

Fall arrest individual protection

Permanent systems



Cable systems

Rail systems

Supports & anchor points

HORIZONTAL FALL PROTECTION



ALTILINEE

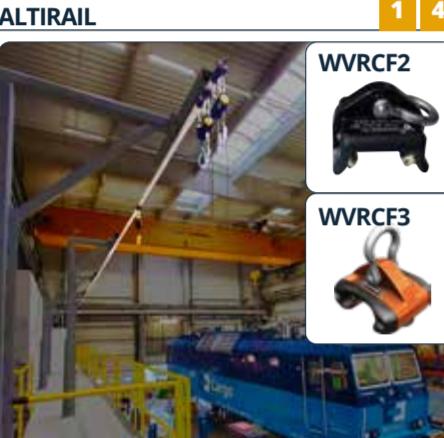
WVCM3

WVCM3KR



BATILINEE

3



ALTIRAIL

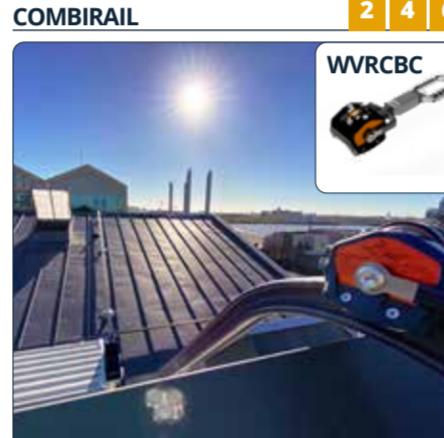
WVRCF2

WVRCF3



ALTIRAIL LR

WVRCLR



COMBIRAIL

WVRBC



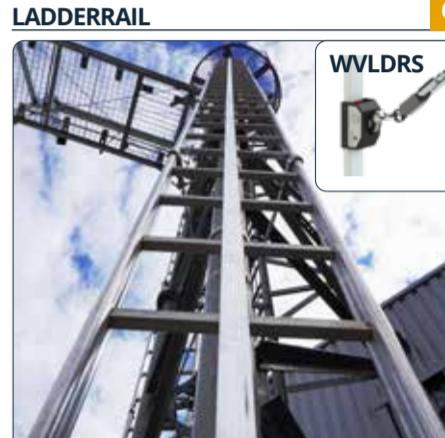
INCLINED FALL PROTECTION

2 4 6



VERTIRAIL

WVRBCV



LADDERRAIL

WVLDRS



PVC

AFXPVC

RAFXPVC

AFXPVCAP

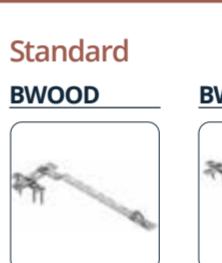


BITUMEN

AFXBM

RAFXBM

AFXBMPA



Standard

BWOOD



Ladder hooks

BWOODC

BWOODSC

METALLIC SHEATINGS

STEEL DECK

Standard

AFX2FR

RAFXST

AFXBACPA

Wave spans: 250, 280, 304, 333 mm

AFX2ES

RAFXSTES

AFXBACPAES

Wave spans: 415, 440 mm

AFX2ZOI

RAFXSTZOI

AFXBACPAZOI

Wave spans: 300, 352, 386 mm

Anchors & ladder hooks

BFXT

BFXTC

Trapezoidal

BFXS

BFXSC

Sinusoidal

Ondulit covering

AFXBACOPA

Wave spans: 193.25, 264, 299 mm

STRUCTURES

FIBER-CEMENT

Metallic framework

AFXFC

AFXFCPA

RAFXFC

FRAMEWORK

Standard

PST1

PEXA FX

Squared

PST1C

CONCRETE

Standard

PST2

ANOV

Squared

PSTC

Stainless steel

PLFXVI

Standing seams

AFXKAL1

AFXKAL2

RAFXAL

VARIOUS

WVPARXX

WVRXX

Installation on CTBH or OSB wood panelling, on a waterproof tray, on a waterproof concrete slab. Up to 1000 mm high at the anchor point and 400 mm for lifeline support.

