

INNOTECH LOCK-13



Instruction manual

DE – ACHTUNG: Die Verwendung des INNOTECH-Produkts ist erst zulässig, nachdem die Gebrauchsanleitung in der jeweiligen Landessprache vollständig gelesen und verstanden wurde.

EN – ATTENTION: Use of the INNOTECH product is only permitted after the instruction manual has been read and fully understood in the respective language.

IT – ATTENZIONE: L'utilizzo del prodotto INNOTECH è permesso solo previa lettura e comprensione dell'intero manuale di istruzioni nella lingua del relativo paese di utilizzo.

FR – ATTENTION : L'utilisation du produit INNOTECH n'est autorisée qu'après avoir entièrement lu et compris la notice d'utilisation dans la langue du pays concerné.

NL – ATTENTIE: Dit INNOTECH-product mag pas gebruikt worden nadat u de gebruikershandleiding in de taal van het betreffende land gelezen en begrepen hebt.

ES – ATENCIÓN: Se autorizará el uso de los productos INNOTECH una vez que se hayan leído y entendido las instrucciones de uso en el idioma del país.

PT – ATENÇÃO: O uso do produto INNOTECH apenas é permitido depois de ter lido e compreendido na totalidade as instruções de uso na respetiva língua nacional.

DK – GIV AGT: Du må først bruge et produkt fra Innotech, efter du har læst og forstået brugsvejledningen i fuldt omfang i dit lands sprog.

SV – O B S : Denna INNOTECH-produkt får inte användas förrän bruksanvisningen på respektive lands språk har lästs igenom och förstått.

CZ – POZOR: Práce s výrobkem INNOTECH je povolena teprve po kompletním přečtení a porozumění návodu k použití v jazyku daného státu.

PL – UWAGA: Produkty firmy INNOTECH mogą być używane dopiero po dokładnym zapoznaniu się z całą instrukcją obsługi w ojczystym języku.

SL – POZOR: Uporaba izdelka INNOTECH je dovoljena šele po tem, ko ste navodila prebrali v celoti v ustreznem jeziku svoje dežele in jih tudi razumeli.

SK – POZOR: Produkt INNOTECH môžete používať až po prečítaní a porozumení celého návodu na použitie pre príslušnú krajinu.

HU – FIGYELEM: Az INNOTECH termékek használata csak azt követően engedélyezett, hogy saját nyelvéen elolvasta és megértette a teljes használati utasítást.

TR – DİKKAT: INNOTECH ürününün kullanımına ancak ilgili ülkenin dilinde sunulmuş olan kullanım kılavuzunun tamamen okunmasından ve anlaşılmasından sonra izin verilir.

ZH – 注意: 只有在仔细阅读并完全理解了当地语言的使用说明后, 才能使用 INNOTECH 公司的产品。

DE

EN

IT

FR

NL

ES

PT

DK

SV

CZ

PL

SL

SK

HU

TR

ZH

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Warning/danger information

For an IMMEDIATE threat of danger that can cause serious physical injuries or death.



For a POTENTIALLY dangerous situation that can cause serious physical injuries or death.



For a POTENTIALLY dangerous situation that could lead to minor physical injuries and damage to property.



Wear protective gloves!



Wear safety spectacles!



Additional Information/Notice



correct



incorrect



Comply with manufacturer information/instruction manual.

The following safety instructions and the latest technological standards must be taken into account.

3.1 GENERAL

- The safety system may only be assembled according to the latest technological standards and by an appropriately trained, competent professional who is familiar with the safety system.
- The protective equipment may only be used by people who
 - are trained in the use of PPE (Personal Protective Equipment).
 - are physically and psychologically fit. Medical conditions such as cardiovascular problems, intake of medicines, consumption of alcohol, etc. negatively affect the safety of the user.
 - are familiar with the locally applicable safety regulations.
- All applicable accident prevention regulations (e.g. for working on roofs) must be observed during installation / use of the safety system.
- To understand and accept the possibilities, limitations and risks associated with the use of the protective equipment.
- A plan must be available which includes rescue measures for all possible emergencies.
- Before works begin, measures must be taken to ensure that no objects can fall down from the workspace. The area under the workspace (pavement, etc.) is to be kept clear.
- The anchor point should be planned, installed and used in such a way that proper use of the personal protective equipment makes falling over the edge impossible. (See planning documents at www.innotech.at)
- The positions of the anchor points are to be visibly documented (e.g. with a sketch of the rooftop) at the access point to the roof safety system.
- If, after the acceptance of the safety system, renovation work is undertaken in its immediate vicinity, it must be established that this renovation has no impact on the safety of the installed safety system! In case of doubt, a structural engineer or the manufacturer must be consulted.
- After being subjected to the stress of a fall, the entire safety system is to be taken out of operation and inspected by a qualified professional (component parts, fastenings to the substructure, etc.).
- The safety system must not be altered in any way.
- On slanted roofs, the proper snow-catching features must be added to prevent ice or snow from sliding from the roof surface.

