

# ZERTIFIKAT CERTIFICATE

**Zertifikatsinhaber:** ST Quadrat S.A.  
**Applicant:** 6776 Grevenmacher / Potaschberg, Luxemburg

**Produkt:** Seitenschutzsystem  
**Product:** Edge protection system

**Handelsname(n):** LUX-top® G-T DIREKT

**Trade name(s):** LUX-top® G-T DIREKT

**Typ(en)/Modell(e)/Artikel-Nr(n):** LUX-top® G-T DIREKT

**Type(s)/model(s)/article no(s):**

**Produktkenndaten:** Temporäres Seitenschutzsystem Klasse A  
**Product specifications:** Temporary edge protection system class A

**DEKRA Testing and Certification GmbH erklärt hiermit, dass das oben genannte Produkt den Anforderungen des Produktsicherheitsgesetzes hinsichtlich der Gewährleistung von Sicherheit und Gesundheit entspricht und auf folgender Grundlage zertifiziert worden ist (Abschnitt 5 ProdSG):**

DEKRA Testing and Certification GmbH hereby declares that the above-mentioned product is in conformity with the requirements of the Product Safety Act with respect to ensuring safety and health and has been certified on the basis of (Chapter 5 ProdSG):

- **Hersteller-Zertifizierungsvertrag:** FRM-90.46  
Manufacturer's certification contract:
- **Prüfgrundlagen:** DIN EN 13374:2013  
Test requirements: EN 13374:2013
- **Fertigungsstätte(n):** ST Quadrat S.A.  
Factory location(s): 5410 Beyren, Luxemburg

**Einzelheiten, wie Prüfergebnisse und zugelassene Komponenten, sind in folgenden Dokumenten niedergelegt:**  
Details like test results and approved components are laid down in following documents:

- **Zertifizierungsakten-Nr(n):** 20190273  
Certification file no(s):
- **Prüfbericht(e)/Projektnummer(n):** PB 19-143  
Test report(s)/project number(s):

**Das abgebildete GS-Zeichen darf vom Zertifikatsinhaber für die Dauer der Gültigkeit dieses Zertifikates und unter den Bedingungen des Zertifizierungsvertrages auf den in diesem Zertifikat beschriebenen Produkten angebracht werden. Die Gültigkeit dieses Zertifikats kann jederzeit vorzeitig aufgehoben werden.**

The shown GS mark may be applied by the licensee to products as specified in this certificate for the duration of this certificate and under the conditions of the certification contract. The validity of this certificate can be terminated prematurely at any time.

**Das Zertifikat wurde ausgegeben am:** 08.08.2019

This certificate was issued on:

**Es wird spätestens ungültig am:** 07.08.2024

It expires at the latest on:

**Zertifikats-Nr.:** ZP/B175/19-GS

Certificate no.:

**DEKRA Testing and Certification GmbH**

**Jörg-Timm Kilisch**  
**Geschäftsführer**  
Managing Director

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**Zusätzliche Informationen**  
Additional Information

The edge-protection system of type LUX-top® G-T DIREKT and its variants (Fig. 1-5) is used for the collective protection of people against falls from a height. It is mounted on plane surfaces.

The system is mounted to the individual roof construction or at the parapet using either direct assembly or adapters. Here, it is also possible to bypass heat insulation. For this purpose, adapters adjusted to the specific structure are used between the lower end of the post or the base element and the mounting surface.

The basis of the edge-protection system are the base elements which are either rigid or foldable and inclinable; the base element consists of either a straight or a bent rail post and the respective fastening unit. The fastening unit which consists of edged steel sheets or brackets is used to mount the post to either the structure or the adapters.

The LUX-top® G-T – DIREKT base element (Fig. 6-9) can be folded and inclined by means of the fastening unit using a drilled catch and splints. Fig. 10-11 show the LUX-top® G-T – DIREKT WD base element in its rigid version. The assembly is done to a support which is welded to a base plate.

The LUX-top® G-T – DIREKT WD II base element (Fig. 12-14) consists of a base plate with sleeve and pipe; it is available in a rigid as well as in a foldable and inclinable version.

