

RS48	RS48 socket for the installation of Ø48mm (1.9in) posts including signs, bins, bicycle stands, railings...	
RS50x50	RS50x50 socket for the installation of 50x50mm (2x2in) posts including signs, bins, reboundable bollards, railings...	
RS50x60	RS50x60 socket for the installation of 2 No. 50x30mm (2x1.8in) posts for pedestrian guard railings...	
RSc76	RSc76 socket for the installation of Ø76mm (3in) posts including signs, bollards, barriers, bicycle stands...	
RS76x76	RS76x76 socket for the installation of 76x76mm (3x3in) posts including signs, bollards, barriers, bicycle stands...	
RS76	RS76 socket for the installation of Ø76mm (3in) posts including signs, bollards, barriers, benches, bins...	
RS89	RS89 socket for the installation of Ø89mm (3.5in) posts including signs, bollards, lighting columns...	
RS115	RS115 socket for the installation of Ø114mm (4.5in) posts including traffic signals, bollards, signs, lighting columns...	
RS140	RS140 socket for the installation of Ø139mm (5.5in) posts including signs, traffic signals, lighting columns...	
RS168	RS168 socket for the installation of Ø168mm (6.6in) posts including signs, traffic signals, lighting columns...	
RSe193	RSe193 socket for the installation of Ø193mm (7.6in) posts including traffic signals, signs, lighting columns...	
RSe200	RSe200 socket for the installation of Ø200mm (8in) posts including traffic signals, signs, lighting columns...	
RS219	RS219 socket for the installation of Ø219mm (8.6in) posts including traffic signals, flag poles, signs, lighting columns...	
RSe226	RSe226 socket for the installation of Ø226mm (9in) posts including CCTV posts, signs, lighting columns...	
RSe245	RSe245 socket for the installation of Ø245mm (9.8in) posts including CCTV posts, signs, lighting columns...	
RSe250	RSe250 socket for the installation of Ø250mm (10in) posts including CCTV posts, signs, lighting columns...	
RSe273	RSe273 socket for the installation of Ø273mm (10.7in) posts including CCTV posts, signs, lighting columns...	

Intelligent Foundation Solutions

The features and benefits of the RETENTION SYSTEM for installing and managing posts, street furniture and roadside objects, apply not only to the infrastructure but to everyone involved in the design, build, maintenance and daily use of it. High-strength, reusable RS socket foundations provide cost-effective environmental solutions for passive safety engineering, infrastructure maintenance requirements and replacement of posts in repeat knock-down areas. By eliminating repeat excavation, congestion on the road network is significantly reduced and roadside work and driver safety improved. For those involved in specifying and managing urban environments, the capital investment and huge reliance on all aspects of the urban environment can be protected. Street furniture can be cleanly fitted and more easily maintained. Infrastructural posts and traffic-control systems can be upgraded or replaced quickly. And all post installations in RS sockets deliver significant cost savings and safeguard against disruption, downtime and excavation.

Sustainable Infrastructure Design



world leading design...

The RETENTION SYSTEM sets the standard for post installation. It has been designed for a variety of posts, with a range of dedicated RS sockets to match specific post sizes, types and installation requirements. Each RS socket within the range provides not only for the post size but for the application requirements. For example, signposts, solar-powered posts and other street furniture items without electrical cable requirements can be installed in RS sockets with standard bases, to suit post height, foundation depth and site conditions. Alternatively, for traffic signals, streetlights or signposts that require electrical cables, a choice of ducting access options is available, including: 360° rotational duckfoot and tee bends for cables fed into the base of the post; and shallow foundation bases for restricted installation requirements.



RS sockets are available in common industry sizes and post installation depths. Base options include: standard [flat] / duck-foot & tee bends for cable access / shallow foundation. RS engineered sockets are made to size, specification and installation requirements.

IPL group was established in 1975 and is both a manufacturer and a supplier of an extensive range of infrastructural products.

IPL group has a reputation for innovative products, solutions and excellent customer support. As a creative and pioneering company, we understand that the image and quality of the built environment are essential to the well-being and continued success of every development. We have developed a portfolio of unique trademarked products that meet international specifications and standards. The RETENTION SYSTEM sockets for post installation have been designed to meet the rigorous demands and specifications of contemporary urban environments. Intelligent post foundation solutions have been considered alongside maintenance and safety concerns for pedestrian, driver and worker safety in the design and build of all items within the RETENTION SYSTEM range.