- If access to the safety system is granted to external contractors, their familiarity with this user manual is to be confirmed in writing.
- Should the equipment be sold to a customer abroad, the user manual is to be provided in the appropriate local language!
- Local lightning protection regulations are to be observed.

3.2 FOR INSTALLERS: FOR SAFE ASSEMBLY

- All stainless steel screws are to be treated with a suitable lubricant before assembly (included: Weicon AntiSeize ASW 10000 or equivalent).
- Stainless steel may not come into contact with sanding dust or steel tools, as this can lead to corrosion.
- Proper fastening of the safety system must be documented with fastening reports and photos of the respective circumstances of installation.
- Installers must ensure that the substructure is appropriate for the fastening of the anchoring materials. In case of doubt, consult a structural engineer.
- The roof covering must be sealed according to the appropriate regulations.
- Also for the usage outside. The product must not be used when the outside is exposed to weather conditions.



Should any confusion arise during installation, the manufacturer must be contacted.

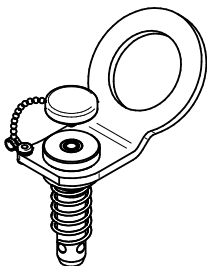
3.3 FOR USERS: FOR SAFE USE

- The minimum free space necessary under the edge is calculated as follows: Deformation of the anchor device in case of stress + manufacturer's specification of the personal protective equipment used, including deflection of the cable + body height + 1 m safety margin.
- Correct use of the individual elements including personal protective equipment must be ensured, because otherwise the safe functioning of the safety system is NOT guaranteed.
- Attachment to the eye bolt is always made with one carabiner and this must be used with personal protective equipment in accordance with EN 361 (safety harness) and EN 363 (fall arrest system).
- **ATTENTION!** For horizontal use, only lanyards may be used that are suited for this purpose and have been tested for the respective edges (sharp edges, trapezoidal sheeting, steel girders, concrete, etc.).
- Do NOT use fall arrest systems if wind speeds exceed normal parameters.
- The fall protection system must NOT be used by children or pregnant women.

A



B



A) **Instruction manual**

B) **EAP-LOCK-13 preassembled:** Stainless steel AISI 304, Aluminium, brass

INNOTECH „EAP-LOCK-13“ has been developed as an **anchorage point** for **2 people** (including 1 person for first aid) and is suitable for the following fall protection systems according to EN 363:2008:

- Workplace positioning systems
- Fall arrest systems
- Rescue systems



DANGER TO LIFE through incorrect use.

- INNOTECH-LOCK must be used **ONLY** for personal safety.
- **NEVER** hang loads from the INNOTECH-LOCK which are **NOT** expressly approved in these user instructions.



Comply with the manufacturer's instructions for the personal protective equipment which is used.

INNOTECH „EAP-LOCK-13“ has been tested and certified in accordance with **EN 795:2012 TYP B**.

The notified authority participating in the type test:
DEKRA EXAM GmbH, Dinnendahlstr. 9, 44809 Bochum

6.1 CHECK BEFORE EVERY USE

Prior to each use, INNOTECH-LOCK must be inspected visually for any obvious defects.

**DANGER TO LIFE through damage to the INNOTECH-LOCK:**

- INNOTECH-LOCK must be in perfect working condition.
- Do NOT continue to use INNOTECH-LOCK if
 - Damage or wear to its components is obvious,
 - Other defects were observed (loose screwed connections, deformation, corrosion, wear, etc.),
 - Strain occurred due to a fall (exception: first aid administration).
 - The product identification is illegible.

