SAFETYRESPECT

SCISSORSAFE ANCHORAGE TOOL

USER MANUAL



Certified by:

SATRA Technology Europe Ltd,

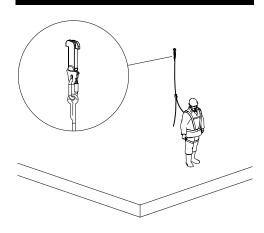
Bracetown Business Park, Clonee Co. Meath D15 YN2P. Ireland

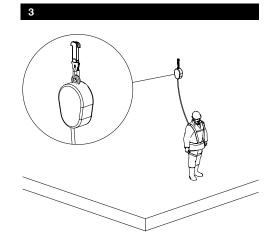
Wyndham Way Telford Way Kettering, Northamptonshire, NN16 8SD United Kingdom

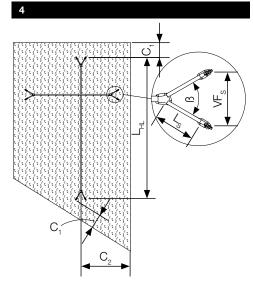


EN 795:2012 (B) (EU) 2016/425





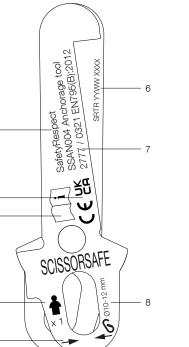




C_{1}	> 500 mm			
C_2	> 2000 mm*			
L _{HL}	< 20 m			
VFs	360-400 mm*			
$L_{\rm S} \approx VF_{\rm S} \leftrightarrow \beta \approx 60^{\circ}$				
S	> 500 mm			

5 B

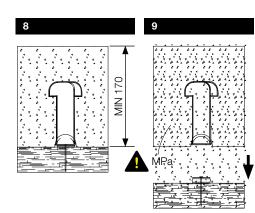
H (mm)	L (mm)		
2000	520		
2500	1100		
3000	1670		
3500	2250		
4000	2830		
4500	3410		
5000	3980		



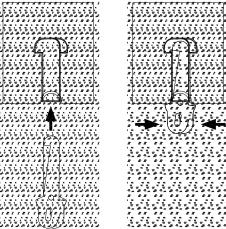
If you are in doubt about the correct use of the components or the instructions, please contact us.

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





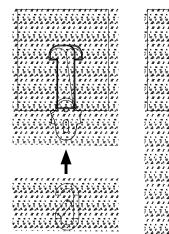




14

125

35



EXPORT /IMPORT

For export/imprort o a country within EU, UK or Türkiye, and the official language is not already included in this manual. The reseller must provide a copy of these instructions and a Pre-use instpection card in that language. For export/import to a country not included in the stated areas, it is also essential that the reseller ensures compliancy to local regulations.

ENGLISH

TEMPORARY WORK RESTRAINT SYSTEM

A Temporary Work Restraint System will provide a high level of safety for workers when operating in areas with unprotected fall hazards and leading

When installed the Work Restraint system provides a high level of safety and where up tp four users can operate in a safe working zo

SINGLE POINT ANCHORAGE FOR WORK RESTRAINT (FIG 1)

Suitable for one person working in restraint using an adjustable work positioner as a connecting device between anchorage point and harness, which is kept in tension whilst in use. (Fig 1)

A personal protection equipment system for a single anchorage point will comprise a Scissorsafe Anchorage Tool, a Full Body Harness preferably with front and rear anchorage points and a connecting component which will be determined by the distance from the anchorage point to the work area.

DUAL POINT ANCHORAGE FOR HORIZONTAL LIFELINES / RUNNING

LINES (FIG 2)

Suitable for multiple users simultaneously working in restraint. Dual anchors are linked by slings to a horizontal lifeline forming a ceiling height running line anchorage point up to 20 meters in length. Users attach to the lifeline using an adjustable work positioner from their harnesses which are kept in tension whilst lives (Fig. 4). in use. (Fig 2)

This user instructions are limited to the set up and installation of the Scissorsafe anchorage system. Please refer to the separate user instructions for the individual components before planning a multiple user work restraint system

FALL ARREST SYSTEM

SINGLE POINT ANCHORAGE FOR FALL ARREST
Each anchorage is for one person only, working in fall arrest using a selfretracting lifeline directly between harness and anchorage point. (Fig 3)

Only a full body harness compliant to EN 361 is allowed to be used as part of a fall arrest system. (Fig 3)

A connecting device should be connected directly to the anchor point and the wearer's harness without additional components. The connecting device will be a webbing or rope lanyard with an energy absorbing pack attached or for greater movement a self–retracting fall arrestor.

The system shall reduce the impact forces affecting the user during a fall to a The system shall reduce the Impact forces aniecung the user during a lain of a maximum of 6 kN. This can be done by using EN 355 energy absorbers, EN 360 retractable lanyards or EN 353-1 and EN 353-2 guided type fall arresters. The device used for limiting the impact forces as well as the dimensions of the EN 362 connector and, if used, the length of the EN 354 lanyard must be added to the total length of the system as it influences the length of fall.

