

Universal anchor point AT156

Reference number AT156
EN 795:2012 Type A
CEN/TS/16415:2013

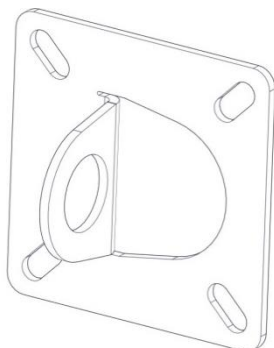


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1. General

Anchor point is an anchor device compliant with EN 795:2012 Type A and CEN/TS/16415:2013

Anchor point is made of stainless steel.

Anchor point is designed to be used by 3 users working at a time.

Due to an increased strength of the anchor point, it can be installed with horizontal temporary lifeline fall protection systems, e.g. AE320, AE321.

Static strength of anchor point is min. 30 kN.

Anchor point is designed to be fixed to both concrete and steel structures.

Anchor point conforms to Regulation of the European Parliament and of the Council (EU) of 9 March 2016 on personal protective equipment 2016/425.

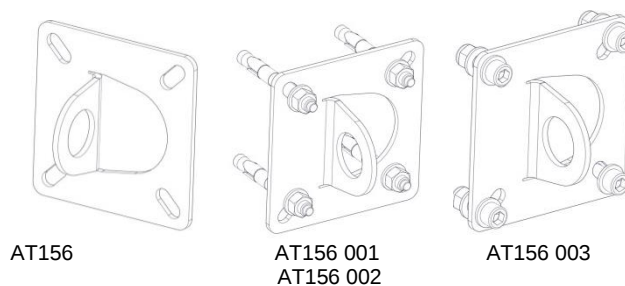


Figure 1. Composition of kits

AT 156 - only anchor point,
AT156 001 – anchor point + 4 galvanized steel segment anchors,
AT156 002 – anchor point + 4 stainless steel segment anchors,
AT156 003 – anchor points + 4 bolts M12x 40 A2 with nuts,

2. Installation data and load directions

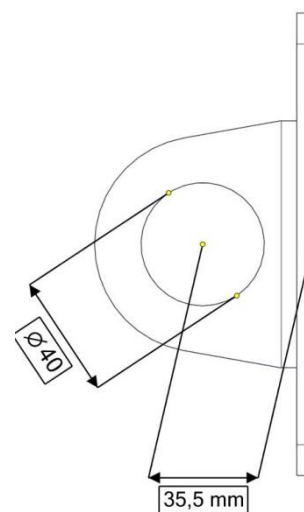
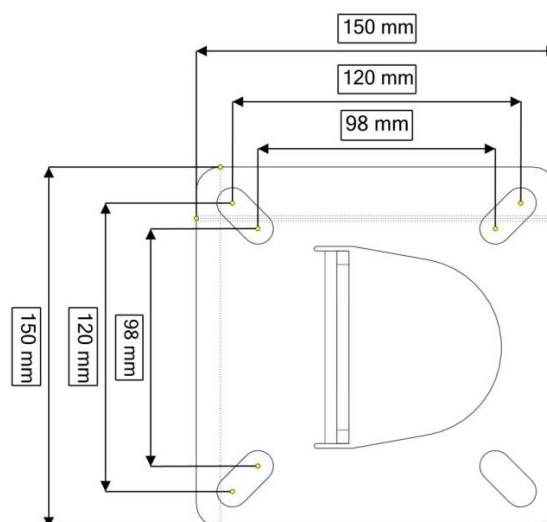


Figure 2. Dimensions and spacing of mounting holes

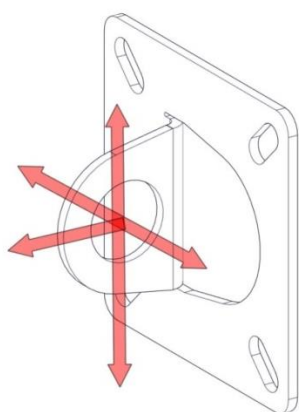


Figure 3. Loading direction of point

3. Inspection of technical condition

Anchor point should be inspected periodically (at least once a year), and when disturbance of the supporting structure leading to deterioration of its protective characteristics is suspected.

Inspection should be carried out by a person in charge of personal protective equipment in user's organization. Make sure to check polyester webbing for mechanical, chemical or thermal damages and its condition. Inspection of anchor sling and its release to further service should be recorded in the Identity card.