Check the entire fall protection system's suitability for use, by using the acceptance protocol and test protocol.



**If there are any doubts concerning the safe usage of the system, it is NOT allowed to be used anymore and has to be checked by an expert (written documentation).
If necessary, replace the product.**

6.2 INSPECT EVERY YEAR

INNOTECH-LOCK has to be inspected at least once a year by a specially trained technician who is familiar with the fall protection system. The user's safety depends on the effectiveness and durability of the equipment.

Shorter intervals between inspections may be required, depending on the intensity of use and the environment (e.g. in corrosive atmospheres, etc.).

Document the inspection of the specialist in the test log in the instruction manual, and keep it with the instruction manual.



Use the test intervals indicated in the test protocol.

7

WARRANTY

The warranty period for manufacturing defects on all components (under normal conditions of use) is 2 years from the date of purchase. The time limit is shortened if it is used in corrosive atmospheres.

If there is strain (a fall, weight of snow, etc.,) the warranty claim is void for those components that have been designed to absorb energy, or that may possibly be deformed.



For system installation and for components planned and installed under the responsibility of specialised installation companies, INNOTECH® assumes neither responsibility nor warranty in the case of incorrect installation.

8

SIGNS & MARKINGS

A) Name or logo of the manufacturer/retailer:

INNOTECH®

B) Type designation:

EAP-LOCK-13

C) Signs stating that instructions for use must be followed:



D) Maximum number of people who can be secured:

2 (including 1 person for first aid administration)

E) Year of manufacture and manufacturer's serial number:

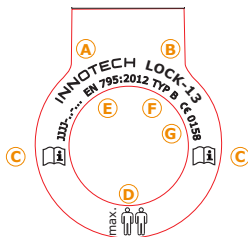
JJJJ-...-...

F) Number of the applicable norm:

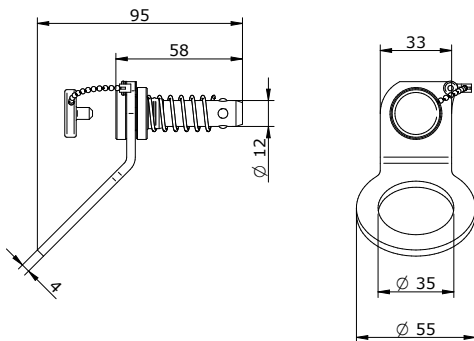
EN 795:2012 TYP B

G) CE conformity marking:

CE 0158



[mm]



[mm]

10.1 CONCRETE

The basic prerequisite for a correct installation is structurally load-bearing **construction concrete (solid concrete)** with a concrete quality of at least **C20/25** and use of the original fasteners listed in this instruction manual.

DANGER TO LIFE as a result of installation on unsuitable assembly substructure.



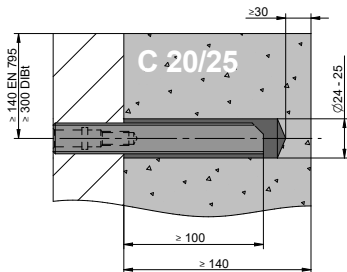
- Install INNOTECH-LOCK in structurally load-bearing construction concrete (solid concrete) with a concrete quality of at least C20/25
- **DO NOT install on screed, levelling concrete, blinding concrete etc...**
- If in doubt, consult a structural engineer or contact the manufacturer.

AUTHORIZED ADHESIVES:**INJECTION MORTAR**

FISCHER (injection mortar) FIS SB 390 S

(INNOTECH „MONT-FIS-SB-390-S“)

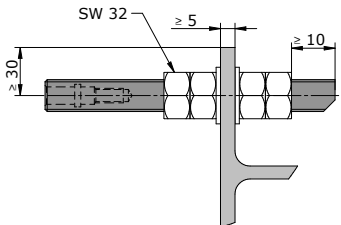
or

HILTI HY 200*Not contained in the scope of delivery!***10.2 STEEL CONSTRUCTION**

The basic prerequisite for a correct installation is structurally load-bearing **steel construction** with a min. steel cross-section of **5 mm** and use of the original fasteners listed in this instruction manual.

