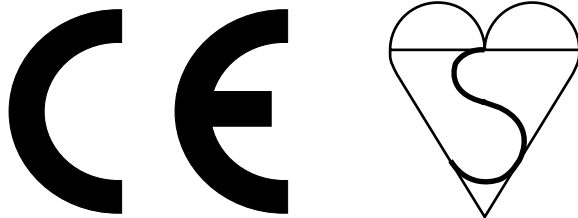




## Data Sheet

# Fall arrest equipment



A range of new fall arrest equipment, supplied to **RS Components** by B. H. Sala and complying with the new European Standards for fall arrest equipment. The new European Standards supersede the British Standards for fall arrest equipment and impose stricter testing procedures.



All fall arrest equipment has been tested to relevant European and British Standards by N.E.L (National Engineering Laboratory) notified body number 0320. East Kilbride, Fife, Scotland.

### Risk assessments

The 'Management of Health and Safety at Work Regulations 1992' require every employer to make a suitable and sufficient assessment of the risks to which his/her employees are exposed whilst at work for the purpose of identifying the measures he/she needs to take to comply with the requirements and prohibitions imposed upon him/her by or under the relevant statutory provisions (Regulation 31a).

It is therefore required that the appropriate equipment be used to safely ensure that possible risks are minimised or eliminated altogether. Fall arrest equipment is made up of a number of separate elements which must be combined in the correct order and using safe working practices.

### Fall arrest equipment

Full body harnesses supplied to **RS** by B. H. Sala meet EN 361 and are designed to limit falls from height. Both harnesses available incorporate thigh and shoulder straps and must be used in conjunction with safety lanyards for safe attachment to anchorage points.

They are intended for use where freedom of movement is required, but where the combined effects of the position of the anchorage, the length of the lanyard, the attachment point on the harness and the length of any extensible webbing limits the drop to a maximum of 2m.

**WARNING:** Before putting the harness on always visually check harnesses and lanyards for:

- General surface abrasion  
Attachment lines, lanyards, etc. can be damaged and weakened by contact with sharp edges or abrasive surfaces. Always carefully inspect harness straps, lanyards for fraying, etc. due to excessive abrasion.
- Local abrasion  
May occur in a particular area of the harness or lanyard subject to constant contact with a D-ring or similar object where a small area is constantly being rubbed.
- Cuts, nicks  
Ropes or harnesses found to have cuts, nicks, etc., are to be considered as potentially dangerous and are to be taken out of service immediately.
- Chemical attack  
Usually indicated by a change in colour and local weakening or softening of the section affected so that surface fibres can be rubbed off as powder in extreme cases. Must be taken out of service if this is the case.
- Heat  
The following are signs that a rope has been subjected to extreme heat – charring, singeing or fusing of the fibres. If any of these are apparent the rope and harness should be taken out of service.

## RS fall arrest equipment

The fall arrest equipment consists of the following:

1. A full body harness  
Either Type 1 **RS** stock no. 324-4843  
or Type 2 **RS** stock no. 324-4887.
2. A lanyard with integral shock absorber **RS** stock no. 763-436.
3. Connecting hooks  
50mm opening scaffolding hook – **RS** stock no. 763-442.  
20mm opening automatic gate – **RS** stock no. 763-458.
4. 15m, Ø12mm static rope – **RS** stock no. 713-087.
5. Camlok® mobile fall arrest device – **RS** stock no. 763-420.
6. 6m Sala or fall arrest block – **RS** stock no. 713-093.

In offering the safety items suggested for your use, we wish to stress that the items have been produced to meet the general conditions prevailing in industry and their quality is to the appropriate European Industry Standard, but that their suitability for any particular customer in any peculiar circumstances such as environmental conditions, must be the responsibility of the customer.

All using and maintaining the equipment should read the instructions and details in the manuals provided carefully before use.

### Full body harness Savell® 100 (Type 1)

EN 361 back D-ring



Fully body harness with rear D-ring for use with shock absorbing lanyard **RS** stock no. 763-436.

The harness is colour coded to make fitting easier.

Harness weight 1.25kg.

Full fitting instructions are located on the harness as in accordance with the new European Standards and in a fully comprehensive instruction manual.

(**RS** stock no. 324-4843).

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### Full body harness Savell® 400 (Type 2)

EN 361 front, back and side D-rings



Full body harness with rear, back and side D-rings for use with shock absorbing lanyard **RS** stock no. 763-436.

**Note:** Side D-rings are used in positions where it is a requirement to lean to access work. Side D-rings should not be used for full support in a fall.

The harness is colour coded to make fitting easier.

Harness weight 2.10kg.

Full fitting instructions are located on the harness as in accordance with the new European Standards and in a fully comprehensive instruction manual.

(**RS** stock no. 324-4887).

### Shock absorbing lanyard

EN 355



A Savell rope lanyard with integral Zorba® shock absorber 1.75m in length to comply with the new European requirements.

The Zorba® shock absorber is a neat lightweight pack containing a length of shock absorber tear web. If a fall occurs the web tears apart in a controlled manner to absorb and limit the forcings and loadings placed on the body. With a built in shock absorber proof tested to 6kN and rated to withstand 25kN from a fall all Savell® rope lanyards meet the strength requirements of EN 361 (EN 361 supersedes BS1397/1979).

(**RS** stock no. 763-436).

### Connecting hooks

EN 362



©Saflok and Camlok are registered tradenames of Barrow Hepburn Sala Ltd.