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 usage 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.

4. Release of anchor point to service

Before the anchor point is used for the first time make sure to:

- inspect its technical condition by following procedure given in point 3 of the manual
- complete the Identity card with date of first release to service (record should be made by person in charge of personal protective equipment in user's organization)

Anchor point should be used with relevant personal fall protection equipment conforming to the following standards **Figure 4:**

Lanyards	EN 354
Energy absorbers	EN 355
Retractable type fall arresters	EN 360
Guided type fall arresters including a rigid and a flexible anchor line	EN 353-2 and EN 353-1
Descender devices for rescue	EN 341
Connectors	EN 362

Figure 4. Chart of compatible standards

5. Installation of anchor point

- Determine position of anchor points,
- Depending on substrate in which the installation is to be carried out, prepare proper fasteners, bolts M12 or segment anchors M12,
- If a point constitutes an anchor point for personal fall protection equipment and energy absorbing and connecting components, it can be fixed using two fasteners (bolts, anchors).
- **If a point constitutes and anchor point for horizontal temporary lifeline fall protection systems compliant with EN795 Type B, C, it must be installed using 4 fasteners.**

For a direct attachment of energy absorbing and connecting component, anchor point can be used in any direction by installing anchors and bolts at its diagonal, **Figure 5.** Anchor point installed in such way has strength in either direction of min. 14 kN.

In such configuration with two fasteners, do not attach horizontal temporary lifeline fall protection systems to the point, where strength of the final point > 14 kN is required.

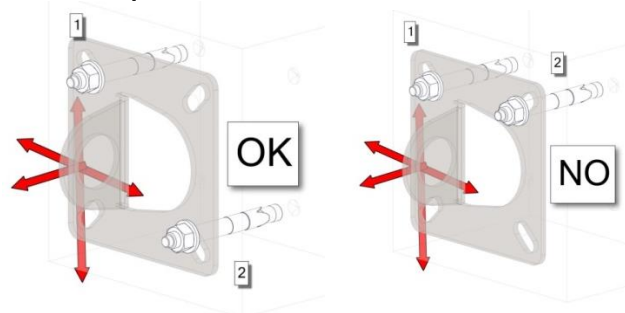


Figure 5. Arrangement of point on concrete structure

When anchor point is used on concrete structure as final point used for attachment of horizontal temporary lifeline fall protection system (compliant with **EN 795 Type B or C**), anchor AT156 must be installed using 4 fasteners (mechanical or chemical anchors) **Figure 6.**

Component of equipment	Standard
Personal protective equipment for work positioning	EN 358

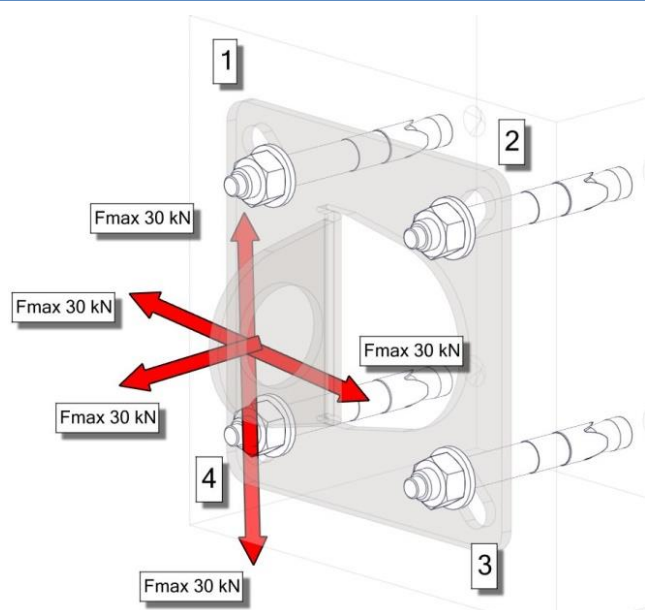


Figure 6. Installation of anchor point to devices compliant with EN 795 Type B and Type C – installation on concrete

When anchor point is used on steel structure, the point can be fixed using either 2 or 4 bolts M12, regardless of whether it constitutes an anchor point for either energy absorbing and connecting component or horizontal temporary lifeline fall protection systems (compliant with EN 795 Type B or C) **Figure 7**

