

(1) Type Examination Certificate


- (2) No. of the Type Examination Certificate: **ZP/B225/19**
- (3) Product: **Anchor device type A**
Type: LUX-top® ASP
- (4) Manufacturer: **ST Quadrat S.A.**
11, rue Flaxweiler
6776 GREVENMACHER / POTASCHBERG
LUXEMBURG
- (5) Site of manufacture: **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 19-015.
- (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 2024-10-27.

DEKRA Testing and Certification GmbH
Bochum, 2019-10-28

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

TRANSLATION

- (11) Appendix to
- (12) **Type Examination Certificate**
ZP/B225/19
- (13) 13.1 Subject and Type
Anchor device type A
Type: LUX-top® ASP

13.2 Description

The anchor device of type LUX-top® ASP and its possible assembly variants (EV) are used to protect a maximum number of three people against falls from a height. The anchor device is assembled onto surfaces of sufficient strength with regard to the assembly variant installed. It device consists of a base plate with drill holes which receive the fastening elements, a support of round steel and an eyelet (M16) which is securely bolted to this support. The user connects his own PPE to this eyelet to protect himself against falls from a height. The components are made of corrosion-resistant steel. The total height is made up of the eyelet, the thread-step (30 mm) and the support height.

The anchor device of type LUX-top® ASP and its possible assembly variants can be used as end anchors or intermediate structural anchors when used in combination with the LUX-top® wire rope system of type FSE 2003. In this case, appropriate rope-guide components can also be installed instead of the eyelet; additionally, the anchor device can also be used in combination with temporary wire rope systems. In the table below, the different assembly variants of the anchor device type LUX-top® ASP are described.

Details of the assembly variants of the anchor device type LUX-top® ASP

Assembly variant	Intended surface for fastening	Fastener	Max. structure height with bar Ø [mm]		Dimension of toe board and number of drill holes with Ø [mm]
			Bar Ø 18	Bar Ø 26	
ASP EV 2 (Fig. 1-5)	concrete	concrete anchor M10 or M12	600	1000	150 x 150 x 6 4 x Ø 12 2 x Ø 14
ASP EV 2-steel (Fig. 1-5)	steel	hexagonal screws M10 or M12 or threaded screw	600	1000	150 x 150 x 6 4 x Ø 12 2 x Ø 14
ASP EV 2s (Fig. 6-9)	concrete	concrete anchor M12	600	1000	150 x 80 x 6 2 x Ø 14
ASP EV 2s- steel (Fig. 6-9)	steel	hexagonal screws M12 or threaded screw	600	1000	150 x 80 x 6 2 x Ø 14
ASP EV 2s-90° (Fig. 10-12)	concrete	concrete anchor M12	-	850	150 x 80 x 6 2 x Ø 14
ASP EV 2s- steel-90° (Fig. 10-12)	steel	hexagonal screws M12 or threaded screw	-	850	150 x 80 x 6 2 x Ø 14
ASP EV 3 (Fig. 13-14)	concrete	concrete anchor M10	exception: Ø 16 100		150 x 150 x 6 4 x Ø 12
ASP EV 4s (Fig. 15-19)	steel	sealing screws	600	800	150 or 180 x 80 x 6 4 x Ø 10 8 x Ø 10
ASP EV 5 (Fig. 20-22)	all load-bearing components	threaded bars	600	800	150 x 220 or 300 or 350 x 6 slotted hole: 4 x (49 x 14) 150 x 150 x 6 4 x Ø 14

