

# SYST-20-475-695

Corrugated sheeting

Instructions for installation and use



**DE – ACHTUNG:** Die Verwendung des Innotech-Produktes ist erst zulässig nachdem die Gebrauchsanleitung in der jeweiligen Landessprache gelesen wurde.

DE

**EN – ATTENTION:** Use of the Innotech product is only permitted after the instruction manual has been read in the respective national language.

EN

**IT – ATTENZIONE:** L'utilizzo del prodotto Innotech è permesso solo previa lettura del manuale di istruzioni nella lingua del paese corrispondente.

IT

**FR – ATTENTION :** L'utilisation du produit Innotech n'est autorisée qu'après la lecture du mode d'emploi correspondant dans la langue du pays.

FR

**NL – ATTENTIE:** Het gebruik van dit Innotech product is pas toegestaan, nadat de gebruikshandleiding in de taal van het betreffende land gelezen werd.

NL

**SV – O B S :** Denna Innotech-produkt får inte användas, förrän bruksanvisningen på respektive lands språk har lästs igenom.

SV

**DK – BEMÆRK:** Produktet fra Innotech må først anvendes efter at brugsanvisningen på det pågældende lands sprog er læst igennem.

DK

**ES – ATENCIÓN:** El uso del producto Innotech sólo está permitido después de que se hayan leído las instrucciones de uso en el idioma del respectivo país.

ES

**PT – ATENÇÃO:** O uso do produto Innotech apenas é permitido depois de ter lido as instruções de uso na respectiva língua nacional.

PT

**PL – UWAGA:** korzystanie z produktu Innotech jest jedynie dozwolone po przeczytaniu podręcznika w języku narodowym.

PL

**RO – ATENȚIE:** Utilizarea produsului Innotech este autorizată abia după ce au fost citite instrucțiunile originale de utilizare în limba țării respective.

RO

**SL – POZOR:** Uporaba izdelka Innotech je dovoljena šele po tem, ko navodila preberete v svojem jeziku.

SL

**CZ – POZOR:** Práce s výrobkem Innotech je povolena až po prostudování návodu k použití v příslušném jazyce daného státu.

CZ

**SK – POZOR:** Používanie výrobku Innotech je povolené až potom, keď ste si prečítali návod na obsluhu v jazyku príslušnej krajiny.

SK

**HU – FIGYELEM:** Az Innotech termékek használatá csak az után engedélyezett, miután saját nyelvén elolvasta a használati utasítást.

HU

**ZH – 注意:** 只有在阅读了当地语言的使用说明后, 才能使用 INNOTECH 公司的产品。

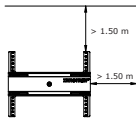
ZH

**Prior to use, the following safety instructions and the current state of the art must be taken into consideration.**

- "SYST" should only be installed by specialised/competent experts familiar with the roof safety system and in compliance with the current state of the art.
- You must be familiar with these instructions, as well as with the local safety regulations to set up and use the system. You must also be physically and mentally fit and trained in the use of PPE (Personal Protective 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 anchorage device "SYST".
- A plan must be available that specifies rescue procedures for all possible emergencies.
- Before starting the work, you must 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 fixing 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.
- Document the professional fastening of the fall protection system to the building with logs and 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. (Included: Weicon AntiSeize ASW 10000 or equivalent lubricant)
- You should plan, install and use the anchorage point in such a way that no one can fall over the edge if the personal protective equipment is used properly. (See planning documents at [www.innotech.at](http://www.innotech.at))
- When accessing the roof safety system, you must document the positions of the anchorage devices by means of diagrams (e.g. top view of the roof).
- The minimum free space required between the roof edge and the ground is calculated as follows: Manufacturer's specification of the personal protective equipment used including cable deflection according to table + body height + 1 m safety margin.
- Fastening on the "SYST" always occurs through the anchorage eye with a carabiner and must be used with personal protective equipment in accordance with EN 361 (safety harness) and EN 363 (fall arrest system).

