

Safety snap hook 2302-TW3 362: 2004/B (Henssgen ID 935044)

Scope of application, maintenance procedures and regular checks, identification card

1. Scope of application

The safety snap hook 2302-TW3-CE is an automatically closing and self locking fastening device in accordance with standard EN362:2004. It can be used as a part or component of individual protection equipment (IPE) providing fall arrest protection in accordance with standard EN 363:2018.

2. Warnings

- Before using this product, read these instructions thoroughly and keep them in a safe place.
- If re-selling this product outside the first country of destination, the retailer must provide these instructions written in the language of the country of use of the product.
- Working at heights is risky, and only a person in a perfect state of health and good physical condition can do such work and handle possible emergency situations.
- This piece of equipment is a vital safety component; incorrect use would place the user in mortal danger in the event of a fall.
- It is reminded that in a fall arrest system, only an EN361 fall arrest harness may be used to hold the body.
- It is advisable to allocate this product to a single individual who will be the only person to use it.
- This product may only be used by a trained and skilled person or under the supervision of such a person.
- Make sure that before and during use, a rescue plan is established and known, so that an effective and totally safe intervention is possible.



3. Use

The 2302-TW3 CE consists of a steel carabiner hook body (1) with an automatic clasp (2) which opens inwards. A manually-operated locking system (3) prevents accidental opening.

- Unlock it by pushing the knurled ring [3] (in the direction of the big arrow) and twist it anticlockwise (in the direction of the small arrow).
- Press the clasp [2] towards the inside of the snap hook.
- Engage the hook on the part or component to be connected.
- Release the clasp and the knurled ring, which should return to its initial position.

The clasp opens by 16 mm. The strength of the snap hook when closed and locked is 25 kN along the main axis and 7kN along the transvers axis. It is not recommended to put load on the hook's clasp. Pay particular attention to the direction of stresses when using tethers which are wide or of large section. In this case, the maximum load must be reduced.

This type of snap hook should only be used if the user does not need to open and close it frequently during his working day.

In fall arrest systems, it is essential for safety that the structural anchoring point where the fall arrest system will be fixed is above the user, that it has a static strength of at least 10 kN and that it meets the requirements of standard EN795. If the anchoring point has been in place for a long time, check that it is in good condition. Avoid moving too far away from the plumb line of this anchorage, in order to limit the height and extent of a possible fall which, moreover, could be swinging.

Each time before using a fall arrest system, it is essential to check the free space (clearance) required under the user, so that in the case of a fall, he does not collide with the ground or with a fixed or moving obstacle located in his path. When using the fastening component in a fall arrest system, the length of this component must be taken into account as it affects the fall height.

When combining the fall arrest system with other safety components, check the compatibility of all the components and make sure that all the recommendations of the product instructions and the applicable standards relating to fall arrest systems are implemented. In particular, make sure that the safety function of one component is not affected by the safety function of another component, and that they do not interfere with each other. Check by visual examination during and after use that the equipment is in good condition and that there are no faults: condition of the body, rivets, clasp and locking device. Check that there is no abnormal wear, cracks, incipient breaks, deformation, traces of rust, etc., and make sure that markings are legible (identification and/or expiry date). Check that the clasp is working correctly; it must return to its closed position automatically.

When a device has been used to arrest a fall or doubt arises as to its reliability, withdraw it from circulation and do not use it until you have obtained the written authorisation of a person who is competent to decide on its re-use.

It is mandatory for the fall arrest system to be connected to the dorsal D-ring of the harness, or to the end of the extension strap if it has one, or to the two sternal attachments simultaneously. These points are identified by the letter A (single attachment) or A/2 (these points must be connected together).

4. GENERAL CONDITIONS OF USE:

- Periodical checks must be carried out by a competent inspector to ensure the safety of the user, who must maintain the efficiency and strength of the equipment. A compulsory annual check will confirm the condition of the equipment, which may only be kept in service if written agreement is given.
- These products must be protected against environmental stresses: mechanical (impacts, sharp edges, etc.), chemical (splashes of acids, bases, solvents, etc.), electrical (short-circuits, arcing, etc.) or thermal (hot surfaces, blow torches, etc.).
- Do not expose these products to temperatures of below -35°C or above 50°C .
- This equipment may only be used for its specified purpose and it must not, under any circumstances, be pushed past its limits.
- Storage: the product must be stored in a dry and ventilated place, protected from direct or indirect heat source and ultraviolet radiation. Wet equipment must be dried under the same conditions.
- Cleaning and disinfection: only using water with a neutral soap.
- Packaging: use rot-proof and waterproof protective packaging.

- Transport: packaged and protected from impacts or pressures caused by the environment.
 - The product may not be modified or repaired in any way.
 - Life: the fall arrest IPE made by **Henssgen** has been designed to work for many years under normal conditions of use and storage. Its length of life depends on what use it is subjected to. Certain particularly aggressive, marine, siliceous or chemical environments may reduce the life of IPE. In such cases, particular attention should be given to its protection and checks before use. The compulsory annual check will confirm the correct operation of the mechanism and its continued service; it may only continue to be used with the written agreement of the manufacturer or its representative.
- Bearing in mind the above, the approximate life of the products recommended by **Henssgen** is ten years.
- Keep the identification data and maintenance follow-up table up to date from the time of commissioning and at each check.

5. Marking of product :

- Typ: 2302-TW3-CE
- Standard and class: EN 362:2004/B
- Static load capacity on the main axis: 25 kN
- Symbol indicating that the instructions must be observed :



- CE symbol and reference number of the notified body involved in checking the individual protection equipment:

SGS – CE 0120

8. Notified body involved in the production control phase :

SGS United Kingdom Limited, Unit 202B, Worle Parkway, Weston-super-Mare, Somerset, BS22 6WA, UH, Notified body 0120

9. Notified body involved in the type approval phase:

SATRA, Wyndham Way, Telford Way, Kettering, Northamptonshire, NN16 8SD, United Kingdom. Notified body 0321

ID CARD			
Name of the device:		Year of manufacture:	
Trade name:		Date of purchase:	
Modell and type:		Date of first use :	
Identification no.:		Manufacturer:	

LIST OF PERIODICAL CHECKS				
Date	Reason of treatment (periodical check or maintenance)	Detected damages, passed repairs etc.	Name/ sign of competent person	Date of next periodical check