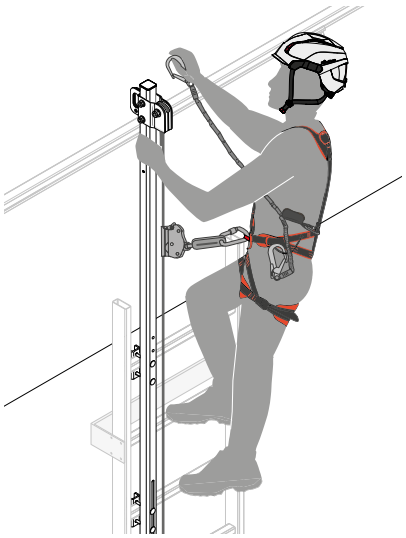
# VERTIGRIP
## VERTICAL LIFELINE

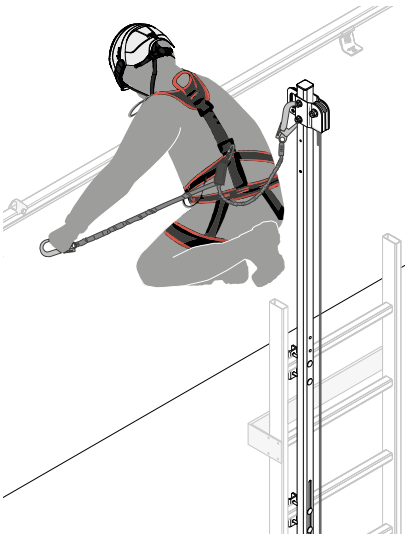
### SLIDING DEVICE

| | VERTSLIDEPAS | VERTSLIDE |
|---|---|---|
| |  |  |
| | removable sliding through fall arrest device with stainless steel energy absorber | removable sliding fall arrest device made entirely of stainless steel with energy absorber for vertical lifeline |
| standard | EN 353-1:2014 + A1:2017 | EN 353-1:2014 + A1:2017 |
| absorber | stainless steel | fabric |
| types | through | semi-automatic |
| cable diameter | 8 mm | 8 mm |
| dimensions | 190 x 90 x 28 mm | 150 x 80 x 25 mm |
| weight | 1030 g | 455 g |
| type of closure | 3-step self-locking gate | screw ring nut |

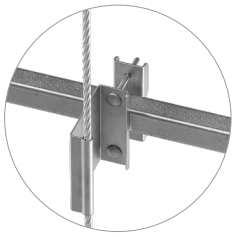
### ANCHOR POINT EN 795 A FOR ACCESS TO ROOF

**VERTOP17**
anchor EN 795 Type A on VERTOP17
end element of VERTIGRIP



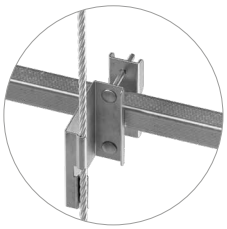


## VERTIGRIP | ELEMENTS AND INTERMEDIATE ELEMENTS



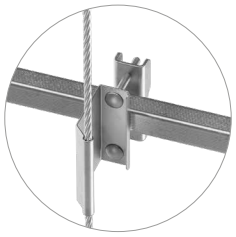
**VERTPAS**
**VERTPASA4**

fixed pass-through intermediate for vertical lifeline



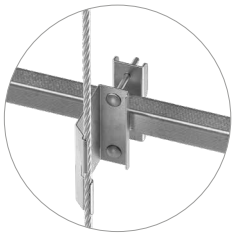
**VERTPASR**
**VERTPASRA4**

removable intermediate element for vertical lifeline



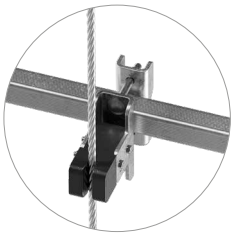
**VERTPAS45**
**VERTPAS45A4**

fixed pass-through intermediate element for vertical lifeline, designed for side installation