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Assembly variant	Intended surface for fastening	Fastener	Max. structure height with bar Ø [mm]		Dimension of toe board and number of drill holes with Ø [mm]
			Bar Ø 18	Bar Ø 26	
ASP EV counter plate (Fig. 20-22)	all load-bearing components	counter plate	600	800	varying
ASP EV 6-H (Fig. 23-26)	laminated wooden beams	threaded bars M12	600	800	250 x 200 x 6 4 x Ø 14
ASP EV 6-B (Fig. 23-26)	concrete girder	concrete anchor M10	600	800	250 x 200 x 6 4 x Ø 14
ASP EV 6-U (Fig. 27-29)	wooden beams	threaded bars M12	600	800	varying 4 x Ø 14
ASP EV 7 (Fig. 30-33)	wooden beams with casing	wood screws (Ø 8 mm)	600	800	322 x 89 x 6 8 x Ø 10
ASP EV 7 (12-hole) (Fig. 34-38)	wooden beams	wood screws (Ø 8 mm)	600	800	360 or 400 or 600 x 100 or 200 x 6 12 x Ø 10
ASP EV 7 HFE (Fig. 39-40)	wood surface element	wood screws (Ø 8 mm)	600	600	350 x 200 x 4 or x 6 16 x Ø 10
ASP EV 7 II (Fig. 41-44)	timber formwork	wood screws (Ø 8 mm)	600	-	350 x 200 x 4 16 x Ø 10
ASP EV 9 (Fig. 45)	steel trapezoidal profile	toggle bolt M8	600	600	230 or 312 or 420 x 200 x 6 slotted hole: 4 x (27 x 17.5)
ASP EV 9 II (Fig. 46-48)	steel trapezoidal profile	toggle bolt M8	600	-	230 or 312 x 200 x 4 slotted hole: 4 x (27 x 17.5)
ASP EV 9 III (Fig. 49)	steel trapezoidal profile	toggle bolt M8	-	600	285 x 319 x 6 slotted hole: 4 x (27 x 17.5)
ASP EV 9 III-420 (Fig. 50)	steel trapezoidal profile	toggle bolt M8	-	600	285 x 411 x 6 slotted hole: 4 x (27 x 17.5)
ASP EV 10 II (Fig. 51-53)	reinforced concrete hollow-ceiling	hollow-ceiling anchor M10	600	-	200 x 200 x 4 2 x Ø 12
ASP EV 10 III (Fig. 54-56)	reinforced concrete hollow-ceiling	hollow-ceiling anchor M10	-	800	236 x 236 x 6 4 x Ø 12
ASP EV 11 (Fig. 57-59)	porous concrete	porous concrete anchor M10	600	800	650 x 200 or 300 x 6 10 x Ø 14.5

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Fig. 1-5: Anchor device, type LUX-top® ASP EV 2



Fig. 6-9: Anchor device, type LUX-top® ASP EV 2s

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Fig. 10-12: Anchor device, type LUX-top® ASP EV 2s 90°



