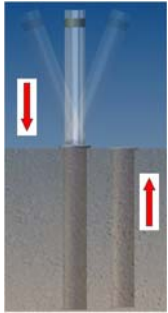


## **B2 Bollards 114mm (4") Diameter**

The B2 (114mm) series are made from marine grade Stainless Steel Tube and are very strong and durable. The internal mechanisms are also made from stainless steel so that there is no corrosion problem.



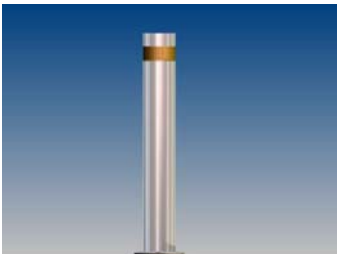
**B2.a 114mm - Self-Righting**



**B2.b 114mm - Self-Righting Retractable**



**B2.c 114mm - Retractable**



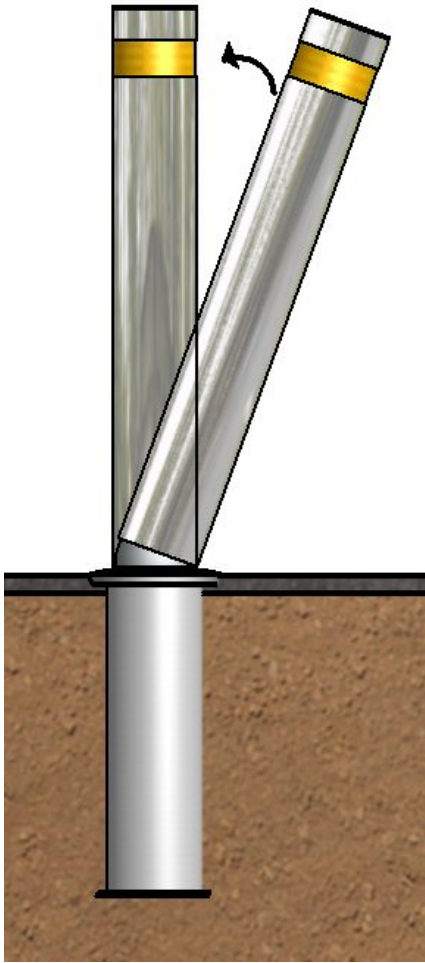
**B2.d 114mm - Fixed**



**B2.e 114mm - Removable**



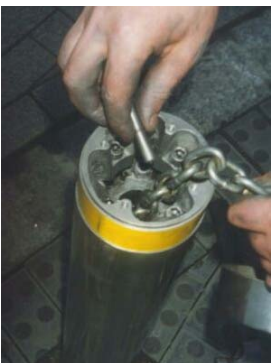
# SELF RIGHTING BOLLARD



- Can be pushed over to 45° by vehicles only and will automatically return to upright position.
- When pushed beyond 45 (e.g. by a Fire Engine for access) a shear pin will break allowing the bollard to drop to the ground.
- When dropped, the bollard will remain secured by a chain.
- A new low-cost shear pin and a few minutes of labour will restore the bollard.



Self-righting bollard being restored to upright (spring loaded) position by fitting a new shear pin.



## Self-righting Bollards prevent access in high use areas and will take nudging.

The Self-righting Bollards have been developed to take a nudge from a vehicle and can be displaced up to 45 degrees without damage to the bollard. Should they be nudged more than 45 degrees then a link inside will snap and the Bollard will fall flat on the ground but be retained in the general area by a chain. Later the snappable link can be replaced and the bollard returned to its upright position.

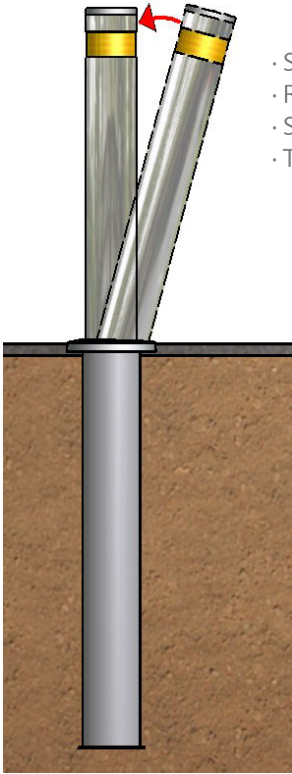
These features have been built into these Bollards for two main reasons.