**VERTPASR45**
**VERTPASR45A4**

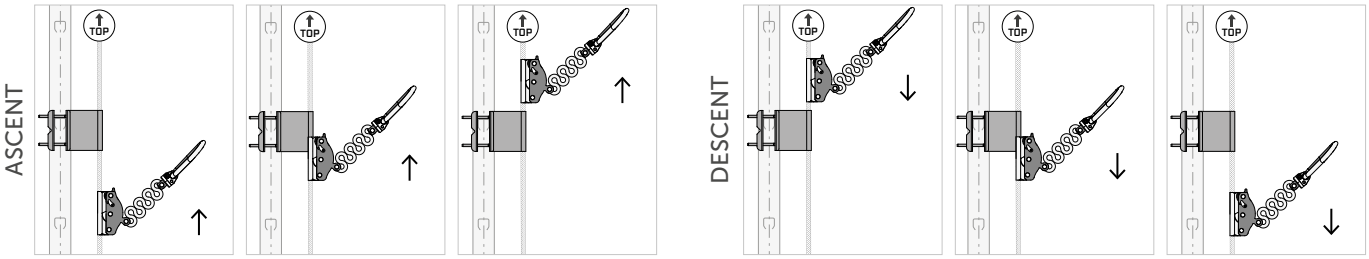
removable pass-through intermediate element for vertical lifeline, designed for side installation



**VERTINT**

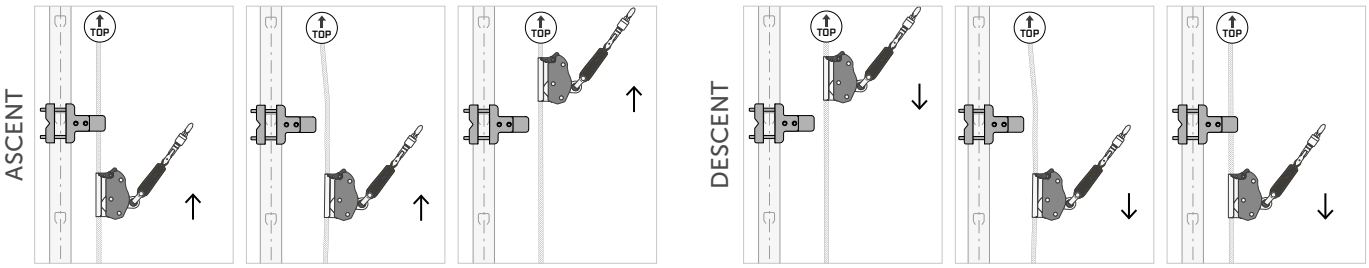
semi-automatic intermediate anchor for vertical lifeline, designed for installation on ladder

### PASS-THROUGH SYSTEM




The VERTSLIDEPAS shuttle allows full automatic passage over the intermediate element of the VERTIGRIP vertical lifeline. Moreover, its energy absorber, made entirely of metal, offers unlimited durability, although annual maintenance is required.

### SEMI-AUTOMATIC SYSTEM




The VERTSLIDE shuttle allows semi-automatic passage over the intermediate elements. During ascent and descent in safe conditions on the VERTIGRIP system, the operator must disconnect the cable from VERTINT or VERTINTW to pass the intermediate elements, then reconnect it to the end element. This is a simple, easy procedure.

## INSTALLATION ON STRUCTURE

The wall supports allow installation on various façade substructures (timber, steel, concrete) and can be combined with the ladder supports.

**VERTBASEW**
**VERTBASEWA4**

lower support for vertical lifeline on structure

**VERTINTW**
**VERTINTWA4**

intermediate element for vertical lifeline on structure

**VERTOPW**
**VERTOPWA4**

upper support for vertical lifeline on structure

# VERTIGRIP ON LADDER

## VERTICAL LIFELINE ON LADDERS

EN 353-1:2014 + A1:2017 | RfU 11.119 | EN* 795:2012 A | AS/NZS 1891.3:2020

*only for VERTOP17, VERTOP09, VERTOP17A4, VERTOP09A4

### STRONG
Complete system in AISI 316 stainless steel - AISI 304 stainless steel - EN AW 6082 aluminium alloy, guarantees excellent corrosion resistance.

