

SCISSORSAFE ANCHORAGE TOOL USER MANUAL



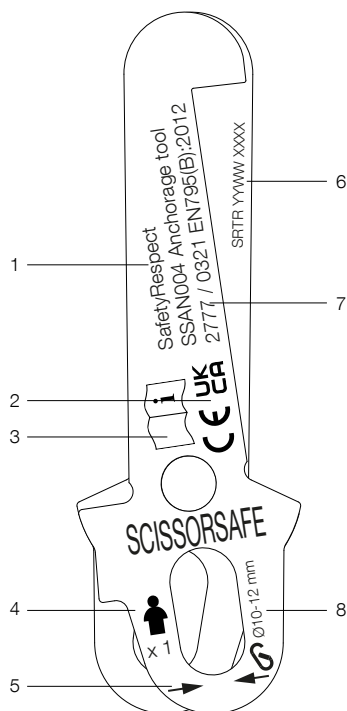
Certified by:

SATRA Technology Europe Ltd,
Bracetown Business Park, Clonee
Co. Meath D15 YN2P,
Ireland

Wyndham Way Telford Way
Kettering, Northamptonshire,
NN16 8SD
United Kingdom



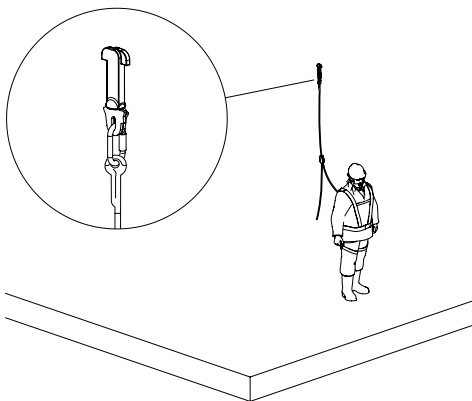
EN 795:2012 (B)
(EU) 2016/425



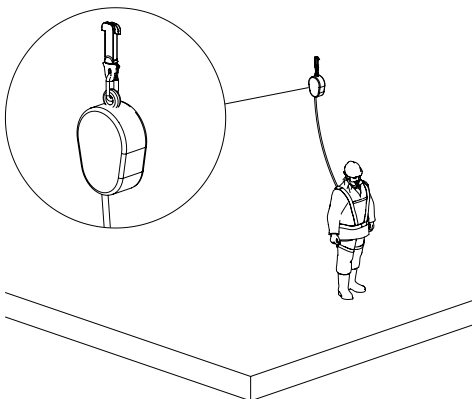
If you are in doubt about the correct use of the components or the instructions, please contact us.

We provide a series of training courses for the equipment we manufacture and distribute, and for rescue and inspection of fall safety equipment.