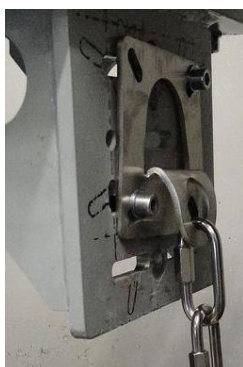
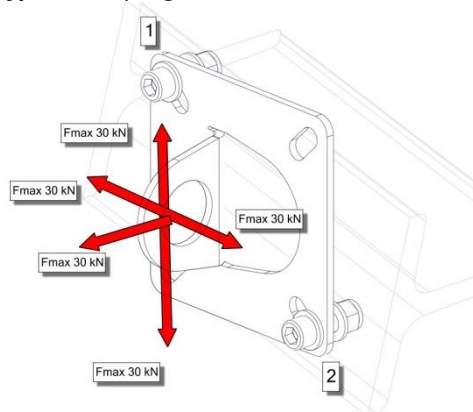


Figure 7. Installation of anchor point to devices compliant with EN 795 Type B and Type C – installation on steel

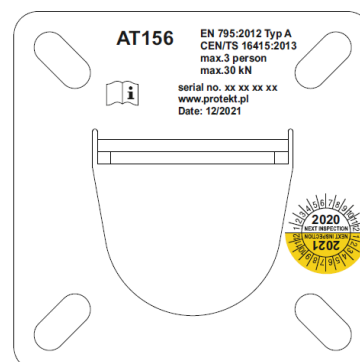


Figure 8. Marking of product

- a- Manufacturer data
- b- Name of product
- c- Read the manual before use
- d- Date of manufacture
- e- No. of standard
- f- Serial number of product
- g- Number of simultaneous users of the device.

6. Essential principles for use of personal fall protection equipment

- Anchor device must be used in accordance with instruction manuals of personal fall protection equipment and standards:

EN 361 - full body harnesses

EN 352-3; EN 355; EN 360 - fall restraint devices

EN 362 - connectors

EN 795 - anchor points

- personal fall protection equipment should be used only by personnel trained in its use.
- personal fall protection equipment must not be used by people with medical condition that could affect safety of user of the equipment in normal and emergency use.
- prepare a rescue plan to be implemented whenever necessary.
- it is forbidden to make any alterations or additions to the equipment without prior written consent given by the manufacturer.
- any repair shall only be carried out by manufacturer of the equipment or an authorized representative.
- personal fall protection equipment shall not be used for any purpose other than intended.
- personal fall protection equipment provides individual protection and shall be used by one person only.
- before each use make sure that all parts of fall protection system cooperate correctly. Periodically examine connections and fitting of components of the equipment to prevent any accidental loosening or disconnection.

