

TAURUS

Rail system

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 – GIV AGT: Det er først tilladt at anvende INNOTECH-produktet, før end brugsvejledningen på det pågældende lands sprog er læst.

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 használatra 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

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

- Completely read this instruction manual.
- These instructions for installation and use must be stored by the building owner and made available to the user.
- Understand and accept the possibilities and restrictions of the restraint system and the protective equipment used, as well as the risks associated with its use.
- The "TAURUS" rail system should be installed only by experts familiar with the 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.
- During the installation and use of the "TAURUS" rail system, and for entry and exit to/from the restraint system, all occupational safety regulations must be complied with. The standard accident prevention regulations apply (e.g. working at height) as well as the regulations and standards for the use of personal protective equipment against falls from a height.
- Prior to installing/using the fall prevention system, measures (an emergency plan) must be specified for rapid rescue from all possible accidents. Attention: after a fall, a longer period of suspension in personal protective equipment can cause severe injuries or even death (suspension trauma).
- 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.
- If uncertainties arise during installation/use, it is imperative that you contact the manufacturer (www.innotech.at)
- The fitters must ensure that the substrate is suitable for fixing the anchorage device. If in doubt, consult a structural engineer.
- Document the professional fastening of the restraint system to the building with dowel logs and photos of each installation situation. (Acceptance log: "Fastener documentation/photo documentation")
- 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.
- You should plan, install and use the restraint system 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)

- Every system is subject to maximum limit values. These limit values are specified on the rating plate of your system. They must not be exceeded.
- Fastening to the "TAURUS" rail system is always carried out using an original INNOTECH shuttle (TAURUS GLEIT-H-11, TAURUS GLEIT-V-21, TAURUS GLEIT-A-31) and must be used with personal protective equipment as per the details in the relevant shuttle instructions manual.
- Before use, you must visually check the entire restraint system for obvious defects (e.g. loose screws, deformations, abrasion, corrosion, etc.). If there are any doubts concerning the safe function of the restraint system, it must be inspected by an expert (written documentation).
- For horizontal use, only fasteners may be used that are suited for this purpose and have been tested for the respective edges (sharp edges, sheet with corrugated sheeting, steel girders, concrete, etc.). Attention: avoid a swinging fall!
- At least once a year, an expert must check the complete safety device including the personal protective equipment used. The inspection by an expert must be documented in the test log provided.
- After a fall, lighting strike, or fire, you must stop using the restraint system and have it checked by an expert (component parts, fastening to the substrate, etc.). There must be written documentation!
- Do not use the restraint system if wind speeds exceed normal parameters or in other types of extreme weather conditions.
- Do not make any changes to the approved anchorage device.
- 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!) Incorrect applications can result in severe or fatal injuries.
- "TAURUS" was developed for personal safety and must not be used for other purposes. Never attach undefined loads to the restraint system.
- The rail system must be protected against lightning in accordance with the customary lightning protection regulations in the respective country. It must not be used as a lightning conductor.
- Every person active in the areas where there is danger of falling is responsible for ensuring that the connection to the anchorage system is kept as short as possible to prevent the possibility of a fall.
- If you provide the restraint system to external contractors, their familiarity with the instructions for installation and use must be confirmed in writing.
- If the equipment is sold in another country, the instructions for installation and use must be provided in the respective national language!

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 restraint system must be examined for obvious defects. (e.g. Safe functioning of closures; loose threaded connections; deformation, wear, corrosion; extreme contamination; loose connections, or other damage, etc.)
- Check the planned personal protective equipment, shuttles, etc., as per their instructions for use.
- No deformation (e.g. rail, terminals,...)
- Perfect functioning of entry/exit (e.g. EA-11)
- No corrosion
- No indications of wear
- No damage
- In addition, use the acceptance log and test log to verify that the entire restraint system and protective equipment are suitable for the application.

2.2 ANNUAL INSPECTION:

The "TAURUS" rail system must be subjected at least annually to inspection by an expert who is familiar with the restraint 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 "TAURUS" instructions for installation and use by the expert, and must be stored together with these instructions for use.

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 falling
- Damage is determined through regular inspections
- The product identification is no longer legible

If there are any doubts concerning the reliable operation of the rail 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

CARE

The guide rail must be kept free of grease, ice, and snow!

In the case of heavy contamination, we recommend that the rail is cleaned using a rag.

4

WARRANTY

Under normal use conditions there is a two year warranty on all components against manufacturing defects. However, if the restraint 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

SYSTEM DESCRIPTION

The "TAURUS" rail system has been developed for people who must move in fall hazard locations; it offers them the possibility of linking themselves using their "personal protective equipment against falls from a height (PPE)" to the system's "moving anchorage point" or "travelling fall-arrest device" (=shuttle).

"TAURUS" consists of the "TAURUS-RAIL-..." aluminium rail (incl. fastenings, attachments, etc.) and of the shuttles approved for this.

Optionally, the INNOTECH rail system can be adapted to local circumstances using curves/bends, etc. This provides the user with resistance-free and unimpeded freedom of movement along the entire length of rail.

6

APPROVAL

The number of people who are permitted to use the rail system at the same time is specified on the rating plate of your system.

