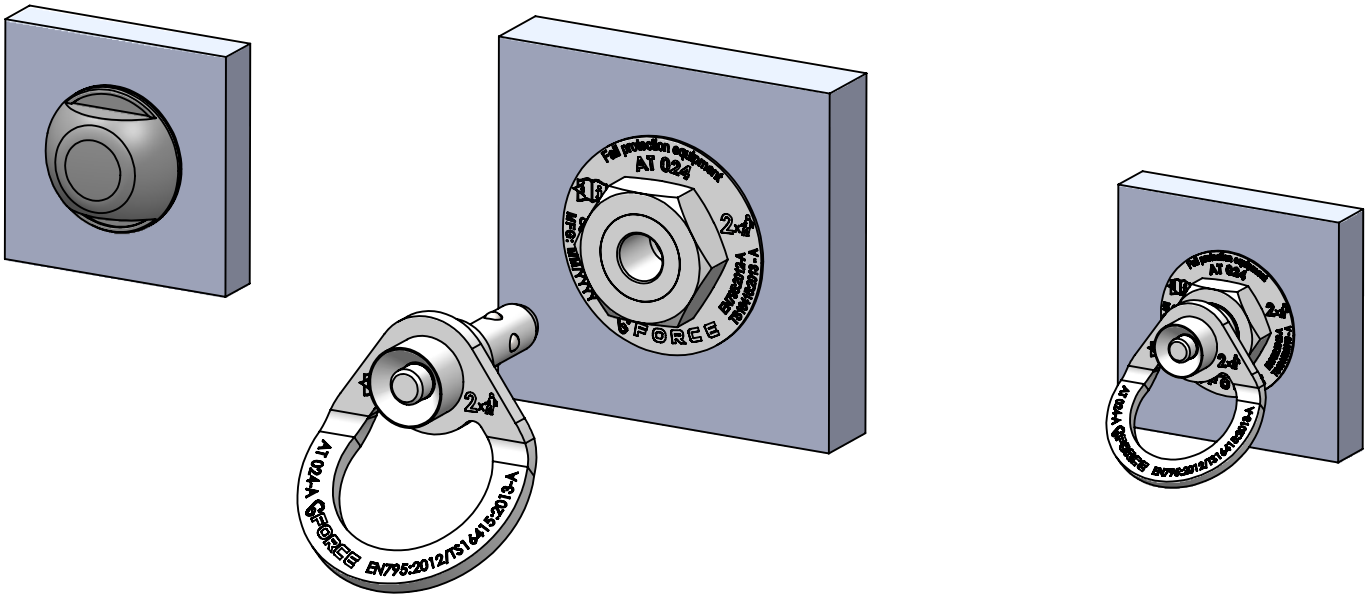
Dropstop-Anchor - ref. no. AT024

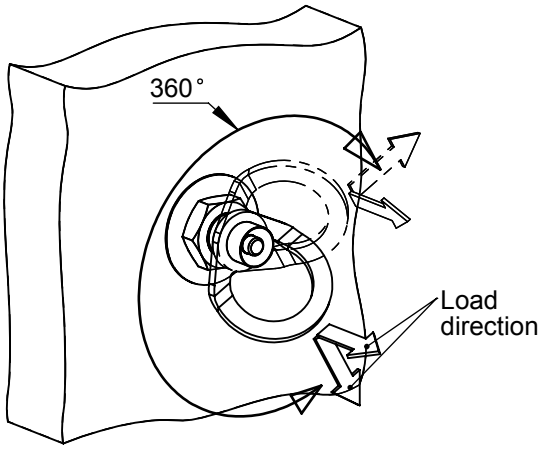


DESCRIPTION

AT024 Dropstop-Anchor is designed for protection against falls from a height. The product provides effective anchoring of personal fall protective equipment to a structure. The anchor consists of a socket fixed to a structure and removable eyebolt. The removable eyebolt is inserted into the socked and securely locked when the push button is released. A light load function test should be applied to confirm correct and secure engagement. A single eyebolt can be connected to various sockets installed around a building or structure. They anchor point is removed once the work in complete to stop unauthorised use. The AT024 is intended for installation inside buildings such as office blocks, hospitals or hotels for general fall arrest or restraint access to complete tasks such as window cleaning. When the eyebolt is removed, a socket cap is fitted to give an aesthetic finish of the installation.

