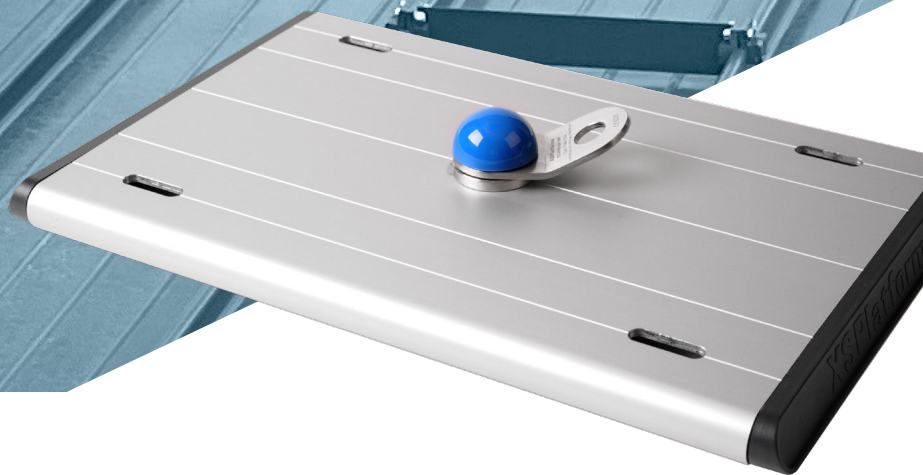


SINGLE ANCHOR POINTS AND ENGINEERED SYSTEMS

SUBMITTAL DOCUMENTATION • SALES GUIDE

FALL PROTECTION SYSTEMS:

- SINGLE ANCHOR POINTS
- HORIZONTAL LIFELINE SYSTEMS



BEMOUSA.COM



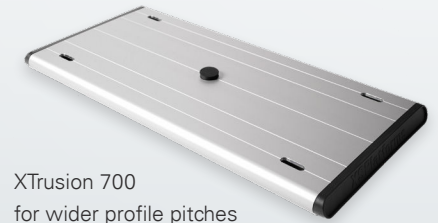
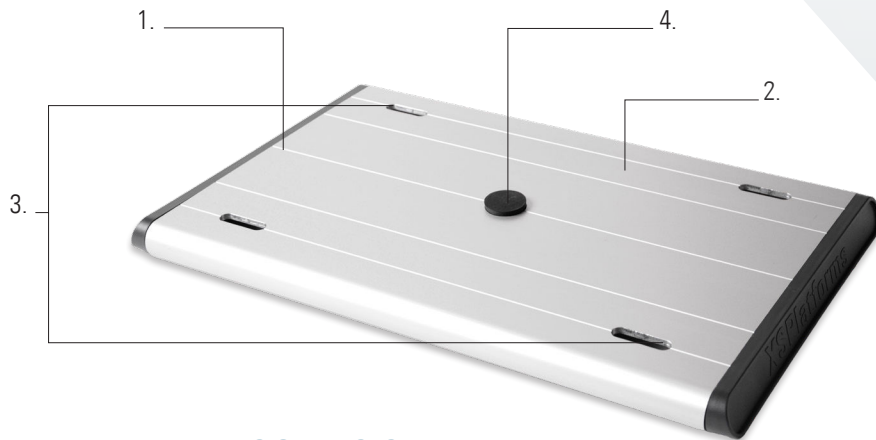
XSPlatforms®
Certified Partner

THE XTRUSION

The XTrusion base is an aluminium profile that forms the connection between the standing seam roofs, and the anchor point which is installed on top of the XTrusion.

FEATURES OF THE XTRUSION

1. Aluminium anodised profile.
2. Flat extrusion profile, which can easily be installed from above with a single action.
3. Slotted holes for installation on various rib distances.
4. M30 top thread for compatibility with different options for single anchor points or horizontal lifelines, such as XSBending kit.



XTrusion 700
for wider profile pitches

AVAILABLE XTRUSION BASES

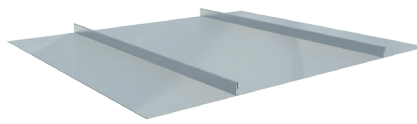
XTrusion 550: for seam widths from 300 (11 13/16") to 460 mm. (18 7/64") Art. 11705

XTrusion 700: for seam widths from 460 (18 7/64") to 610 mm (21 1/64") Art. 11405

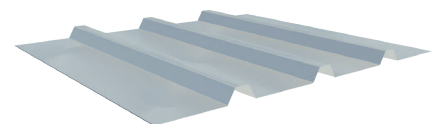
SUITABLE FOR INSTALLATION ON:



Standing round seam profile
Aluminum min. 0.9 mm (19 gauge)
Steel min. 0.75 (22 gauge)



Standing double fold seam roof profile
Zinc min. 1 mm (15 gauge)



Trapezoidal cold roof profile
Min. 0.63 mm (24 gauge) *without insulation*

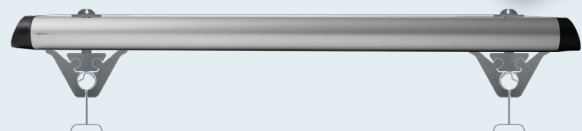
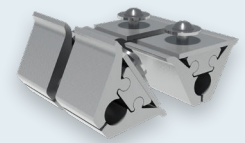
INSTALLATION MATERIALS

The XTrusion can be installed with special clamps that are attached on the roof profile. Thanks to the ingenuity of the XTrusion base, it can be installed with three different clamps on three different folding roof profiles: round seam, double fold and trapezoidal roof profiles.

XTRUSION FIX KIT (ROUND SEAM)

Art. 11780

Fix kit for round seam roof profiles



XTRUSION BASE PLATE CONFIGURATIONS

SINGLE ANCHOR POINTS CONFIGURATION OPTIONS

XSGLOBE EYE



An anchor point for fall arrest and restraint work on roofs with a maximum angle of 15°.

XSIMPACT 360°



An anchor point for work positioning on roofs with a max. angle of 15°.

RAP GLOBE



An anchor point for work positioning / abseiling* on roofs up to an angle of 15°.

* Abseiling is only possible on anchor points installed on aluminum round standing seam roofs of min. 1 mm (18 ga), such as BEMO

HORIZONTAL LIFELINE BASE PLATE CONFIGURATION OPTIONS

XSBENDING KIT SETUP



XSBending kit Pro provides absorption - it lowers the load on the roof if a fall occurs.

XSDYNAMIC SETUP



XSDynamic provides absorption - it lowers the load on the roof if a fall occurs.

XSBENDING KIT AND XSDYNAMIC

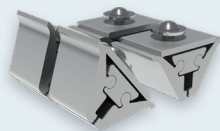


XSBending kit Pro in combination with the XSDynamic provides maximum absorption - it lowers the load on the roof if a fall occurs.

XTRUSION FIX KIT (DOUBLE FOLD)

Art. 11781

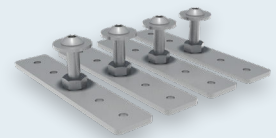
Fix kit for double fold seam roof profiles



XTRUSION FIX KIT (BUILD-UP-ON-SITE)

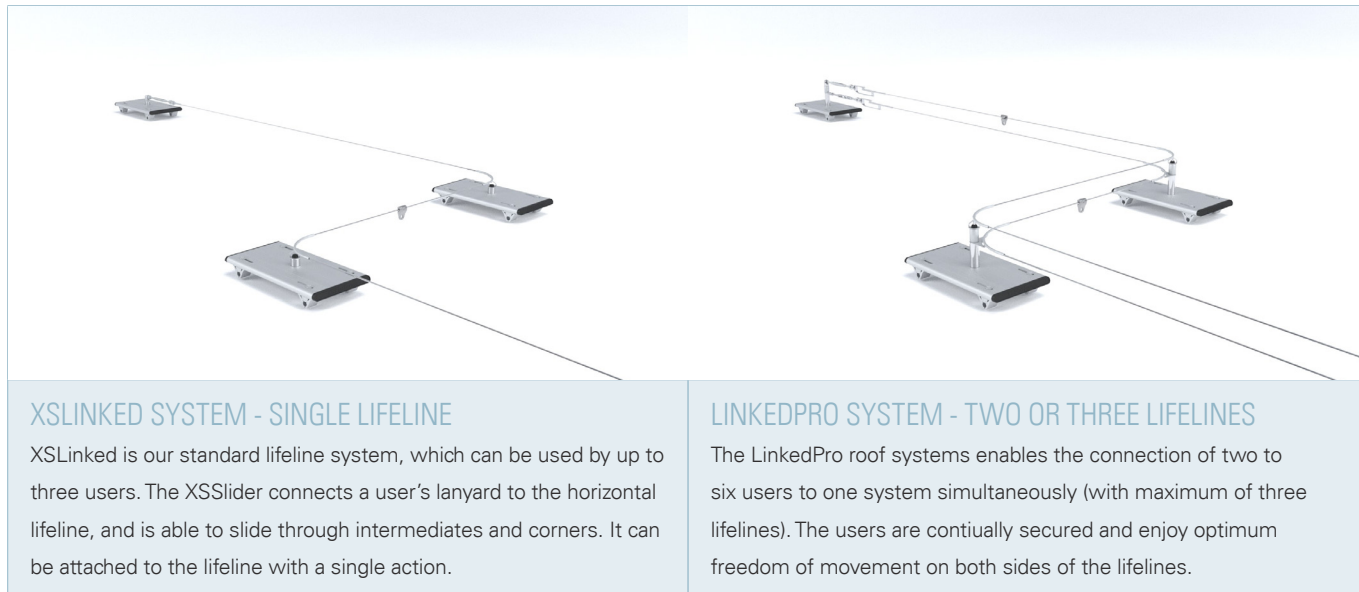
Art. 1783

Build-up-on-site kit for trapezoidal cold roof profiles



ABOUT OUR ENGINEERED SYSTEMS

Like most XSPlatforms fall protections systems our engineered systems are built up out of modular components. Meaning that several products can be used for two types of installation: XSLinked and LinkedPro.



XSLINKED SYSTEM - SINGLE LIFELINE

XSLinked is our standard lifeline system, which can be used by up to three users. The XSlider connects a user's lanyard to the horizontal lifeline, and is able to slide through intermediates and corners. It can be attached to the lifeline with a single action.

LINKEDPRO SYSTEM - TWO OR THREE LIFELINES

The LinkedPro roof systems enables the connection of two to six users to one system simultaneously (with maximum of three lifelines). The users are continually secured and enjoy optimum freedom of movement on both sides of the lifelines.

COMPATIBILITY AND UNIQUE FEATURES

OF XSPLATFORMS ENGINEERED SYSTEMS

XSPlatforms' range of horizontal lifeline systems are suitable for installation on (flat/low sloped) roofs. Also this system can be incorporated on walls, ceilings and overhead structures.

XSPlatforms' horizontal lifeline systems can be installed on the various surfaces by means of our XSBase plate (art. 11110/11111/11112), XTusion (art. 11705/11405) and XSMD (art. 11911/11921) base plates for roofs.

Other advantages are:

- ✓ Can be installed on concrete, plywood, trapezoidal steel roofs and more.
- ✓ LinkedPro can be installed as a multi-route system, where different lifeline routes are installed on the same set of anchor points.
- ✓ Risk reduction can be achieved with the XSPoint and XSlider Pro, these components make it impossible to disconnect the slider from the lifeline in an unsafe zone.
- ✓ With multiple lines the users are able passing each other without disconnecting.
- ✓ With XSPlatforms' ODIN lifeline Calculation tool the installer can calculate a lifeline solution virtually that complies with the applicable standards.

CERTIFICATION

The conformity of the horizontal lifeline systems XSLinked and LinkedPro has been approved by SATRA Technology Centre Ltd. (United Kingdom) according to the European Standards:

- ✓ EN 795:2012 type C – Personal fall protection equipment – Anchor devices
- ✓ CEN/TS 16415:2013 type C – Personal fall protection equipment – Anchor devices – Recommendations for anchor devices for use by more than one person simultaneously.

