

(1) CERTIFICATE

- (2) No. of the Certificate: **ZP/B029/24-PZ** replaces ZP/B011/23-PZ
- (3) Product: **Anchor device type A**
Type: ABS-Lock® X
- (4) Manufacturer: **ABS Safety GmbH**
- (5) Address: **Gewerbering 3, 47623 Kevelaer, Germany**
- (6) The design of this product and any acceptable variation thereto are specified in the appendix to this certificate.
- (7) The Certification Body of DEKRA Testing and Certification GmbH certifies that this product complies with the requirements of the test regulations listed under item 8 below. The test results are recorded in report PB 24-034.
- (8) The requirements are assured by compliance with
DIN EN 795:2012 **DIN CEN/TS 16415:2017**
- (9) This certificate relates only to the design and tests of the specified product in accordance to the contemplated requirements. Further requirements applied to the manufacturing process and supply of this product, are not covered by this certificate.
- (10) The manufacturer is authorised to apply the mark of conformity to the products that conform to the types examined.
- (11) This certificate is valid until 2025-05-14.



DEKRA Testing and Certification GmbH
Bochum, 2024-04-02

Signed: Brumm
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.

A handwritten signature in blue ink, appearing to be 'A. Brumm', written over a horizontal line.

Managing director

TRANSLATION

- (12) Appendix to
- (13) **Certificate**
ZP/B029/24-PZ
- (14) 14.1 Subject and type
Anchor device type A
Type: ABS-Lock® X

14.2 Description

The anchor device of type ABS-Lock® X – and its possible variants – is a single anchor point that is used to protect a maximum number of three people against falls from a height. The device is to be mounted onto surfaces of sufficient strength.

The anchor device consists of a base plate with drill holes which receive the fasteners. Centrally to the base plate ($t = 5 \text{ mm}$) a support ($h_{\text{max}} = 1000 \text{ mm}$) of round steel ($\varnothing 16 \text{ mm}$) is welded. The dimensions and contours of the base plate may vary depending on the assembly surface; likewise, fasteners that are appropriate for the different assembly surfaces will be used.

The bottom end of the support is surrounded by a sleeve (bend protection) and also welded to the base plate. At the upper end of the support, an M16 ring eyelet (Fig. 3) is securely screw-fastened. The user can protect himself against falls from a height by connecting his personal protective equipment to this eyelet. The single anchor point is designed in such a way that, if combined with the wire-rope systems ABS-Lock® SYS I to SYS IV (Fig. 6), it can absorb the forces applied when load is exerted by a fall. If the anchor device is used in combination with such systems, it can be used as an intermediate structural anchor, curve anchor or end stop in wire-rope systems according to EN 795:2012 Type C of ABS Safety GmbH.

Instead of the ring eyelet, appropriate wire-rope guide components (Fig. 4) can be mounted as well. For that purpose, a supporting tube as shown in Fig. 5 can be assembled to the support of the end stops and curve anchors of the anchor device type ABS-Lock® X. The anchor device is made of corrosion-resistant steel.

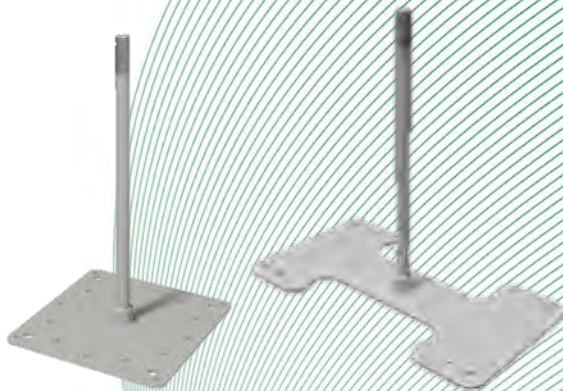


Fig. 1 – 2: Two of the possible base plates ($t = 5 \text{ mm}$) with sleeve and support



Fig. 3: Ring eyelet M16

Fig. 4: One of the possible wire-rope guide components

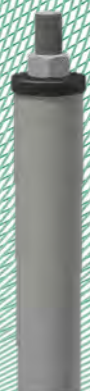


Fig. 5: Supporting tube



Fig. 6: Anchor device, type ABS-Lock® X combined with wire-rope system type ABS-Lock® SYS

Table 1: Details of anchor device, type ABS Lock® X and its possible variants

Variant of anchor device and intended assembly surface	Permitted load direction	Fasteners	Base plate dimensions and number of drill holes with Ø [mm]
ABS Lock® X-ST for assembly on steel (Fig. 7)	Any direction	Screw M10	200 x 200 16 x Ø 7 4 x Ø 11
ABS Lock® X-H-16 for assembly on OSB or wooden casing (Fig. 8)	Parallel to structure surface	Woodworking screw (Ø 6 mm)	200 x 200 16 x Ø 7 4 x Ø 11
ABS Lock® X-H-14+2 for assembly on wooden surfaces (Fig. 9)	Parallel to structure surface	Woodworking screw (Ø 6 mm)	200 x 200 16 x Ø 7 4 x Ø 11
ABS Lock® X-B-A for assembly on concrete (Fig. 10)	Any direction	Anchor rod M10	200 x 200 16 x Ø 7 4 x Ø 11
ABS Lock® X-B for assembly on concrete (Fig. 11)	Any direction	Wedge anchor bolt anchor concrete screw	200 x 200 16 x Ø 7 4 x Ø 11
ABS Lock® X-Klemm for assembly at a girder (Fig. 12)	Any direction	Screw or threaded rod M10	200 x 200 16 x Ø 7 4 x Ø 11

