Dugite Permanent Bollard Range (In Ground)

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>D114IG</td>
<td>900</td>
<td>600</td>
<td>114</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>D140IG</td>
<td>900</td>
<td>600</td>
<td>140</td>
<td>5</td>
<td>30</td>
</tr>
<tr>
<td>D165IG</td>
<td>1200</td>
<td>600</td>
<td>165</td>
<td>5</td>
<td>40</td>
</tr>
<tr>
<td>D219IG-G</td>
<td>1500</td>
<td>500</td>
<td>219</td>
<td>5</td>
<td>55</td>
</tr>
<tr>
<td>D324IG-G</td>
<td>1500</td>
<td>500</td>
<td>324</td>
<td>6.4</td>
<td>65</td>
</tr>
</tbody>
</table>

**FEATURES**
- Powder coated Gloss White or Safety Yellow
- Other colours to order
- Hot dip galvanised
- Press metal cap to allow concrete filling
- Red reflector strip at top of bollard
- Welded tags to secure into footing
- Two pack painting available for larger bollards
- Optional: chain lugs, chain and pad locks

* Installation spec may change job to job depending on level of security*
# Dugite Permanent Bollard Range (Surface Mounted)

## FEATURES
- Powder coated Gloss White or Safety Yellow
- Hot dip galvanised
- Press metal cap to allow concrete filling
- Red reflector strip at top of bollard
- Two pack painting available for larger bollards
- Optional: chain lugs, chain and pad locks
- Security fixings optional
- Supplied without fixings

*Installation spec may change job to job depending on level of security*

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D114SM</td>
<td>900</td>
<td>225</td>
<td>114</td>
<td>5</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>D140SM</td>
<td>900</td>
<td>300</td>
<td>140</td>
<td>5</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>D165SM</td>
<td>1200</td>
<td>350</td>
<td>165</td>
<td>5</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>D219SM-G</td>
<td>1200</td>
<td>375</td>
<td>219</td>
<td>5</td>
<td>12</td>
<td>45</td>
</tr>
<tr>
<td>D324SM-G</td>
<td>1200</td>
<td>375</td>
<td>324</td>
<td>6.4</td>
<td>15</td>
<td>55</td>
</tr>
</tbody>
</table>

**Dugite (Surface Mount) Bollard**

**Improve Security**
**Reduce Insurance Premiums**

**Unit 2/4 Leeway Court Osborne Park Western Australia 6017**

Phone: +61 8 9242 8677  Fax: +61 8 9244 2033
FEATURES

- Ram raid quality retractable bollard
- 90mm Sq x 5.6mm Wall for added strength
- Two keys supplied per bollard
- Flush fitting or raised to clients needs
- Recommended by insurance companies
- Self locks when lifted to full height
- Superior to Camlock removable bollards

SPECIFICATIONS

Material: 90mm Sq with 5.6mm wall galvanized steel, powder coated top with retractable handle
Finish: Acid etched metal coat primed and powder coated white gloss. Ground sleeve is hot dip galvanized
Height:  
  DB650 x 650mm High  
  DB900 x 900mm High
Weight:  
  DB650 - 22kg  
  DB900 - 28kg
Lock: Standard high security Lockwood oval cylinder
Installation: Excavation and concrete footing.
Heavy Duty Retractable Bollard for protection against ram raids and illegal entry. Bollard is fitted with a quality Oval lock for high security.

**SPECIFICATIONS**

114mm Diameter Post, 5mm wall, galvanised steel with stainless steel lifting handle. Ground sleeve is electroplated. Galvanised with two pack enamel paint finish in Safety Yellow. Two 30mm strips of White reflectors are fitted. Height: 900mm High

Weight: 900mm- 28kg

Locking System: High security Oval cylinder is fitted. Optional- keying to clients key.

Installation: Excavation and concrete footing.

