



TECHNICAL FILE

VERTIRAIL



DELTAPLUS



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Vertical rail system

VERTIRAIL

PRODUCT BENEFITS

The Vertirail vertical rail system is a personal fall protection solution designed to secure vertical structures (ladders, masts, stacker cranes, etc.) and offers incomparable fluidity of movement while providing continuous protection for operators.

Fluidity

Perfectly smooth traffic flow on both ascents and descents

Design

Meticulous finishes and various anodising options available

Ease of use

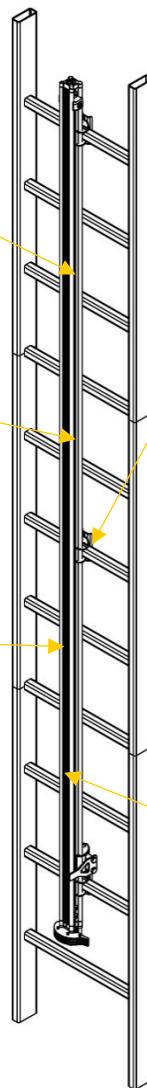
Simultaneous use of the system: 3 users 3 metres apart
Certified with absorber with sternal connection, for vertical use

Practical

Can be installed directly on ladder rungs

Safety

Load capacity: 150kg maximum (including user & tools)





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PRESENTATION

VERTIRAIL is a unique solution for continuously securing all types of vertical structures.

TECHNICAL SPECIFICATIONS

- Rail material: aluminium 6060 T5
- Runner materials: aluminium alloy body, integrated shock absorber and carabiner
- RCBV runner: can be used on structures at 15° to the side and 45° to the front.

A simple downward pull automatically locks the carriage in position.

COMPLIANCE

- EU Regulation 2016/425
- EN 353-1 + A1 : 2017
- EU type-examination certificate issued by :
APAVE SUDEUROPE SAS (n°0082)
CS60193 - 13322 MARSEILLE CEDEX 16 - France
- Production monitoring carried out by :
APAVE SUDEUROPE SAS (n°0082)
CS60193 - 13322 MARSEILLE CEDEX 16 - France
- Download the WVRCBV declaration of conformity via this QR Code



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.



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In enforcement of Regulation 2016/425 of the European Parliament and of the Council of 9th March 2016 on Personal Protective Equipment and repealing the Directive 89/686/EEC and in compliance with the Module B Certification Scheme of Apave 'M.MEPI.45' in force,
En exécution du Règlement 2016/425 du Parlement Européen et du Conseil du 9 mars 2016 relatif aux Équipements de Protection Individuelle et abrogeant la Directive 89/686/CEE et en respect du Programme de Certification Module B de l'Apave 'M.MEPI.45' en vigueur.

APAVE Sudeurope SAS, notified body identified under number 0082, awards the
APAVE Sudeurope SAS, organisme notifié identifié sous le numéro 0082, attribue l'

EU TYPE-EXAMINATION CERTIFICATE Attestation d'examen UE de type N° 0082/0588/160/06/19/0616

The following PPE type complies with the applicable essential health and safety requirements
Le type de l'EPI suivant est conforme aux exigences essentielles de santé et de sécurité applicables

PPE: PPE category III – Guided type fall arresters including a rigid anchor line
EPI: EPI de catégorie III – Antichute mobile incluant un support d'assurage rigide

Trademark: **VERTIC**
Marque commerciale

Model: **VERTIRAIL**
Modèle

Reference: **SYSTEME VERTIRAIL AVEC CHARIOT RCBV**
Référence

Manufacturer: **VERTIC - 691 Chemin des Fontaines - 38190 BERNIN - France**
Fabricant

Description: **Guided type fall arrester RCBV**

Non opening guided type fall arrester, in aluminum alloy 7075T6, with four guiding wheels. Energy absorber reference 710087 integrated in the fall arrester by a shackle in stainless steel AISI304. Energy absorber in polyester webbing protected by a thermoretractable sheet, length 150mm, with a connector with a captive pin reference 710053.

Vertical rigid anchorage line VERTIRAIL

Aluminum 6060T5 square rail dimension 40mm with one side grooved. The lower ends are equipped with a removable tilting end stop kit, reference R.BE. The upper ends are equipped with an end stop kit reference R.EXTF or R.BE. Fixing bracket reference 70701. Junction of the rails with spline in S355 steel. Maximum span 3m. Orientation of use: vertical with a sideways leaning angle from 0° to 15° and a front leaning angle up to 74°. Minimum rated load of 50kg and maximum rated load of 150kg.

Equipment also tested according the requirements of VG11 RfU 11.116:2018, for use with a front leaning angle up to 45°, and according VG11 RfU 11.119:2018 for use by 3 persons (detailed description in EU type examination report 19.0081).

Description: *Antichute mobile RCBV*

Antichute mobile, non ouvrable, en alliage d'aluminium 7075T6, avec quatre roulettes de guidage. Absorbant d'énergie référence 710087 intégré à l'antichute par une manille en acier inoxydable AISI304. Absorbant en sangle polyester, protégé par une gaine thermoretractable, longueur 150 mm, et équipé d'un connecteur avec une barrette référence 710053.

Support d'assurage rigide VERTIRAIL

Rail en aluminium 6060T5, de section carrée de 40mm de côté muni de cannelures sur un côté. Les terminaisons en extrémité basse sont équipées d'une butée référence R.BE. intégrant un détrompeur. Les terminaisons en extrémité haute sont équipées d'un kit de butée R.EXTF ou R.BE. Fixation du rail sur son support à l'aide d'une bride référence 70701. Jonction des rails avec éclisse en acier S355. Portée maximale 3 m. Utilisation avec un angle d'inclinaison latéral de 0° à 15° et un angle d'inclinaison avant jusqu'à 74°. Charge nominale minimale 50 kg et charge nominale maximale 150 kg.

Équipement également testé selon les exigences de la fiche VG11 RfU 11.116 :2018 pour une utilisation avec un angle d'inclinaison avant jusqu'à 45°, et suivant la fiche RfU11.119 :2018, pour une utilisation par 3 personnes (description détaillée dans le rapport d'examen UE de type 19.0081).

Technical referential in use: EN 353-1:2014+A1:2017
Référentiel technique utilisé

Date of signature (day/month/year): 05/06/2019
Date de signature (jour/mois/année)

Date of issue (day/month/year): 05/06/2019
Date de délivrance (jour/mois/année)

Date of renewal (day/month/year): first edition
Date de renouvellement (jour/mois/année) 1^{ère} édition

Date of expiry (day/month/year): 05/06/2024
Date d'expiration (jour/mois/année)

PPE Certification Manager
Le Responsable de la Certification EPI
Immaterial original



S. MOUË
Vice-président

APAVE SUDEUROPE SAS - Siège social : 8 rue Jean-Jacques Vermaaza - Z.A.C. Saumaty-Séon - CS 60193 - 13322 MARSEILLE CEDEX 16 - Tél. : 04 96 15 22 60 - Fax : 04 96 15 22 61 - www.apave.com
Société par Actions Simplifiée au Capital de 6 648 544 € - N° SIREN : 518 720 925



Accréditation N° 5-0596
Scope available on
Portée disponible sur
www.cofrac.fr
Apave Sudeurope SAS
Centre d'Essais et de Certification EPI
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38600 FONTAINE - France
Tél. +33.(0)4.76.53.52.22

For category III PPE, the certificate shall only be used in conjunction with one of the conformity assessment procedures referred in point c) of Article 19
Pour les EPI de catégorie III, l'attestation ne doit être utilisée qu'en liaison avec l'une des procédures d'évaluation de la conformité visées à l'article 19, point c).

The manufacturer shall inform the notified body of all modifications to the approved type and of all modifications of the technical documentation that may affect the conformity of the PPE with the applicable essential health and safety requirements or the conditions for validity of that certificate (article 7.2 - annex V)

Le fabricant informe l'organisme notifié de toutes les modifications de type approuvé et de toutes les modifications de la documentation technique qui peuvent remettre en cause la conformité de l'EPI aux exigences essentielles de santé et de sécurité applicables ou les conditions de validité de cette attestation (article 7.2 - annexe V)



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EU TYPE-EXAMINATION CERTIFICATE Attestation d'examen UE de type N° 0082/0588/160/06/19/0617

The following PPE type complies with the applicable essential health and safety requirements
Le type de l'EPI suivant est conforme aux exigences essentielles de santé et de sécurité applicables

PPE: PPE category III – Guided type fall arresters including a rigid anchor line
EPI : EPI de catégorie III – Antichute mobile incluant un support d'assurage rigide

Trademark: **VERTIC** Model: **RCBC**
Marque commerciale Modèle

This certificate is awarded to the 2 following references:
La présente attestation est attribuée aux 2 références suivantes :

- **SYSTEME COMBIRAIL AVEC CHARIOT RCBC**
- **SYSTEME VERTIRAIL AVEC CHARIOT RCBC**

Manufacturer: **VERTIC - 691 Chemins des Fontaines - 38190 BERNIN - France**
Fabricant

Description: **Guided type fall arrester RCBC**
Non opening guided type fall arrester, in aluminum alloy 7075T651, with four guiding wheels. Energy absorber reference 710087 integrated in the fall arrester by a shackle in stainless steel AISI304, reference 710040-3. Energy absorber in polyester webbing protected by a thermoretractable sheet, length 150mm, with a connector with a captive pin reference 710053.

Rigid anchorage line COMBIRAIL and VERTIRAIL

Aluminum 6060T5 square rail dimension 40mm with one side grooved. The lower and upper ends are equipped with a removable tilting end stop kit, reference R.BE. The upper ends are equipped with a removable end stop kit reference R.BE or with a fix end stop kit reference R.EXTF. Fixing bracket, reference R.SUPECH. Junction of the rails with spline reference R.ECL in S355 steel or with removable rail reference R.RO.

Maximum span 1,5m. Orientation of use: vertical with a sideways leaning angle from 0° to 15° and a front leaning angle up to 74°, by 3 persons. Minimum rated load of 50kg and maximum rated load of 150kg.

Equipment also tested according to the requirements of VG11 RfU 11.116:2018, for use with a front leaning angle up to 74°, and according to VG11 RfU 11.119:2018 for use by 3 persons (detailed description in the EU Type Examination report 19.0082).

Description : **Antichute mobile RCBC**
Antichute mobile, non ouvrable, en alliage d'aluminium 7075T651, avec quatre roulettes de guidage. Absorbant d'énergie référence 710087 intégré à l'antichute par une manille en acier inoxydable AISI304, référence 710040-3. Absorbant en sangle polyester, protégé par une gaine thermoretractable, longueur 150 mm, et équipé d'un connecteur avec une barrette référence 710053.
Support d'assurage rigide COMBIRAIL et VERTIRAIL
Rail en aluminium 6060T5, de section carrée de 40mm de côté muni de cannelures sur un côté. Les terminaisons en extrémité hautes et basses sont équipées d'une butée amovible, référence R.BE ou d'une butée fixe, référence R.EXTF. Fixation du rail, référence R.SUPECH. Jonction des rails avec éclisse référence R.ECL en acier S355 ou éclisse pour rail ouvrante R.RO.
Portée maximale 1.5 m. Orientation d'utilisation : avec un angle d'inclinaison latéral de 0° à 15°. Charge nominale minimale 50 kg et charge nominale maximale 150 kg.
Equipement également testé selon les exigences de la fiche VG11 RfU 11.116 :2018 pour une utilisation avec un angle d'inclinaison avant jusqu'à 74°, et suivant la fiche RfU11.119 :2018, pour une utilisation par 3 personnes (description détaillée dans le rapport d'examen UE de type 19.0082).

Technical referential in use: EN 353-1:2014+A1:2017
Référentiel technique utilisé

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PPE Certification Manager
Le Responsable de la Certification EPI
Immaterial original



Vincent Maillocheau
Vincent Maillocheau
Vice-président



Accréditation N° 5-0598
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The manufacturer shall inform the notified body of all modifications to the approved type and of all modifications of the technical documentation that may affect the conformity of the PPE with the applicable essential health and safety requirements or the conditions for validity of that certificate (article 7.2 – annexe V)

Le fabricant informe l'organisme notifié de toutes les modifications du type approuvé et de toutes les modifications de la documentation technique qui peuvent remettre en cause la conformité de l'EPI aux exigences essentielles de santé et de sécurité applicables ou les conditions de validité de cette attestation (article 7.2 – annexe V)



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Vertical rail system

VERTIRAIL

COMPLIANCE

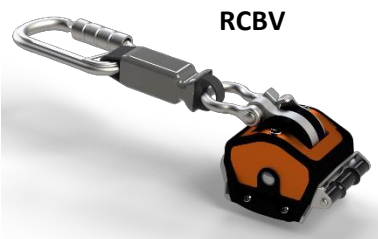
The Vertirail system complies with standard

EN 353-1 + A1 : 2017

EU Regulation 2016/425

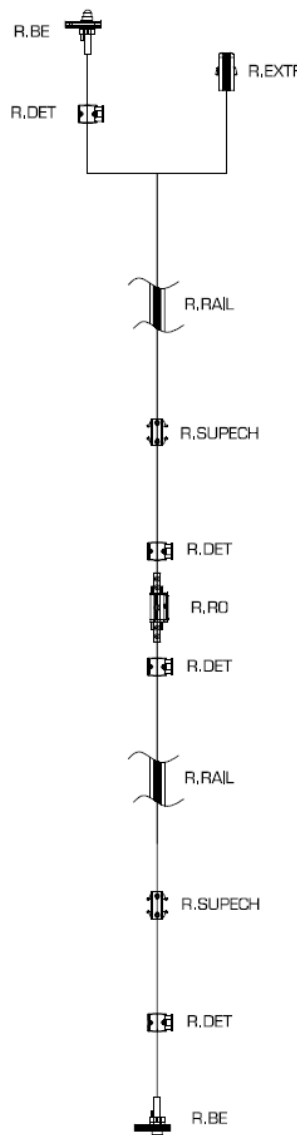
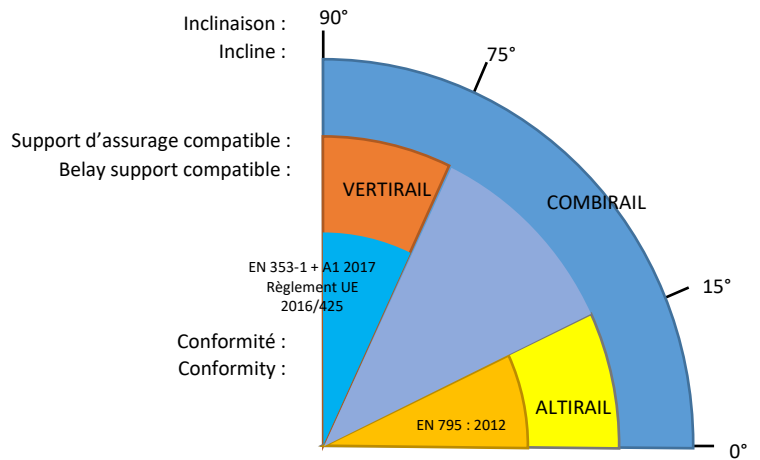
EU type-examination certificate issued by :
 EU type examination certificate issued by:
 Certificado de examen UE de tipo expedido por :
 EU - Baumusterprüfbescheinigung ausgestellt von :
 Certificato di esame UE del tipo rilasciato da :
 Certificado de exame UE de tipo emitido por :