INNOTECH TAURUS was tested and certified in accordance with

Horizontal System: EN 795:2012 Type D

Vertical system: EN 353-1:2014

Allround system: EN 795:2012 Type D, EN 353-1:2014

With appropriately approved shuttles, the rail system is also suitable for abseiling work (rope access systems (EN 363:2008)).

THE NOTIFIED AUTHORITY PARTICIPATING IN THE TYPE TEST:

DEKRA Testing and Certification GmbH, Dinnendahlstr. 9, 44809 Bochum ☎ 0158

7

SUBSTRATE FOR ATTACHMENT

The basic prerequisite is a static load-bearing construction.

If in doubt, consult a structural engineer.



By means of the prescribed "personal protective equipment (PPE) against falls from a height", the shuttle restricts the energy passing into the shuttle to 6 kJ in all cases.

The attachment substrate for the rail must be capable of withstanding the energy resulting at the fixation.

HORIZONTAL RAIL SYSTEM ($0^\circ \pm 5^\circ$)

SYSTEM RATING PLATE

A) Name or logo of the manufacturer / reseller:

B) Type designation:

C) Sign stating that the instructions for use must be complied with:

D) Number of the applicable standard:

E) Approved shuttles:

It is imperative to consider the respective instructions for use! This applies particularly to section 10 (Personal protective equipment) & 11 (Instructions for use)!

F) Maximum number of people who can be secured:

G) Designation:

H) Year installed:

I) Date of next annual inspection:

J) Name and address of the installation company:

INNOTECH

TAURUS



EN 795:2012 Type D

Suitable shuttles are approved by the fitter through marking with a cross ☒

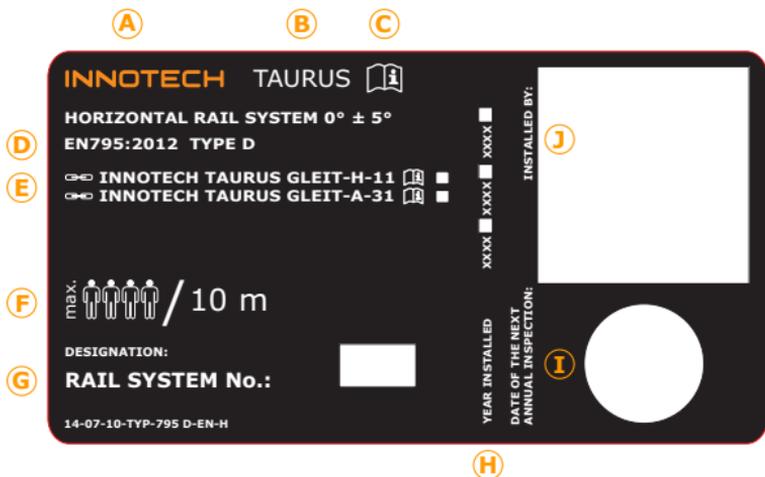
Max. 4 for each 10 m run of rail (including 1 person for first-aid administration)

Rail system no.:

Year installed: ☒

Date of next annual inspection

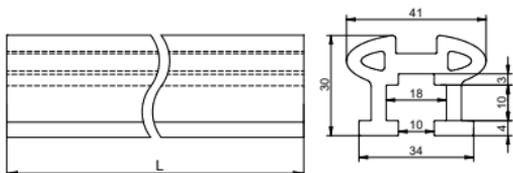
Installed by



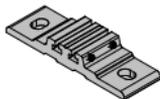
▶ HORIZONTAL RAIL SYSTEM ($0^\circ \pm 5^\circ$)**RAIL****TAURUS RAIL-10:** (Aluminium)

L = 3,000 mm, 6,000 mm

for additional models, see section [16]

**RAIL FASTENINGS****TAURUS BEF-10:** (Aluminium)

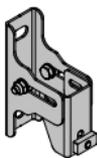
For concrete and steel constructions

**TAURUS BEF-12:** (Stainless steel AISI 304)

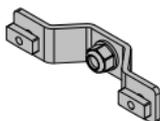
For steel constructions

**TAURUS BEF-20:** (Stainless steel AISI 304)

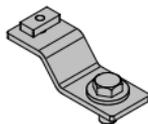
For facades

**TAURUS BEF-21:** (Stainless steel AISI 304)

For overhead applications

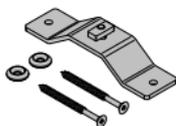
**TAURUS BEF-30:** (Stainless steel AISI 304)

For fastening on INNOTECH anchorage points

**TAURUS BEF-41:** (Aluminium)

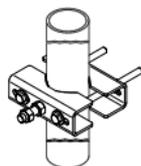
For wood

Comply with installation clearances



▶ HORIZONTAL RAIL SYSTEM ($0^\circ \pm 5^\circ$)

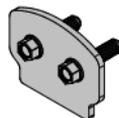
BEF-810/BEF-811: (galvanised steel)
Fastening set for clamping to pipework structures
in combination with TAURUS BEF-21/TAURUS BEF-30