- If structural alteration work is performed close to the fall protection system following the final inspection of the safety system, you need to ensure that the work will not affect the safety of the installed fall protection system! If in doubt, consult a structural engineer or contact the manufacturer.
- For horizontal use, only those lanyards may be used that are suited for this purpose and have 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 check the entire safety system (fall protection system and anchor points (=guide bushes)) for obvious defects (e.g. loose screws, deformations, abrasion, corrosion, defective roof sealing, etc.). If there are any doubts concerning the safe function of the safety system, it must be inspected by an expert (written documentation).
- At least once a year, an expert must check the complete fall protection system including the personal protective equipment used. The inspection by an expert must be documented in the provided test log.
- After a fall and the resulting strain, you must stop using the fall protection system and have it checked by an expert (component parts, fastening to the substrate, etc.).
- "SYST" was developed for personal safety and may not be used for other purposes. Never attach undefined loads to the safety system.
- Do not use fall protection systems if wind speeds exceed normal parameters.
- Following strong storms, inspect the tin roof (substrate) before continuing to use the safety system.
- Do not make any changes to the approved 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 fall protection system to external contractors, the familiarity with the instructions for installation and use must be confirmed in writing.
- If the equipment is sold in other countries, the instructions for installation and use must be provided in the respective national language!
- For reasons of statics, you must maintain a margin of at least 1.50 m to the end of the roof deck.

**A product that no longer appears to be safe must not be used further, and must be replaced immediately!**



### 2.1. TO BE CHECKED BEFORE EACH USE:

- Before use, the entire fall protection system must be examined for obvious defects. (E.g. loose threaded/riveted connections; deformation, wear, corrosion; extreme contamination or other damage, etc.)
- No indications of wear
- No damage
- In addition, use the acceptance log and test log to verify that the entire fall protection system and protective equipment are suitable for the application.

### 2.2 ANNUAL INSPECTION:

The "SYST" fall protection system must be subjected to at least annually to inspection by an expert who is familiar with the fall protection system because the user's safety depends on the effectiveness and durability of the equipment. Depending on the intensity of use and the environment (e.g. corrosive atmosphere, etc.), it may be necessary to shorten the inspection intervals. The inspection must be documented in the test log included with the "SYST" instructions for installation and use by the expert, and must be stored together with these instructions. The inspection intervals are listed on the rating plate or on the test log.

### 2.3 ATTENTION! STOP USING THE EQUIPMENT IF:



- Damage or wear to its components is obvious
- Stress has occurred due to a fall
- Damage is determined through regular inspections
- The product identification is no longer legible

**If there are any doubts concerning the reliable operation of the safety system, it must no longer be used until it has been checked by an expert (written documentation). If necessary, the product must be replaced immediately.**

# 3

## APPLICATION

Approved as an **anchorage point** on a flat or inclined roof **for end and corner points as well as intermediate cable brackets** (not included) **as part of the INNOTECH horizontal lifeline system in accordance with EN 795:2012 TYP C.**

Suitable for the following fall protection systems in accordance with EN 363:2008

- Restraint systems
- Workplace positioning systems
- Fall arrest systems
- Rescue systems

Safe application requires that you observe the corresponding specifications provided by the PPE manufacturers.

Approved as an **anchorage point** on a flat or inclined roof for **“INNOTECH ABP-10-30”**.

- Rope access systems (EN 363:2008)

# 4

## WARRANTY

Under normal use conditions there is a two year warranty on all components against manufacturing defects. However, if the fall protection system is used in particularly corrosive atmospheres, this period may be shortened.

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 and therefore must be replaced.

**Attention: for system installation and components planned and installed under the responsibility of specialised installation companies, INNOTECH assumes neither responsibility nor warranty in the case of improper installation.**

# 5

## APPROVAL


“SYST” has been tested and certified as an end and corner point as well as an intermediate cable bracket for installation on roofs in accordance with **EN 795:2012 TYPE C.**

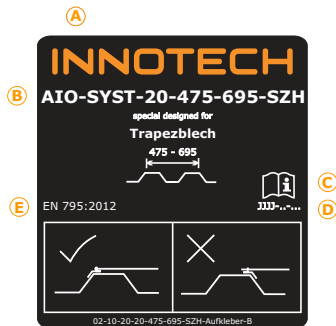
The inspection was executed both statically and dynamically on the original substrate.

