

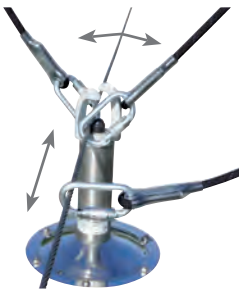


PRODUCT BENEFITS

- **USER-FRIENDLY:** can be used with a simple carabiner
- **INSTALLATION-FRIENDLY:** no need of special tools to install the end-brackets on the cable
- **CORROSION RESISTANT:** manufactured in stainless steel
- Always clipped while passing the supports
- Distance between supports is certified up to 15m
- Visual indicator allowing an optimum adjustment of the cable tension

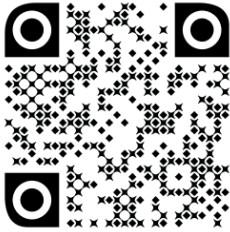
SAFETY WITHOUT UNCLIPPING

The operator, already attached to the cable, can move around without unclipping while passing the intermediate supports.



ONLINE TUTORIALS

For more information regarding the use or the installation of our BATILIGNE HLL system, please go to our YouTube channel and check out our online tutorials!

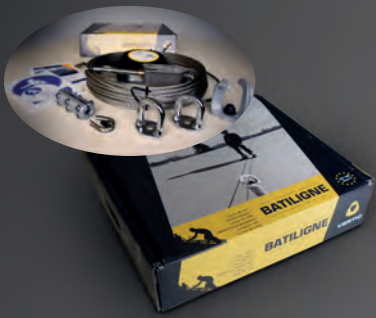


CALCULATION PROGRAM

According to the requirements of the EN 795, DELTA PLUS SYSTEMS offers a specific program to calculate the lifeline features. Available online 24/24 and 7/7. Do not hesitate to contact us to get your personal IDs.



READY-TO-INSTALL KIT

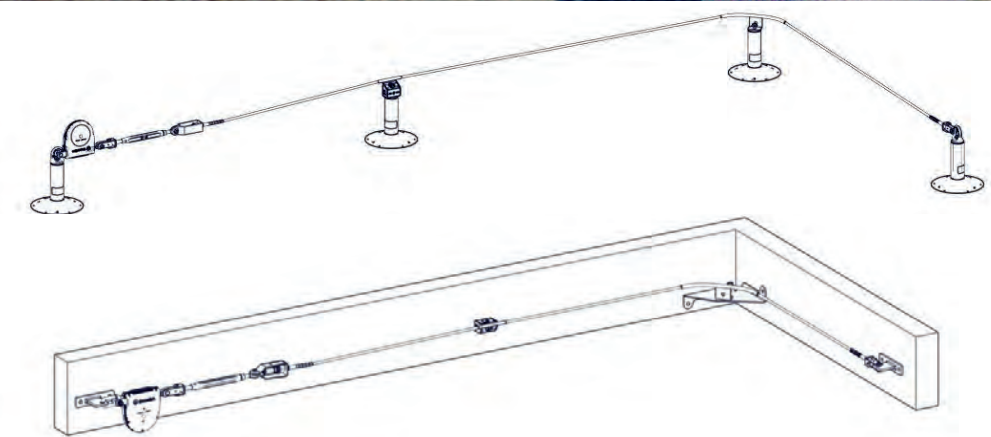


For even greater simplicity, the HLL BATILIGNE system is also available in ready-to-install kit.