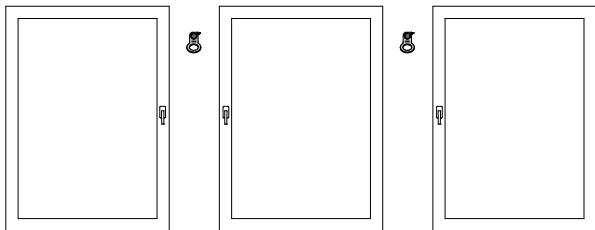
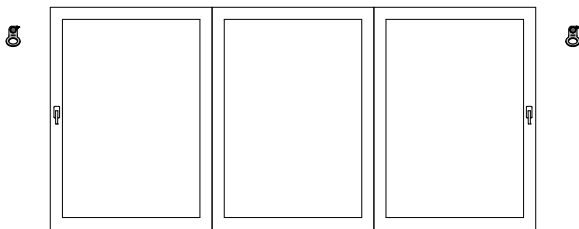
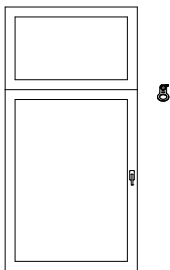
DANGER TO LIFE as a result of installation on unsuitable assembly substructure.

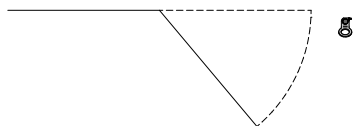
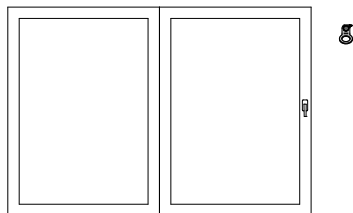
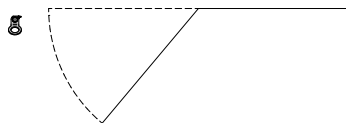
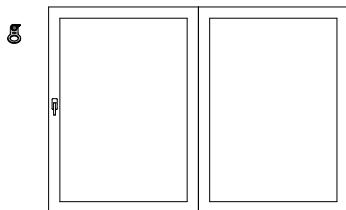
- Install INNOTECH-LOCK in a structurally load-bearing steel construction (steel girder with a min. steel cross-section of 5 mm).
- If in doubt, consult a structural engineer or contact the manufacturer.



Installation arrangement according to the illustration and to the requirement of the single anchor points (e.g. roof exit, chimney, solar system etc.) or according to the national legislation or based on DIN 4426.

Additional planning recommendations on www.innotech.at





**RISK TO LIFE if NOT correctly installed.**

- Properly install INNOTECH „LOCK“ as specified in the instruction manual.
- Keep edge spacings.

**INJURIES from sharp edges on components.**

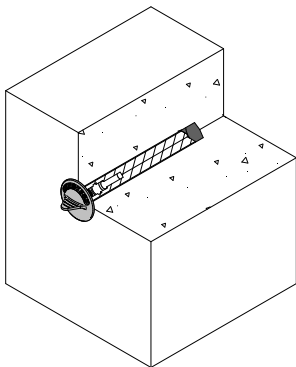
- Wear protective gloves for the installation work.



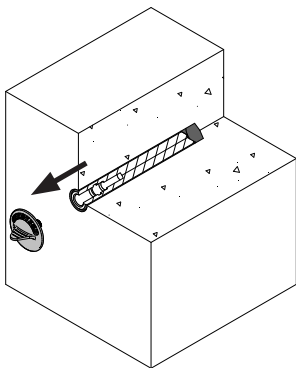
12 INSTALLATION

12.1 INNOTECH „EAP-LOCK-13“

1.

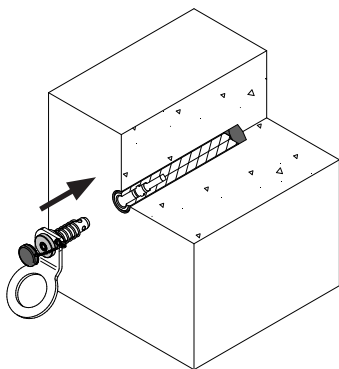


2.

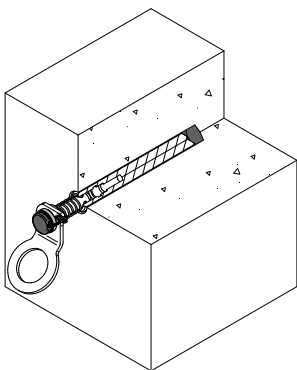


12 INSTALLATION

3.