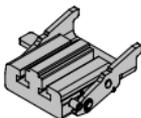
BEF-840/BEF-841 + BEF-830-.. : (galvanised steel)
Fastening set for clamping to I-form load-bearing structures
in combination with TAURUS BEF-21/TAURUS BEF-30

RAIL TERMINALS

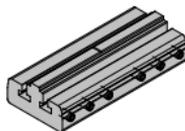
TAURUS EA-10: (Stainless steel AISI 304)
no entry possible (terminal for a rail section)



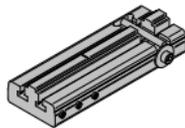
TAURUS EA-11: (Aluminium, stainless steel AISI 304)
Entry and exit for shuttles

RAIL CONNECTORS

TAURUS VB-10: (Aluminium)
Connecting element of two "TAURUS RAIL-..." rail elements



TAURUS VB-11: (Aluminium)
Connecting element of two "TAURUS RAIL-..." rail elements
with elongation adjustment
(recommended for significant temperature variations,
oscillations and vibrations, for system lengths > 30 m)



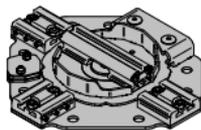
TAURUS VB-12: (Steel)
Attention: may only be used in combination with "TAURUS BEF-12"
For alignment of two "TAURUS RAIL-..." rail elements



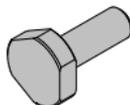
9

9.1
COMPONENTSHORIZONTAL RAIL SYSTEM ($0^\circ \pm 5^\circ$)TURNTABLE GATE

TAURUS DW-10: (Aluminium, stainless steel AISI 304)
Turntable gate for three "TAURUS RAIL ..." rail elements

ACCESSORY

TAURUS PS-H-11: (Stainless steel AISI 304)
Guide bolt for TAURUS GLEIT-H-11



The components are supplied with installation instructions which are also available for download on the **INNOTECH** website! (www.innotech.at)

10

10.1
APPROVED SHUTTLESHORIZONTAL RAIL SYSTEM ($0^\circ \pm 5^\circ$)**TAURUS GLEIT-H-11:**

suitable only for horizontal use ($0^\circ \pm 5^\circ$) and overhead applications!

**TAURUS GLEIT-A-31:**

suitable for horizontal and vertical use!

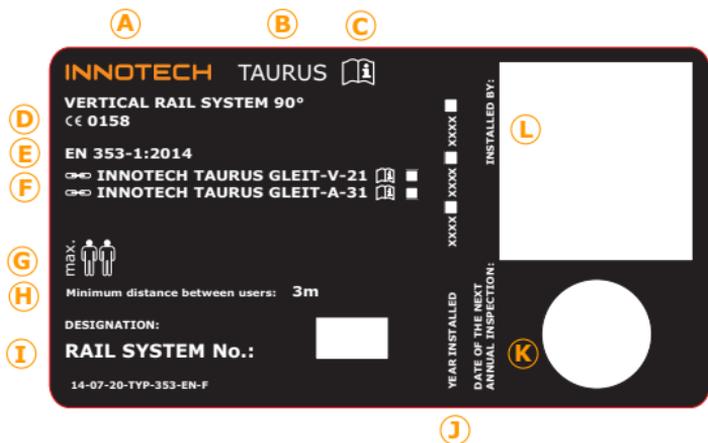


Comply with the personal protective equipment prescribed for the shuttle being used (refer to its instructions for use).

VERTICAL RAIL SYSTEM (90°)

SYSTEM RATING PLATE

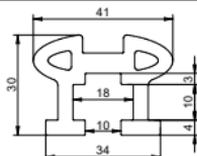
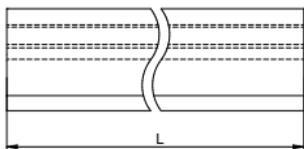
- A) Name or logo of the manufacturer / reseller:** INNOTECH
B) Type designation: TAURUS
C) Sign stating that the instructions for use must be complied with: 
D) DEKRA Testing and Certification GmbH: CE 0158
E) Number of the applicable standard: EN 353-1:2014
F) Approved shuttles: Suitable shuttles are approved by the fitter through marking with a cross ☒
 It is imperative to consider the respective instructions for use! This applies particularly to section 10 (Personal protective equipment) & 11 (Instructions for use)!
- G) Maximum number of people who can be secured:** Max 2 (including 1 person for first-aid administration)
H) Minimum distance between users: 3 m
I) Designation: Rail system no.:
J) Year installed: Year installed: ☒
K) Date of next annual inspection: Date of next annual inspection
- L) Name and address of the installation company:** Installed by



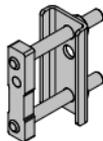
▶ VERTICAL RAIL SYSTEM (90°)

RAIL**TAURUS RAIL-10:** (Aluminium)

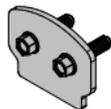
L = 3,000 mm, 6,000 mm

**RAIL FASTENINGS****TAURUS BEF-90:** (Stainless steel AISI 304)

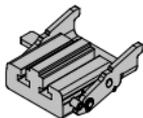
For fastening on ladder rungs

**RAIL TERMINALS****TAURUS EA-10:** (Stainless steel AISI 304)

no entry possible (terminal for a rail section)