At the variant LUX-top® G-T DIREKT AT (Fig. 15-17) the post is assembled using the cantilevers at the parapet.

Two ends of rail pipes are joined using a butt connector (Fig. 18).

To realise corner structures, it is also possible to assemble corner connectors (Fig. 19-20). At overhanging ends of up to 100 mm length, the protective cap (Fig. 21) can be inserted into the guardrails and intermediate rails.

If the overhanging end is longer than 100 mm, the connection of guardrails and intermediate rails is achieved by means of the LUX-top® G-T pipe end connector 570 (Fig. 22).

Rail corners of foldable systems are connected using the LUX-top® G-T corner protection (Fig. 23).

For each rail section, one LUX-top® G-T diagonal bar is inserted between the guardrails and intermediate rails (Fig. 24). Assembly of the board plate (Fig. 25) may not be necessary provided a parapet of a minimum height of 150 mm is in place. The board plate can also be mounted disregarding the version of the base element.

The guard rails and intermediate rails are connected with the posts by means of the LUX-top® G-T rail pipe brackets (Fig. 26-31).

Entering and leaving the work area is made possible by the access door (Fig. 32-33).

The top guardrail is 1100 mm high, and the distance between the guardrail and the intermediate rail is 470 mm. Each rail is of a diameter of 40 mm. The maximum field length is 2.0 m.

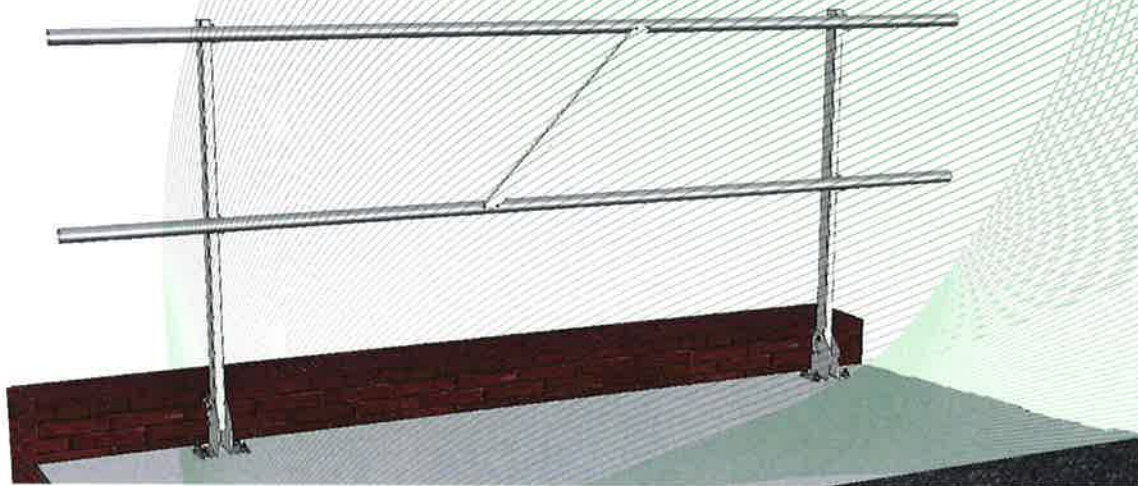


Fig. 1: LUX-top® G-T DIREKT, for direct assembly on the roof structure without heat insulation (assembly example)