- Lengths available:
- 15m
 - 30m
 - 40m

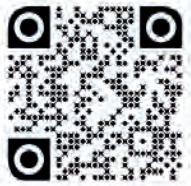
COMPONENTS BATILIGNE®

Cable 8mm , 7x7 stainless steel cable. VERTIC Bolduc incorporated in the core of the cable for a better traceability.	CI8 	BAINT2 	Intermediate bracket Spacing 15m maximum. Allows the circulation of the carabiner without unclipping.
Energy absorber Fitted at the end of the lifeline, it reduces the loads applied to the structure.	ABS55 	BAANG2 	Angle bracket Allows making adjustable angles on posts.
Manual tensionner Installation between energy absorber and manual/crimped tensionner (ref. BATSLx50). Allows the lifeline to be tensioned at the end without special tools.	TSL4 	BAANGSA 	Angle bracket for facade Enables the angle bracket to be mounted on a salient or reentrant corner. Adjustable according to the corner radius.
Manual fall indicator Allows to adjust the tension of the lifeline to 50kg. Includes a tension indicator. Manual assembling, without special tools.	BATSL250 	ES2 	Crimping tip with end-bracket Extremity part of the lifeline with the cable crimped at points.
Crimped fall indicator Allows to adjust the tension of the lifeline to 50kg. Also allows controlling if the lifeline is over or under tensioned.	BATSL350 	BAEXT2 	Manual extremity bracket Manually fitted to the end of the cable without special tools.
End bracket Extremity part of the lifeline. Can be installed on standard rigid post PSTx.	PEX 	T 	T bracket Extremity part of the lifeline. Can be installed on concrete, on steel structure or on beam (clamping and wrapping-around kits not included).
Anchor ring Versatile, it can be used either as an anchor point or as a lifeline end support.	PEXAFX 	PS 	Safety sign Must be installed at the access of the secured area. Allows the identification and the control of the system.



ONLINE TUTORIALS

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DEDICATED RUNNERS

Single moving runner

The mobile runner allows uninterrupted movement of the operator at any distance from the life line. The large diameter hooking eyelet allows the use of any type of connector.



CMS3

Runner with roller bearing kit

For heavy loads, a roller kit can be added to the runner. The CMS3KR is meant to be used on a lifeline in overhead applications or unreachable to the user. It smoothenes the use while using a self-retractable block, or a long lanyard.



CMS3KR

CALCULATION PROGRAM



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ONLINE TUTORIALS



For more information regarding the use or the installation of our ALTILIGNE HLL system, please go to our YouTube channel and check out our online tutorials!

COMPONENTS ALTILIGNE®

Cable 8mm , 7x7 stainless steel cable. VERTIC Bolduc incorporated in the core of the cable for a better traceability.	CI8 	ANGFLEXSA 	Flexible angle bracket for facade Follows the cable curve allowing multiple orientations without cutting.
Energy absorber Fitted at the end of the lifeline, it reduces the loads applied to the structure.	ABS55 	ANGFLEX 	Flexible angle bracket Follows the cable curve allowing multiple orientations without cutting. It also makes it possible to adapt to variations in the slope of the roof.
Manual tensionner Installation between energy absorber and manual/crimped tensionner (ref. BATSLx50). Allows the lifeline to be tensioned at the end without special tools.	TSL4 	ES2 	Crimping tip with end-bracket Extremity part of the lifeline with the cable crimped at points.
Manual fall indicator Allows to adjust the tension of the lifeline to 50kg. Includes a tension indicator. Manual assembling, without special tools.	BATSL250 	EC 	Manual extremity bracket Can be installed manually at the end of the cable, without using any specific tool, nor unstranding the cable.
Crimped fall indicator Allows to adjust the tension of the lifeline to 50kg. Also allows controlling if the lifeline is over or under tensioned.	BATSL350 	PEXAFX 	Anchor ring Versatile, it can be used both as an anchor point and as a lifeline end support.
Fix intermediate bracket Rigid piece enabling the runner to pass easily on both sides of the lifeline without unhooking. Several possibilities of orientations.	IFR90 	PEX 	End bracket Extremity part of the lifeline. Can be installed on standard rigid post PSTx.
Moving intermediate bracket The mobility of the piece enables the operator to work on both sides of the line, without unclipping.	IMR 	T 	T bracket Extremity part of the lifeline. Can be installed on concrete, on steel structure or on beam (clamping and wrapping-around kits not included).
		PS 	Safety sign Must be installed at the access of the system. Allows the identification and the control of the secured area.

