INNOTECH

KIT-BOX



≓

 \vdash

S

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 unde 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 idióma del país
- PT ATENÇÃO: O uso do produto INNOTECH apenas e 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 förståtts.
- CZ PÒŻOR: Práce s výrobkém 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 nyelvén 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。

1 TABLE OF CONTENTS

[2]	DESCRIPTION OF SYMBOLS	3
[3]	SAFETY INSTRUCTIONS	4
[4]	COMPONENTS/MATERIAL	6
[5]	PRODUCT SUITABILITY/APPROVAL	7
[6]	INSPECTION	7
[7]	WARRANTY	8
[8]	DIMENSIONS	9
[9]	SIGNS & MARKINGS	10
[10]	INSTALLATION TOOLS	11
[11]	INSTALLATION INSTRUCTIONS	12
[12]	INSTALLATION	13
[13]	DISPOSAL	20
[14]	ACCEPTANCE REPORT	21
[15]	FALL PREVENTION SYSTEM NOTICE	23
[16]	INSPECTION REPORT	24

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.



Wear protective gloves!



Wear protective glasses!



Additional information/notice



correct



incorrect



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 an appropriately trained, competent professional who is familiar with the safety system.
- The protective equipment may only be installed or used used by persons who
 - are trained in the use of "Personal Protective Equipment" (PPE),
 - are physically and psychologically fit(health restrictions such as heart/ circulatory problems, medication, alcohol consumption, etc. compromise the user's safety),
 - are familiar with the locally applicable safety regulations.
- All applicable accident prevention rules(e.g. those for work on roofs) must be followed during installation and use of the safety system.
- An emergency 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 (sidewalk, etc.) must be kept clear.
- The fall prevention system should be planned, installed and used in such a way that
 proper use of the personal protective equipment (PPE) makes a fall over the edge
 impossible. (See planning documents at www.innotech.at).
- The fall prevention system is subject to maximum load limits. These can be found on the type plate of the fall prevention system and may not be exceeded.
- The type plate of the fall prevention system is to be applied in a location which is easily visible for the user.
- 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.
- 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.
- 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.



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

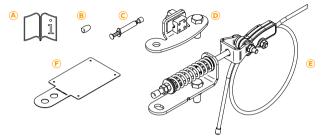
3.2 FOR FITTERS: FOR SAFE INSTALLATION

- All stainless steel screws are to be treated with an appropriate lubricant before installation (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.
- The fitters 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.
- In areas with significant snowfall, the fall prevention system is to be installed near the roof ridge.
- Proper fastening of the safety system must be documented with fastening reports and photos of the respective circumstances of installation.

3.3 FOR USERS: FOR SAFE USE

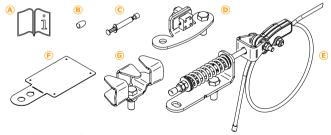
- To ensure safe entry/ascent to the fall prevention system, all necessary work safety regulations must be followed.
- Connection to the fall protection system is established with a stainless steel karabiner as per EN 362 along with personal protective Equipment as per EN 361 (safety harness) and EN 363 (fall arrester).
- If the cable length has been installed as a restraint system: when using the cable length, a cable shortener must be used to set the connecting element in such a way that a fall is impossible.
- The minimum free space necessary under the edge is calculated as follows: manufacturer's specification of the personal protective equipment used, including deflection of the cable + body height + 1 m safety margin.
- For horizontal use, only such connecting elements can be used which are designed for this purpose and tested for the respective edge type (sharp edges, trapezoidal sheet, steel girders, concrete, etc.).
- Proper use of the individual components, including the "Personal Protective Equipment" must be ensured, since the effectiveness of the fall prevention system is otherwise NOT guaranteed.
- Do NOT use fall arrest systems if wind speeds exceed normal parameters.
- After heavy storms, the metal roof system (substructure) is to be inspected before continued use of the fall prevention system.
- On slanted roofs, the proper snow-catching features must be added to prevent ice or snow from sliding from the roof surface.
- The fall protection system must NOT be used by children or pregnant women.