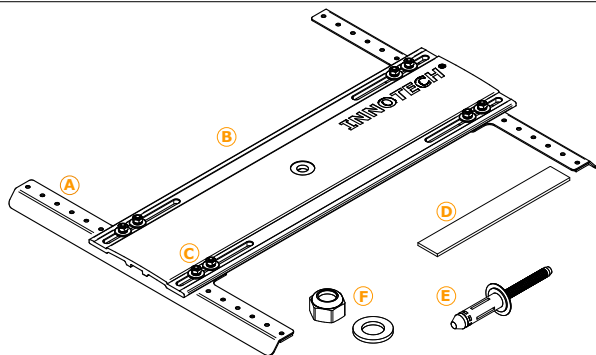
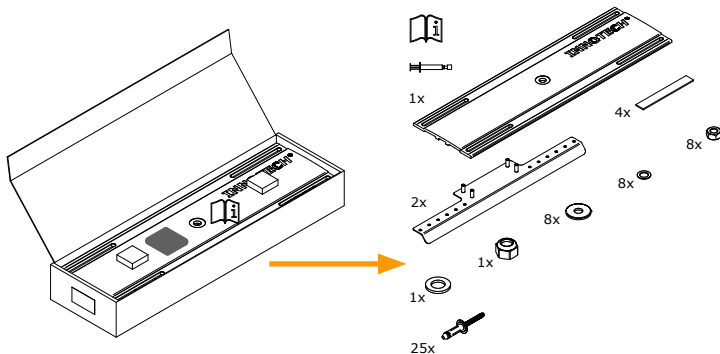
**THE NOTIFIED AUTHORITY PARTICIPATING IN THE TYPE TEST:**

DEKRA EXAM GmbH, Dinnendahlstr. 9, D - 44809 Bochum

The basic prerequisite is a corrugated sheeting roof laid in accordance with applicable standards/rules (sheet metal thickness  $\geq 0.5$  mm and made of aluminium/steel), a statically bearing substructure, and the use of original fasteners that are suitable for the roof profile. When using coated sheet metal, ensure that the coating is not damaged in the installation process.

- |   |   |
|---|---|
| <b>A) Name or logo of the manufacturer / reseller:</b>                      | INNOTECH  |
| <b>B) Type designation:</b>   | AIO SYST-20-475-695<br>AIO SYST-20-475-695-SZH                                    |
| <b>C) Sign stating that the instructions for use must be complied with:</b> |  |
| <b>D) Year of manufacture and manufacturer's serial number:</b>             | JJJJ-...-...  |
| <b>E) Number of the applicable standard:</b>                                | EN 795:2012   |

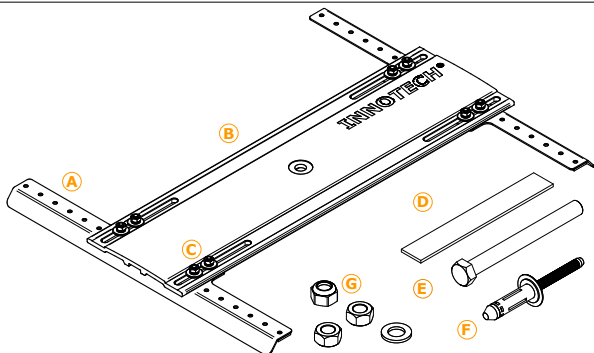
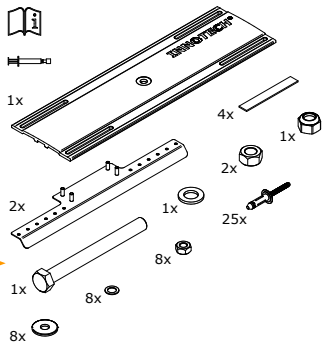
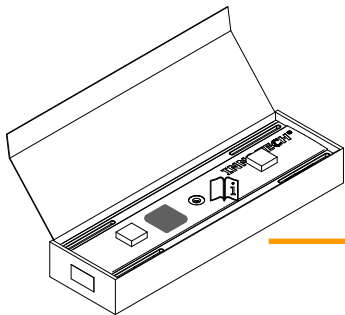




- A. Clamping strips:** stainless steel, quality 1.4301
- B. Base plate:** aluminium, quality 6060
- C. Fastening bolts / nuts:** stainless steel, quality 1.4301
- D. Foam rubber:** cellular rubber
- E. Rivets:** "BULB TITE" with sealing washer (6.3 x 20.2 mm) aluminium/aluminium
- F. Fastening accessories:** for AIO components; stainless steel, quality 1.4301



