

(1) **Type Examination Certificate**

(2) On the award of the GS mark in accordance with the provisions of the Act on making products available on the market (Product Safety Act – ProdSG)

(3) No. of Type Examination Certificate: **ZP/B005/16-GS** replaces ZP/B067/13-GS(4) Product: **Edge protection system class A**  
**Type: LUX-top® G-T**(5) Manufacturer: **ST Quadrat S.A., 11 rue Flaxweiler**  
**6776 Grevenmacher / Potaschberg, Luxemburg**(6) Address: **ST Quadrat Fall Protection S.A., 45 rue Fuert**  
**5410 Beyren, Luxemburg**

(7) The design and construction as well as the description of this product are specified in the schedule to this type examination certificate.

(8) The examined type specimen satisfies the requirements of Article 21(1) ProdSG. The holder of the certificate has taken appropriate measures to ensure the conformity of the manufactured products with the examined type. The holder of the certificate has submitted himself to have the lawful use of the GS mark and the monitoring of the manufacturing process inspected at regular intervals by the authorised body (§ 21(5) ProdSG and § 22(1) ProdSG). The results of this inspection are recorded in the test and assessment report PB 16-007.

(9) The requirements of the ProdSG are assured by compliance with:

**DIN EN 13374:2013**

(10) The owner of the certificate is entitled to apply a permanent label bearing the GS mark on those products that comply with the examined types.



(11) The GS mark shall be withdrawn if the conditions stipulated in § 21(1) ProdSG change or if the requirements stipulated in § 21(5) ProdSG and § 22(1) ProdSG are not complied with.

(12) This Type Examination Certificate is valid until 2021-01-19.

DEKRA EXAM GmbH  
Bochum, 2016-01-20signed: Wiegand  
Certification bodysigned: Mühlenbruch  
Special services unit

We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

  
Certification body


  
Special services unit

## TRANSLATION

- (13) Appendix to
- (14) **Type Examination Certificate  
ZP/B005/16-GS**
- (15) 15.1 Subject and Type  
Edge protection system class A  
Type: LUX-top® G-T

### 15.2 Description

The edge protection system of type LUX-top® G-T (Fig. 1-2) is used for the collective protection of people against falls from a height. It is mounted on plane surfaces.

To position the edge protection system and to secure it against sliding and tilting, the system is ballasted with appropriate weights. That means that weights are placed inside the cantilever arm (LUX-top® G-T counterweight suspender) of the post (LUX-top® G-T base element). At the bottom of the cantilever arm, a non-slide cover has been fixed.

The side protection can be unfolded either by using a joint or by removing the locking bolt inside the LUX-top® G-T foot (Fig. 3-4). Two ends of rail sections are joined by means of a butt connector (Fig. 5). To implement the corner structures, corner connectors can be assembled (Fig. 6-7). At overhanging ends of up to 100 mm length, the protective cap (Fig. 8) 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. 9-10).

The guardrails and intermediate rails are connected with the posts by means of the LUX-top® G-T rail pipe brackets (Fig. 11-12). Individual modules which are placed at angles to each other are positioned either by using the LUX-top® G-T corner with its corner connectors or by the LUX-top® G-T corner and its corner set (Fig. 13-14). For each rail section, one LUX-top® G-T diagonal bar is inserted between the guardrails and intermediate rails (Fig. 15-16). A mounting of the board plate (Fig. 17-21) may not be necessary provided a parapet of a minimum height of 150 mm is in place. Entering and leaving the work area is made possible by the access door (Fig. 22-23). Fig. 24 shows the components mentioned and assembled as the installation variant LUX-top® G-T LIKU. Furthermore, the components of LUX-top® G-T ECO can also be used as an alternative to the standard components of the edge protection system LUX-top® G-T. In that system, the post, including its cantilever arm (LUX-top® G-T ECO base element) and the board plate for optional assembly are used (Fig. 25-27). The corner formation intended for the LUX-top® G-T ECO variant is shown in Fig. 28, and the door specific for that variant is shown in Fig. 29.