4.1 COMPONENTS "KIT-BOX-15"



- A) Instruction manual
- B) Protective cap: plastic
- C) Lubricant: Weicon AntiSeize ASW 10000
- D) Clamp set: stainless steel AISI 304, aluminium
- E) End fastener incl. spring loader: stainless steel AISI 304, aluminium
- F) Rating plate (incl. rating plate label): stainless steel V4A (AISI 316), plastic

4.2 COMPONENTS "KIT-BOX-30"



- A) Instruction manual
- B) Protective cap: plastic
- C) Lubricant: Weicon AntiSeize ASW 10000
- D) Clamp set: stainless steel AISI 304, aluminium
- E) End fastener incl. spring loader: stainless steel AISI 304, aluminium
 F) Rating plate (incl. rating plate label): stainless steel V4A (AISI 316), plastic
- G) LIFELINE-KIT-SZH-10: stainless steel AISI 304



PRODUCT SUITABILITY/APPROVAL

INNOTECH "KIT-BOX" was developed as an anchorage device for personal protection for **4 people** (including 1 person for first aid use), and is suitable for the following fall protection systems in accordance with EN 363:2008:

- Fall ptotection systems
- Fall arrest systems
- Rescue systems



DANGER TO LIFE through incorrect use.

- INNOTECH "KIT-BOX" must be used ONLY for personal safety.
- NEVER hang loads on the INNOTECH "KIT-BOX" which are NOT expressly approved in this instruction manual.



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

INNOTECH "KIT-BOX" has been tested and certified as per EN 795:2012 TYP C.

The notified authority participating in the type test:
DEKRA Testing and Certification GmbH. Dinnendahlstraße 9. D-44809 Bochum



6.1 CHECK BEFORE EVERY USE

Prior to each use, INNOTECH "KIT-BOX" must be checked visually for any obvious defects.



DANGER TO LIFE through damage/defects on the INNOTECH "KIT-BOX".

- INNOTECH "KIT-BOX" must be in perfect working condition.
- Do NOT continue to use INNOTECH "KIT-BOX" if
 - . Damage or wear to its components is obvious,
 - Other defects were observed (loose screwed connections, deformation, corrosion, wear, etc.),
 - Strain has occurred due to a fall (Exception: provision of first aid), (Inspection of cable pretension and of the indicator clamp!),
 - It is not possible to read the product labelling.

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



If there is doubt about the safe functioning of the fall ptotection system, do NOT use it any more, and have it inspected by a specialist (written documentation). If necessary, replace the product.

6.2 ANNUAL CHECKS

Have INNOTECH "KIT-BOX" inspected at least once a year by a specially trained technician who is familiar with the fall ptotection system. The user's safety depends on the effectiveness and durability of the equipment.

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

Document the inspection by 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

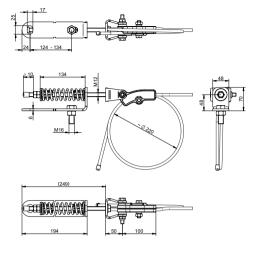
The warranty period for manufacturing defects on all components (under normal conditions of use) is 2 years from the date of purchase. The time limit is shortened if it is used in corrosive atmospheres.

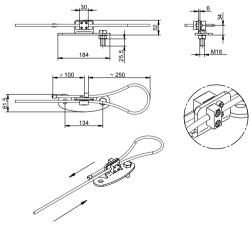
If there is strain (a fall, weight of snow, etc.,) the warranty claim is void for those components that have been designed to absorb energy, or that may possibly be deformed.



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 improper installation.