The corrosion resistance of all XSPlatforms fall protection products is tested according to ISO 9227:2012. Furthermore the horizontal lifeline system has been designed to meet the requirements of the following standards:

- ✓ ANSI Z359.6 (Fall Protection Code) and OSHA 1910 subpart I & 1926 subpart M (North America)
- ✓ CSA Z259.16 (Canada)
- ✓ AS/NZS 1891.2:2001 (Australia and New Zealand)

ODIN LIFELINE CALCULATION TOOL

A unique online calculation tool that allows you to calculate the adequate lifeline solution for virtually any situation that involves work at height.

ODIN is the easiest way to guarantee that the custom XSPlatforms lifeline configuration you are offering complies with the applicable standard. Making an exact calculation for a horizontal lifeline system requires a lot of specific knowledge about the applicable safety standards and formulas. ODIN performs these calculations quickly, easily and reliably.

ODIN easily calculates the forces released in case of a fall and provides a detailed configuration report about a fall protection system:

- ✓ Configurations are accurate and reliable.
- ✓ The most all-embracing tool of its kind.
- ✓ Very quick and easy to use.
- ✓ No extensive knowledge is required to use ODIN.
- ✓ Provides professional, relevant configuration reports.
- ✓ Cost-effective calculations.
- ✓ Accessible from anywhere at any time: available for desktop, smartphone or tablet.

ODIN can calculate lifeline setup compliance to the following standards

- ✓ EN795:2012 & CEN/TS16415 (Europe)
- ✓ ANSI Z359.6:2016 (United States)
- ✓ CSA Z259.16-04:2015 (Canada)

ODIN-TOOL.COM

ODIN[®]
Lifeline calculation tool



COMPONENTS

OF AN ENGINEERED SYSTEM

Like most XSPlatforms fall protections systems our engineered systems are built up out of modular components. Meaning that several products can be used for two types of installation: XSLinked and LinkedPro.

XSBENDING KIT PRO & XSCONNECTOR PRO

Art. 11611 / 11665

The award-winning XSBending kit Pro is a cylindrical component that is applied to the base plates of the lifeline system, it bends in the direction of the fall to absorb the shock. This way, the XSBending kit Pro protects users and at the same time prevents damage to the surface of the roof.



XSDYNAMIC KIT

Art. 14751

The XSDynamic can provide even more absorption by increasing the deflection of the lifeline. When it is activated by a fall, the spring inside the XSDynamic is stretched. The XSConnector Pro is ideal for working with low systems in combination with the XSDynamic kit (required).



INTERMEDIATE AND CORNERS FOR XSLINKED

Art. 12411 / 12511 / 12611

A series of modular 45 and 90 degree corners, which can be mounted on a XSConnector Pro or XSBending kit Pro.



INTERMEDIATE & CORNERS FOR LINKEDPRO

Art. 13351 / 13361 / 13371 / 13381 / 13391

Additional brackets are needed to staple the system together with Spacers into our multi-lined horizontal lifeline system: LinkedPro. For each corner there are two corner types: the inner and outer XSEdge's of 45 and 90 degrees.



SPACERS AND XTENSIONS

Art. 13405 / 13400 / 13410 (Spacers)

Art. 13415 / 13425 (XTensions)

Spacers are mostly used to create a Linked-Pro system. When the horizontal lifeline is not high enough, the XTension or spacer can be used to mount on the XSBending kit Pro to setup a higher system.



XSPPOINT

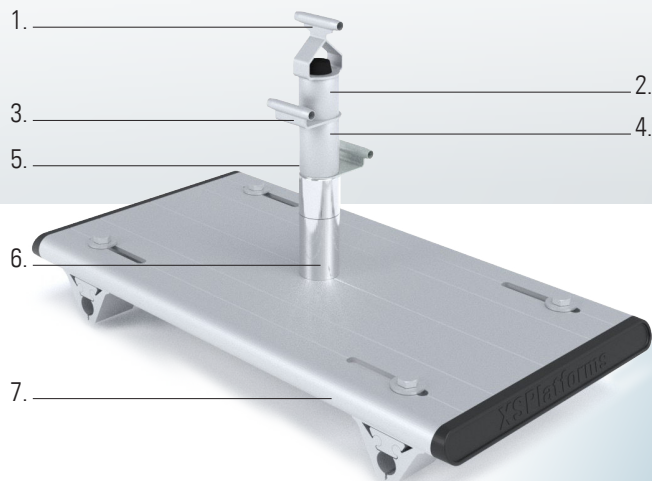
Art. 13321 / 13331

Further risk reduction can be achieved with the XSPoint and XSSlider Pro, these components make it impossible to disconnect the slider from the lifeline in an unsafe zone. This makes the safety provided by the lifeline system less dependent on its correct usage.

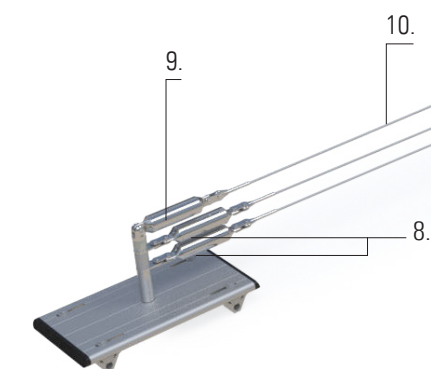


Note: Never install spacers and XTensions on a XSConnector Pro

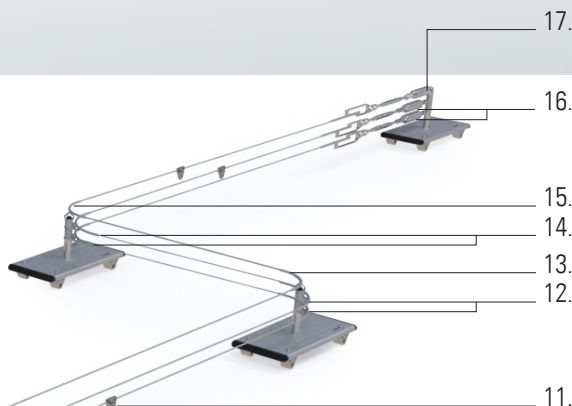
EXAMPLE OF A LINKEDPRO SYSTEM CONFIGURATION



1. XSIntermediate - Art. 12411
2. Spacer 50 - Art. 13400
3. XSIntermediate Pro - Art. 13351
4. Spacer 75 - Art. 13410
5. XSIntermediate Pro - Art. 13351



6. XSBending kit Pro - Art. 11311
7. XTrusion base plate - Art. 11705 / 11405
8. XSDynamic kit (clip) - Art. 14791
9. XSDynamic kit (hold) - Art. 14751
10. XSCable - Art. 13101
11. XSSlider Pro - Art. 12821
12. XSEdge 90° Pro (outer) - Art. 13391



13. XSEdge 90° - Art. 12611
14. XSEdge 90° Pro (Inner) - Art. 13381
15. XSEdge 90° - Art. 12611
16. XSDynamic kit XSPoint tensioner (clip) - Art. 14731
17. XSDynamic kit XSPoint tensioner (hold) - Art. 14741

SLIDERS IN GENERAL

A slider connected to a lanyard, connects a user's harness to the lifeline, following users as they move along the trajectory. XSPlatforms designed two sliders with each specific features.

XSSLIDER

Art. 12811

The XSSlider is designed to easily slide over the anchor points, even at the corners of the lifeline route. The XSSlider can be opened via an handle which makes the user able to detach/attach any time where they want to.



XSSLIDER PRO

Art. 12821

Just as the XSSlider, the XSSlider Pro is designed to slide easily over the anchor points and corners of the lifeline route. The difference is the rotating insert that is used to enter the lifeline system via an XSPoint. The XSPoint is situated at the start and end point of a lifeline trajectory and is ment to be used as a safe attach/detach location. The user can't attach/detach between these start and end points.



SPAN, CLEARANCES AND LOAD CALCULATIONS

HOW TO READ THE TABLES

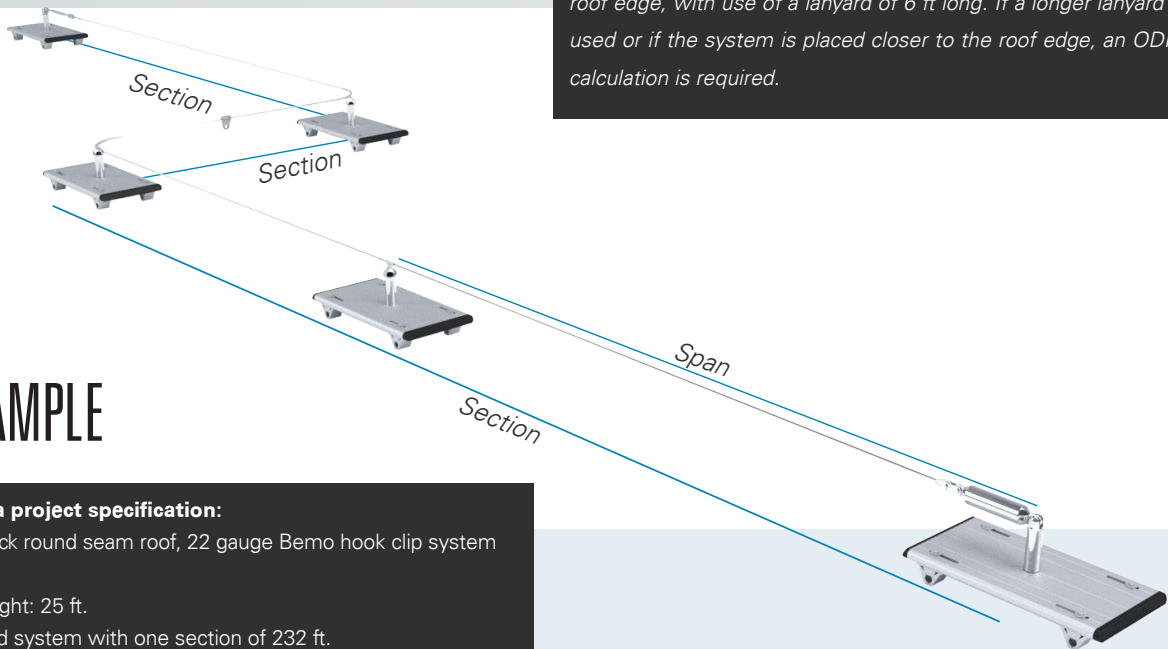
The tables on the following pages outline the system performance based on the three different fall arrest combinations

Maximum span in meters: This is the maximum distance between the anchor points, per section. A section is a part of an engineered system between a start and an end point, or between a start and a corner post (for example, an "L" shaped system will consist of two

sections). If you install a system with multiple corners, check the maximum span, and maximum clearance per section. This way, you can propose a system without making a complex ODIN calculation.

Required clearance in meters: The minimum required distance between the working level (for example the roof) and the lower level (the ground or another obstruction) for a safe fall.

Important: all clearances and load calculations are based on the assumption that a fall arrest system is placed 6 ft from the roof edge, with use of a lanyard of 6 ft long. If a longer lanyard is used or if the system is placed closer to the roof edge, an ODIN calculation is required.



FOR EXAMPLE

Example of a project specification:

- ✓ Steel deck round seam roof, 22 gauge Bemo hook clip system
- ✓ 2 users
- ✓ Roof height: 25 ft.
- ✓ XSLinked system with one section of 232 ft.

1. Check the table on the right page to compare the possible options:

- XSBending kit
- XSBending kit + XSDynamic
- XSConnector Pro + XSDynamic

2. Check the required clearances per option:

- **XTrusion plate with XSBending kit only:**
is not applicable.
- **XTrusion plate with XSBending kit + XSDynamic:**
the user needs a minimum clearance of 24'9"ft.
- **XTrusion plate with XSConnector Pro + XSDynamic:**
the user needs a minimum clearance of 22'4"ft.

3. When comparing the roof height with the required clearance, you can conclude that all two options are suitable for this situation.

