



INSTALLATION AND OPERATING MANUAL



ENGLISH

ACHTUNG:

Die Montage und die Verwendung der Sicherungseinrichtung ist erst zulässig, nachdem der Monteur und der Anwender die Original Aufbau- und Verwendungsanleitung in der jeweiligen Landessprache gelesen haben.

ATTENTION:

Assembling and using of the safety product is only allowed after the assembler and user read the original installation and application instruction in his national language.

Attention!:

Le montage et l'utilisation du dispositif de sécurité ne sont autorisés qu'après lecture par le monteur et par l'utilisateur de la notice d'origine de montage et d'utilisation dans la langue du pays concerné.

Attenzione:

Il montaggio e l'uso del dispositivo di sicurezza è ammesso soltanto dopo che il montatore e l'utente hanno letto le istruzioni per l'installazione e l'uso nella rispettiva lingua nazionale.

ATENCIÓN:

No está permitido montar ni usar el dispositivo de protección antes de que el montador y el usuario hayan leído las instrucciones de montaje y uso originales en la lengua del respectivo país.

Atenção:

A montagem e o emprego do mecanismo de proteção somente serão permitidos, após o montador e o usuário terem lido as instruções de uso originais, no respectivo idioma do país, sobre a montagem e o emprego do mesmo.

Attentie:

De montage en het gebruik van de veiligheidsinrichting is pas toegestaan, nadat de monteur en de gebruiker de originele montage- en gebruikershandleiding in de desbetreffende taal gelezen hebben.

Figyelem:

A biztonsági berendezés felszerelése és használata csak az után megengedett, miután a szerelést végző és a használó személyek a nemzeti nyelvükre lefordított, eredeti használati utasítást elolvasták és megértették.

Pozor!

Montaža in uporaba varnostnih naprav je dovoljena šele takrat, ko sta monter in uporabnik prebrala originalna navodila za montažo in uporabo v konkretnem jeziku.

POZOR:

Montáž a používání zabezpečovacího zařízení jsou povoleny až poté, co si pracovníci provádějící montáž a uživatelé přečetli v příslušném jazyce originální návod k montáži a používání.

DİKKAT!:

Güvenlik tertibatının montajına ve kullanımına, ancak montaj teknisyeni ve kullanıcı, orijinal kurulum ve kullanma talimatını kendi ülke dilinde okuduktan sonra, izin verilir.

Obs! :

Monteringen og anvendelsen av sikkerhetsinnretningene er gyldige først etter at montøren og brukeren har lest den originale oppbygnings- og bruksanvisningen i det tilsvarende landets språk.

O B S :

Säkerhetsanordningen får inte monteras och användas förrän montören och användaren har läst igenom konstruktionsbeskrivningen och bruksanvisningen i original på resp lands språk.

Huomio:

Turvalaitteiden asennus ja käyttö on sallittu vasta, kun asentaja ja käyttäjä ovat lukeneet alkuperäisen asennus- ja käyttöohjeen omalla kielellään.

GIV AGT:

Montagen og brugen af sikkerhedsudstyret er først tilladt, efter at montøren og brugeren har læst den originale vejledning i samling og brug på det pågældende lands sprog.

UWAGA:

Montaż i użytkowanie urządzenia zabezpieczającego dozwolone jest wtedy, gdy monter i użytkownik przeczytają oryginalną instrukcję montażu i użytkowania w swoim języku.

DEUTSCH

ENGLISH

FRANÇAIS

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NORSK

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INSTALLATION AND OPERATING MANUAL



