TECHNICAL FILE

PST Standard anchoring post





Support & anchoring point

PRODUCT BENEFITS

The PST range comprises standard bollards in galvanised steel or stainless steel, designed for installation on concrete or roof structures, thanks to its dedicated fixing kits. Versatile, it can be both an anchorage point and a support for a cable or rail lifeline.



Preserves watertightness

Insulated version available: the post is filled with a mixture of vermiculite and perlite to reduce thermal bridging. Meets RT2012 requirements (ISO 10211)

Fixing kits

Complete range of fixing kits for concrete, wood and/or metal frames



General information



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PRESENTATION

The PST range is a versatile range of anchor points, cable lifeline supports and rail lifeline supports.

The WVPST1 anchor point is designed to be installed on a structure using 4 structural anchors or 4 fixing elements with a diameter \ge 12mm.

The WVPST2 anchoring point is designed to be installed on a concrete slab using 4 structural anchors or 4 fixing elements with a diameter \geq 12mm.

The posts in the PST range are suitable for use as EN795 Class C lifeline supports, with a maximum admissible value at the head of the post of 18kN.

TECHNICAL SPECIFICATIONS

- Standard bollard material: galvanised steel
- Stainless steel post material: 304 stainless steel
- Flange material: UV-resistant HD PE

CONFORMITY & MARKING

Product marking in accordance with standard EN 365 WVAFXBM and WVAFXBMPA products comply with the :

Standard EN 795 Type A.

CEN/TS 16415:2013



Type tests carried out by: • ALPES CONTROLES office

367 Av du Grand Arietaz - 73000 Chambéry

REMINDER OF STANDARDS

Only when it is technically impossible to provide collective protection can individual protection against falls from height be considered (French Labour Code R4323-61).

Personal protective equipment can also be used as a complement to collective protection. The use of this type of protection imposes organisational constraints, in particular:

- defining, installing and choosing the type of equipment (lifeline, anchorage point, etc.),
- work with at least two people,
- definition of an emergency response plan,
- installation and use instructions,
- staff information and training,
- periodic inspections,
- weather conditions.

As a reminder, extract from recommendation R430 - INRS/CNAMTS :

For buildings to be constructed of any kind, technical provisions to facilitate the prevention of falls from height during subsequent work on the building must be provided for at the design stage.

The ground of technical impossibility cannot therefore be accepted, as it is now up to the project owner to modify his project so that no situation remains that cannot be properly resolved, at least, by the implementation of collective protection.



Certificate of conformity



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Tél : 04.50.64.26.55 Mail : sps.annecy@alpes-controles.fr

STANDART COMPLIANCE PST2

1 APPLICANT

Applicant : Mr Florian WATELET Manufacturer : VERTIC - 691, Chemin des fontaines - CIDEX 8F - 38190 BERNIN - France

2 EXAMINED EQUIPMENT

Brand : VERTIC Commercial designation : Concrete slab standard rigid post Reference : PST2

3 STANDARDS

NF EN 795 : March 2016 (A) TS 16415 : 2013 (A)

4 TERMS OF USE

- · This device is not considered as being a personal protection equipment.
- This device is intended to be used in combination with a personal protection equipment.
- Installation is possible on horizontal and inclined mounting surfaces.

5 DESCRIPTION

See report n° 740-X-2016-006L written on 9th august 2016.

6 CONCLUSION

PST2 device complying of static and dynamic tests to reference (§3) standards.