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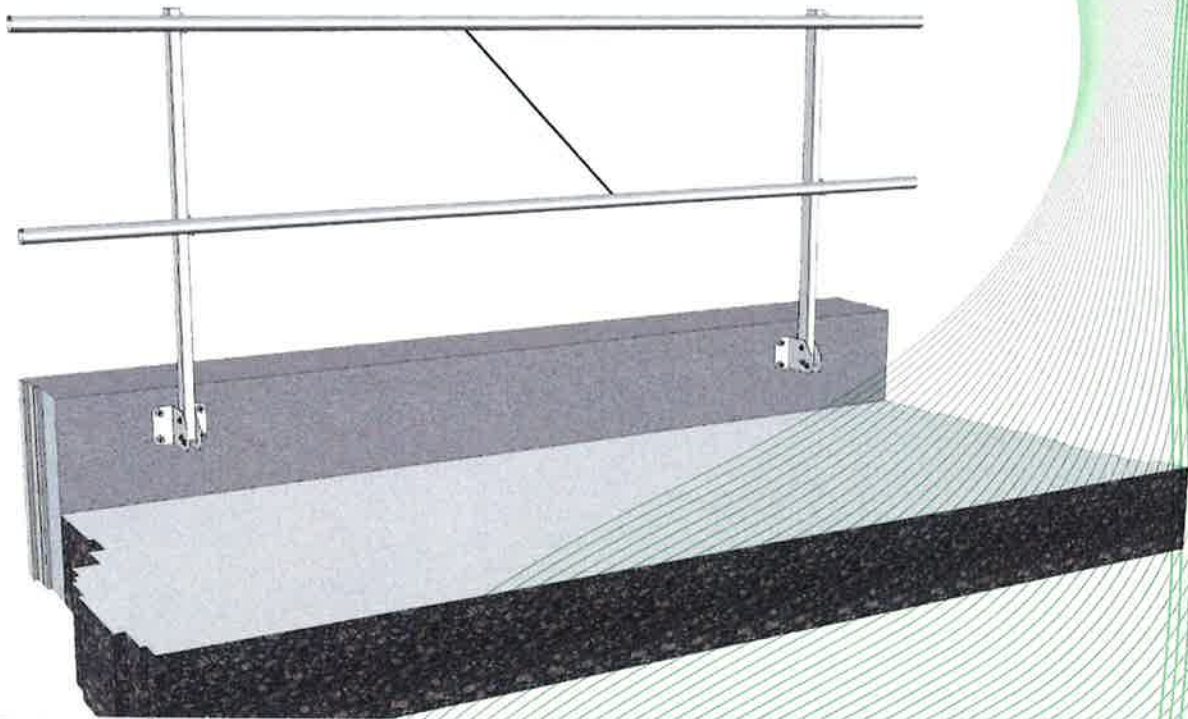


Fig. 2: LUX-top® G-T DIREKT, for direct assembly at the parapet without heat insulation (assembly example)

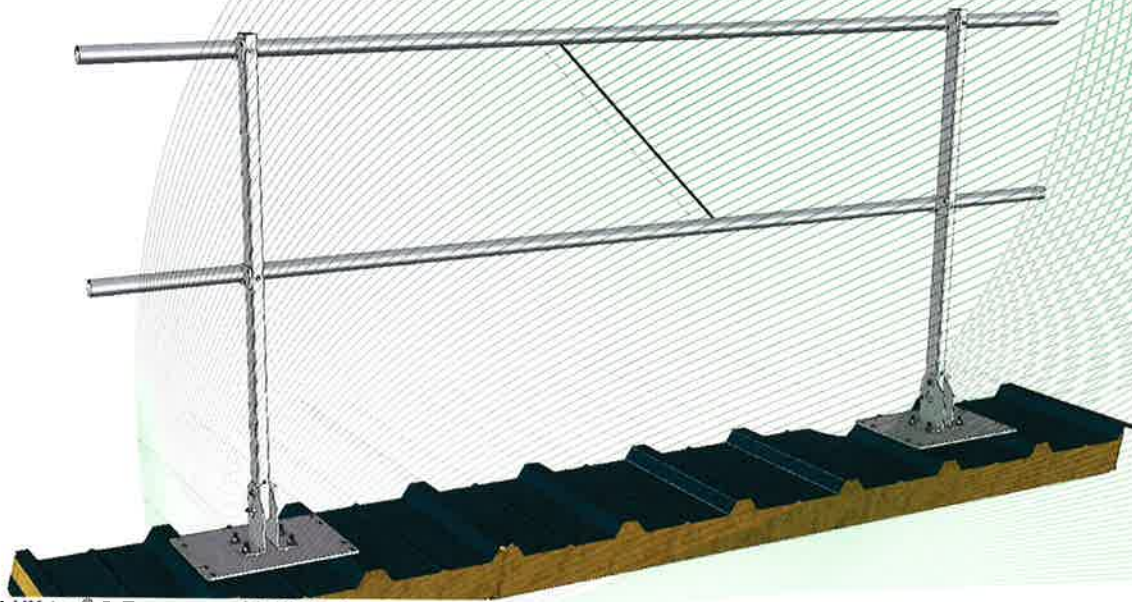


Fig. 3: LUX-top® G-T DIREKT with RVT adapter board (assembly example)



