

# rothoblaas HOOK

## MANUAL FOR INSTALLATION AND USE

HOOK 20 - HOOK 50 - HOOK 100 - HOOK 140

 **NOTICE**

The installation and use of the safety device is allowed only once the installer and user have read the original installation and use instructions in his or her own language.

ENGLISH

1200246-1 | 05-12

## SAFETY REGULATIONS

- Rothoblaas HOOK is an anchor device for fall protection and restraint to be applied to sloped wood or concrete roofs.
- Poor health (heart and circulation problems, assumption of medication, alcohol) may have negative influence on the safety of a person working at a height.
- Rothoblaas HOOK must be installed only by skilled and expert workers who are fully acquainted with the roof safety system at state of the art level. The system must be installed and used only by personnel that is familiar with these instructions for use and with the local safety regulations in force, that is physically and mentally healthy and that has received training in the use of PPE (Personal Protective Equipment).
- Rescue plans must be put in place to solve any emergency situations that may arise during work execution.
- Before starting work, measures must be taken so as to prevent the falling of any kind of object. The area directly underneath the work site (e.g.: sidewalk, etc.) must be kept clear.
- No changes of any kind must be made to the anchor devices.
- Installers must make sure that the sub-base is suitable for anchor device fastening. In doubt, a calculations expert should be called in.
- If any steps are not clear during the installation phase, get in touch with the manufacturer.
- Roof covering weatherproofing must be well executed and in compliance with applicable directives.
- Stainless steel must not come in contact with abrasive dust or steel tools in order to prevent corrosion.
- Workmanship level fastening of the safety system to the building structure must be documented via photographs taken of the installation conditions.
- Rothoblaas HOOK must not be used as anchor device for a horizontal lifeline as per EN 795 C.
- At the point of access to the fall protection safety system, the positions of the anchor devices must be illustrated via drawings (e.g.: overhead view of the roof).
- When the safety system is outsourced to external constructors, compliance with the instructions for installation and use must be agreed to in writing.
- Rothoblaas HOOK has been conceived as an anchor device for people and must not be used for any other purpose other than the ones envisaged by its designers.
- Fastening to the Rothoblaas HOOK shall occur via the eyelet, always using a snap-hook as to EN 362 and using personal protective equipment as to (body harness) and to EN 363 (fall arrest system).

- The combination of individual elements of the above mentioned devices may generate hazards, considering that the safe functioning of each device may be influenced by or may interfere negatively with the safe functioning of another (follow the instructions of the corresponding user manuals).
- Before use, carry out a visual inspection of the entire safety system in order to check for visible defects (e.g.: loose screws, warping, wear, corrosion, defects in roof weatherproofing, etc.).
- Notice: when installing in the horizontal, only use fasteners suitable for this purpose and tested for edge resistance (sharp edges, folded roofing sheet, steel rafters, concrete, etc.).
- When in doubt as regards safe use or when the device has triggered to arrest a fall, immediately stop using it and have the system checked by an expert (written report) and replace the device if required.
- It is of utmost importance that the device be designed, positioned, installed and used in such a way that both the risk of fall and the fall distance be reduced to a minimum or null.
- The smallest free area required under the fall edge is calculated as follows:  
manufacturer's indication of the personal protective equipment including line flexion + height of operator + additional safety distance equal to 1 metre.
- Periodical inspections of the anchor devices by an expert is recommended at least every 12 months (EN 365), and each inspection must be logged in the inspection register provided.
- Should the device be sold to operators abroad, it is of utmost importance that the purchaser be provided with the instructions for installation and use in the language of the purchaser.

## USE

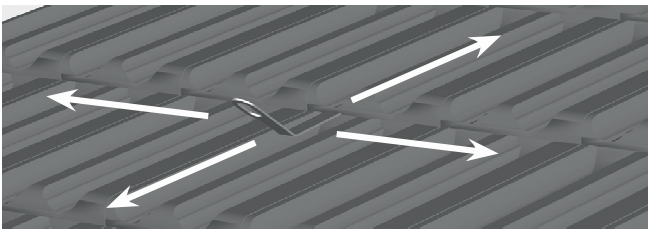
Homologated as anchor device on sloped roof **for 2 people** equipped with the following personal fall protection equipment as per EN 363.