PRODUCT BENEFITS

- **USER-FRIENDLY:** a specific runner allows the connection at any point of the cable and movement without any restriction
- **DESIGN:** careful design and finish of the line giving a perfect integration with the various architectural constraints
- **SECURE:** visible safety, thanks to the built-in tension and fall indicators
- **INSTALLATION-FRIENDLY**
- **CORROSION RESISTANT:** made of stainless steel
- Maximum span between intermediate brackets: 15m
- Ideal when the operator is working at some distance from the device



PRODUCT BENEFITS

- Perfectly adaptable for high or overhead installations, or when the fall clearance is incompatible with a cable system
- VERSATILE:** ideal for working at a distance, or in association with a high weight block
- MODULAR:** various routes may be used, thanks to the switch which enables continuous movement
- SECURE:** reduced height of fall due to the system rigidity
- HANDY:** can be installed on the majority of the roofs, thanks to the AFX supports suitable for the rail system

Several possible uses



Lateral circulation

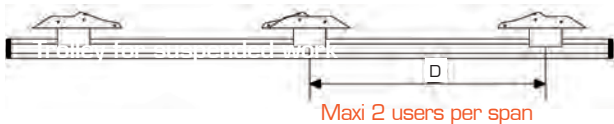


Circulation on the top of the rail



Overhead position

Recommendations of use



Fall arrest system only: **D = 4 meters**
Work in suspension: **D = 2 meters**

Rail runner with rollers

The mobile DELTA PLUS SYSTEMS runner is fitted with multiple rollers to provide perfect movement, whatever position is used. Is intended for intensive use.



RCF2

Runner dedicated to suspension use

The mobile DELTA PLUS SYSTEMS runner is made to roll under loads. It allows mobility when working in suspension.



RCF3

ONLINE TUTORIALS



For more information regarding the use or the installation of our ALTIRAIL rail system, please go to our YouTube channel and check out our online tutorials!

COMPONENTS ALTIRAIL®

Aluminium rail Drilled and milled. Available in 1, 1.5 and 3 meters.	RRAIL 	RAIG3D/RAIG4D 	Switch Allows a continuity of the movement, and the change of circulation of the runner. Available in 3 or 4 directions.
Entry/Exit bracket for runner Can be installed at any location on the rail, to allow the installation of the different runners.	RRO 	RAIG3DM/RAIG4DM 	Motorized switch Ensures the safety of warehouses with a significant height. Can be used and activated at distance with a remote control. Available in 3 or 4 directions.
Retractable end stop This end stop enables the runner to be fitted at the end of the rail. Automatic locking.	RBE 	RA90E/RA90S 	90° angles for lateral movement Interior or exterior angles allowing the runner to circulate sideways.
Fixed end stop Blocks the runner at the end, securing the system. Finishes the extremity of the rail nicely.	REXTF 	RA90S2/RA90E2 	90° angles for overhead applications Interior or exterior angles allowing the runner to circulate overhead.
Rail coupling block Allows assembling two lengths of rail. The 4 pins ensure a perfect lining up of the rail.	RECL 	REQG 	Wall offset Allows mounting the rail on a facade, when circulation is done overhead. Also available in stainless steel (Ref. REQI).
Rail support Made of copper-aluminium, it facilitates the fitting and removal of the rail. Also permits free expansion of the rail.	RSUP 	RPS 	Safety sign Must be installed at the access of the system. Allows the identification and the control of the secured area.