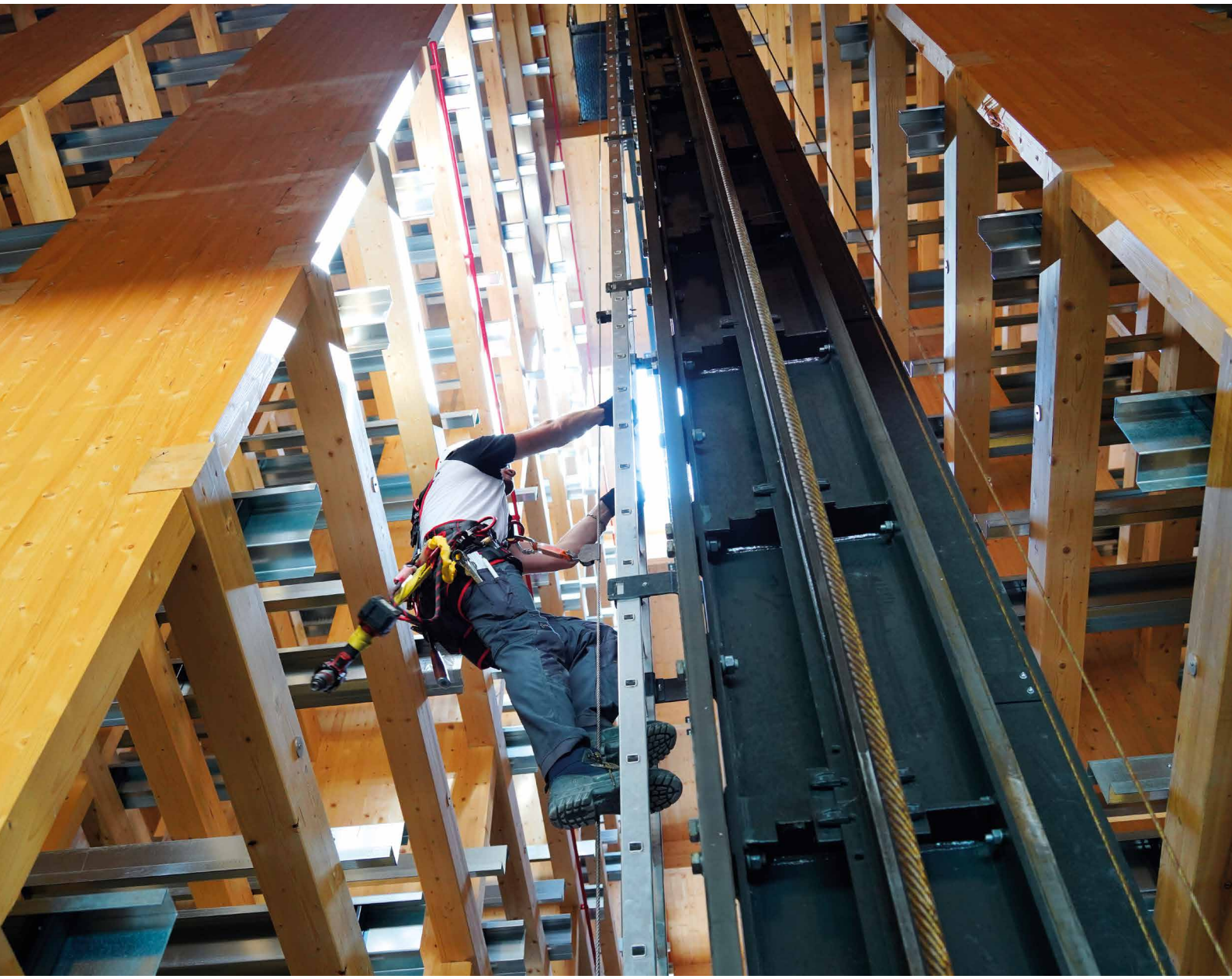
### FUNCTIONAL
Guided type fall arrester on rope with integrated energy absorber, which allows a controlled ascent and descent in safe conditions.