Depending on the positioning of anchor point and the risk level to the user, a variety of personal fall protection equipment can be used in conjunction with the AT024 Dropstop-Anchor, such as: lanyard with energy absorber, guided fall arrester or retractable fall arrest blocks.

The AT024 is equipped with a rotating eye that can be loaded in any direction. The plug-in eye may be used as an anchor point for 2 simultaneous users once correctly engaged with the socket.



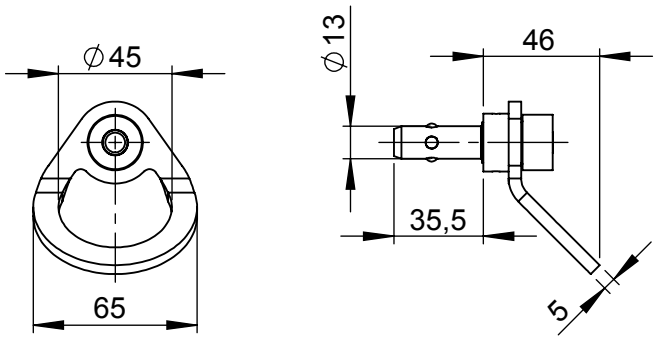
STANDARDS:
- EN 795:2012 - type A
- CEN/TS 16415:2013-type A

PRODUCT
DATA FILE

Dropstop-Anchor

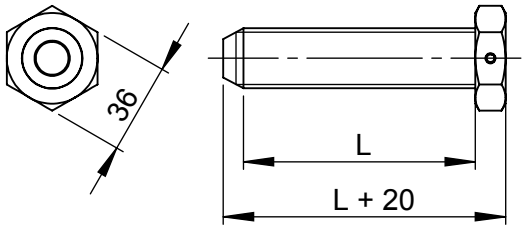
Product ref. no: AT024

PARTS LIST:



AT024-A Eyebolt

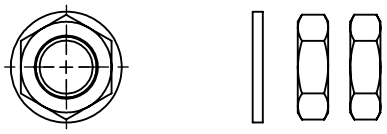
material: stainless steel (A2)



AT024-B Slot

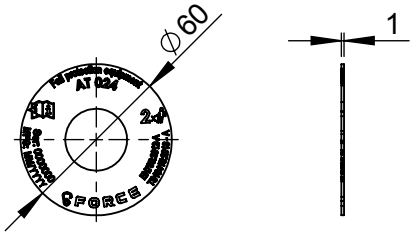
material: stainless steel (A2)

L= 48mm; 115mm; 220mm; 300mm; 470mm.



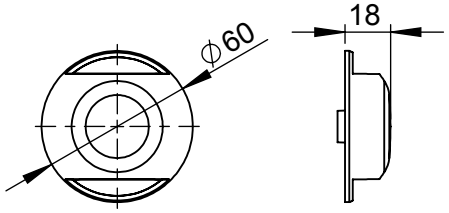
AT024-D Screwing set
(2x M24 nut + 1 x washer)

material: stainless steel (A2)



AT024-E Informative label

material: stainless steel (A2)



AT024-F Cup

material: PA (polyamide)

Dropstop-Anchor

Product ref. no: AT024

SOCKET INSTALLATION

Requirements relating to the structure to which the AT024 socket is fitted.

The Dropstop-Anchor must be used with personal fall protective equipment against falls from a height conforming to EN363, that limits the maximum force generated during a fall to a value not more than 6kN. Taking into account a safety margin, the recommended strength of the anchor socket to a supporting structure must be: for 1 user - 9kN; for 2 users - 10.5kN; for 3 users - 12kN. Acceptable loading directions are presented in diagram 1.

