5mm mild steel pipe

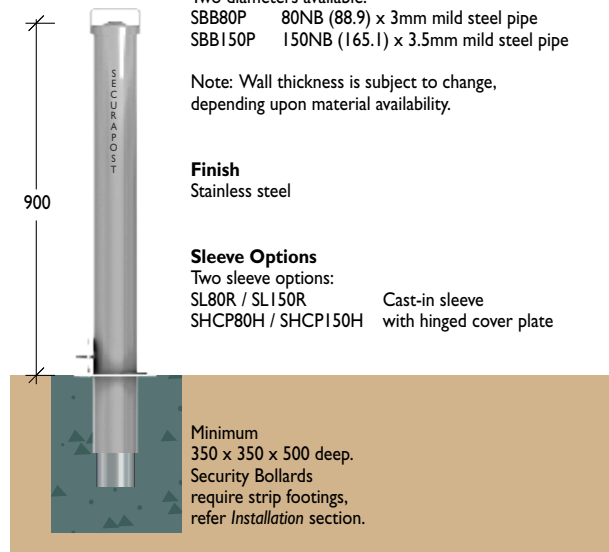
Note: Wall thickness is subject to change, depending upon material availability.

Finish

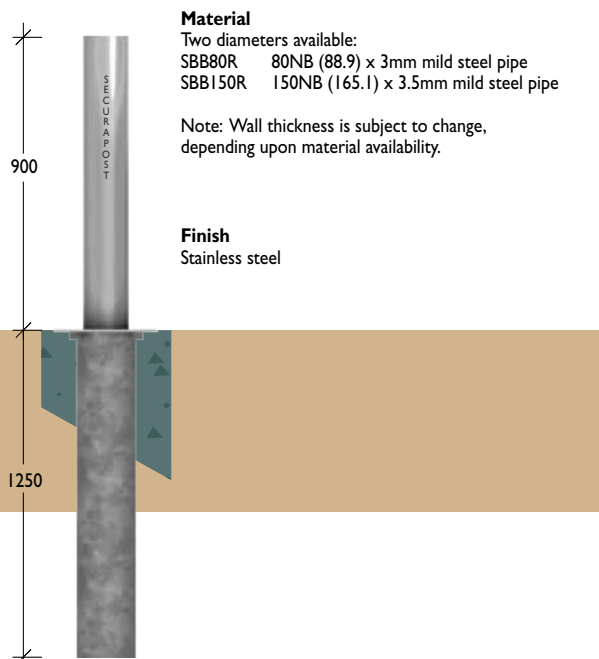
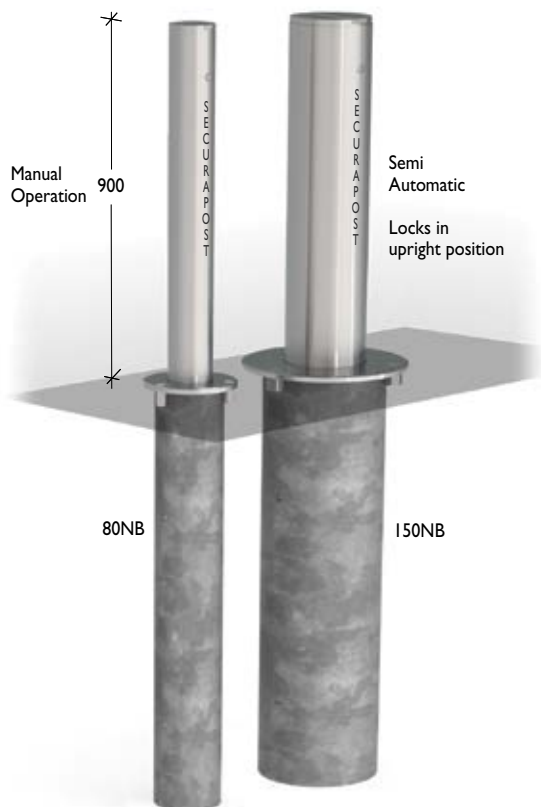
Stainless steel

Sleeve Options

Two sleeve options:
SL80R / SL150R Cast-in sleeve
SHCP80H / SHCP150H with hinged cover plate



Retractable



Material

Two diameters available:
SBB80R 80NB (88.9) x 3mm mild steel pipe
SBB150R 150NB (165.1) x 3.5mm mild steel pipe

Note: Wall thickness is subject to change, depending upon material availability.

Finish

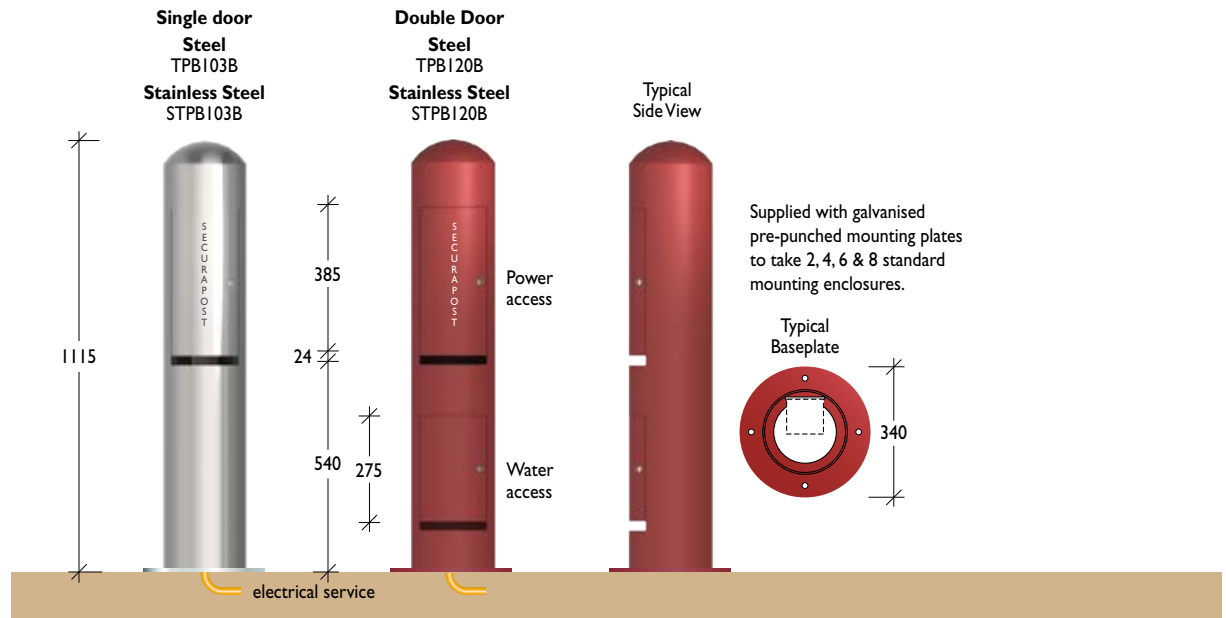
Stainless steel

Titan 200NB

Material Steel – 200NB (219.1) x 4.8mm pipe
Stainless Steel – 200NB (219.0) x 3.76mm pipe
Finish Steel - Electrostatically powder coated or hot dipped galvanised
Stainless steel – Linished or electro-polished