### PRACTICAL
The system can be assembled off-centre on the ladder.

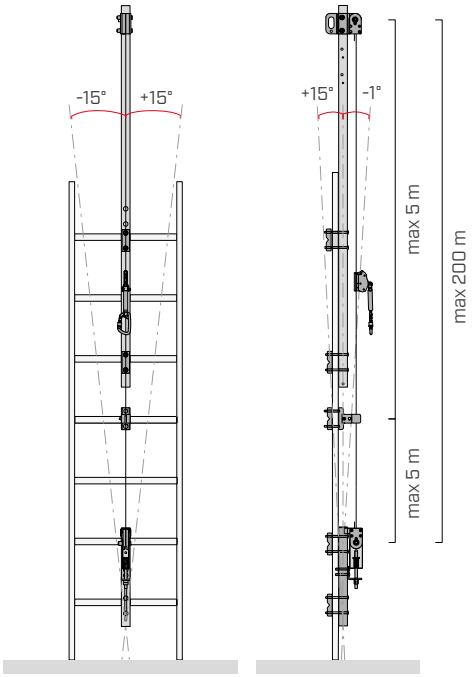
**MAXIMUM NUMBER OF USERS**

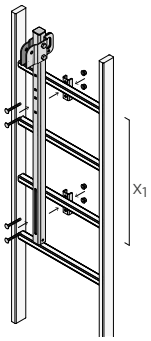
SOFTWARE

BIM | VIDEO | MANUALS

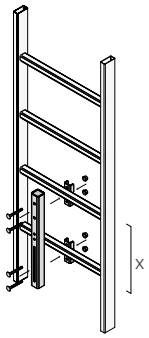


## TECHNICAL DATA*

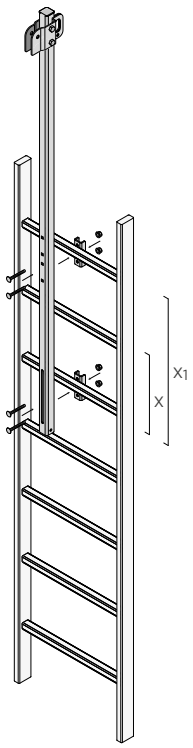



450 mm ≤ $x_1$ ≤ 700 mm



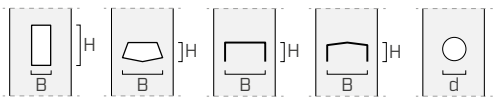

225 mm ≤ x ≤ 350 mm




450 mm ≤ $x_1$ ≤ 700 mm
225 mm ≤ x ≤ 350 mm

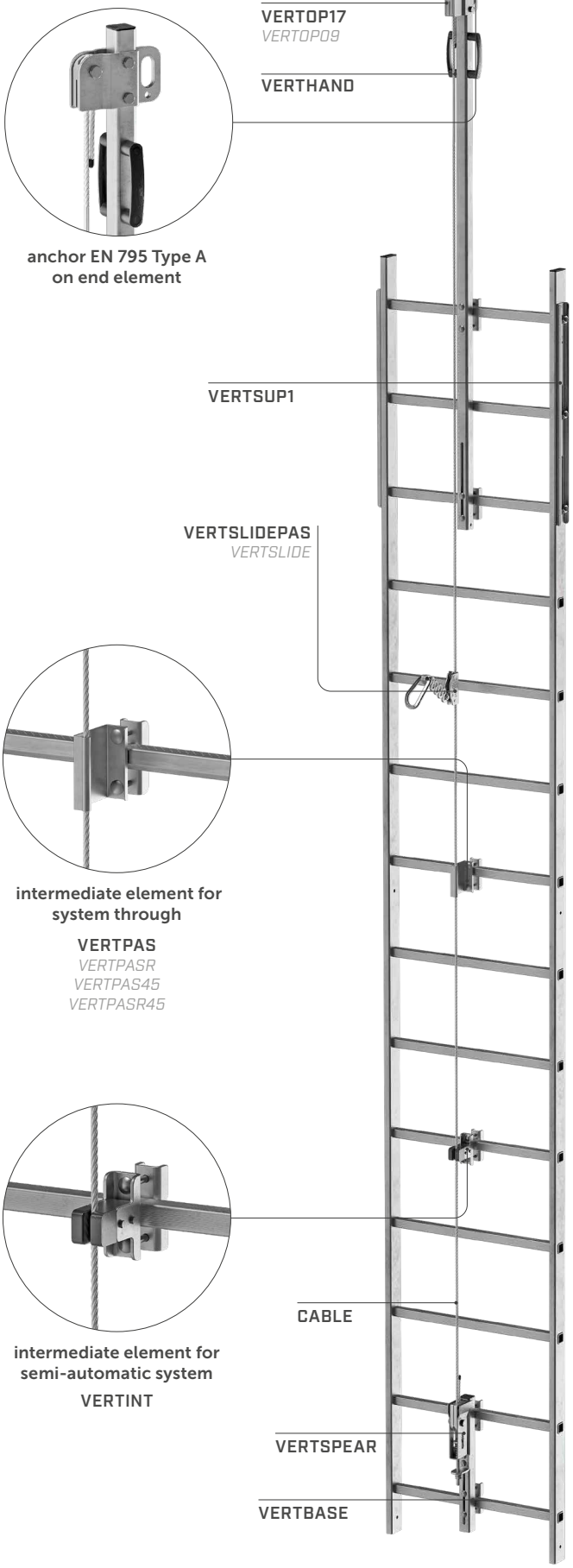
** The values indicated are the result of experimental tests carried out under the supervision of third parties in accordance with the standard referred to. For a correct calculation report with minimum distances according to the standard requirements, the substructure must be checked by a qualified engineer before installation.*