- Restraint systems EN 354
- Positioning systems EN 358
- Fall protection systems EN 353-2
- Energy absorbers EN 355

To ensure safe use, follow the indications provided each time by the PPE manufacturer.

## STANDARDS

Rothoblaas HOOK has been tested and certified to **EN 795 Class A** on wood and/or concrete roofs with and without insulation. The Rothoblaas HOOK anchor device has been tested under all load directions (including in -Y = ridge direction).



## FUNCTION

Rothoblaas HOOK is an anchor device that is fastened to a statically tested sub-base (e.g.: bearing structure of a roof) and is used as anchor device for personal protective equipment.

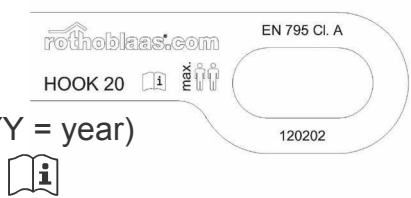
## MATERIAL

Rothoblaas HOOK is made of 1.4016 – AISI 430 stainless steel.

## SYMBOLS AND MARKINGS

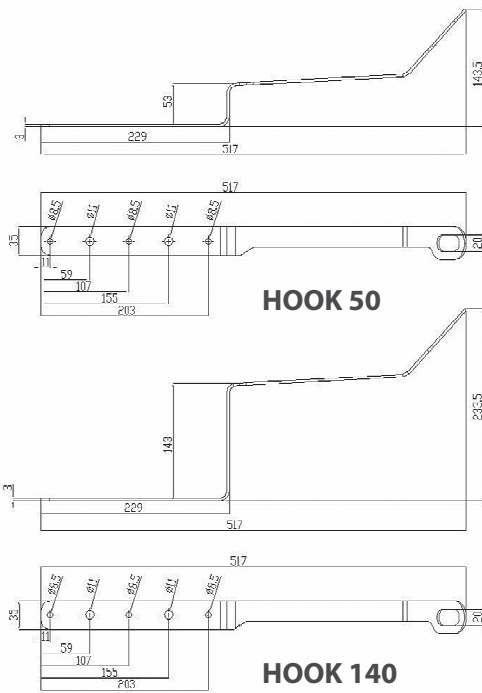
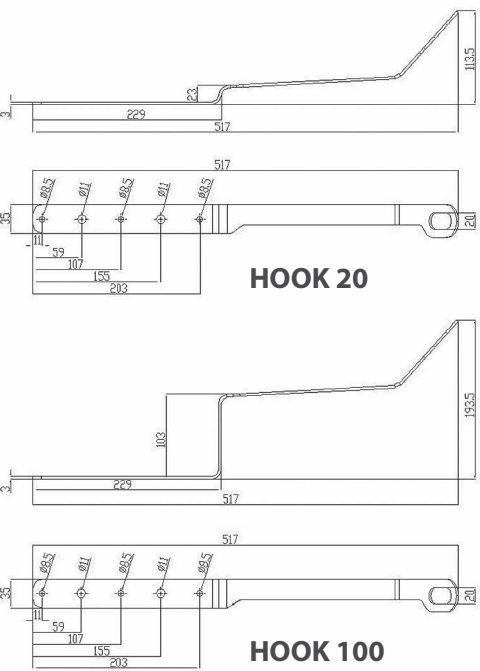
The anchor device must bear the following information:

- Type: Anchor device Rothoblaas HOOK (20/50/100/140)
- Number(s) of relating standard(s): EN 795: Class A
- Maximum number of users: 2 people
- Name or logo of manufacturer/distributor: ROTHOBLAAS
- Serial number and year of manufacture: XXXXYY (XXXX = lot number – YY = year)
- Symbol indicating need to consult instructions for use:



## DISTRIBUTION AND DEVELOPMENT

Rothoblaas srl - Via dell'Adige, 2/1 - 39040 Cortaccia (Bolzano)



INSTALLATION ON WOOD ROOF:

Min. size of rafters: 80x100 mm.