APAVE SUDEUROPE SAS
 (n°0082)
 CS60193 - 13322 MARSEILLE
 CEDEX 16 - France



RCBV

One-way blocking carriage
 Uni-directional self-locking trolley
 Carro bloqueador unidireccional
 Unidirektionaler Schienengleiter mit Blockiersystem
 Carro bloqueador unidireccional



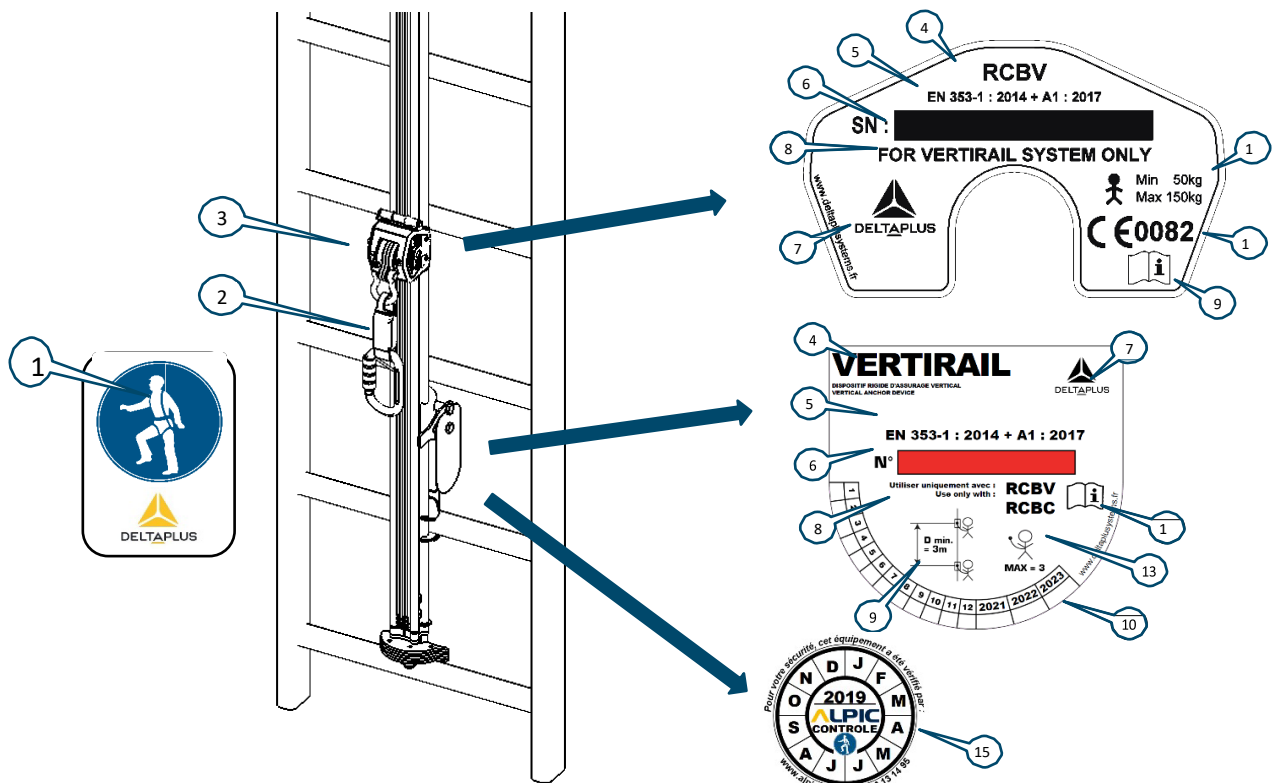


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Vertical rail system

VERTIRAIL

SIGNAGE & MARKING



	FR	AT	ES	FROM	I	PT
1	PPE must be worn	Wearing mandatory PPE	Compulsory use of PPE	Obligatorischer EPI-Port	Porta EPI obbligatoria	Porta obrigatória do EPI
2	Date of manufacture Expiry date of the product	Date of manufacture Product expiry date	Fecha de fabricación Fecha de vencimiento del producto	Herstellungsdatum Ablaufdatum des Produkts	Data di produzione Data di scadenza del prodotto	Data de fabricação Data de validade do produto
3	Direction of use	Direction of use	Directions for use	Nutzungsrichtung	Direzione d'uso	Directions for use
4	Product reference	Product reference	Referencia del producto	Produktreferenz	Riferimento del prodotto	Referência do produto
5	Standard to which the equipment conforms	Standard to which the product conforms	Norma a la que se ajusta el producto	Standard, dem das Gerät entspricht	Standard a cui l'apparecchiatura è conforme	Padrão ao qual o equipamento está em conformidade
6	Serial number	Serial number	Serial number	Seriennummer	Numero di serie	Serial number
7	Manufacturer's name	Manufacturer's name	Number of	Name des Herstellers	Nome del produttore	Nome do fabricante
8	Compatible component	Compatible component	Componente compatible	Kompatible Komponente	Componente compatibile	Componente compatível
9	Pictogram inviting you to read the instructions	Pictogram inviting to read the instructions	Pictograma que invita a leer las instrucciones.	Piktogramm, das zum Lesen der Anweisungen einlädt	Pittogramma che invita a leggere le istruzioni	Pictograma convidando para ler as instruções
10	Date of first commissioning	Date of first commissioning	Fecha de primera puesta en servicio.	Datum der ersten Inbetriebnahme	Data della prima messa in servizio	Data do primeiro comissionamento



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11	Minimum and maximum rated loads	Loads assigned min and max	Cargas asignadas mín. Y máx.	Belastungen zugewiesen min und max	Carichi assegnati min e max	Cargas atribuídas min e max
12	Maximum number of people authorised to connect simultaneously	Maximum number of people allowed to connect simultaneously	Maximum number of people allowed to connect simultaneously	Maximale Anzahl von Personen, die gleichzeitig eine Verbindung herstellen dürfen	Numero massimo di persone che possono connettersi contemporaneamente	Maximum number of people with permission to connect simultaneously
13	Safety distance between two users	Security distance between two users	Distancia de seguridad entre dos usuarios.	Sicherheitsabstand zwischen zwei Benutzern	Distanza di sicurezza tra due utenti	Distância de segurança entre dois usuários
14	Notified body responsible for production control	Notified body in charge of the control of the production	Organismo notificado a cargo del control de la producción	Benannte Stelle, die für die Produktionskontrolle zuständig ist	Organismo notificato responsabile del controllo della produzione	Organismo notificado encarregado do controle da
CE0082 APAVE SUDEUROPE SAS CS60193 - 13322 MARSEILLE CEDEX 16 - France						
15	Date of periodic inspection	Date of periodic inspection	Periodic inspection date	Datum der periodischen Überprüfung	Data dell'ispezione periodica	Data da inspeção periódica

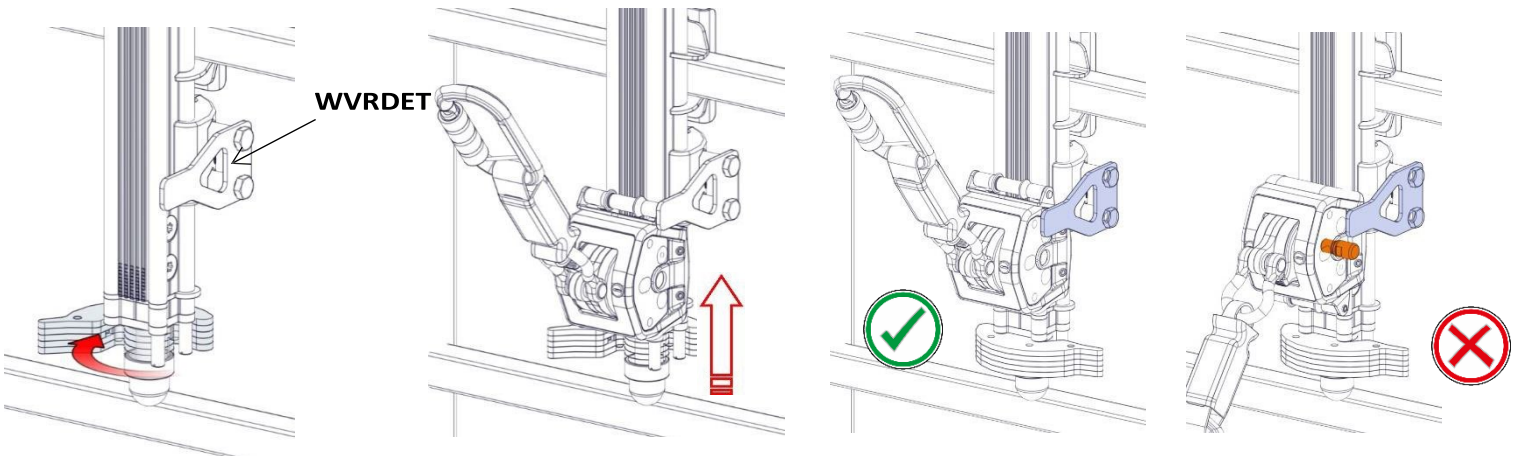
OPERATING PRINCIPLE

1

2

3

4



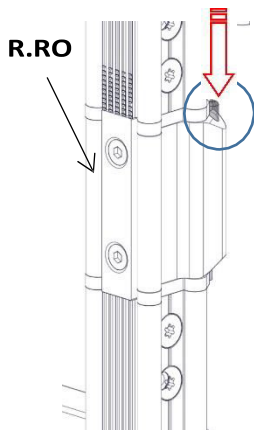


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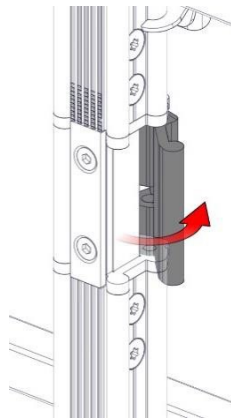
Vertical rail system

VERTIRAIL

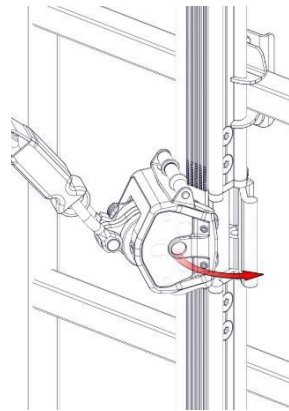
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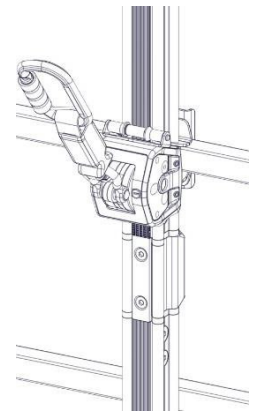
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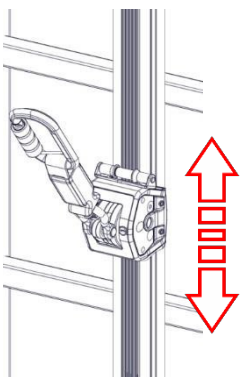
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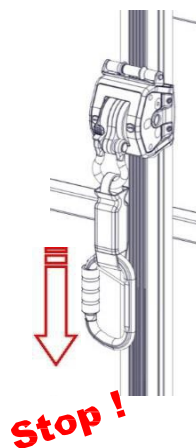
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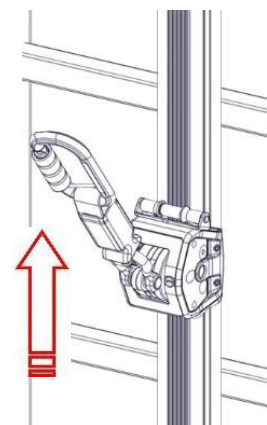
9



10



11





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Vertical rail system

VERTIRAIL

INFORMATION

The system is certified for use on any rigid vertical Delta Plus Systems structure, aluminium or steel ladders with a minimum strength of 12kN and which do not deviate from the vertical by more than 15° laterally and forwards. Any other use is prohibited and may be dangerous.

These instructions are intended for users of the RCBV fall arrester and its VERTIRAIL support. It must be read and understood by everyone before using the product. If you have any doubts or problems of understanding, or if a problem arises which is not covered in this document, please contact your Delta Plus Systems representative or the Delta Plus Systems technical department directly. This manual must always be available and accessible to the user. It is essential for the user's safety that, if the product is resold outside the first country of destination, the reseller supply the instructions for use, maintenance, periodic inspections and repairs, written in the language of the country where the product is to be used. 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. Workers using personal protective equipment must receive appropriate training.

Instructions for use & technical description

The PPE consists of a mobile fall arrester, reference RCBV, and a Delta Plus Systems vertical rail-type belay support, reference VERTIRAIL. The product is certified to EN 353-1 + A1 2017.

The temperature of the working environment must be above -30°C.

This device is used to move and protect against falls from height, both upwards and downwards.

The VERTIRAIL belay device can be used with the RCBV or RCBC mobile fall arresters, for the latter please refer to the corresponding instructions.

The user must connect his harness to the runner via the sternal attachment point using the connector integrated into the WVRRCBV, which complies with EN 362. The connection incorporates a textile energy absorber to limit the impact force in the event of a fall. CAUTION The length of the connection element must not be extended or shortened, for example by adding or removing a connector.

The carriage is connected and disconnected at the ends of the rail (1 -2) or at an opening part ref. WVRRO (5-8). These actions must be carried out in a safe position, or using a separate personal protection system.