Saflok® self locking hooks are designed for simple one handed operation and automatically secure the ferrule for user safety. The hooks are both manufactured from EN 3B steel and are available with either a 50mm (type 1) or 20mm (type 2) gate opening.

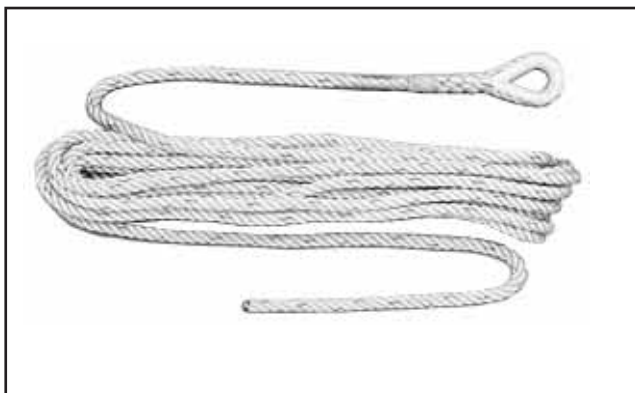
We recommend the use of a shock absorbing lanyard (RS stock no. 763-436).

	Material	Opening	Proof load	Min. break kN	Weight grms	Overall dim. mm	RS stock no.
Type 1	EN 3B steel	50	1kN BSI approved	22kN	700	220 × 125	763-442
Type 2	EN 3B steel	20	1kN BSI approved	22kN	210	108 × 61	763-458

**WARNING:** Always check that the trigger opens fully and that it returns itself and automatically revolves the ferrule into the locked position. Check for distortion, sharp edges, burrs, cracks or worn parts.

The automatic locking action can become impaired by the ingress of sand, boiler dust, etc. Cleanse by soaking in paraffin. If the automatic locking action is clogged with mud soak in hot water to restore action to normal.

### Static rope 15m, Ø12mm



A 12mm diameter heavy duty calibrated rope 15m long for use with the Camlok® mobile fall arrest device RS stock no. 763-420. This nylon rope has a specification of ENR 1675 and can only be used with the Camlok® fall arrest device when attached to a suitable anchorage point.

15m static rope RS stock no. 713-087.

### Camlok® mobile fall arrest device

EN 353-2



Designed and engineered for applications where mobility is the key requirement. The Camlok® device operates on static rope RS stock no. 713-089 and follows the user while they are ascending and descending. In the event of a fall the Camlok® will lock onto the rope through an arrangement of cams and bearings to prevent the user being subjected to falls of any distance.

All components of this fall arrest device are manufactured from stainless or zinc plated steel, passivated and anodised durinium and high quality injected moulded nylon.

**Note:** The Camlok® mobile fall arrest device is for use in vertical applications and where a high degree of lateral movement is required.

Mobile fall arrester RS stock no. 763-420.

**Fall arrest block (Sala block)**

EN 360 (6M)



Designed to swiftly and comfortably arrest any fall, the retractable lifeline block has been carefully designed and manufactured to ensure minimum shock loadings are imposed on the user's body in the event of a fall, thus significantly reducing the risk of serious injury.

Once the harness has been attached to the fall arrest block and the block has been attached to a safe anchorage point (see user instructions) the user is able to move away as the cable pays out with the extent of mobility limited to the 6m length of the blocks cable. As the user returns the cable automatically rewinds onto the drum eliminating the risk of dangerous slack. Should the user fall a brake is immediately activated limiting the fall distance, thereby reducing the risk of injury.

The fall arrest block or Sala block as it is more commonly known has one of the highest performance specifications available yet, it is both light and user friendly.

A red indicator becomes visible when this product has to be repaired after a fall. It is recommended that this unit be returned to **RS** for repair and servicing periodically – suggested period 1 year.

**Note:** It is intended that this unit be used in conjunction with either the full body harness with a single D-ring **RS** stock no. 324-4843 or multiple D-ring version **RS** stock no. 324-4887.

Max. overall dimensions \_\_\_\_\_ 345 × 190 × 70mm  
 Weight \_\_\_\_\_ 4.3kg  
 Brake \_\_\_\_\_ Constant force non-asbestos disc brake  
 Loading \_\_\_\_\_ 136kg  
 Fall distance \_\_\_\_\_ 250mm with full force 4kN

**Cable specification**

Diameter \_\_\_\_\_ 5mm  
 Length \_\_\_\_\_ 6m  
 Material \_\_\_\_\_ Galvanised steel  
 Lay \_\_\_\_\_ Right hand lay 7 × 19 ordinary construct  
 Strength \_\_\_\_\_ 15kN breaking strain  
 Casing \_\_\_\_\_ High grade aluminium, waterproof seals,  
 yellow epoxy coatings  
 Standards \_\_\_\_\_ EN 360, DIN 23326, CSA 2259-2  
 (EN 360 supersedes BS5062)  
 6m fall arrest block **RS** stock no. 713-095.

**Important:**

When using fall arrest equipment the onus of responsibility is upon management and employee to ensure that all instructions are read and followed.

Retractable life line safety blocks have two main functions – to safety extend the working area where a safety belt or harness with a 2 metre lanyard is inadequate, and to reduce the shock loading on the body by eliminating free-fall distances. The fall arrest block or Sala block are automatic leaving the user with both hands free.

**Note:** These instructions do not in any way replace the instruction manual included with the product. All instructions should be read with great care before proceeding.