



DEFENDER[®]

ROOF EDGE PROTECTION

DEFENDER ROOF EDGE PROTECTION systems are freestanding, with no requirement for fixings or drilling and subsequently no repair to the roof membrane, suitable for flat roofs up to 3° pitch.

The systems can be configured to satisfy the requirements of BS EN ISO 14122 part 3 or the load and deflection requirements of BS EN 13374 Class A.

DEFENDER ROOF EDGE PROTECTION systems operate on a counterbalance principle using curved PVC counterweights as the main component. A galvanised malleable iron foot with a protective rubber base supports the handrail post; this includes an integral toeplate facility which is a fundamental requirement if there is no perimeter edge upstand.

All systems feature 1100mm tall factory pre-assembled uprights that include open cradle fittings allowing the handrail tube to be quickly dropped into place instead of the time consuming process of being fed through several fittings as required with other systems, speeding up assembly and saving cost.



ECONOMY SYSTEM

A simple and cost effective way of protecting roof edges.

Uprights are positioned to a **maximum** bay size of 2.8m and counterweights (overall length 1942mm) are fitted on every other upright post to a **maximum** distance 5.6m*



STANDARD SYSTEM

Shorter length counterweight tubes, enables installation in restricted roof areas.

Upright posts each fitted with counterweight assemblies (1442mm overall length) **maximum** bay sizes of 2.8m*



PLUS SYSTEM

Aesthetically pleasing, curved uprights with 3 rails for added security.

Upright posts placed at **maximum** bay sizes of 2.8m fitted with counterweight assemblies (1442mm overall length) on every other upright post **maximum** bay sizes of 5.6m*

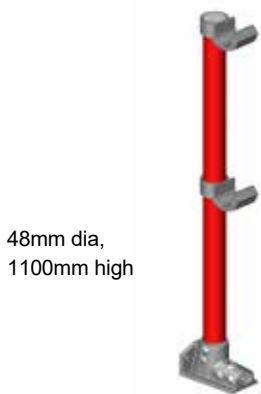
*Maximum bay size dependant on roof configuration and compliance standard requirements.

Benefits

- System is effectively maintenance free with hot dip galvanised fittings and tube to BS EN ISO 1461
- Recycled PVC counterweights
- For use on asphalt, coated steel sheeted, concrete or mineral felt roofs
- Rapid installation, no special tools or specialised labour required
- No on site welding or bending required
- Base fitting allows option of installing uprights up to 11° from vertical
- Bolt on toeplate available to comply with HSG 33.

System Components

Pre-assembled Upright



48mm dia,
1100mm high

Used for Economy
and Standard systems

Pre-assembled Curved Upright



48mm dia,
1100mm high

Used for
Plus system

Sleeve Joint



Used to connect adjoining
handrail sections together.

90° Elbow



Used to change direction at
90° without bending the tube
or to form D return end.

Variable Elbow



Used to make joints at an
angle of between 15° and
60° without bending the
tube.

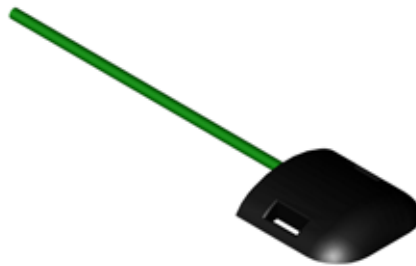
Wall Flange



Allows ends of systems to
be structurally fixed.



Intermediate counterweight assembly
comprising PVC Weight, locking
collar, 42 mm dia tube 1000mm long.
Used for Standard and Plus systems.



Intermediate counterweight assembly
comprising PVC Weight, locking
collar, 42 mm dia tube 1575mm long.
Used for Economy system.



Run-end counterweight assembly,
used on all systems with a 'free end'.
Containing 2no PVC weights, 2no
locking collars, 1no solid 690mm bar
and 42 dia tube 1575mm long.
Supplied loose for site assembly.

DEFENDER ROOF EDGE PROTECTION • ECONOMY • STANDARD • PLUS

Whilst every effort has been made to ensure the accuracy of the information supplied. F.H. Brundle cannot be held responsible for any errors or omissions. This product must only be employed for its original intended use. Any other use is wrong and potentially dangerous. Installation must be carried out in full compliance with current regulations. F.H. Brundle cannot be held liable for any damages resulting from wrongful, erroneous or negligent use.