[mm]







SIGNS AND MARKINGS

9.1 KIT-BOX RATING PLATE EN 795:2012 TYPE C

- A) Name or Logo of the manufacturer/seller: INN
- B) Type designation:
- C) Sign that the instruction manual must be followed:
- D) Maximum number of people who can be secured:
- E) Number of the applicable norm:
- F) Designation:
- G) Shock absorber:
- H) Installation date:
- I) Date of the next annual inspection:
- J) Name & address of the fitting company:

INNOTECH

KIT-BOX

4 (including 1 person for first aid administration)

EN 795:2012 TYP C

Cable type nr:

YES

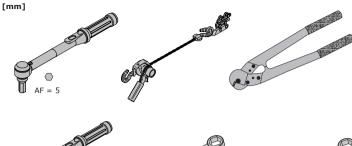
Year of installation: 🗵

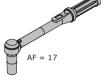
Date of the next annual inspection

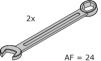
Installed by

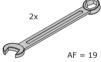


10 INSTALLATION TOOLS

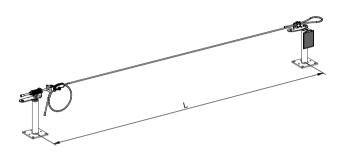


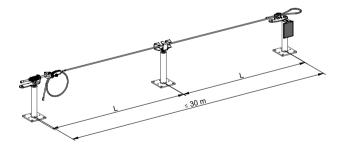






max, cable deviation = 3 m (STA-10-600)

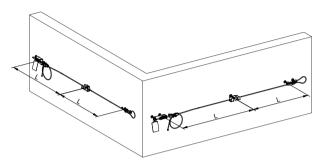




11 INSTALLATION INSTRUCTIONS

Facade systems: L = max. 7,5 m (recommendation)

max. cable deviation = 1,2 m





Follow the respective instruction manuals.



Calculation bases/load tables - www.innotech.at



INSTALLATION



DANGER TO LIFE if NOT correctly installed.

- INNOTECH "KIT-BOX" must be installed correctly in accordance with the instruction manual.
- Follow the INNOTECH "KIT-BOX" instruction manual..



RISK OF INJURY from sharp edges on components.

- Wear protective gloves for installation works.



RISK OF EYE INJURY from dust/splinters/liquids.

- Wear eye protection/protective glasses for installation works.



12 INSTALLATION

12.1 FASTENING PRE-ASSEMBLED SIDE (POST SYSTEMS)

1. [mm]

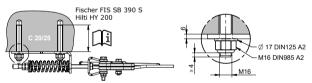
2x AF = 24

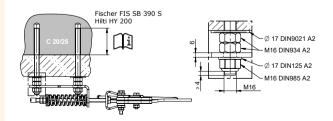


12.2 FASTENING PRE-ASSEMBLED SIDE (FACADE SYSTEMS)

1. [mm]







12 INSTALLATION

12.3 FASTENING NON-ASSEMBLED SIDE (POST SYSTEMS)

1. [mm]



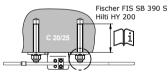


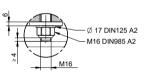


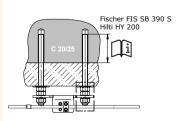
12.4 FASTENING NON-ASSEMBLED SIDE (FACADE SYSTEMS)

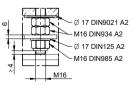
1. [mm]









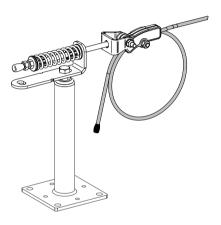


12.5 SYSTEM INSTALLATION

1.