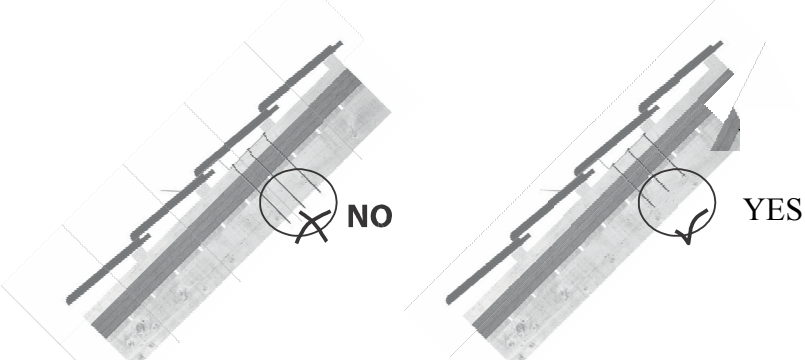
A statically stable sub-base is an indispensable premise. In doubt, a calculation expert must be called in.

Wood screws:

HBS Ø 8 mm, length: 100 mm – 500 mm with or without washer

NOTICE:

According to the roof structure, various fastening screws are required. In accordance with the minimum penetration depth of the bearing structure, use only **HBS wood screws!**



Screws supplied by: Rotho Blaas srl - [www.rothoblaas.com](http://www.rothoblaas.com)

The minimum penetration depth of the fastening screws into the wood shall be 80 mm.

Position the Rothoblaas HOOK on the batten or on the boarding above the bearing rafter. Fasten using 3 HBS Ø 8 mm screws long enough to comply with the minimum penetration depth value. Warning, the screws must penetrate centrally to the rafter.

|  |                                                          |
|--|----------------------------------------------------------|
|  | Installation on wood roof with batten and counter batten |
|  | Installation on wood roof with boarding                  |
|  | Installation on concrete roof with wooden structure      |

## INSTALLATION ON CONCRETE ROOFS:

A statically stable sub-base is an indispensable premise. In doubt, a calculation expert must be called in.

**Choose Rothoblaas HOOKs of height suitable for passing through insulation material, where present!**

Position the Rothoblaas HOOK directly on the concrete surface and fasten it using any one of the following methods:

### 1) HEAVY ANCHOR FOR CONCRETE

2 anchors FE210475 - 10 x 112 mm  
Minimum concrete quality: C 20/25  
Minimum concrete thickness: 120 mm  
Hole depth: 100 mm  
Tightening torque: 35 Nm

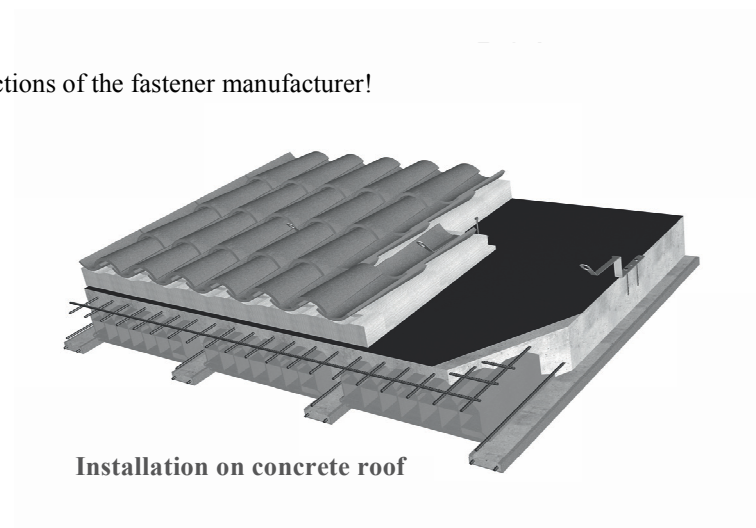
### 2) SCREW-IN ANCHOR FOR CONCRETE SKR

2 anchors SKR1080 - 10 x 80 mm or longer  
Minimum concrete quality: C 20/25  
Minimum concrete thickness: 110 mm  
Hole depth: 90 mm  
Tightening torque: 25 Nm

### 3) CHEMICAL ANCHOR VINYLESTER RESIN FE400055-FE400056 WITH THREADED BAR

2 threaded bars FE210105 - 10 x 110 mm with nut and washer  
Minimum concrete quality: C 20/25  
Minimum concrete thickness: 100 mm  
Hole diameter/depth: 12 x 70 mm  
Tightening torque: 20 Nm

Follow the original instructions of the fastener manufacturer!