The LUX-top® G-T ECO system is weighted by placing standard pavement slabs (50 cm x 25 cm) into the counterweight suspenders. The mass of one counterweight is 11.5 kg. At the initial end and corner posts, the counterweight suspenders need to be equipped with four standard pavement slabs; the counterweight suspenders of the intermediate posts are equipped with two standard pavement slabs. The cantilever profiles and the posts are made of rectangular aluminium profiles (30 mm x 50 mm x 2 mm). The rails (Ø 40 mm) are also made of aluminium. The top guardrail is 1100 mm high, and the distance between the guardrail and the intermediate rail is 470 mm.

The permitted distance between the parapet and the bottom guardrail and between the boarding plate and the bottom guardrail is 470 mm each. Disregarding the variant, the maximum field size is 2.0 m.

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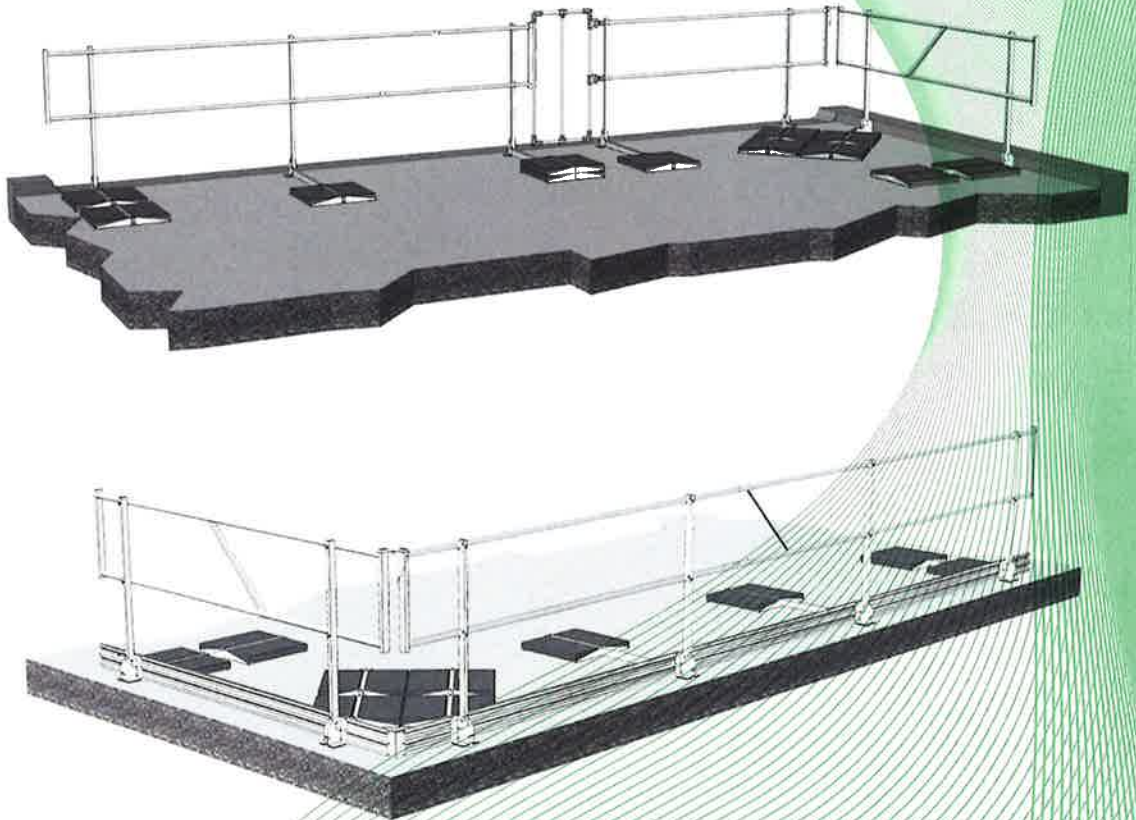


Fig. 1-2: Edge protection system of type LUX-top<sup>®</sup> G-T (overview)