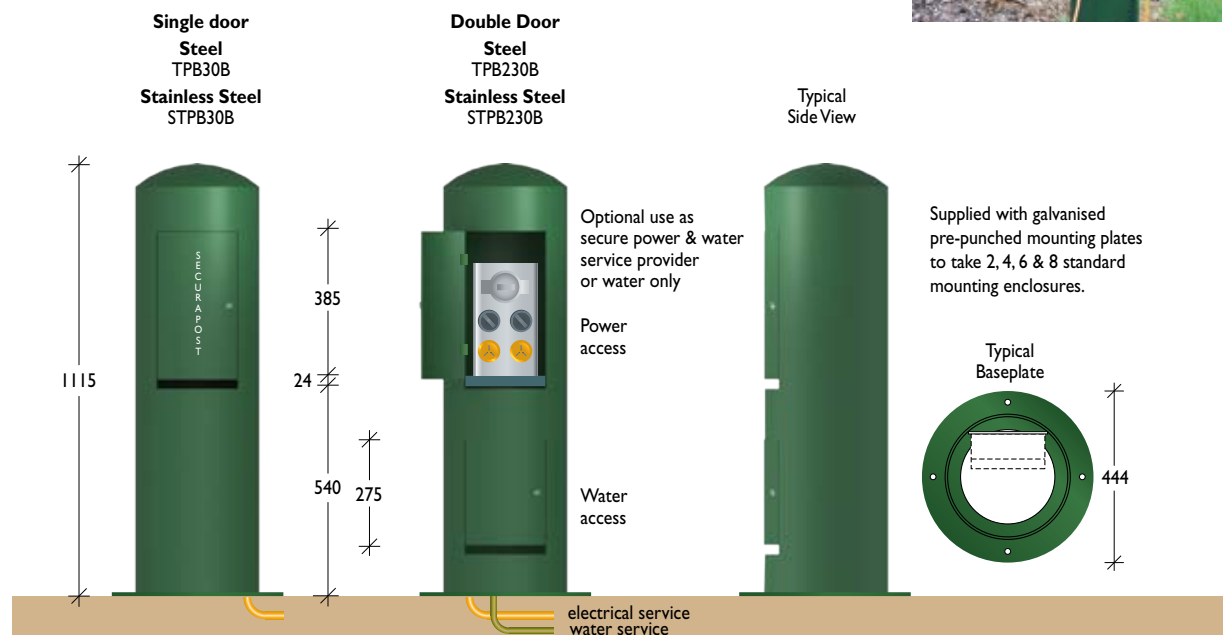
Leda power bollards are designed for use with Clipsal 56 Series switch gear. Electrical installation must be carried out by a licensed electrical contractor to comply with SAA wiring rules (AS3000) and any additional requirements of statutory authorities.

- Lockable and secure
- Power and / or water outlets
- Designed for use in remote areas
- Safe



Titan 300NB

Material Steel – 300NB (323.9) x 6.4mm pipe
Stainless Steel – 200NB (323.4) x 4.57mm pipe
Finish Steel - Electrostatically powder coated or hot dipped galvanised
Stainless steel – Linished or electro-polished



Industrial Range > Power Distribution

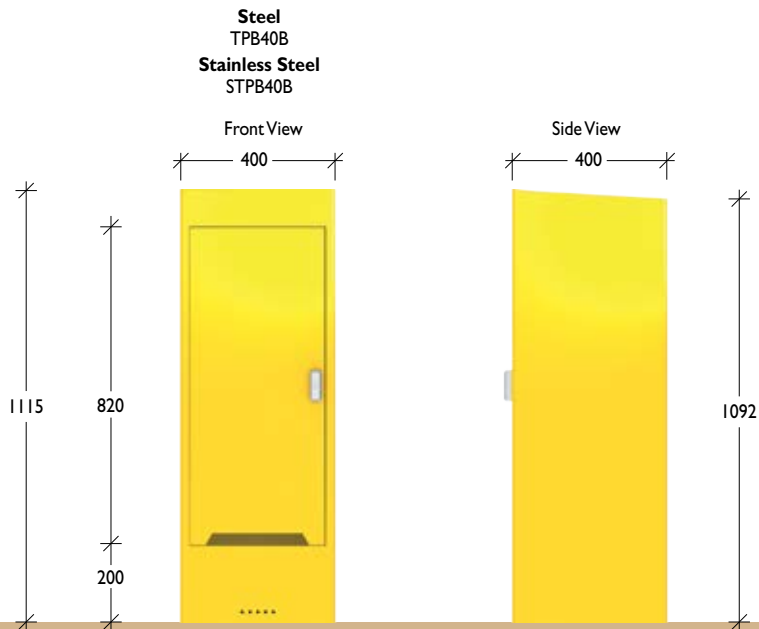
Product
Range

Titan 400

Material 3mm mild steel sheet / 3mm Grade 304 stainless steel sheet
Finish Galvanised / electro polished

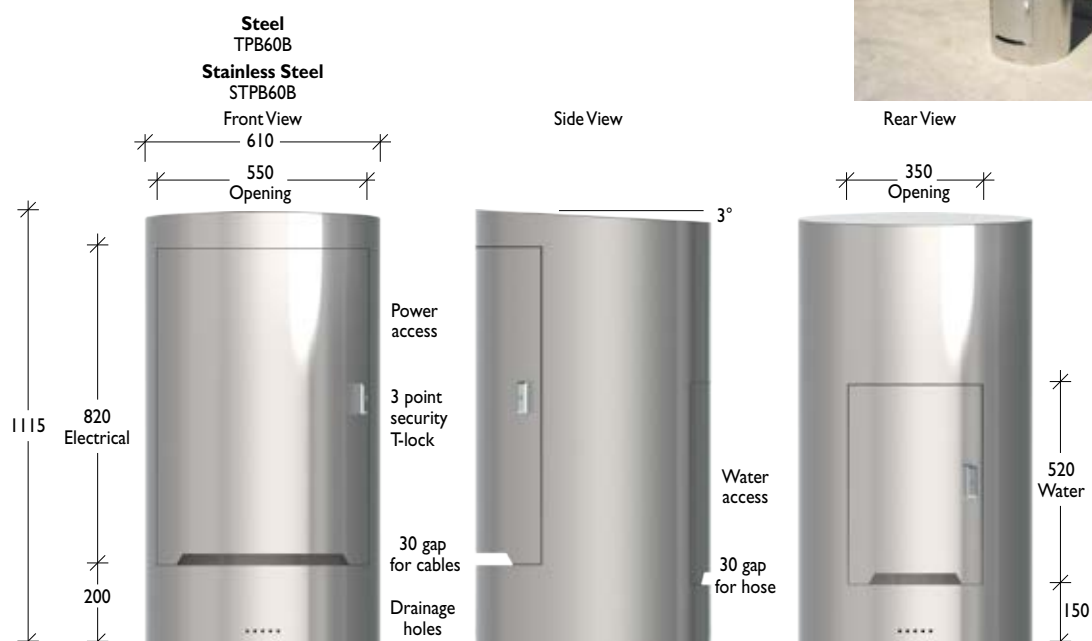


☎ 1300 780 450



Titan 600

Material 600NB (610) x 6.35mm steel pipe/ Grade 304 stainless steel pipe
Finish Galvanised / electro polished