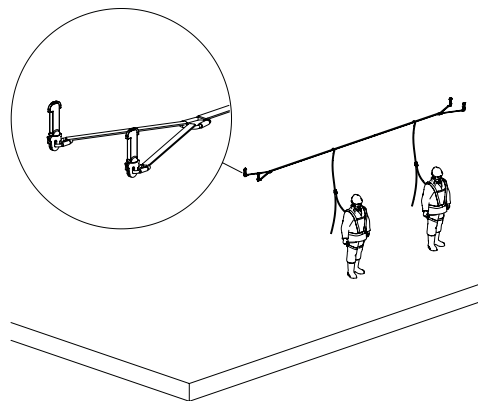
1



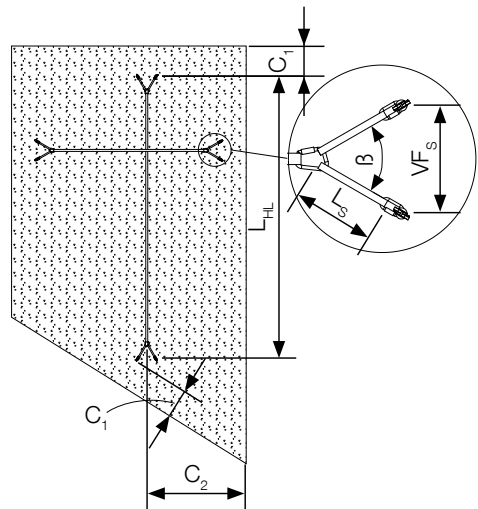
3



2



4

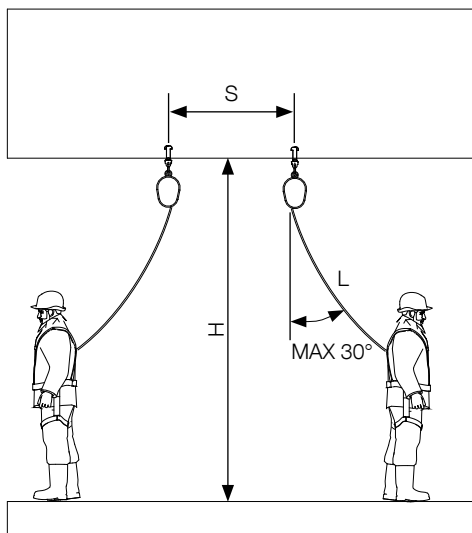


| | |
|---|-------------|
| C_1 | > 500 mm |
| C_2 | > 2000 mm* |
| L_{HL} | < 20 m |
| VF_s | 360-400 mm* |
| $L_s \approx VF_s \leftrightarrow \beta \approx 60^\circ$ | |
| S | > 500 mm |

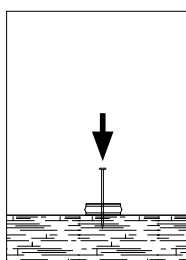
5 B

| H (mm) | L (mm) |
|--------|--------|
| 2000 | 520 |
| 2500 | 1100 |
| 3000 | 1670 |
| 3500 | 2250 |
| 4000 | 2830 |
| 4500 | 3410 |
| 5000 | 3980 |

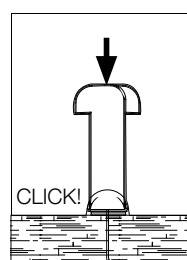
5 A



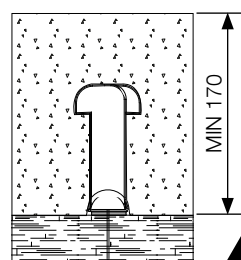
6



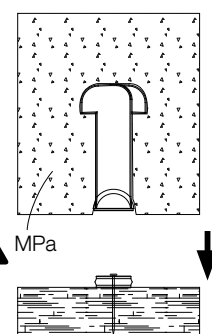
7



8



9



LOAD RATING AND LOAD DIRECTION

The concrete shall have reached a strenght of at least 25 MPa in cubical compression test (providing 2,2 MPa tensile strenght). (Fig 9)

For situations requiring increased strenght of the Scissorsafe anchor tool installation interpolation between concrete qualities can be used. The table in Fig. 14 shows theoretical characteristic breaking strength [kN] in the directions; outwards (A), parallel (B) and sideways (C) at different concrete cube compressions strength (fck, cubel) and corresponding tensile strenght (fctm).

IMPORTANT POINTS TO CONSIDER BEFORE USING THIS COMPONENT

Users of this anchorage device must be trained in its use and pre-inspection requirements. Ensure that the anchor device is not used outside its limitations, not used for lifting, or for any purpose other than that which it is intended, and that the user has been trained to do. This component should not be used by anyone that has a medical condition which could affect their safety when using it. Do not modify, alter, or attempt to carry out repairs to the device. Damaged devices should be immediately removed from use. Ensure the compatibility of other components intended for use with this Anchorage Device in a Work Restraint System and always refer to their specific instructions prior to using them.

RISK ASSESSMENT

A detailed risk assessment must be carried out for the type of work to be carried out, considering fall hazards, anchor points, work restraint distances, restrictions, and rescue methods.

A rescue plan considering all possible rescue scenarios during the work must be drawn up. A task specific rescue plan must be prepared, and specialist rescue equipment must be available to the user. In the event of a fall, the person must not be exposed to a prolonged state of hanging for longer than 20 minutes (danger or chock). Scissorsafe Anchorage device should be immediately removed from use if it has been used to arrest a fall. In these circumstances, please contact Safetyrespect.

These instructions, the risk assessment and the rescue plan must be always kept on file and available for user reference.

PLANNING

Before installing Scissorsafe expendable insert moulds into the formwork, carefully plan their positions for Work restraint lifelines or Fall arrest equipment. Position according to the limiting distances (Fig 4) and ensure concrete thickness is greater than 170 mm (Fig 8).

