

# MANUAL ANCHOR POINT

API60



CE 2927  
EN795-A:2012 and TS 16415:2013



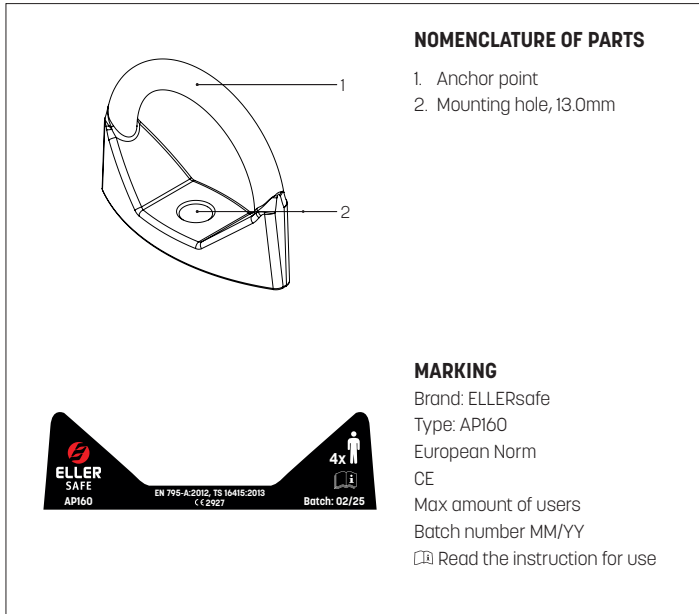
## NOTIFIED BODY:

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## DESCRIPTION

Anchor device in steel 98 x 34 x 75 mm, composed of a rod diameter 12 mm with internal hole width 70 mm and a base 98x34 mm with hole  $\varnothing$  13.0 mm.

The anchor device is intended to be used in horizontal and vertical surface in axial and radial direction to the ring or in overhead position by 4 people at the same time.



## INSTALLATION

Fig. 1

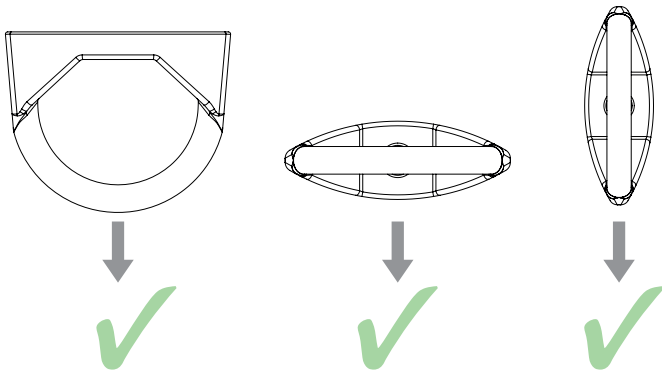
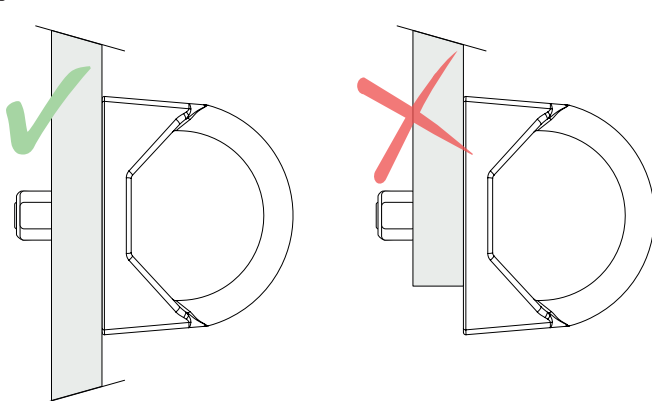


Fig. 2



## INSTALLATION ON STEEL AND CONCRETE SURFACES

Anchor point should be installed above the workplace.

### STEEL

Anchor point may be installed on steel structure the thickness of which is more than 3mm. Drill a hole of 12.5-13mm in diameter. Strength of steel structure to which anchor point is to be installed should be calculated and be no less than 12kN.

Fix anchor point in the drilled hole using M12 bolt of adequate length and strength class, accordingly:

- for galvanized bolts – strength class no lower than 8.8.
- for stainless steel (A2) and acid resistant steel (A4) bolts – strength class no lower than 70.

Bolts should be tightened using a torque wrench by applying a torque of no more than 40Nm.

### CONCRETE

Anchor point is suitable also for installation in concrete structures using mechanical anchors (through bolts) or chemical anchors of 12mm in diameter. For installation using mechanical and chemical anchors, keep closely to recommendations given by manufacturers of these anchors (drilling depth, drill bit diameter, anchor torque).

Concrete structure should be dense and have no surface cracks or chips. Mechanical strength of concrete should be no higher than 20MPa.

Anchors should be tightened using a torque wrench with a torque value specified by the manufacturer.

The whole flat surface of the anchor point must be in contact with the host surface. (fig. 2)

### USAGE

In accordance with EN 795:2012 type A strength of this point is min. 12 kN in any direction. If the device is used as a part of a fall arrest system, the user must be equipped with an element limiting maximum dynamic forces applied on user while arresting a fall to max. 6 kN.

Fall protection system should be attached the anchor with EN362 connectors only. The system should be connected to the anchor in such a way the function of any component of the system is not affected by, or interferes with the function of any other.

### LIFETIME

Maximum time of usage of correctly operating devices is unlimited. The device must be withdrawn from use immediately and destroyed if it has been used to arrest a fall or there are any doubts concerning its function.

**NOTE:** Maximum time of use of the device depends on intensity and environment of use. If the device is used in heavy conditions, being exposed to frequent contact with water, sharp edges, corrosive substances, extreme of temperatures, it may be necessary to withdraw the device after only one use.

### PERIODIC INSPECTIONS

At least once a year, after every 12 months of use, it is necessary to carry out periodic detailed inspection of the device.

Periodic inspection shall be carried out by service point authorized by the Manufacturer or a competent person with adequate skills, trained in performing inspections of such equipment.

A trained person is a person who, based on own specialized education and adequate experience, has sufficient knowledge within installed protective and rescue equipment, and is familiarized with applicable OHS regulations, guidelines and generally acknowledged technical rules to such extent that is able to assess safety of use and correct application of protections. After 5 years of use, it is recommended that periodic inspections are carried out by the manufacturer of the equipment or an entity authorised by the manufacturer to carry out such inspections.

Before each use of the system check whether date of the next inspection is not expired. Do not use the device after this date.

If any defect or lack of integrity is found, do not use the point.

A system which has been used to arrest a fall must be withdrawn from use immediately! The system which has been used to arrest a fall may be admitted for use again after a detailed inspection is carried out by the manufacturer or an authorised service point.