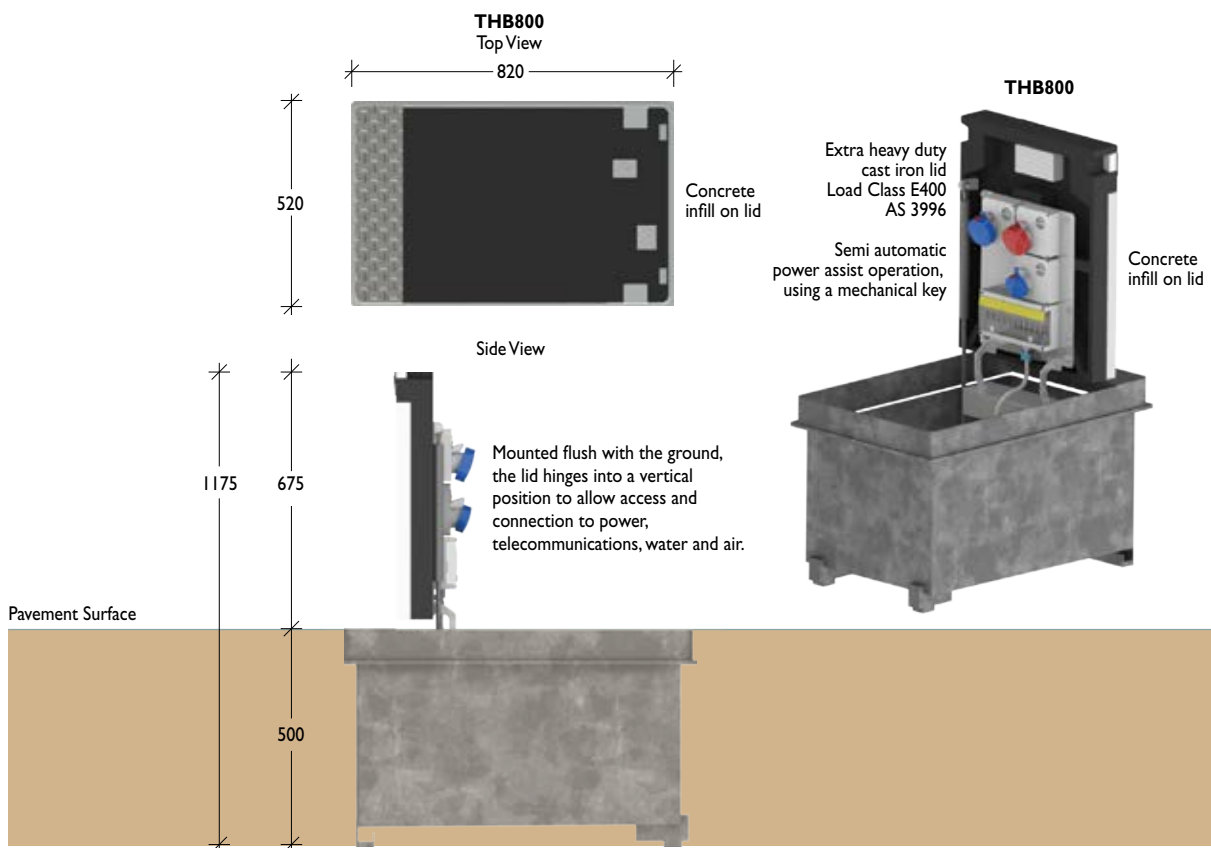
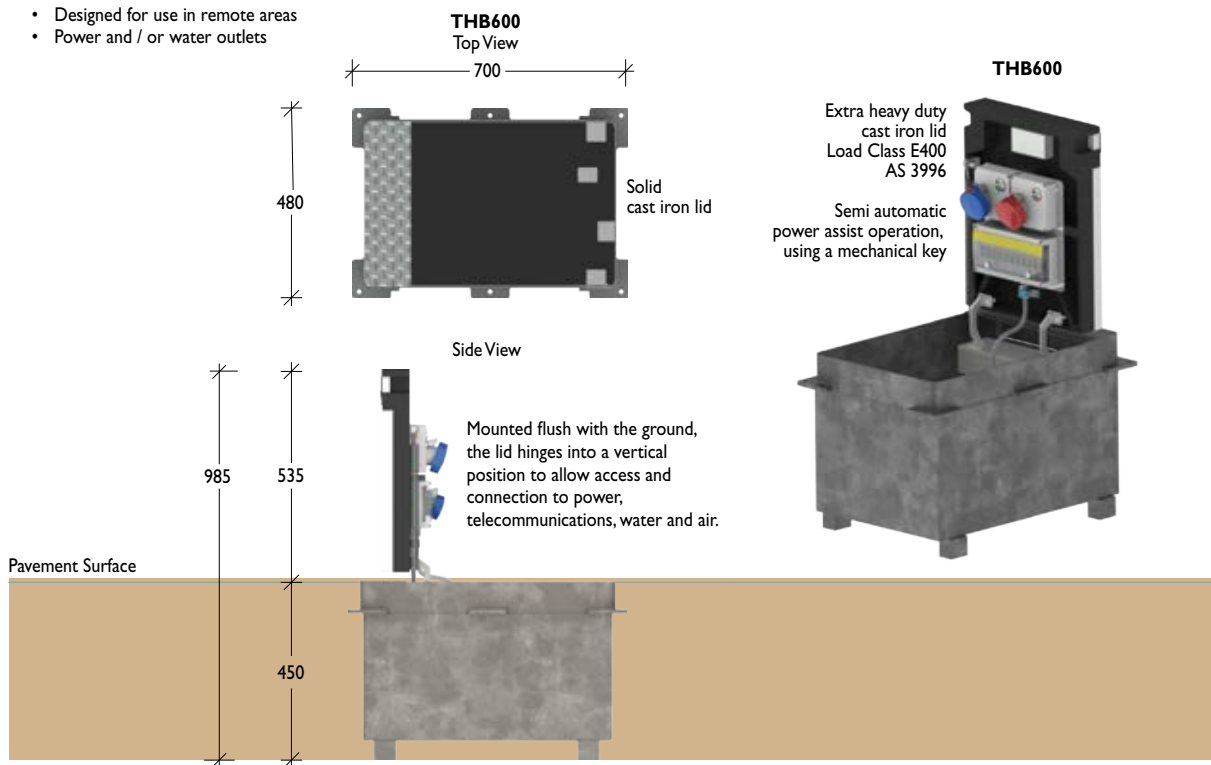


Titan THB Series

Hinged

- Lockable, secure and safe
- Designed for use in remote areas
- Power and / or water outlets

Designed for use with Clipsal 56 Series switch gear. Electrical installation must be carried out by a licensed electrical contractor to comply with SAA wiring rules (AS3000) and any additional requirements of statutory authorities.