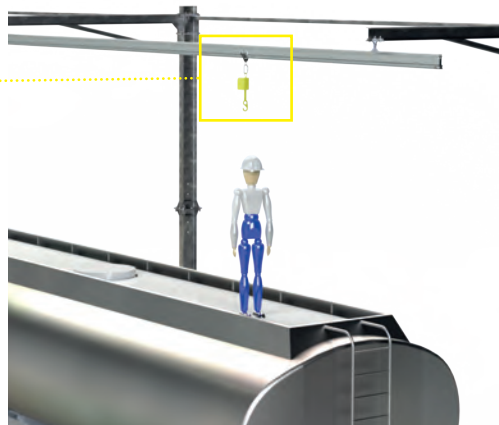
Mobile runner



RCLR

The RCLR mobile runner is permanently installed on the rail.

Thanks to its unique fluidity of movement, it allows you to move freely along the rail.



Recommendations of use



Maxi 3 users per span

Fall arrest system only:
D = 8 meters

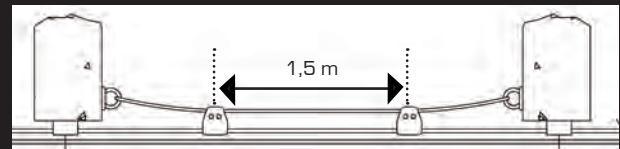
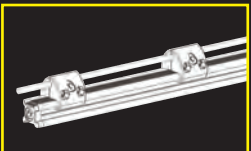
Work in suspension:
D = 5 meters

TO ALWAYS GO FURTHER ON...

For particular uses where the available supports are more than 8 meters apart, we offer to combine our rigid ALTIRAIL system with a 10mm galvanised cable.

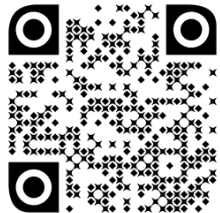
This solution makes it possible to cover very large spans, provided that the load-bearing structure to which the slings will be attached is capable of covering the necessary loads.

Working in tension and suspension is possible.



ONLINE TUTORIALS

For more information regarding the use or the installation of our ALTIRAIL long-range rail, please go to our YouTube channel and check out our online tutorials!



COMPONENTS ALTIRAIL LR®

LR rail profile

Robust profile that can be cut or drilled as required on site (ROUTP tool).

Compatible with DELTA PLUS SYSTEMS runners: RCLR, RCF2 and RCF3.

Available in 4.4 meters.

RRAILLR



RECLLR



LR rail joint

Allows the perfect assembly and alignment of 2 rail lengths. Screws pre-coated with threadlocker against untightening for greater safety.

LR end corner bracket

Allows a perfect finishing of the LR rail, in the case of the installation of a RA90 corner.

RBALR



RSUPLR1



LR rail support

Allows the LR rail to be oriented in the axis of the fall. Galvanised steel bracket.

LR end bracket

Locks the runner at the end of the LR rail without damaging it. Allows a perfect finish of the LR rail.

RBBLR



RSUPLR2



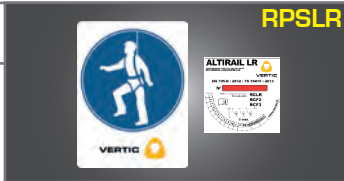
LR rail support

Allows the LR rail to be fixed perpendicular to the structure. Galvanised steel bracket.

LR rail safety sign

Must be installed at the access level to the system. Allows identification and tracking of the secured area.

RPSLR



RSUPLR3



LR rail support

Allows the LR rail to be fixed parallel to the structure. Galvanised steel bracket.

PRODUCT BENEFITS

- INNOVATION:** ideal solution for installations requiring significant fixing spans
FIXING SPAN: 8m
- USER-FRIENDLY:** runner with plastic roller on bearing for a smooth circulation
- LONG-TERM RUNNER:** made of stainless steel 316, perfectly adapted to aggressive environments
- VERSATILE:** fixing support adaptable to any features
- RESISTANT:** high robustness of the profile and runner, allowing use in aggressive (dusty) environments
- SECURE:** runner fitted with 2 security hooks
 Screws pre-coated with threadlocker against untightening