Anchor points, and devices for creating anchor points, shall meet EN 795 requirements and have a minimum breaking strength of 12 kN.

The Anchor point should be above the user's head to allow work in an area no more than thirty degrees horizontally from the anchor point to avoid a potential swing fall hazard or pendulum swing in the event of a fall. (Fig 5 A+B)

Always refer to the instruction manuals supplied with Fall Arrest components.

WARNING: In a fall arrest system, it is essential for safety to verify the free space required beneath the user at the workplace before each occasion of use, so that, in the case of a fall, there will be no collision with the ground or other obstacle in the fall path. The deflection in the Scissorsafe anchorage tool in case of a falling accident will be less than 20 mm.

PRODUCT DESCRIPTION AND PRE USE SAFETY CONSIDERATIONS

SafetyRespect Scissorsafe is a cast-in and reusable anchorage system intended solely for use as a portable, temporary anchorage for fall arrest or fall restraint serving to protect the user in conjunction with appropriate PPE including a full body harness and connecting system. Cast in- anchorage points are placed in temporary formwork structures for wall, slabs, columns, and inclined surfaces. The unique tee shape of the Scissorsafe cast in mould and the action of the property of the property these leading list the service in result. interiment striates. The unique test snape of the action of the anchor tools movement when locked into the cast-in mould provide an EN 795 anchorage point for a fall restraint system or fall arrest system in conjunction with a Safety Harness compliant to EN 361. Please refer to the Routine Inspection Checklist provided with this component before using it to ensure that it is in a serviceable condition and is operating correctly. Depending on the system configuration set up this may be single person or multiple person systems. person or multiple person systems.

The SafetyRespect two-part void former is designed to form a void in concrete that will allow insert of a Scissorsafe anchorage. They can be placed into the ceiling, soffits, or walls, in vertical, horizontal, or inclined formwork.

When the device is fully engaged and an EN 365 carabiner or connector is attached it cannot disengage until the user purposely removes the connector and non- aligns the blades. It is not permitted to replace the connector with any other type of connector or to use linked connectors unless in a rescue situation orner type or connector or to use linked connectors liniess in a rescue situatin it is the Employers responsibility (depending on national/regional regulations) to establish a regime for the inspection of equipment. It is essential that a competent person is given the authority to make objective decisions and take appropriate action, even if this means rejecting a component at the cost of delaying a work task. The inspection regime should include:

- the equipment to be inspected, user training,
- safe keeping, updating and access of user record cards, frequency and type of inspection relevant to each component, action to be taken if a defective component is found.
- PRE-USE INSPECTION AND USER RECORD CARD

PHE-USE INSPECTION AND USER RECORD CARD.

A User Record Card is supplied with each component which should be stored in a dry place, accessible to the user.

Pre-Use Inspections should be made each time the component is to be used to ensure that its condition meets the required standard.

Periodic Detailed Inspections should be carried out by a qualified inspector at

intervals determined by the level of use of the component and the materials it is manufactured from

A Periodic Detailed Inspection must be made at least every twelve months

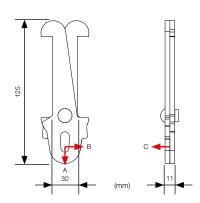
The Record Card lists the specific parts and functions of the component that should be working correctly before it can be used.

Upon receipt of the component, please add the date of first use in the opon receipt or the component, please adult the date of miss dae in the appropriate box. If the serial number is lost or becomes illegible, or if the used record cards are lost, please send a request to SafetyRespect and a replacement will be made available to you.

An example of the user inspection card is shown in Fig. 15.

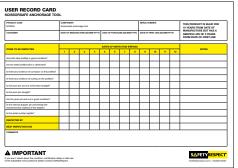
15





	fck, cube [MPa]	25	30	37	45	50
Load direction	fctm [MPa]	2,2	2,6	2,9	3,2	3,5
A. Outwards [kN]		13,9	16,5	18,4	20,3	22,2
B. Parallell [kN]		22,2	26,2	29,3	32,3	35,3
C. Sideways [kN]		16,4	19,4	21,6	23,9	26,1





















LOAD RATING AND LOAD DIRECTION

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

For situations requireing 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 cu compressions strength (fck, cube) and corresponding tensile strength (fctm).

IMPORTANT POINTS TO CONSIDER BEFORE USING THIS COMPONENT

Users of this anchorage device must be trained in its use and pre-inspection Oses to this arrowing evervie miss 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

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

- Void former min edge distance Horizontal lifeline edge distance parallel to the leading edge Horizontal lifeline length (including the slings and connectors) Spacing between void formers in dual point anchorage set up V_{FS}
- Length of slings
- Anale between slings

- Ceiling height
 Length of lanyard
 Spacing between single point anchors or, between two
 horizontal lifelines in line

(*recomendation

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 he 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 of 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

WARNINGI 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 Notified body and Product standard of cor 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

The batch/ID-number (6), SRTRYYWW 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...