



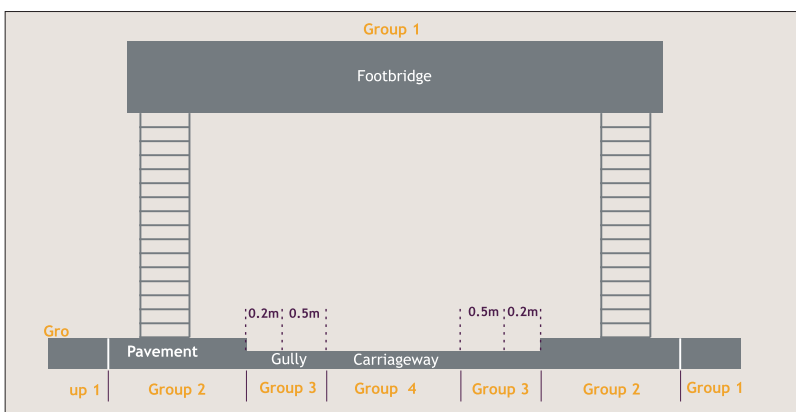
## specification...

IPL group's patented RETENTION SYSTEM is a unique method for installing posts in a range of RS sockets that builds on or replaces traditional foundation methods for fast, easy installation and removal of posts. RS sockets are available in a range of sizes and depths to suit an array of posts, including most signposts, bollards, traffic signal posts and other street furniture. All RETENTION SYSTEM sockets are designed and tested to appropriate international standards, including EN124 specification on all RS76 and larger size sockets.

Established in 1986 and revised in 1994, EN124 standard outlines definitions, classes, materials, design and testing requirements, along with necessary marking and quality control. It identifies six classes, with the appropriate class to be used depending on the place of installation. To facilitate specification, a general guide is included here and a series of detailed data sheets on each RS socket is available, giving information on product features, class and application.

Of critical importance: EN124 standard specifies mechanical tests, classification and minimum product performance requirements. Each class denotes the test load expressed in kN. The range of installation places has been divided into six groups.

This drawing represents a typical highway cross-section. A guide to which class should be used is shown in parentheses for each group:



Further advice on product selection and specific installation requirements available on request. Additional information, data sheets and CAD drawings can be found on the website or from your RS socket supplier.

The patented RETENTION SYSTEM™ offers the reassurance of design and load specification to EN124 standard for RS sockets installed in applicable roadside areas. Adoption of this standard with relevant load-rating classification gives customers and specifiers the assurance that RS sockets are rigorously tested for materials, design, construction, function, dimensions and markings.

## load-rate classification...

### Group 1

(min. class A15)

Areas which can only be used by pedestrians and pedal cyclists.



### Group 2

(min. class B125)

Footways, pedestrian areas and comparable areas, car parks or car-parking decks.



### Group 3

(min. class C250)

For gully tops installed in the area of kerbside channels of roads which, when measured from the kerb edge, extend a maximum of 0.5m into the carriageway and a maximum of 0.2m into the footway.



### Group 4

(min. class D400)

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas for all types of road vehicles.



### Group 5

(min. class E600)

Areas imposing high wheel loads, e.g. docks, aircraft pavements.



### Group 6

(min. class F900)

Areas imposing particularly high wheel loads, e.g. aircraft pavements.