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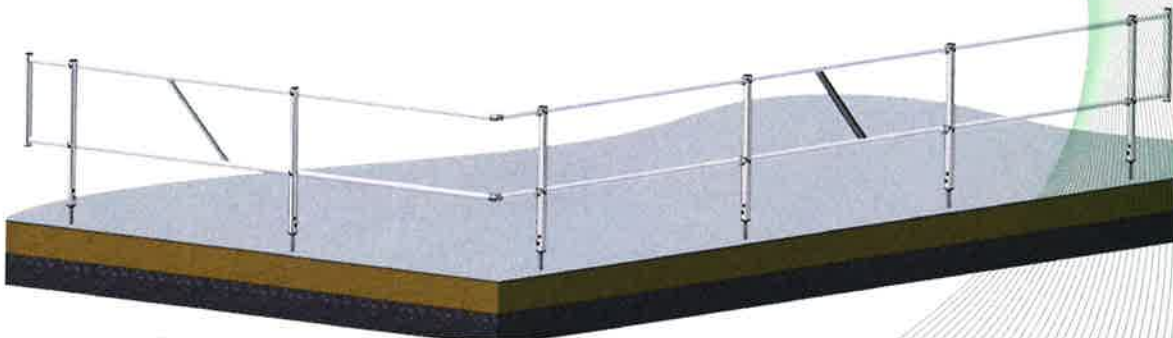


Fig. 4: LUX-top® G-T DIREKT WD, to bypass heat-insulated surfaces (assembly example)

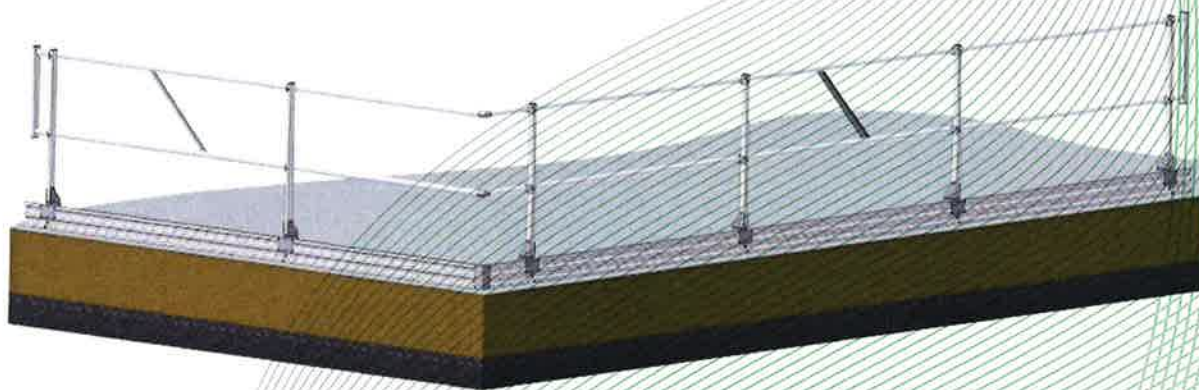


Fig. 5: LUX-top® G-T DIREKT WD II, to bypass heat-insulated surfaces (assembly example), here with board plate



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Fig. 6-7: LUX-top® G-T – DIREKT base element with straight post (left) and optional bent post, single (right)

