



ZERO CIVIL

TECHNOLOGY THAT TRANSFORMS

IMPACT RESISTANT

Made from impact absorbing advanced polymer compound, that provides a safe, soft surface and self recovers from light impact



UV RESISTANT

Made with unique blend of Supa UV our Advanced Polymer Bollards offer 4.5 times the UV protection required by Australian Standard (AS/NZ 4766:2006)



FOOTINGS CAN BE MADE REUSABLE

When secured on Impact Recovery System the concrete footings can be protected from damage for the entire lifespan of a development!



BOLLARDS CAN BE MADE REUSABLE

When secured on Impact Recovery System bollards self-recover from low-speed impact and are removable and reusable following severe impact



NON-CONDUCTIVE BOLLARDS



Department of
Transport



150 x 1800 L

1800 L Bollards are installed directly inground and can be concrete filled to ground level to retain the ability to "flex"

\$200.00



150 x 1200 H

1200 L Bollards are installed using the Impact Recovery System

\$150.00



BOLLARD COVERS

Fit over 165 mm Bollards making them non-conductive and improving resilience

1200H **\$200.00**

1500H **\$220.00**



REFLECTIVE STRIPING

Barber striping \$10.00
Supply only

Impact recovery system

Complete unit including two Impact Recovery Rings



S/MOUNT IRS

Suitable for solid concrete footpaths and foundations. Secured using five evenly spaced concrete anchors. (not included in price)

\$350



350 DEPTH IRS

We recommend 350 mm Depth footings for installation into existing solid concrete footings

\$250



650 DEPTH IRS

We recommend 650 mm Depth footings for free standing bollards and footings installed in soil

\$300



650 DEPTH XHIRS

We recommend Extra Heavy-Duty Resistance Core for improving resistance against impact by 150%

\$400

Impact recovery rings

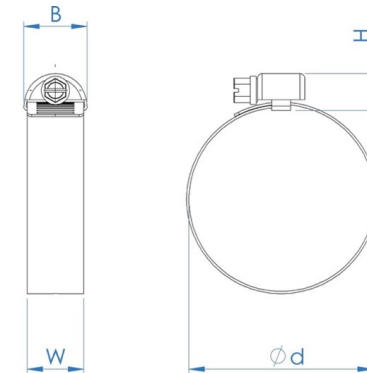
Rings withstand hundreds of impacts



150 RING **ADVANCED POLYMER**

Used to secure 150 O.D
Advanced Polymer Bollards.
Includes stainless steel clamp.

\$150 PAIR



concrete anchors

6 Required per Base Plate

With most surface mounted bollards, when the bollard is impacted by a vehicle, the base plate bends or the anchors are ripped from the concrete.

To improve impact resistance

1. The shock absorbing Impact Recovery System absorbs the majority of the impact force
2. Heavy Duty Base plate
3. A round base plate to evenly distribute impact force
4. 6 x evenly spaced countersunk galvanised anchors

Concrete Anchors are purchased separately

Anchor suitability is dependent on concrete strength, slab thickness, edge distances, anchor spacing, and installation in accordance with manufacturer requirements.

Standard fixing: Hobson XBolt Countersunk Mechanical Galvanised M12 x 150 countersunk screw anchors

Premium fixing option: Where a higher-performance anchoring system is required, we supply **Hilti HSL4-SK** M12 X 120 heavy-duty countersunk anchor



Hobson XBolt

M12 x 150 countersunk screw anchors

\$5.00

Hilti HSL4-SK

M12 X 120 heavy-duty countersunk anchor

\$25

Tools required

In-ground system only

Installation tool is used to install ground sockets from standing position, ensuring socket does not distort when compacting concrete and enabling correct alignment of ground socket.

The system includes a dedicated removal tool allowing fast, upright extraction of the resistance core from the ground socket.

A sheared-post extraction feature is also included for contingency, though failure of the heavy-duty core is extremely uncommon.



Scan for more info



INSTALLATION TOOL

60OD Heavy Duty Plumbing Pipe. (NOT 50OD)

\$50



REMOVAL TOOL

Heavy Duty Removal tool is designed to last a lifetime.

\$250

only replaceable component

Suggest keeping stock, to avoid delays.



S/MOUNT RESISTANCE CORE

Heavy Duty Galvanised Steel. 300 mm Length with securing stud to secure core to base

\$50



350 MM DEPTH RESISTANCE CORE

Heavy Duty Galvanised Steel. 350 mm Depth (650 mm Length) with self-locking Taper attached

\$60



650 MM DEPTH RESISTANCE CORE

Heavy Duty Galvanised Steel. 650 mm Depth (950 mm Length) with self-locking Taper attached

\$100



650 MM DEPTH XHD RESISTANCE CORE

Extra Heavy Duty Galvanised Steel. 650 mm Depth (950 mm Length) with self-locking Taper attached

\$150