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Table 1: Details of anchor device, type ABS Lock® X and its possible variants (continued)

Variant of anchor device and intended assembly surface	Permitted load direction	Fasteners	Base plate dimensions and number of drill holes with Ø [mm]
ABS Lock® X-SW for assembly on sandwich sheet (Fig. 13)	Any directions	Toggle fastener	372 x 200 8 x Ø 9
ABS Lock® X-Therm for assembly on insulated concrete (Fig. 14)	Parallel to structure surface	Screw or threaded rod M12 + anchor	200 x 200 16 x Ø 7 4 x Ø 11
ABS Lock® X-Y for assembly on porous concrete (Fig. 15)	Parallel to structure surface	Anchor rod M10	370 x 370 8 x Ø 11
ABS Lock® X-H-24 for assembly on wooden surfaces (Fig. 16)	Parallel to structure surface	Woodworking screw (Ø 6 mm)	Ø 400 24 x Ø 7
ABS-Lock® X-HD for assembly on hollow planks (Fig. 17)	Parallel to structure surface	Hollow plank anchor M10	320 x 320 4 x Ø 12
ABS Lock® X-T (Fig. 18)	Parallel to structure surface	Toggle fastener	372 x 200 8 x Ø 9
ABS Lock® X-T-21 (Fig. 19)	Parallel to structure surface	Toggle fastener	372 x 200 8 x Ø 21.2
ABS-Lock® X-Rivet (Fig. 20)	Parallel to structure surface	Rivet (6,4 mm or 4,8 mm)	375 x 200 14 x Ø 6,5 or 14 x Ø 4,9
ABS-Lock® X-H-4 (Fig. 21)	Any directions	Woodworking screw (Ø 6,5 mm)	100 x 100 4 x Ø 11
ABS-Lock® X-SOLAR (Fig. 22)	Any directions	Screw M6	100 x 100 4 x Ø 7



Fig. 7: Anchor device, type
ABS-Lock® X-ST



Fig. 8: Anchor device, type
ABS-Lock® X-H-16



Fig. 9: Anchor device, type:
ABS-Lock® X-H-14+2

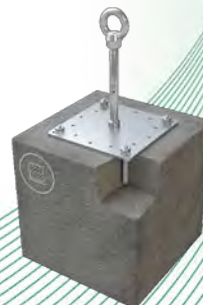


Fig. 10: Anchor device, type:
ABS-Lock® X-B-A

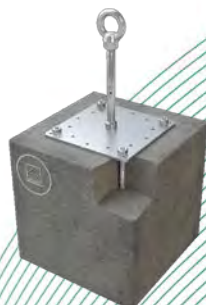


Fig. 11: anchor device, type
ABS-Lock® X-B



Fig. 12: anchor device, type
ABS-Lock® X-Klemm

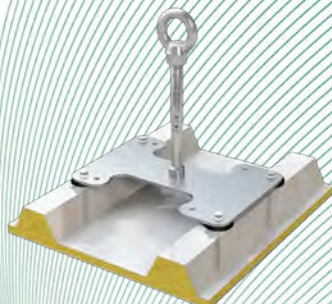


Fig. 13: Anchor device, type
ABS-Lock® X-SW

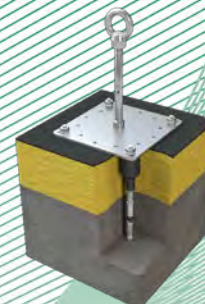


Fig. 14: Anchor device, type
ABS-Lock® X-Therm



Fig. 15: Anchor device, type:
ABS-Lock® X-Y

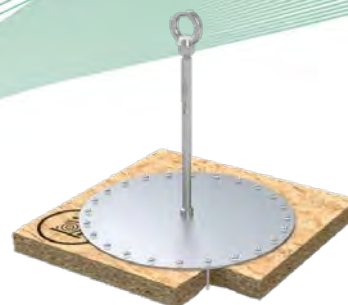


Fig. 16: Anchor device, type:
ABS-Lock® X-H-24

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Fig. 17: Anchor device, type:
ABS-Lock® X-HD



Fig. 18: Anchor device, type:
ABS-Lock® X-T



Fig. 19: Anchor device, type:
ABS-Lock® X-T-21

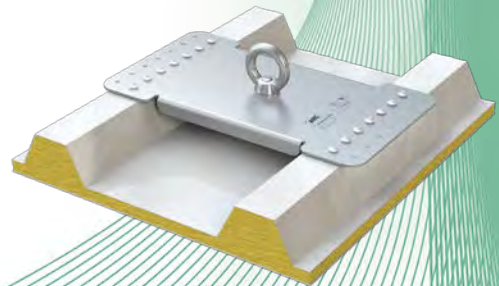


Fig. 20: Anchor device, type:
ABS-Lock® X-Rivet



Fig. 21: Anchor device, type:
ABS-Lock® X-H-4



Fig. 22: Anchor device, type:
ABS-Lock® X-SOLAR

(15) Report

PB 24-034, 2024-04-02