**TAURUS EA-11:** (Aluminium, stainless steel AISI 304)

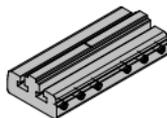
Entry and exit for shuttles

**TAURUS EA-21:** (Stainless steel AISI 304)

For safe access to the rail slider

**RAIL CONNECTORS****TAURUS VB-10:** (Aluminium)

Connecting element of two "TAURUS RAIL-..." rail elements



The components are supplied with installation instructions which are also available for download on the INNOTECH website! (www.innotech.at)



VERTICAL RAIL SYSTEM (90°)

RAIL EXTENSION**TAURUS AS-10:** (Aluminium, stainless steel AISI 304)

Vertical ascent

**TAURUS AS-20:** (Aluminium, stainless steel AISI 304)

vertical sloped ascent



The components are supplied with installation instructions which are also available for download on the **INNOTECH** website! (www.innotech.at)

TAURUS GLEIT-V-21:

suitable only for vertical use (90°)!

**TAURUS GLEIT-A-31:**

suitable for horizontal and vertical use!



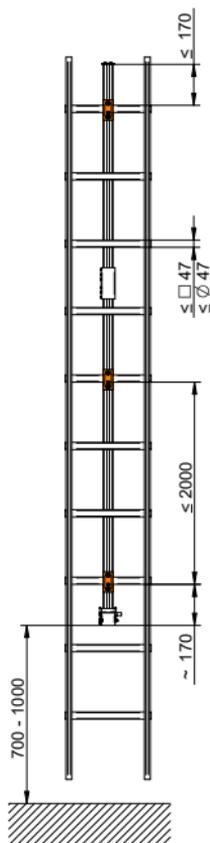
Comply with the personal protective equipment prescribed for the shuttle being used (refer to its instructions for use).

VERTICAL RAIL SYSTEM (90°)



When mounting the vertical rail system "TAURUS" on ladder rungs, do not forget that the ladder and its fastening to the building need to be capable of absorbing or deflecting the forces that occur during a fall. If in doubt whether the capacity of the ladder and its fastening is sufficient in this regard, the vertical rail system "TAURUS" must be fastened to the building by additional means!

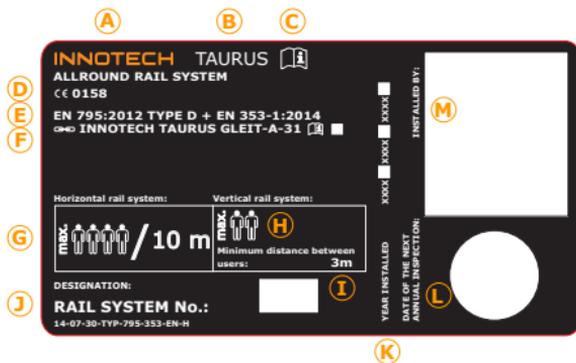
A corresponding rating plate must be attached at each entry point to the system. ("TAURUS TYP-20-XX") XX... Language



▶ ALLROUND RAIL SYSTEM

SYSTEM RATING PLATE

- A) Name or logo of the manufacturer / reseller:** INNOTECH
B) Type designation: TAURUS
C) Sign stating that the instructions for use must be complied with: 
D) DEKRA Testing and Certification GmbH: CE 0158
E) Number of the applicable standard: EN 795:2012 Type D
 EN 353-1:2014
F) Approved shuttles: Suitable shuttles are approved by the fitter through marking with a cross ☒
G) Maximum number of people who can be secured in the horizontal section of the system: Max 4 for each 10 m run of rail (including 1 person for first-aid administration)
H) Maximum number of people who can be secured in the vertical section of the system: Max 2 (including 1 person for first-aid administration)
I) Minimum distance between users in the vertical section of the system: 3 m
J) Designation: Rail system no.:
K) Year installed: Year installed: ☒
L) Date of next annual inspection: Date of the next annual inspection
M) Name and address of the installation company: Installed by





ALLROUND RAIL SYSTEM

INFORMATION SIGN

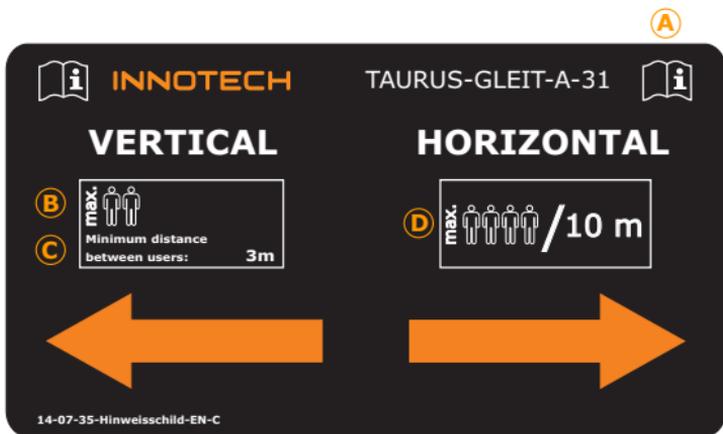
- A) Sign stating that the instructions on how to use the "TAURUS GLEIT-A-31" must be followed:
- B) Maximum number of people who can be secured in the vertical section of the system:
- C) Minimum distance between users in the vertical section of the system:
- D) Maximum number of people who can be secured in the horizontal section of the system:



