TRANSLATION

(1) Type Examination Certificate

(2) No. of the Type Examination Certificate: **ZP/B191/21** replaces ZP/B078/19

(3) Product: **Anchor device type D**
Type: LUX-top® FSA 2010 – H

(4) Manufacturer: **ST Quadrat S.A.**
11, rue Flaxweiler
6776 GREVENMACHER / POTASCHBERG
LUXEMBURG

(5) Production plant: **ST QUADRAT Fall Protection S.A.**
45, rue Fuert
5410 BEYREN
LUXEMBURG

(6) The design of this product and any acceptable variation thereto are specified in the schedule to this Type Examination Certificate.

(7) The certification body of DEKRA Testing and Certification GmbH certifies that this product complies with the fundamental requirements of the standard listed under item 8 below. The examination and test results are set out in the report PB 20-049.

(8) The requirements of the standard are assured by compliance with

DIN EN 795:2012 **DIN CEN/TS 16415:2017**

(9) This Type Examination Certificate relates only to the design, examination and tests of the specified product in accordance to the standard list. Further requirements of the Directive apply to the manufacturing process and supply of this personal protective equipment. These are not covered by this certificate.

(10) This Type Test Certificate is valid until 2027-03-01.

DEKRA Testing and Certification GmbH
Bochum, 2022-03-02

signed: Kilisch
Managing director

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.

Managing director

(11) Appendix to

(12) **Type Examination Certificate ZP/B191/21**

(13) 13.1 Subject and Type

Anchor device type D
Type: LUX-top® FSA 2010 – H

13.2 Description

The anchor device of type LUX-top® FSA 2010-H (Fig. 1) is used to temporarily protect four people against falls from a height. An aluminium rail (Fig. 2-7) is used as the rigid anchor line in two variants, straight and curved. The compatible mobile anchor points are shown in Fig. 8-10. The user connects his personal protective equipment to the mounted attachment eyelet to protect himself against falls from a height.

The system is mounted horizontally by means of rectangular nuts, bolts and fasteners intended for this purpose. The rail can be positioned on the structure in several places and mounted on the roof, the wall or the ceiling alike. Depending on the structure in place, suitable adapters are used which connect the rail system to the structure (Fig. 11-25). In addition, adapters which have been adjusted to the structure can be used, too. Fig. 26-28 show connectors between two guide rails; these connectors can be positioned freely.

The rail ends are secured by end stops (Fig. 29-30) against accidental overriding two variants are available as end stops: type end stop U-shaped and type foldable outside anchor. The end stops are mounted immediately next to the end stops of the anchor line.

The maximum field length, i.e. the distance between two fasteners, is 3 m maximum.

Fig. 1: Anchor device, type LUX-top® FSA 2010-H, example of overhead assembly

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Fig. 2: Rail, straight

Fig. 3: Rail, curved (variant 1)

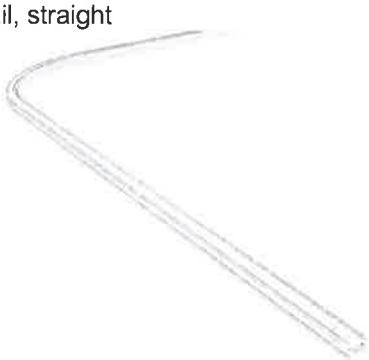


Fig. 4: Rail, curved (variant 2)

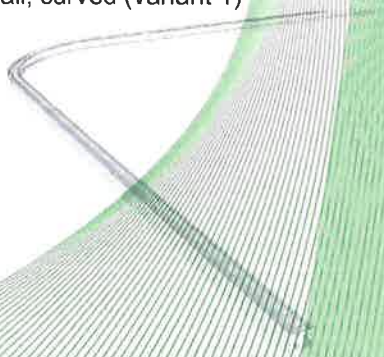


Fig. 5: Rail, curved (variant 3)

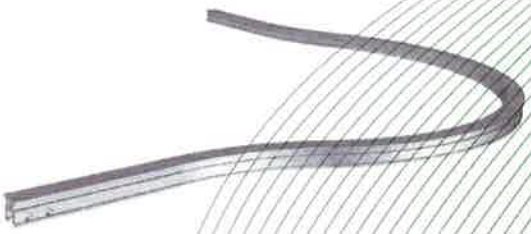


Fig. 6:Rail, curved (variant 4)