**FEATURES**

- Ram raid quality Manual Retractable bollard
- 114mm Round bollard, 5.6mm wall
- Self locks when pulled to full height
- Recommended by Insurance companies
- Easy to use Lifting handle
- Two keys supplied with each bollard
- Superior to Removable bollards
Dugite Removable bollards help protect property and buildings whilst having the flexibility of easy removal for unrestricted access. Securely locked in place by padlock these removable bollards have been used by Shire Councils in their Parks and Gardens for over 20 years.

The locking plate is hinged to cover the hole when the bollard post is removed.

**SPECIFICATION**
- Bollard post 90mm square x 1.15m long x 5.6mm wall thickness.
- Ground sleeve is 500mm long for strength in sandy soils.
- Finish: Galvanised steel, primed and powder coated white with red reflectors.
- Weight: 12kg

**FEATURES**
- Inexpensive
- Help stop illegal access
- Hardened locking pin prevents hack sawing
- Heavy duty 5.6mm wall resists ramming
- Heavy duty Carbine padlocks available
- Standard powder coated white with red reflector
- Accessories: Storage stands, padlocks

**TO ORDER:**
IB89RS/PL-IG Removable bollard
IB89RS/PL-SS Storage sleeve
Carbine - 9mm shank Carbine padlock

* Installation spec may change job to job depending on level of security
The Dugite Round and Removable bollard is ideal to help protect property and buildings whilst having the flexibility of easy removal for unrestricted access. Securely locked in place by padlock these removable bollards are economical and easy to install. The locking plate is hinged to cover the hole when the bollard post is removed.

**SPECIFICATION**
- Material: 140mm diameter x 5mm wall x 900mm high
- Galvanised steel, powder coated white gloss with red reflective band
- Ground sleeve is hot dipped galvanised with hinged lid
- Weight: 15 kg

**FEATURES**
- 140mm diameter x 5mm wall Bollard for added strength
- Standard colour Pearl White
- Easy removal for unrestricted access
- Help protect against illegal entry or unauthorised access
- Heavy duty padlocks available
- Economically priced

**TO ORDER:**
D140R/PL/IG Removable bollard
Carbine - 9mm shank padlock

* Installation spec may change job to job depending on level of security*
The Dugite Round and Removable bollard is ideal to help protect property and buildings whilst having the flexibility of easy removal for unrestricted access. Securely locked in place by padlock these removable bollards are economical and easy to install. The locking plate is hinged to cover the hole when the bollard post is removed.

### SPECIFICATION
- Material: 90m diameter x 5mm wall x 900mm high
- Galvanised steel, powder coated white gloss with red reflective band
- Ground sleeve is hot dipped galvanised with hinged lid

### FEATURES
- 90mm diameter x 5mm wall Bollard for added strength
- Standard colour Pearl White
- Easy removal for unrestricted access
- Help protect against illegal entry or unauthorised access
- Heavy duty padlocks available
- Economically priced

### TO ORDER:
D90R/PL/IG Removable bollard
Carbine - 9mm shank padlock

*Installation spec may change job to job depending on level of security*
Surface Mount Removable Bollard (Key Lockable)

Model: D90/SMR/KL

The Surface Mounted Removable bollard is ideal to install to suspended slabs in multi-story car parks. It has a key lock that comes with two keys per bollard and can be keyed alike. If access is required the bollard posts can be unlocked and removed from the base plate. The base plate that is left bolted to the ground can easily be driven over being only 20mm high.

**SPECIFICATION**
- 90mmOD x 900mm high x 5mm wall thickness
- Galvanised and powder coated pearl white gloss
- Red reflective band
- Weight 11kg
- Baseplate holes 12mm x 4
- Round key lock with two keys per bollard

**FEATURES**
- Strong 5mm wall thickness
- Pearl white gloss standard
- Easy removal for unrestricted access
- Helps protect against illegal entry
- Two keys per bollard
- Keyed alike at no extra charge
- Fixed into concrete slab (no coring required)
- Complete with lifting handle

*Installation spec may change job to job depending on level of security*
These stainless steel in ground bollards are used for heavy duty applications such as road separation from pedestrians. The recommended diameter used on major projects i.e. (City of Perth main railway station entrance) is 168mm.