The runner has been designed to move freely on the rail without manual intervention (8): holding the locking mechanism or handling the runner while moving may prevent it from locking in the event of a fall. Do not hold the runner.

A coding device at the ends of the rail or at the opening part prevents any incorrect installation (3-4). The carriage is locked in the event of a fall by the action of the cam on the rail (9). To release the carriage, pull the connector upwards (10).

The truck is designed to be used by a single person weighing between 50 kg and 150 kg (including tools and equipment).



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There is no limit to the length of the rope grab. WVREXTF or WVRBE must be fitted at all points on the rigid belay support where the mobile fall arrester could come out of the rigid belay support.

After use, never leave the runner connected to the rail, clean it (see maintenance section) then store it in the waterproof pouch supplied. Protect it from shocks, humidity and excessive temperatures (+10°C / +40°C) during transport and storage.

Rigid belay devices may not be used in rescue situations. Operations must be carried out using a separate personal protection system.

IMPORTANT - PREVENTION :

Before use

At height, your life depends on the equipment used. Any doubts about the safety of the device should be reported to the manufacturer and to the person responsible for the installation.

A fall arrest harness conforming to EN 361 is the only body-gripping device permitted for use in a fall arrest system. A harness must be size-appropriate, correctly adjusted and fitted to the user's body size. The fall arrest harness should be properly adjusted to ensure a snug fit and should not be used if it is loose. If the harness loosens during ascent or descent, it should be readjusted correctly from a safe location. The durability of the support must be checked in accordance with use. A rescue plan must be in place to deal with any emergencies that may arise during work. In a fall arrest system it is essential to check the clearance under the user before and during use, to avoid any collision with the ground or an obstacle during the fall.

In a fall arrest system, it is essential to check the clearance under the user before and during use, to avoid any collision with the ground or an obstacle during the fall.

In the VERTIRAIL system, this space must be at least 2 m. During the first 2 metres of the VERTIRAIL system, the user may not be protected against falling to the ground; extra precautions should therefore be taken when ascending or descending. The runner must not be used in the working position. If it is necessary to hold the runner in the working position, a separate system must be used.

A hazard may arise when using several pieces of equipment in which the safety function of one piece of equipment may be affected by the safety function of the other piece of equipment.

ATTENTION DANGER: please ensure that your equipment does not rub against abrasive materials or sharp parts that could damage its integrity, particularly the textile energy absorber.

As the runner is supplied with its own connector, it is not possible to change the components independently. Use only Delta Plus Systems parts to ensure compatibility when assembling the VERTIRAIL system.

Control - Points to check

Check that the instructions for using the safety rail are clearly displayed on the panel provided. Make sure that the product markings are legible.

Check that your fall arrest system complies with and is compatible with those recommended for use with the VERTIRAIL system.



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VERTIRAIL

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.
- ▶ He has suffered a serious 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.

System warranty

The warranty begins on the date of delivery of the equipment or installation by Delta Plus Systems. It lasts for 10 years provided that annual maintenance has been carried out by a company approved by Delta Plus Systems. 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.

Maintenance and servicing

Any modification or addition to the equipment without the prior written consent of the manufacturer is prohibited.

Any repairs to system components must be carried out in accordance with Delta Plus Systems procedures. If in doubt about the condition of the product, replace it with an original Delta Plus Systems part.

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 extreme temperatures. All chemical products and solvents can alter the resistance of the system components. 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.

The condition of PPE must be checked at least every 12 months by an authorised and competent person in strict compliance with Delta Plus Systems' operating procedures. These periodic and regular examinations are necessary because the safety of the user is linked to maintaining the effectiveness and resistance of the equipment. The inspection and the results must be recorded in writing in a maintenance log using the identification and inspection sheet supplied by Delta Plus Systems. Delta Plus Systems can also help you check, inspect and maintain 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 with the basic concepts they need to know to work safely at height, by offering them comprehensive, customised training courses run by our training centre.



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



Distributed by

Vertical rail system

VERTIRAIL

GENERAL NOMENCLATURE



1

Blocking runner

WVRCBV

WVRCF2: roller runner
WVRCF3: runner for suspension work

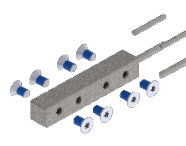


2

Belay rail

WVRRAIL

Available in lengths of : 1, 1.5 and 3m. Material: 6060 T5 aluminium. Anodised on request.

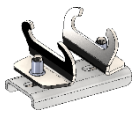


3

Splint

WVRECL

Ensures rail alignment
4 A4 screws pre-coated with threadlocker



4

Ladder rail support

WVRSUPECH

Adapts to the size and rungs of the ladder
Distance between 2 supports: $1350 \text{ mm} < D < 1650 \text{ mm}$



5

Fixed stop

WVREXTF

Prevents the carriage from sliding off the rail - Secured with 3 self-drilling screws (A2).



6

Retractable stop

WVRBE

Enables the runner to be inserted on the rail. Closes automatically.



7

Opening splint

WVRRO

Enables the carriage to be inserted at any point on the rail and acts as a jointing plate.



8

Safety sign

WVRPS

System identification and display of normative information.



9

Manual switch

WVRAIG3D or 4D

Available in 3 or 4 directions.
Allows changes of direction without disconnection.



10

Coding device

WVRDET

Ensures that the carriage is inserted on the rail in the correct direction of use



11

Drilling tool

WVROUTP

Template for drilling the rail.



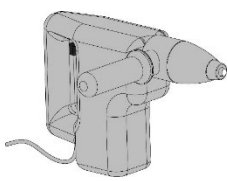


Distributed by

Vertical rail system

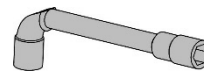
VERTIRAIL

TOOLS & PERSONNEL REQUIRED

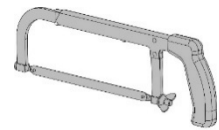


1

2

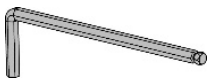


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4

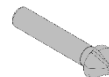
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5



6



7

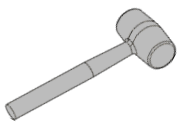


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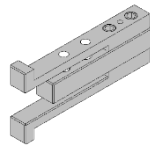
5 - 6

Ø 8.5

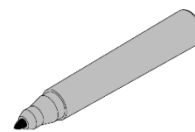
Ø 16.5



9



10

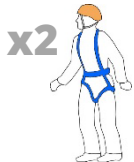


11



12

WVROUTP



x2

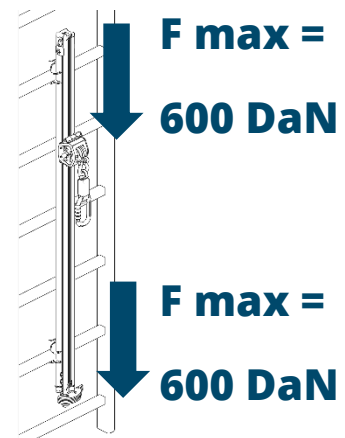
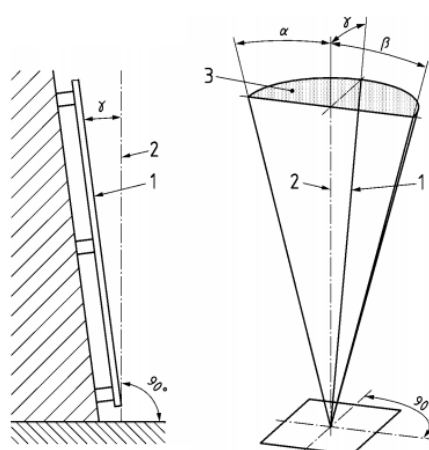
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PRE-REQUISITES

α (alpha): 0° to 15°

β (beta): 0° to 15°

γ (gamma): 0° to 75°

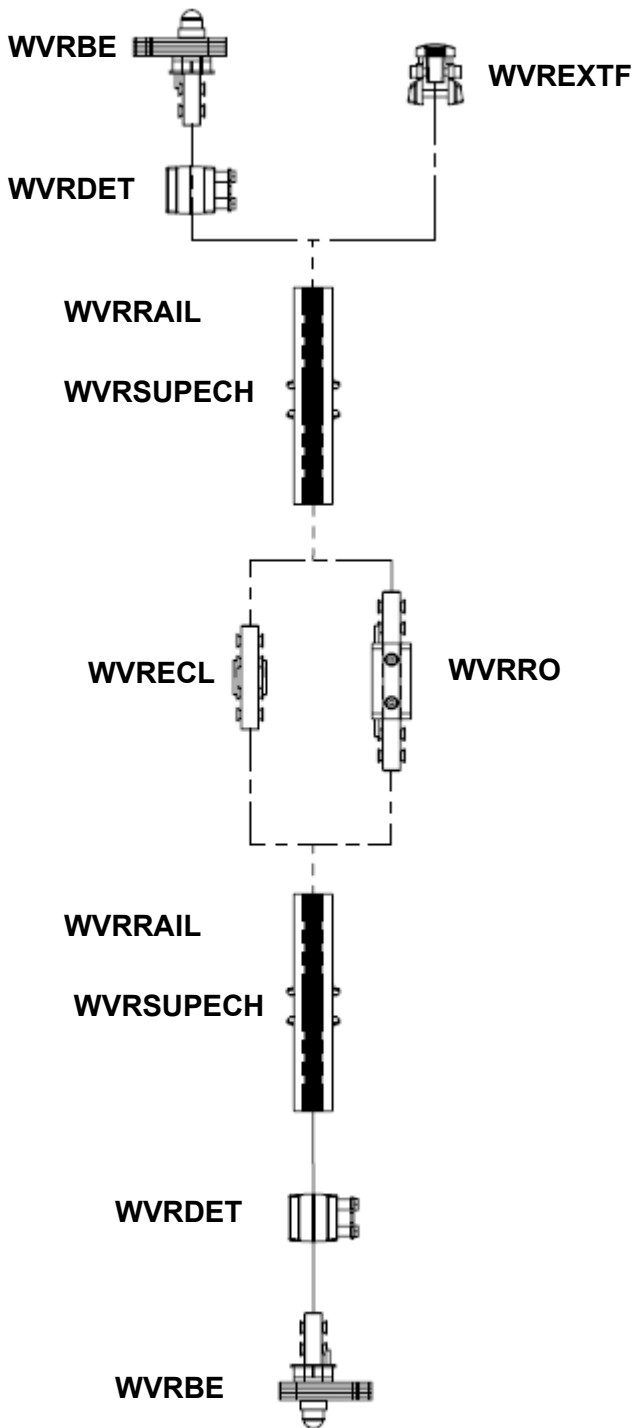




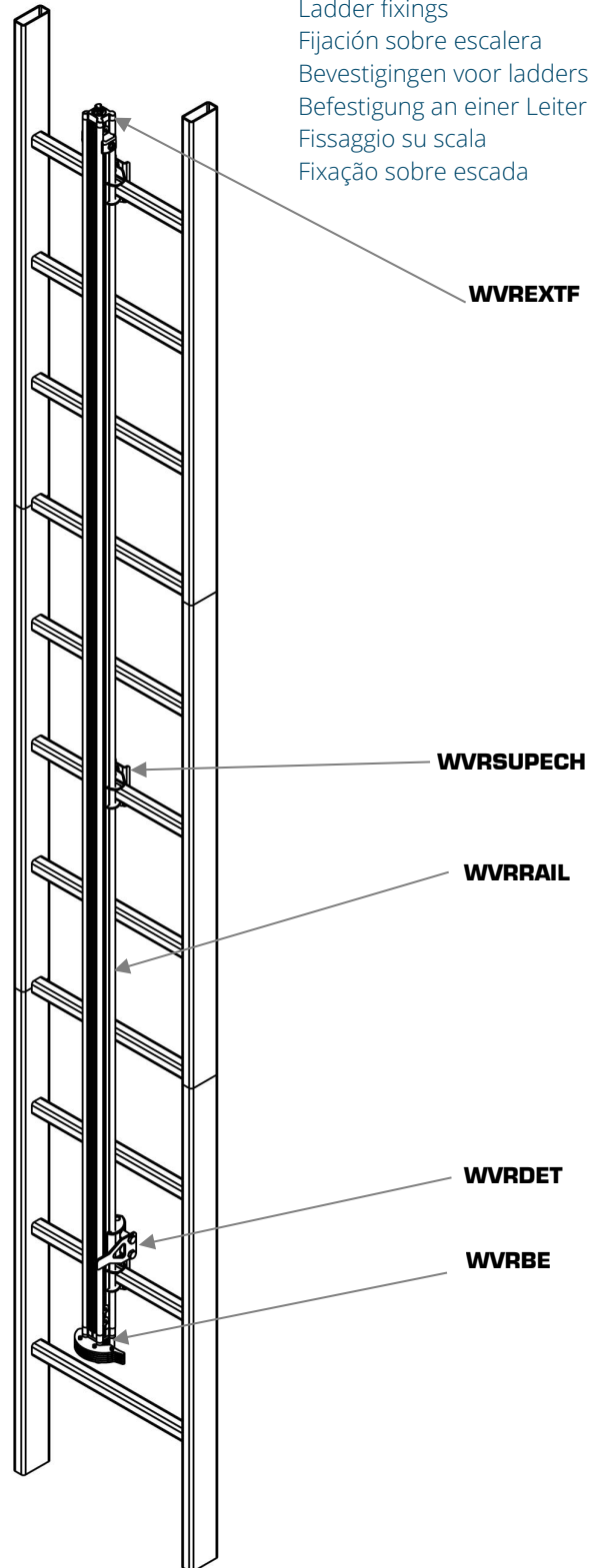
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Vertical rail system

VERTIRAIL



Ladder mounting
 Ladder fixings
 Fijación sobre escalera
 Bevestigingen voor ladders
 Befestigung an einer Leiter
 Fissaggio su scala
 Fixação sobre escada