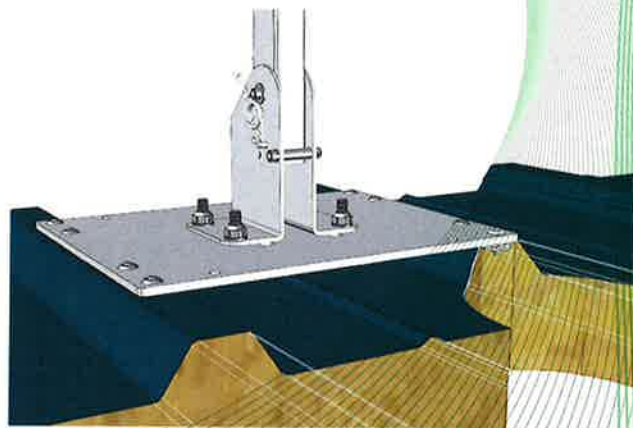


Fig. 8: LUX-top® G-T – DIREKT base element with RVT adapter board

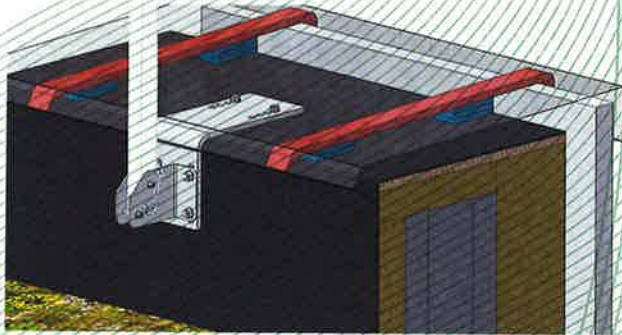


Fig. 9: LUX-top® G-T – DIREKT base element with adapter board for parapet

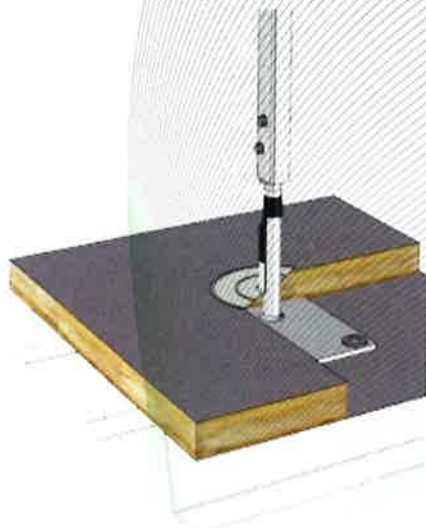


Fig. 10-11: LUX-top® G-T – DIREKT WD base element consisting of a base plate with support and rigid post mounted onto it; optionally also available as bent variant





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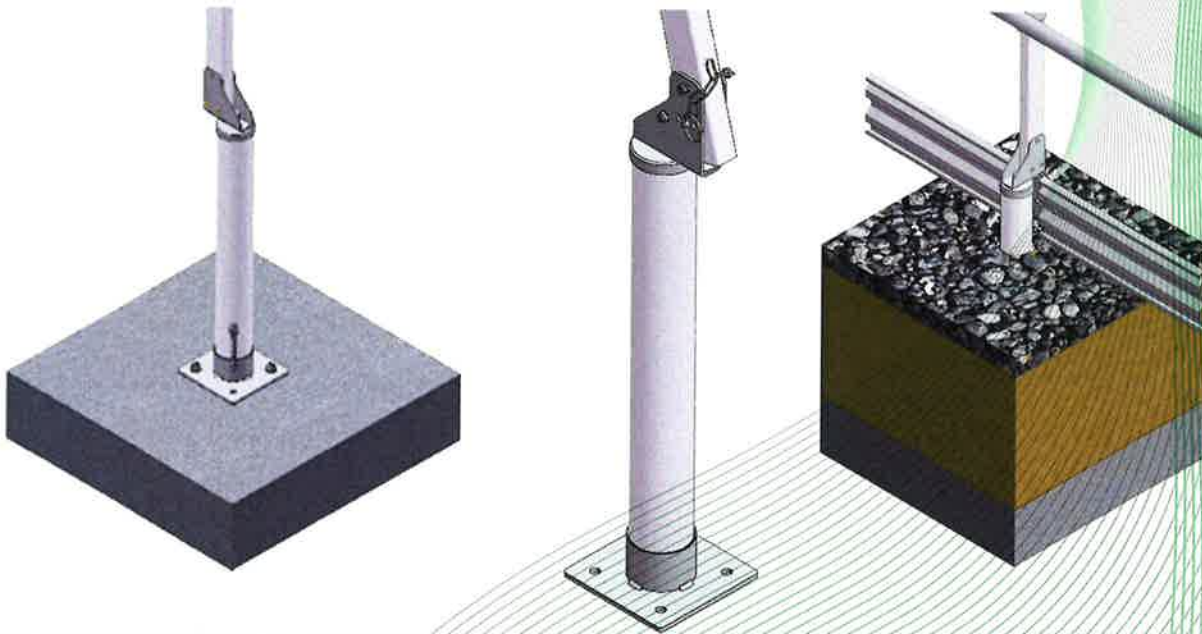


