

Roller Barrier – Fixing Guide & Instructions

Roller Barrier consists of a series of independently rotating cups mounted on a central shaft (extruded aluminium tube) and supported at 2 metre intervals with suitable brackets. Shaft lengths can be quickly and easily joined together using a joining spigot, to form longer runs (or cut to shorter lengths if required).

The range of standard brackets available from stock, will allow the system to be easily installed on most types of walls, fences, gates, roofs or building fascia's, however where required, bespoke brackets can be manufactured for those odd environments where the standard brackets would not be suitable.

Unlike aggressive spiked anti climb systems, Roller Barrier poses no risk of life threatening injuries such as impalement, making it suitable for installation in virtually any environment, however, display of appropriate warning signs is strongly recommended where the system is installed at any non-domestic location.

Positioning Roller Barrier;

Roller Barrier works best when positioned so that would be climbers have to stretch up to reach it, and is generally most effective when it's installed so that it is cranked forward (toward the approach side of the wall, fence or building).

The Universal bracket is one of the most popular and versatile brackets.



Universal Bracket used for a Face Fix installation



Universal Bracket used for a Top Fix installation

The Alley Bracket;

The Alley Bracket is designed to bolt to the face of a building or wall, etc. and provides a secure termination of one end of a Roller Barrier run.

When installing the barrier above a gate in an alleyway, a bracket will be bolted to each of the facing walls and the Roller Barrier shaft populated with cups simply drops into it.

Once the shaft is located in the bracket, the shaft retaining bolt is inserted and the shear nut applied to prevent unauthorised removal.



Alley Bracket showing the shaft in place and the shaft retaining bolt with shear nut.

For maximum security, the end of the shaft can be cross drilled and the retaining bolt passed through it to anchor it in place.



...an example of the Alley Bracket in use

The Roller Barrier Cups;

Moulded from recycled polycarbonate, the unbreakable cups are flame retardant and UV stabilised for a long operational life.

The cups thread onto the central shaft (10 cups per linear metre), like beads on to a string. Each cup is 100mm long, but where required to fill a non-standard size gap, cups can be cut to a shorter length using a hacksaw.



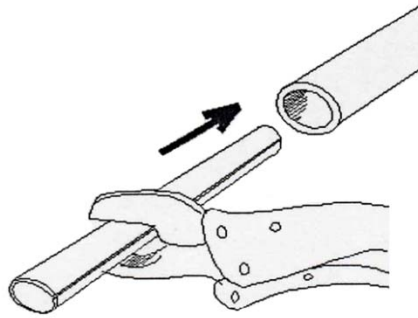
Each polycarbonate cup is 100mm long but can if required be cut to a shorter length using a standard hacksaw



At the end of the installation, the last cup should be installed to show a solid outward facing face.

Joining two shafts together;

- Using mole grips or similar, compress one end of the spigot and push into the end of the shaft.
- Compress the other end of the spigot and push into the end of the 2nd shaft.
- Then force the shafts together until the ends meet

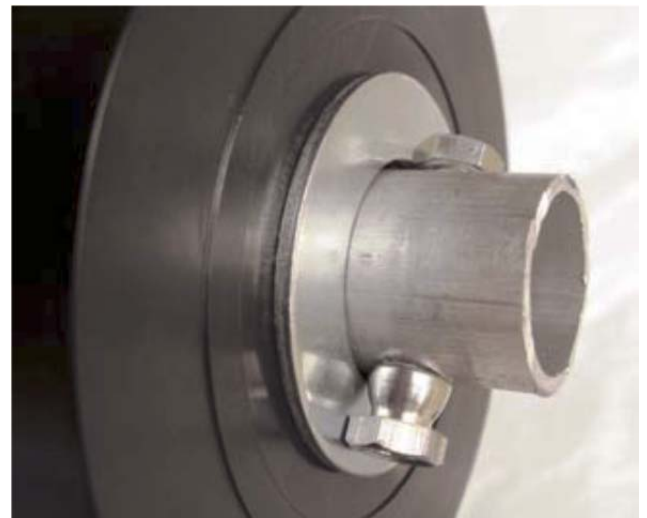


Terminating the barrier at the end of each run;

Cut the spindle leaving at least 35 mm of spindle tube protruding beyond the last roller cup.

Cross drill the end of the spindle tube (approx 20mm from the end).

Ensure the solid face of the cup is facing outwards then slip the retaining washer over the tube, insert the bolt and tighten until the drive face of the shear nut shears off.



Corner Installation;

Whether you are installing a single or double row, Roller Barrier should always be installed so that at the corner, one row overlaps the other, leaving no unprotected area



Inset corner installation



outward facing corner installation

Suggested toolkit

Drill with HSS bits for metal drilling (11.5mm, 6.5mm 4.0mm) & bits to suit bracket fixing Hammer, socket / spanners to suit M6 bolt & shearnut, large Hacksaw, Tools to fix brackets (all brackets are pre-drilled with 10mm fixing holes).

PLEASE NOTE: "Warning Signs" must be displayed where this product is installed.

Check out our range of "Anti Climb" signs on our website, or call for details: 01273 475500



Why not make your life easier?

Our range of **Fast-Fix masonry fixings** will speed up your installation, or choose from our range of **Security Fastenings** for added security