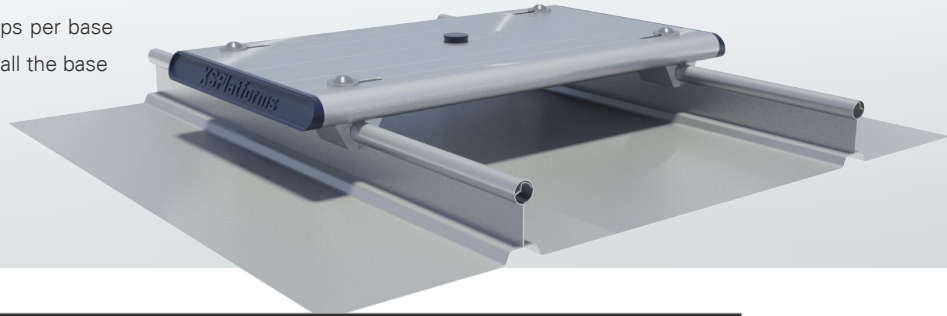
The max. span between anchor posts is 49 ft (for the option with XSBending kit and XSDynamic) or 40 ft (for the option with XSConnector and XSDynamic). The roof height is 25 ft and the clearances are, 24'9" and 22'4". You can choose between the solution with the lowest fall clearance or opt for the solution with a higher energy absorption. In both cases the user will not hit the ground in case of a fall.

**Cold roof: thermal insulation layer is located below the structural decking*

SPAN, CLEARANCES AND LOAD CALCULATIONS FOR THE XTRUSION

XTRUSION ON STEEL ROUND SEAM DECK OF MIN. 0.7 MM/22 GAUGE BEMO HOOK CLIP SYSTEM INSTALLED WITH XTRUSION FIX KIT ROUND SEAM

These anchor points are installed to aluminum roof panels with circular interlock geometry (round seam), with a minimum thickness of 0.7 mm (22 gauge), by means of the XTrusion base plate. In this case installation occurs with four aluminum round seam clamps per base plate. The use of this clamping method to install the base plates of the HLL eliminates the chance of damages, due to penetration/drilling, and the chance of leakages.



		MAX. SPAN IN FT PER SECTION							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		44	N/A	49	49	46	40	40	33
80 ft < L ≤ 160 ft		49	N/A	49	49	49	40	40	34
160 ft < L ≤ 240 ft		49	N/A	49	49	49	40	40	36
240 ft < L ≤ 400 ft		49	N/A	49	49	49	40	40	38
400 ft < L ≤ 820 ft		49	N/A	49	49	49	40	40	40

		REQ. CLEARANCE IN FT							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		18"	N/A	21'2"	24'7"	25'8"	19'	22'	22'1"
80 ft < L ≤ 160 ft		18'7"	N/A	21'2"	24'8"	26'3"	19'1"	22'2"	22'5"
160 ft < L ≤ 240 ft		18'9"	N/A	21'3"	24'9"	26'5"	19'2"	22'4"	22'11"
240 ft < L ≤ 400 ft		19'	N/A	21'4"	24'11"	26'7"	19'4"	22'6"	23'5"
400 ft < L ≤ 820 ft		19'1"	N/A	21'7"	25'5"	27'2"	19'4"	22'11"	24'2"

N/A = Not applicable

These values are calculated conform the ANSI Z359.6:2016 and OSHA 1926.502 standards

SPAN, CLEARANCES AND LOAD CALCULATIONS FOR THE XTRUSION

XTRUSION ON ALUMINIUM ROUND SEAM DECK OF MIN. 1 MM/18 GAUGE BEMO HOOK CLIP SYSTEM INSTALLED WITH XTRUSION FIX KIT ROUND SEAM

These anchor points are installed to aluminum roof panels with circular interlock geometry (round seam), with a minimum thickness of 1 mm (18 gauge), by means of the XTrusion base plate. In this case installation occurs with four aluminum round seam clamps per base plate. The use of this clamping method to install the base plates of the HLL eliminates the chance of damages, due to penetration/drilling, and the chance of leakages.



		MAX. SPAN IN FT PER SECTION							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		49	N/A	49	49	49	40	40	40
80 ft < L ≤ 160 ft		49	N/A	49	49	49	40	40	40
160 ft < L ≤ 240 ft		49	N/A	49	49	49	40	40	40
240 ft < L ≤ 400 ft		49	N/A	49	49	49	40	40	40
400 ft < L ≤ 820 ft		49	N/A	49	49	49	40	40	40

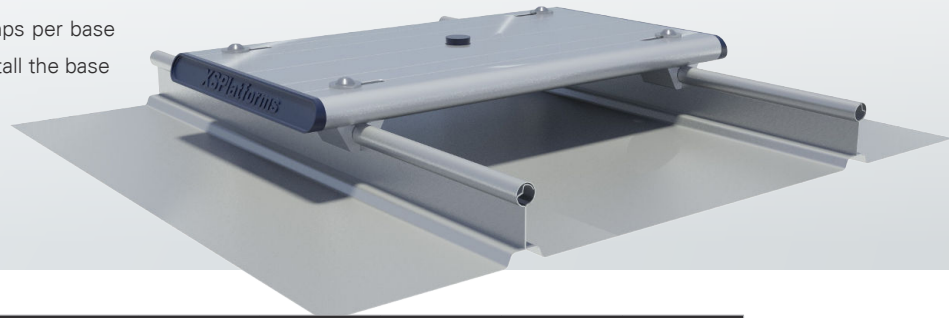
		REQ. CLEARANCE IN FT							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		18'3"	N/A	21'2"	24'7"	26'2"	19'	22'	23'4"
80 ft < L ≤ 160 ft		18'7"	N/A	21'2"	24'8"	26'3"	19'1"	22'2"	23'5"
160 ft < L ≤ 240 ft		18'9"	N/A	21'3"	24'9"	26'5"	19'2"	22'4"	23'8"
240 ft < L ≤ 400 ft		19'	N/A	21'4"	24'11"	26'7"	19'4"	22'6"	23'10"
400 ft < L ≤ 820 ft		19'1"	N/A	21'7"	25'5"	27'2"	19'4"	22'11"	24'2"

N/A = Not applicable

These values are calculated conform the ANSI Z359.6:2016 and OSHA 1926.502 standards

XTRUSION ON STEEL ROUND SEAM DECK OF MIN. 0,7 MM/22 GAUGE BEMO HALTER CLIPS INSTALLED WITH XTRUSION FIX KIT ROUND SEAM

These anchor points are installed to aluminum roof panels with circular interlock geometry (round seam), with a minimum thickness of 0.7 mm (22 gauge), by means of the XTrusion base plate. In this case installation occurs with four aluminum round seam clamps per base plate. The use of this clamping method to install the base plates of the HLL eliminates the chance of damages, due to penetration/drilling, and the chance of leakages.



		MAX. SPAN IN FT PER SECTION							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		28	N/A	49	28	N/A	40	N/A	N/A
80 ft < L ≤ 160 ft		34	N/A	49	30	N/A	40	N/A	N/A
160 ft < L ≤ 240 ft		40	N/A	49	32	N/A	40	N/A	N/A
240 ft < L ≤ 400 ft		46	N/A	49	32	N/A	40	N/A	N/A
400 ft < L ≤ 820 ft		49	N/A	49	34	N/A	40	N/A	N/A

		REQ. CLEARANCE IN FT							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		16'8"	N/A	21'2"	20'8"	N/A	19'	N/A	N/A
80 ft < L ≤ 160 ft		17'3"	N/A	21'2"	21'1"	N/A	19'1"	N/A	N/A
160 ft < L ≤ 240 ft		17'10"	N/A	21'3"	21'7"	N/A	19'2"	N/A	N/A
240 ft < L ≤ 400 ft		18'9"	N/A	21'4"	21'8"	N/A	19'4"	N/A	N/A
400 ft < L ≤ 820 ft		19'1"	N/A	21'7"	22'4"	N/A	19'4"	N/A	N/A

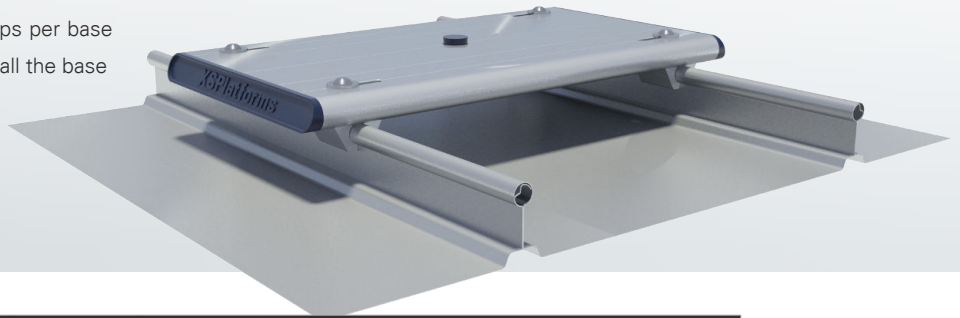
N/A = Not applicable

These values are calculated conform the ANSI Z359.6:2016 and OSHA 1926.502 standards

SPAN, CLEARANCES AND LOAD CALCULATIONS FOR THE XTRUSION

XTRUSION ON ALUMINIUM ROUND SEAM DECK OF MIN. 1 MM/18 GAUGE BEMO HALTER CLIPS INSTALLED WITH XTRUSION FIX KIT ROUND SEAM

These anchor points are installed to aluminum roof panels with circular interlock geometry (round seam), with a minimum thickness of 1 mm (18 gauge), by means of the XTrusion base plate. In this case installation occurs with four aluminum round seam clamps per base plate. The use of this clamping method to install the base plates of the HLL eliminates the chance of damages, due to penetration/drilling, and the chance of leakages.



		MAX. SPAN IN FT PER SECTION							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		30	N/A	49	40	N/A	40	28	N/A
80 ft < L ≤ 160 ft		36	N/A	49	40	N/A	40	28	N/A
160 ft < L ≤ 240 ft		49	N/A	49	42	N/A	40	30	N/A
240 ft < L ≤ 400 ft		49	N/A	49	44	N/A	40	32	N/A
400 ft < L ≤ 820 ft		49	N/A	49	46	N/A	40	32	N/A

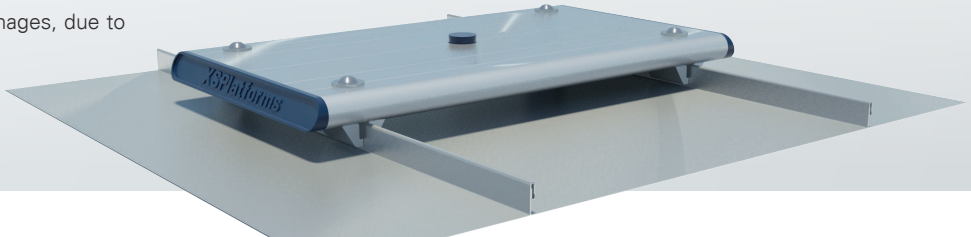
		REQ. CLEARANCE IN FT							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		16'11"	N/A	21'2"	23'	N/A	19'	19'11"	N/A
80 ft < L ≤ 160 ft		17'6"	N/A	21'2"	23'1"	N/A	19'1"	20'	N/A
160 ft < L ≤ 240 ft		18'9"	N/A	21'3"	23'7"	N/A	19'2"	20'5"	N/A
240 ft < L ≤ 400 ft		19'	N/A	21'4"	23'11"	N/A	19'4"	21'	N/A
400 ft < L ≤ 820 ft		19'1"	N/A	21'7"	24'10"	N/A	19'4"	21'4"	N/A

N/A = Not applicable

These values are calculated conform the ANSI Z359.6:2016 and OSHA 1926.502 standards

XTRUSION ON ZINC STANDING DOUBLE FOLD DECK OF MIN. 1,0 MM (15 GAUGE) INSTALLED WITH XTRUSION FIX KIT DOUBLE FOLD

These anchor points are installed to zinc roof panels with double fold flat interlock geometry (double fold seam) with a minimum thickness of 1 mm (15 gauge), by means of the aluminum XTrusion base plate. In this case installation occurs with four aluminum double fold seam clamps per base plate. The use of this clamping method to install the base plates of the HLL eliminates the chance of damages, due to penetration/drilling, and the chance of leakages.