**step shape**




**B** from 20 to 100 mm
**H** from 10 to 60 mm
**d** max 35 mm

## VERTICAL LIFELINE COMPONENTS




**A4** AISI 316 **NOTE:**
*For versions in A4, see the page on components (see page 90).*

# VERTIGRIP ON WALL

## VERTICAL LIFELINE ON WALL

EN 353-1:2014 + A1:2017 | RfU 11.119 | AS/NZS 1891.3:2020

MAXIMUM NUMBER OF USERS

### PRACTICAL
The special-purpose supports allow installation on substructures in CLT, concrete or steel.

### ADJUSTABLE
Possibility of adjusting the distance of the lifeline from the wall.

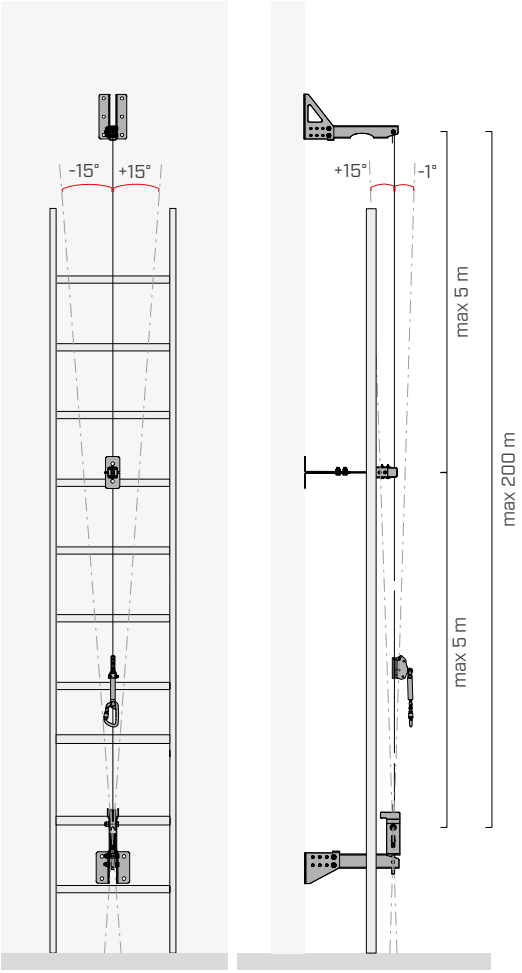
### FUNCTIONAL
It can be installed on walls inclined at an angle of up to 15° from the vertical.

SOFTWARE

BIM | VIDEO | MANUALS

## TECHNICAL DATA*

| substructure | minimum thickness | fasteners |
|---|---|---|
| CLT | 100 mm | VGS Ø11 |
| C20/25 | 140 mm | AB1 Ø12<br>AB1A4 |
| | | SKR Ø12 |
| | | rod Ø12 |
| | | VIN-FIX<br>HYB-FIX |
| S235JR | 6 mm | EKS + ULS<br>+ MUT |




## VERTICAL LIFELINE COMPONENTS


** The values indicated are derived from experimental tests carried out under the supervision of third party organisations according to the referenced standard. For a calculation report with minimum distances, according to the referenced normative requirements, the substructure must be verified by a qualified engineer before installation.*