As a company we are committed to the principles of sustainable development throughout all IPL group operations and wish to conduct our business with honesty and integrity at all times. The company maintains and operates an Integrated Management System that meets the requirements of ISO 9001, ISO 14501 and ISO 14001. This integrated Quality, Safety and Environmental Management System is internationally accredited. Through the implementation of these policies our personnel, customers and partners have the assurance that IPL group meets and exceeds its legal compliance.

Our rigorous standards and best practice approach ensures that we achieve our aims of balancing company and customer needs with local community and global concerns. We welcome the opportunity to discuss your project requirements and our dedicated team of experienced personnel are here to ensure all customers receive an informed and courteous service.

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rs sockets for post installation



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.

RETENTION SYSTEM

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- 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

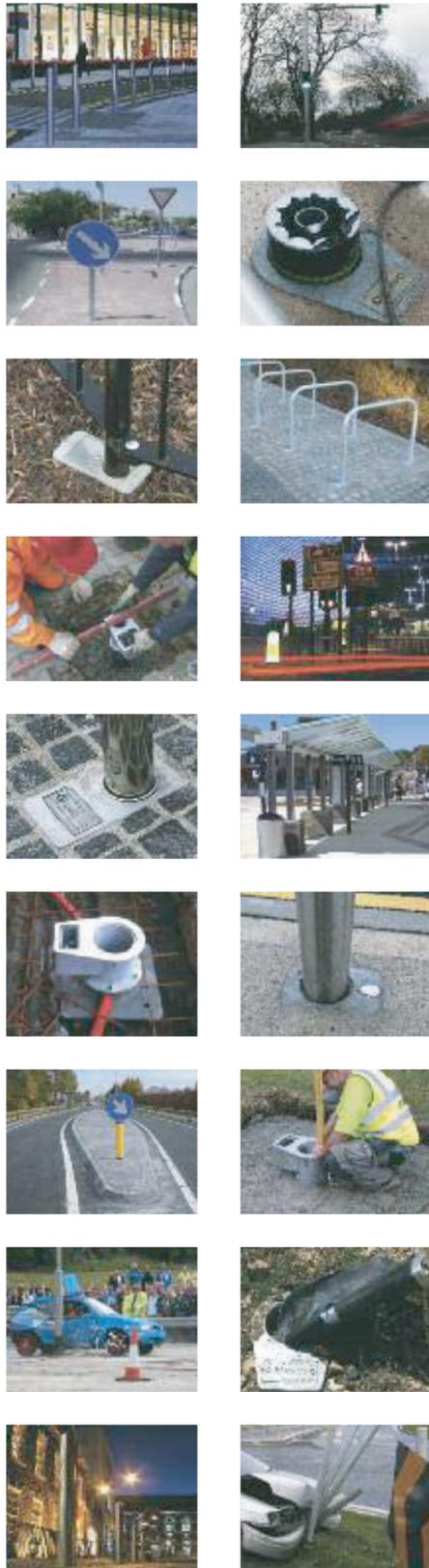
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RETENTION SYSTEM

ESSENTIAL MAINTENANCE STRATEGY

- Easy maintenance schedule and renewal of street furniture
- Systematic management of knock-down sites
- Safeguards essential urban services

SURVIVES VEHICLE IMPACT

- High-strength, reusable design protects the foundation
- Quick and easy re-installation of posts on knock-down sites
- Passive safety post compatibility for vehicle and driver safety
- Impact proof socket

DEPENDABLE FOUNDATION STRENGTH

- No excavation required to remove and re-install posts
- Superior foundation strength, reliability and longevity
- Clean, high-quality finish for all post installations