Distributed by

Vertical rail system

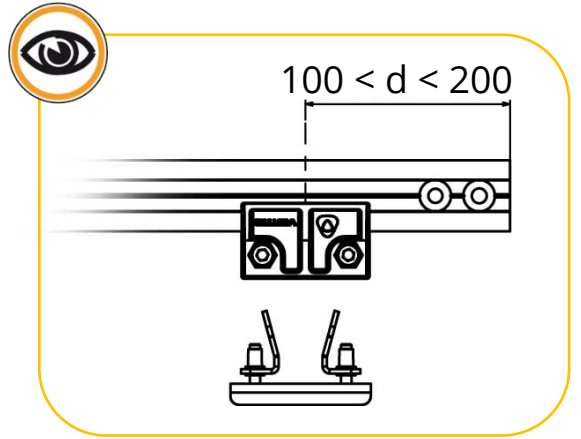
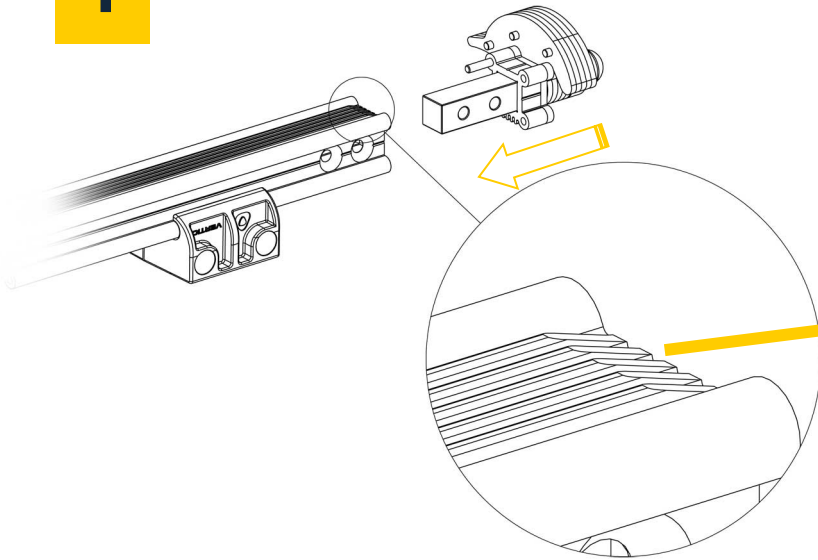
VERTIRAIL

ASSEMBLY OF RAIL ELEMENTS

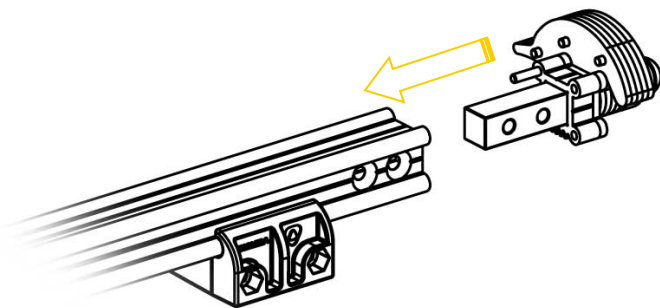
OPENING STOP - WVRBE



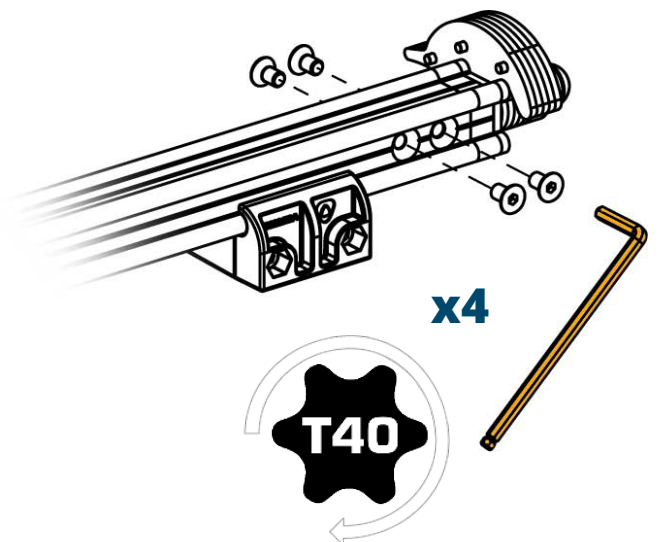
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2



3





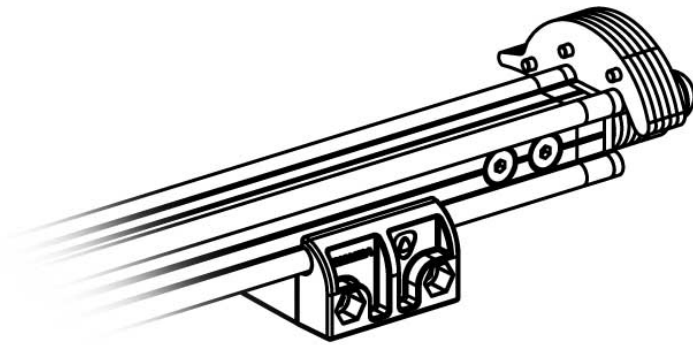
Distributed by

Vertical rail system

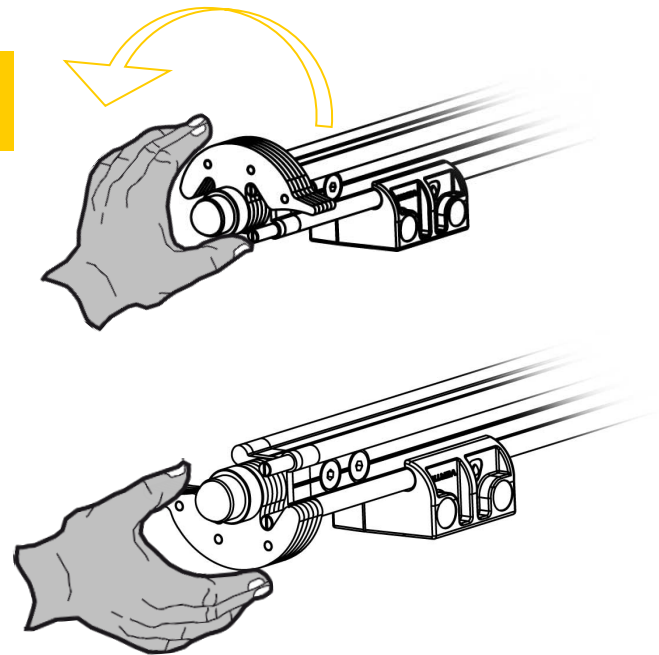
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OPENING STOP - WVRBE

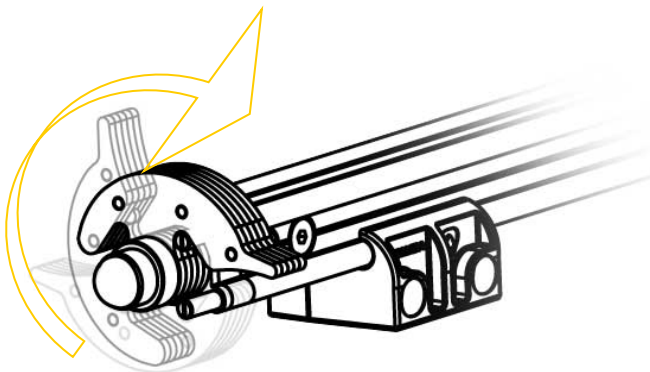
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5



6



CLICK



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Vertical rail system

VERTIRAIL

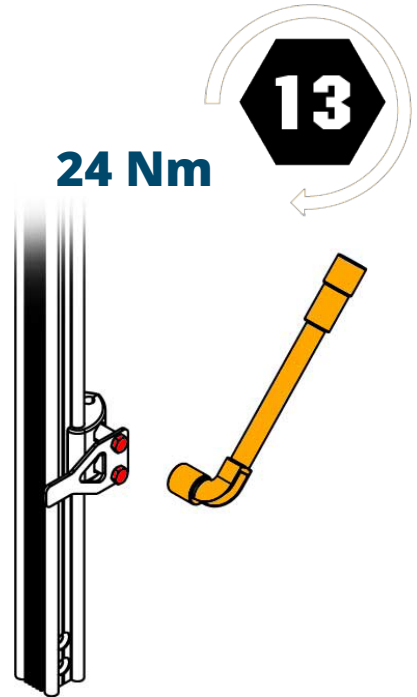
DECEPTION - WVRDET



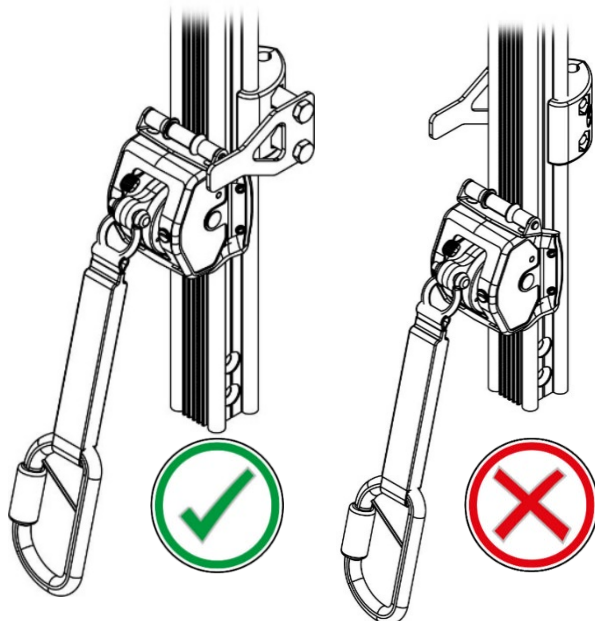
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2



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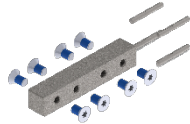


Distributed by

Vertical rail system

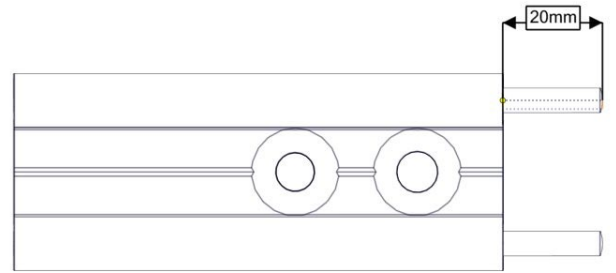
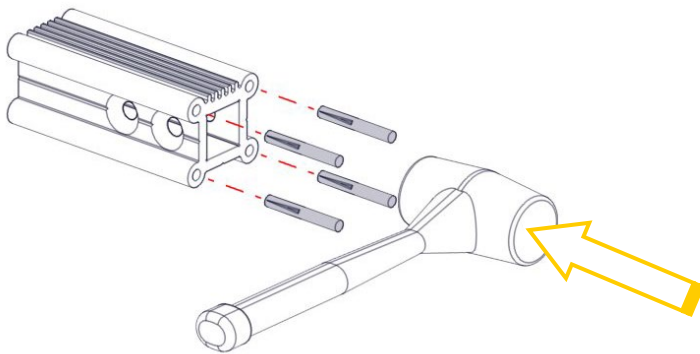
VERTIRAIL

ECLISSE - WVRECL



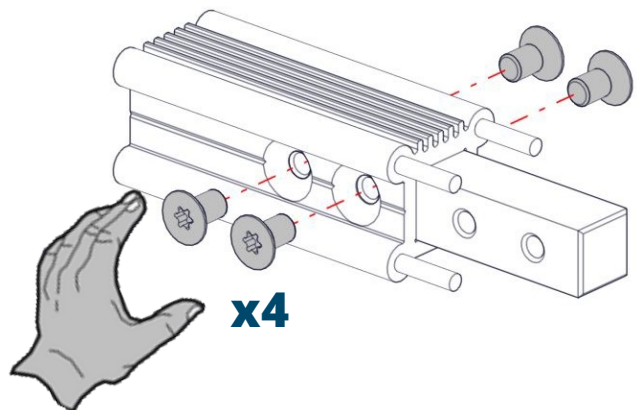
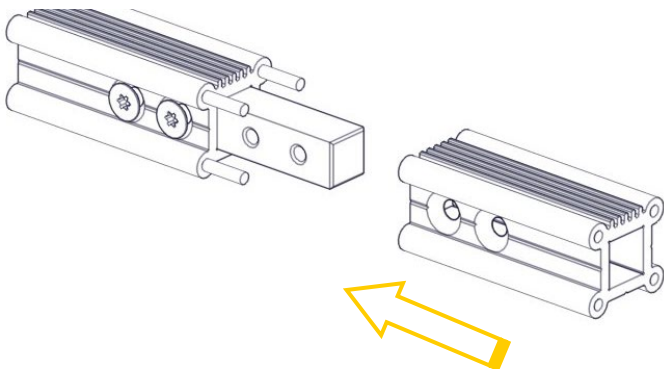
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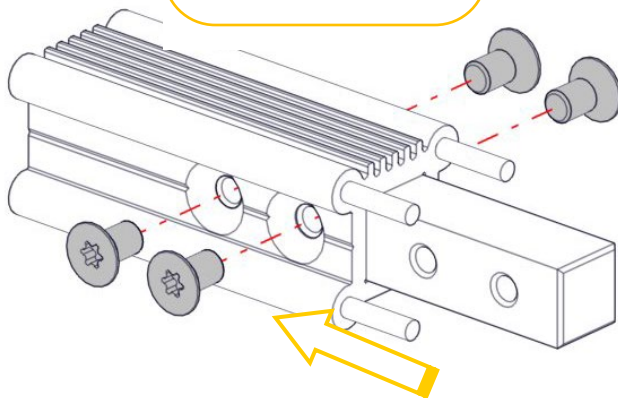
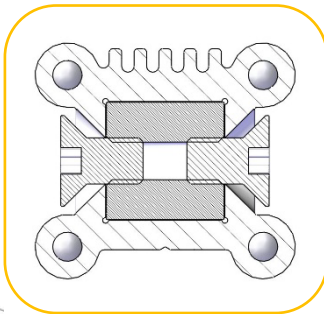
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Vertical rail system

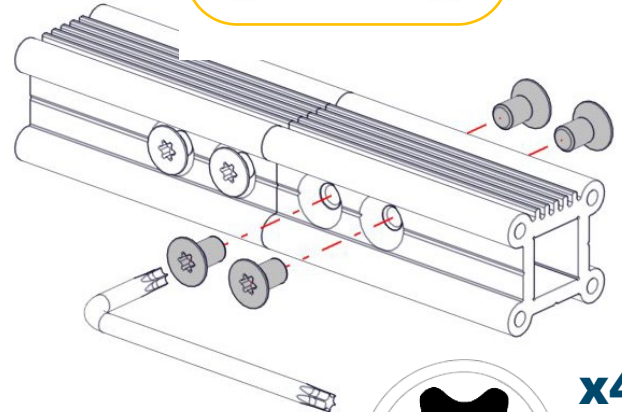
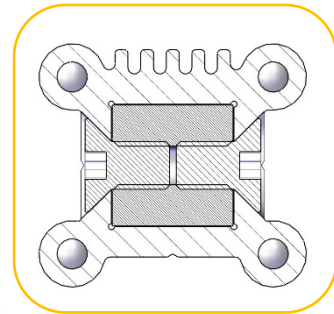
VERTIRAIL