SAFETY INSTRUCTIONS

- INNOTECH-POINT should only be installed by competent experts who are familiar with the roof safety system.
- You must be familiar with these instructions, as well as with the local safety regulations as a prerequisite for installing and using the system. You must also be physically and mentally fit and trained in the use of PSE (Personal Safety Equipment) .
- Medical conditions (cardiovascular problems, intake of medicines, alcohol) can affect the safety of the user when working in high places.
- Adhere to the respective accident prevention regulations (e.g. working on roofs) when installing/using the INNOTECH-POINT anchorage device.
- A plan must be available that specifies rescue procedures for all possible emergencies.
- Before starting work, ensure that no objects can fall to the ground from the work site. The area below the work site (sidewalk, etc.) must be kept clear.
- The fitters must ensure that the substrate is suitable for fastening the anchorage device. If in doubt consult a structural engineer.
- The anchorage device on the roof is designed for stress in all directions parallel to the installation surface or at right angles to the anchor.
- If uncertainties arise during installation it is imperative that you contact the manufacturer.
- The roof covering must be properly sealed in accordance with applicable guidelines.
- Document the professional fastening of the fall arrest system to the building with photos of each fitting situation.
- Ensure that stainless steel does not come into any contact with swarf or steel tools, as this may lead to corrosion.
- All stainless steel bolts must be greased with a suitable lubricant before installation.
- Plan, install, and use the anchorage point in such a manner that no one can fall over the edge if the personal safety equipment is used properly (see planning documents at www.innotech.at).
- At the access to the roof safety system you must document the positions of the anchorage devices by means of diagrams (e.g. view of the roof from above).
- The minimum free space necessary between the edge and the ground is calculated as follows:
Manufacturer's specification of the personal safety equipment used including deflection of the rope + body height + 1 m safety margin

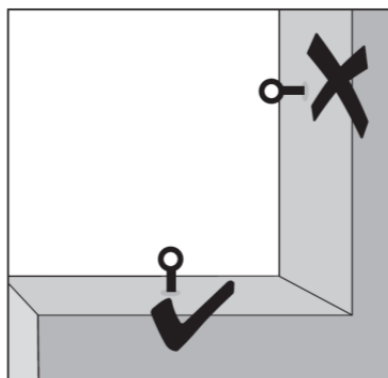


INSTALLATION AND OPERATING MANUAL



SAFETY INSTRUCTIONS

- Fastening to the INNOTECH-POINT system is executed through the eyebolt and always requires a carabiner. It must be used with a personal protective equipment in accordance with EN 361 (full body harness) and EN 363 (fall arrest system).
 - Attention: For horizontal implementation, only use rope that is suited for this purpose and that has been tested for the respective edges (sharp edges, corrugated sheeting, steel girders, concrete, etc.).
 - There is a hazard when combining individual elements of the specified units, since the safe function of one of the elements can be impaired through the combination. (Follow the specific instructions provided with each element!)
 - Before use, you must visually inspect the entire restraint system for obvious defects (e.g. loose screws, deformation, abrasion, corrosion, defective roof covering, etc.). If there are any doubts concerning the safe function of the restraint system, it must be inspected by an expert (written documentation).
 - At least once a year an expert must inspect the complete safety device. The inspection by the expert must be documented on the provided control card.
 - After a fall and the resulting strain, you must stop using the restraint system and have it checked by an expert (component parts, fastening to the substrate, etc.).
 - The INNOTECH-POINT system has been developed for personal safety and should not be used for other purposes. Never attach undefined loads to the restraint system.
 - At wind forces of more than the usual strength safety systems are not allowed to be used.
 - Do not make any changes to the enabled anchorage device.
 - If used on sloping roofs, roof avalanches (ice, snow) must be avoided by means of suitable devices to intercept snow.
 - If you provide the restraint system to external contractors, the instruction manuals must be handed over in writing.
 - Only suitable for singular installation! Do not use again after disassembly!
 - If the equipment is sold in other countries, the instructions for installation and use must be provided in the respective national language!
 - Do not continue to use INNOTECH-POINT if the product identification is illegible.
- + INNOTECH-POINT has been tested in accordance with EN 795:2012 TYP A and should only be used as anchorage point on a flat roof or low-pitched roof.
- ATTENTION:** INNOTECH-POINT should not be installed in horizontal position (e.g. in facades) or on the underside of ceilings (overhead).



