

# SSF-60 SPECIFICATIONS



Smart Sustainable Foundations will last the entire lifespan of a development if installed correctly. The socket creates a protective shield in the concrete footing and must be protected on all sides by impact resistant concrete. Good quality concrete can last 100 years but rapid-set may not last one impact- we recommend using 30MPa to ensure the footing withstands impact.

## TRAFFIC INFRASTRUCTURE

You can secure signage (MRWA has approved the use of CHS posts for signage - see over) , grab-rails and removable traffic bollards.

You can secure small traffic signposts from 150 mm depth in solid concrete traffic islands; Traffic bollards and grabrails from 350 mm depth and large double posted and free-standing signposts from 650mm depth

CMRWA Traffic Infrastructure specs available

## CARPARK AND LOCAL GOVT INFRASTRUCTURE

You can install posts, bollards, barriers, bins, street furniture and use with Impact Recovery System to secure large bollards making them re-usable impact after impact.

## PRIVATE USE

You can install posts, tables, seating, clotheslines, bollards to protect vehicles, trailers and boats and items can be made removable using simple foot tool or can be made secure yet easily removable by simply twisting and lifting

## LOCKING CAPACITY

When installed according to instructions items can only be removed using the tool provided (requiring 250kg of upward force). By moving Taper up the post you can reduce the locking capacity so items can be removed by hand

APPROVED NATIONALLY / DEPT OH&S WORKSAFE AWARD

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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 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

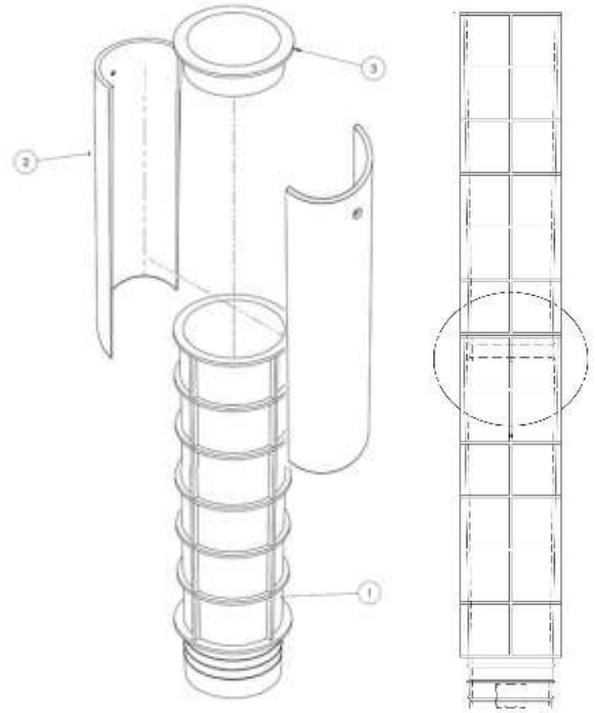
1. Ground socket 350 mm
2. Self-locking Taper
3. Cap

Self-drilling galvanised screws supplied to attach taper to item and when item is dropped into the ground socket it locks in using friction and can only be removed using the tools provided.

## DEPTH FOOTING

It is the concrete footing that determines what size item you can secure from 150- 650 mm Depth. Refer to local guidelines allowing for local soil conditions, wind , size or weight of item, possible impact force etc

To extend depth you truncate one socket and insert into another. To reduce depth you truncate base, flip upside down and reinsert in base



## INSTALLATION

Sockets can be installed by simply positioning upright when pouring concrete footings or retro-fitted by core drilling or removing a few pavers. Allowing for a minimum of 150 mm solid concrete on all sides of the socket to protect surrounding paving