9th august 2016 Inspector, Bruno DELACQUIS

 Bureau Alpes Contrôles - SAS au capital de 500 000 € - SIREN : 351 812 698 - APE : 71208 - Id. TVA : FR 21 351 812 698

 Siège social : 3, impasse des Prairies - PAE Les Glaisins - 74940 ANNECY LE VIEUX

 Tél. : 04 50 64 06 75 - Fax : 04 50 64 06 02 - contact@alpes-controles.fr



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Agence d'Annecy le Vieux 3 bis impasse des Prairies 74940 ANNECY Tél : 04 50 64 26 50

OBSERVATION OF STANDARD STATIC AND DYNAMIC TESTS Standard Post PST1

1 APPLICANT

Applicant: Mr Alexandre DALLA LIBERA Manufacturer: VERTIC - 691, Chemin des fontaines - CIDEX 8F - 38190 BERNIN - France

2 EXAMINED EQUIPMENT

Brand: VERTIC Commercial designation: Standard Post PST1 Reference: PST1

3 STANDARDS

- NF EN 795 : March 2016 (A)
- TS 16415 : 2013 (A)

4 EXAMINATION RESULTS

The examination results and the technical file are recorded in Report No. 740-T-2019-0001 published on January 25, 2019

5 CONCLUSION

PST1 device complying during observation tests of static and dynamic tests to reference (§3) standards.

On January 25, 2019 Le chargé d'affaire, Didier OYON

BUREAU ALPES CONTRÔLES - Siège social | 3 bis imp. des Prairies PAE Les Glaisins Annecy-ie-Vieux 74940 Annecy 04 50 64 06 75 | contact@alpes-controles.fr | www.alpes-controles.fr Annecy - SiREN 351 812 698 - RCS Annecy - APE 71208 - SAS au capital de 2 000 000 €











QUINTIN CERTIFICATIONS 1031 route de Saint Ange 38760 VARCES ALLIERES ET RISSET - France Tél. +33.(0)7 66 29 39 28 g.ouintin.cors.ut/@pmail.com www.ou/infincertifications.com

CERTIFICATE OF CONFORMITY N°RQC2020-041/A

1. APPLICANT

Applicant: Mr Sébastien DUSSERT Manufacturer : DELTA PLUS SYSTEMS – ZAC La Peyrolière - BP140 - 84405 Apt Cedex - France

2. EQUIPMENT

Type of equipment : Trademark : Reference : Anchor device type A – EN 795 : 2012* and TS 16415 :2013* DELTA PLUS SYSTEMS PAPSTC

3. DESCRIPTION

Anchor post in galvanized steel 80x80x3 mm height 500 mm welded on square base 200x200x8 mm with 4 holes Ø 15 mm for fastening in horizontal surface and with swivel anchor point ANOV which allowed the connection of 2 users simultaneously.

(full description and results in the conformity report n°RQC2020-041-1).



4. TECHNICAL REFERENTIAL

The anchor device type A has been evaluated according to the relevant requirement of the standard EN 795 : 2012* "Personal fall protection equipment – Anchor devices" and the technical specification TS 16415 :2013* "Personal fall protection equipment – Anchor devices – Recommendations for anchor devices for use by more than one person simultaneously".

5. CONDITION OF USE

This anchor device type A is not considered as personal protective equipment against falls from a height. It is intended to be used, in combination with other components, as personal protective equipment against falls from a height.

6. CONCLUSION

The Anchor device Type A, reference **PAPSTC**, presented by **DELTA PLUS SYSTEMS** and described in the conformity report RQC2020-041-1, conforms to the requirements of European standard EN 795:2012* and Technical Specification TS 16415:2013*.

The anchor device also underwent with a successful 15 kN complementary static test for 3 minutes.