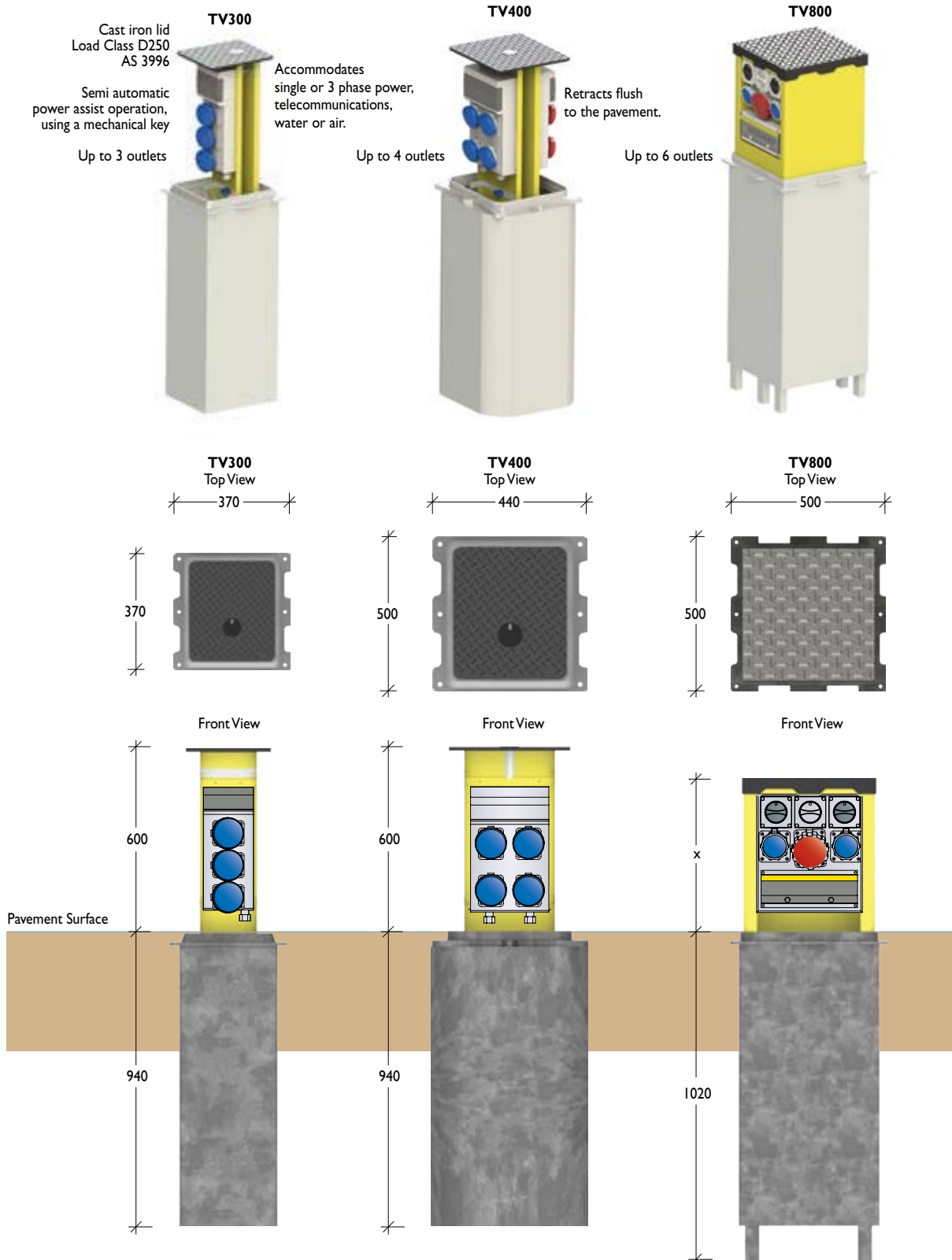


Titan TV Series

Vertical

- Lockable, secure and safe
- Designed for use in remote areas
- Power and / or water outlets

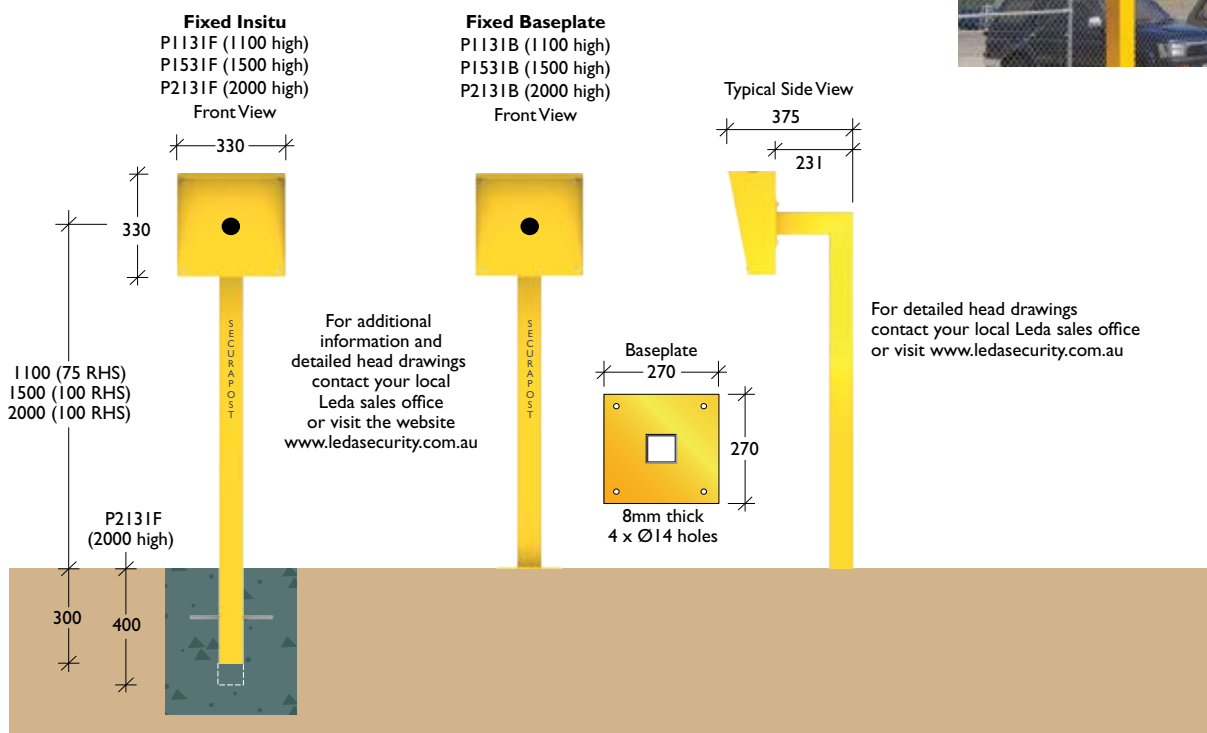
Designed for use with Clipsal 56 Series switch gear. Electrical installation must be carried out by a licensed electrical contractor to comply with SAA wiring rules (AS3000) and any additional requirements of statutory authorities.