We can supply them with a fully welded, flat cap or with a separate spring cap if you want to concrete fill the bollard.

**FEATURES**

- 168mm outside diameter
- 1.5 metres long
- 316 marine grade stainless steel
- Linished
- Welded flat cap or loose spring cap

**TO ORDER:**

Model IB168SS – 316/900IG

* Installation spec may change job to job depending on level of security*
This upmarket 316 Marine Grade Stainless Steel Removable Bollard is not only made to withstand the harsh salt air, but to help prevent unauthorised access. Made to easily lock in place with a quality 570 lock and two keys per bollard. Easy to unlock and remove from the ground sleeve and comes with a cap to cover the hole. The bollard has a handle that is easy to use and lays flush.

**SPECIFICATION**
- Material: 316 Marine grade Stainless Steel
- Dimensions: 114mm Diameter x 900mm High x 3mm wall
- Finish: Linished Stainless Steel with one yellow reflective strip
- Weight: Bollard 10kg, base and cap 7kg
- Locking System: 570 Oval lock with two keys

**FEATURES**
- Quality 316 Marine Grade Stainless
- Easy to use and not heavy to lift
- Heavy duty Oval lock with two keys
- Flush fitting lifting handle
- Comes with cap to cover the hole
- One, Class one yellow reflective strip for high visibility
- Matches and can be used with 114mm SS Retractable bollards

*Installation spec may change job to job depending on level of security*
Dugite Platinum Stainless Steel Manual Retractable Bollard

Manual operation, 316 Marine Grade Stainless Steel Retractable Bollard – strong, but good looking

**SPECIFICATION**

- Material: 114mm diameter, 316 Marine Grade Stainless Steel post with electroplated ground sleeve
- Finish: Linished Stainless Steel with two 30mm reflective strips
- Height: 900mm high
- Weight: 28kg
- Locking System: Self locks, release with turn key. One key supplied per bollard
- Installation: Excavation and concrete footing

**FEATURES**

- 114mm diameter Round bollard
- 900mm High
- Stainless Steel 316 Marine Grade
- Economical, easy to use
- Manual Retractable operation
- Hidden handle and lock
- One key supplied per bollard

**TO ORDER:**

D/PLA114S4/900M – 114mm diameter x 900mm High
SPECIFICATIONS
- Material: Reinforced concrete
- Height: 100mm
- Width: 230mm
- Length: 1650mm
- Fixings: Fixing spikes available
- Weight: 65kg

FEATURES
- Solid concrete
- No fade grey
- Easy to fix to ground
- 2 x 25mm Spike holes
- Conforms to AS/NZS 2890.1:2004

To help stop vehicles hitting carpark walls or penetrating walk areas. Ideally used in large car parks or parking buildings.

TO ORDER:
IB/CWS1650

* Installation spec may change job to job depending on level of security
Dugite Rubber Wheel Stop

**SPECIFICATIONS**
- Material: Moulded rubber with yellow reflectors
- Height: 95mm
- Width: 155mm
- Length: 1650mm
- Weight: 14kg
- Fastenings: 3x M10x150mm Coach screws & plugs
- Bitumen spikes optional

**FEATURES**
- Moulded rubber construction
- Medium weight 14kg
- Complies AS2890.1.2004
- Low cost
- Includes fixings
- Easy to install
- Installation service available

Our low cost rubber wheel stop comes with yellow reflective panels. It has three fixing holes, comes inclusive of fixings. Complies to AS2890.1.2004.

Recommended for car parks, parking buildings, industrial facilities, factory complexes and domestic garages.