Fig. 12-14: LUX-top® G-T – DIREKT WD II base element consisting of the base plate with sleeve and pipe; the post mounted to it (straight or bent variant) can be rigid or foldable and inclined. The board plate shown is optional.

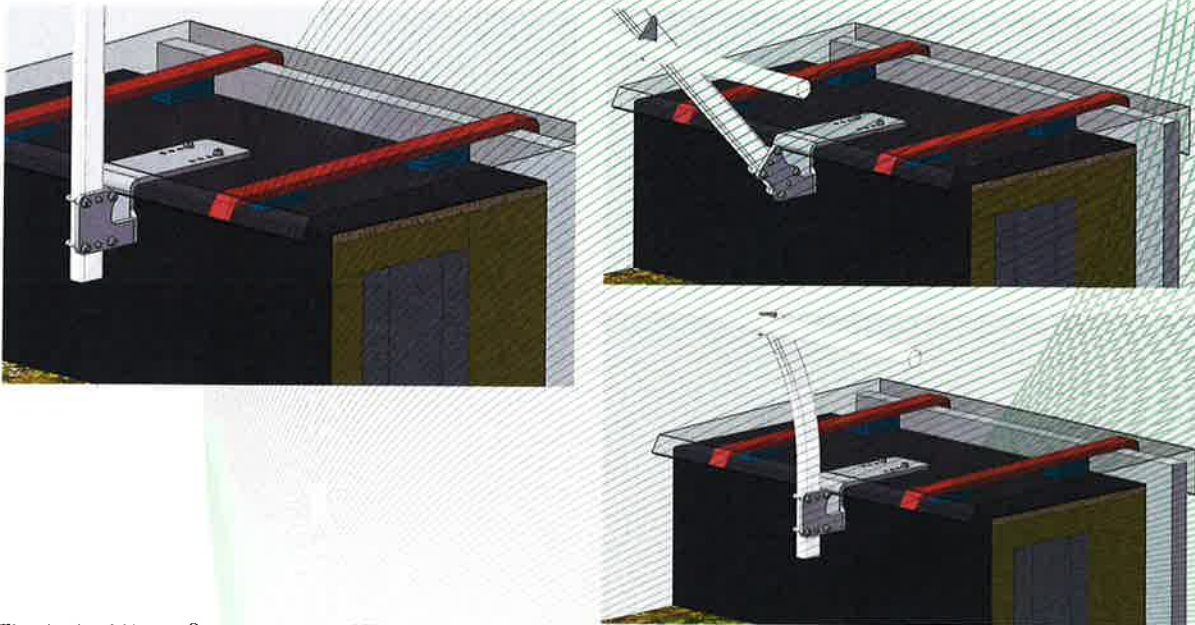


Fig. 15-17: LUX-top® G-T – DIREKT AT base element; the straight or bent post is assembled to the structure using the cantilevers and two brackets each



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Fig. 18: Rail pipe with butt connector