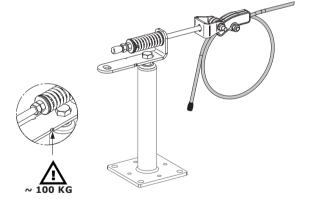














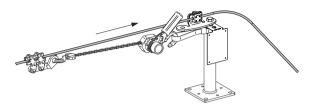
preload max. to the marking

12 INSTALLATION





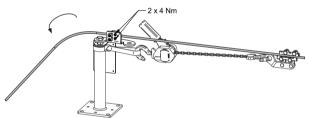










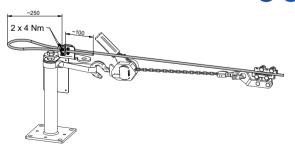


[mm]



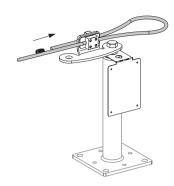








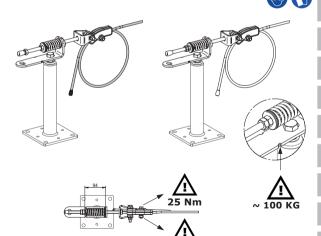




7.





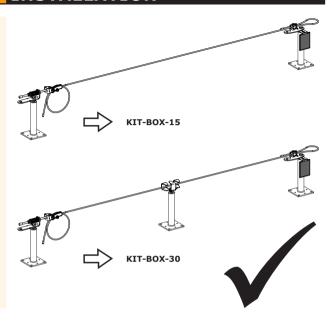


25 Nm

12 INSTALLATION

8.

Π Z



13 DISPOSAL

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.

TEMPLATE

15
Y
1 <i>P</i> I
Ē
H

AC	CEPTA	NCE RE	EPORT	NR.	(PART 1/2)
	HORIZ	ONTAL LIFELIN	IE SYSTEM A	S PER EN 7	95 TYP C	
CONTRA	ACT NUMBER:					
PROJE	CT:					
CUSTO	MER: Specialis	t:	7	7		
Company	address:	<u></u>				
CONTR	ACTOR: Specia	list:	4	~		
Company	address:					
INSTAI	LLATION: HOP	RIZONTAL LIF	ELINE SYS	TEM as per l	EN 795 TYP C	
DESIG	NATION: Cable	e type nr.:	_			
Specialist	<u>::</u>			2	•	
Company	address:					
INSTAI	LLATION: Fast	ening points	of the horizor	ntal lifeline sy	/stem	
Specialist	:			7	2	
Company	address:					
1	DOCUMENTA	TION OF FAS	TENINGS/I	РНОТО-DO	CUMENTAT	ION
PRODUC	Pcs.			Year /Serial	nr.:	
(Type designa	ition of fastening point)				
INSTALLA	TION SUBSTRUC crete grade: C20/25; w	CTURE:	: for sheet roofs: n	oof manufacturer.	profile, material, sh	eet thickness, etc.)
(9		Anchor type:				
Date:	Location:	Fastening/	Seat depth:	Drill Ø: [mm]	Tightening torque:	Photos: (Save directory)
		adhesive type				, ,,
			mm	mm	Nm	
	VARYING FAS	TENINGS /FAS				
		,	, ,			IELTI
PRODUC (Type designa	Pcs etion of fastening point			_ rear/Serial n	ir.:	
INSTALLA	TION SUBSTRUC	TURE:				
(e.g solid con	crete grade: C20/25; w		; for sheet roofs: n	oof manufacturer,	profile, material, sh	eet thickness, etc.)
Date:	Location:	Anchor type: Fastening/	Seat depth:	Drill Ø:	Tightening	Photos:
Date.	LUCALIUII.	rasteriirig/	[mm]	[mm]	torque:	(Save directory)

mm

mm

Nm

ACCEPTANCE REPORT NR. (PART 2/2)