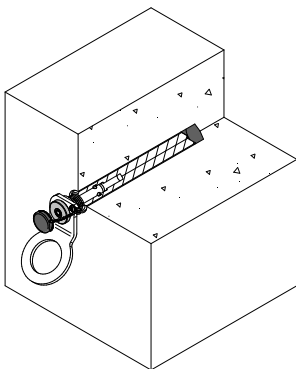


4.



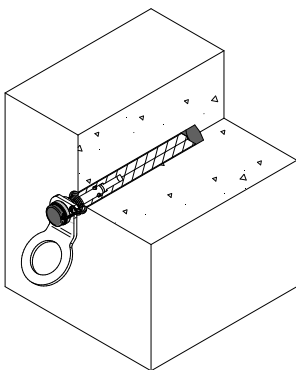
12 INSTALLATION

5.



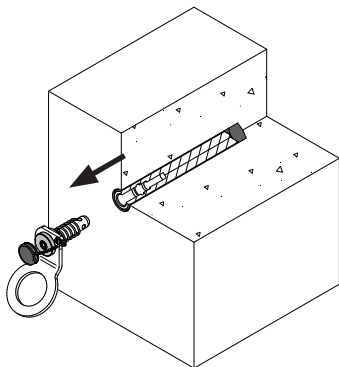
EN

6.

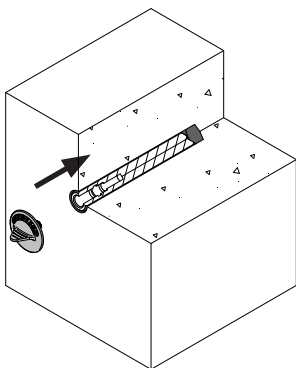


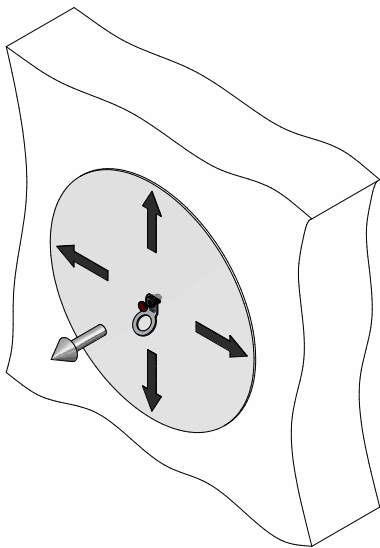
12 INSTALLATION

7.



8.





DANGER TO LIFE when used in **UNAPPROVED** load directions.

- Only use INNOTECH „LOCK“ in the approved load directions.

Do NOT dispose the safety system in the house waste.
As per national requirements, gather together the used parts, and dispose of them environmentally correctly.

15 COPY TEMPLATE ACCEPTANCE LOG

ACCEPTANCE LOG NO. _____ (PART 1/2)

L O C K - 1 3

ORDER NUMBER: _____

PROJECT: _____

CLIENT: _____ Specialist: _____ 

Company address: _____

CONTRACTOR: _____ Specialist: _____ 

Company address: _____

INSTALLATION: (please tick as appropriate!)

EAP (single anchor points)

ANCHOR POINTS of a horizontal lifeline system as per EN 795:2012 TYPE C

Specialist: _____ 

Company address: _____

OPTIONAL: when setting up a horizontal lifeline system in accordance with
EN 795:2012 TYPE C

Installation of the anchor points by: _____

Installation of the lifeline system by: _____

15 COPY TEMPLATE ACCEPTANCE LOG

ACCEPTANCE LOG NO. _____ (PART 2/2)

L O C K - 1 3

FASTENER & PHOTO DOCUMENTATION

PRODUCT: Pcs. _____ Year of construction/Serial number: _____
(Type designation EAP / anchorage point)

Installation substructure: _____

(e.g.: solid concrete quality: C20/25, wood rafter dimension, for sheet metal roofs: roof manufacturer, profile, material, sheet metal thickness, etc.)