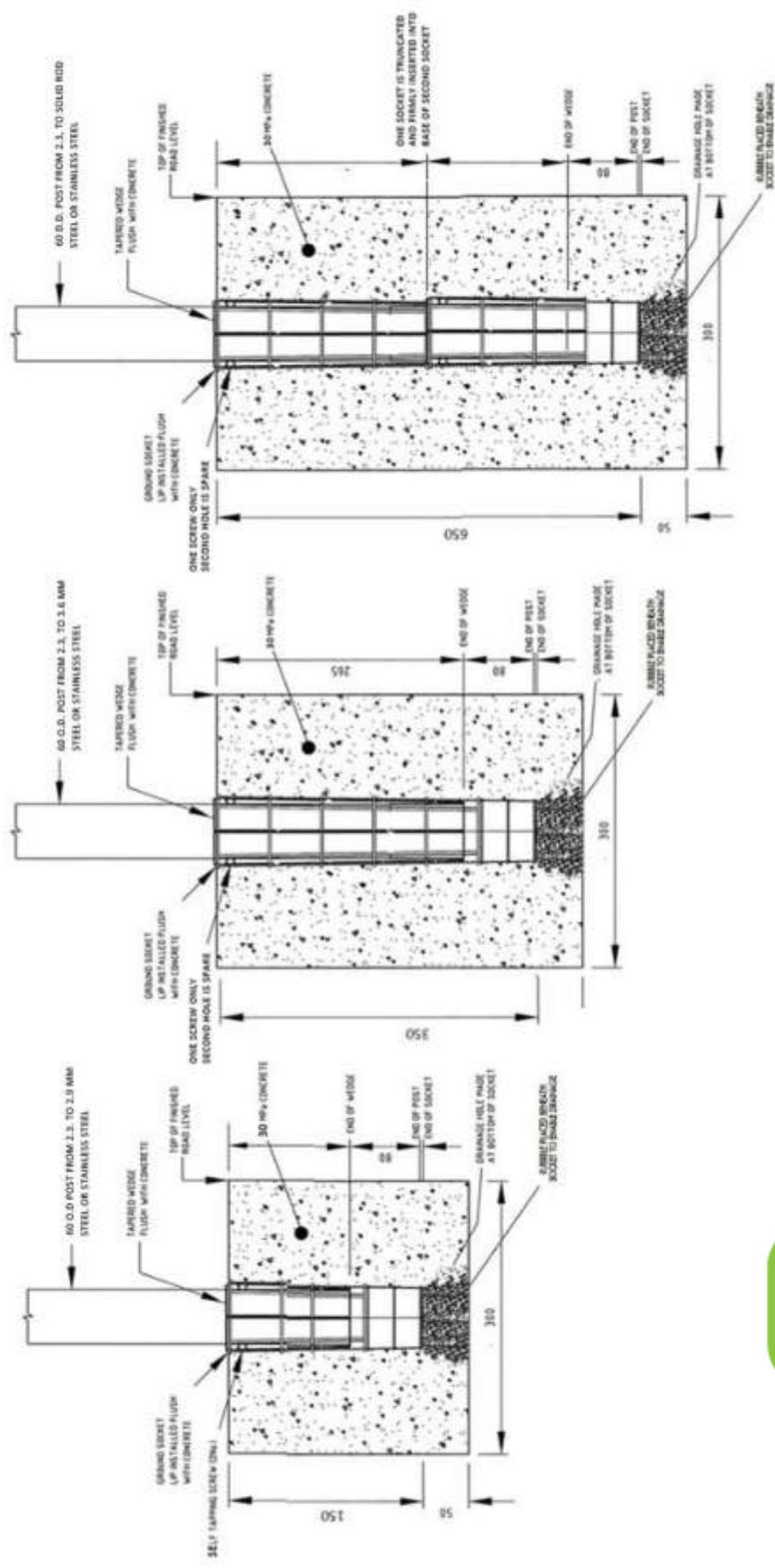
## TOOLS

Pack includes Removal and Installation Tool

1. Removal Tool  
(includes sheared post attachment)
2. Installation tool for use when windy, installing heavy items or items not ready to install
3. Foot tool available for modified items



Qty	Dimensions	Weight
25 Complete units	[400 x 400 x 400 mm]	12 kg
25 Ground sockets	[400 x 400 x 400 mm]	8 kg
100 Half Tapers	[380 x 650 x 350 mm]	15kg
Pack of Tools	[1300 x 200 x 200]	25 kg



**NOTES**

- SMART SUSTAINABLE FOUNDATIONS, IF INSTALLED CORRECTLY WILL LAST AS LONG AS THE CONCRETE FOOTING
1. SOCKETS MUST BE FLUSH WITH GROUND LEVEL - NO TRIP FACTORS
  2. WHEN ITEMS ARE INSTALLED TAPER MUST NOT PROTRUDE FROM SOCKET
  3. DO NOT USE HARD SET CONCRETE IF IS NOT IMPACT RESISTANT
  4. MUST USE 30 MPa + CONCRETE FOR IT TO BE IMPACT RESISTANT
  5. DO NOT USE CONCRETE SUBSTITUTES WITH A FLEXIBLE COMPONENT AS IT WILL DISTORT THE SOCKET WHEN ITEMS ARE IMPACTED



**SMART SUSTAINABLE FOUNDATIONS**

AREA	SIGN SIZE	
	A & B	C & D
METROPOLITAN PERTH AND BUILT-UP AREAS	76x38x2.0 RHS or 60.3 CHS 2.3	75x50x2.5 RHS or 60.3 CHS 2.9
	75x50x2.5 RHS or 60.3 CHS 2.9	75x50x2.5 RHS or 60.3 CHS 2.9
RURAL AREAS SUBJECT TO TROPICAL CYCLONES (REGIONS C&D - DWG. 94.30-506)	76x38x2.0 RHS or 60.3 CHS 2.3	75x50x2.5 RHS or 60.3 CHS 2.9
RURAL AREAS NOT SUBJECT TO TROPICAL CYCLONES (REGIONS A&B - DWG. 94.30-506)	76x38x2.0 RHS or 60.3 CHS 2.3	75x50x2.5 RHS or 60.3 CHS 2.9