

zero

ZERO DAMAGE, ZERO DISTURBANCE, ZERO HARM



**MAKE BOLLARDS & FOUNDATIONS
RE-USABLE IMPACT AFTER IMPACT**

BENEFITS

- Reduce damage
- Reduce costs
- Improve safety
- Reduce Waste
- Reduce disturbance
- Reduce consumption
- Improve efficiency

BOLLARDS BECOME

- Impact resistant
- Removable
- Re-usable
- Relocatable

REDUCE DAMAGE

Secured on Smart Sustainable Foundations, developments remain in pristine condition. Two Impact Recovery Rings are used to make bollards impact resistant, protecting the bollard and the surrounding foundations re-usable impact after impact, year after year.

REDUCE COSTS

Stop paying thousands to replace damaged bollards and expensive foundations!

Both the bollard and surrounding foundations can now be made re-usable impact after impact. The only thing that can be damaged is the internal core which is low cost and is quickly and efficiently replaced

IMPROVE SAFETY

Reduce damage and disturbance. No trip factors or unstable bollards. Protect vehicles from damage and substantially reduce the risk of injury to bike riders (Low impact Poly Bollards).

FAST EFFICIENT INSTALLS

Smart Ground-sockets can be installed by simply positioning upright when pouring concrete creating a perfect finish and, instead of taking weeks, you can install the bollards for an entire development in a single day

FAST EFFICIENT REPAIRS

If badly impacted, Smart Foundations remain intact, the internal post is levered out by one person from a standing position using an ergonomic removal tool. The Foundations, Rings and bollards are re-usable.

KEEPS WORKING

Unlike spring loaded bollards that can over-deflect and wear out, Smart Impact Recovery Bollards can only be deflected by a vehicle (not by hand), remain secure and continue working year after year.

ZERO WASTE

Zero waste or on-going consumption



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Our selection is not based on price alone; we also took into consideration the safety & saving aspects. The Smart Sustainable Foundations allow quick replacement of road-side items with no further effort required to the base, reducing time spent exposed to traffic and the risk of injury to employees

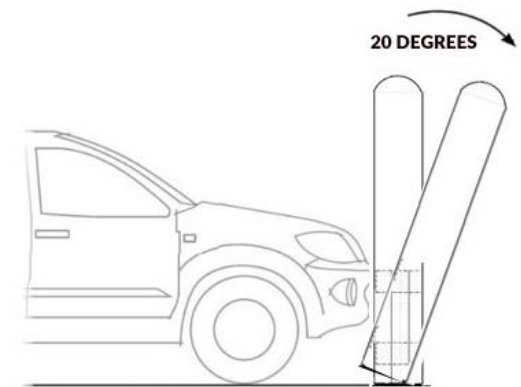
MAIN ROADS WA

HOW IT WORKS

1 Bollards remain rigid but if impacted by a vehicle (not by hand) two Impact Recovery Rings absorb the impact force allowing the bollard to deflect up to 20 degrees and slowly (safely) recover.

2 If severely impacted, the bollard and Impact Recovery Rings are re-usable. The internal core will bend and is easily replaced using ergonomic removal tools.

You can improve the resistance of the internal core to prevent core from bending, bringing a passenger vehicle to a stop (in-ground)



BOLLARD DEFLECTS 20 DEGREES

You can secure your own Steel 150/165 mm Bollards, 150 mm Poly Bollards (almost any colour) or buy from us - ask for Bollards catalogue



INCREASE RESISTANCE

You can increase the strength of the internal core to a Solid steel core which will bring a passenger vehicle to a stop much like a solid concrete filled bollard. Great for café strips and industrial locations (650 depth only)

INCREASE FLEXIBILITY

A more flexible ring is available for bike paths that deflects upon low impact (such as bike rider and slowly self- recovers

CHOOSING BOLLARD DESIGN

- Safety Yellow Galvanised Steel
- Safety Yellow Poly Bollards

Range of other colours available including tone or marble look

We also have bollard covers in poly or plasma cut stainless steel and rust finish that can be made to suit your project.



IMPACT RECOVERY SYSTEM™ INCLUDES

- 1 x Smart Sustainable Foundation
- 2 x Impact Recovery Rings
- 1 x Internal Core (3.6 or 60 mm)

Tools Required

RINGS	Details	Weight
IRR-150	Ring to fit 150 Poly Bollard	1 kg
IRR-165	Ring to fit 165 mm steel Bollard	1 kg
IRR-150-SF	Super-flex Ring 150 mm Poly Bollard	1 kg

CORE	Details	Weight
ICORE-350	350 Depth Steel Core 3.6 mm	2 kg
ICORE-650	650 Depth Steel Core 3.6 mm	3 kg
ICORE-350	650 Depth Solid Steel Core 60 mm	20 kg

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