Max 2 (including 1 person for first-aid administration)

3 m

Max 4 for each 10 m run of rail (including 1 person for first-aid administration)



INFORMATION SIGN: must be attached at each transition between system sections (VERTICAL ↔ HORIZONTAL)

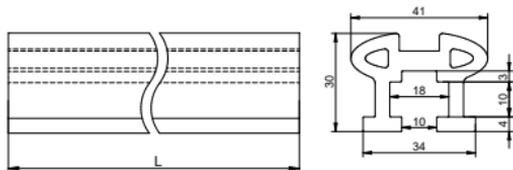


it is imperative to observe CHAPTERS [10 + 11] of the instructions on how to use the "TAURUS GLEIT-A-31"!

▶ ALLROUND RAIL SYSTEM

RAIL

TAURUS RAIL-10: (Aluminium)
L = 3,000 mm, 6,000 mm
for additional models, see section [16]

**RAIL FASTENINGS**

TAURUS BEF-10: (Aluminium)
For concrete and steel constructions



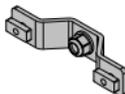
TAURUS BEF-12: (Stainless steel AISI 304)
For steel constructions



TAURUS BEF-20: (Stainless steel AISI 304)
For facades



TAURUS BEF-21: (Stainless steel AISI 304)
For overhead applications



TAURUS BEF-30: (Stainless steel AISI 304)
For fastening on INNOTECH anchorage points



TAURUS BEF-41: (Aluminium)
For wood
Comply with installation clearances

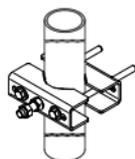


TAURUS BEF-90: (Stainless steel AISI 304)
For fastening on ladder rungs

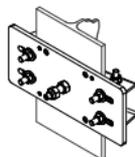


▶ ALLROUND RAIL SYSTEM

BEF-810/BEF-811: (galvanised steel)
Fastening set for clamping to pipework structures
in combination with TAURUS BEF-21/TAURUS BEF-30



BEF-840/BEF-841 + BEF-830-.. : (galvanised steel)
Fastening set for clamping to I-form load-bearing structures
in combination with TAURUS BEF-21/TAURUS BEF-30

**TURNTABLE GATE**

TAURUS DW-10: (Aluminium, stainless steel AISI 304)
Turntable gate for three "TAURUS RAIL ..." rail elements

**RAIL TERMINALS**

TAURUS EA-10: (Stainless steel AISI 304)
No entry possible (terminal for a rail section)



TAURUS EA-11: (Aluminium, stainless steel AISI 304)
Entry and exit for shuttles



TAURUS EA-21: (Stainless steel AISI 304)
For safe access to the rail slider

**RAIL CONNECTORS**

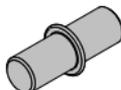
TAURUS VB-10: (Aluminium)
Connecting element of two "TAURUS RAIL-..." rail elements



TAURUS VB-11: (Aluminium)
Connecting element of two "TAURUS RAIL-..." rail elements
with elongation adjustment
(recommended for significant temperature variations,
oscillations and vibrations, for system lengths > 30 m)



TAURUS VB-12: (Steel)
Attention: may only be used in combination with "TAURUS BEF-12"
For alignment of two "TAURUS RAIL-..." rail elements



The components are supplied with installation instructions which are also available for download on the INNOTECH website! (www.innotech.at)

**TAURUS GLEIT-A-31:**

suitable for horizontal and vertical use!



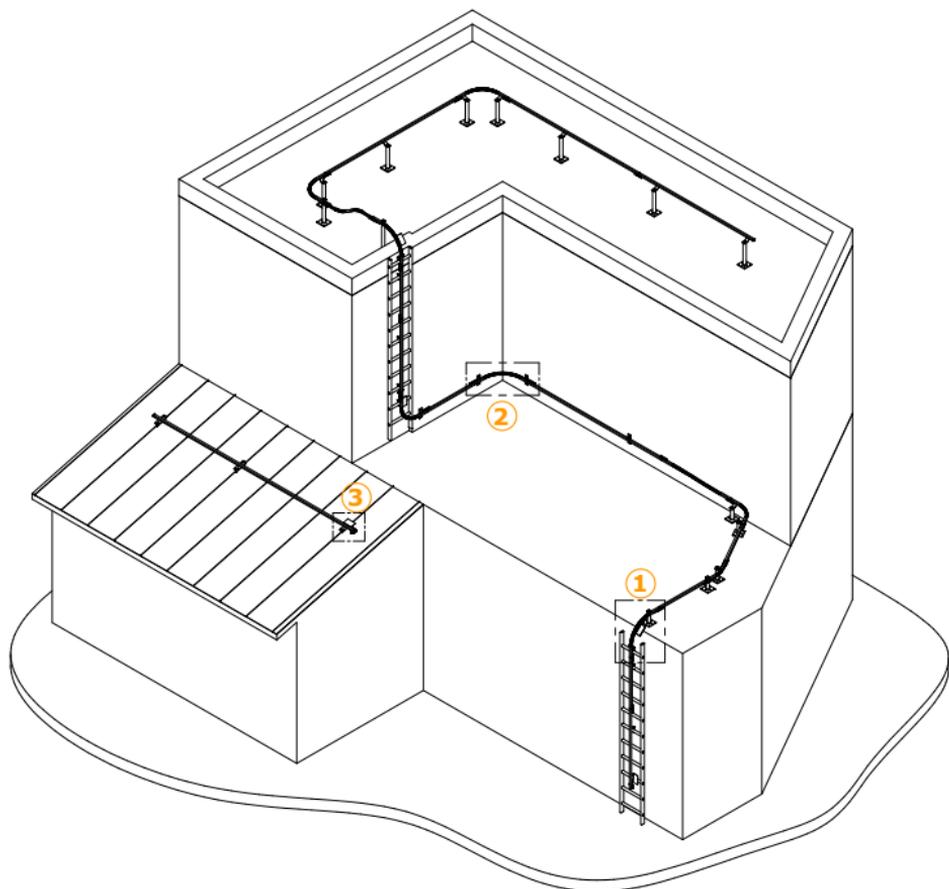
Comply with the personal protective equipment prescribed for the shuttle being used (refer to its instructions for use).