Date:	Location:	Dowel type: BEF/Sticker?/ Designation	Setting depth: [mm]	Drill bit Ø: [mm]	Torque:	Photos: (storage location)
			mm	mm	Nm	
			mm	mm	Nm	

The installation company who signs warrants correct workmanship (edge spacing, inspection of the substructure, proper cleaning of bores, compliance with curing times and processing temperature, compliance with the dowel manufacturer's guidelines, etc.)

The client accepts the work performed by the contractor. The user instructions, documentation of the fastenings, and photo documentation and test logs have been transferred to the client (building owner) and have been made available to the user.

When accessing the restraint system, the building owner must document the positions of the attachment devices by means of diagrams (e.g. top view of the roof).

The expert fitter familiar with the restraint system confirms that the installation work has been executed properly, as per the state of the art, and in accordance with the manufacturer's instruction manual. The technical safety reliability is confirmed by the installation company.

Handover of: (e.g: personal protective equipment PPE, fall arrest devices HSG, storage cabinet, etc.)

Pcs. _____ Pcs. _____ Pcs. _____ Pcs. _____

Included in lightning protection system? YES NO

Comments: _____

Name: _____

Client

Inspection: Contractor (expert who is familiar with the fall protection system)

Date, company stamp, signature

Date, company stamp, signature

**INFORMATION ON THE EXISTING
FALL PROTECTION SYSTEM**

The building owner must affix this notice in a conspicuous location at the access point to the system.

This system must be used in accordance with the state of the art and the instruction manual.

The storage location for the instruction manual, test logs, etc. is:

- Overview plan showing the position of the side protection system:

Draw in the areas where there is a break-through hazard (e.g. light domes and/or roof lights).

The maximum limit values of the anchorage devices are to be found in the respective instructions and on the rating plate of the fall protection system.

If there is strain caused by fall, or if in doubt, the anchorage device must be taken out of service immediately and sent to the manufacturer, or to a specialised workshop for inspection and repair.

This applies if there is damage to the anchorage equipment.

TEST LOG NO. _____ (PART 1/2)

L O C K - 1 3

ORDER NUMBER: _____

PROJECT: _____

PRODUCT: Item _____ Year of construction/Serial number: _____

(Type designation EAP/anchorage point)

ANNUAL SYSTEM INSPECTION EXECUTED ON: _____

LATEST DATE FOR NEXT ANNUAL SYSTEM INSPECTION: _____

CLIENT: _____ Specialist: _____ 

Company address: _____

CONTRACTOR: _____ Specialist: _____ 

Company address: _____

INSPECTION POINTS:	DEFECTS DETECTED: (Description of defects/measures)
<input checked="" type="checkbox"/> checked and in order!	
DOCUMENTATION:	
<input type="checkbox"/> Instruction manual	
<input type="checkbox"/> Acceptance logs/documentation of the anchorage/ photo documentation	
PPE (personal protective equipment against falls from a height): Inspection in accordance with manufacturer's specifications	
<input type="checkbox"/> Expiration date	
<input type="checkbox"/> Annual inspection performed	
<input type="checkbox"/> Not checked (no authorisation)	
DACHEINDICHTUNG:	
<input type="checkbox"/> No damage	
<input type="checkbox"/> No corrosion	
<input type="checkbox"/>	

TEST LOG NO. _____ (PART 2/2)

L O C K - 1 3

ORDER NUMBER: _____

PROJECT: _____

INSPECTION POINTS:

checked and in order!

DEFECTS DETECTED:

(Description of defects/measures)

VISIBLE PARTS OF THE ANCHORAGE DEVICE:

No deformation

No corrosion

Firmly seated

Threaded joints secured

Tightening torque of the fastening bolts

Mobility of the attached parts (EAP, SZH, EDLE, etc)

HORIZONTAL LIFELINE SYSTEM:

Attention:

For horizontal lifeline systems the test log of the ALLinONE-TYPE instruction manual (see copy template in the instruction manual) must be filled out!

Acceptance result: The fall protection system corresponds to the specifications in the manufacturer's instruction manual and to the state of the art. Technical safety reliability is confirmed.

Comments: _____

Name: _____
Client

Inspection: Contractor (expert who is familiar with the fall protection system)

Date, company stamp, signature

Date, company stamp, signature

INNOTECH® Arbeitsschutz GmbH, Laizing 10, 4656 Kirchham/Österreich
www.innotech.at

