

INNOTECH SLING-10



Instruction manual

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

DE

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

EN

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.

IT

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.

FR

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

NL

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

SV

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.

DK

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.

ES

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.

PT

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

PL

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

TR

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.

SL

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

CZ

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

SK

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

HU

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。

ZH

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Warnings / Danger notices

For an IMMEDIATE danger, which could lead to severe injury or death.



For a POTENTIALLY dangerous situation, which could lead to severe injury or death.



For a POTENTIALLY dangerous situation, which could lead to injuries and property damage.

**Additional Information / Notice**

correct



incorrect



Hammer Drill



Wear protective gloves!



Wear eye protection / protective glasses



Follow the manufacturer's instructions/the respective user manuals.

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 appropriately trained, competent professionals who are familiar with the safety system.
- The system may only be installed or used by people who are familiar with this user manual and the locally applicable safety regulations, who are physically and psychologically fit, and who are trained in the use of PPE (Personal Protective Equipment).
- Health restrictions ((heart or circulatory problems, medications, alcohol consumption) can negatively impact the safety of the user while working at a height.
- All applicable accident prevention regulations (e.g. for working on roofs) must be observed during installation / use of the INNOTECH "SLING-10" attachment device.
- 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 SAFE INSTALLATION

- 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.
- The roof covering must be sealed according to the appropriate regulations.
- Installers must ensure that the substructure is appropriate for the fastening of the anchoring materials. In case of doubt, consult a structural engineer.

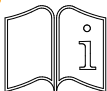


Should any confusion arise during installation, the manufacturer must be contacted.

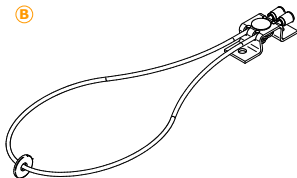
3.3 FOR SAFE USE

- 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.
- Combining individual elements of the equipment mentioned could lead to danger in case one of the elements' safety provision is interfered with by another element. (Consult the respective user manuals!).
- Attachment to the fall protection system is completed with a carabiner and must be used with personal protective equipment in accordance with EN 361 (safety harness) and EN 363 (fall arrest system).
- 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) SLING-10: Galvanised steel, stainless steel AISI 304

INTENDED APPLICATION

INNOTECH "SLING-10" was developed as an **anchor point** for the personal safety of **2 persons** (including 1 person for first aid administration) and is suitable for the following fall prevention systems in accordance with EN 363:2008:

- Restraint systems
- Fall arrest systems
- Rescue systems



DANGER OF DEATH if used incorrectly.

- Use INNOTECH "SLING-10" **ONLY** for personal safety.
- **NEVER** hang loads from the INNOTECH "SLING-10" , which have not been approved in this instruction manual.



Follow the manufacturer specifications of the personal protective equipment used.

6.1 INSPECT BEFORE EACH USE

INNOTECH "SLING-10" must be checked visually before each use for any obvious defects.



DANGER OF DEATH if INNOTECH "SLING-10" is damaged.

- INNOTECH "SLING-10" must be in faultless condition.
- Do NOT use the INNOTECH "SLING-10" if:
 - damage or wear on the components is visible.
 - any other defects have been observed (loose screw connections, deformations, corrosion, wear, defective roof seals).
 - strain has occurred due to a fall (exception: first aid administration).
 - the product designation is illegible.
- Nach jeder Demontage des INNOTECH "SLING-10" ist die Anschlagereinrichtung (inkl. Schrauben) auf Beschädigungen zu prüfen (Drahtbruch, Verformungen, etc.).

Check the entire fall protection system's suitability for use with the help of the acceptance and inspection reports.



If there are any doubts concerning the reliable operation of the fall protection system, it must NOT be used until being checked by a qualified professional (with written documentation). If necessary, replace the product.

6.2 ANNUAL INSPECTIONS

INNOTECH "SLING-10" must be inspected at least once annually by a qualified professional who is familiar with the system. The safety of the user depends on the effectiveness and durability of the equipment.

Shorter inspection intervals may be necessary, depending on the intensity and environment of use (e.g. in a corrosive atmosphere, etc.).

Document the inspection by the qualified professional in the inspection report included in the instruction manual and keep it on record with the manual.



Inspection intervals are found in the inspection report.

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 term is shortened if they are used in corrosive atmospheres.

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



For system installation and for components planned and installed under the responsibility of specialised professional installation companies, INNOTECH neither assumes responsibility nor is it bound by warranty in the case of improper installation.