Type of the absorber/ no. of users	MAX. SPAN IN FT PER SECTION								
	XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic			
Per section	1	2	1	2	3	1	2	3	
$L \leq 80$ ft	34	N/A	49	49	N/A	40	30	N/A	
$80 \text{ ft} < L \leq 160$ ft	40	N/A	49	49	N/A	40	32	N/A	
$160 \text{ ft} < L \leq 240$ ft	49	N/A	49	49	N/A	40	32	N/A	
$240 \text{ ft} < L \leq 400$ ft	49	N/A	49	49	N/A	40	34	N/A	
$400 \text{ ft} < L \leq 820$ ft	49	N/A	49	49	N/A	40	36	N/A	

Type of the absorber/ no. of users	REQ. CLEARANCE IN FT								
	XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic			
Per section	1	2	1	2	3	1	2	3	
$L \leq 80$ ft	17'3"	N/A	21'2"	24'7"	N/A	19'	20'3"	N/A	
$80 \text{ ft} < L \leq 160$ ft	17'9"	N/A	21'2"	24'8"	N/A	19'1"	20'9"	N/A	
$160 \text{ ft} < L \leq 240$ ft	18'9"	N/A	21'3"	24'9"	N/A	19'2"	20'10"	N/A	
$240 \text{ ft} < L \leq 400$ ft	19'	N/A	21'4"	24'11"	N/A	19'4"	21'5"	N/A	
$400 \text{ ft} < L \leq 820$ ft	19'1"	N/A	21'7"	25'5"	N/A	19'4"	22'2"	N/A	

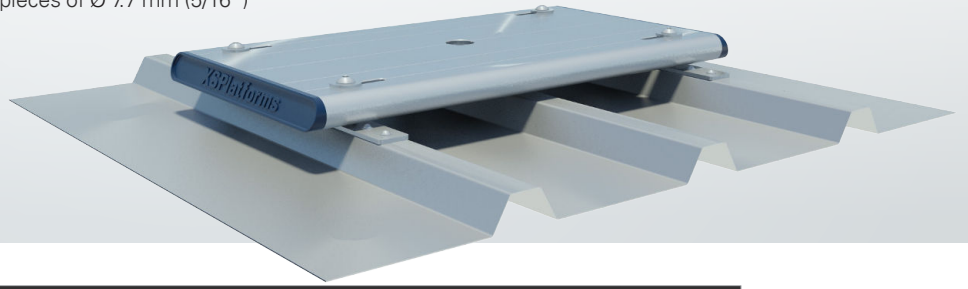
N/A = Not applicable

These values are calculated conform the ANSI Z359.6:2016 and OSHA 1926.502 standards

SPAN, CLEARANCES AND LOAD CALCULATIONS FOR THE XSMO

XTRUSION ON TRAPEZOIDAL COLD ROOF PROFILES OF MIN. 0.63 MM (24 GAUGE) WITHOUT INSULATION INSTALLED WITH BUILT-UP-ON-SITE KIT

These anchor points are installed to steel trapezoidal cold roof plates, with a minimum thickness of 0.63 mm (24 gauge), by means of the XTrusion base plate. Installation of one XTrusion base plate occurs with four XTrusion Build-up-on-site kits and sixteen pieces of Ø 7.7 mm (5/16") bulb-tite rivets.



		MAX. SPAN IN FT PER SECTION							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		49	42	49	49	49	40	40	40
80 ft < L ≤ 160 ft		49	49	49	49	49	40	40	40
160 ft < L ≤ 400 ft		49	49	49	49	49	40	40	40
400 ft < L ≤ 820 ft		49	49	49	49	49	40	40	40

		REQ. CLEARANCE IN FT							
Type of the absorber / no. of users		XSBending kit Pro		XSBending kit Pro + XSDynamic			XSConnector Pro + XSDynamic		
Per section		1	2	1	2	3	1	2	3
L ≤ 80 ft		18'3"	18'8"	21'2"	21'2"	26'	19'	22'	23'4"
80 ft < L ≤ 160 ft		18'7"	19'7"	21'2"	21'2"	26'3"	19'1"	22'2"	23'5"
160 ft < L ≤ 400 ft		19'	20'8"	21'4"	21'4"	26'7"	19'4"	22'6"	23'10"
400 ft < L ≤ 820 ft		19'1"	21'7"	21'7"	21'7"	27'2"	19'7"	22'11"	24'2"

N/A = Not applicable

These values are calculated conform the ANSI Z359.6:2016 and OSHA 1926.502 standards

SINGLE ANCHOR POINTS AND ENGINEERED SYSTEMS

SUBMITTAL DOCUMENTATION • TECHNICAL SPECIFICATION SHEETS



FALL PROTECTION SYSTEMS:

- › SINGLE ANCHOR POINTS
- › HORIZONTAL LIFELINE SYSTEMS



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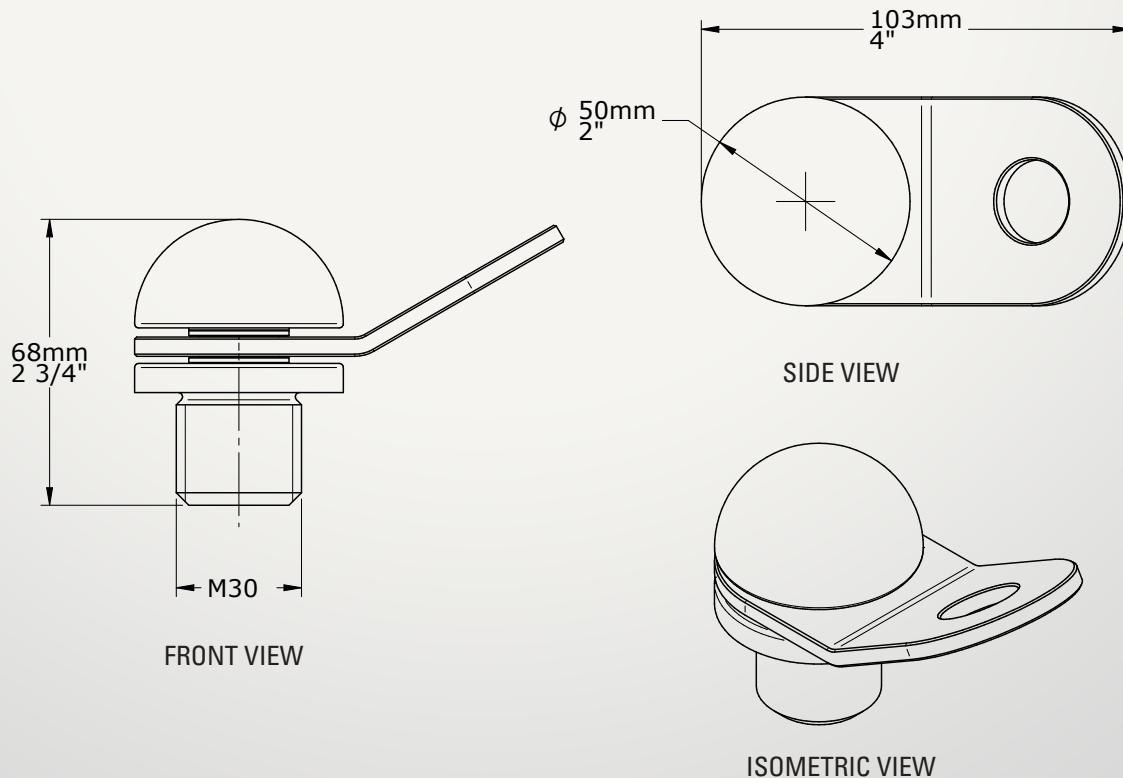
Art. : XSGlobe eye M30

Version: No.3 - 3/5/2024

Art. no. : 11211

Description

The XSGlobe eye M30 is installed as a single anchor point and can be used as a fall arrest or fall restraint anchor point, or for positioning. It is directly mounted on to an XSPlatforms base. The XSGlobe eye M30 can rotate 360°, providing maximum freedom of movement. The XSGlobe eye M30 can also be used as an anti-pendulum anchor.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions (inch)	Weight (lbs)
11211	AISI 316 Bronze	PA 103 x 50 x 68 mm (4" x 2" x 2 3/4")	0.5 kg (1.1 lbs)

COMPATIBILITY & WARNINGS

1. The XSGlobe eye M30 is installed on the XSBase plate, XSMD or XTrusion, and used as a single anchor point for roofs.
2. The XSGlobe eye M30 is directly mounted on to the base by means of a M30 thread.
3. The XSGlobe eye M30 anchor point is suitable for use by 2 persons at a time in accordance with CEN/TS 16415.
4. Do not use the XSGlobe eye M30 for hoisting, resting or lifting purposes.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

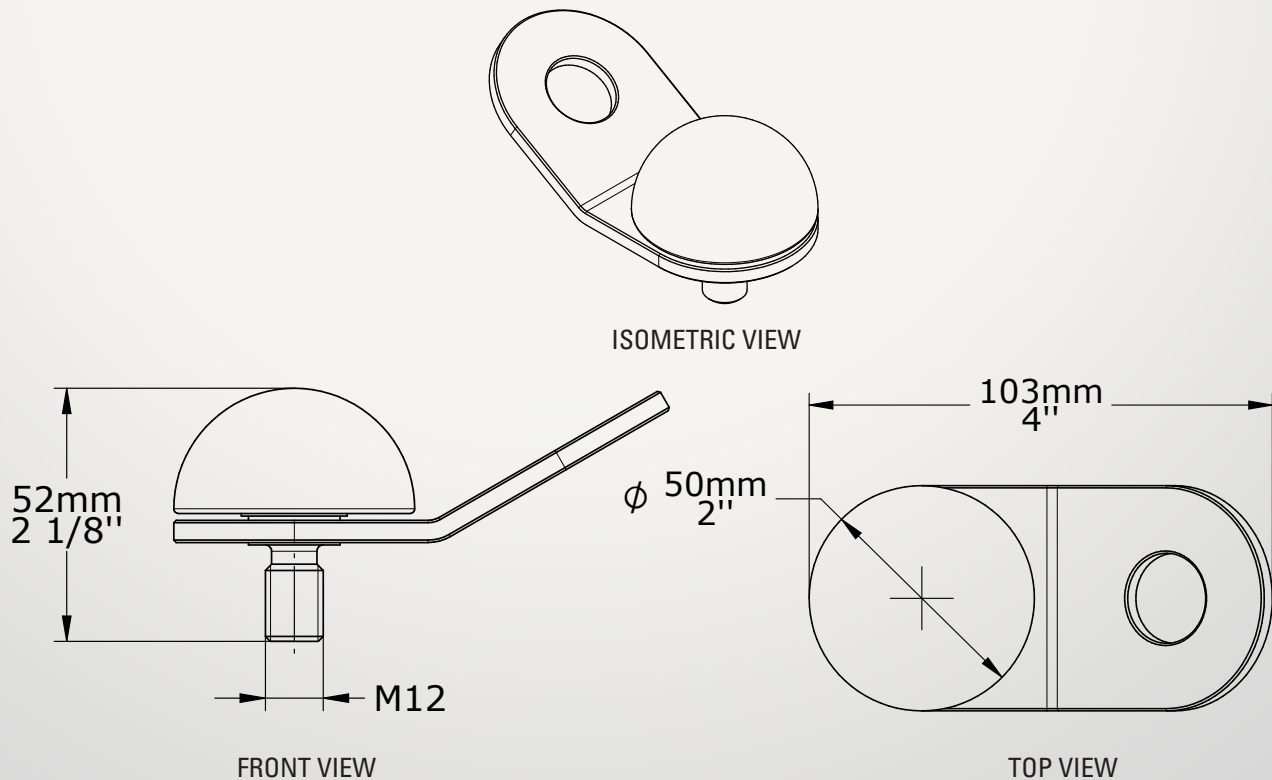
Art. : XSSafety eye M12

Version: No.3 - 3/5/2024

Art. no. : 11261

Description

The XSSafety eye M12 is installed as a single anchor point for roof, wall or overhead, and can be used as a fall arrest or fall restraint anchor point, or for positioning. It is directly mounted on an XSBending kit Pro or an XSBase plate wall/overhead. The XSSafety eye can rotate 360°, providing maximum freedom of movement.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
11261	AISI 316 AISI431 PA	103 x 50 x 52 mm (4" x 2" x 2 1/8")	0.3 kg (0.6 lbs)

COMPATIBILITY & WARNINGS

1. The XSSafety eye M12 is directly mounted on an XSBending kit Pro or an XSBase plate wall/overhead by means of a M12 thread.
2. When used as a single anchor point in accordance with CEN/TS 16415, the XSGlobe eye M12 is suitable for two users at a time.
3. Do not use the XSSafety eye M12 for hoisting, resting or lifting purposes.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A & CEN/TS 16415:2013 type A
2. OSHA 1910 subpart I & 1926 subpart M
3. ANSI Z359.6
4. CSA Z259.16
5. AS/NSZ 5532