P Series

Single

Material	Upright (1100 high) 75 x 75 x 3mm heavy duty galvanised RHS Upright (1500/2000 high) 100 x 100 x 3mm heavy duty galvanised RHS Reader Cover: 2mm galvanised plate
Finish	Electrostatically powder coated in industrial yellow

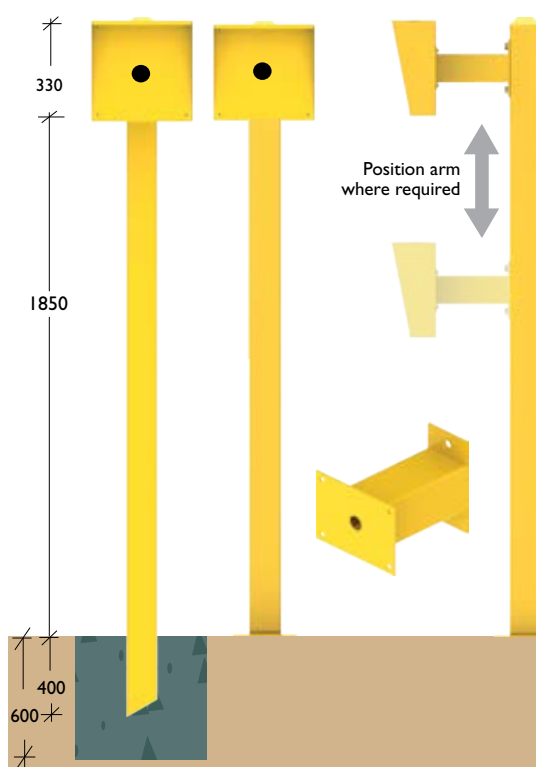


Adjustable

Material	Upright. 100 x 100 x 3mm heavy duty RHS Arm. 100 x 100 x 3mm heavy duty RHS
Finish	Electrostatically powder coated in industrial yellow

Finish Electrostatically powder coated in industrial yellow

Fixed Insitu PI3AF	Baseplate PI3AB
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Wall Mounted

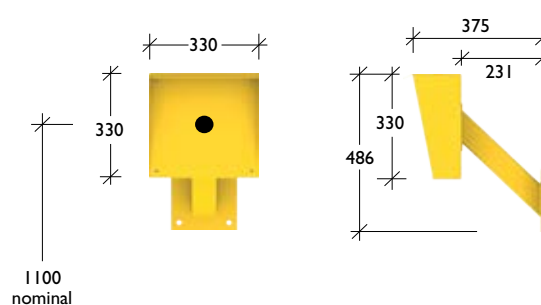
Material Upright. 100 x 100 x 3mm heavy duty galvanised RHS
Reader Cover: 2mm galvanised plate

Finish Electrostatically powder coated in industrial yellow

Finish	Reader Cover: zinnir galvanised plate Electrostatically powder coated in industrial yellow
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Wall Mounted
PWM3IP
Front View

Wall Mounted
PWM31P
Side View



For detailed head drawings
contact your local Leda sales office
or visit www.ledasecurity.com.au

Industrial Range > Card Readers

Product
Range

1300 780 450

P Series

Double

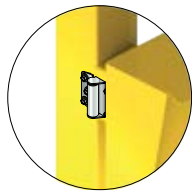
Material Upright 100 x 100 x 3mm heavy duty galvanised RHS
Reader Cover: 2mm galvanised plate
Finish Electrostatically powder coated in industrial yellow

Break-away Baseplate
PDH31BB

Locking & Removable
PDH31LR

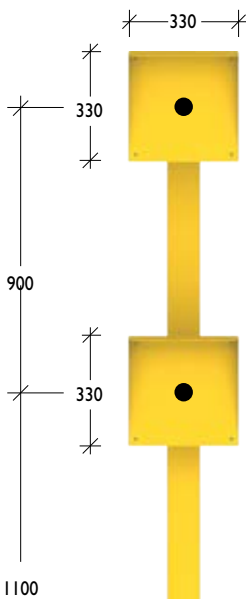


Fixed Baseplate
PDH31B

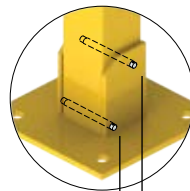


Spring-loaded hinges to allow movement of the card reader head in the event of impact

Fixed Insitu
PDH31F
Front View



Baseplate
270 x 270 x 8mm
4 x Ø14 holes



Ø12mm aluminium pin to shear in the event of vehicle impact

Ø12mm stainless steel pivot pin 'R' clips both sides

400mm inground sleeve with hinged cover plate



Baseplate
270 x 270 x 8mm
4 x Ø14 holes



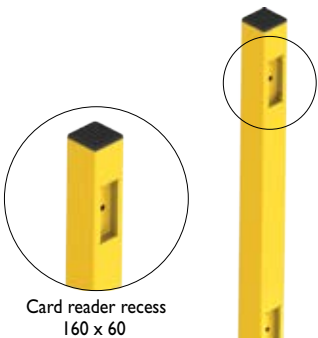
Industrial Range > Card Readers

Card Reader
Flush Mounted

Material Upright 100 x 100 x 3mm heavy duty galvanised RHS
Reader recess .2mm galvanised plate
Finish Electrostatically powder coated in industrial yellow