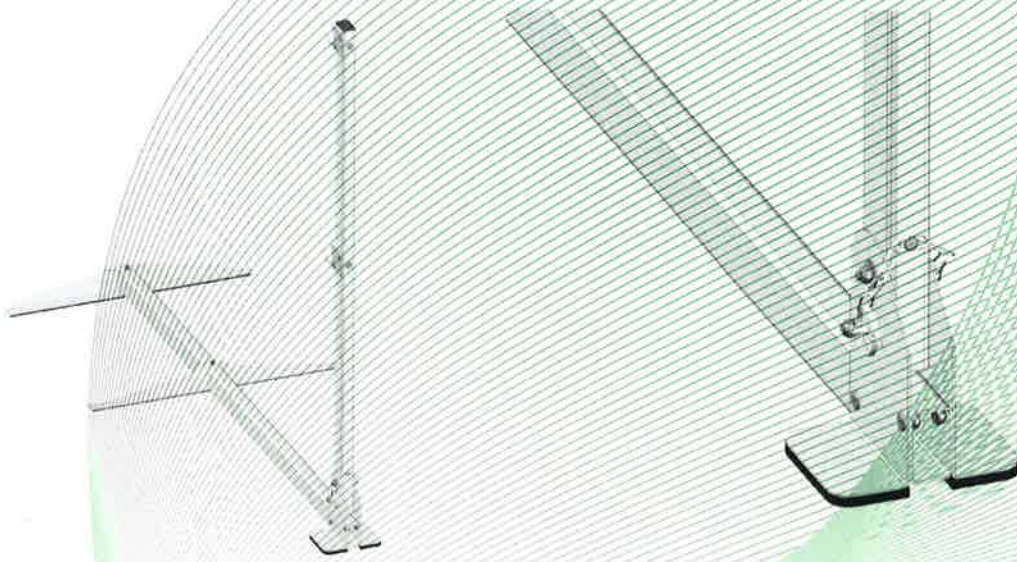


Fig. 3-4: LUX-top<sup>®</sup> G-T base element I and detailed view LUX-top<sup>®</sup> G-T foot



Fig. 6: LUX-top<sup>®</sup> G-T corner connector 90°



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Fig. 5: LUX-top® G-T rail pipe incl. butt connector



Fig. 7: LUX-top® G-T corner connector, variable



Fig. 8: LUX-top® G-T end cap

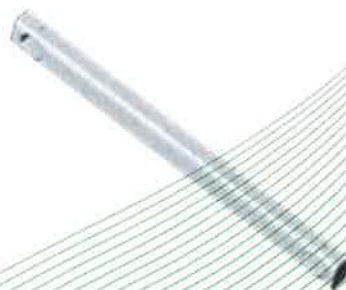


Fig. 9 - 10: LUX-top® G-T pipe end connector 570

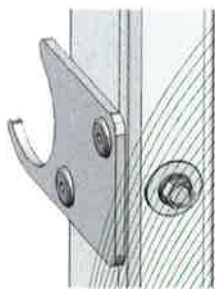


Fig. 11 - 12: LUX-top® G-T rail pipe bracket

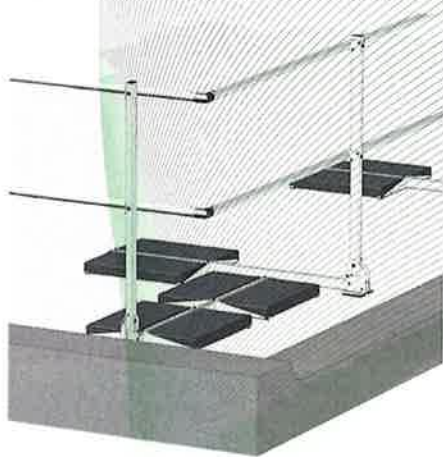


Fig. 13: LUX-top® G-T corner with corner connectors

Fig. 14: LUX-top® G-T corner incl. corner set

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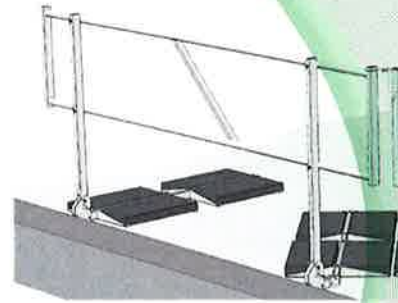