To minimise the risk of injury when in fall arrest systems, the anchorage needs to be positioned as vertically as possible above the intended work area in an arc no more than 30 degrees from vertical to prevent the user from swinging dangerously in the event of a fall. (Fig 5A + 5B)

Dimensions (as illustrated in Fig 4 and Fig 5) to consider during planning and set up:

- C₁ * Void former min edge distance
 - C₂ * Horizontal lifeline edge distance parallel to the leading edge
 - L_{HL} * Horizontal lifeline length (including the slings and connectors)
 - V_{FS} * Spacing between void formers in dual point anchorage set up
 - L_S Length of slings
 - β Angle between slings
 - H Ceiling height
 - L Length of lanyard
 - S Spacing between single point anchors or, between two horizontal lifelines in line
- (*recommendation)

INSTALLATION - CAST-IN VOID FORMER (SCS002)

Nail or screw the round disc onto the inside face of wall formwork or on top of the decking material using a round headed nail or 3x25 mm woodscrew. (Fig 6) Attach the void form mould on top of the round disc and press until it clicks in place. The perimeter ring of the mould will be in contact with the shutter face. (Fig 7 and 8). If the anchors are to be used for horizontal lifelines it will simplify the installation if the mould is turned to the correct direction. Once concrete has been poured this cannot be changed.

When the concrete has cured to the required strength and it has been verified there's no cracks in the immediate area, the Scissorsafe anchorage tool can be inserted and engaged. Identify the cast-in anchor point voids and remove the nailing disk from the ceiling to expose the void. (Fig 9)

Align the blades of the scissorsafe tool and push it into the void former insert until its shoulders are flush to the concrete face. (Fig 10)

Tap gently on the side edges of the tool shoulders to align the two holes. Fig 11.

When the holes are aligned the anchorage tool will accept a carabiner or connector attached to a lanyard or fall arrest block (inertia reel). (Fig 12)

Only use a carabiner or connector that has a diameter of 10 – 12 mm. (Fig 13) Once the carabiner is locked tug sharply to ensure that the anchorage is locked.

WORKING CONDITIONS

This anchorage device can be used in the temperature range from -30 to +50 °C. Protect against the effects of welding flames and sparks, fire, acids, caustic solution, damages and similar. (Fig 16)

The SafetyRespect Scissorsafe are equipped with a pre-fitted steel loop for attaching a Tool lanyard or hanging it to a tool holder on a harness when not in use.

WARNING! Any other use and product combination than stated in this manual may affect or interfere with safe functions on, in, or between items leading to potential malfunction, failure, injury or death.

TRANSPORTATION AND STORAGE

Keep the product in its original packaging and protect it from damage and weather effects such as:

- high and low temperatures or non-neutral PH environment (Fig 16),
- direct sunlight (UV radiation), humidity (Fig 16);
- chemical agents, corrosive, solvent (acid), corrosive medium (high salinity), impurities (abrasion), sharp edges, vibrations, etc. (Fig 16);

Store this component in clean, dry conditions free of dust , oil, or airborne particles, preferably in its original packaging. Do not expose to extreme temperatures. If the equipment becomes wet either for being in use or when in due to cleaning, it shall be allowed to dry naturally, and shall be kept away from direct heat.

CLEANING

To clean components manufactured from Steel, use low viscosity lubricant (WD40 or similar), applied with a sponge or cloth. Dry with cloth after cleaning.

MAINTENANCE

Maintenance of this component should only be carried out by a trained and competent person who will ensure that no alterations are made to it.

MARKINGS

- Notified body and Product standard of compliance
- CE/UKCA marking
- Read the manual
- One user only (for Fall Arrest applications)
- Align the slotted holes
- Serial/ID-number

- Product owner and Model/type
- Connector size range

The batch/ID-number (6), SRTRYYYWW XXXX, tells the following information:

- SR – The producer/product owner meaning Safetyrespect AB
- TR – Country of production
- YY – The year of manufacturing
- WW – The week of manufacturing
- XXXX – Four-digit ID-number (0001-9999) that is unique to every finally assembled unit within the specified batch.

PRODUCT LIFE LENGTH

This product is valid for 10 years from the date of manufacture but has a service life of 5 years from date of first use. Any component that has reached this date, and which has not been rejected for other reasons, should be withdrawn from service, and not used again.

Good record keeping is essential to establish the age and conditions of use for products. Scissorsafe components carry unique serial numbers that allow the history of the component to be recorded. If the serial number is lost or becomes illegible, the component shall be discarded.

DOCUMENTS

Through the download section on the SafetyRespect website, the latest version of this manual, replacement user inspection card, Declaration of conformity and other relevant documents can be accessed.

safetyrespect.com/documents-for-download

EESTLANE

To be added...

LATVIJA

To be added...

LIETUVIŠKAS

To be added...

NORSK

To be added...

SUOMI

To be added...

SVENSKA

To be added...

TÜRKÇE

To be added...