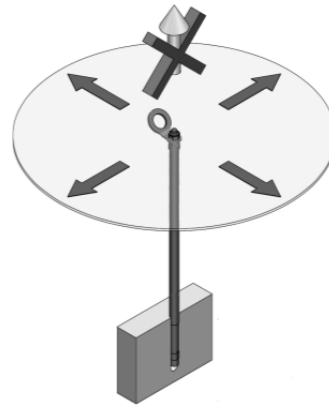
APPLICATION

As anchorage point on a flat roof or slightly inclined roof for **3 people** (1 person incl. for first-aid purposes) with personal protective equipment according to EN 361 (full body harness) and EN 363 (fall arrest system).

LOAD DIRECTIONS

When installing / using the fall prevention system, pay attention to the approved load directions!

Loads in "X" direction are not permitted!



STANDARDS

INNOTECH POINT has been tested and certified in accordance with **EN 795:2012 TYP A & CEN/TS 16415:2013.**

FUNCTION

The INNOTECH POINT single anchorage point is easily installed.

In concrete: DRIVE HOME and TIGHTEN:

DRILL – CLEAN the bore - DRIVE HOME at least to the marking – TIGHTEN with TORQUE 40 Nm– INSPECT – COMPLETE

MATERIAL

INNOTECH POINT is made of stainless steel, quality 1.4301 IIA

SIGNS AND MARKINGS

A PSE warning must be affixed that contains the following information:

- Type designation:
- Number(s) of the applicable standard(s):
- Name or logo of the manufacturer/reseller:
- Manufacturer's serial number and year of manufacture:
- Signs stating that the instructions in the manual must be followed:

INNOTECH POINT-12
 EN 795:2012 TYP A &
 CEN/TS 16415:2013
 INNOTECH
 xxxx / 20xx



DIMENSIONS

INNOTECH - POINT Ø 18mm
 Standard lengths 300 – 400 – 500mm, special lengths on request!

SALES AND DEVELOPMENT

INNOTECH Arbeitsschutz GmbH
 www.innotech.at

A-4656 Kirchham, Laizing 10

The notified authority participating in the type test:
 DEKRA EXAM GmbH, Dinnendahlstr. 9, D-44809 Bochum
 The type test was performed in accordance with EN 795:2012.

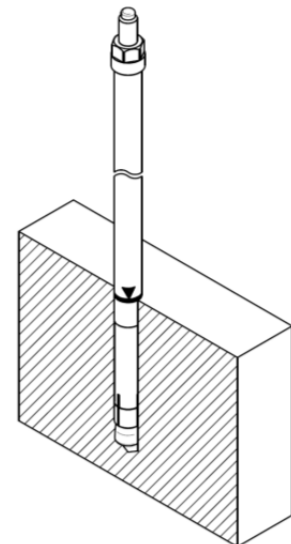
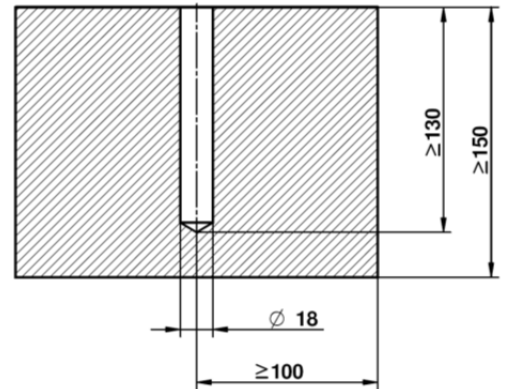
INSTALLATION

INNOTECH-POINT has been tested in accordance with EN 795:2012 TYP A and **should only be used as anchorage point on a flat roof or slightly inclined roof.**