## REMARKS

All of the information and illustrations shown in this document are solely indicative and refer to the current state (see rev. date). Rothoblaas shall not be held responsible for any printing errors, incomprehension, incorrect interpretation, etc. therein or thereof and is not liable for any changes or future developments in relating standards, laws, etc..

Statement of correct installation of permanent fall-protection devices

With regard to the installation of the anchor devices for protection against falls installed on the building located in:

City:

Prov.:

Address:

No.:

The undersigned: First name:

Last name:

Legal representative of the company:

Address of head office:

No.:

City:

Postal code:

Prov.:

Declares that the devices

| EN 795                            | Quantity | Model | Manufacturer | Serial No./Year |
|-----------------------------------|----------|-------|--------------|-----------------|
| Class A1 <input type="checkbox"/> |          |       |              |                 |
| Class A2 <input type="checkbox"/> |          |       |              |                 |
| Class C <input type="checkbox"/>  |          |       |              |                 |
| Class D <input type="checkbox"/>  |          |       |              |                 |

| Fastening element | Sub-base size/quality | Installation depth | Ø hole | Tightening torque |
|-------------------|-----------------------|--------------------|--------|-------------------|
|                   |                       | mm                 | mm     | Nm                |

have been correctly installed as per the indications of the manufacturer and as per the provisions of standard EN 795 appendix A

The anchor devices have been positioned on the roof as per the attached plan prepared by:

Architect/Engineer/Surveyor

According to the instructions provided in the calculation report prepared by:

Architect/Engineer/Surveyor

The characteristics of the anchor device, the instructions regarding their correct use, the inspection sheets have been filed with:

- ☐ the owner of the building
- ☐ the building manager

The notice-plate for fall protection systems is posted:

- ☐ Near every roof access point
- ☐ .....



Date of first system start-up:

Date of first inspection:

Date:

The Installer (stamp and signature):

The owner shall keep the equipment installed in good working condition in order to maintain their necessary solidity and resistance in time. Maintenance shall be performed by qualified personnel and carried out according to the procedures and time schedules indicated by the manufacturer.

# INSPECTION REPORT

|                                                            |                                                   |
|------------------------------------------------------------|---------------------------------------------------|
| PROJECT:                                                   |                                                   |
| PRODUCT:                                                   | SERIAL No.:                                       |
| PERIODICAL SYSTEM CHECK PERFORMED ON:                      |                                                   |
|                                                            |                                                   |
| POINTS TO BE CHECKED:                                      | DEFECT FOUND (Defect description/ Measures taken) |
| DOCUMENTATION                                              |                                                   |
| <input type="checkbox"/> Instructions for assembly and use |                                                   |
| <input type="checkbox"/> Statement of correct installation |                                                   |
| <input type="checkbox"/> Reports on fastening elements     |                                                   |
| <input type="checkbox"/> Photo gallery                     |                                                   |

|                                                  |  |
|--------------------------------------------------|--|
| VISIBLE PARTS OF THE ANCHOR DEVICE               |  |
| <input type="checkbox"/> No warping              |  |
| <input type="checkbox"/> No corrosion            |  |
| <input type="checkbox"/> Screw connections tight |  |
| <input type="checkbox"/> Stability               |  |
| <input type="checkbox"/>                         |  |

|                                       |  |
|---------------------------------------|--|
| ROOF WEATHERPROOFING                  |  |
| <input type="checkbox"/> No damage    |  |
| <input type="checkbox"/> No corrosion |  |

Expected date of next inspection: \_\_\_\_\_

**Inspection result:**  
The safety installation is compliant with the manufacturer’s instructions for assembly and use and with the state of the art.  
It is hereby confirmed that the installation is reliable in terms of safety.

**Remarks:**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Name and signature of the expert who is familiar with safety systems:**  
  
Name: \_\_\_\_\_ Signature: \_\_\_\_\_