ECLISSE - WVRECL

5



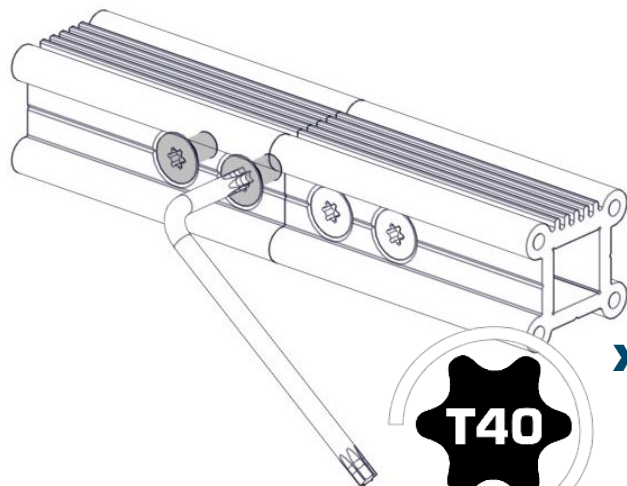
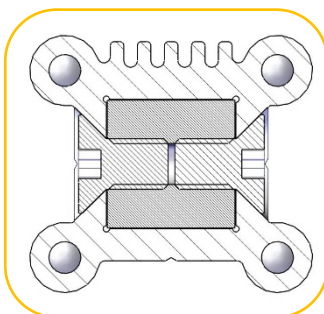
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x4

T40

7



x4

T40



Distributed by

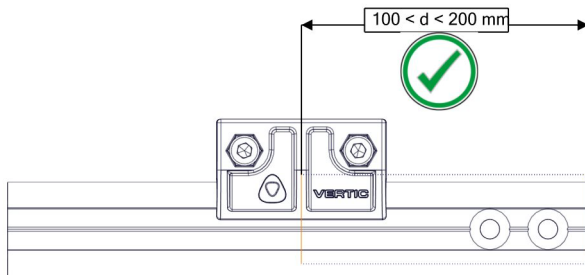
Vertical rail system

VERTIRAIL

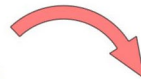
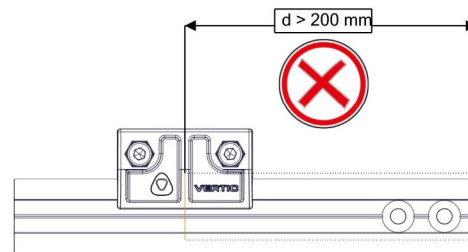
FIXED STOP - WVREXTF



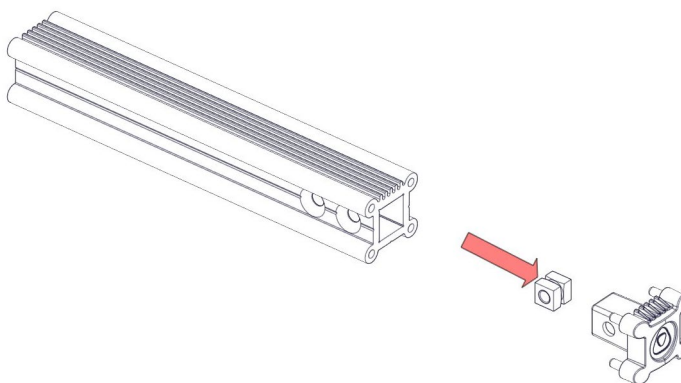
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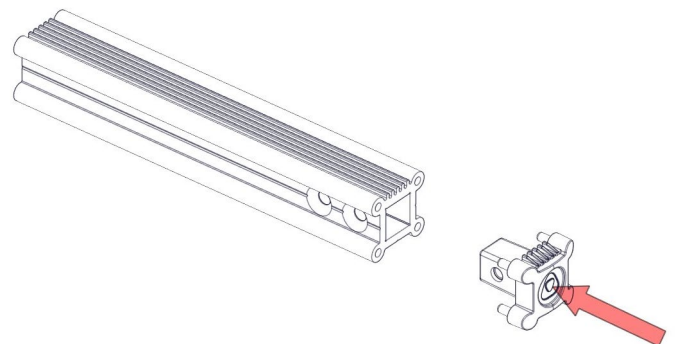
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4





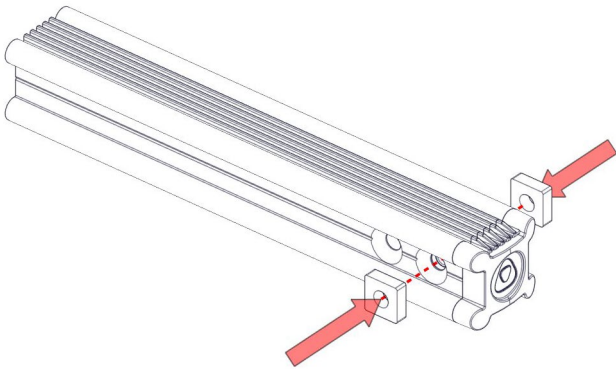
Distributed by

Vertical rail system

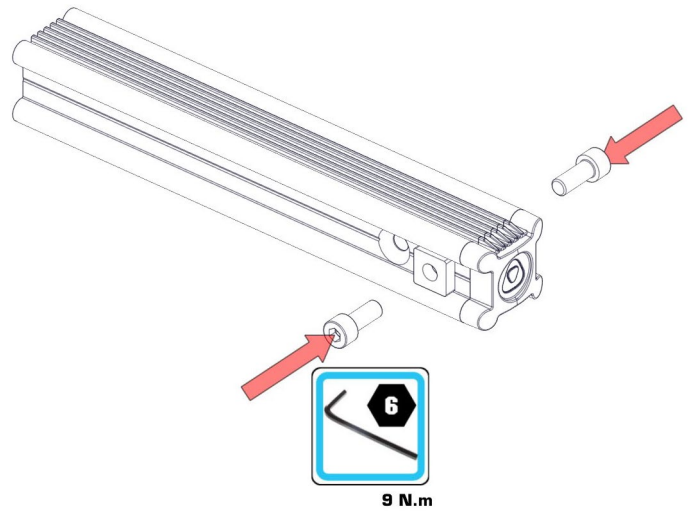
VERTIRAIL

FIXED STOP - WVREXTF

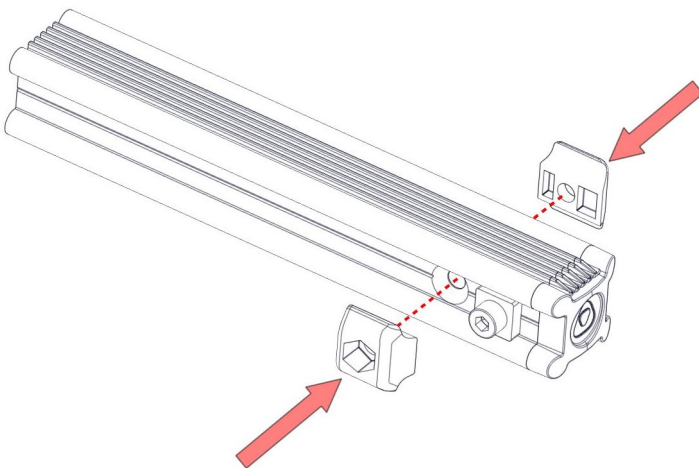
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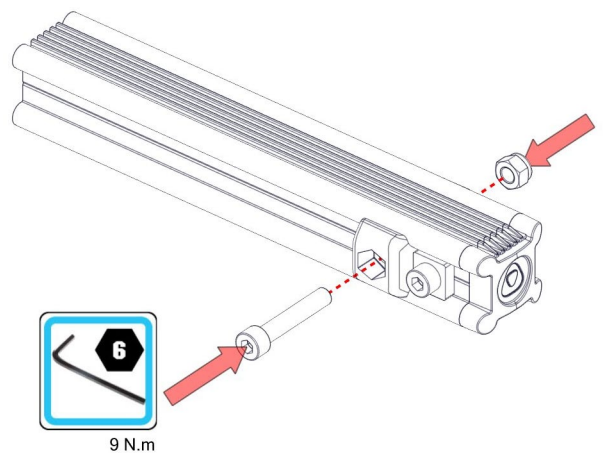
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7



8





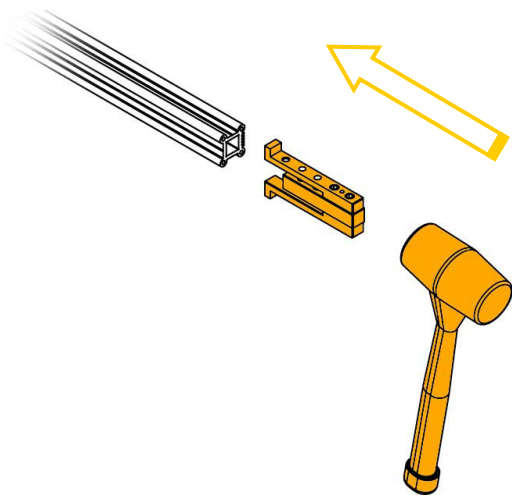
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Vertical rail system

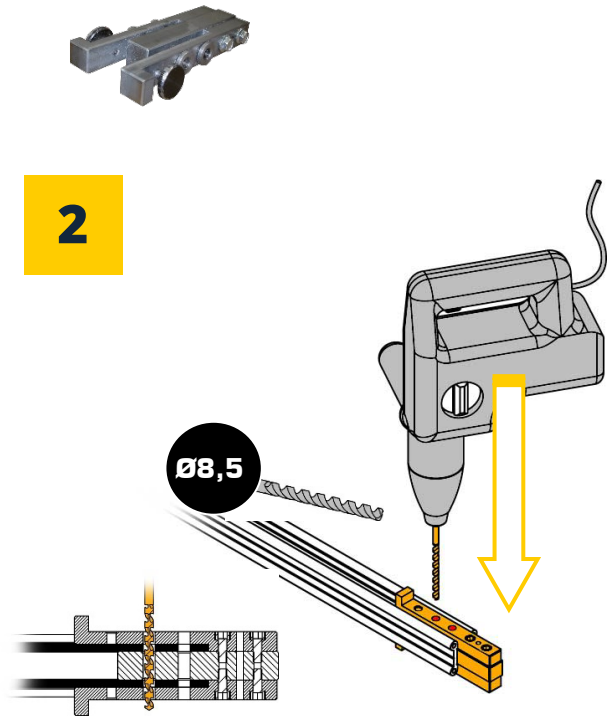
VERTIRAIL

RAIL DRILLING TOOL - WVR0UTP

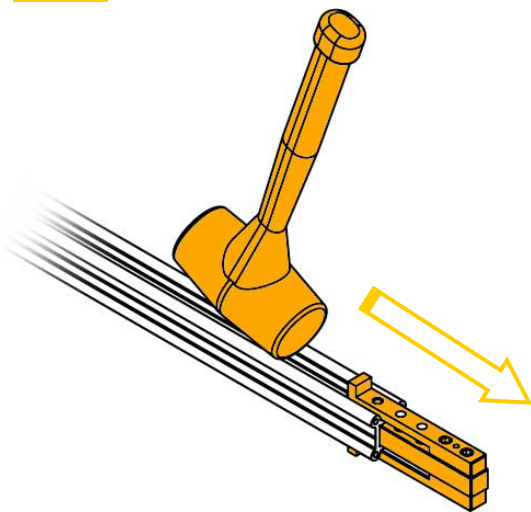
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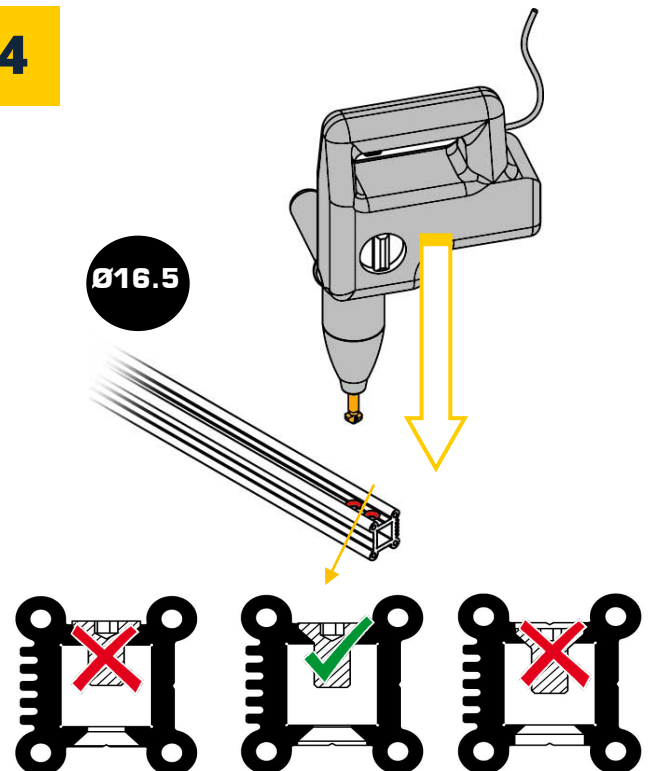
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3



4



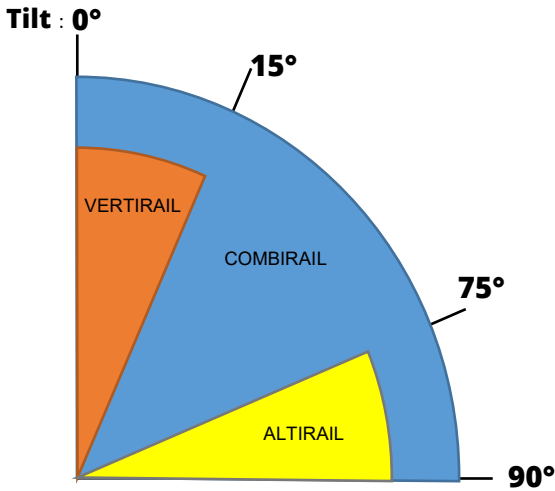


Distributed by

Vertical rail system

VERTIRAIL

SAFETY PANEL - WVRPS



1

ALTIRAIL
 ABSURAGE RIGIDE HORIZONTAL
 HORIZONTALE ANCHOR DEVICE
 www.deltaplusystems.fr

DELTA PLUS

EN 795-D : 2012 / TS 16415 : 2013

N° [Redacted]

Utiliser uniquement avec : RCF2 / RCF3 / RCBC
 Use only with : RCF2 / RCF3 / RCBC

f < 1m

	100kg	150kg
RCF2	2	—
RCF3	2	—
RCBC	3	2

Month of installation

Year of installation



2

RPS001

ALTIRAIL
 ABSURAGE RIGIDE HORIZONTAL
 HORIZONTALE ANCHOR DEVICE
 www.deltaplusystems.fr

EN 795-D : 2012 / TS 16415 : 2013

N° [Redacted]

Utiliser uniquement avec : RCF2 / RCF3 / RCBC
 Use only with : RCF2 / RCF3 / RCBC

f < 1m

	100kg	150kg
RCF2	2	—
RCF3	2	—
RCBC	3	2

VERTIRAIL
 ABSURAGE RIGIDE VERTICAL
 HORIZONTALE ANCHOR DEVICE
 www.deltaplusystems.fr

EN 353-1 : 2014 + A1 : 2017

N° [Redacted]

Utiliser uniquement avec : RCBV / RCBC
 Use only with : RCBV / RCBC

0 min - 2m

MAX = 3

COMBIRAIL
 ABSURAGE RIGIDE VERTICAL, RIGIDE ET HORIZONTALE
 HORIZONTALE ANCHOR DEVICE
 www.deltaplusystems.fr

EN 795-D : 2012 / TS 16415 : 2013
 EN 353-1 : 2014 + A1 : 2017

N° [Redacted]

Utiliser uniquement avec : RCBC
 Use only with : RCBC

0 max.