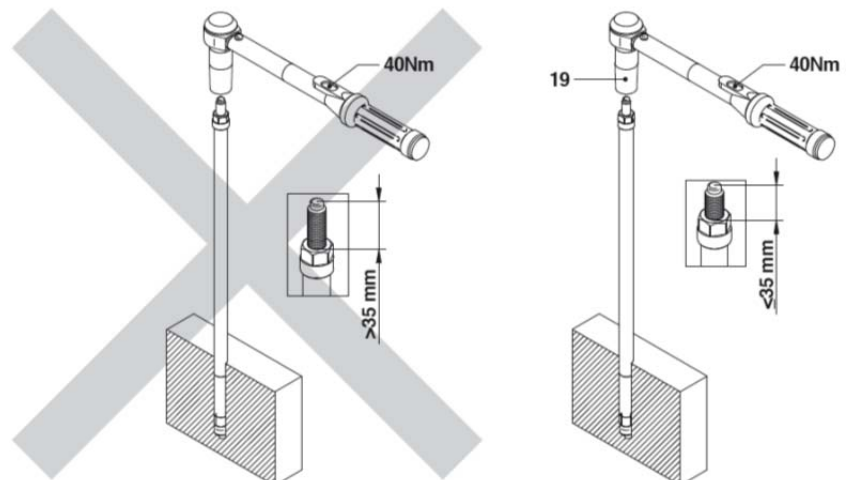
The basic prerequisites are a static bearing substructure and compliance with the installation instructions. If in doubt consult a structural engineer.

FASTENING IN CONCRETE

- **Drill a hole \varnothing 18 mm in structural concrete with a tungsten carbide drill bit at least 130 mm in depth. Concrete quality at least C16/20.**
- **Clean the bore by blowing out and brushing.**
- **Prior to driving in the INNOTECH POINT in the cleaned hole you have to heed that the locknut is not tightened and the fastening key puts no pressure on the slotted pipe.**
- **Drive home INNOTECH POINT-12 125 mm deep into the substrate, to the marking mandatory.**

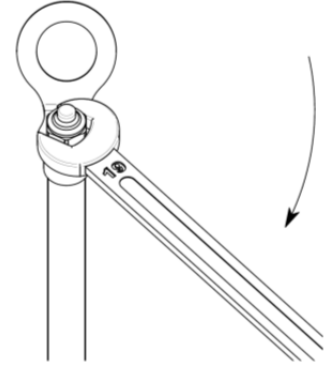


- **Tighten the Point with a torque of 40 Nm (Caution: Heed the installation manual of the dynamometric key!)**
- **Check for firm seat.**

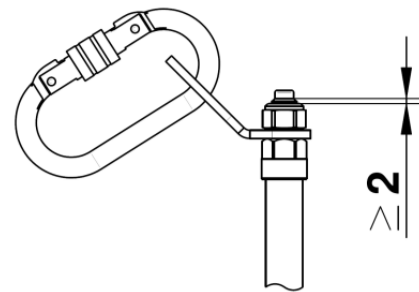


INSTALLING THE EYEBOLT (ANCHORING POINT)

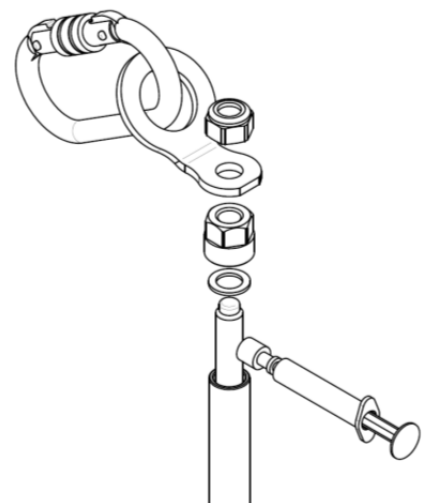
- Seal in the POINT.
- Use the M12 lock nut to fasten the eye bolt (anchorage point).



- After fastening loosen the lock nut a ¼ (quarter) turn; the anchorage point will now rotate 360° around its own axis. Check: The lock nut should free approximately min. 2 thread turns of the stud bolt. (See detail)



Attention:
The single anchorage point can be plastically deformed!