20/07/2020 The head of QUINTIN CERTIFICATIONS Guillaume QUINTIN



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QUITIN CERTIFICATIONS - 1031 route de Saint Ange - 38780 VARCES ALLIERES ET RISSET - France TEL +53 (0) 7 66 29 39 28 - Email : <u>o quintin consultiĝgmai.com</u> SARL au capital de 10 000 € - SREN 646 919 676 - TVA intracommunautaire FR81648 919 676

QC-151-V1- Attestation de conformité Cofrac GB/RQC2020-041 A GB_DELTA PLUS SYSTEMS.docx/ 22/07/2020 17:17



Marking

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Product marking in accordance with EN 365

- 1 Manufacturer's name
- ² Reference of the year making up the anchor point
- ³ Date of manufacture of the ring
- 4 Pictogram inviting you to read the instructions
- 5 Standards to which the equipment complies
- ⁶ Maximum number of people authorised to connect simultaneously







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Information

If the product is resold outside the first country of destination, it is essential for the safety of the user that the reseller provides the instructions for use, maintenance and periodic inspections in the language of the country where the product is to be used. These documents can be supplied on request by contacting the manufacturer.

These instructions are intended for users and installers of the PST range of anchors.

It must be read and understood by each person before using and/or installing the product. If you are in any doubt, have difficulty understanding it, or if a problem arises which is not dealt with in this document, contact your Delta Plus Systems representative or the Delta Plus Systems technical service directly. This manual must always be available and accessible to the user. Any activity at height is dangerous and may cause accidents, serious injury or death. You are responsible for practising and learning the techniques for using the appropriate equipment. Before using the product, you must therefore read and understand all the information contained in the instruction manual. Failure to heed any of these warnings could result in serious injury or death. For safety reasons, the user must be in good health and not under the influence of medication, alcohol or drugs. This equipment must only be used by people who are trained and competent to use it safely. Use of the anchor is strictly forbidden if the product is incorrectly installed or damaged. No modification of or addition to the equipment may be made without the prior written consent of Delta Plus Systems, and any repairs must be carried out in accordance with Delta Plus Systems operating procedures. The anchorage must not be used inbeyond its limits, or in any other unforeseen situation. Before any use of the anchorage, a rescue plan must be put in place to deal with any emergency that may arise during the work. Before and during use, consideration should of course be given to ensuring that any such rescue can be carried out safely and effectively.

Instructions for use

This product is intended exclusively for use as an anchor for personal protective equipment (PPE) against falls from a height and not for lifting equipment.

The anchor point is designed to be installed on a concrete slab using 4 structural anchors or 4 fixing elements with a diameter \ge 12mm.

The is suitable for use as an anchor point by two people simultaneously with the following authorised connections:

- Guided type fall arresters EN353-2
- Automatic fall arresters EN360
- Energy absorber EN355

The user must be equipped with a means of limiting the maximum dynamic forces exerted on him when stopping a fall to a maximum value of 6kN.

Authorised connections will be made to the person using a fall arrest harness that complies with Standard EN 361. The fall arrest harness is the only body-gripping device permitted to be used in a fall arrest system.

The is suitable for use as an EN795-C lifeline support with a maximum permissible value at the head of the post of 18kN.

Important - Prevention before use

Visually check that the anchor point is in good condition:

No permanent deformation of the anchoring ring



Instructions for use



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- No signs of corrosion likely to affect the product's functionality.
- Fixing in good condition. Check that the mounting plate is properly tightened.

The anchor point is marked with the date of the next or last inspection.

At height, your life depends on the equipment used. Any doubts about the safety of the device must be reported to the manufacturer and to the person responsible for the installation. After an impact on the anchorage point, do not use the product again until it has been checked and brought back into compliance by a competent person authorised by the manufacturer.

Make sure that the PPE you use with the anchorage ring is not damaged so as not to affect its safety function.

Installation

For safety reasons, it is essential that the anchorage point is always correctly positioned and that the work is carried out in such a way as to minimise the risk of falls and the height of fall. It is also important to check that there is sufficient clearance below the user in the workplace, so that in the event of a fall there is no collision with the ground and no other obstacle in the path of the fall. The anchorage must therefore be installed with all these safety parameters in mind. The product must be installed by fitters approved or trained by Delta Plus Systems.