8

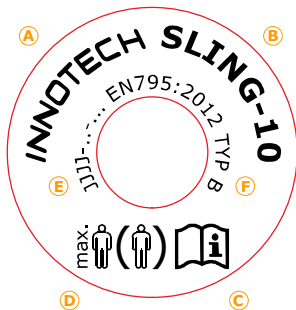
APPROVAL

INNOTECH "SLING-10" has been tested and certified in accordance with **EN 795:2012 TYPE B**.

The authority notified for the type test:

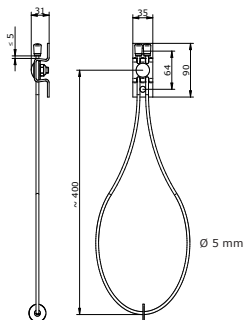
IBS-Institut für Brandschutztechnik und Sicherheitsforschung GmbH,
Petzoldstraße 45, 4020 Linz/Austria

A) Name or logo of the manufacturer/seller:	INNOTECH
B) Type designation:	SLING-10
C) Sign that the instruction manual 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 TYPE B



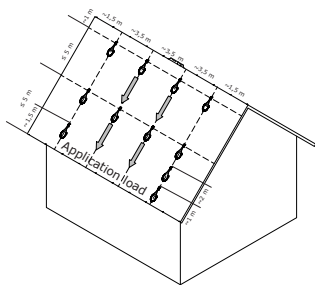
10 DIMENSIONS

[mm]



11 INSTALLATION NOTICE

[mm]



Installation configuration as pictured and according to the need for anchor points (e.g. roof exit, chimney, solar installation, etc.) or as required by local law or in accordance with DIN 4426.

Further planning recommendations www.innotech.at.

Notice: Roof entries and exits must be secured additionally!

12

INSTALLATION SUBSTRUCTURE

The prerequisite for a proper and professional installation is:

- a statically sound wood subconstruction (min. 10/12 cm or min. 8/8 cm + min. 20 mm planking) and
- the use of the original fastening elements listed in this instruction manual.



DANGER OF DEATH if installed on an unsuitable substructure.

- Ensure to ensure that a static load-bearing subconstruction is present. In case of doubt, have the installation substructure inspected by a structural engineer or the manufacturer.

13

FASTENING OPTIONS

RECOMMENDED:

- Wood construction screws: HBS (Ø 8 mm) for wood constructions
Length: 100 mm - 400 mm
Material: galvanised

NOTICE:

As different lengths of fastening screws are needed depending upon the various roof constructions, it is imperative that the minimum penetration into the load-bearing rafters is taken into account and appropriate wood construction screws are used!



Products from other manufacturers may only be used if they have equivalent technical specifications (Compare product sheets).

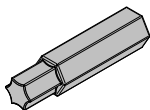
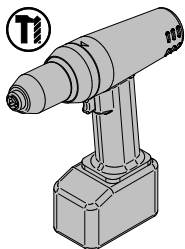


These fastening components are NOT included.

14

INSTALLATION TOOLS

[mm]



Tx = 40

15

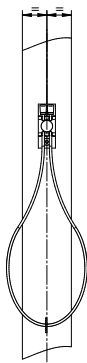
INSTALLATION

1.

[mm]

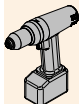


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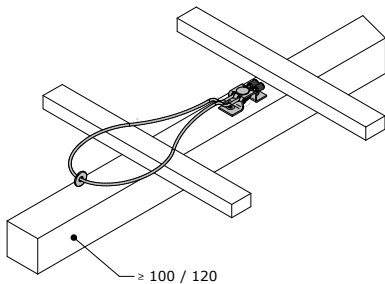


15 INSTALLATION

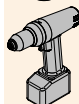
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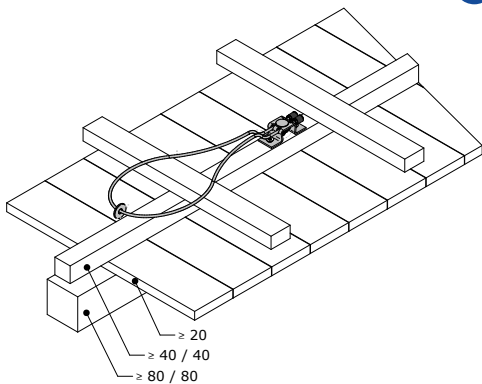
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3.

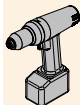


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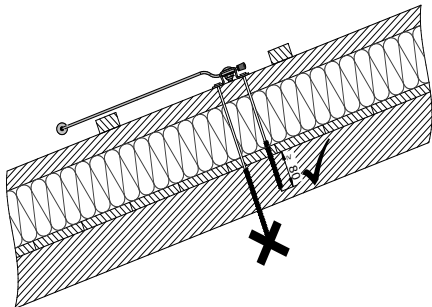


15 INSTALLATION

4.