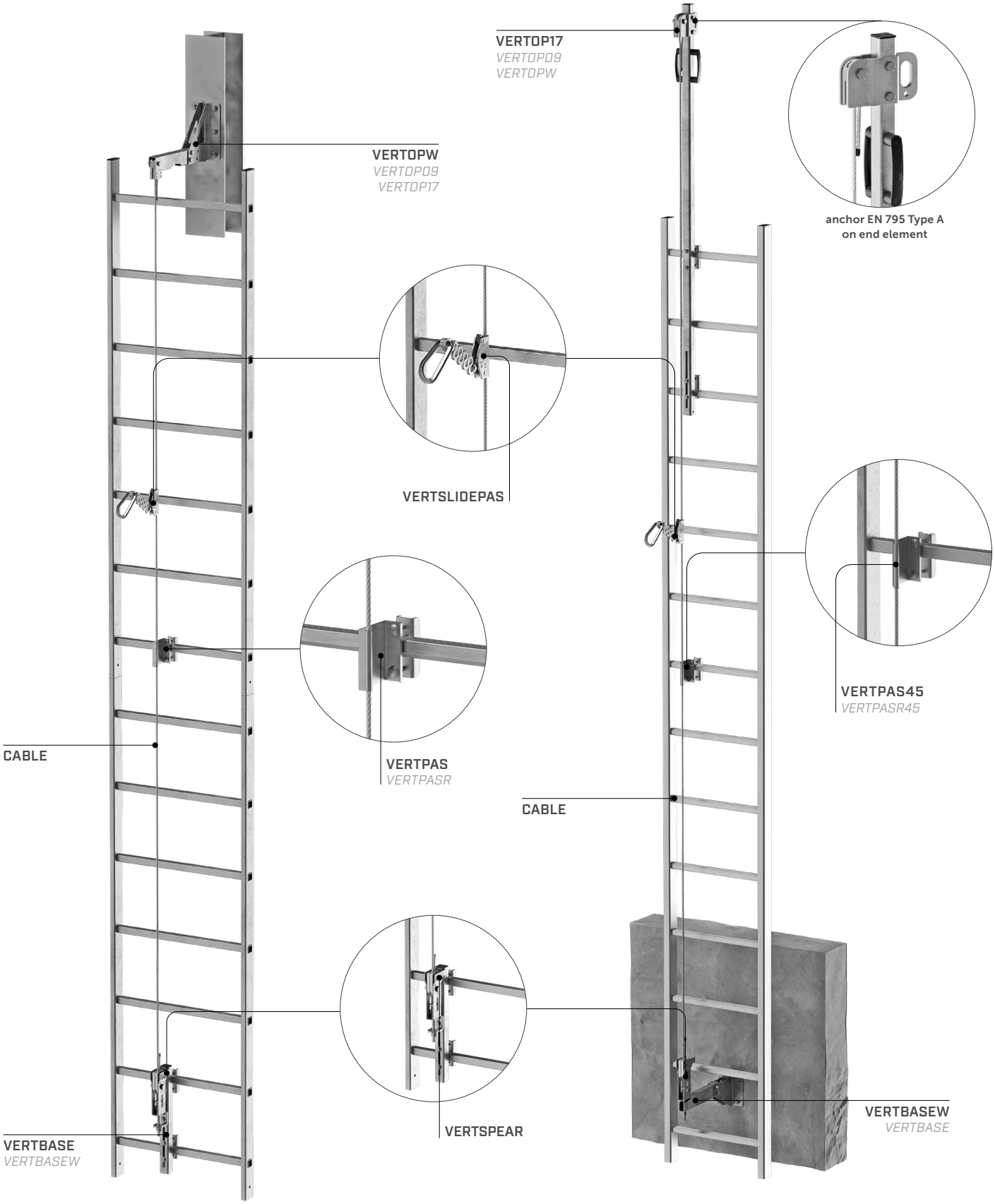
A4 AISI 316 **NOTE:**
*For versions in A4, see the page on components (see page 90).*