**Make sure to use the included "BULB TITE" rivets for installation!**

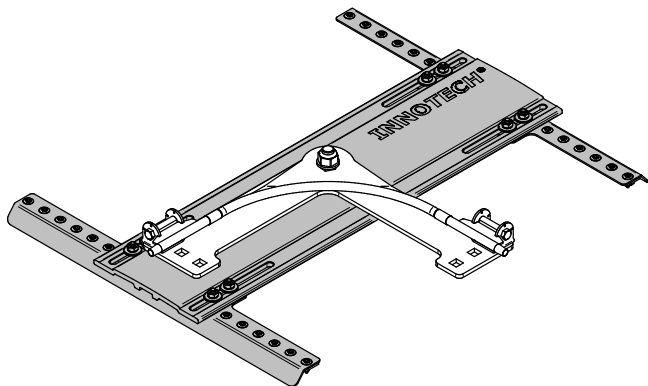
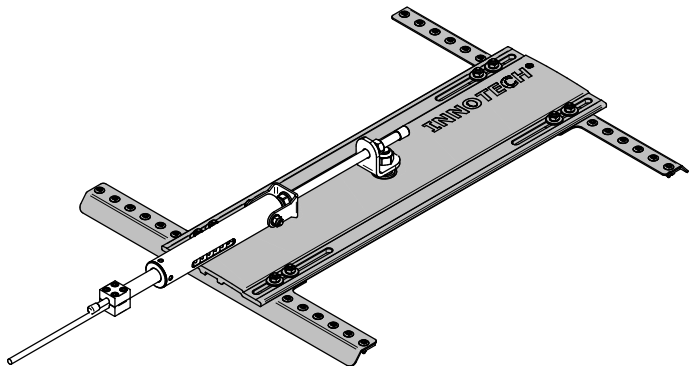


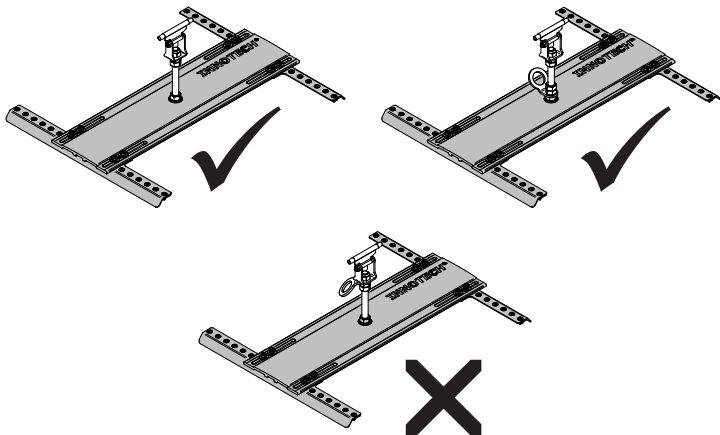
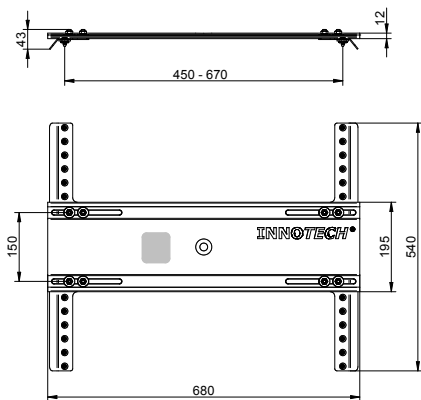
- A. Clamping strips:** stainless steel, quality 1.4301
- B. Base plate:** aluminium, quality 6060
- C. Fastening bolts / nuts:** stainless steel, quality 1.4301
- D. Foam rubber:** cellular rubber
- E. Hex bolt:** without shaft, M16 x 160 mm, stainless steel, quality 1.4301
- F. Rivets:** "BULB TITE" with sealing washer (6.3 x 20.2 mm) aluminium/aluminium
- G. Fastening accessories:** for the intermediate cable bracket; stainless steel, quality 1.4301



**Make sure to use the included "BULB TITE" rivets for installation!**



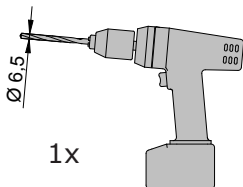
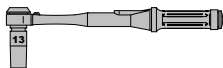