- it is forbidden to use a combination of the equipment where function of any component is affected by, or interferes with the function of any other.
- before each use of personal fall protection equipment, a pre-use check should be carried out to ensure that it is in a serviceable condition and operates correctly.
- in particular, inspect all accessible elements of the equipment for any damages, excessive wear, corrosion, abrasion, cutting or improper function. For individual devices pay particular attention to:
 - ✓ in full body harnesses and work positioning devices: buckles, regulating elements, attachment points (buckles), webbings, seams, belt loops;
 - ✓ in energy absorbers: attachment loops, webbings, seams, housing, connectors;
 - ✓ in lanyards and textile guides: rope, loops, thimbles, connectors, regulating parts, splices;
 - ✓ in lanyards and steel guides: rope, wires, clamps, loops, thimbles, connectors, regulating parts;
 - ✓ in retractable type fall arresters: lanyard or webbing, retractor and locking mechanism for proper operation, housing, energy absorber, connectors;
 - ✓ in guided type fall arresters: body, proper guiding, locking mechanism for proper operation, rollers, bolts and rivets, connectors, energy absorber;
 - ✓ in connectors (snap hooks): load-bearing body, rivets, main pawl, function of locking gear.
- at least once a year, after each 12 months of use, personal fall protection equipment must be withdrawn from use to carry out periodic detailed inspection. Periodic inspection can be carried out by a person who is responsible for periodic inspections in user's organization and properly trained in this respect. Periodic inspections can be carried out also by the manufacturer of the equipment or his authorized representative, or an authorized company. Inspect in detail all accessible elements of the equipment paying attention to any damages, excessive wear, corrosion, abrasion, cutting or incorrect function (see the above item.) In some cases, if the fall protection equipment has a complex design (e.g. fall arresters), periodic inspections can be carried out by manufacturer of the equipment, or his authorized representative only. After the periodic inspection, date of the next inspection should be marked.
- regular periodic inspections are essential as regards condition of the equipment and safety of users that is dependent on functionality and durability of the equipment.
- during periodic inspection it is necessary to check legibility of all markings on the equipment (identity label of the device).
- all information on fall protection equipment (name, serial number, date of purchase and date of first use, name of user, information on repairs and inspections and withdrawal from use) must be provided in the Identity card of the device. It is responsibility of user's organization to provide the Identity card and to fill in the required details. The Identity card should be filled in by a person in charge of personal fall protection equipment in user's organization. It is forbidden to use personal fall protection equipment if the Identity card is not filled in.
- if the equipment is re-sold outside the original country of destination the reseller must provide instructions for use, for maintenance, for periodic inspection and for repair in language of the country where the product is to be used.
- personal fall protection equipment must be withdrawn from use immediately if any doubts arise in regard of its condition, or proper operation. The equipment must not be used until manufacturer of the equipment carries out a detailed inspection and gives his written consent to use the equipment again.
- personal fall protection equipment must be withdrawn from use immediately and destroyed if it has been used to arrest a fall.
- full body harness is the only admissible device to be used to support the user's body in personal fall protection equipment.
- in full body harness, to attach a fall protection system use only attachment points (buckles, loops) marked with capital letter "A".
- Anchor point or device of the fall protection equipment should have a stable structure and position so as to prevent a possibility of the load fall and minimize a free fall distance. Anchor point of the equipment should be located above the user's workplace.
- Shape and construction of the anchor point shall not allow for a self-acting disconnection of the equipment. It is recommended to use certified and marked anchor points of the equipment compliant with EN 795.
- It is obligatory to verify the free space required under the user at workplace before each use of the fall protection system, so that, in case of a fall, there is no collision with the ground or other obstacle in the fall path. The required free space should be determined on basis of data given in the instruction manual of the equipment to be used.
- Personal fall protection equipment must be transported in a package (e.g.: bag made of moisture-proof textile or foil bag or cases made of steel or plastic) to protect it against damage or moisture.
- Personal fall protection equipment should be cleaned without causing adverse effect on materials used in the manufacture of the equipment. For textile materials (webbings, ropes) use agents suitable for delicate fabrics. Can be washed in hands or in a washing machine. Rinse thoroughly.
- Wash textile products with water only. If the equipment becomes wet, either when cleaning or in use, allow it to dry naturally, and keep it away from any sources of heat. In metallic products lubricate slightly some mechanical parts (springs, hinges, pawls, etc.) regularly to ensure their better operation.
- Personal fall protection equipment should be stored loosely packed in well-ventilated rooms, protected from direct light, UV degradation, dust, sharp edges, extreme temperatures and aggressive chemical substances.

7. Warranty

The manufacturer grants a warranty for 12 months from the date of purchase of the device. If a defect is found in any part, the warranty and guarantee period for this part is extended by the time of repairs and effective removal of the found defect.

The warranty covers:

- Defects in material,
- Defects in workmanship,
- Anti-corrosion coating defects

According to the requirements of EN 365 an anchor point shall be subject to periodic inspections carried out at least every 12 months. Periodic inspection shall be carried out by service point authorized by the manufacturer or person trained in inspections of such equipment.

A trained person is a person who, based on own specialized education and adequate experience, has sufficient knowledge in 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 protection devices.

Before each use of the system check whether date of the next inspection is not expired. Do not use the device after this date. Before each use of the system visually check the system for its integrity and technical condition and whether steel cable is tensioned.

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

If any doubts arise as for the use, please contact the manufacturer and never make any repairs on your own!

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 authorized service point.

When using the system, pay special attention to risks affecting operation of personal fall protection equipment or the user's safety, and in particular to kinks and rope movement on sharp edges, oscillatory falls, electricity, influence of extreme temperatures, equipment damage, adverse environmental factors, chemical substances and contamination.

Neither modify, repair components of the system nor replace them with non-original spare parts.

8. Identity Card

IDENTITY CARD (compliant with EN365)					
Reference number of device	AT156		Serial number:		
Date of first use (installation)			Date of manufacture:		
Place of installation					
User name:					
Inspection and repair record					
No .	Date of inspection	Type of inspection / repair	Remarks	Date of next inspection	Name and signature of service technician
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					



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