ACCEPTANCE LOG

PROJECT: _____

ORDER NUMBER: _____

CLIENT:	Specialist:
Company address: _____	
CONTRACTOR:	Specialist:
Company address: _____	
INSTALLATION OF EAP / ANCHORAGE POINTS: (Single anchorage points (EAP) or anchorage points of a horizontal lifeline system in accordance with EN 795:2012 TYP C)	
Specialist:	
Company address: _____	

FASTENER / PHOTO DOCUMENTATION

PRODUCT: <input type="text"/> units _____ Year of manufacture / serial number: _____						
(Type designation EAP / anchorage point)						
INSTALLATION SUBSTRATE: _____						
(e.g.: solid concrete quality: C16/20; timber rafter dimensions; for tin roofs: roof manufacturer, profile, material, sheet metal thickness, etc.)						
Date:	Location:	Dowel type: BEF / adhesive? / designation	Setting depth: [mm]	Drill bit Ø: [mm]	Tightening torque:	Photos: (storage location)
					Nm	
					Nm	

The undersigned installation company warrants that the dowels have been properly processed in accordance with the dowel manufacturer's guidelines. (Proper cleaning of bores, compliance with curing times and processing temperature, edge spacing of the dowels, inspection of the substrate, etc.)

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

INSTALLATION - HORIZONTAL LIFELINE SYSTEM:
Specialist:
Company address: _____
DESIGNATION - HORIZONTAL LIFELINE SYSTEM: cable system no.: _____

Client accepts the performances of the contractor. The instructions for installation and use, fastener / photo documentations and test sheets have been transferred to the client (building owner) and have been made available to the user. When accessing the roof securing system, you must document the positions of the anchorage devices by means of diagrams (e.g. top view of the roof).

The expert fitter familiar with the safety system confirms that the installation work has been executed properly, in accordance with the state of the art, and in accordance with the manufacturer's instructions for installation and use. The safety specifications for reliability are confirmed by the installation company.

Transfer of: (e.g: travelling eyebolts, personal protective equipment PPE, fall arrest devices HSG, storage cabinet, etc.)
 units _____ units _____ units _____ units _____

Comments: _____

Name: _____
Client
Fitter - EAP/ anchorage points
Fitter - horizontal lifeline system

Date, Signature _____



INSTRUCTIONS FOR THE EXISTING SAFETY SYSTEM



The building owner must affix this notice in a conspicuous location near the access to the system!

This system must be used in accordance with the state of the art and in accordance with the instructions for installation and use.

The storage location for the instructions for installation and use, test logs, etc. is:

- Overview diagram showing the position of the anchorage devices:

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

The maximum limit values of the anchorage devices are provided in the respective instructions for installation and use or the rating plate of your 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.
The same applies if there is damage to the anchorage equipment.

TEST LOG I

SINGLE ANCHORAGE POINT (EAP)

PROJECT: _____

ORDER NUMBER: _____

PRODUCT: units _____ **Year of manufacture / serial number:** _____

(Type designation EAP)

ANNUAL SYSTEM INSPECTION EXECUTED ON:

CLIENT:	<u>Specialist:</u>	
Company address:		

CONTRACTOR:	<u>Specialist:</u>	
Company address:		

INSPECTION POINTS: <input checked="" type="checkbox"/> checked and in order!	DEFECTS DETECTED: (Description of defects/ measures)
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DOCUMENTATION:

<input type="checkbox"/> Instructions for installation and use	
<input type="checkbox"/> Inspection log / fastener / photo documentation	

PPE (personal protection equipment against falling):
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)	

ROOF SEALING:

<input type="checkbox"/> No damage	
<input type="checkbox"/> No corrosion	

VISIBLE PARTS OF THE ANCHORAGE DEVICE

<input type="checkbox"/> No deformation	
<input type="checkbox"/> The attachment eye can rotate	
<input type="checkbox"/> No corrosion	
<input type="checkbox"/> Threaded joints secured	
<input type="checkbox"/> Tightening torque of the fastening bolts	
<input type="checkbox"/> Firm seat	

Attention: Strictly ensure that test log II is filled out for horizontal lifeline systems in accordance with EN 795:2012 TYP C!

Acceptance result: The lifeline system corresponds to the specifications in the manufacturer's instructions for installation and use and the state of the art. Technical safety reliability is confirmed.

Comments: _____

Name: _____ Client _____ Inspection: Contractor: _____
(Expert who is familiar with the safety system)

Date, Signature _____

INNOTECH[®] POINT-12

SALES AND DEVELOPMENT

INNOTECH Arbeitsschutz GmbH
www.innotech.at

A-4656 Kirchham, Laizing 10