3

ALTIRAIL
 ABSURAGE RIGIDE HORIZONTAL
 HORIZONTALE ANCHOR DEVICE
 www.deltaplusystems.fr

EN 795-D : 2012 / TS 16415 : 2013

N° [Redacted]

Utiliser uniquement avec : RCF2 / RCF3 / RCBC
 Use only with : RCF2 / RCF3 / RCBC

f < 1m

	100kg	150kg
RCF2	2	—
RCF3	2	—
RCBC	3	2

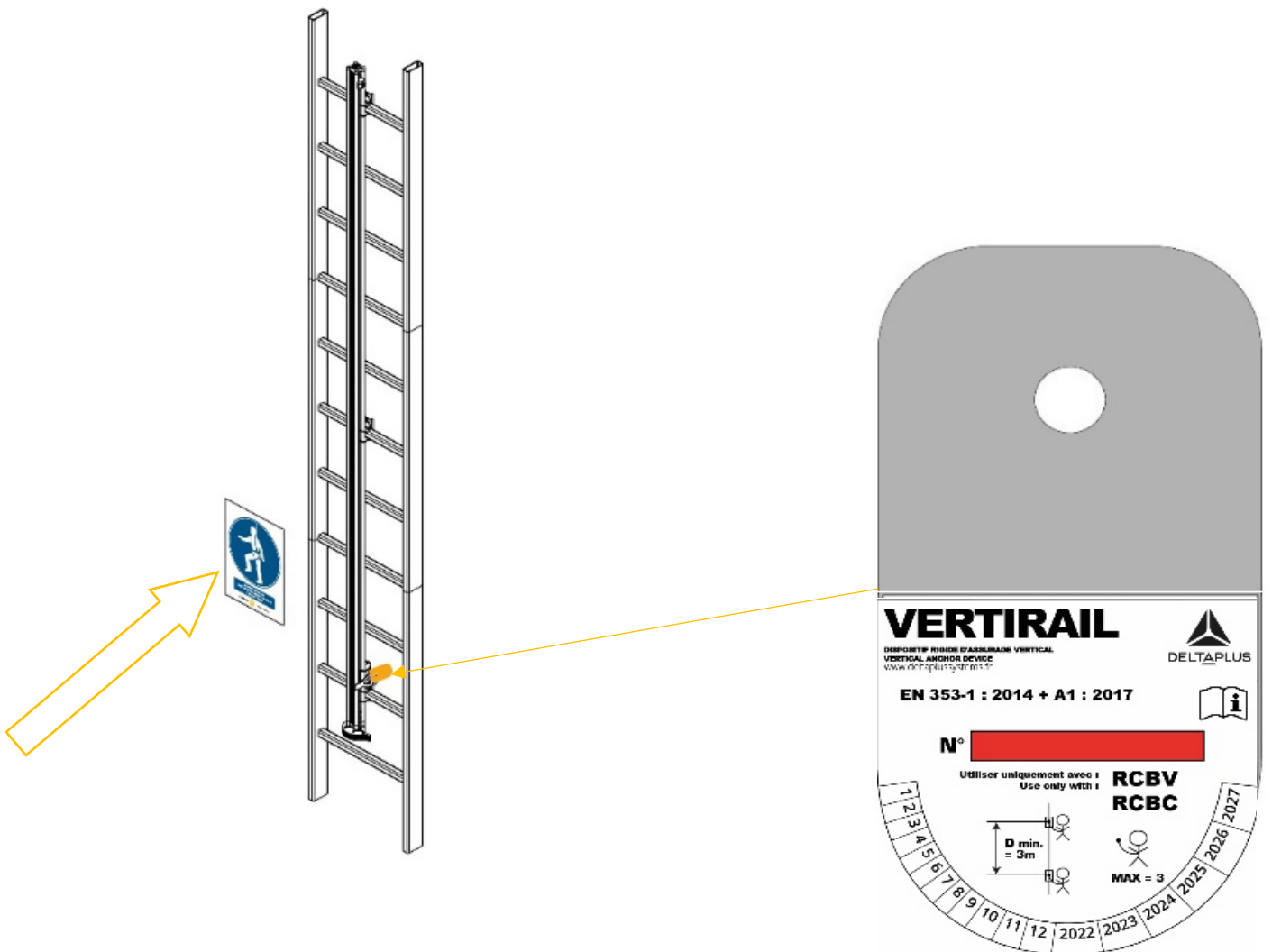


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Vertical rail system

VERTIRAIL

SAFETY PANEL - WVRPS





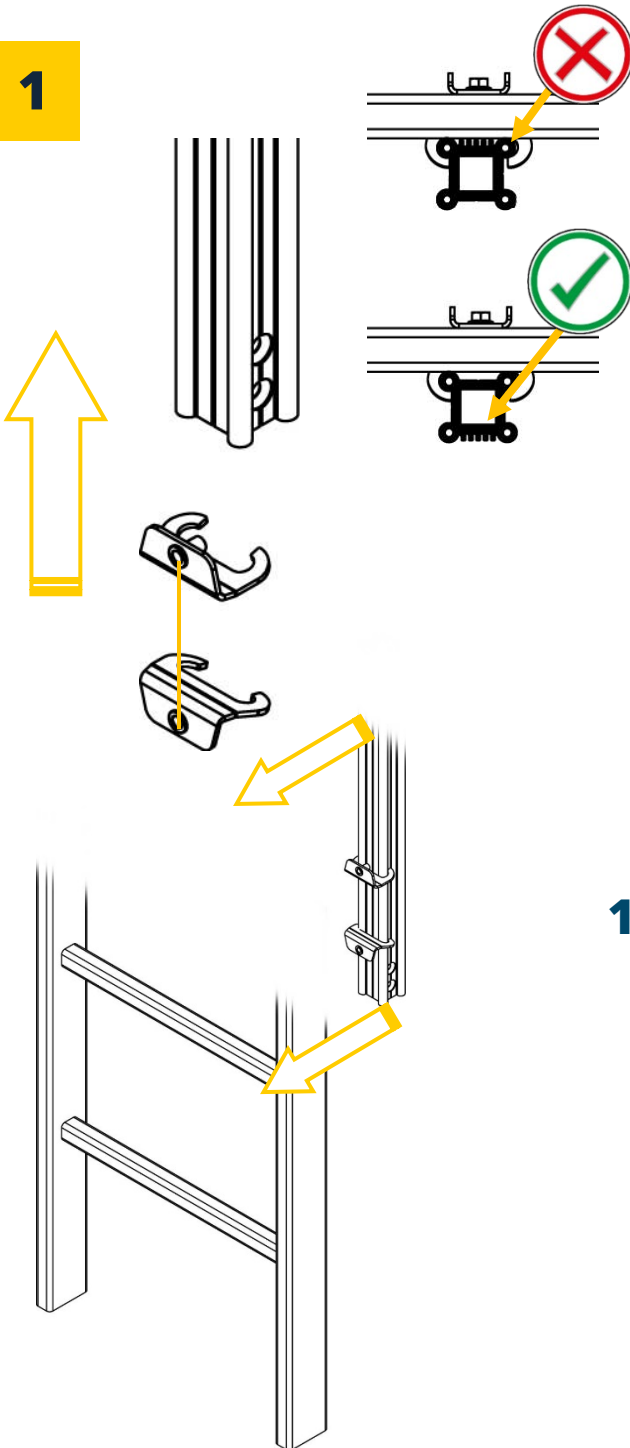
Distributed by

Vertical rail system

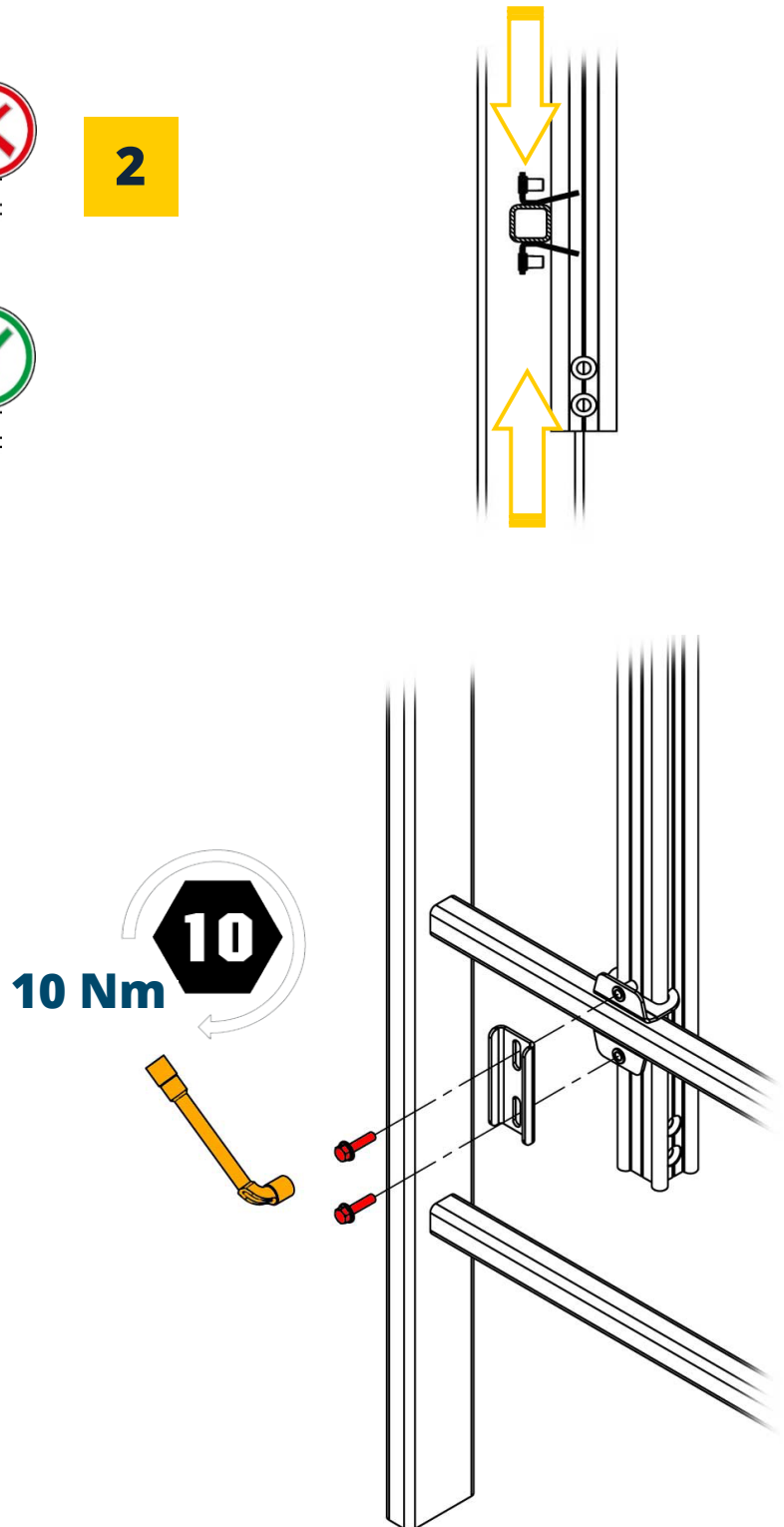
VERTIRAIL

RAIL SUPPORT - WVRSUPECH

1



2



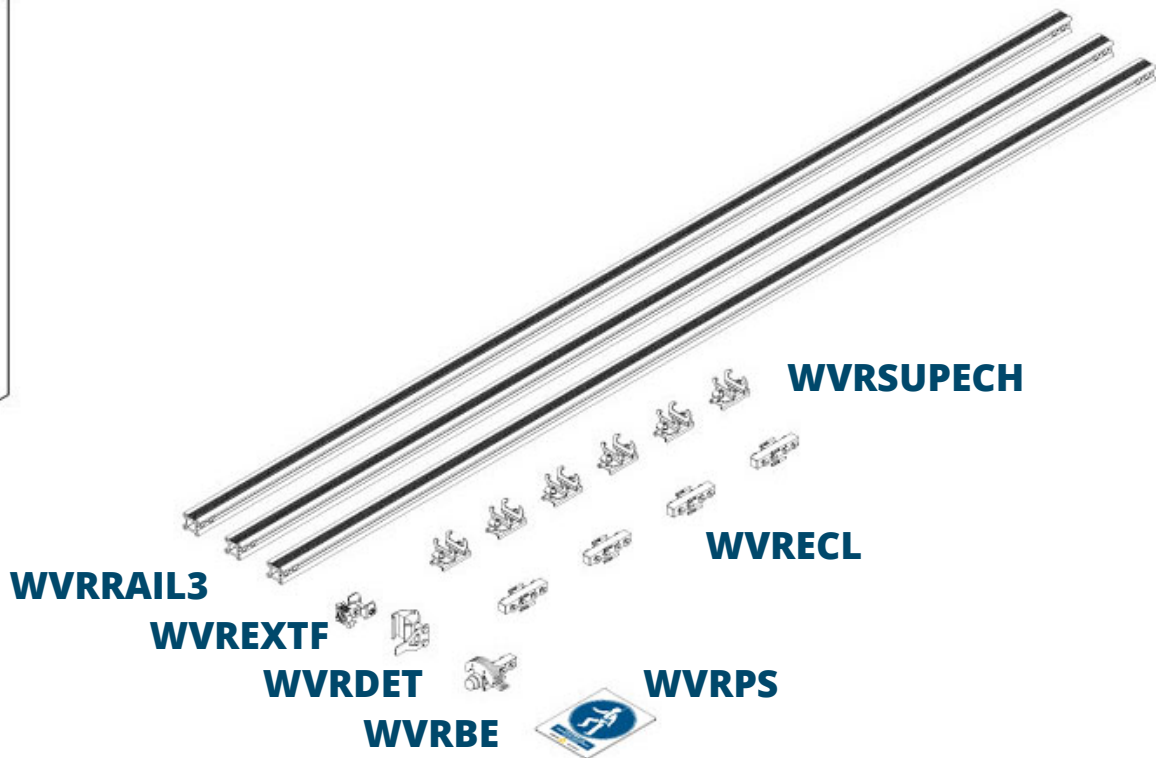
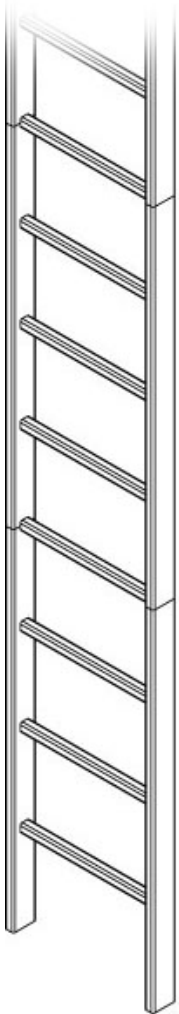