**11****(AIO SYST-SZH)****SAMPLE APPLICATIONS****12****DIMENSIONS**

# 13 INSTALLATION

## INSTALLATION TOOLS:

1x

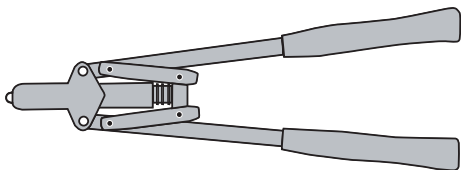


2x



1x

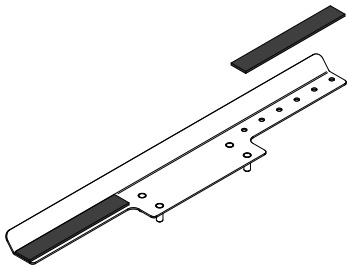
1x



# 13 INSTALLATION

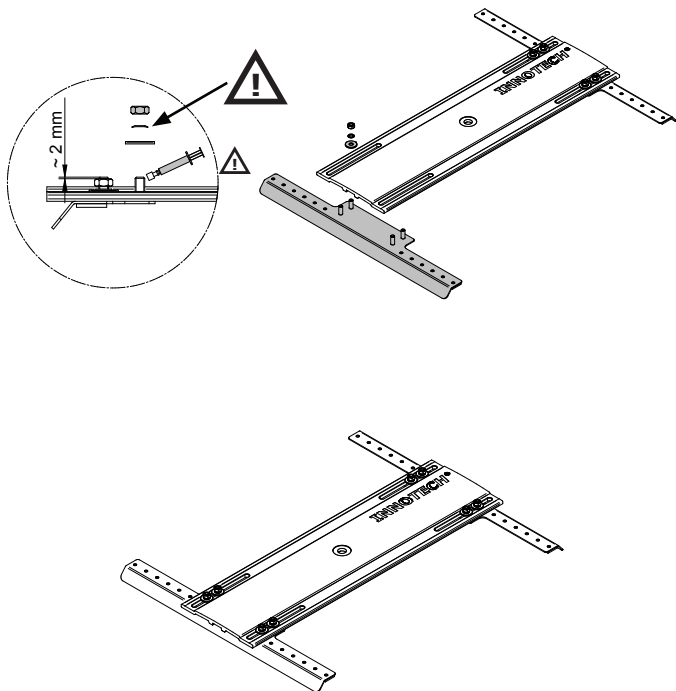
## 1. APPLYING THE SEALING STRIP:

**BOND THE SUPPLIED SEALING STRIPS (4 PCS) ON EACH HOLE CHANNEL FOUND ON THE UNDERSIDE OF THE CLAMPING PLATE THAT IS PROVIDED FOR FASTENING.**



# 13 INSTALLATION

## 2 PRE-INSTALLING THE CLAMPING STRIPS:

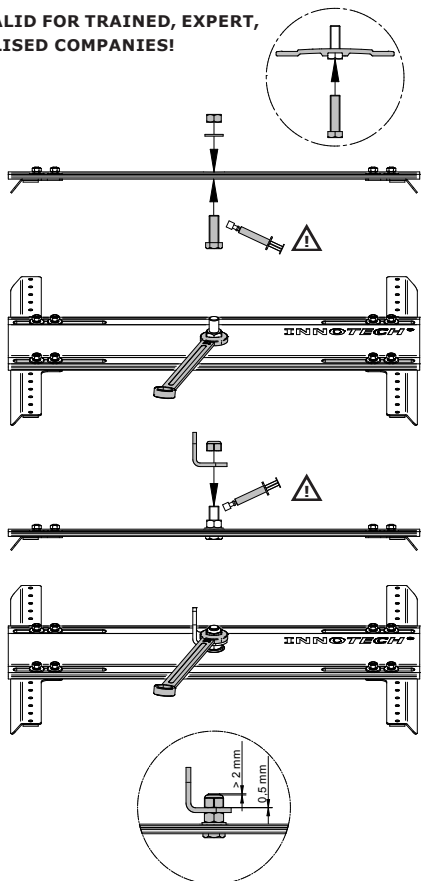


# 14 (AIO SYST) INSTALLATION

3. THE "AIO SYST" IS USED AS AN ANCHORAGE POINT FOR END AND CORNER POINTS AS PART OF THE INNOTECH HORIZONTAL LIFELINE SYSTEM IN ACCORDANCE WITH EN 795:2012 TYP C:



ONLY VALID FOR TRAINED, EXPERT,  
SPECIALISED COMPANIES!

