

Technical file and installation procedure

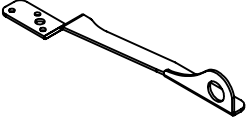
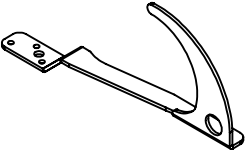
Anchor Point

AT 401
AT 402

PROTEKT
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POLAND

wydanie (edition): 1/02.10.2014

Summary

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|  | AT 402 | | |
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SCOPE OF LIABILITY AND WARRANTY

Compliance of the installed protective device with the requirements of EN795 can be ensured only when its constituent parts are free from defects in materials, building construction is sufficiently sturdy and should provide adequate quality (strength) of fixing the device to the structure of the building.

For installation, use only original components supplied by the manufacturer. Standard parts such as screws or anchors should correspond exactly to the guidelines contained in this manual. Mounting and, in particular the deployment of the equipment and its mounting, and the method of how to connect individual components to each other should comply with the recommendations contained in this manual.

In the case of an unusual design or construction or any doubts as to the proper procedure, the installation engineer should contact the manufacturer or its authorized dealer to obtain information about the proper procedure.

Anchor device for personal protective equipment for arresting falls from height can be installed only by persons with adequate knowledge and experience in this field, in particular knowledge of the EN795 standard, knowledge of installing the anchors in accordance with the guidelines of the manufacturers and the knowledge of this manual. The installed anchor device should be checked (accepted) by a person competent in this area (e.g. an engineer or a qualified designer), who must check both the building structure, the layout of the protective system and its implementation, as well as their interconnections. A competent person confirms with a signature the compliance of the system with the EN 795 standard and the technical design.

Total responsibility for the installation of the system rests with its provider. Neither the manufacturer nor the distributor is responsible for the installation, which is negligent or inconsistent with the recommendations of the assembly. At the request, the manufacturer and/or distributor deliver all the necessary technical information about the product, technology, its installation, the method of controlling and declaration of compliance with standard for the components.

The manufacturer provides a one-year warranty on the components of the system, involving the replacement of parts, which at that time have been classified as defective. This warranty covers defects in material and implementing components, caused by the fault of the manufacturer. The warranty does not cover: installation of auxiliary materials, parts damaged during assembly, tests or trials, parts damaged by improper use contrary to the operating manual or due to the misuse of the product.

PRODUCT DESCRIPTION

The AT401 and AT402 anchor point are a Type A anchor devices for personal protective equipment against for arresting falls from a height, in accordance with PN-EN 795. It is designed for simultaneous use by one people.

The AT401 device is in the form of a metal plate mounted on a roof structure (also under roofing-tiles). The plate has one hole in the very end for mounting personal protective equipment.

The AT402 device is in the form of a metal plate mounted on a roof structure (also under roofing-tiles). In addition it has a special hook which is designed to be support for a roof temporary ladders. The plate has one hole in the very end for mounting personal protective equipment.

All device are made of corrosion-resistant materials.

NOTE!!!

In accordance with the requirements of PN-EN 365 standard, the device is subject to periodic inspections carried out not less frequently than every 12 months.

INSTALLATION PROCEDURE

Design

Prior to mounting the anchor device the installation engineer should specify:

- scope of work performed at the site,
- maximum number of operators using the device at the same time (only one user per one device),
- type of hazards, which may occur,
- specific climatic conditions (if any),
- type of personal protective equipment for arresting falls from a height, which is used in conjunction with anchor device,
- configuration of the protective system, which includes the size of free space under the user and the spacing of the anchoring points,
- the type and strength of the supporting structure (ground).

In order to obtain information to correctly design a protective system, the following actions are recommended: inspection of the installation site, an interview with the principal, tests and measurements and/or analysis of the documentation.

Fixing the anchor point to the permanent structure

The AT401, AT402 devices can be fixed to the steel, concrete or wooden structure with adequate strength. The method of fixing was presented, respectively: for the AT401 i AT402 in Figure 1-1.

The connection with the steel base should be done using screws with a minimum strength equal the strength of M12-A2-70 bolts.

All elements of the bolted connection should be protected against corrosion or made of stainless steel. Nuts and hex heads of the screws should be provided with washers suitable for the M12 thread. Nuts in the bolted connections should be self-locking or protected against unscrewing using locknuts.

