TRANSLATION

(1) CERTIFICATE

(2) No. of the Certificate: **ZP/B099/20-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 19-304.

(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, 2020-05-15

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

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TRANSLATION

(12) Appendix to

(13) **Certificate**
ZP/B099/20-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 assembly variants 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.
The anchor device consists of a base plate with drill holes which receive the fastening elements; centrally onto the base plate (t = 5 mm), a support (h_{max} = 1000 mm) of round steel (Ø 16 mm) is welded. The dimensions and shape of the base plate can vary according to the assembly surface; likewise, different fastening elements are used which need to be appropriate for the assembly surface.
The bottom end of the support is wrapped in a sleeve (bending protection) and also welded to the base plate. To the top end, an M16 ring eyelet (Fig. 3) is securely bolted. The user connects his Personal Protective Equipment to this eyelet to protect himself against falls from a height.
The single anchor point is so designed that, in combination with the wire rope systems of ABS-Lock® SYS I to SYS IV (Fig. 6), it can absorb the forces to be expected when loaded by a fall. If used with those systems, the anchor device is used as an end anchor, curve anchor or intermediate structural anchor of wire rope systems according to EN 795:2012 Type C made by ABS Safety GmbH. Instead of the ring eyelet, the installation of appropriate rope-guide components (Fig. 4) is also possible.
In this case, a support tube as shown in Fig. 5 can be fixed onto the support of the end and curve anchors of the anchor device of type ABS-Lock® X. The anchor device is made of corrosion-resistant steel.

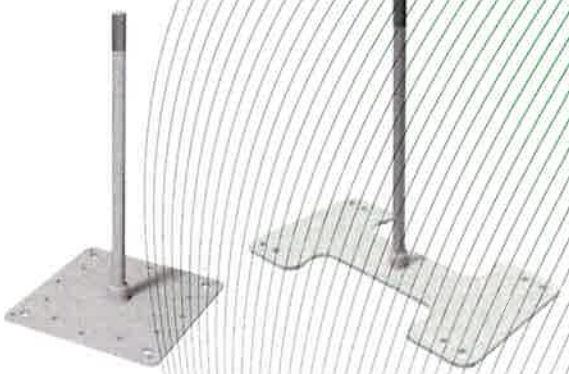

Fig. 1-2: Two of the possible base plates (t = 5 mm) with sleeve and support

Fig. 3: Ring eyelet M16

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

Fig. 5: Support tube

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

Variant of anchor device and intended surface for fastening	Permitted direction of load	Fastening elements	Dimension of base plate and number of drill holes with Ø [mm]
ABS Lock® X-ST for assembly on steel (Fig. 7)	all directions	M10 bolt	200 x 200 16 x Ø 7 4 x Ø 11
ABS Lock® X-H-16 for assembly on OSB or wooden cladding (Fig. 8)	parallel to structure surface	wood 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	wood 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)	all directions	M10 anchor bar	200 x 200 16 x Ø 7 4 x Ø 11
ABS Lock® X-B for assembly on concrete (Fig. 11)	all directions	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)	all directions	bolt or M10 threaded bar	200 x 200 16 x Ø 7 4 x Ø 11
ABS Lock® X-SW for assembly on sandwich sheet (Fig. 13)	all directions	toggle bolt	372 x 200 8 x Ø 9
ABS Lock® X-Therm for assembly on concrete with insulation (Fig. 14)	parallel to structure surface	screw or M12 threaded bar + plug	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	M10 anchor bar	370 x 370 8 x Ø 11

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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

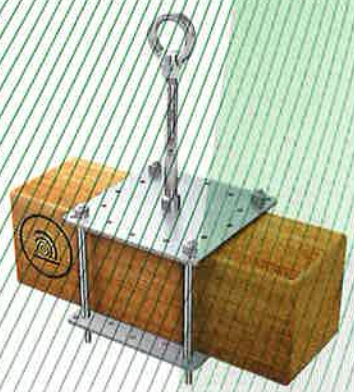

Fig. 12: Anchor device,
type: ABS-Lock® X-Klemm

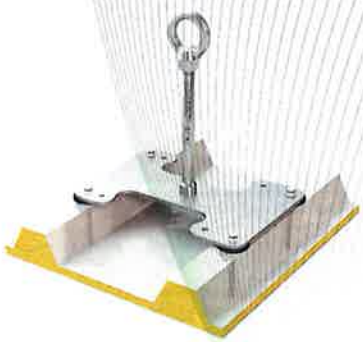

Fig. 13: Anchor device,
type: ABS-Lock® X-SW

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

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

(15) Report

PB 19-304, 2020-05-15

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