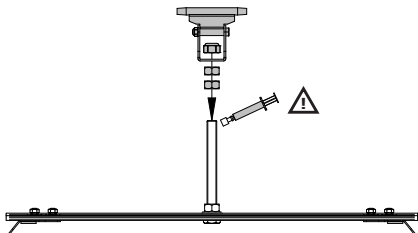
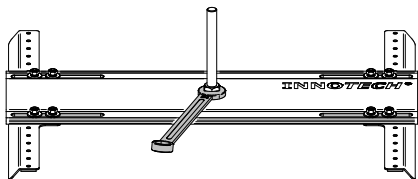
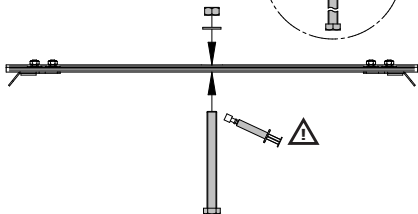
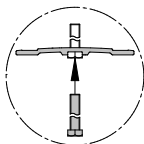


# 15 (AIO SYST-SZH) INSTALLATION

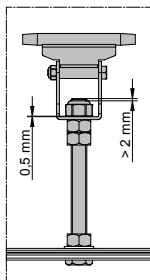
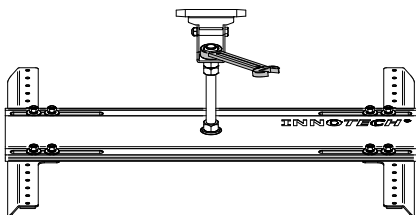
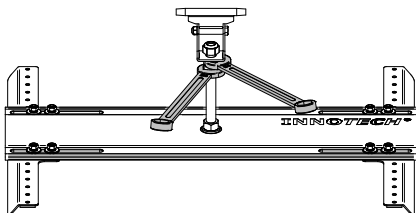
- 4. THE "AIO SYST-SZH" IS USED AS AN ANCHORAGE POINT FOR AN INTERMEDIATE CABLE BRACKET (NOT INCLUDED) AS PART OF THE INNOTECH HORIZONTAL LIFELINE SYSTEM IN ACCORDANCE WITH EN 795:2012 TYP C. THE MAXIMUM SPACING OF THE INTERMEDIATE CABLE BRACKETS IS 12 M. ATTENTION: DO NOT USE AS END POINT OR CORNER POINT!:**