▶ ALLROUND RAIL SYSTEM



When mounting the allround rail system "TAURUS" on ladder rungs, do not forget that the ladder and its fastening to the building need to be capable of absorbing or deflecting the forces that occur during a fall. If in doubt whether the capacity of the ladder and its fastening is sufficient in this regard, the allround rail system "TAURUS" must be fastened to the building by additional means!

A corresponding rating plate must be attached at each entry point to the system. ("TAURUS TYP-30-XX") XX... Language



▶ ALLROUND RAIL SYSTEM

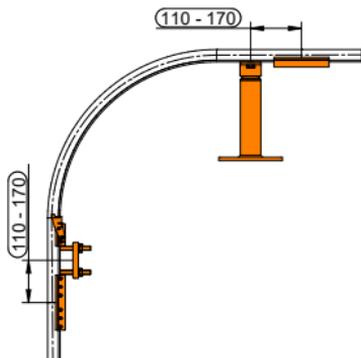
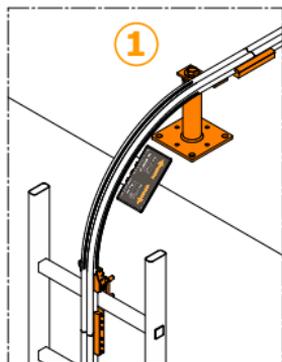
For the installation distances of the horizontal and the vertical rail system, refer to chapters [11.1 (horizontal) + 11.2 (vertical)].



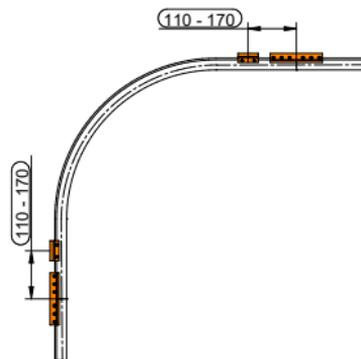
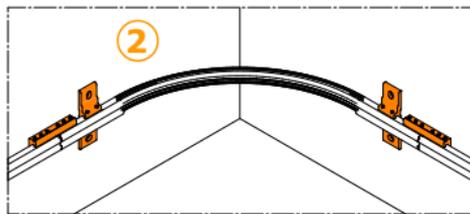
All curves and bends must be fastened twice:

Distance: 110 mm – 170 mm before the end of the curve/bend!

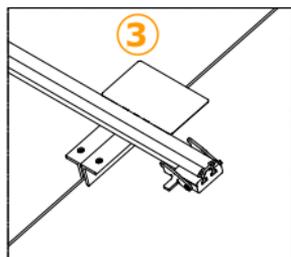
Installation example:



Installation example:



Installation example:



(e.g.: installation on a standing seam roof with entry and exit + rating plate)

ACCEPTANCE LOG (PART 1/3)

R A I L S Y S T E M

ORDER NUMBER:

PROJECT:

CLIENT:

Specialist:



Company address:

CONTRACTOR:

Specialist:



Company address:

INSTALLATION: RAIL SYSTEM (☒ mark with a cross where applicable!)

- HORIZONTAL** (EN 795:2012 Type D)
- VERTICAL** (EN 353-1:2014)
- ALLROUND** (EN 795:2012 Type D, EN 353-1:2014)

DESIGNATION: Rail system no.: _____

Specialist:



Company address:

FASTENER & PHOTO DOCUMENTATION

RAIL FASTENING SET: units **BEF-** _____

(Attachment set which is connected directly to the rail, e.g. BEF-10, BEF-12 etc.)