The connection with the concrete base should be done using chemical or mechanical anchors, characterized by tensile strength of more than 12 kN. The concrete base should be characterized by a compressive strength of not less than 25MPa. Recommended mechanical anchors: FAZ 12>; FBN 12>; FZA18>M12 (by FISCHER). Recommended chemical anchors: HIT HY-150/HAS M12 (by HILTI); FIS M12 (by FISCHER).

The connection with the wooden base should be done using 3 screws for wood $\varnothing 8 \times 45$, made of stainless steel or zinc plated.

Note: Strictly follow the anchor manufacturer's installation recommendations.

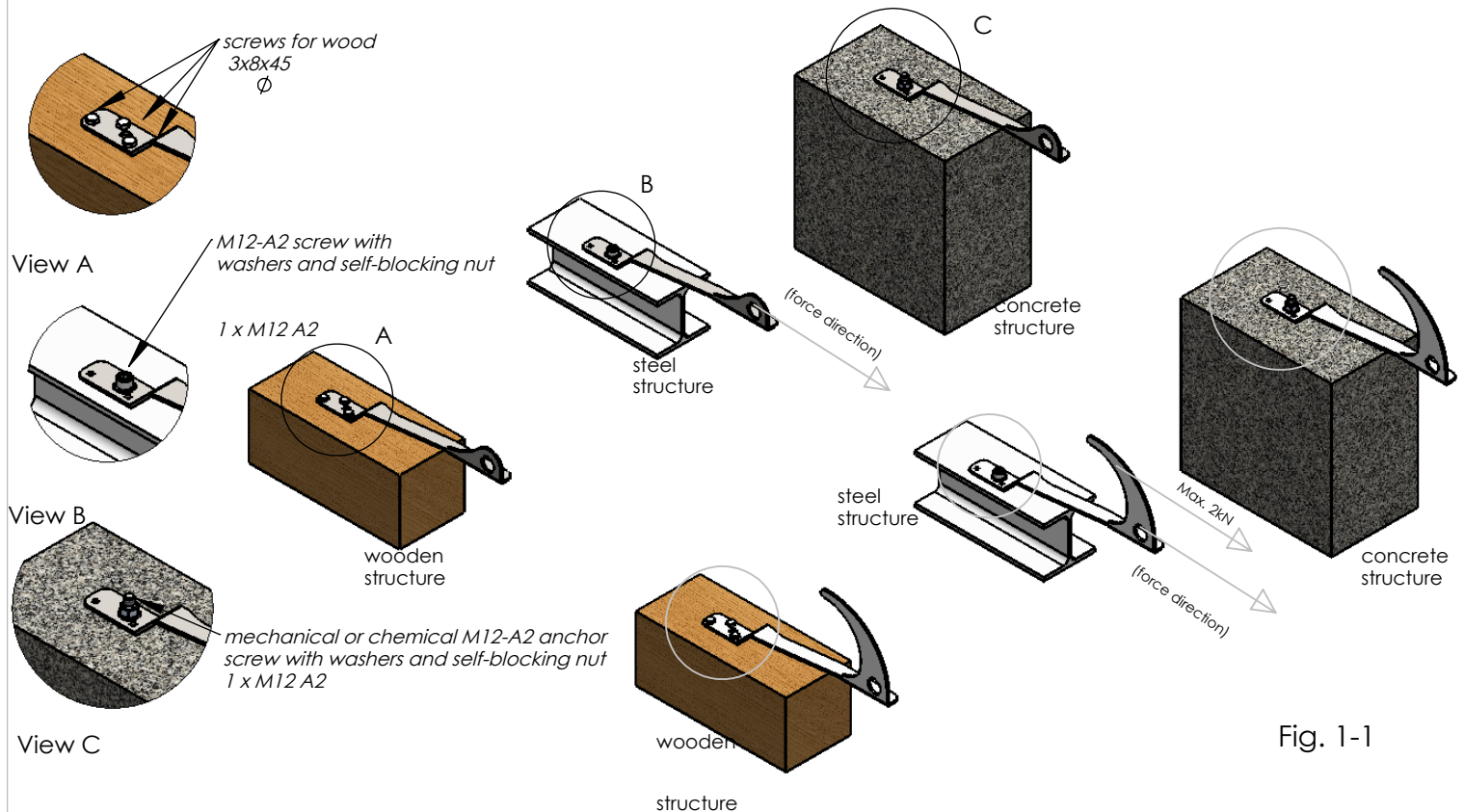


Fig. 1-1