HORIZONTAL LIFELINE SYSTEM AS PER EN 795 TYP C

PRODUC				_ Year/Serial r	nr.:	
Type designa	ation of fastening p	oint)				
		RUCTURE:		oof manufacturer.	profile, material, sh	neet thickness, etc.)
Date:	Location:	Anchor type: Fastening/ adhesive type	Seat depth: [mm]	Drill Ø: [mm]	Tightening torque:	Photos: (Save directory)
			mm	mm	Nm	
ports were evention sy	ervices of the cont given to the custor stem, the position	ractor. The instruction ma mer (building owner) and s of the anchor points are	are to be made av	ailable to the user	At the point of acc	ess to the fall
eports were revention sy f the rooftop he contrac ras perforn nanual. The elivery of:	ervices of the cont given to the custor stem, the position b). tor, a qualified p ned correctly, up a reliability and s (e.g. cable sliders,	mer (building owner) and s of the anchor points are rofessional who is fam to the latest technolog afety is confirmed by t personal protective equi	are to be made aviate to be documented iiliar with the fall pigal standards ar he contracting co	prevention system date of the user by the building of the buil	At the point of acc where by means of p em, confirms that the manufacturer rage cabinet, etc.)	s, and inspection tess to the fall plans (e.g. sketches the installation
eports were revention sy f the rooftop he contractas performanual. The relivery of: PCS	ervices of the cont given to the custon stem, the position o). tor, a qualified p ned correctly, up a reliability and s (e.g. cable sliders,	mer (building owner) and so if the anchor points are rofessional who is fam to the latest technolog afety is confirmed by t personal protective equi	are to be made avieto be documented illiar with the fall pigigal standards are the contracting confirment (PPE), fall are PCS.	prevention system date of the user by the building of the buil	At the point of acc where by means of p em, confirms that the manufacturer rage cabinet, etc.) PCS PCS	s, and inspection tess to the fall plans (e.g. sketches the installation
eports were revention sy if the rooftop the contract was performanual. The pelivery of: Pcs	ervices of the cont given to the custo stem, the position op). tor, a qualified p ned correctly, up er reliability and s (e.g. cable sliders,	mer (building owner) and so fithe anchor points are rofessional who is fam to the latest technolog afety is confirmed by to personal protective equimage. Pcs. Ightning protection s	are to be made av. e to be documented illiar with the fall gligal standards ar he contracting co ipment (PPE), fall ar PCS. system? Yes	prevention system date of the user by the building of the buil	At the point of acc where by means of p em, confirms that the manufacturer rage cabinet, etc.)	s, and inspection tess to the fall plans (e.g. sketches the installation
eports were revention sy if the rooftop the contract was performanual. The pelivery of: Pcs	ervices of the cont given to the custo stem, the position op). tor, a qualified p ned correctly, up er reliability and s (e.g. cable sliders,	mer (building owner) and so if the anchor points are rofessional who is fam to the latest technolog afety is confirmed by t personal protective equi	are to be made av. e to be documented illiar with the fall gligal standards ar he contracting co ipment (PPE), fall ar PCS. system? Yes	prevention system date of the user by the building of the buil	At the point of acc where by means of p em, confirms that the manufacturer rage cabinet, etc.) PCS PCS	s, and inspection tess to the fall plans (e.g. sketches the installation
eports were revention sy if the rooftop the contract was performanual. The pelivery of: Pcs	ervices of the cont given to the custo stem, the position o). tor, a qualified p need correctly, up a reliability and s (e.g. cable sliders, ded into existing	mer (building owner) and so fithe anchor points are rofessional who is fam to the latest technolog afety is confirmed by to personal protective equimage. Pcs. Ightning protection s	are to be made ave to be documented illiar with the fall i gigal standards at the contracting copment (PPE), fall ar PCS. System? Yes	prevention system and the control of the building of the building of the control of the building of the buildi	At the point of acc where by means of p em, confirms that the manufacturer rage cabinet, etc.) PCS PCS	s, and inspection tess to the fall plans (e.g. sketches the installation
eports were revention sy fifth confirmation of the contractors performanual. The lettivery of: PCSncorporate Commentation of the contractors are: Custo	ervices of the cont given to the custo stem, the position o). tor, a qualified p need correctly, up a reliability and s (e.g. cable sliders, ded into existing	mer (building owner) and so fit he anchor points are rofessional who is fam to the latest technolog drety is confirmed by t personal protective equi	lare to be made ave to be documented lillar with the fall in gloal standards are the contracting or present (PPE), fall are PCS. System? Yes	allable to the user by the building o prevention syste id according to impany. rester (HSG), sto	At the point of acc where by means of p and, confirms that the manufacturer rage cabinet, etc.) PCS. No	s, and inspection tess to the fall plans (e.g. sketches the installation