Fig. 19-20: LUX-top G-T – corner connector 90° and corner connector variable



Fig. 21: Protective cap



Fig. 22: LUX-top G-T – pipe end connector 570

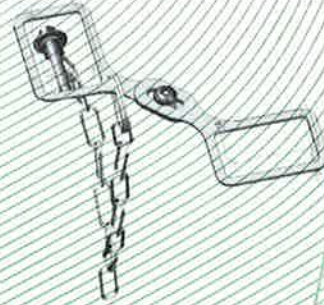


Fig. 23: LUX-top® G-T – corner protection



Fig. 24: LUX-top® G-T diagonal bar



Fig. 25: Board plate



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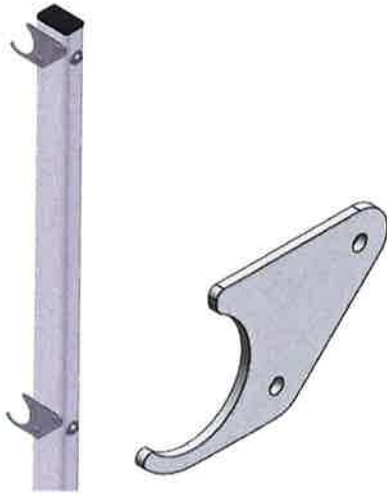


Fig. 26-27: LUX-top® G-T rail pipe bracket I

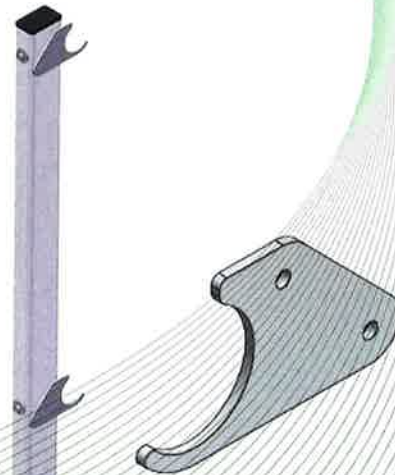


Fig. 28-29: LUX-top® G-T rail pipe bracket II

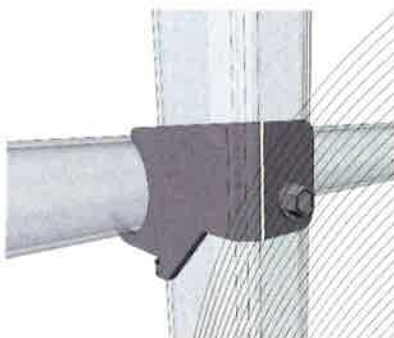


Fig. 30-31: LUX-top® G-T rail pipe bracket variable

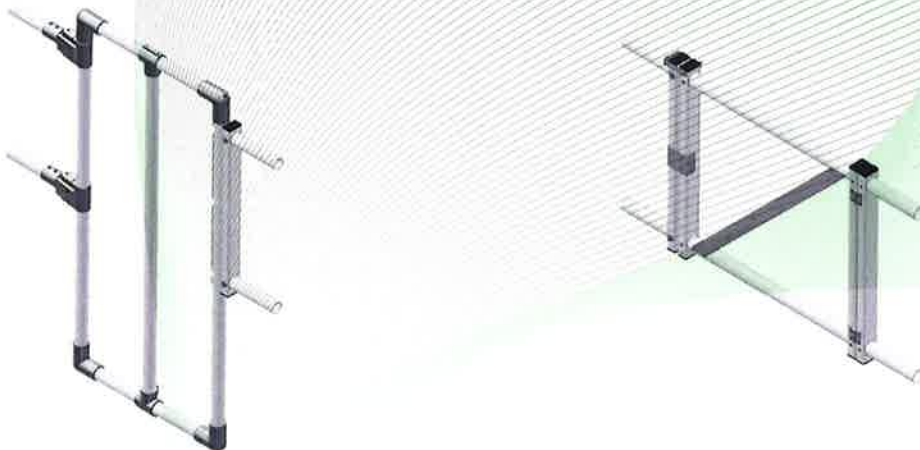


Fig. 32-33: Access doors: LUX-top® G-T and LUX-top® G-T ECO

