


THE INTELLIGENT FOUNDATION FOR POST INSTALLATION

RETENTION SYSTEM

sockets for post installation

IPL group's patented **RETENTION SYSTEM** is a unique method for installing posts in high-strength RS sockets that builds-on or replaces traditional foundation methods for fast, easy installation and removal of posts.

The design and build of the RS socket range provides many immediate and long-term features and benefits with time, labour and cost savings...




NEW MODEL
CAST STEEL

RSI68 socket
RS219df socket

suitable for the installation of all Ø219mm posts including traffic signal posts, lights, signposts...

✓ typical applications



features & benefits...

RS sockets are designed to withstand vehicle impact and to protect the foundation, which means...

- Quick and easy re-installation of posts on knock-down sites
- No excavation required to remove and re-install posts
- Less street hazards, disruption or lane closures
- Less heavy equipment, machinery and ground works
- Cost savings because no fill required and no removal of spoil

The RETENTION SYSTEM is easy to install...

- Standard hole size and concrete foundation methods
- Post can be installed anytime once foundation is set

RS socket modular construction and cast-steel high-strength castings provide...

- Greater site adaptability and variable post depth
- Ideal solutions for bridge decks, congested and shallow sites
- Cost effective alternative to specially fabricated posts
- Superior foundation strength, reliability and longevity

Safe & secure post installation and removal...

- Posts can be installed, removed and re-instated in RS sockets quickly and easily with key and spanner
- No spare parts or special tools required
- Dual-locking system means reliable security and only authorised post installation and removal by keyholders

RS socket specification protects the expenditure, planning and design in urban environments to ensure...

- Systematic management of knock-down sites
- Essential urban services are safeguarded
- No unnecessary excavation, disruption or downtime
- Clean, high-quality finish for all post installations
- Easy maintenance schedule and renewal of street furniture

Investment in the RETENTION SYSTEM pays for itself...

- Based on calculated costs of a single post replacement

RS219 socket advantages...

RS sockets separate foundation and civil groundwork from post or traffic-signal installation, which means...

- Foundation and street can be finished prior to post, sign, or traffic signal being installed
- Simplifies electrical connection and commissioning
- Additional subcontract work is avoided
- Total installation costs and time are reduced

RS socket rotational 90° cable entry bend allows...

- Easy pull-through of electrical cables
 - 360° rotation of cable entry bend* independent of cable trench, road, or paving layout
- * (limited - 90° rotation both sides of centre - on some shallow RS socket sizes)

RS socket health & safety installation features facilitate...

- Electrical cabling and connections at ground level
- Passive safety post compatibility for vehicle and driver safety
- Safe post installation and lifting policies plus supportive workbench and weight-carrying options





RS219 socket

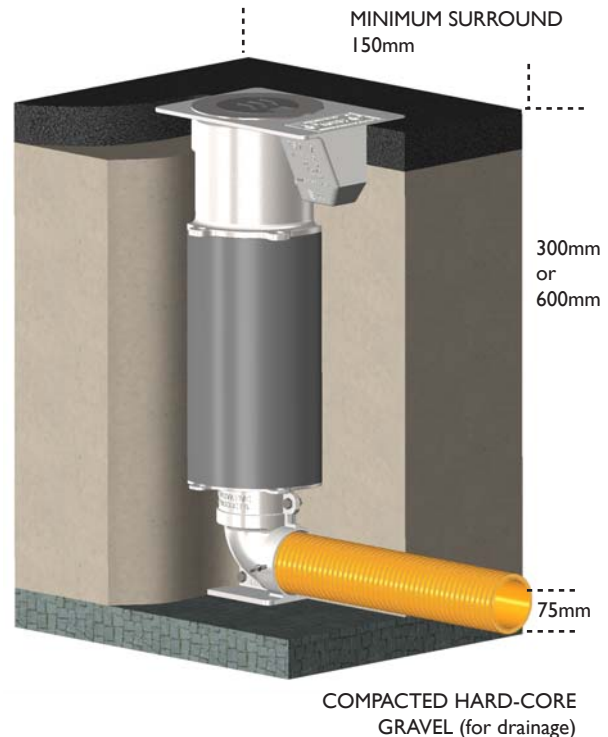
NEW MODEL
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Recommended Installation INSTRUCTIONS

The RS76 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. If depth for socket cannot be achieved, unit can be shortened on site. Please contact your supplier for technical support.
2. Compact at least 75mm of MOT type I granular material in base of hole.
3. Position RS Socket in centre of hole. For cabled installations connect ducting from remote chamber to swivel bend on socket. Leave draw cord in base of Socket bend.
4. Rotate the Socket head into the required orientation.
5. Remove locking lid, loosen the two M16 locking set-screws and remove the pedestrian plug.
6. Install a levelling post (stump pole) in the RS Socket, fasten the locking set-screws 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 lock the pedestrian plug in place.
10. Replace the locking chamber lid and secure in position. Finish footway with required surface when concrete has cured.

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



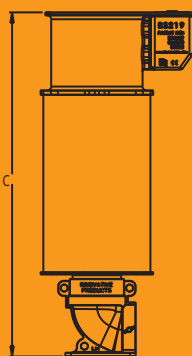
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RS219df – Dimensions

Ref No:	Post Diameter (mm)	A (mm)	B (mm)	C (mm)	Weight (kilos)
RS219dfx600	Ø219	387	270	600	40.2

RS219df – Construction

Body, Lid, Plug:	Cast Steel
Set Screws:	M16, Stainless Steel, DIN 933, RVS, A2
Extension Tube:	Galvanised Steel
(Duckfoot Bend)	Ductile-Iron

RS219df – Options

Variable Depths | Standard Base | Tee Bend Base | Stump Pole

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

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www.retention-system.com