**A** - To save damage to the Bollards if they are in a position to be nudged by vehicles on a regular basis.

**B** - To enable Emergency Vehicles (like Fire Engines) to drive through without having to find a key holder.



# SELF-RIGHTING RETRACTABLE



- Self correcting after a nudge by a vehicle
- Retracts flush to the ground allow access to security areas
- Strong enough in the down position for vehicles to drive over
- The inner moving part is easily replaced without excavation

With all the benefits of both the Self-Righting and the Retractable bollard, the self-Righting Retractable is the best choice for high traffic volume areas. The Self-Righting Retractable bollard will automatically correct it's self after being nudged by a vehicle, it also allows access for vehicles to security areas where access is normally restricted.



The Self-righting Bollards have been developed to take a nudge from a vehicle and can be displaced up to 45 degrees without damage to the bollard. Should they be nudged more than 45 degrees then a link inside will snap and the Bollard will fall flat on the ground but be retained in the general area by a chain. Later the snappable link can be replaced and the bollard returned to its upright position.

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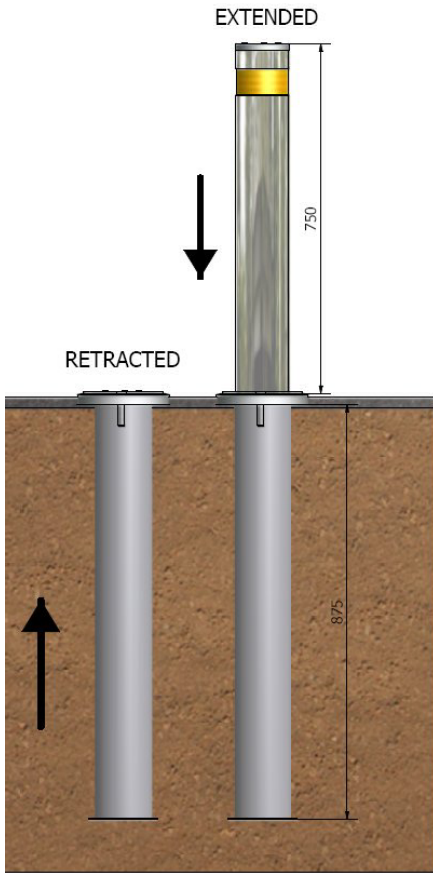
**A** - To save damage to the Bollards if they are in a position to be nudged by vehicles on a regular basis.

**B** - To enable Emergency Vehicles (like Fire Engines) to drive through without having to find a key holder.

## Avoid Costly Repairs!



# RETRACTABLE BOLLARDS

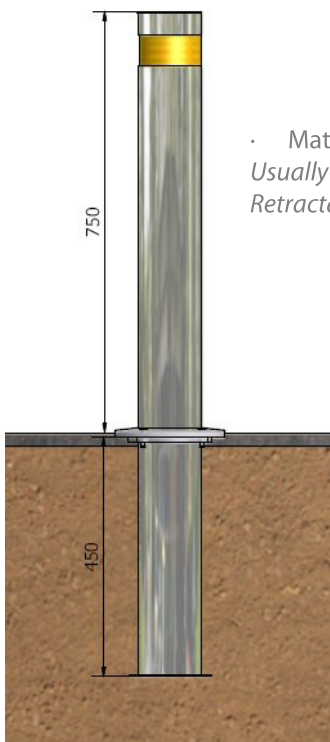


- Drops down flush to ground
- Locks in the UP and the DOWN position
- Strong enough for vehicles to drive over when in the DOWN position
- The inner moving part is easily replaced without excavation