ZINC & COPPER

Standard

AFXZN

AFXZNPA

RAFXZN

Standing seams

AFXZNJD

AFXZNJDPA

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Accessories

Accessories

Fixations

Structure		Rail systems		
WATERPROOFING				
SLEEVE		CONNECTOR	SWITCHES	
COLLx		RRO	RAIGxD	RAIGxDM
 FALU1 Aluminium FALUPVC PVC KEFPUILES Tiles	 COLLx Flange COLL3 plastic COLL6 metal	 Entry & Exit bracket for runner	 RAIGxD Manual	 RAIGxDM Motorized
RAIG3D and RAIG3DM 3 directions RAIG4D and RAIG4DM 4 directions Motorized version: remote control included				
Flexible coatings				
PVC & BITUMEN	STEEL	ALUMINIUM	ZINC	STRUCTURE
KVBSEx	KVBAC	KVBACALUS	KVZN	CONCRETE
 Ribs & blocks Hollow core slab Steel deck Isolation < 330 mm	 Standard steel deck	 Sinusoidal	 Wooden sheathing	 ANCRM12
KVRBAC	KV1A	KVBACALU		
 Reinforcement kit	 Folded steel section	 Trapezoidal		
KV4FIXx	KV1M			
 Perforated steel deck Isolation < 330 mm	 IPN or UPN 80			
ANCRAFX				
 Concrete slab Floor precast wideslab				
Framework				
KCxP	KCx			
 Double clipping	 Simple clipping			
KC1P 80 > 150 mm KC2P 150 > 250 mm KC3P 235 > 330 mm	KC1 80 > 150 mm KC2 150 > 250 mm KC3 235 > 330 mm			
KBxP	KBx			
 Double clamping	 Simple clamping			
KB1P 80 > 150 mm KB2P 150 > 250 mm KB3P 235 > 330 mm	KB1 80 > 150 mm KB2 150 > 250 mm KB3 235 > 330 mm			

Normative reminder



Anchor devices

EN 795 : 2012

Defines the requirements and test methods, the user manual and the marking of the anchor devices dedicated exclusively to be used with personal protective equipment against falls from a height.

Recommendations for anchor devices for use by more than one person simultaneously
CEN TS 16415 : 2013

This technical specification sets out recommendations for requirements, for anchor devices intended for use by more than one user simultaneously.



Guided type fall arresters including a flexible anchor line

Defines the requirements, test methods, marking, manufacturer information leaflet, and packaging of the mobile fall arresters including a flexible anchor line that can be attached to an upper anchor.



Permanent means of access to machinery: working platforms and walkways

EN ISO 14122-2

Applies to working platforms and walkways that are part of a machine. May also apply to platforms and walkways providing access to parts of the building where the machine is installed, provided that the main function of this part of the building is to provide access to the machine.

Permanent means of access to machinery: stairs, stepladders and guardrails

EN ISO 14122-3

Applies to stairs, stepladders and guardrails that are part of a machine. May also apply to stairs, stepladders and guardrails providing access to parts of the building where the machine is installed, provided that the main function of this part of the building is to provide access to the machine.

Permanent means of access to machinery: fixed ladders

EN ISO 14122-4

Applies to fixed ladders that are part of a machine. May also apply to fixed ladders providing access to parts of the building where the machine is installed, provided that the main function of this part of the building is to provide access to the machine. Also applies to ladders that are not permanently attached to the machine and can be disassembled, moved or rotated to the side for some operations on the machine.

FALL ARREST

INDIVIDUAL PROTECTION

PERMANENT SYSTEMS



enjoy safety

Working at height: what you need to know

What do we call "fall factor"?

Fall factor represents the **proportional degree of fall severity**.

Its value lies between 0 and 2 and can be calculated by dividing the height of fall by the rope/lanyard length. There is a danger above a 0.3 fall factor.

Factor 0: limited free fall

The anchor point is above the user's head and the lanyard is tightened.