The AT024 Dropstop-Anchor can be installed to a variety of base materials providing they meet the requirements given within this document and are positioned and tested in accordance with BS7883.

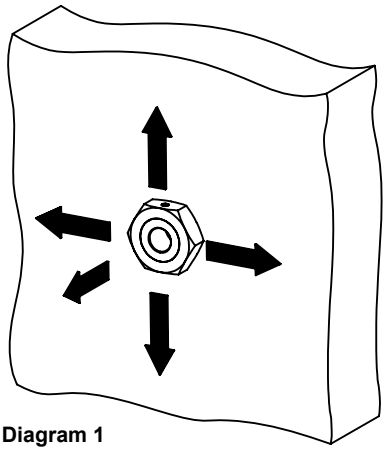
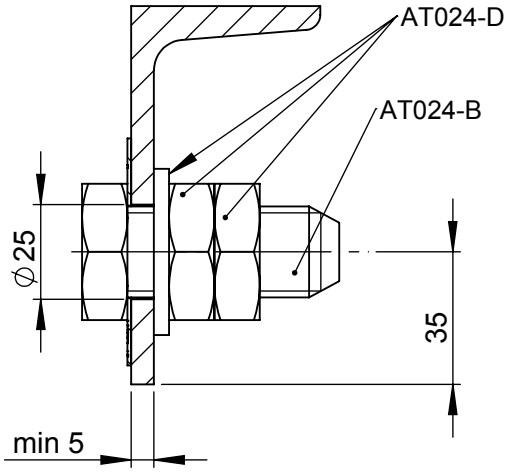
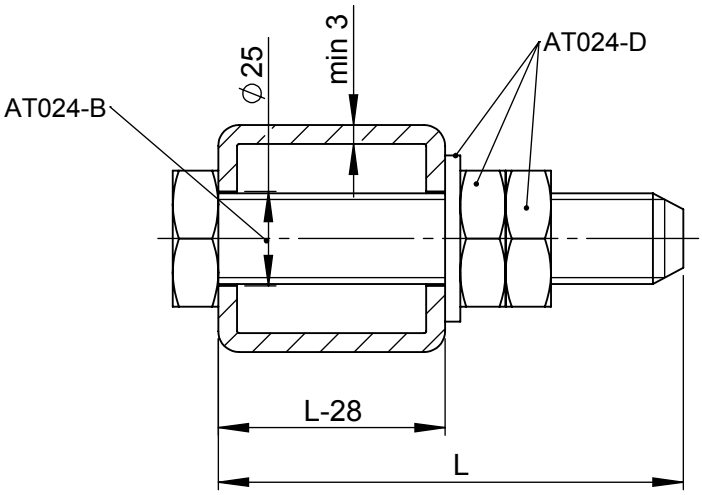


Diagram 1
Directions of load

Socket fitting to a steel structure





PRODUCT DATA FILE

Dropstop-Anchor

Product ref. no: AT024

Socket fitting to a concrete structure

Socket sleeves may only be fitted in structural concrete. The AT024 socket must never be installed into screeds, leveling concrete layer, plaster or cladding. The structural concrete base strength must correspond to:
Concrete class C16/20 according to EN206-1:2003.

In the order to install the socket in the concrete base a, ∅28mm hole should be made using a hammer drill with a four point masonry drill bit. The hold must be cleaned of all dust and debris.

For anchoring in a concrete base, the AT024-B socket of suitable length must be used. The socket's length should be determined according to the dimensions presented on the drawings. The minimum effective anchorage depth of 90mm in the structural concrete must be achieved. This minimum depth must not include the thickness of any additional layer over the finished concrete, such as plaster or plasterboard.

The minimum distance from the edge of the structural concrete is = 60mm.

The socket sleeve should be fitted with the HILTI's HIT-HY200 (or FISHER's FIS369V) injection resin or other of properties not worse than the specified resin. Ensure installation conditions dry. To prepare the hole for resin application, strictly follow a resin producer guidelines in this respect.