Fold-down Baseplate
FCR11BB

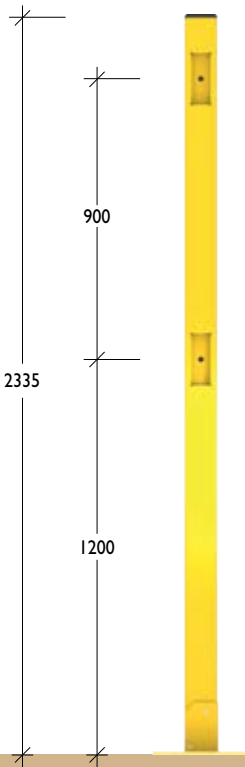


Fixed Baseplate
FCR11B

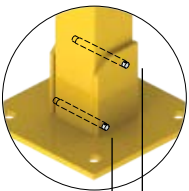


Fold-down Baseplate
FCR11BB
Front View

Fixed Baseplate
FCR11B
Front View



Baseplate
290 x 290 x 12mm
4 x Ø26 holes



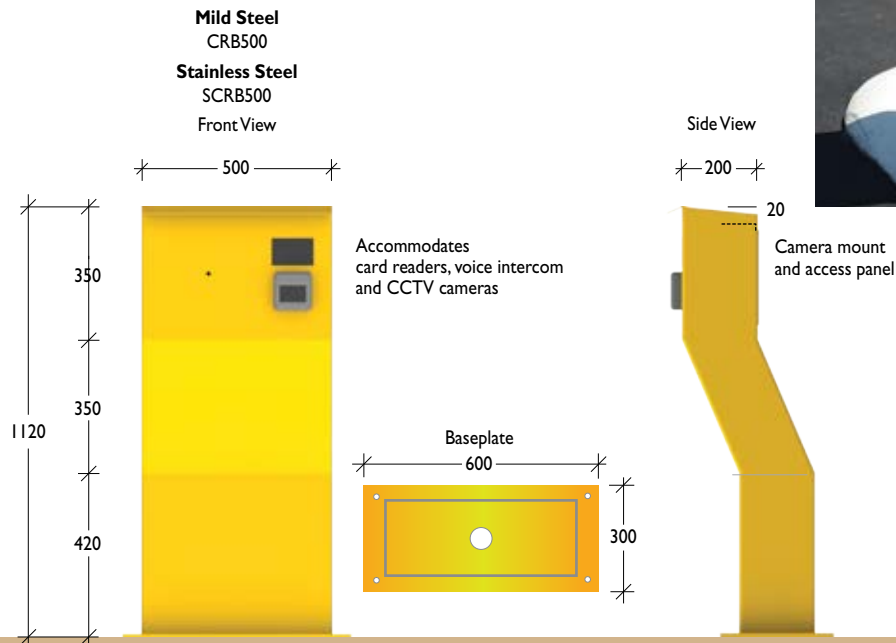
Ø12mm aluminium pin
to shear in the event of vehicle impact

Ø12mm stainless steel pivot pin
'R' clips both sides

Baseplate
290 x 290 x 12mm
4 x Ø26 holes

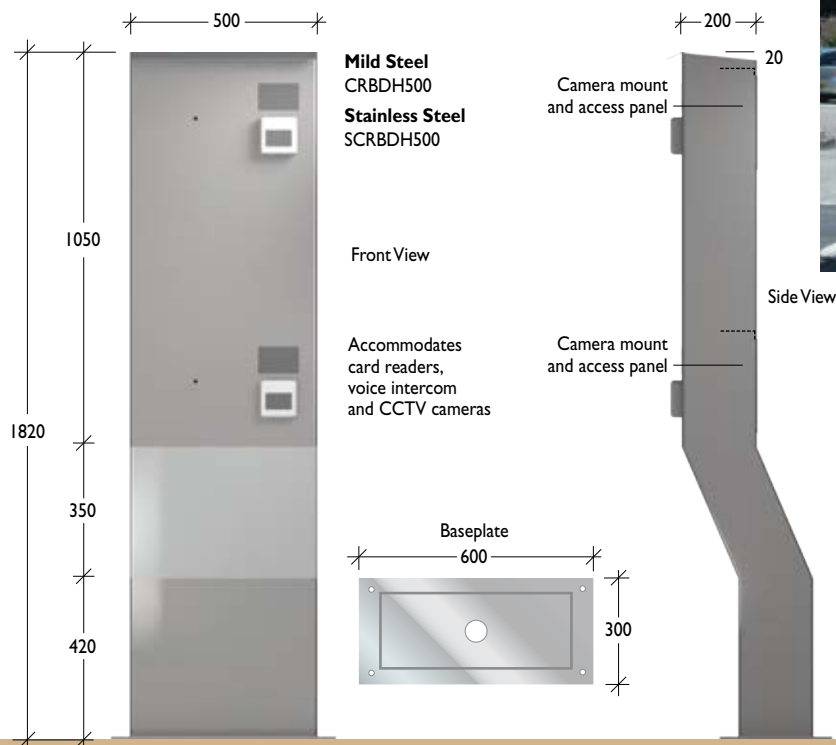
M Series Single

Material 2mm flat sheet / 40 x 40 x 4mm angle frame
Finish Mild steel. Electrostatically powder coated in a range of colours or hot dipped galvanised
Stainless steel. Linished or electro-polished



M Series Double

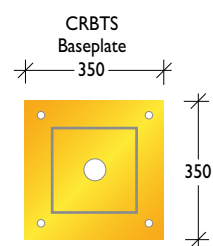
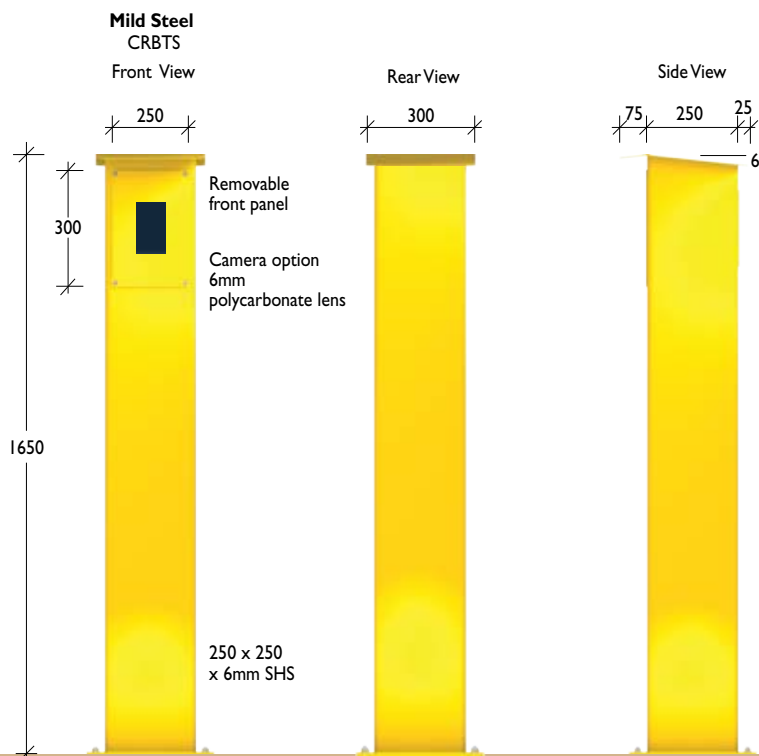
Material 2mm flat sheet / 40 x 40 x 4mm angle frame
Finish Mild steel. Electrostatically powder coated in a range of colours or hot dipped galvanised
Stainless steel. Linished or electro-polished