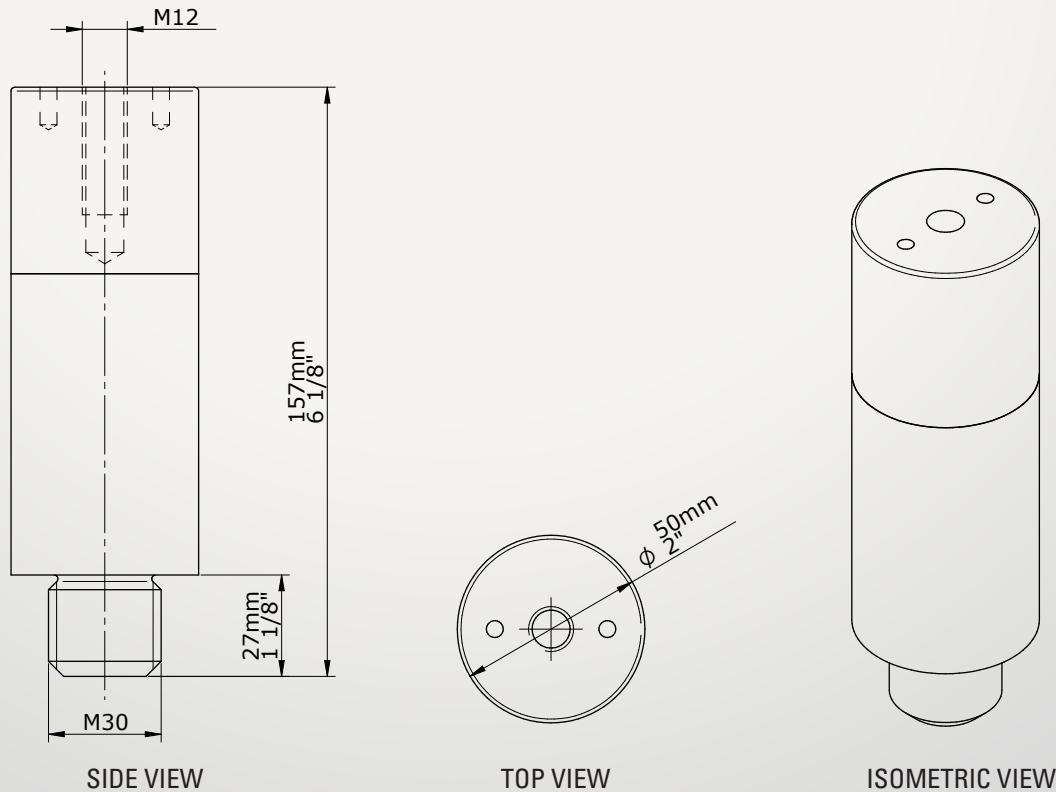
Art. : XSBending kit Pro

Version: No.4 - 3/5/2024

Art. no. : 11311

Description

The XSBending kit Pro can be used in both XSLinked and LinkedPro horizontal lifeline systems. It forms the interface between a base plate (such as the XSBase plate), and a bracket (such as an XSIntermediate). The XSBending kit Pro is designed to absorb the energy that is released when a fall occurs. The absorption of this product reduces the load exerted on the user's body and the roof structure.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
11311	AISI 316 Anodised aluminium	157 x 50mm (6 1/8" x 2")	1.2 kg (2.7 lbs)

COMPATIBILITY & WARNINGS

1. Is installed on XSBase plate, XSMD or XTrusion, and can be used in an XSLinked or LinkedPro horizontal lifeline system.
2. Use the XSKey to tighten the XSBending kit Pro on top of the XSBase plate, XSMD or XTrusion.
3. Do not use the XSBending kit Pro as a support for hoisting, resting or lifting purposes.
4. If used for horizontal lifeline systems; please refer to the ODIN lifeline calculation tool for the maximum number of users allowed.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A/C & CEN/TS 16415:2013 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NZS 1891.2 & AS/NSZ 5532

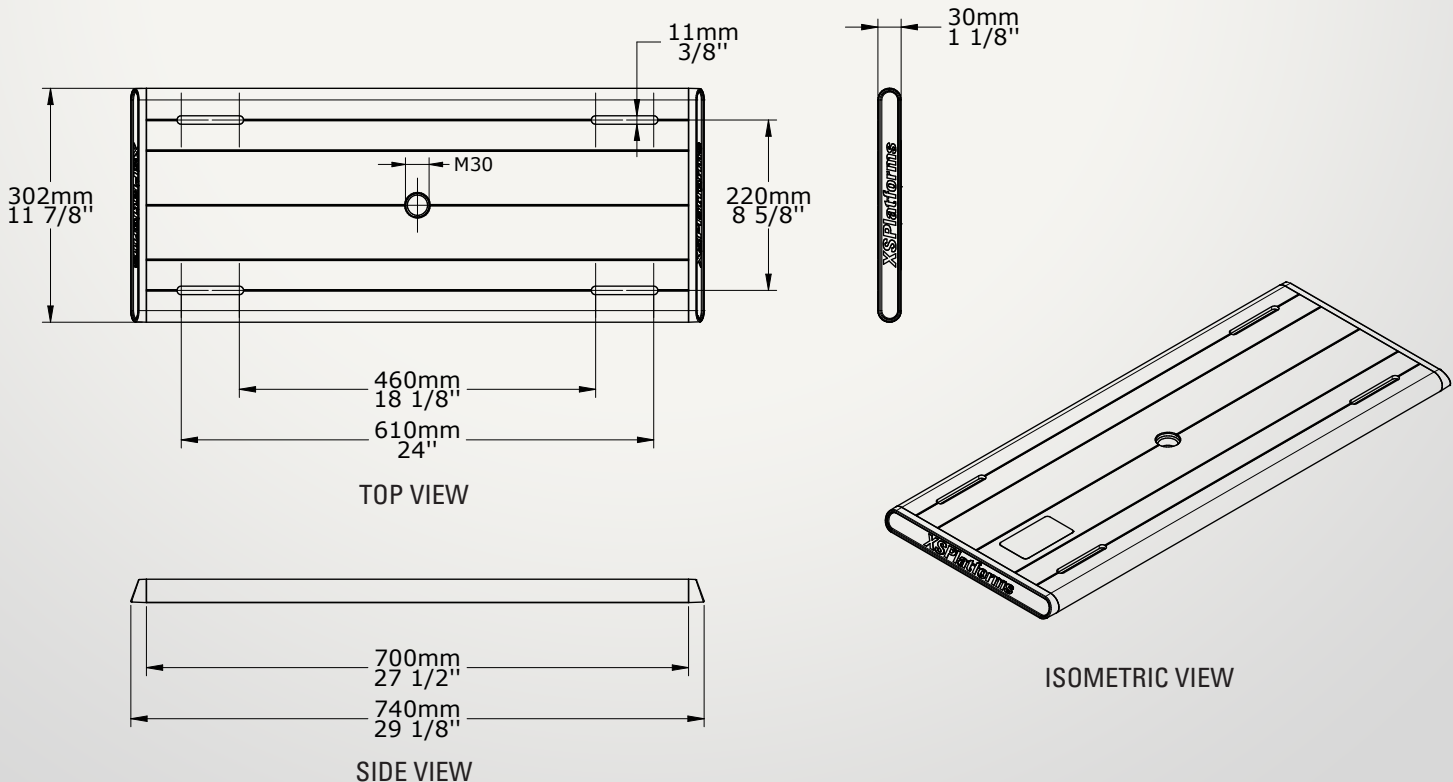
Art. : XTrusion 700

Version: No.3 - 3/5/2024

Art. no. : 11405

Description

The XTrusion 700 can be used as a single anchor point, or as an anchor for a horizontal lifeline system such as an XSLinked or LinkedPro system. The XTrusion is designed to create a fall arrest or fall restraint system, to provide safety for work on (steel) standing seam roofs and trapezoidal steel roofs without insulation.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
11405	AISI 316 Anodised aluminum ASA	740 x 302 x 30 mm (29 1/8" x 11 7/8" x 1 1/8")	4.6 kg (10.1 lbs)

COMPATIBILITY & WARNINGS

- The XTrusion 700 can be installed on:
 - aluminum round standing seam roof min. 0,9 mm (19 gauge) such as Aluform FalzRipp and Corus Kalzip
 - steel round standing seam roof min. 0,75 mm (22 gauge) such as BEMO,
 - zinc double lock standing seam roof min. 1 mm (15 gauge) such as Corus Falzinc,
 - trapezoidal cold steel roof min. 0,63 mm (24 gauge) such as SAB 45KD/1000
- The XTrusion 700 covers standing seam distances from 460 mm to 610 mm (18 1/8" to 24").
- Do not use the XTrusion as a support for hoisting and lifting purposes.
- When used as a single anchor point in accordance with CEN/TS 16415, the XTrusion 700 is suitable for two users at a time.
- If used for horizontal lifeline systems please refer to the ODIN lifeline calculation tool for the maximum number of users allowed.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

- EN795:2012 type A/C & CEN/TS 16415:2013 type C
- OSHA 1910.66 App C & 1926 Sub M
- ANSI Z359
- CSA Z259
- AS/NZS 1891.2 & AS/NSZ 5532

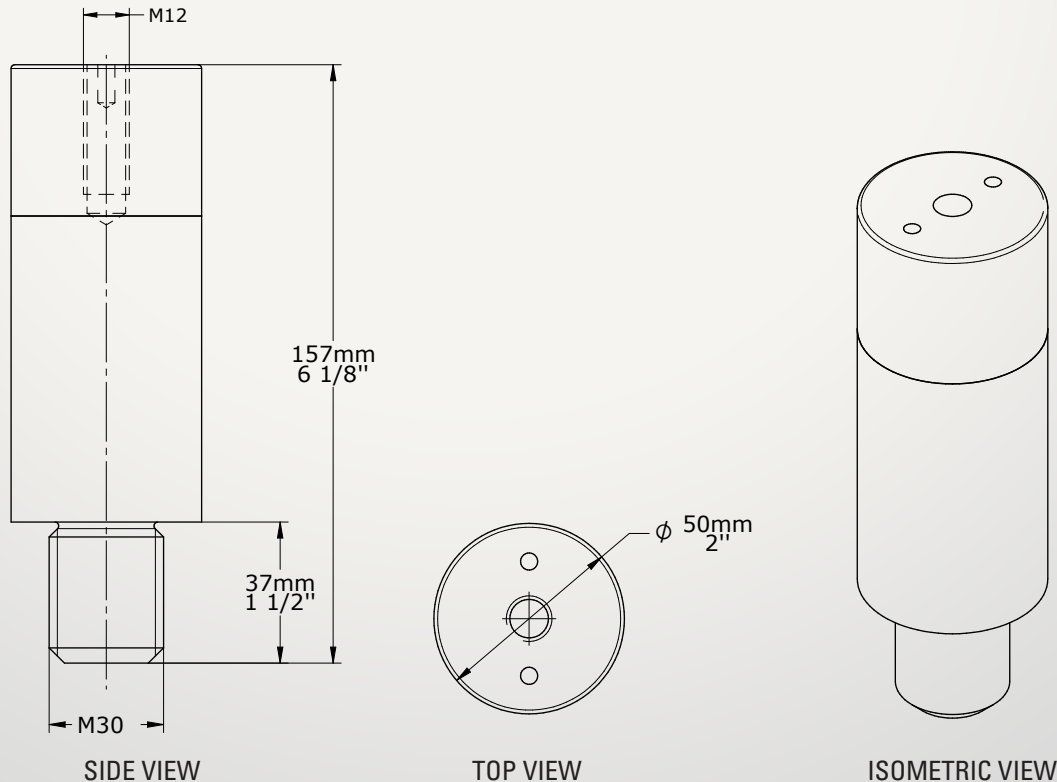
Art. : XSBending kit RAP

Version: No.3 - 3/5/2024

Art. no. : 11611

Description

The XSBending kit RAP can be installed on both XSLinked and LinekdPro horizontal lifeline systems. It forms the interface between a base plate (such as the XSBase plate), and a brackets (such as an XSIntermediate). The XSBending kit RAP is designed to absorb the energy that is released when a fall occurs. The absorption of this product reduces the load exerted on the user's body and the roof structure. Additionally, a RAP can be mounted to it, as an anchor point for abseiling (on rigid structures such as concrete and hollow concrete roofs), or work positioning on a sloped roof.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
11611	AISI 316 Anodised aluminium	157x50x50 mm (6 1/8"x2"x2")	1.1 kg (2.5 lbs)