# VERTIGRIP | combinations

## PASS-THROUGH SYSTEM

CENTRAL ASSEMBLY

SIDE ASSEMBLY

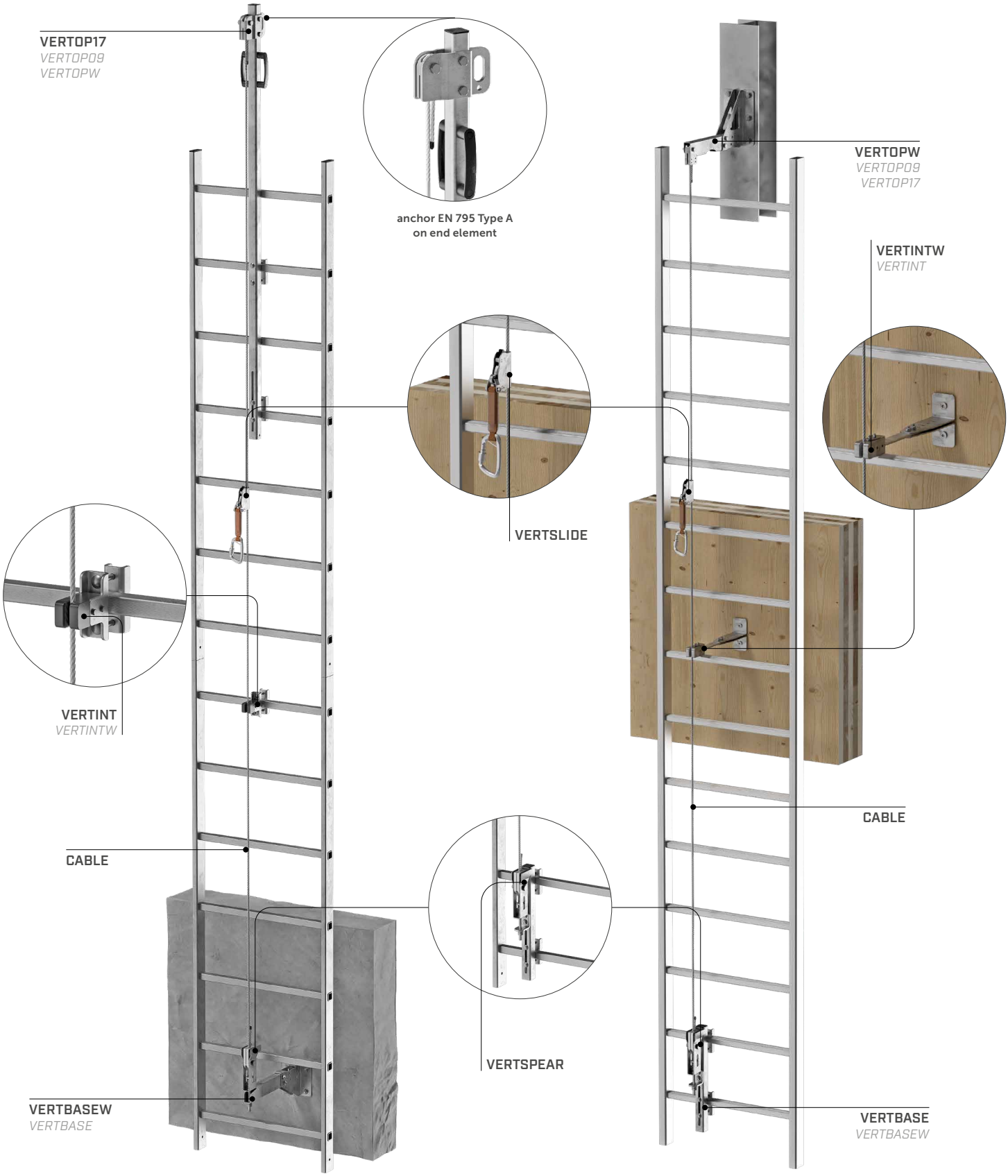



**A4** AISI 316 NOTE:
*For versions in A4, see the page on components (see page 90).*

## SEMI-AUTOMATIC SYSTEM

CENTRAL ASSEMBLY

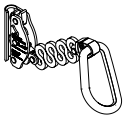
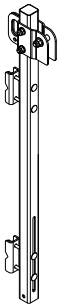
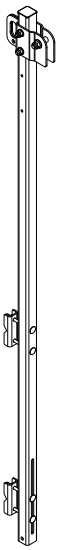
SIDE ASSEMBLY




**A4** AISI 316 **NOTE:**
*For versions in A4, see the page on components (see page 90).*

# VERTIGRIP | components

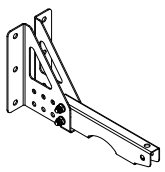
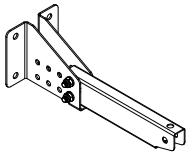
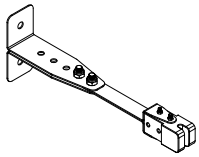
## MAIN COMPONENTS OF THE VERTICAL LIFELINE

| GROUP | CODE | description | material | weight [kg] | pcs | |
|---|---|---|---|---|---|---|
| TENSIONER | VERTSPEAR | set for clamps and tensioner | AISI 304 stainless steel grade 1.4301 EN AW 6082 aluminium | 2,60 | 1 |  |
| | VERTSPEARA4 | set for clamps and tensioner in A4 | AISI 316 stainless steel grade 1.4401 | | | |
| ROPE | CABLE | stainless steel rope AISI 316 Ø8 mm 7 x 7 | stainless steel AISI 316 | 0,259 | 1 |  |
| GUIDED TYPE FALL ARRESTER | VERTSLIDE | removable sliding fall protection device with energy absorber | AISI 304 stainless steel grade 1.4301 EN AW 7075 T6 aluminium alloy | 0,465 | 1 |  |
| | VERTSLIDEPAS | removable sliding through fall arrest device with energy absorber | AISI 304 stainless steel grade 1.4301 | 0,97 | 1 |  |
| UPPER SUPPORT | VERTOP09 | upper support (0.9 m) for ladder with anchor point | AISI 304 stainless steel grade 1.4301 | 4,44 | 1 |  |
| | VERTOP09A4 | upper support (0.9 m) in A4 for ladder with anchor point | AISI 316 stainless steel grade 1.4401 | | | |
| | VERTOP17 | upper support (1.7 m) for ladder with anchor point | AISI 304 stainless steel grade 1.4301 | 8,73 | 1 |  |
| | VERTOP17A4 | upper support (1.7 m) in A4 for ladder with anchor point | AISI 316 stainless steel grade 1.4401 | | | |

