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 3º pitch.

The systems satisfy the requirements of BS EN ISO 13374 Class A standard for temporary edge protection systems and BS 13700:2021 standard for permanent counterweighted guardrail systems.

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.

RE00G40 Uprights are positioned to a maximum bay size of 2.8m and RE11P40 counterweights (overall length 1942mm) are fitted on every other upright post to a maximum distance 5.6m and end bays at 2m. To achieve the Bay sizes stated the system has to be fully restrained and the uprights need to be placed against the restraining wall.

STANDARD SYSTEM

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

RE00G40 upright posts each fitted with RE1140SS counterweight assemblies (1442mm overall length) maximum bay sizes of 2.8m and end bays at 2m. To achieve the Bay sizes stated the system has to be fully restrained and the uprights need to be placed against the restraining wall.

PLUS SYSTEM

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

RE00G40SS upright posts placed at maximum bay sizes of 2.8m fitted with RE1140SS counterweight assemblies (1442mm overall length) on every other upright post maximum bay sizes of 5.6m, end bays at 2m. To achieve the Bay sizes stated the system has to be fully restrained and the uprights need to be placed against the restraining wall.

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 11º from vertical
- Bolt on toeplate available to comply with HSG 33.

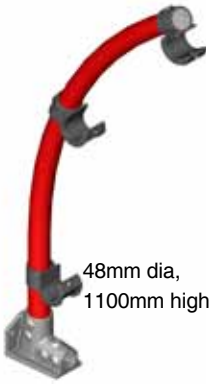
SYSTEM COMPONENTS

RE00G40 Pre-assembled Upright

48mm dia, 1100mm high

Used for Economy and Standard systems

RE00G40SS Pre-assembled Curved Upright



48mm dia, 1100mm high

Used for Plus system

C00G40 Sleeve Joint

Used to connect adjoining handrail sections together.

C02G40 90º Elbow

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

C05G40 Variable Elbow

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

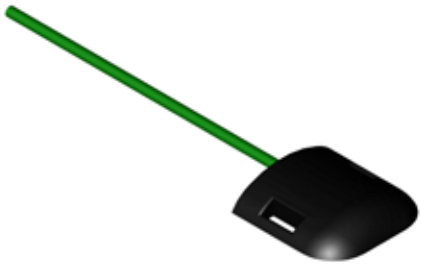
C11G40 Wall Flange

Allows ends of systems to be structurally fixed.

RE11P40SS

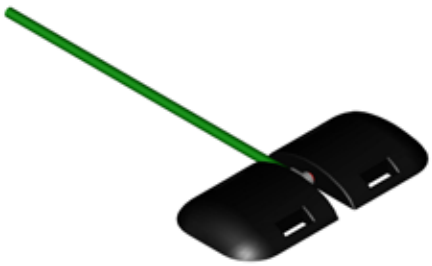
Intermediate counterweight assembly comprising PVC Weight, locking collar, 42 mm dia tube 1000mm long.
Used for Standard and Plus systems.

RE11P40



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

RE12P40



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

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