COMPATIBILITY & WARNINGS

1. The XSBending kit RAP is installed on XSBase plate, XSMD or XTrusion, and used with a XSLinked or LinkedPro horizontal lifeline system for roofs.
2. Use the XSKey to tighten the XSBending kit RAP on top of the XSBase plate, XSMD or XTrusion.
3. Do not use the XSBending kit RAP or the RAP as a support for hoisting, resting or lifting purposes.
4. If used for horizontal lifeline systems please refer to the ODIN lifeline calculation tool for the maximum number of users allowed.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

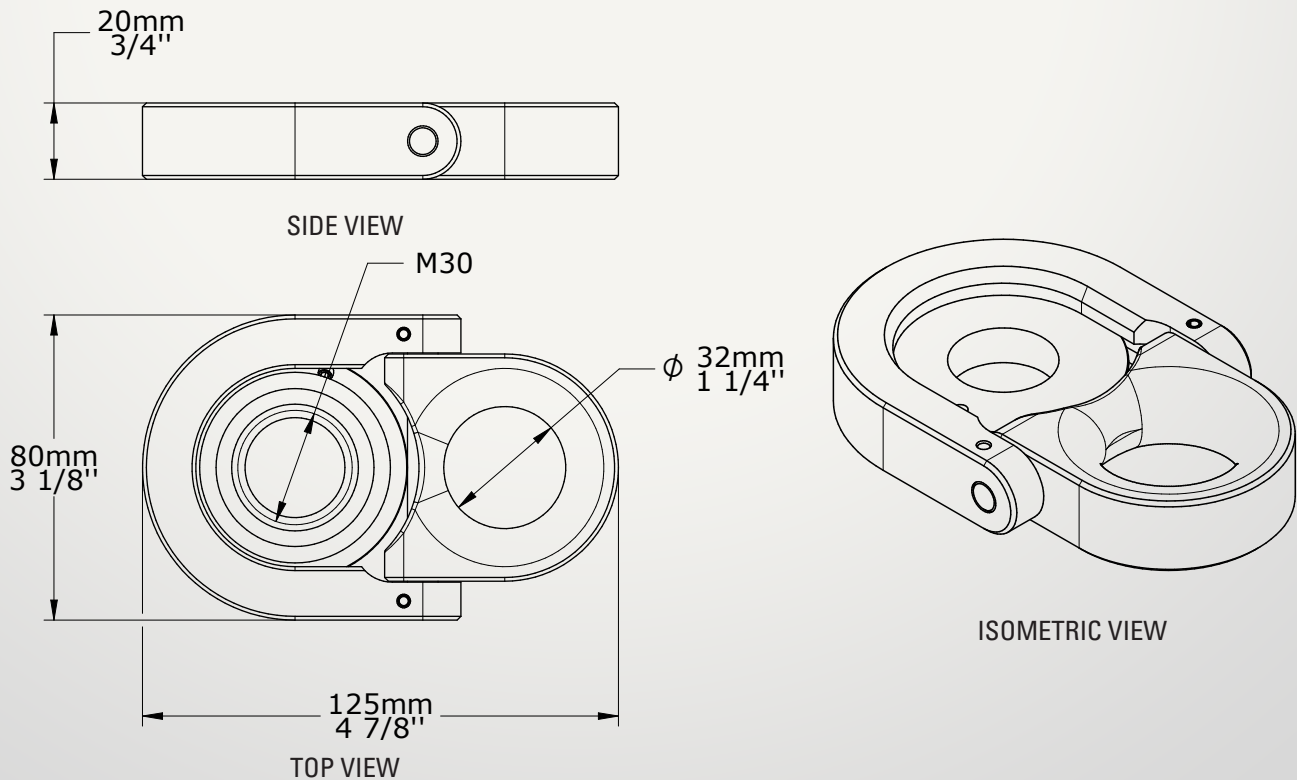
1. EN795:2012 type A/C & CEN/TS 16415:2013 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NZS 1891.2 & AS/NSZ 5532

Art. : RAP
Art. no. : 11651

Version: No.3 - 3/5/2024

Description

The RAP (Rotating Anchor Point or Rope Access Point) is an anchor point that can be mounted on the XSBase plate, XSMD or XTrusion, and used with a horizontal lifeline system using XSBending kit RAP. The RAP can serve as an anchor point for abseiling (on rigid structures such as concrete and hollow concrete roofs), or for work positioning on sloped roofs.



COMPONENT SPECIFICATIONS

Art. no.	Material				Dimensions mm (inch)	Weight in kg (lbs)
11651	Anodised aluminum	AISI 316	AISI 431	Bronze 2.1090	125x80x20 mm (4 7/8"x3 1/8"x3/4")	0.4 kg (0.9 lbs)

COMPATIBILITY & WARNINGS

1. The RAP can only be mounted in combination with the XSBending kit RAP (with extended M30 thread).
2. The RAP is suitable for use by 1 person at a time.
3. The RAP can rotate 360°. The connection eye can swivel up or down up to a 30° angle.
4. It's only allowed to use the RAP as a Rope Access Point if it is installed on concrete or hollow-core concrete roofs.
5. Do not use the RAP for hoisting, resting or lifting purposes.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

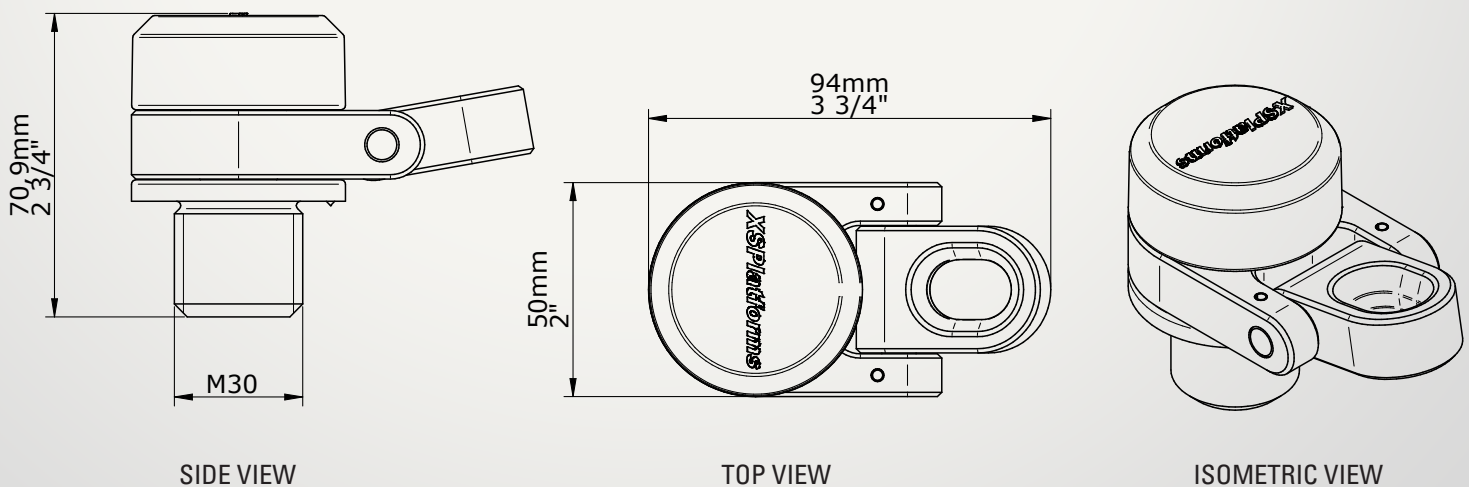
Art. : RAP Globe eye

Version: No.3 - 3/5/2024

Art. no. : 11661

Description

The RAP Globe eye is installed as a single anchor point and can be used as a fall arrest or fall restraint anchor point, for positioning, or for rope access activities (on rigid structures such as concrete and hollow concrete roofs). It is directly mounted onto an XSPlatforms base plate. The RAP Globe eye can rotate 360°, providing a maximum freedom of movement. The connection eye can also swivel up or down to an angle of 165°.



COMPONENT SPECIFICATIONS

Art. no.	Materials	Dimensions mm (inch)	Weight in kg (lbs)
11661	Anodised aluminium AISI 316	94 x 71 x 50 mm (3 3/4" x 2 3/4" x 2")	0.5 kg (1.1 lbs)

COMPATIBILITY & WARNINGS

1. The RAP Globe eye is installed on XSBase plate, XSMD or XTrusion, and used as a single anchor point for roofs.
2. The RAP Globe eye is directly mounted on the base plate by means of M30 thread.
3. The RAP Globe eye is suitable for use by 1 person at a time.
4. It's only allowed to use the RAP Globe eye as a rope access point if it is installed on concrete or hollow-core concrete roofs.
5. Do not use the RAP Globe eye for hoisting, resting or lifting purposes.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

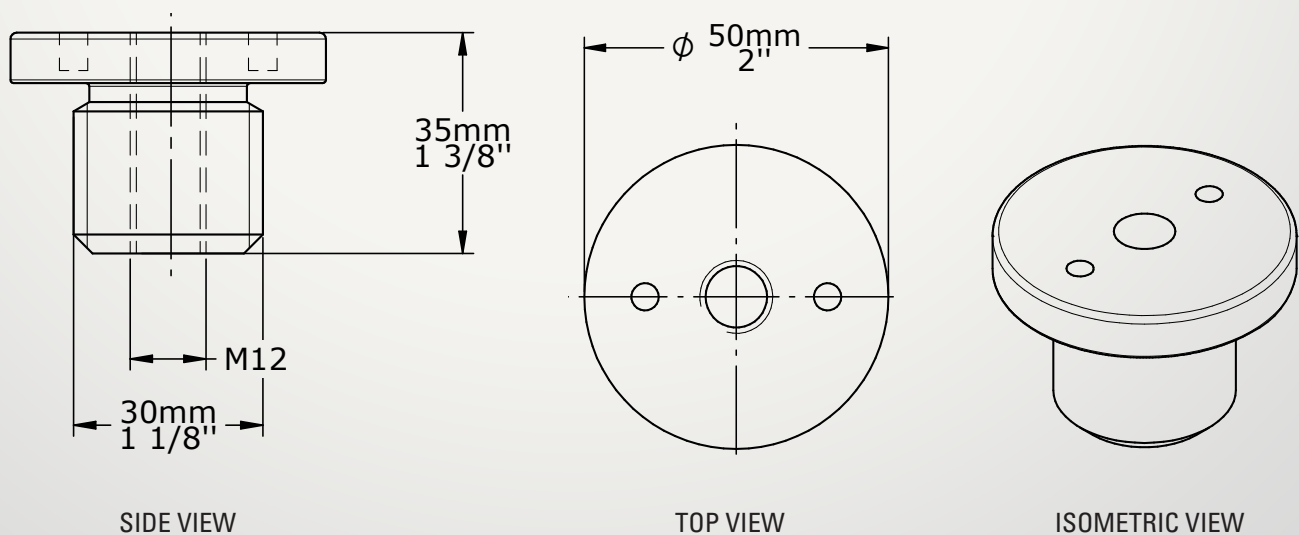
Art. : XSConnector

Version: No.3 - 3/5/2024

Art. no. : 11663

Description

The XSConnector can be installed directly onto the XSBase plate and form the base of a horizontal lifeline system. This component creates the possibility to install XSIntermediates directly onto the roof anchors, without an XSBending kit Pro. Since this setup has no energy absorption included, an XSDynamic must always be installed in the system.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
11663	AISI 316	Passivated	50x50x35 mm (2"x2"x1 3/8")	0,25 kg (0,5 lbs)

COMPATIBILITY & WARNINGS

1. The XSConnector is used with horizontal lifeline systems for roof - installed on XSBase plate, XSMD or XTrusion.
2. Use the XSKey to tighten the XSConnector on the XSBase plate, XSMD or XTrusion, max. torque of 15Nm.
3. Do not use the XSConnector as a support for hoisting, resting or lifting purposes.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C
2. OSHA 1910.66 App C
3. OSHA 1926 Sub M
4. ANSI Z359.6-2009
5. CSA Z259.16-04
6. AS/NZS 1891.2.