Installers must ensure that the support materials in which the structural anchors are fixed are suitable. Delta Plus Systems cannot be held responsible for incorrect installation of the anchorage point. A schematic plan should be affixed to the building so that it is visible to all. Where several anchor points need to be photographed for identification purposes, it is recommended that the anchor devices be marked with numbers and that this numbering be incorporated into the inspection records for the anchoring device and a ground plan of the installation area.

Service life - Disposal Maintenance & overhaul

For Delta Plus Systems products, plastics and textiles, the maximum service life is 10 years from the date of manufacture, with the exception of the WVABS55 reference, as long as an annual inspection is carried out. There is no limit for metal products.

CAUTION: an exceptional event may lead you to reject a product after a single use (type and intensity of use, environment of use: aggressive environments, marine environment, sharp edges, extreme temperatures, chemicals, etc.).

A product must be scrapped when :

- It is over 10 years old and made of plastic or textile.
- It has suffered a significant fall (or strain). The result of the product checks is not satisfactory.
- > You have doubts about its reliability.
- > You don't know its full history of use...

Its use is obsolete (changes in legislation, standards, technology or incompatibility with other equipment, etc.).

Destroy these products to prevent future use.

Delta Plus Systems warrants this product against defects in materials and workmanship. The following are excluded from the warranty: normal wear and tear, oxidation, modifications or repairs, improper storage, improper maintenance, damage due to accidents, negligence or use for which this product is not intended. A soiled product must be washed and rinsed with clean water, then dried. It must not be brought into contact with corrosive or aggressive materials, or stored at temperatures below -20°C.





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extreme temperatures. All chemical products and solvents can alter the resistance of the anchoring point. If the product is likely to come into contact with these products, please let us know the exact name of the chemical components and we will respond after an appropriate study. It is well known that equipment in use degrades progressively, so it is difficult to give a precise lifespan for the product without knowing the intensity and frequency of use. Similarly, an exceptional situation may limit the lifespan to a single use. Certain environments accelerate the ageing of the product (salt, sand, snow, chemical environment, etc.) (non-exhaustive list). Delta Plus Systems warrants this product against defects in materials and workmanship. The following are excluded from the warranty: normal wear and tear, oxidation, modifications or repairs, improper storage, improper maintenance, damage due to accidents, negligence or use for which this product is not intended.

It is recommended that the condition of the anchorage point be checked at least once a year by an authorised and competent person in strict compliance with Delta Plus Systems operating procedures. These regular, periodic checks are necessary because the safety of the user depends on the equipment remaining effective and strong. The general condition of the equipment must be checked, as well as the condition of the fasteners, the tightening torque and the legibility of the markings. The inspection and the results must be recorded in writing in a maintenance log using the identification and inspection sheet.

No repairs may be carried out on products in the PST range. If in doubt about the condition of the product, replace it with an original Delta Plus Systems part. Our training centre Delta Plus Training can train you in all these operations of maintenance, revision and repair of Delta Plus Systems products and also carries out all these maintenance operations. Delta Plus Systems also assists you in checking, inspecting and maintaining your permanent fall arrest and PPE safety systems. You can also ensure that your teams are fully conversant with the use of these fall arrest solutions and the basic concepts they need to know in order to work at height in complete safety, by offering them comprehensive, personalised training courses run by our training centre.



Delta Plus Training - 691, Chemin des Fontaines - Cidex 8F - 38190 BERNIN - France





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GENERAL NOMENCLATURE





Assembly



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GENERAL NOMENCLATURE









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TOOLS & PERSONNEL REQUIRED

Concrete











FIXING KIT : WVANCRM12







4











FIXING KIT : WVANCRM12













FIXING KIT : WVANCRM12





Assembly



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TOOLS & PERSONNEL REQUIRED Frame clamping kit



PRE-REQUISITES











FIXING KIT : WVKB1









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FIXING KIT : WVKB2









Support & anchoring point

FIXING KIT : WVKB2















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FIXING KIT: WVKBxP (KB1P, KB2P or KB3P)







