

Roodsafe Ltd

Roodsafe® fall arrest systems



Uniclass L773	EPIC N5
CI/SIB (66.3)	X
20030678	November 2002



A cable-based, fall arrest and restraint system designed to provide protection to end-users at risk of fall.

Introduction The company is one of the leading designers and manufacturers of 8 mm cable-based, fall arrest/restraint systems. It has a continuing research and development programme.

Applications Systems are designed for use where falls can occur particularly where building repair, maintenance, cleaning, access and inspection are required. It may be used where most types of proprietary roofing systems, including KalZip, Kingspan, CA Roofing and Butler, standing seam, speeddeck and most roof sheets manufactured are installed.

Authority All products comply with BS EN 353, BS EN 795 and BS 7883. Copies of certification of independent testing is available on request. All systems meet CDM requirements.

DESCRIPTION

Each installation is individually designed to suit the building, access requirements and compliance with standards.

The design principles comprise: 2 end anchors per installation, intermediate anchors at up to 10 m centres, 8 mm stainless steel cable, use of Lifewheel anchors, scaffold tag attached to each system. Cableway components comprise: entry/exit points, corner boomerang - used to change direction, eyenut - used as intermediate supports, cable guide - used with eyenut to form intermediate support, turnbuckles, cable tensor, corner tube, anchor support posts - low level posts with a range of fixings to suit most roofing systems, RS load absorbers - fitted at one end to absorb load when fall occurs.

Composition, manufacture Cable is of stainless steel 7x7 construction grade 316S16 to BSMA29 or ASJSJ3 16. The Lifewheel travelling anchor rotates freely when passing through intermediate anchor supports thus eliminating the need to disconnect and reconnect. It is entirely hands-free in operation. Manufacture is from 17/4 ph grade stainless steel and each unit is individually numbered for traceability.

Design The fall risk area and base material for anchor installation are identified. A full CAD facility is used to ensure accuracy and compliance. **Installation** is only by approved installers, a list of whom is available from the company. **Commissioning** Upon completion of installation a company engineer will test each system for

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compliance. Certification is issued where compliance is assured. **Maintenance** contracts for annual testing of the system are available.

PERFORMANCE

Mechanics The lifewheel has a strength of 45 kN. Minimum load for cable is 38 kN. Eyenut and wire guide have load capacity of 45 kN.

ECONOMICS

Guarantees A full 25 year (15 year where installation is within 3 km of any coast) product guarantee is offered on completion of commissioning and testing.

SERVICES

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REFERENCES

Other products available as supply only, design/supply or design/supply/ installation/testing include: ladder restraint systems, window cleaners' eyebolts, personal protective equipment.

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Technical Literature:
CD-ROM: Fall arrest systems
specification pack