WHEN INSTALLING THE RAIL FASTENING SET TO INNOTECH ANCHORAGE POINTS:

(state the exact type designation, year of construction, and serial number, e.g. AIO STA-10-300/2012-05)

WHEN INSTALLING THE RAIL FASTENING SET TO LADDER RUNGS: (VERTICAL/ALLROUND)

Rung clamp torque: _____ Nm

INSTALLATION SUBSTRATE (on the building): _____

(e.g.: solid concrete quality: C20/25; timber rafter dimensions; for steel constructions: profile, dimensions; for sheet metal roofs: roof manufacturer, profile, material, sheet metal thickness; etc.)

Date:	Location: (e.g.: hall 7)	Dowel type ¹ :	Setting depth/ Penetration depth:	Drill bit Ø:	Tightening torque:	Photos (storage location):
			mm	mm	Nm	

¹... Bolt designation/adhesive/BEF supports (optional) etc. (e.g.: FIS SB 390 S/BEF-104 etc.)

ACCEPTANCE LOG (PART 2/3)

R A I L S Y S T E M

DIFFERENT FASTENINGS / ANCHORAGE POINTS (TYPES, INSTALLATION SUBSTRATES, SERIAL NUMBERS, ETC) MUST BE SPECIFICALLY LISTED!

RAIL FASTENING SET: units **BEF-**_____

(Attachment set which is connected directly to the rail, e.g. BEF-10, BEF-12 etc.)

WHEN INSTALLING THE RAIL FASTENING SET TO INNOTECH ANCHORAGE POINTS:

(state the exact type designation, year of construction, and serial number, e.g. AIO STA-10-300/2012-05)

WHEN INSTALLING THE RAIL FASTENING SET TO LADDER RUNGS: (VERTICAL/ALLROUND)

Rung clamp torque: _____ Nm

INSTALLATION SUBSTRATE (on the building): _____

(e.g.: solid concrete quality: C20/25; timber rafter dimensions; for steel constructions: profile, dimensions; for sheet metal roofs: roof manufacturer, profile, material, sheet metal thickness; etc.)

Date:	Location: (e.g.: hall 7)	Dowel type ¹ :	Setting depth/ Penetration depth:	Drill bit Ø:	Tightening torque:	Photos (storage location):
			mm	mm	Nm	

¹... Bolt designation/adhesive/BEF supports (optional) etc. (e.g.: FIS SB 360 S/BEF-104 etc.)

DIFFERENT FASTENINGS / ANCHORAGE POINTS (TYPES, INSTALLATION SUBSTRATES, SERIAL NUMBERS, ETC) MUST BE SPECIFICALLY LISTED!

RAIL FASTENING SET: units **BEF-**_____

(Attachment set which is connected directly to the rail, e.g. BEF-10, BEF-12 etc.)

WHEN INSTALLING THE RAIL FASTENING SET TO INNOTECH ANCHORAGE POINTS:

(state the exact type designation, year of construction, and serial number, e.g. AIO STA-10-300/2012-05)

WHEN INSTALLING THE RAIL FASTENING SET TO LADDER RUNGS: (VERTICAL/ALLROUND)

Rung clamp torque: _____ Nm

INSTALLATION SUBSTRATE (on the building): _____

(e.g.: solid concrete quality: C20/25; timber rafter dimensions; for steel constructions: profile, dimensions; for sheet metal roofs: roof manufacturer, profile, material, sheet metal thickness; etc.)

Date:	Location: (e.g.: hall 7)	Dowel type ¹ :	Setting depth/ Penetration depth:	Drill bit Ø:	Tightening torque:	Photos (storage location):
			mm	mm	Nm	

¹... Bolt designation/adhesive/BEF supports (optional) etc. (e.g.: FIS SB 390 S/BEF-104 etc.)

ACCEPTANCE LOG (PART 3/3)

R A I L S Y S T E M

DIFFERENT FASTENINGS / ANCHORAGE POINTS (TYPES, INSTALLATION SUBSTRATES, SERIAL NUMBERS, ETC) MUST BE SPECIFICALLY LISTED!**RAIL FASTENING SET:** units **BEF-**_____

(Attachment set which is connected directly to the rail, e.g. BEF-10, BEF-12 etc.)

WHEN INSTALLING THE RAIL FASTENING SET TO INNOTECH ANCHORAGE POINTS:

(state the exact type designation, year of construction, and serial number, e.g. AIO STA-10-300/2012-05)

WHEN INSTALLING THE RAIL FASTENING SET TO LADDER RUNGS: (VERTICAL/ALLROUND)

Rung clamp torque: _____ Nm

INSTALLATION SUBSTRATE (on the building): _____

(e.g.: solid concrete quality: C20/25; timber rafters dimensions; for steel constructions: profile, dimensions; for sheet metal roofs: roof manufacturer, profile, material, sheet metal thickness; etc.)

Date:	Location: (e.g.: hall 7)	Dowel type ¹ :	Setting depth/ Penetration depth:	Drill bit Ø:	Tightening torque:	Photos (storage location):
			mm	mm	Nm	

¹... Bolt designation/adhesive/BEF supports (optional) etc. (e.g.: FIS SB 390 S / BEF-104 etc.)

