

CLEANER, SAFER

MORE SUSTAINABLE CITIES

SMART SUSTAINABLE FOUNDATIONS

for virtually maintenance-free developments

Road-side items are vulnerable to damage, now you can secure posts, grab-rails, bollards, barriers and street furniture on Smart Sustainable Foundations, creating virtually maintenance-free developments

A revolutionary self-healing plastic forms a protective shield between the item and the concrete making the foundations sustainable and re-usable impact after impact, year after year.

Perfect Finish

Sockets can be installed when pouring concrete creating a perfect finish that remains in pristine condition for decades, or retro-fitted to heal existing developments one foundation at a time.

Keeps working year after year

When impacted the CHS post bends at ground level and the foundations remain in good working condition for the entire lifespan of a development



EFFICIENT

MORE SUSTAINABLE CITIES

FAST AND EFFICIENT

costing a fraction to install and maintain

The infrastructure for an entire development can be installed in a single day. A self-locking taper is attached to the leg of the item and the item is simply dropped into the ground socket automatically locking using friction (no pins or components that can rust or break) so items remain safe, secure and perfectly aligned year after year

Response to infrastructure failures is fast and efficient.

Items are easily removable from a standing position, facing on-coming traffic, using ergonomically designed tools. Replacements take seconds and the only cost is labour

Improved workplace safety

Awarded DOH&S Worksafe Award for removing the need for digging and heavy labour (risk of hitting underground services) and reducing time in traffic

No delays or cost overruns for decades

Works every time, no risk of delays or cost overruns. Without disturbance to public or underground services



WORKSAFE
Western Australia



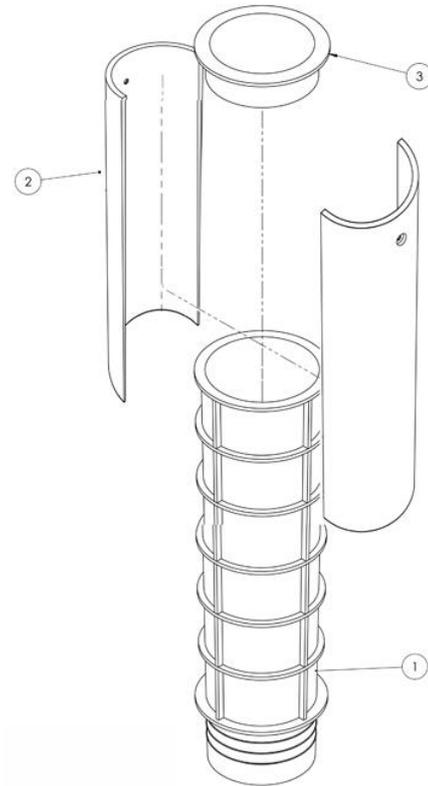
WHAT MAKES THEM SO SMART?

You can secure any 50NB/ 60 OD post, grab-rail, bollard or item of street furniture creating a protective shield between the concrete foundations and the item of infrastructure and will continue working impact after impact, year after year

1. Ground Socket
2. Self-locking Taper
3. Cap

The Smart ground socket is made using a Smart plastic, (made from 100% Recycled waste), selected for its impact resistance and self-healing capabilities, making it extremely durable and well suited to this application. One-off purchase, no replacement parts required

The Smart Sustainable Foundations use a simple engineering principle to ensure they outlast and outperform any other securing method. Items are secured in the ground socket using a self-locking Taper (no breakable components) that enables items to self-lock, remaining safe, perfectly aligned and secure year after year. Items can only be removed using the ergonomically designed removal tools.



Selecting depth of footing

You can secure items from as shallow as 150 mm for solid concrete traffic islands and footpaths, 350 mm for standard installations and 650 mm for large items and high impact bollards. MRWA Specification drawings available upon request.

Diameter	Depth	Boxed	Dimensions (mm)	Weight
60 mm	150 mm	50 units	[400 x 400 x 400]	16 kg
60 mm	350 mm	25 units	[400 x 400 x 400]	12 kg
60 mm	650 mm	25 units	2 X [400 x 400 x 400]	20 kg

Quantity Discounts Available. Tools required

APPROVED NATIONALLY

“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 posts 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 by reducing time spent on traffic islands exposed to traffic.” MRWA



Transport
Roads & Maritime
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Queensland Government
Department of Main Roads

