

IRS SPECIFICATIONS



Simply select your bollard design from our Bollard Catalogue, or secure your own bollard

- Durable Poly Bollards that won't dent or scratch (great for car parks) in any colour
- Strong Aussie made Steel Bollards Safety Yellow (other colours min 6 bollards)
- Stainless Steel Bollards, if you like quality
- Designer Laser cut Bollards designed for you

BOLLARDS ARE RIGID

Unlike most flexible bollards, Smart Bollards remain rigid, (cannot deflect by hand) only deflecting upon impact from vehicle and slowly self-recovering. Strong Internal core prevents deflection beyond 20 degrees but will bend if impacted at high speed or by a utility vehicle- and is easily replaced. We have Super-flex Rings (that deflect upon impact from trolleys or bike riders). Refer to Instructions for use.

DEPTH FOOTING

It is the Impact force acting upon the bollard (size vehicle/ speed) that determines what size footing you require. Because the impact force that usually acts on the footing is now acting on the internal core, you do not require a massive concrete footing as you would with a rigid bollard

LOW IMPACT

For Low Impact environments (trolleys) you can choose to Surface Mount or install 350 mm Depth socket (bike paths)

CARPARK BOLLARDS

Anywhere bollards are subject to bumping from vehicles. You can choose surface mount or in-ground 350 mm

HIGH IMPACT

For industrial zones or anywhere bollards are subject to possible impact from heavy vehicles. we suggest a 650 mm footing.

APPROVED NATIONALLY / DEPT OH&S WORKSAFE AWARD

“

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 roadside items with no further effort required to the base, (providing a significant cost benefit by re-using the existing footing) and reduces risk of injury to employees.”

MAIN ROADS WA

UNIT INCLUDES

1. Impact Recovery Rings
2. Heavy Duty Internal Core
3. Bollard Casing

Refer to Diagram

OPTIONS

1. Surface Mount
2. In-ground 350 mm
3. In-ground 650 mm
4. Super-flex rings available

Base Plate is 10 mm thick and 200 mm diameter with solid upright spigot. Core is a CH Steel 3.6 wall thickness, secured to base plate using an embedded grub screw. In-ground Smart Sustainable Foundations are made from impact absorbing self-healing plastic and use a self-locking taper to lock the internal core into the socket (only removable using tools provided). Refer to specs for SSF-60

INSTALLATION

Refer to Specs for Sustainable Foundations which can be installed when pouring new concrete footpaths or footings or retro-fitted by core drilling or removing pavers. Surface Mount Base Plate is bolted down using 5 evenly spaced recessed concrete anchors (supplied) to evenly distribute impact force

TOOLS

Surface mount require an Allen key and screwdriver
Removal tool also required for In-ground version



CODE	DETAILS	WEIGHT
ICORE-SM	3.6 CHS Post x 300 mm	1 kg
ICORE-350	3.6 CHS Post x 650 mm	2 kg
ICORE-650	3.6 CHS Post x 950 mm	3 kg
IRR-150	Ring to fit 150 Poly Bollard	1 kg
IRR-165	Ring to fit 165 mm steel Bollard	1 kg
IRR-168	Ring to fit 168 mm Stainless steel Bollard	1.25 kg
IRR-150-SF	Super-flex Ring 150 mm Poly Bollard	1 kg