Fig. 15-16: LUX-top® G-T diagonal bar



LUX-top® G-T board plate, beginning/end



LUX-top® G-T board plate, cross-bar



LUX-top® G-T board plate, corner variant



LUX-top® G-T foot with board plate links

Fig. 17-20: board plate, components

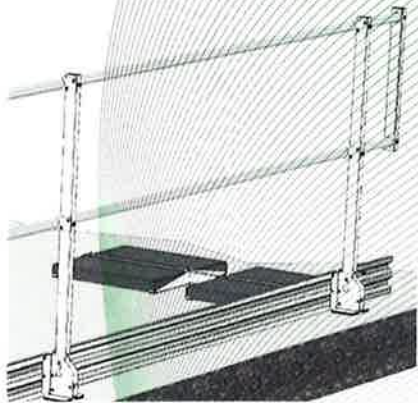


Fig. 21: LUX-top® G-T board plate (assembly example)



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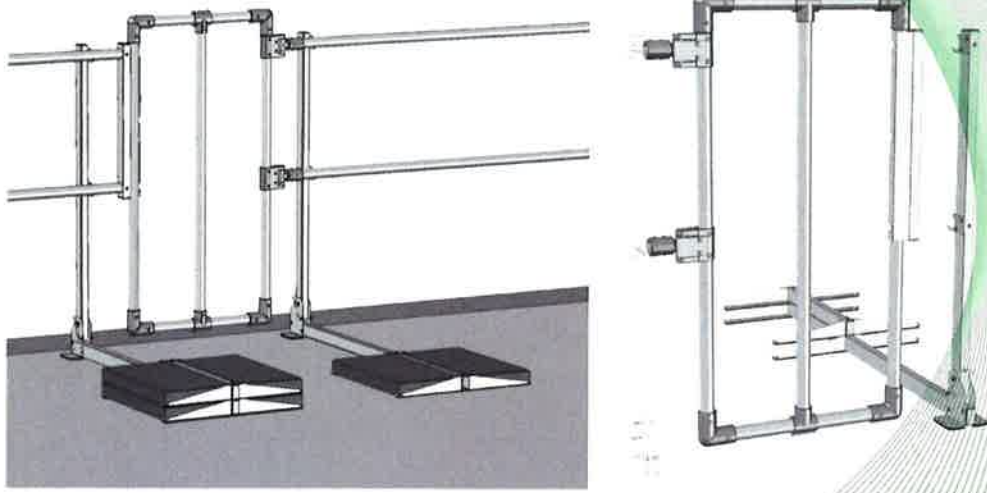