TO ORDER:
D/RWS1650

*Installation spec may change job to job depending on level of security*
Dugite Rubber Speed Humps

Quickly slow traffic down by using rubber speed humps. These economical rubber speed humps are ideal in lighter traffic areas. Being rubber, there is less noise driving over them and a more cushioned ride. They conform to AS2890.1.2004 when laid in alternative colours (yellow/black).

**SPECIFICATIONS**
- Material: Recycled & new rubber
- Height: 50mm
- Width: 340mm
- Length: 250mm (4 modules per metre)
  End caps 50mm high x 340mm wide x 170mm long
- Weight: 2kg
- Fixings: Supplied (2x Coach screws, washers and plugs per module)

**FEATURES**
- Economical
- Easy to install
- Fixings supplied
- Complies AS2890.1.2004

TO ORDER:
D/RSH50 B+Y

* Installation spec may change job to job depending on level of security
Light weight and easy to install and yet strong enough to take heavy traffic such as trucks and cars. Commonly used in multi-story car parks, shopping centre car parks, hospitals, in fact all areas where speed of vehicles must be reduced to create a safe environment. When using Polyethylene there is little sound made driving over them, but they are abrupt enough to slow speeding drivers.

**SPECIFICATION**
- Material: Polyethylene
- Size: 50 x 250L x 350W Module, End cap 180mm Long
- Weight: 1.4g per module
- Fixings: 2 per module
- Colours: Black+ Yellow modules and End caps.

**FEATURES**
- Complies with AS2890:1:2004
- UV protection against fading
- Heavy Duty for trucks and cars
- Supplied with fixings
- Built in reflectors for night vision
- Honey comb construction for strength
- A strong, quiet alternative to steel speed humps

* Installation spec may change job to job depending on level of security*
Tough steel construction made to last in outdoor or multi-level carparks. Able to withstand constant traffic flow of cars or trucks. Galvanized steel is 2 pack epoxy painted for long life in Black and Yellow sections as per AS2890.1.2004

**SPECIFICATION**
- Material: 3mm Plate steel, hot dip galvanized, 2 pack painted
- Height: 52mm
- Width: 350mm
- Length: 1 metre
- End Caps: Rubber 52mm x 350mm x 175mm
- Weight: 17.5kg
- Fixings: Plugs and coach screws

**FEATURES**
- Complies AS2890.1.2004
- Economical
- Easy to Install
- Fixings included
- Cable access beneath 30mm high x 65mm wide

*Installation spec may change job to job depending on level of security*
Protect your Parking Bay against illegal parkers with our Fold Down, key lockable bollards.

**SPECIFICATIONS**

- 65mm Diameter x 3.5mm wall thickness
- Height 600mm
- Galvanised and Powder coated Safety Yellow
- Weight 10kg
- Secure lock with 2 Keys supplied
- 100mm ground clearance

**FEATURES**

- Economical
- Key lock with 2 keys
- Easy to install
- Rubber stopper to protect post
- Push centre of lock to lock

**TO ORDER:**

Model IB/FD/KL – Dugite Fold down, Key lockable Bollard 600mm High
Protect your parking bay against illegal parkers with a remote controlled Parking Bay Bollard. By using the remote the bollard will lay flat allowing you to drive into your parking bay and park. When you leave, push your remote button and the parking barrier will raise and lock into place protecting your bay while you are away.

**SPECIFICATION**
- Dimensions: 70mm x 460 x 460
- Material: Galvanised, powder coated Safety Yellow
- Weight: 8kg
- Height: 390mm up, 70mm down
- Raise/Fall time: 5 seconds
- Voltage: DC6V
- Static current: 3.5MA
- Working Current: 3.5A
- Effective load: 2000kg

**FEATURES**
- Remote control operated
- Two remotes per bollard
- Range up to 50 metres
- Raise/lower in 5 seconds
- Batteries last up to 12 months
- Audible alarm against theft
- Simple to install
- Two master keys, turn on/off

*Installation spec may change job to job depending on level of security*
Pedestrian rails also known as Grab rails are used for Pedestrian Protection at school crossings and busy roads. Highly visible in Safety Yellow or Gloss White powder coat with Main Roads reflective stickers. The legs can be concreted in or sleeves concrete set and the rails dropped in and held firm by metal wedges. If the Pedestrian Rail needs replacing we remove the wedges and install a new rail.