Fig. 13-14: Anchor device, type LUX-top® ASP EV 3

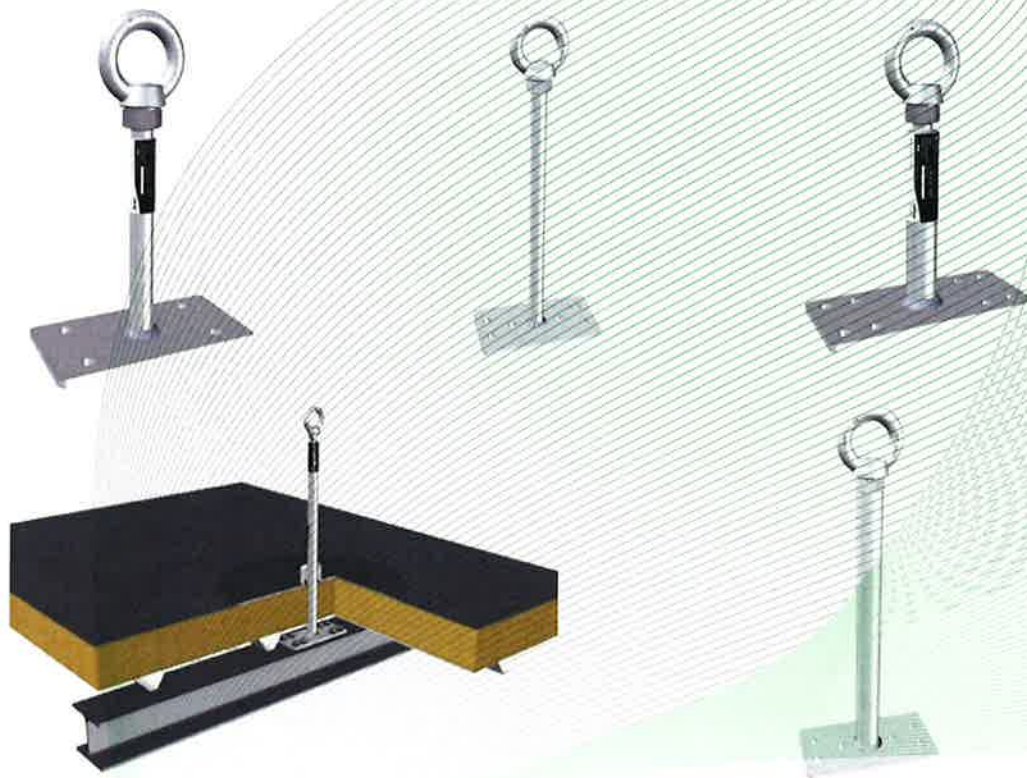


Fig. 15-19: Anchor device, type LUX-top® ASP EV 4s

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Fig. 20-22: LUX-top® ASP EV 5 or ASP EV counter plate