**Retractable Bollards**  
**provide access in high use areas.**

# FIXED BOLLARD

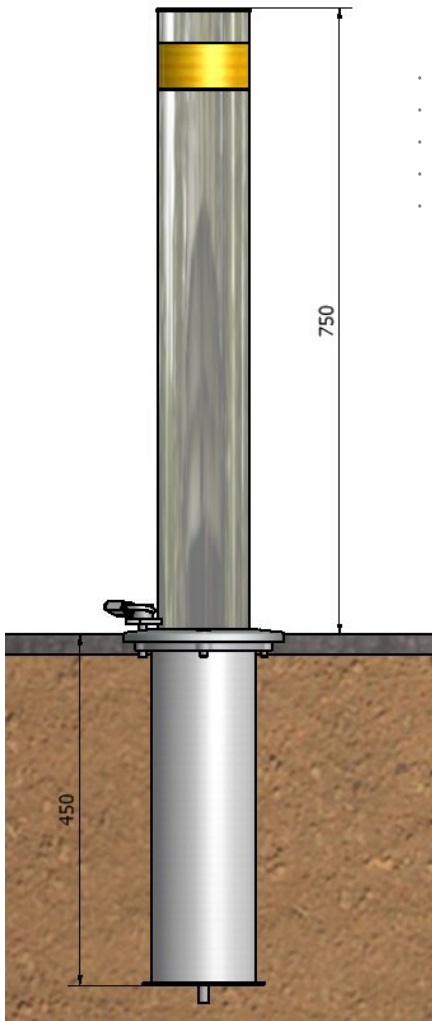


- Matches Retractable Bollard  
*Usually used in conjunction with Retractable bollard*

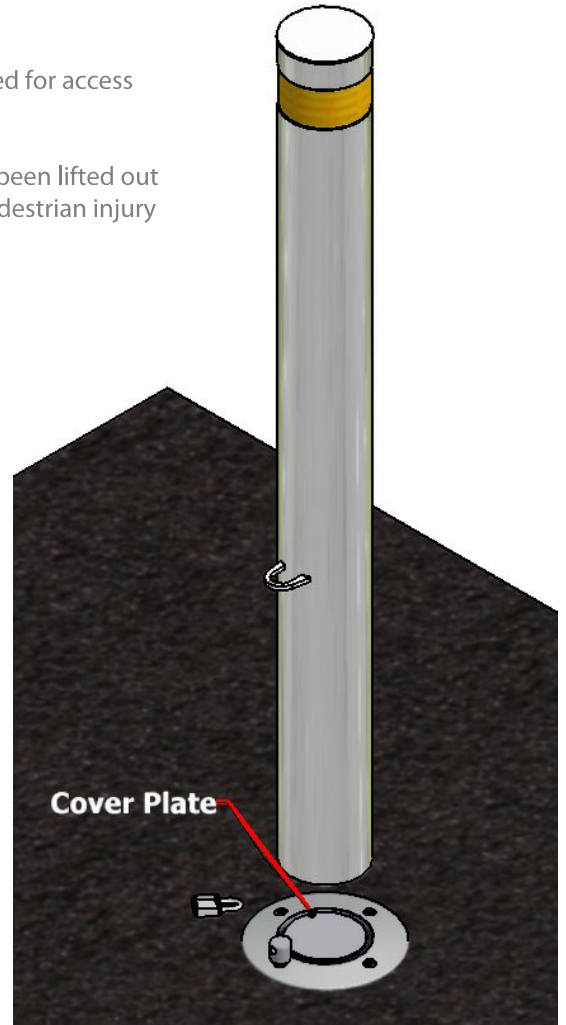
The Retractable Bollards have been developed to provide access for vehicles to security areas where access is normally restricted. Normally the bollard is extended and vehicle access is denied. When an authorised vehicle needs to pass the bollards can be unlocked and lowered into the ground. The lowered bollard is then right out of the way and is strong enough to be driven over without damage. As there is no part of the lowered bollard protruding from the ground it is safe for people to walk over the area without the possibility of tripping.



# REMOVABLE BOLLARD



- Can be lifted out and removed as required for access
- Secured with a padlock
- Lower price than retractable bollards
- Base can be driven over when inner has been lifted out
- Protective cover plate guards against pedestrian injury



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**BOLLARDS**