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, instpection 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. PRODUCT: Horizontal lifeline system Cable type nr. __

CONTRACT NUMBER:

PROJECT:

INSPECTION REPORT NR. (Part 1/2)

HORIZONTAL LIFELINE SYSTEM AS PER EN 795 TYP C

CUSTOMER:	Specialist:	~
Company address:	-	
CONTRACTOR:	Specialist:	2
ompany address:		
INSPECTION PO ☑ checked and in order		OBSERVED DEFECTS: (Description of defect/ Measures to be taken)
DOCUMENTATIO	N:	
☐ Instruction manual		
☐ Instruction manual ☐ Acceptance report/Documentation	umentation of fastenings /	
Acceptance report/Docu photo-documentation	umentation of fastenings / Protective Equipment manufacturer's instructions	for fall protection) :
Acceptance report/Docuphoto-documentation PPE (Personal PInspection according to		for fall protection) :
Acceptance report/Docuphoto-documentation PPE (Personal P Inspection according to Date of expiry routine annual inspection	Protective Equipment manufacturer's instructions	for fall protection) :
Acceptance report/Docuphoto-documentation PPE (Personal P Inspection according to Date of expiry routine annual inspectic not inspected (no author	Protective Equipment manufacturer's instructions	for fall protection):
Acceptance report/Docuphoto-documentation PPE (Personal P Inspection according to Date of expiry routine annual inspectic not inspected (no author	Protective Equipment manufacturer's instructions	for fall protection) :
Acceptance report/Docuphoto-documentation PPE (Personal P Inspection according to Date of expiry routine annual inspection	Protective Equipment manufacturer's instructions on conducted	for fall protection) :

☐ screw fastenings secure ☐ tightening torque of screw fastenings

STAINLESS STEEL CABLE:

firmly positioned

□ optical check ☐ cable strands TEMPLATE

TEMPLATE

TEMPLATE

16 COPY TEMPLATE INSPECTION REPORT

INSPECTION REPORT NR (Part 2/2)				
HORIZONTAL LIFELINE S	YSTEM AS PER EN 795 TYP C			
INSPECTION POINTS: ☑ checked and in order!	OBSERVED DEFECTS: (Description of defect/ Measures to be taken)			
INTERMEDIATE BRACKETS:				
no deformation				
☐ welding seams				
screw fastenings secure				
CORNER FASTENINGS:				
no deformation				
☐ welding seams				
□				
END FASTENINGS:				
no deformation				
☐ welding seams				
□				
END LOCK FASTENINGS:				
head sufficiently wrapped				
☐ indicator clamp				
able pretension of 75 to 120 kg				
☐ inspection of welding points (crevice corrosion)				
D				
SLIDERS: Type: INNOTECH "AIO-GLEIT"				
screw fastenings secure				
☐ sliding gap (see corresponding. "AIO-GLEIT"				
instruction manual)				
original INNOTECH carabiner (as per EN 362)				
□				
INCORPORATION IN THE LIGHTNIN (according to applicable lightning protection regulations				
screw fastenings secure				
□ clamps				
not inspected				
□				
esult of acceptance: The safety system man	tches the manufacturer's instruction manual and			
ne latest technological standards. Its safety ar	nd reliability is hereby confirmed.			
omments:				
ame:	Inspection: Contractor (Qualified professional			
Custoffiel	familiar with the fall prevention system))			

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