Distributed by

Vertical rail system

VERTIRAIL

LADDER MOUNTING

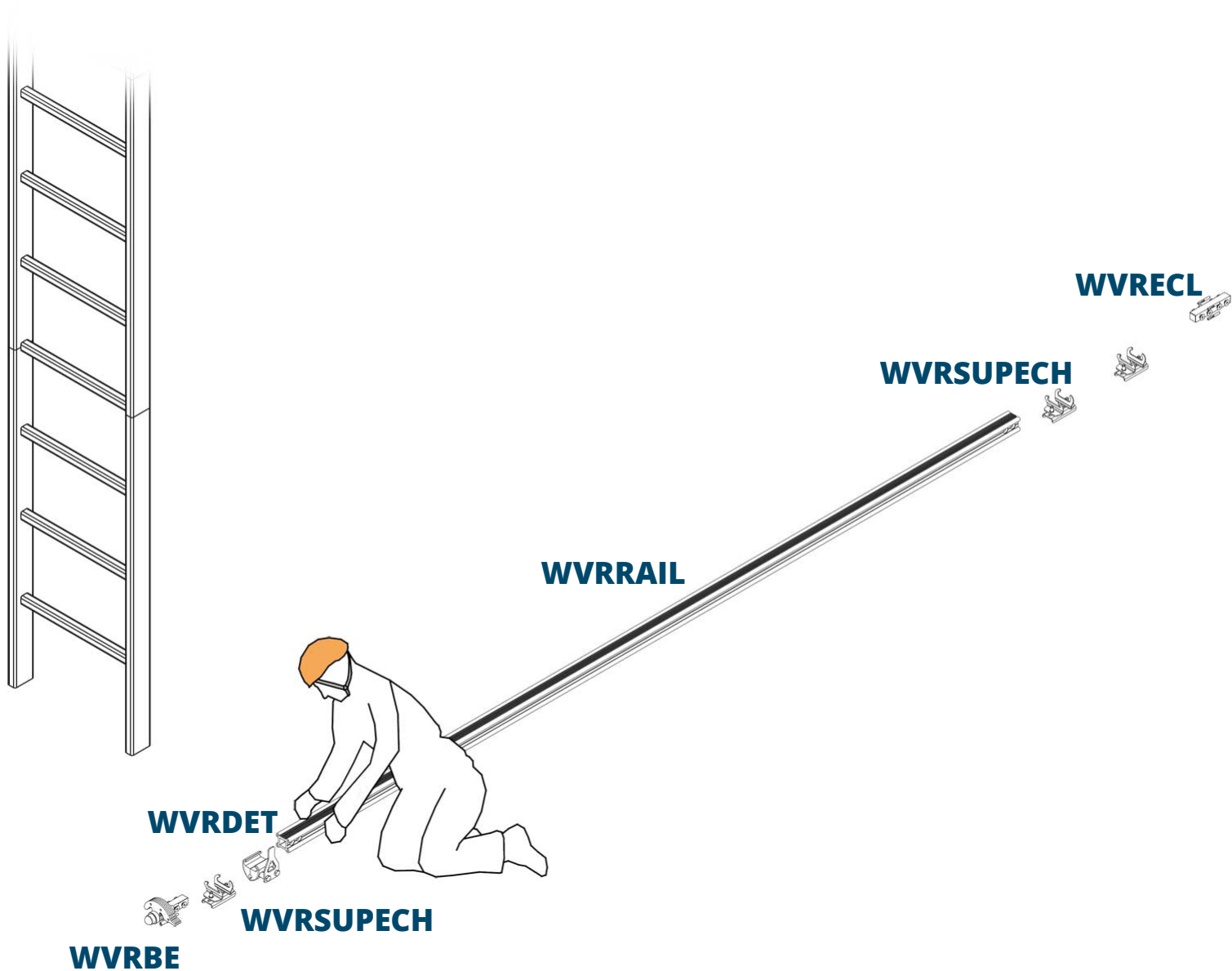




Distributed by

Vertical rail system

VERTIRAIL



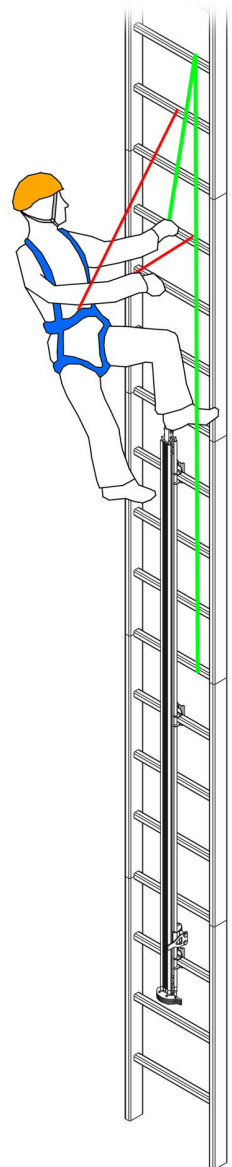
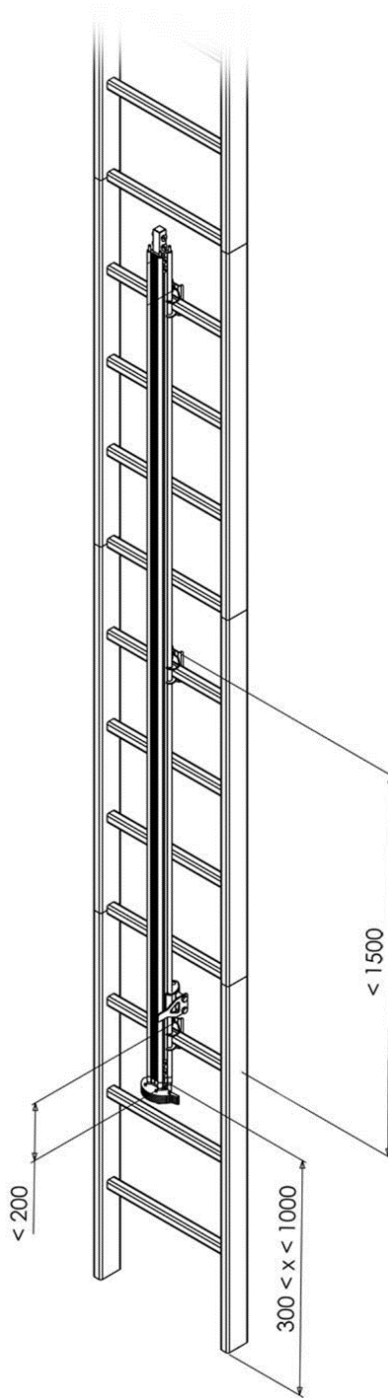
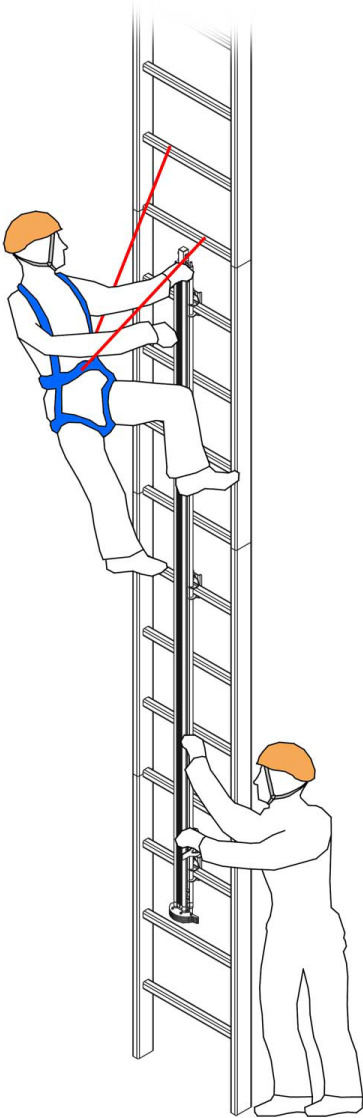


Distributed by

Vertical rail system

VERTIRAIL

1



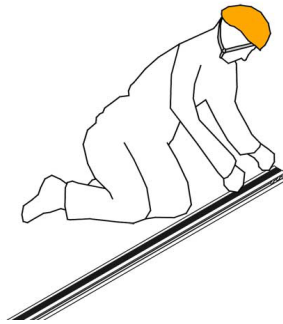


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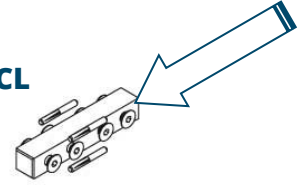
Vertical rail system

VERTIRAIL

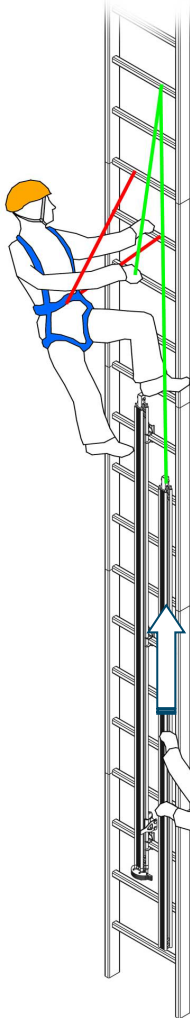
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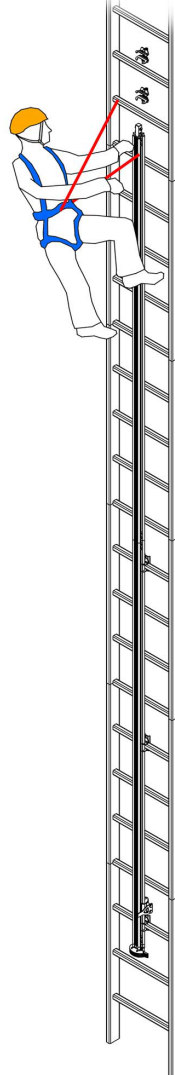
WVRECL



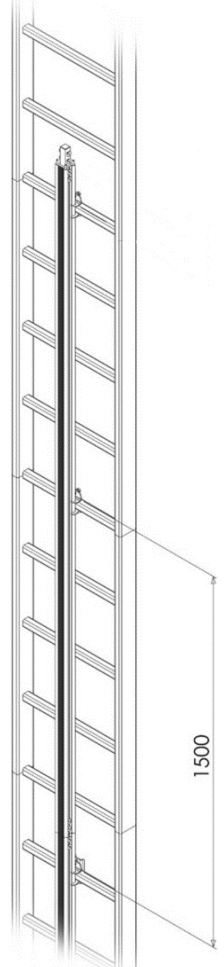
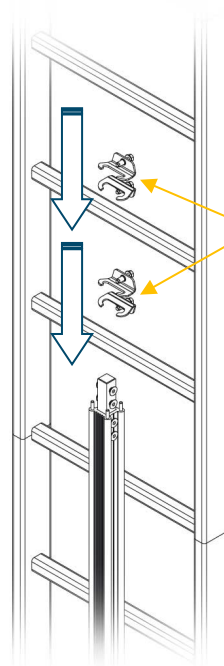
3