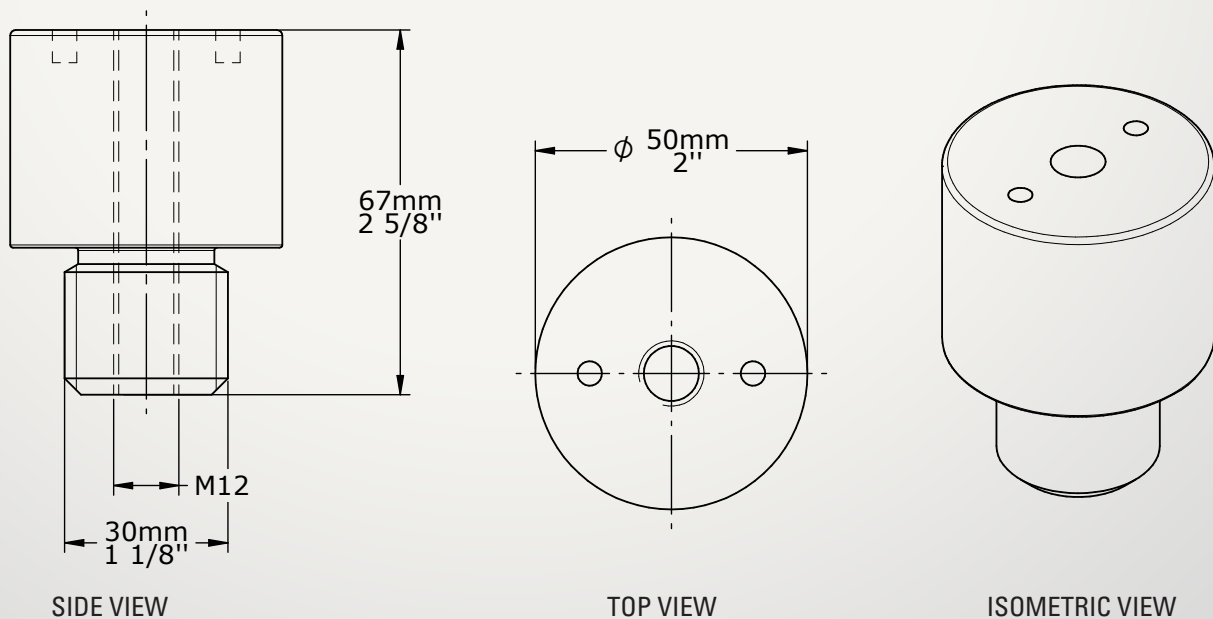
Art. : XSConnector Pro

Version: No.4 - 3/5/2024

Art. no. : 11665

Description

The XSConnector Pro can be installed directly onto one of XSPlatforms base plates and form the base of a horizontal lifeline system. This component creates the possibility to install XSIntermediates directly onto the roof anchors, without an XSBending kit Pro. Since this setup has no energy absorption included, an XSDynamic must always be installed in the system.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
11665	AISI 316	Passivated	50 mm x 67 mm (2" x 2 5/8")	0,73 kg (1.6 lbs)

COMPATIBILITY & WARNINGS

1. The XSConnector Pro is used with horizontal lifeline systems for roof - installed on XSBase plate, XSMD or XTrusion.
2. Use the XSKey to tighten the XSConnector Pro on the XSBase plate, XSMD or XTrusion, max. torque of 15Nm.
3. Do not use the XSConnector Pro as a support for hoisting, resting or lifting purposes.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C & CEN/TS 16415:2013 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359.6
4. CSA Z259.16
5. AS/NSZ 1891.2

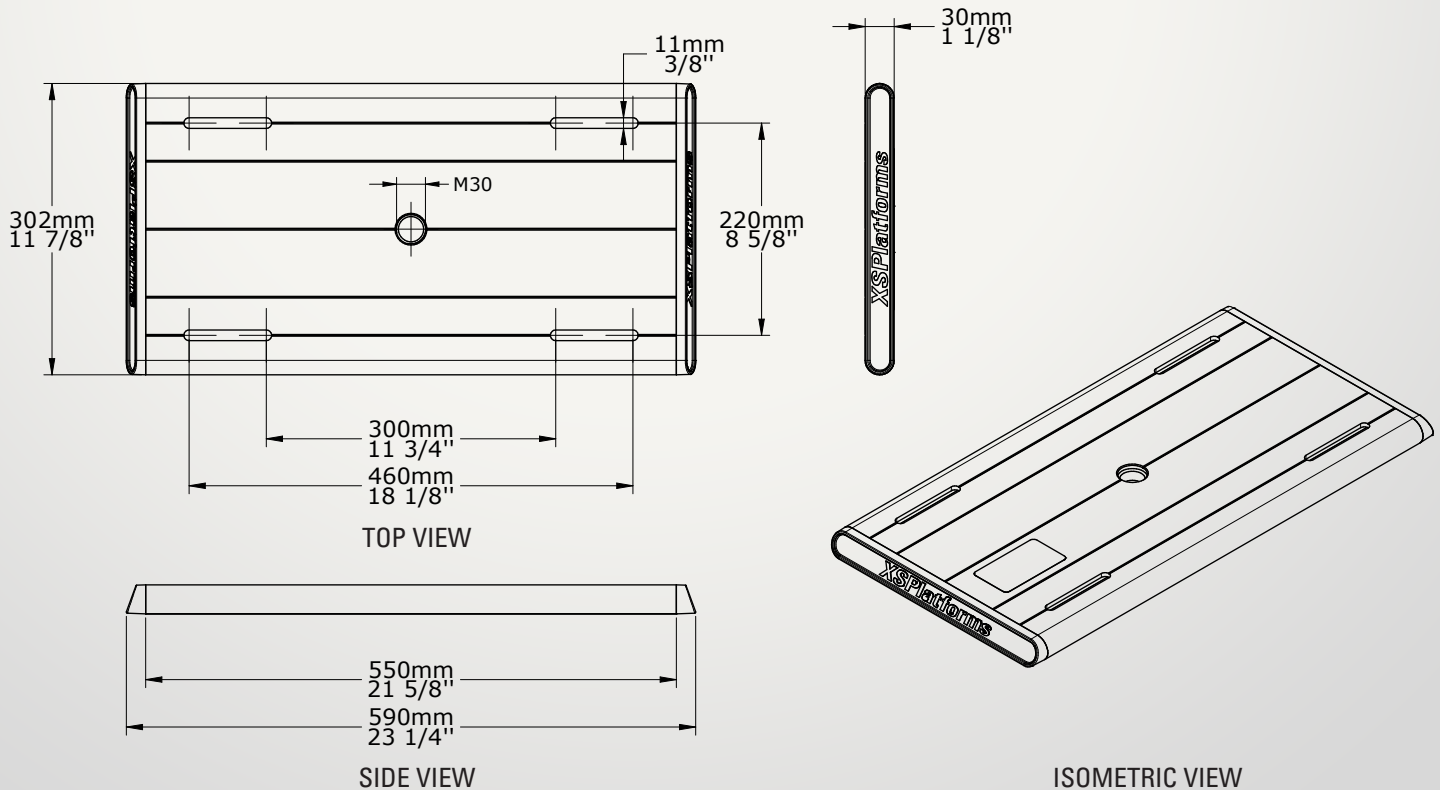
Art. : XTrusion 550

Version: No.3 - 3/5/2024

Art. no. : 11705

Description

The XTrusion 550 can be used as a single anchor point, or as an anchor for a horizontal lifeline system such as an XSLinked or LinkedPro system. The XTrusion is designed to create a fall arrest or fall restraint system, to provide safety for work on steel standing seam roofs or trapezoidal steel roofs without insulation.



COMPONENT SPECIFICATIONS

Art. no.	Materials	Dimensions mm (inch)	Weight in kg (lbs)
11705	AISI 316 Anodised aluminium ASA	590x302x30 mm (23 1/4" x 11 7/8" x 1 1/8")	3.7 kg (8 lbs)

COMPATIBILITY & WARNINGS

- XTrusion 550 can be installed on:
 - aluminum round standing seam roof min. 0,9 mm (19 gauge) such as Aluform FalzRipp and Corus Kalzip
 - steel round standing seam roof min. 0,75 mm (22 gauge) such as BEMO,
 - zinc double lock standing seam roof min. 1 mm (15 gauge) such as Corus Falzinc,
 - trapezoidal cold steel roof min. 0,63 mm (24 gauge) such as SAB 45KD/1000
- The XTrusion 550 covers standing seam/rib distances from 300 mm to 460 mm (11 13/16" to 18 1/8").
- Do not use the XTrusion as a support for hoisting and lifting purposes.
- When used as a single anchor point in accordance with CEN/TS 16415, the XTrusion 550 is suitable for two users at a time.
- If used for horizontal lifeline systems; please refer to the ODIN lifeline calculation tool for the maximum number of users allowed.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

- EN795:2012 type A/C & CEN/TS 16415:2013 type C
- OSHA 1910.66 App C & 1926 Sub M
- ANSI Z359
- CSA Z259
- AS/NZS 1891.2 & AS/NSZ 5532

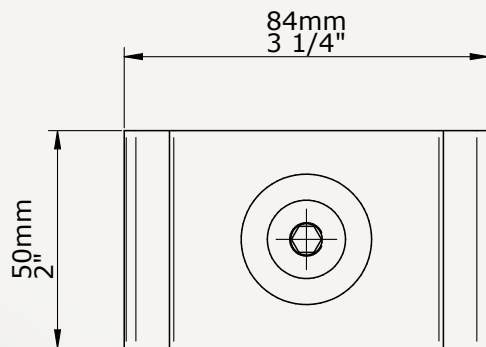
Art. : Round seam clamp

Version: No.3 - 3/5/2024

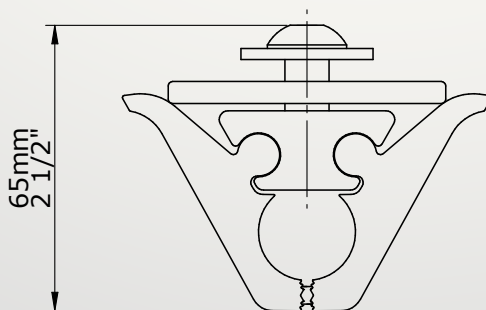
Art. no. : 11780

Description

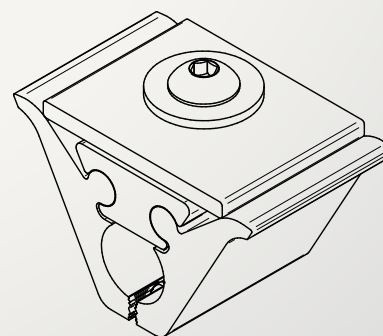
The Round seam clamp (four units per kit) is used to fix the XTrusion base to aluminium standing round seam profiles with a minimum thickness of 0.9 mm (20 gauge) or steel round standing seam roof min. 0.75 mm (22 gauge).