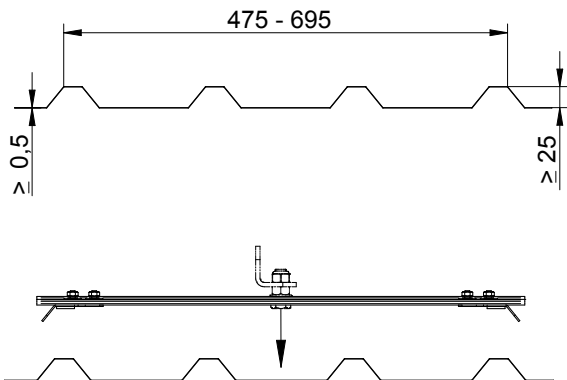
**ONLY VALID FOR TRAINED, EXPERT,  
SPECIALISED COMPANIES!**



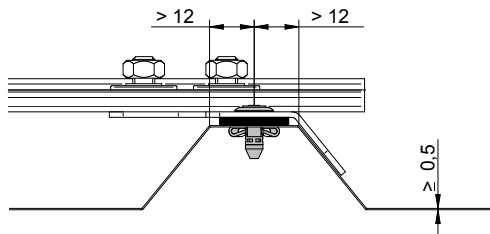
# 15 (AIO SYST-SZH) INSTALLATION



## 5. POSITIONING ON THE ROOF:



## 6. INSTALLATION DISTANCES:

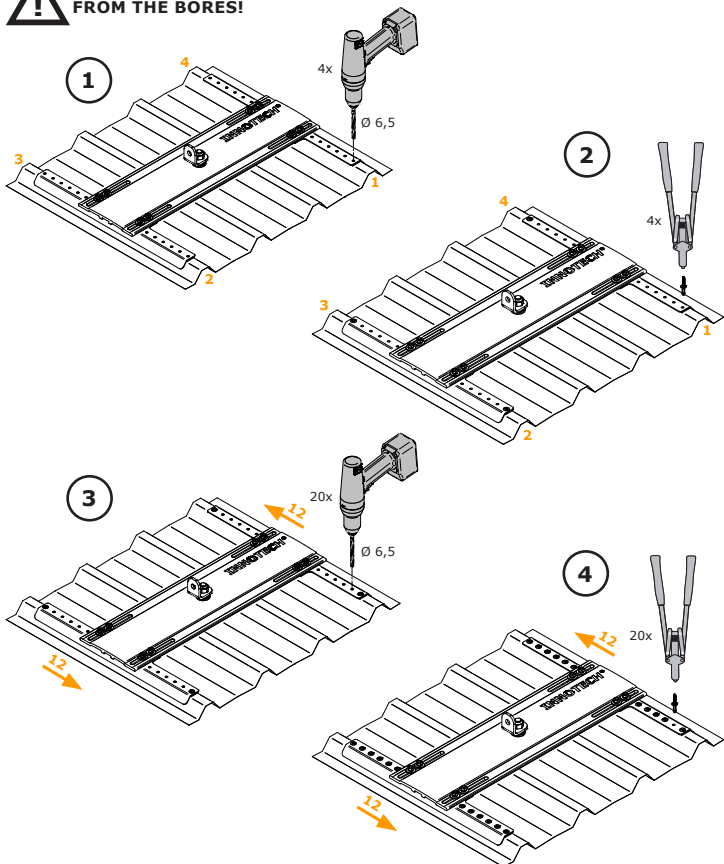




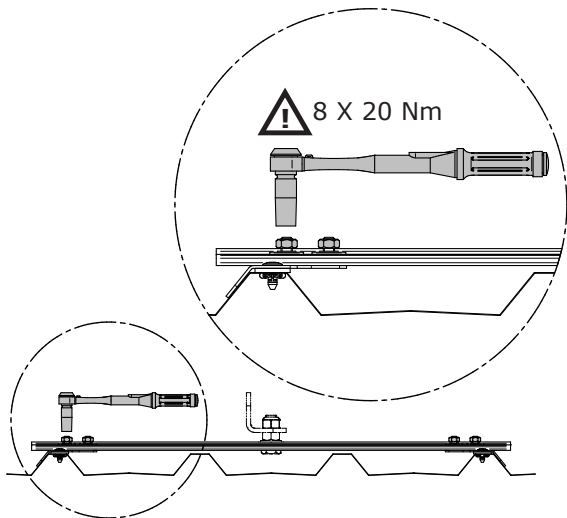
**7 FASTENING ON THE ROOF, WITH "BULB TITE" RIVETS  
(CLAMPING AREA: 1 – 6.4 mm):**



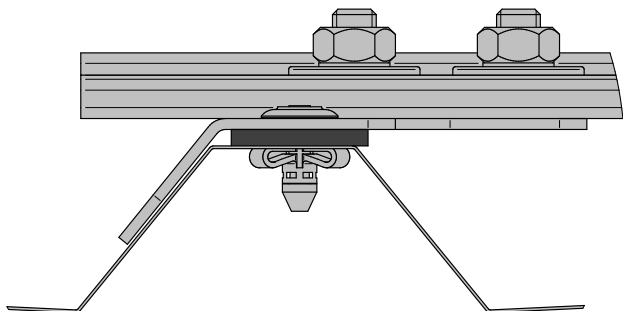
**REMOVE ANY DRILLING CHIPS  
FROM THE BORES!**