Tx = 40



16 DISPOSAL

1.

Do NOT dispose of the fall protection system in the house waste. Following national requirements, gather the used parts and dispose of them in an environmentally responsible fashion.

ACCEPTANCE REPORT NR. _____ (PART 1/2)

S L I N G - 1 0

CONTRACT NUMBER:

PROJECT:

CUSTOMER:Specialist:

Company Address:

CONTRACTOR:Specialist:

Company Address:

INSTALLATION: (check applicable box!) **EAP** (Single anchor points) **ANCHOR POINTS** of a horizontal lifeline system as per EN 795:2012 TYP CSpecialist:

Company address:

ACCEPTANCE REPORT NR. _____ (PART 2/2)

S L I N G - 1 0

PRODUCT: Pcs. _____ Year/Serial Nr.: _____

(Type designation EAP/Attachment point)

Installation substructure: _____

(e.g.: solid concrete grade: C20/25; wood, rafter dimensions; for sheet roofs: roof manufacturer, profile, material, sheet thickness, etc.)

Datum:	Standort:	Dübelart: Befestigung/ Klebertyp	Setztiefe: [mm]	Bohrer Ø: [mm]	Fotos: (Speicherort)
			mm	mm	
			mm	mm	

The undersigned installation company ensures the correctness of their work (edge spacing, inspection of the substructure, proper cleaning of drill holes, observation of hardening times, working temperature and screw manufacturer guidelines, etc.). The customer accepts the services of the contractor. The instruction manuals, fastening documentations/ photo-documentations, and inspection reports were given to the customer (building owner) and are to be made available to the user. At the point of access to the fall prevention system, the positions of the anchor points are to be documented by the building owner by means of plans (e.g. sketches of the rooftop).

The contractor, a qualified professional who is familiar with the fall prevention system, confirms that the installation was performed correctly, up to the latest technological standards and according to the manufacturer's instruction manual. The reliability and safety is confirmed by the contracting company.

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

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

Comments: _____

Name: _____
Customer

_____ Fitter EAP / Attachment points

Date, company seal, signature

Date, company seal, signature

INFORMATION ON THE FALL PREVENTION SYSTEM

The building owner is to make this notice visible at the system access point!

Use of the system must be up to technological standards and the instruction manuals.

Instruction manuals, inspection reports, etc. are kept in:

- Overview of the area with the position of anchor point:

Areas where falling through could occur (e.g. skylights and/or strip lights) must be marked!

The maximum load capacities of the anchor points are stated in the respective instruction manuals or the type plate of the fall prevention system.

If subjected to the stress of a fall or in case of doubt, the anchor point is to be removed from use immediately and sent to the manufacturer or a qualified repair facility for inspection and repair.
This also applies to damages to the fastening components.

INSPECTION REPORT NR. _____ (PART 1/2)

S L I N G - 1 0

CONTRACT NR: _____

PROJECT: _____

PRODUCT: Pcs. _____ Year/Serial Nr.: _____

(Type designation EAP/Attachment point)

ANNUAL SYSTEM INSPECTION CONDUCTED ON: _____

ANNUAL SYSTEM INSPECTION TO BE CONDUCTED BY: : _____

CUSTOMER: Specialist: 

Company address: _____

CONTRACTOR: Specialist: 

Company address: _____

INSPECTION POINTS: <input checked="" type="checkbox"/> checked and in order!	OBSERVED DEFECTS: (Description of defect/ Measures to be taken)
DOCUMENTATION:	
<input type="checkbox"/> Instruction manual	
<input type="checkbox"/> Acceptance report / Fastening documentation / Photo-documentation	
PPE (Personal Protective Equipment for fall protection) : Inspection according to manufacturer's instructions	
<input type="checkbox"/> Date of expiry	
<input type="checkbox"/> routine annual inspection conducted	
<input type="checkbox"/> not inspected (no authorisation)	

INSPECTION REPORT NR. _____ (PART 2/2)

S L I N G - 1 0

INSPECTION POINTS: checked and in order!OBSERVED DEFECTS:
(Description of defect/ measures to be taken)

ROOF SEAL:

 no damage no corrosion

VISIBLE PARTS OF THE ANCHOR POINT:

 no deformation rotation of the anchor eye no corrosion screw fastenings secure firmly positioned

Result of acceptance: The safety system matches the manufacturer's instruction manual and the latest technological standards. Its safety and reliability is hereby confirmed.

Comments: _____

Name: _____

Customer

Inspection: Contractor (Qualified professional,
familiar with the fall prevention system)

Date, company seal, signature

Date, company seal, signature

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www.innotech.at