Fig. 22-23: LUX-top® G-T, access door

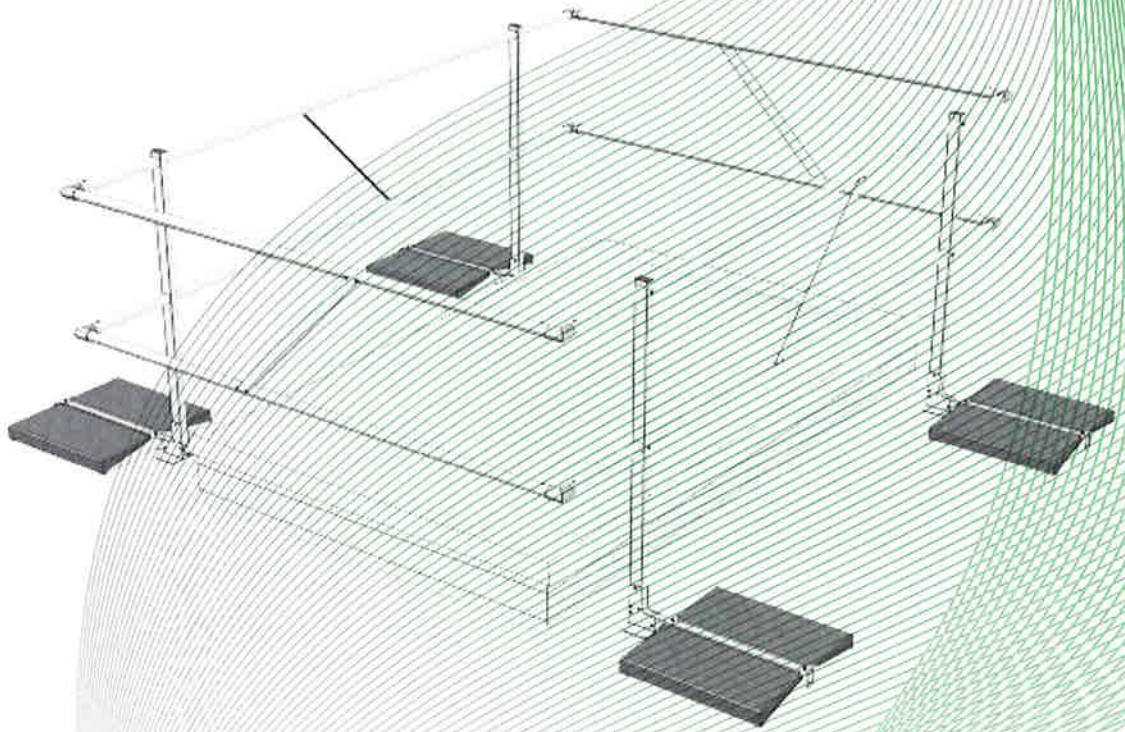
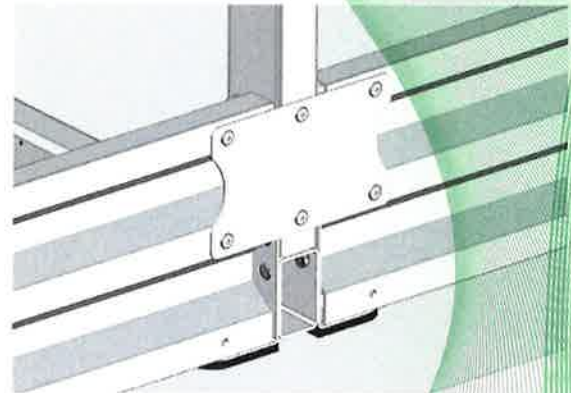
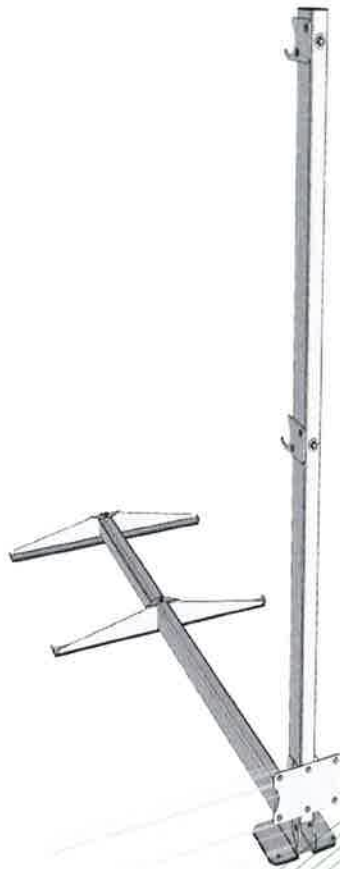
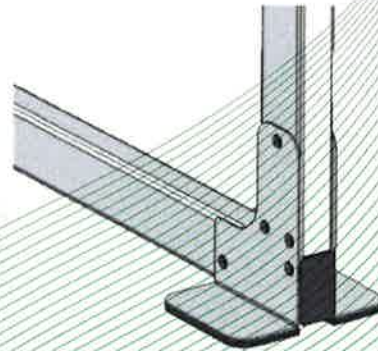


Fig. 24: Variant of set up/assembled edge protection variant of type LUX-top® G-T LIKU

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LUX-top® G-T ECO base element with optional board plate adapter (detailed view)



LUX-top® G-T ECO base element (detail of foot)

Fig. 25- 27: LUX-top® G-T ECO base element with optional board plate adapter



Fig. 28: LUX-top® G-T ECO corner formation

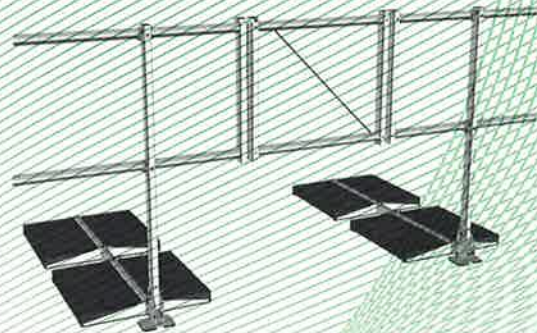


Fig. 29: LUX-top® G-T ECO, access door

(16) Test and Assessment Report

PB 16-007 dd. 2016-01-20