| GROUP | CODE | description | material | weight [kg] | pcs | |
|---|---|---|---|---|---|---|
| LOWER SUPPORT | VERTBASE | lower support for ladder | AISI 304 stainless steel grade 1.4301 | 1,98 | 1 |  |
| | VERTBASEA4 | A4 lower support for ladder | AISI 316 stainless steel grade 1.4401 | | | |
| INTERMEDIATE SUPPORT* | VERTINT | intermediate support for ladder | AISI 304 stainless steel grade 1.4301 - ABS | 0,74 | 1 |  |
| | VERTINTA4 | A4 intermediate support for ladder | AISI 316 stainless steel grade 1.4401 - ABS | | | |
| | VERTPAS | fixed pass-through intermediate support for ladder | AISI 304 stainless steel grade 1.4301 | 0,44 | 1 |  |
| | VERTPASA4 | A4 fixed pass-through intermediate support for ladder | AISI 316 stainless steel grade 1.4401 | | | |
| | VERTPASR | removable pass-through intermediate support for ladder | AISI 304 stainless steel grade 1.4301 | 0,42 | 1 |  |
| | VERTPASRA4 | A4 removable pass-through intermediate support for ladder | AISI 316 stainless steel grade 1.4401 | | | |
| | VERTPAS45 | side fixed pass-through intermediate support for ladder | AISI 304 stainless steel grade 1.4301 | 0,42 | 1 |  |
| | VERTPAS45A4 | side fixed pass-through intermediate support in A4 for ladder | AISI 316 stainless steel grade 1.4401 | | | |
| | VERTPASR45 | side removable pass-through intermediate support for ladder | AISI 304 stainless steel grade 1.4301 | 0,40 | 1 |  |
| | VERTPASR45A4 | side removable pass-through intermediate support in A4 for ladder | AISI 316 stainless steel grade 1.4401 | | | |

**Recommended every 5 meters.*

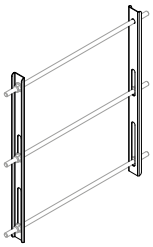
## SUPPORT FOR VERTICAL LIFELINE ON STRUCTURE

| GROUP | CODE | description | material | weight [kg] | pcs | |
|---|---|---|---|---|---|---|
| UPPER SUPPORT | VERTOPW | upper support for structure | AISI 304 stainless steel grade 1.4301 | 2,38 | 1 |  |
| | VERTOPWA4 | A4 upper support for structure | AISI 316 stainless steel grade 1.4401 | | | |
| LOWER SUPPORT | VERTBASEW | lower support for structure | AISI 304 stainless steel grade 1.4301 | 1,94 | 1 |  |
| | VERTBASEWA4 | A4 lower support for structure | AISI 316 stainless steel grade 1.4401 | | | |
| INTERMEDIATE SUPPORT* | VERTINTW | intermediate support for structure | AISI 304 stainless steel grade 1.4301 - ABS | 1,26 | 1 |  |
| | VERTINTWA4 | A4 intermediate support for structure | AISI 316 stainless steel grade 1.4401 - ABS | | | |

**Recommended every 5 meters.*

# VERTIGRIP | components

## VERTICAL LIFELINE ACCESSORIES

| GROUP | CODE | description | material | weight [kg] | pcs | |
|---|---|---|---|---|---|---|
| **HANDLE** | **VERTHAND** | set of handles for VERTOP17 | PA6 - AISI 304 stainless steel grade 1.4301 | 0,14 | 1 |  |
| **LADDER REINFORCEMENT** | **VERTSUP1** | additional reinforcement set for ladder* | AISI 304 stainless steel grade 1.4301 | 1,48 | 1 |  |

**Threaded bars, nuts and washers not included in the set.*

## INFORMATION PLATES | CODES AND DIMENSIONS

| CODE | description | material | pcs |
|---|---|---|---|
| **TARGA**xy***** | information plate for fall protection systems | stainless steel (AISI 304), plastic | 1 |
| **TARGAHOR**xy***** | information plate for PATROL and H-RAIL | stainless steel (AISI 304), plastic | 1 |
| **TARGAVERT**xy***** | information plate for VERTIGRIP | stainless steel (AISI 304), plastic | 1 |

**xy represents the ISO 639-1 language code, see the table below for reference.*

*EXAMPLE:*

| | |
|---|---|
| **TARGA EN** | information plate for fall protection systems in EN (English) |
| **TARGAHOR EN** | information plate for PATROL and H-RAIL in EN (English) |
| **TARGAVERT EN** | information plate for VERTIGRIP in EN (English) |