**SPECIFICATION**
- 60mm diameter x 600mm /900mm/1200mm or 1500mm Wide
- Galvanized steel
- Powder coated Safety yellow with red/white reflective
- In ground or sleeves+ wedges for removable

**FEATURES**
- Fixed or Removable
- In ground legs for permanent installation
- Removable comes with two sleeves and two wedges
- Safety yellow powder coat with reflective for high visibility
- Used in Bike ways to stop vehicle access
- Help protect children at school crossings
- Cost effective solution

* Installation spec may change job to job depending on level of security
Dugite Barrier Rails - Heavy Duty

SPECIFICATIONS
- Material: 90mm Diameter, 5mm wall thickness, Galvanised steel with Optional Powder Coating
- Widths available: 2 metre, 3 metre and 4 metre
- Height: 1.2m leg. Usually 600mm above ground And 600mm below ground
- Weight: 2metre - 28kg, 3metre - 42kg and 4metre - 56kg

FEATURES
- Galvanised Steel Finish
- Optional Powder Coating
- Solid “one piece” Design
- Heavy Duty 5mm Steel Wall Thickness
- In Ground Or Surface Mounted
- Installation Service Available

Used throughout car yards
Australia-wide to help protect against theft, these Heavy Duty Barrier Rails are also appealing to the eye and are not a distraction to the vehicles themselves.

TO ORDER:
D/BRHD/2000, 3000, 4000
Add “SM” for Surface Mounted

* Installation spec may change job to job depending on level of security
The 4 Bike/Bike rack comes standard in Hot Dipped Galvanised finish with optional powder coating. This solid design can be bolted to the wall if space is a problem or bolted down. This model has been mainly supplied to schools and colleges throughout Australia for more than 20 years.

**FEATURES**
- Solid design
- Hot dipped galvanised
- Can be wall mounted
- Economical
- Can be cut into a 2x2 bike
- Optional powder coating, any colour
- Can custom make 5 or 10 bike racks
- Weight 35kg
- Fixings additional
- Free delivery Perth metro

**SPECIFICATIONS**
- Width: 44cm
- Height: 30cm
- Length: 180cm
- Material: Angle line and solid steel rod
- Finish: Hot dipped galvanised
- Weight: 35kg

**TO ORDER:**
IB/BR5HDG - Hot dip galvanised
IB/BRSHDG/PC - HDG + Powder coated

* Installation spec may change job to job depending on level of security
Secure your Roller Door from the inside to stop illegal entry. Deter thieves from levering up your door out of its runners for a quick smash and grab raid. Can’t afford Bollards or need a temporary security solution?

FEATURES

- An inexpensive solution
- Hot dip galvanized
- Free fixings supplied
- Free Padlock supplied
- Heavy duty 10mm steel plate
- Installation service available

TO ORDER:
DRDA

* Installation spec may change job to job depending on level of security
Retractable Belt Guards are used to stop unauthorised access to warehouses or Loading Bays. The yellow and black belt can be easily pulled out of the housing and attaching to the belt clip opposite.

**Wall Mounted model DRBG/W**
The main housing can be screwed to the wall or fixed to pallet racking with the receiver clip fixed to the opposite wall.

**Magnetic model DRBG/M**
This magnetic model is ideal for temporary installation when you need to close off an area short term. Belt Guard housing and receiver clip are both magnetic so no screws required.

**FEATURES**
- Belt extends up to 5 metres
- Black and yellow Hazard belt
- Strong polycarbonate housing in Black
- Comes complete with Wall clip
- Screws fixing included for Wall mount model
- For temporary installation use the Magnetic model

* Installation spec may change job to job depending on level of security*