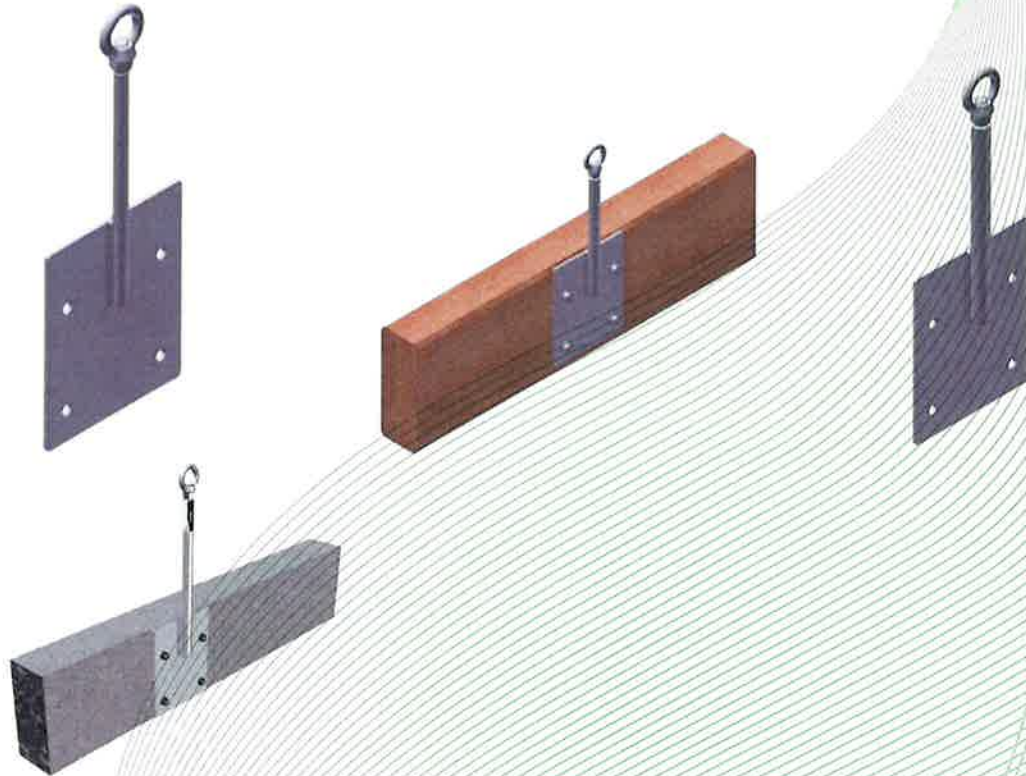


Fig. 23-26: LUX-top® ASP EV 6



Fig. 27-29: LUX-top® ASP EV 6 U

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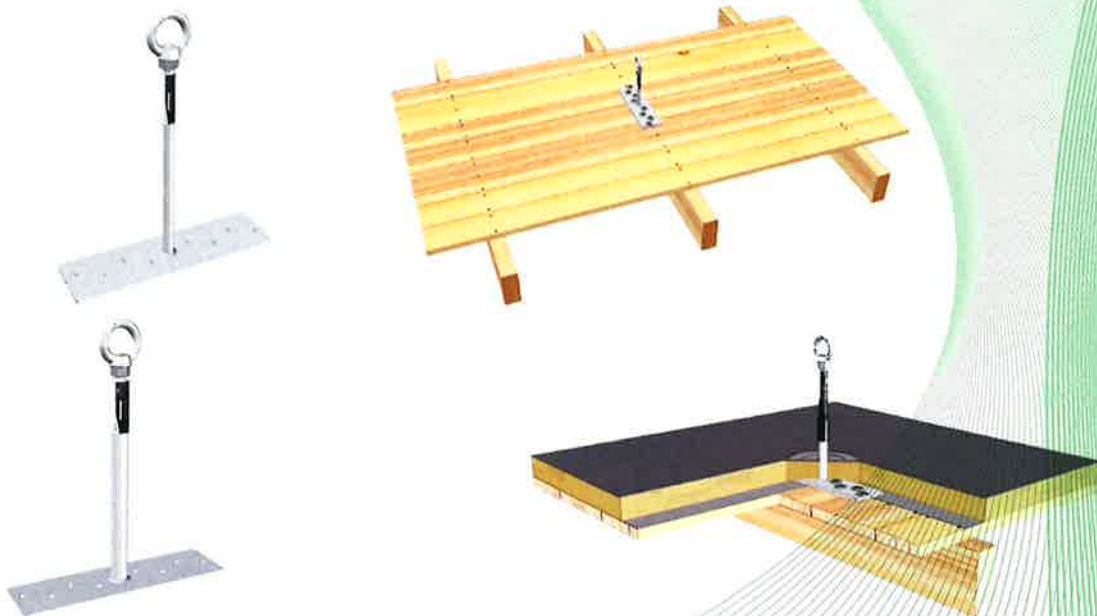


Fig. 30-33: LUX-top® ASP EV 7

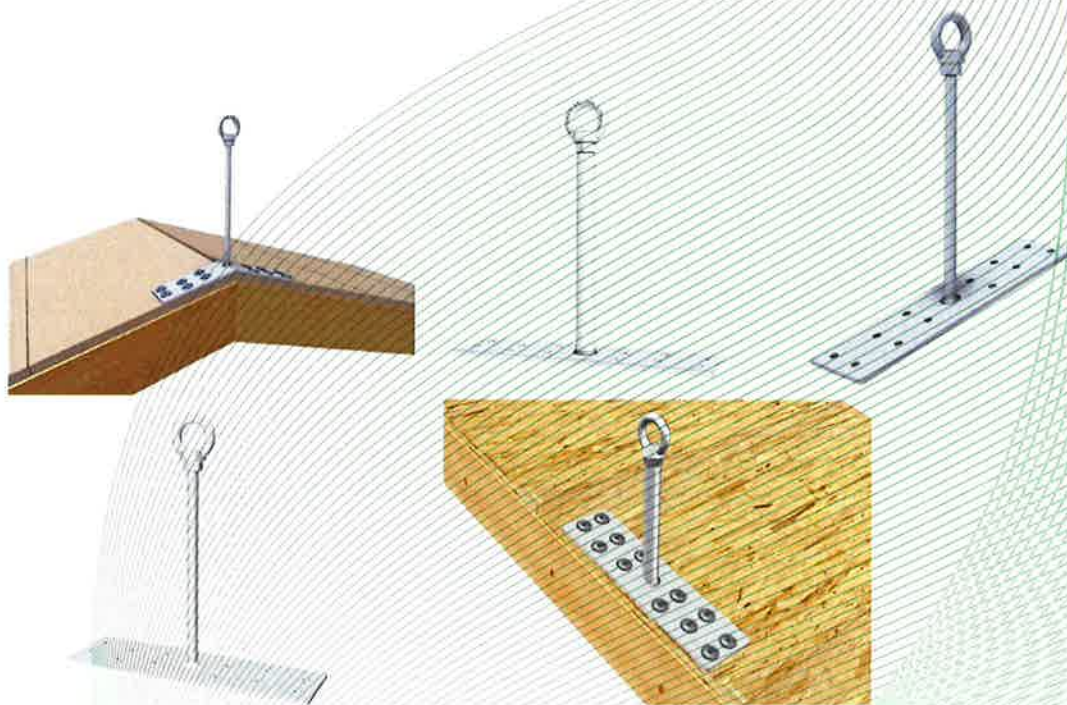


Fig. 34-38: LUX-top® ASP EV 7 (12-Loch)



