Intelligent Foundation Solutions

RETENTION SYSTEM sockets are intelligent foundation solutions for the installation and maintenance of posts.
Essential to sustainable infrastructure design, they add value through improved asset management and performance, reduced operational costs and deliver environmental, health and safety benefits.

world leading design...

- Designed and tested to international standards
- Approved and used throughout the world
- High-strength, reusable design survives vehicle impact
- Solution for knock-down and access-control locations
- Eliminates repeat excavation, disruption and expense
- Shallow foundation options for congested sites
- Easy to handle, adjust and install on site
- Facilitates electrical cabling at ground level
- Simplifies project, contractor & site management
- Assists maintenance and seasonal schedules
- Supports health and safety work practices
- Promotes environmental policies and targets

Sustainable Infrastructure Design

RS48

RS48 socket for the installation of Ø48mm (1.9in) posts including signs, bins, bicycle stands, railings...

RETENTION SYSTEM
sockets for post installation

www.iplgroup.com

» Facilitates Passive Safety design to EN12767
» Foundation size and specification to EN40 & BD94/07
» Product tested and load rated to EN124 B125

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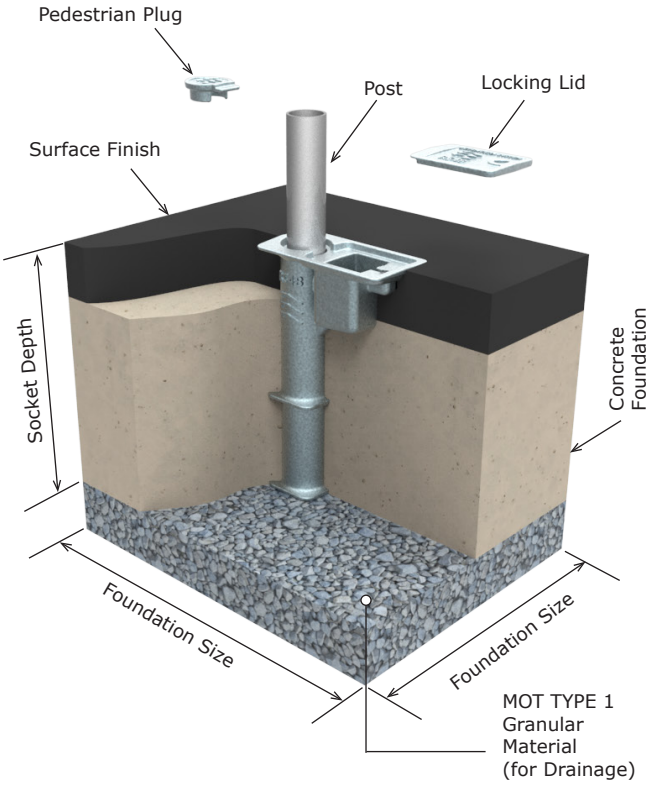
nqa ISO 9001 nqa ISO 14001 nqa ISO 45001

ipl group

RS socket
installation & specification...

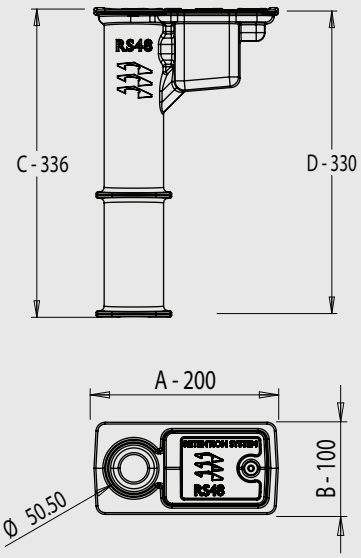
The **RS socket** should be set into concrete generally in accordance with International Standards or good Codes of Practice for the installation of posts.

1. Prepare hole at least 75mm deeper than the overall height of the **RS socket**.
2. Compact at least 75mm of MOT type 1 granular material in base of hole.
3. Position **RS socket** in centre of hole.
4. Rotate the **RS socket** head into the required orientation.
5. Remove locking lid and pedestrian plate.
6. Install a levelling post (stump pole) in the **RS socket**, fasten the locking set-screw and replace the locking chamber lid.
7. Surround with the required amount of concrete (ST4 mix or stronger). Use stump pole to achieve a vertical level.
8. Once vertical level is achieved, compact concrete.
9. Once concrete has been compacted and has begun to cure, carefully remove stump pole and replace the pedestrian cover.
10. Replace the locking lid and secure in position. Finish footway with required surface when concrete has cured.



See **RS socket** installation guide for foundation guidelines

For detailed foundation sizing on specific site conditions contact your supplier.



RS48 socket for the installation of Ø48mm (1.9in) posts

Ref No:	Base Type	A (mm)	B (mm)	C* (mm)	D** (mm)	Weight (kg)
RS48x300	standard [flat]	200	100	336	330	6.5

Options: **RS stump pole**

RS48

C* **RS socket foundation depth**
D** **post insertion depth**

Technical drawings for all **RS sockets** available from **IPL group**.

Drawings not to scale, illustrations, technical data, dimensions and weights are subject to alteration without notice.

Material Specification:

Head - Body:	Ductile Iron (EN1563)
Pedestrian Plug:	Ductile Iron (EN1563)
Locking Lid:	Ductile Iron (EN1563)
Setscrew:	M12 A2 Stainless Steel
Assembly Screws:	M8 A2 Stainless Steel
Finish:	Galvanised

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