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

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: shuttle, personal protective equipment PPE, fall arrest device HSG, storage cabinet, etc.)
 units _____ units _____ units _____ units _____
Comments: _____

Name: Client _____

Installer of rail system _____

Date, company stamp, signature _____

Date, company stamp, 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 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 device:

**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.

14 TEST LOG

TEST LOG (PART 1/2)

R A I L S Y S T E M

ORDER NUMBER: _____

PROJECT: _____

ANNUAL SYSTEM INSPECTION EXECUTED ON: _____

LATEST DATE FOR NEXT SYSTEM INSPECTION: _____

CLIENT: Specialist:



Company address: _____

CONTRACTOR: Specialist:



Company address: _____

INSPECTION POINTS: checked and in order

DEFECTS DETECTED:
(Description of defect/measures)

DOCUMENTATION:

Instructions for installation and use ("TAURUS" rail system, "TAURUS" shuttle etc.)

Acceptance logs/photo documentation

PPE (personal protective equipment against falls from a height):
Inspection in accordance with manufacturer's specifications

Expiration date

Annual inspection performed

Not checked (no authorisation)

RAIL FASTENING:

No deformation

No corrosion

Firmly seated

ALUMINIUM RAIL:

No damage

No deformation

.....

14 TEST LOG

TEST LOG (PART 2/2)

R A I L S Y S T E M

INSPECTION POINTS: checked and in order

DEFECTS DETECTED:
(Description of defect/measures)

TERMINALS FOR RAILS:

No deformation

Firmly seated

TAURUS-EA-11: Mechanism works (suspension)

RAIL CONNECTORS:

No deformation

No corrosion

Firmly seated

No displacement of rail, no distance between the two "TAURUS RAIL-..."

GLEIT-... : (see corresponding instructions for installation and use "TAURUS GLEIT-...")

Easy movement of the running rollers

Anchorage eye can be turned easily ("TAURUS GLEIT-V-21")

No corrosion

No deformation (e.g.: dislocation of the running rollers)

Indications of wear or bearing damage

No damage

Firm seating of the glued-in threaded connections (see product description)

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

Name: _____

Client

Inspection: contractor
(expert who is familiar with the safety system)

Date, company stamp, signature

Date, company stamp, signature

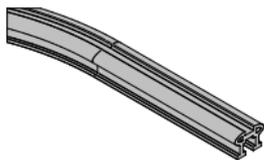
INNOTECH Arbeitsschutz GmbH, Laizing 10, 4656 Kirchham/Austria
www.innotech.at



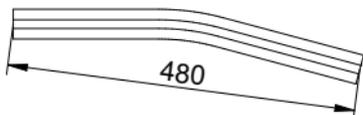
▶ for HORIZONTAL and ALLROUND RAIL SYSTEM

TAURUS RAIL-20:

with a radius of 320 mm and 200 mm, straight ledge.

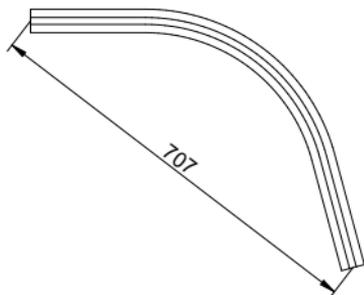


15°



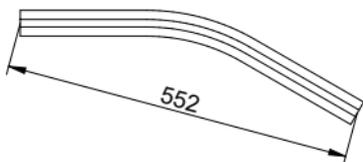
480

75°



707

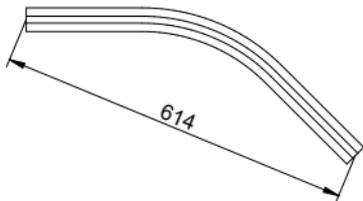
30°



552

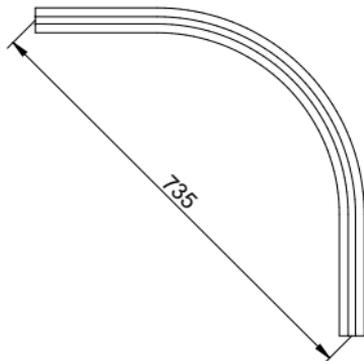
Dimensions in [mm]

45°



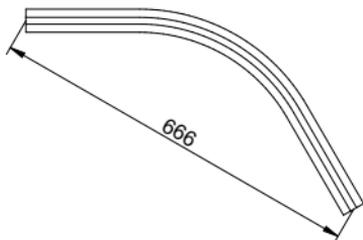
614

90°



735

60°



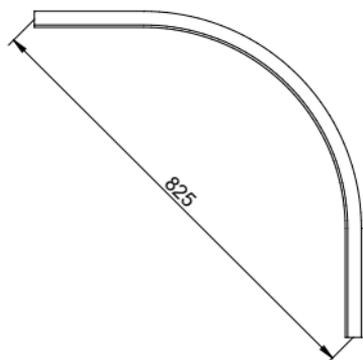
666

▶ for HORIZONTAL and ALLROUND RAIL SYSTEM

TAURUS RAIL-30: (outer rail bend)

with a radius of 385 mm and 200 mm, straight ledge.

90°



Dimensions in [mm]

TAURUS RAIL-40: (inner rail bend)

with a radius of 385 mm and 200 mm, straight ledge.

90°