TOOLS & PERSONNEL REQUIRED Timber framing kit









TOOLS & PERSONNEL REQUIRED Timber framing kit





	á	a
е	Min	Max
3	3	9
6	6	12
9	9	15

FIXING KIT: WVKCxP (KC1P, KC2P or KC3P)









FIXING KIT: WVKCxP (KC1P, KC2P or KC3P)







Support & anchoring point

ANCHORING POST WVPST2 - WVPSTINX2

Product identification	
Manufacturer / Supplier :	Delta Plus Systems
Product name / Reference :	Anchor post - WVPST2
Normative references :	NF EN 795 : March 2016 (A)
Normative references.	TS 16415 : 2013 (A)



User ident	User identification				
Name :		Company :			
History ch	eck				
Year of		Date of first use :			
manufactur e :		Date of purchase			

The controller declines all responsibility in the event of inaccuracy in the information concerning the historical verification which must be carried out by the user. The user is obliged to keep the entire history of the periodic examinations and repairs carried out.

Service life / Disposal

For Delta Plus Systems products, plastics and textiles, the maximum service life is 10 years from the date of manufacture. There is no limit for metal products. CAUTION, an exceptional event may lead you to reject a product after a single use (type and intensity of use, environment of use: aggressive environments, marine environment, sharp edges, extreme temperatures, chemicals, etc.).

A product must be scrapped when :

- It is over 10 years old and made of plastic or textile, except for the seals, which need to be inspected regularly.
- He has suffered a serious fall (or strain).
- The results of the product checks are not satisfactory. You have doubts about its reliability.
- You don't know its full history of use.
- When its use is obsolete (changes in legislation, standards, technology or incompatibility with other equipment, etc.).

Destroy these products to prevent future use.







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Comments Sood	C To watch out for	🛠 Repaired		σ	o be disc	carded
Visual check of components				0	*	Í
General condition of the anchoring post (condition of w	velds, marks, deformations, corrosi	on, etc.)				
Condition of fasteners (tightness, corrosion, presence o	of square washers, etc.)					
Presence and condition of plastic collar						
Presence of markings with normative information						

Functional verification of components	Ì	0	*	
Correct location of the anchoring post in relation to the area to be secured		-		
Anchoring ring rotates correctly (if ring rotates)				

Comments :			

Inspection verdict					
	The product is <u>fit</u> to remain in service		The product is unfit to remain in service		

Identification and visa of the controller					
Name :		Company			
Date of inspection :		Controller's stamp (Signature /			
Date of next inspection :		Stamp) :			





Support & anchoring point

ANCHORING POST WVPST1 - WVPSTC - WVPSTIS - WVPST250 - WVPSTINOX1

Product identification		
Manufacturer / Supplier :	Delta Plus Systems	
Product name / Reference :	Anchor post - WVPST1	
Normative references :	NF EN 795 : March 2016 (A)	
	TS 16415 : 2013 (A)	

User ident	User identification				
Name :		Company :			
History check					
Year of		Date of first use :			
manufactur e :		Date of purchase			

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Comments Good	9	To watch out for	🛠 Repaired		σ	o be diso	carded
Visual check of components				0	0	*	Í
General condition of the anchoring post (cor	ndition of welds, marks, o	deformations, corrosi	on, etc.)				
Condition of fasteners (tightness, corrosion,	presence of square was	hers, etc.)					
Presence and condition of plastic collar							
Presence of markings with normative inform	ation						

Functional verification of components	Ę	0	*	Í
Correct location of the anchoring point in relation to the area to be secured				
Anchoring ring rotates correctly (if ring rotates)				

Comments :			

Inspection verdict				
	The product is <u>fit</u> to remain in service		The product is <u>unfit</u> to remain in service	

Identification and visa of the controller						
Name :		Company				
Date of inspection :		Controller's stamp (Signature /				
Date of next inspection :		Stamp) :				