Designer Series

Square

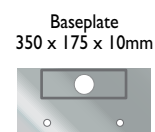
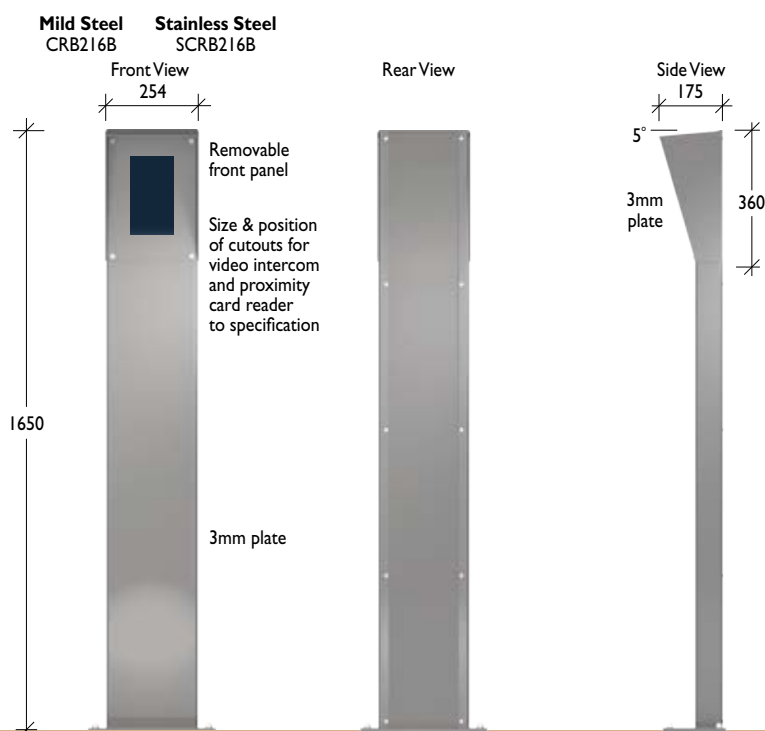
Material 250 x 250 x 6mm mild steel SHS
Finish Electrostatically powder coated



Designer Series

Rectangular

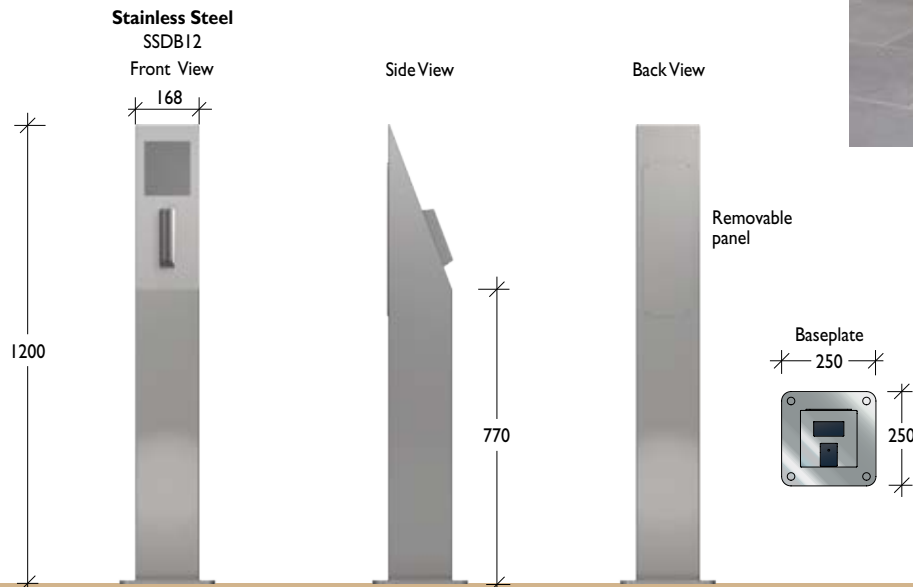
Material Galvanised steel / Grade 304 stainless steel
Finish Electrostatically powder coated / Linished or electro-polished



Designer Series Square Slant

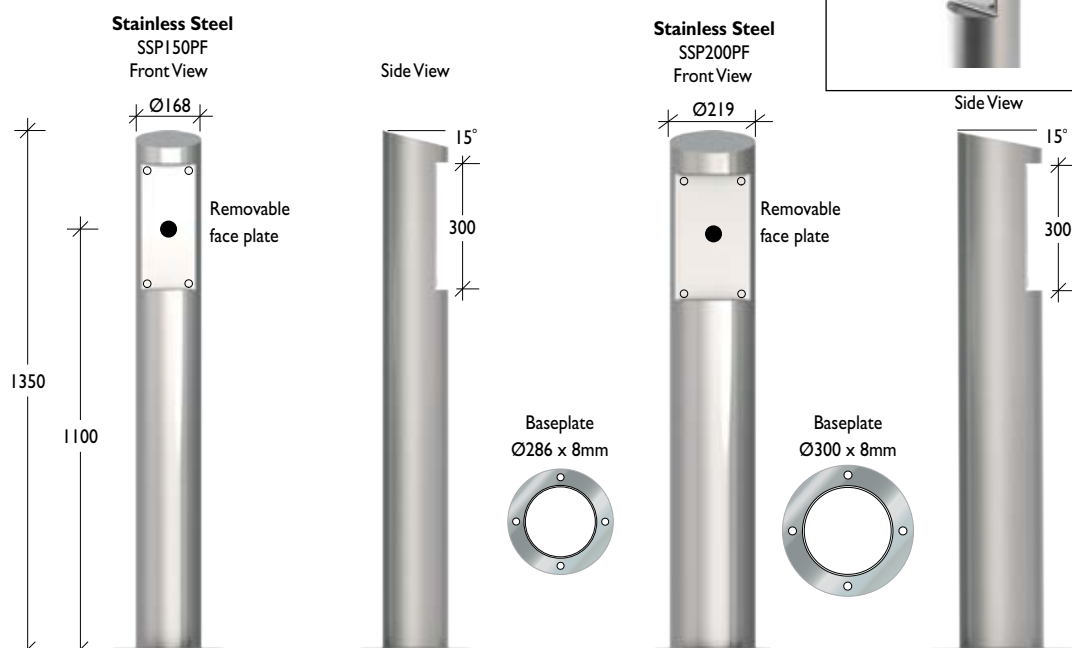
Material Grade 304 stainless steel RHS
Finish Linished or electro-polished

Holes on faceplate are lasercut to suit customer's electronic equipment, or supplied blank for customer to cut their own holes to suit



Designer Series Regal

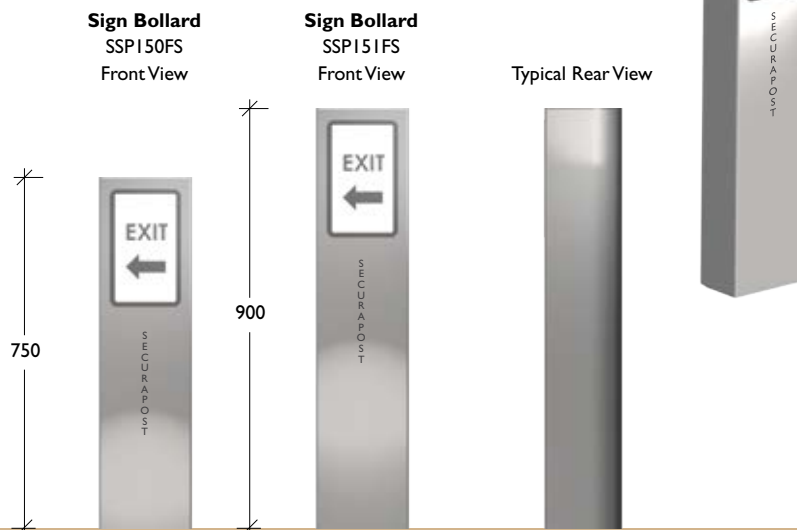
Material Grade 304 150NB (168.3) x 3.40 stainless steel pipe
Finish Linished or electro-polished