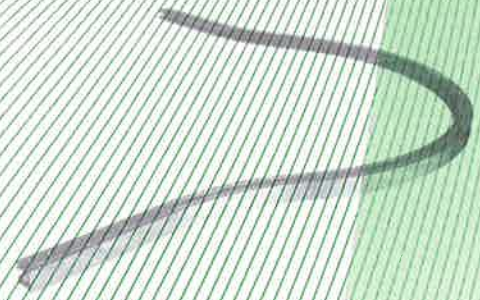
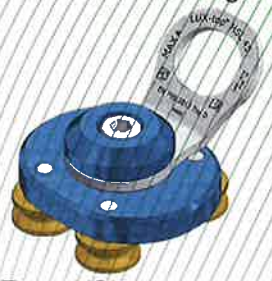
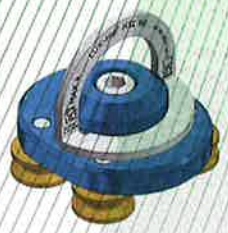


Fig. 7: Rail, curved (variant 5)

Type: HSL overhead



Type: HSL 45



Type: HSL 90

Fig. 8 - 10: mobile anchor points

Fig. 11: Fastener L-80

Fig. 12: Fastener L-150

Fig. 13: Fastener C-shape

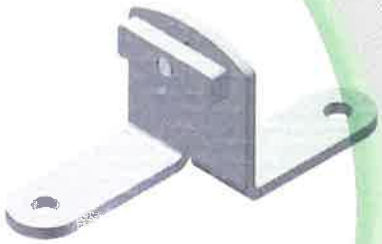


Fig. 14: Fastener L-80 WDVS

Fig. 15: Fastener Omega

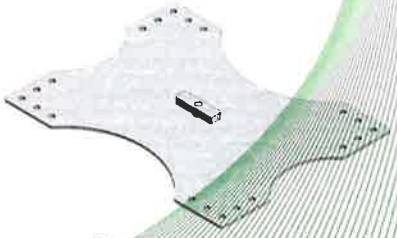


Fig. 16: Fastener trapezoid profile

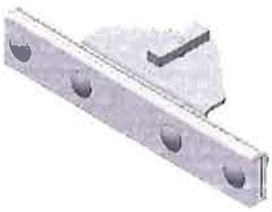


Fig. 17: Fastener double seam edge

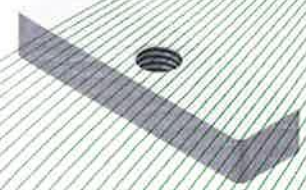


Fig. 18: Rectangular lock nut M10

Fig. 19: Rectangular sliding nut M10

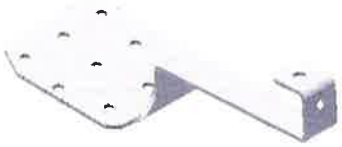


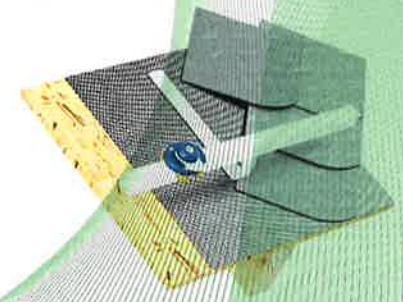
Fig. 20: Fastener SD-Z II

Fig. 21: Fastener SD-B

Fig. 22: Fastener SD-S

FSA 2010-H Fastener SD-Z II

FSA 2010-H Fastener SD-B



FSA 2010-H Fastener SD-S

Fig. 23 - 25: Fasteners for steep roofs with assembly examples

Fig. 26: Butt connector

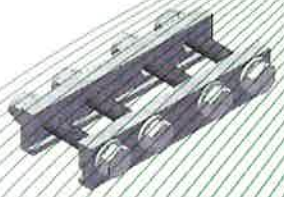


Fig. 27 - 28: Butt connector LA (compensating length)

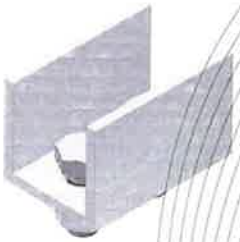


Fig. 29: End stop U-shape

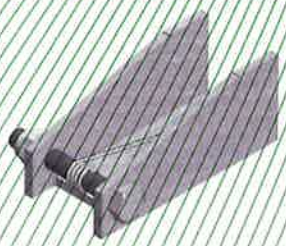


Fig. 30: Foldable outside anchor

(14) Report

PB 20-049 dd. 2022-03-02