SUPPORTS ENVIRONMENTAL POLICY

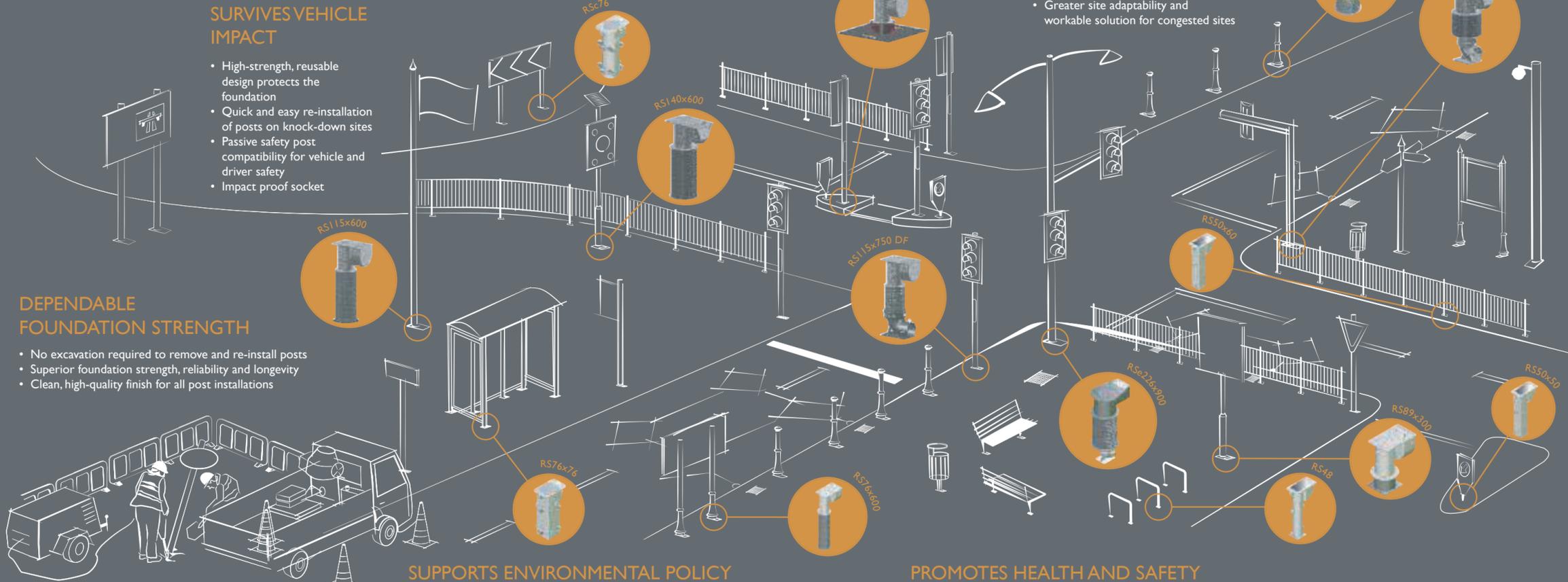
- RS sockets can be re-used again and again
- No digging and no disposal of concrete during post replacement
- Damaged posts can be easily removed and recycled

EASY TO INSTALL

- RS sockets are easy to handle, adjust and install on site
- Facilitates electrical cabling and connections at ground level
- Greater site adaptability and workable solution for congested sites

PROMOTES HEALTH AND SAFETY

- Minimizes street hazards, disruption or lane closures
- Smaller crews, less time on site and less traffic management required
- Designed with no dangerous projections for pedestrian safety



Intelligent Foundation Solutions

Sustainable Infrastructure Design

RS sockets for standard infrastructural post sizes and installations

RS socket type	RS48	RS50x50	RS50x60	RS76	RS76x76	RS76	RS89	RS115	RS140	RS168	RSe193	RSe200	RS219	RSe226	RSe245	RSe250	RSe273
Post size (outside diameter)	1.9in	2x2in	2x1.8in (x2)	3in	3in	3in	3.5in	4.5in	5.5in	6.6in	7.6in	8in	8.6in	9in	9.8in	10in	10.75in
(-) RS adapters used with smaller post sizes.	48.3mm	50x50mm	50x30mm (x2)	76.1mm	76.1x76.1mm	76.1mm	88.9mm	114.3mm	139.7mm	168.3mm	193.7mm	200mm	219.1mm	226mm	245mm	250mm	273mm
						60.3~		101.6~									
						48.3~		88.9~									
Installation depth (mm)	336*	336*	336*	300*	300*	300	300	300	300	300	300	300	300	300	300	300	300
RS sockets are available to standard industry foundation depths and specifications.						450	450	450	450	450	450	450	450	450	450	450	450
						600	600	600	600	600	600	600	600	600	600	600	600
						750	750	750	750	750	750	750	750	750	750	750	750
						900	900	900	900	900	900	900	900	900	900	900	900
All RS sockets can be made to specified installation depths and cut on site for restricted depth conditions (unless shown*).																	
All RS engineered sockets are made to customer specification, post size, depth and installation requirements.									1000	1140	1000	1000	1220	1000	1000	1000	1000
Base Option	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+

(-) fixed standard base. (+) variable base options include: standard [flat] / duckfoot bend / tee bend / shallow foundation

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- » 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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