4



2 x
WVRSUPECH



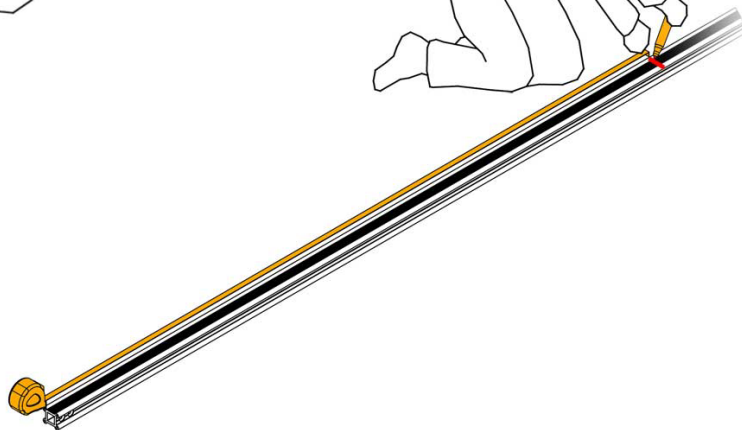
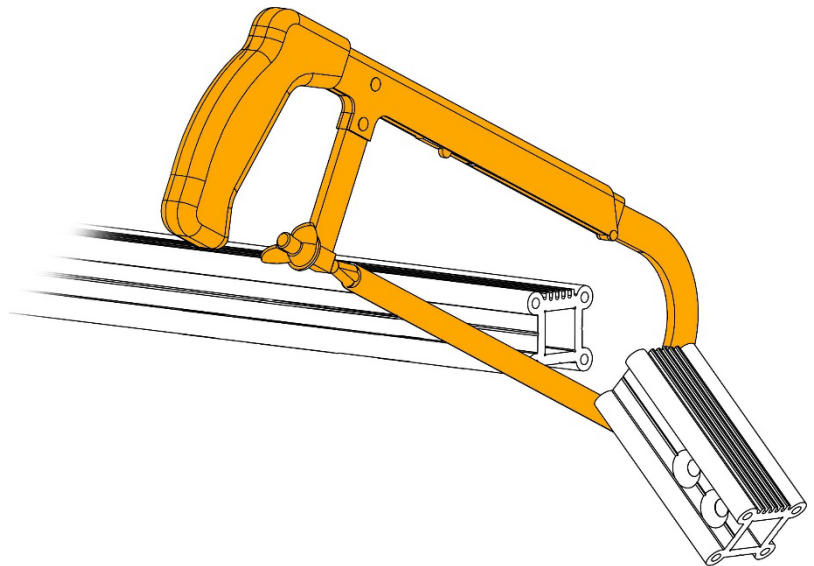
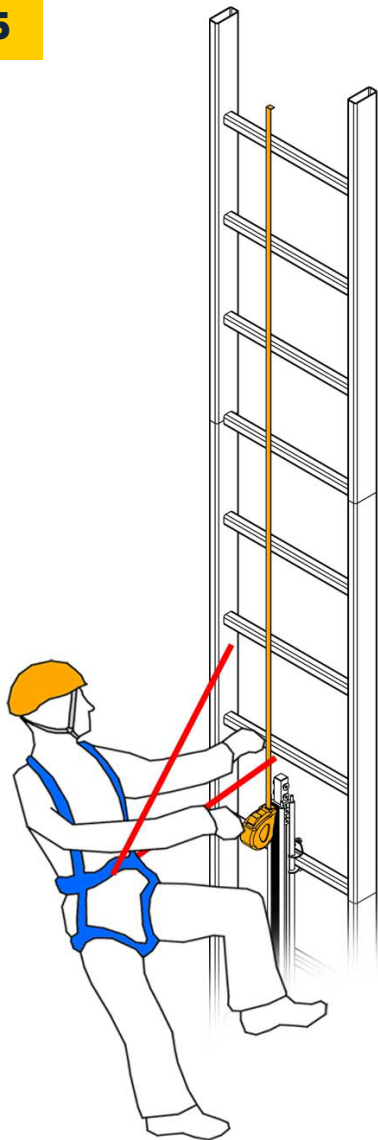


Distributed by

Vertical rail system

VERTIRAIL

5



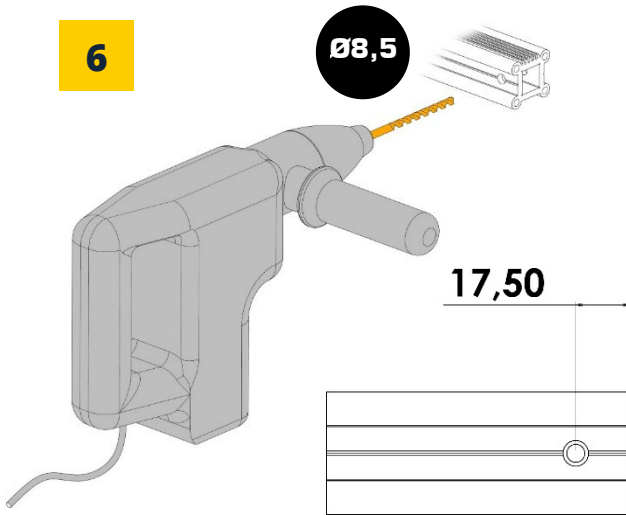


Distributed by

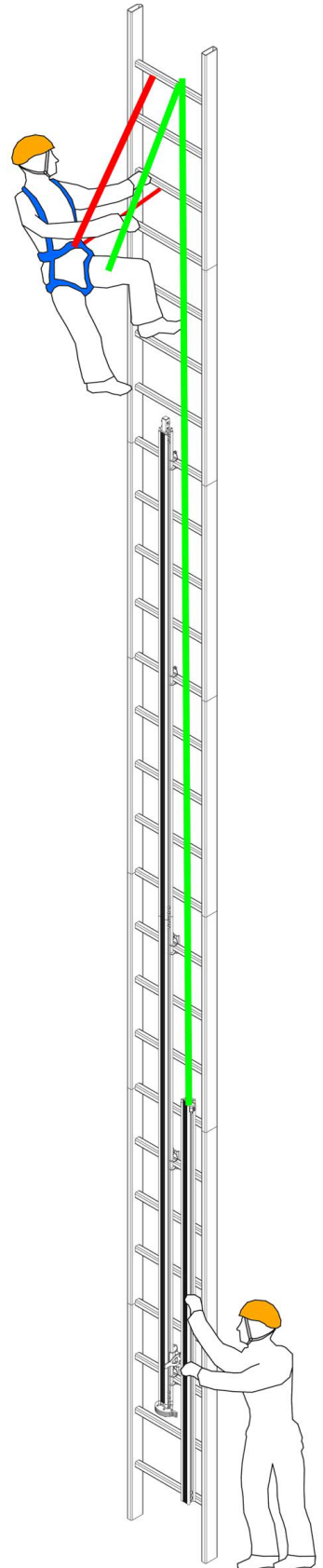
Vertical rail system

VERTIRAIL

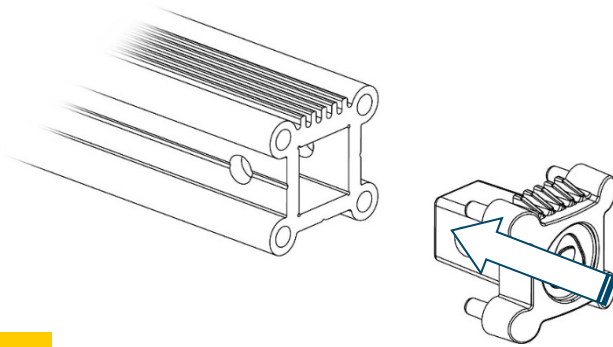
6



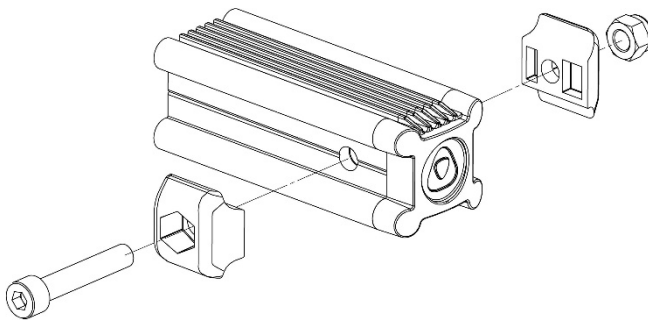
9



7



8



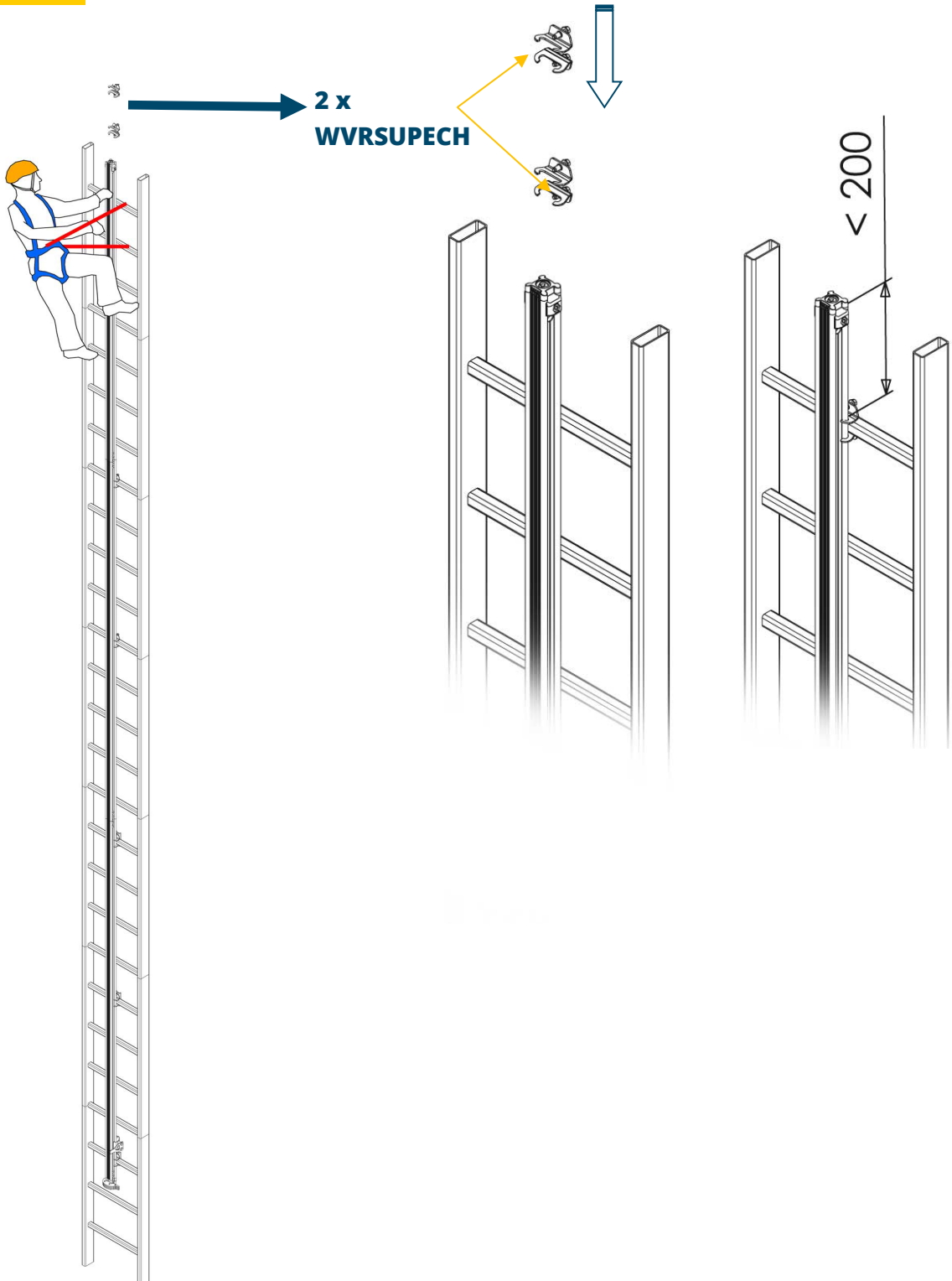


Distributed by

Vertical rail system

VERTIRAIL

10



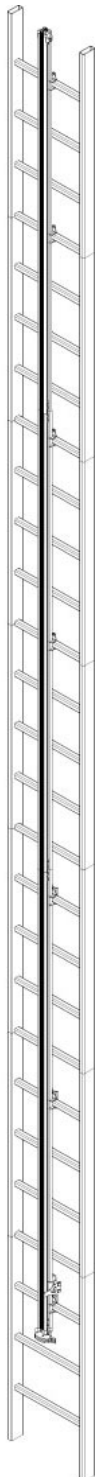


Distributed by

Vertical rail system

VERTIRAIL

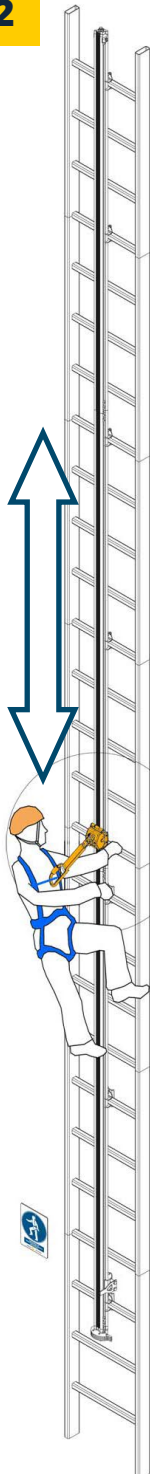
11



WVRPS



12



WVRCBV





Distributed by

Vertical rail system

VERTIRAIL



MOBILE RUNNER WVRCBV

Product identification	
Manufacturer / Supplier :	Delta Plus Systems
Product name / Reference :	WVRCBV mobile runner
Normative references :	EN 353-1: 2014 + A1: 2017

User identification			
Name :		Address:	
Historical verification			
Date of first use :		Date of purchase :	
Year of manufacture :		Serial number / Batch number :	

The controller accepts no responsibility for any inaccuracies in the information concerning the historical verification to be carried out by the user.

Service life / Disposal
<p>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.).</p> <p>A product must be scrapped when :</p> <ul style="list-style-type: none"> - 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.). <p>Destroy these products to prevent future use.</p>



Comments
Good
To watch out for
Repaired
To be discarded

Visual check of components	Comments	Good	To watch out for	Repaired	To be discarded
Condition of the main body (cracks, marks, deformation, wear, corrosion)					
Condition of the shackle and its 2 pins (cracks, marks, deformation, wear, corrosion)					



Distributed by

Visual check of components					
Condition of the 4 rollers and their crimping (cracks, marks, deformation, wear, corrosion)					
Condition of the 4 friction rollers (cracks, marks, deformation, wear, corrosion)					
Textile absorber expiry date					
Condition of textile absorber and stainless steel shackle (deformation, wear, corrosion)					
Condition of snap hook (deformation, wear, corrosion, presence of clip)					
Condition of side guards (cracks, marks, deformation, wear)					
Presence of the identification label with normative information					
Condition of the protective cover and its 2 fixing screws (tightness, play)					

Functional verification of components					
180° tilting of the stainless steel shackle (no hard point)					
Good rolling of the 4 rollers (no hard spots, smooth running)					
Good rolling of the 4 friction rollers (no hard spots, smooth running)					
The carriage runs smoothly on a straight rail element					
The carriage runs smoothly on a curved rail element					
The carriage lock is operational					

Comments :	
Inspection verdict	
<input type="checkbox"/> The product is fit to remain in service	<input type="checkbox"/> The product is unfit to remain in service

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