Fig. 39-40: LUX-top® ASP EV 7 HFE

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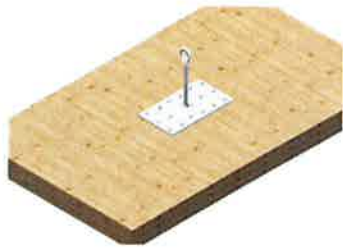


Fig. 41-44: LUX-top® ASP EV 7 II



Fig. 45: LUX-top® ASP EV 9

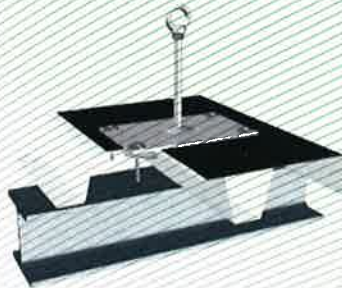
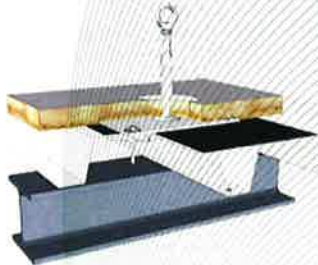


Fig. 46-48: LUX-top® ASP EV 9 II



Fig. 49: LUX-top® ASP EV 9 III



Fig. 50: LUX-top® ASP EV 9 III-420

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Fig. 51-53: LUX-top® ASP EV 10 II

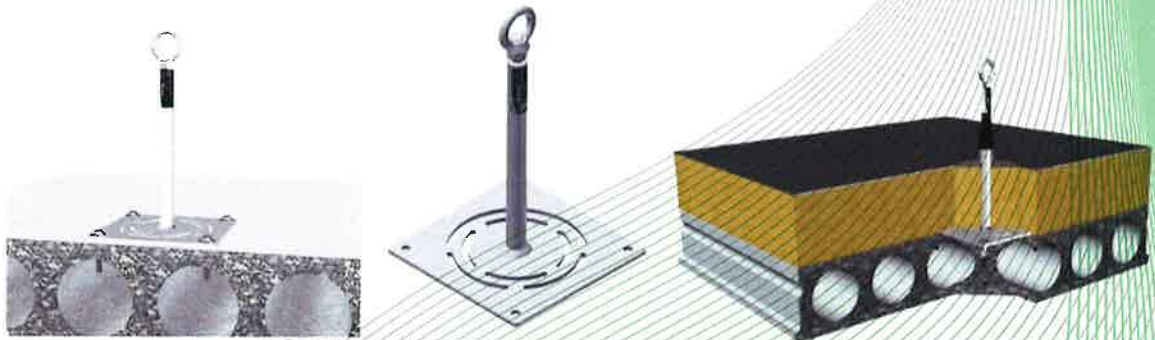


Fig. 54-56: LUX-top® ASP EV 10 III

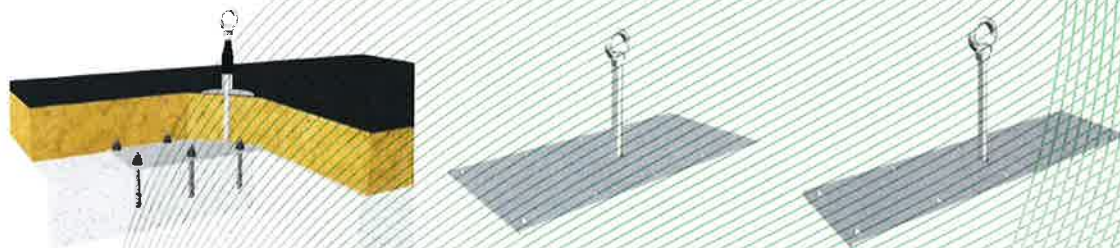


Fig. 57-59: LUX-top® ASP EV 11

(14) Report

PB 19-015, 2019-10-28