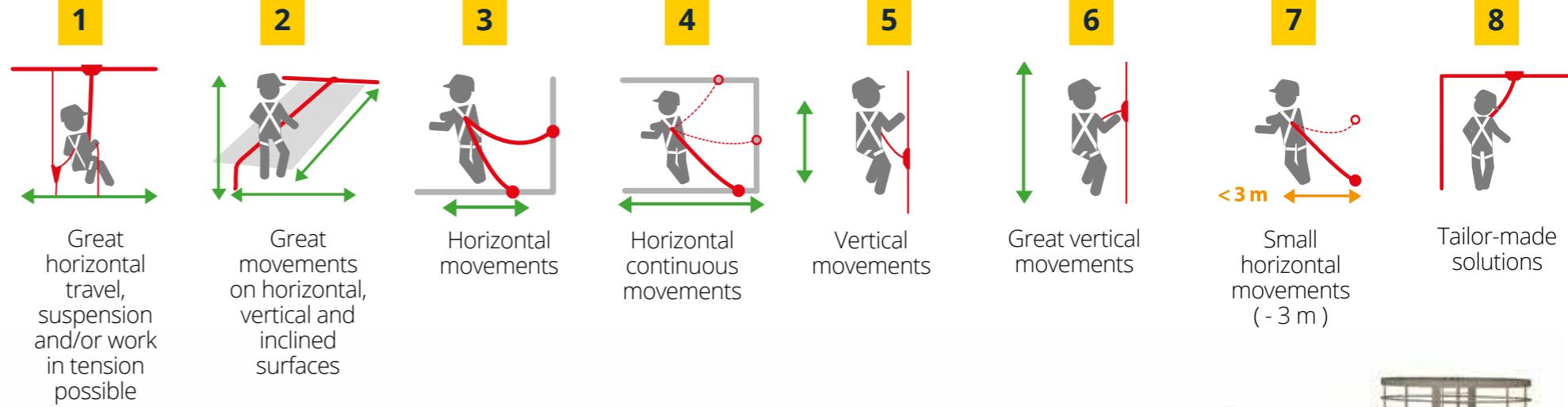
Factor 1 : free fall up to one time lanyard/rope system length

The anchor point is at the same level than the user's chest, i.e. at the sternal attachment point.



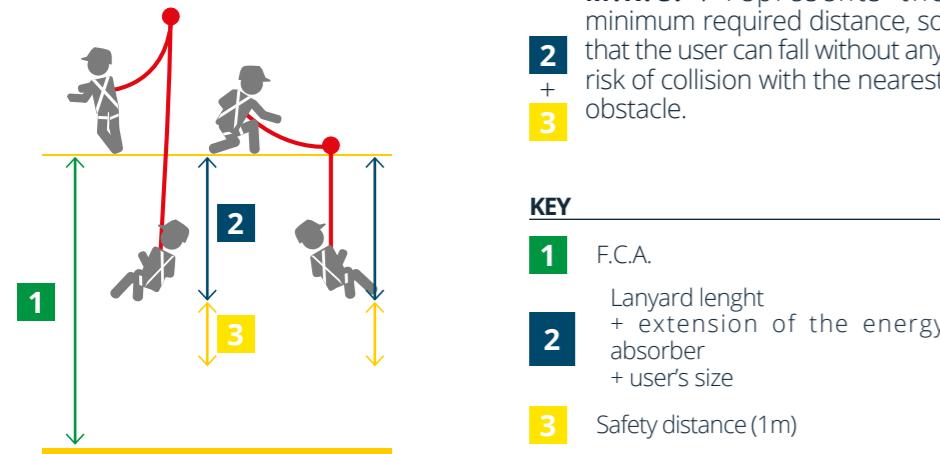
Factor 2 : free fall up to two times lanyard/rope system length

The anchor point is at the same level than the user's feet, i.e. between the sternal attachment point and the ground.



What do we call "fall clearance"?

Fall clearance represents the distance between the anchor point and the ground. Two different notions of fall clearance must be distinguished: the Fall Clearance Available (F.C.A.) and the Minimum Required Clearance (M.R.C.).



What do we call "swinging effect"?

The swinging effect or pendulum effect represents the **risk of swing if a fall occur**. During the swing and the fall, you may strike the structure you are working on or even an obstacle nearby (wall, ground,...).

It usually occurs when the anchor point is not located exactly above the user while working at height.

To limit the swinging effect, you need to **keep an angle between the P.P.E. and the anchor point below 30°**.