Sign Bollards

Material 150NB (168.3) x 3.40mm Grade 304 stainless steel pipe

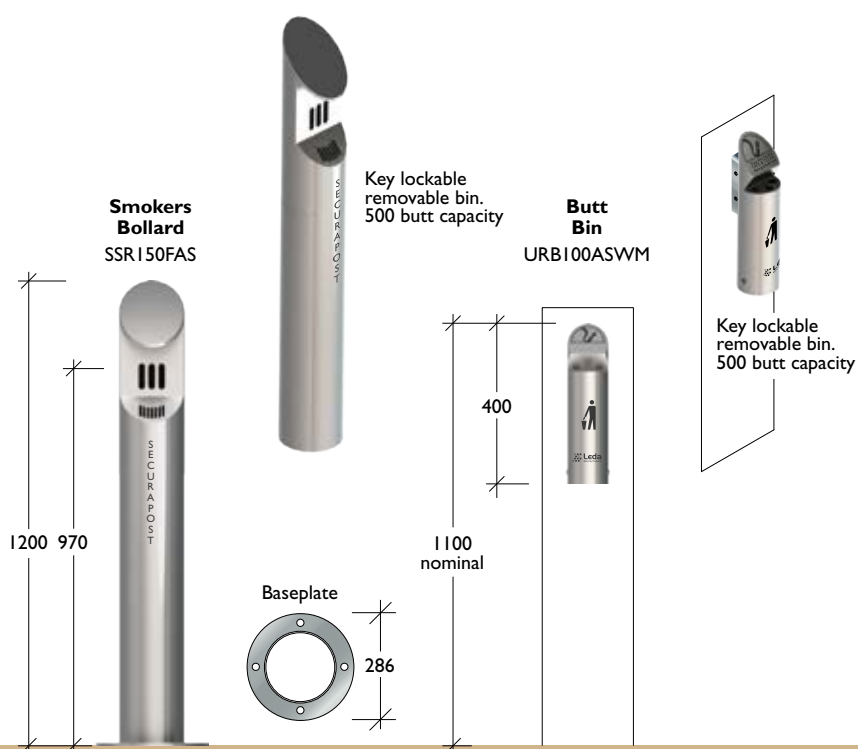
Finish Linished or electro-polished



Smokers Bollards

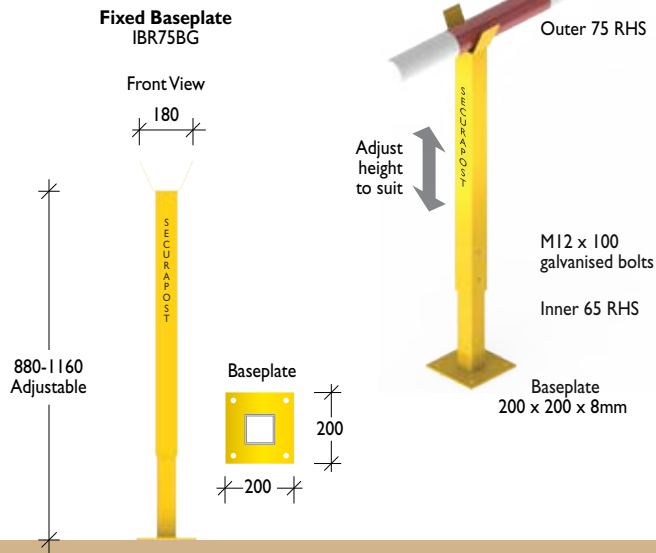
Material Butt Bin. 90NB (101.6) x 2.11mm Grade 304 Stainless Steel Pipe
Bollard. 150NB (168.3) x 3.40mm Grade 304 Stainless Steel Pipe

Finish Linished or electro-polished



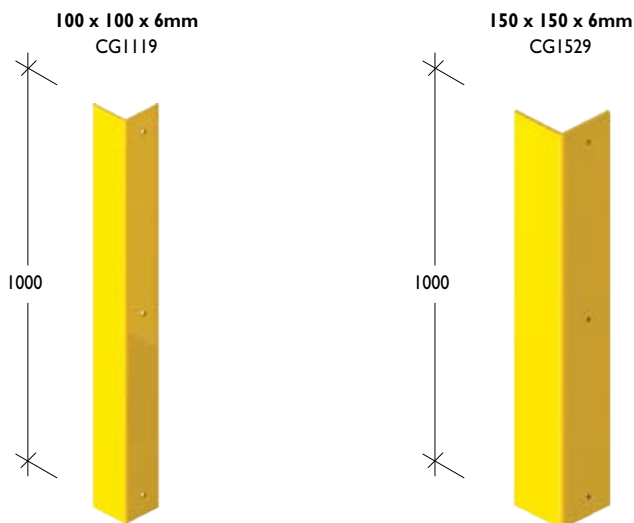
Receiving Post Suit Boom Gates

Material 65 x 65 x 3mm / 75 x 75 x 3mm RHS
Finish Hot dipped galvanised or electrostatically powder coated in a range of colours



Corner Guards

Material Galvanised mild steel angle, with countersunk fixing holes
Finish Hot dipped galvanised or electrostatically powder coated in a range of colours



Industrial Range > General Products

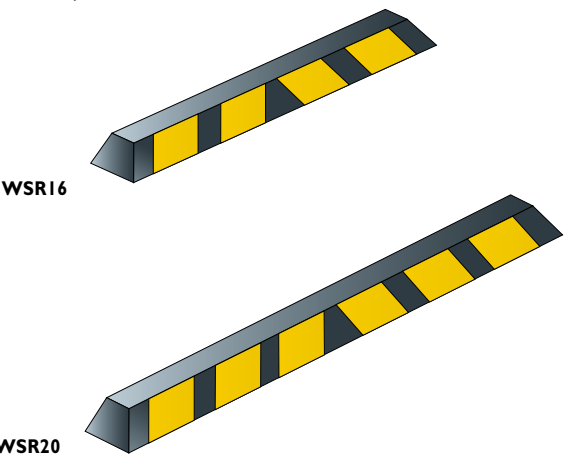
Wheel Stops
Pre-cast Concrete

30MPa concrete
Conforming to AS2890.1 – 2004



Wheel Stops
Rubber

100% Recycled Rubber
Car Stops



Product code	Material	Type	Length (mm)	Width (mm)	Height	Weight (kg)
WS16	Pre-cast	Car Stop	1650	190	90	57
WS20		Car Stop	2000	190	90	70
WSR16	Rubber	Car Stop	1650	160	100	19
WSR20		Car Stop	2000	160	100	22