- 8. TIGHTEN THE BOLTS USING A TORQUE SPANNER (8 x 20 Nm):**



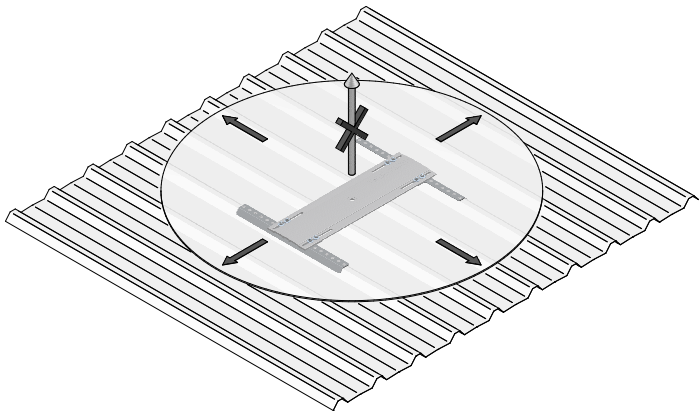
- 9. FINISHED!:**



# 18 LOAD DIRECTIONS

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

Work/application loads in the direction of the "Z-axis" are not permitted!



# 19 NOTES

Blank area for notes.

PROJECT:

PRODUCT:

SERIAL NO.:

CLIENT:

NAME / COMPANY / ADDRESS:

CONTRACTOR:

NAME / COMPANY / ADDRESS:

INSTALLATION:

NAME / COMPANY / ADDRESS:

Client accepts the performances of the contractor. The instructions for installation and use, clamp log, photo documentation and test sheets have been transferred to the client (building owner) and have been made available to the user. When accessing the fall protection 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.**

COMMENTS:

Date:	Location:	Tightening torque: [Nm]	Photos: (file names)

The undersigned installation company warrants that the processing is in order.  
(Edge distances, inspection of the substrate, etc.)

Substrate (roof manufacturer, profile, material, sheet metal thickness, etc.): \_\_\_\_\_

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

Installation of the anchorage points by: \_\_\_\_\_

Installation of cable system by: \_\_\_\_\_

Client: \_\_\_\_\_  
NAME

Fitter: \_\_\_\_\_  
NAME

\_\_\_\_\_  
DATE, SIGNATURE

\_\_\_\_\_  
DATE, SIGNATURE

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

Use only in accordance with the state of the art and the specifications contained in the instructions for installation and use.



THE STORAGE LOCATION FOR THE INSTRUCTIONS FOR INSTALLATION AND USE, INSPECTION LOGS, ETC. IS:

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.

OVERVIEW DIAGRAM SHOWING THE POSITION OF THE ANCHORAGE DEVICE:

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

VIEW OF THE FALL PROTECTION SYSTEM

<b>PROJECT:</b>	
<b>PRODUCT:</b>	<b>SERIAL NO.:</b>
<b>ANNUAL SYSTEM INSPECTION executed on:</b>	
<b>NEXT INSPECTION NO LATER THAN:</b>	
<b>INSPECTION POINTS</b> <input checked="" type="checkbox"/> checked and in order	<b>DEFECTS DETECTED</b> (Description of defects / measures)
<b>DOCUMENTATION:</b>	
<input type="checkbox"/> Instructions for installation and use	
<input type="checkbox"/> Inspection log	
<input type="checkbox"/> Clamp logs/photo documentation	
<b>PPE (personal protective equipment against falls from a height):</b> <b>Inspection in accordance with manufacturer's specifications</b>	
<input type="checkbox"/> Expiration date	
<input type="checkbox"/> Annual inspection performed	
<input type="checkbox"/> Not checked (no authorisation)	
<b>VISIBLE PARTS OF THE ANCHORAGE DEVICE:</b>	
<input type="checkbox"/> No deformation	
<input type="checkbox"/> The anchorage 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	
<input type="checkbox"/> .....	
<b>ROOF SEALING:</b>	
<input type="checkbox"/> No damage	
<input type="checkbox"/> No corrosion	
<input type="checkbox"/> .....	
<b>HORIZONTAL LIFELINE SYSTEM:</b>	
<b>Attention:</b>	
Strictly ensure that the supplemental TEST LOG II (copy template in the installation instructions/user copy) is filled out!	
<b>Acceptance result:</b>	
The safety 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.	
Comment:.....	
Expert who is familiar with the safety system:	
<b>Name:</b>	<b>SIGNATURE:</b>

INNOTECH Arbeitsschutz GmbH, Laizing 10, 4656 Kirchham/Austria.  
[www.innotech.at](http://www.innotech.at)