TOP VIEW



SIDE VIEW



ISOMETRIC VIEW

COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
11780	Anodised aluminum	84x50x65 mm (3 1/4" x 2" x 2 1/2")	0.3 kg (0.6 lbs)

COMPATIBILITY & WARNINGS

1. Example of a compatible roof profile: Corus Kalzip or Aluform Interfalz.
2. Used in combination with art. 11405/11705 - XTrusion.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

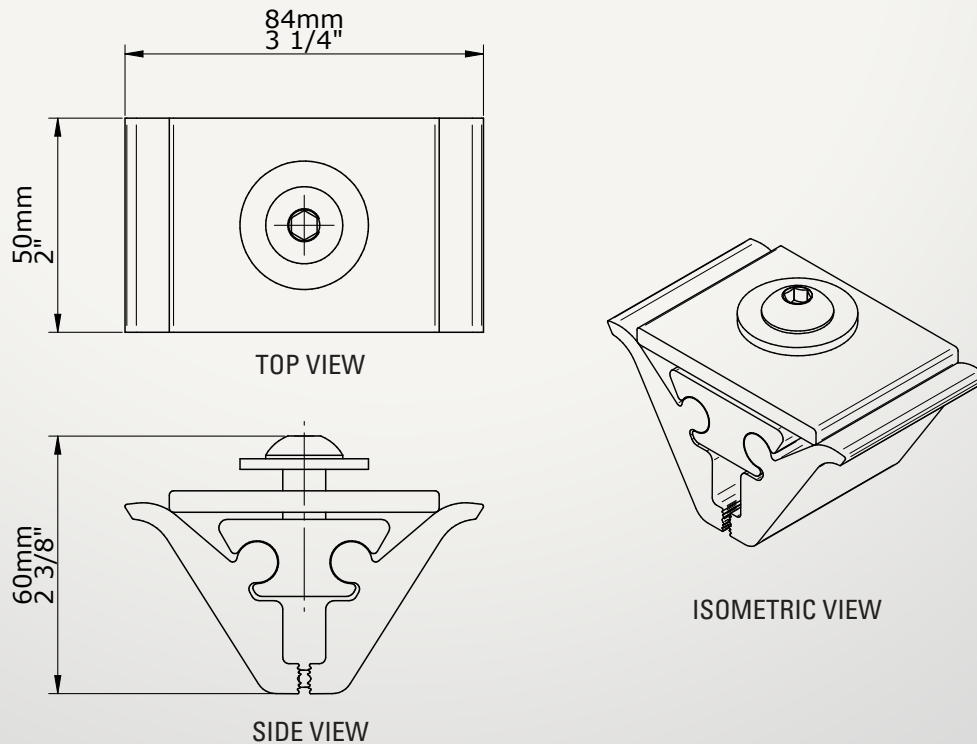
Art. : Double fold seam clamp

Version: No.3 - 3/5/2024

Art. no. : 11781

Description

The Double fold seam clamp (4 units per kit) is used to fix the XTrusion base to zinc double folded standing seam roof profiles with a minimum thickness of 1 mm (15 gauge).



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
11781	Anodised aluminium	84x50x60 mm (3 1/4"x2"x2 3/8")	0.3 kg (0.6 lbs)

COMPATIBILITY & WARNINGS

1. Example of a compatible roof profile: Rheinzink (2 gauge).
2. Used in combination with art. 11405/11705 - XTrusion.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

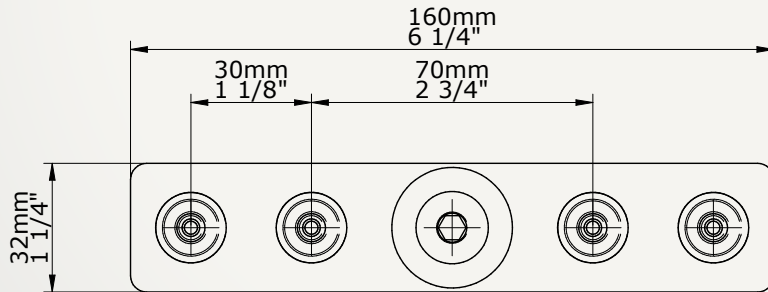
Art. : Built-up-on-site kit

Version: No.3 - 3/5/2024

Art. no. : 11784

Description

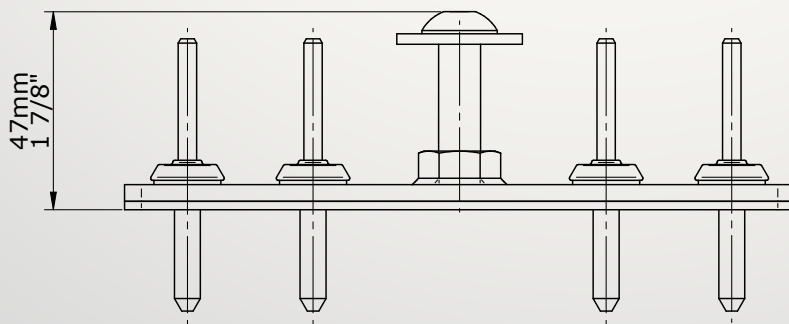
The Built-up-on-site kit (4 units per kit) is used to fix the XTrusion base to trapezoidal cold roofs with a minimum thickness of 0.6 mm (24 gauge).



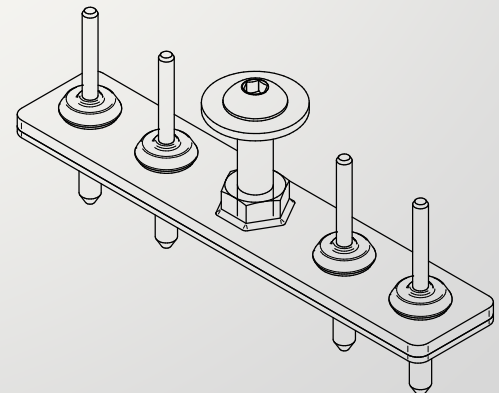
TOP VIEW



BULB-TITE RIVETS



SIDE VIEW



ISOMETRIC VIEW

COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
11784	AISI 316	Passivated	160x32x47 mm (6 1/4"x1 1/4"x1 7/8")	0.3 kg (0.6 lbs)

COMPATIBILITY & WARNINGS

1. Installed with four Ø 7,7 (5/16") aluminium bulb-tite rivets (15090) per unit and self-adhesive gaskets for waterproofing.
2. Used in combination with art. 11405/11705 - XTrusion.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A & C
2. OSHA 1910.66 App C
3. OSHA 1926 Sub M
4. ANSI Z259.1-2007 & ANSI Z359.6-2009
5. CSA Z259.16-04
6. AS/NZS 1891.2. & AS/NZS 5532

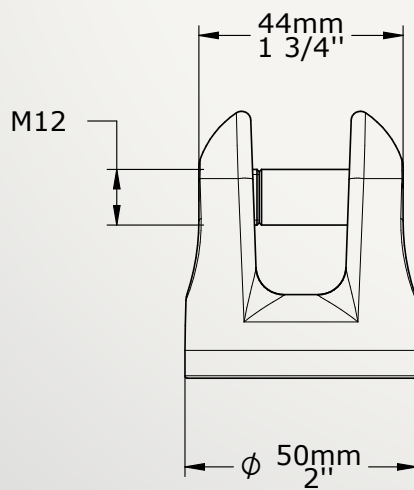
Art. : XSHold

Version: No.3 - 3/5/2024

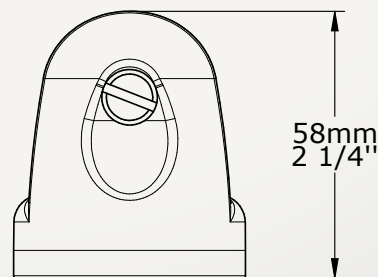
Art. no. : 12131

Description

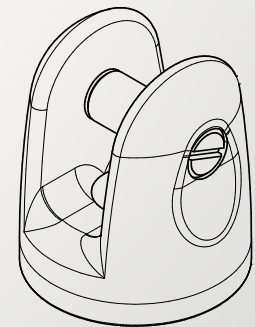
The XSHold is used as a start and end component for XSLinked and LinkedPro horizontal lifeline systems installed to a roof, wall or overhead. Top components are installed to the XSHold by means of a hold pin.



FRONT VIEW



SIDE VIEW



ISOMETRIC VIEW

COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
12131	AISI 316	AISI 431 50x58mm (2" x 2 1/4")	0.5 kg (1.1 lbs)

COMPATIBILITY & WARNINGS

1. The XSHold can be installed directly installed onto the XSBending kit Pro/RAP, XSConnector, XSConnector Pro or XSBase plate wall.
2. The XSHold is mounted to an anchor point by means of a hexagon socket cap screw M12.
3. Do not use the XSHold as a support for hoisting and lifting purposes.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

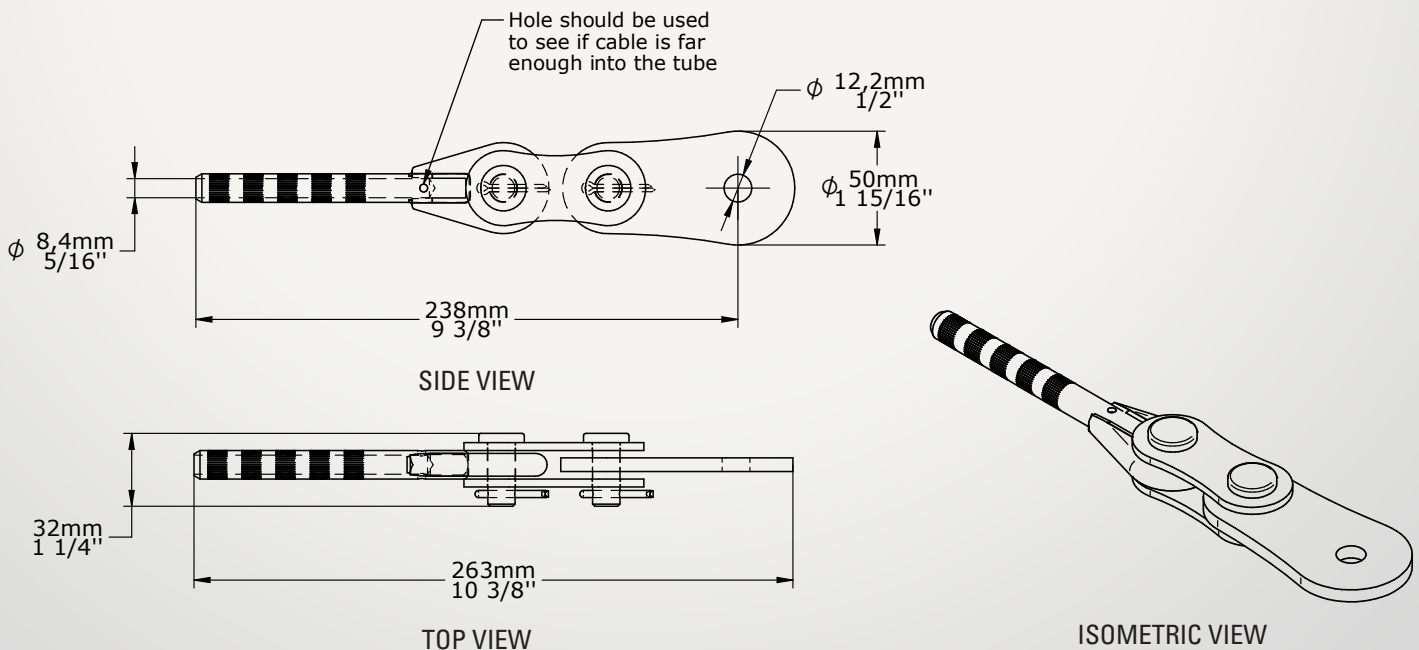
Art. : XSTerminal (clip)

Version: No.3 - 3/5/2024

Art. no. : 12221

Description

This is the basic start/end point of a horizontal lifeline, which is fitted with a terminal tube which can be inserted with an XSCable and then swaged to form a firm fixation of the beginning or end of the horizontal lifeline system. The XSTerminal (clip) can be used to install additional lifelines below an XSLinked system, thereby transforming it into a multi-cable LinkedPro system.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12221	AISI 316	Passivated	238 x 8.4 x 32mm (5/16" x 1 15/16" x 1 1/4")	0,55 kg (1.2 lbs)

COMPATIBILITY & WARNINGS

1. The XSTerminal (clip) is used with an XSLinked or LinkedPro horizontal lifeline system for roofs.
2. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
3. The cable shall be swaged in the press tube by means of the crimping tool with a minimum crimping force of 32 kN (7194 lbf).

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

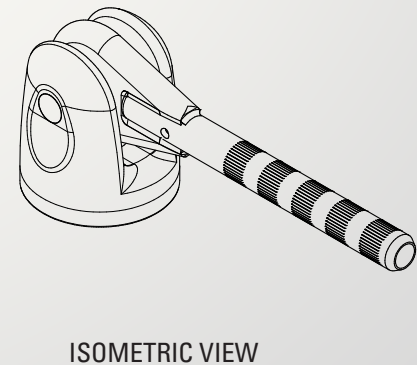
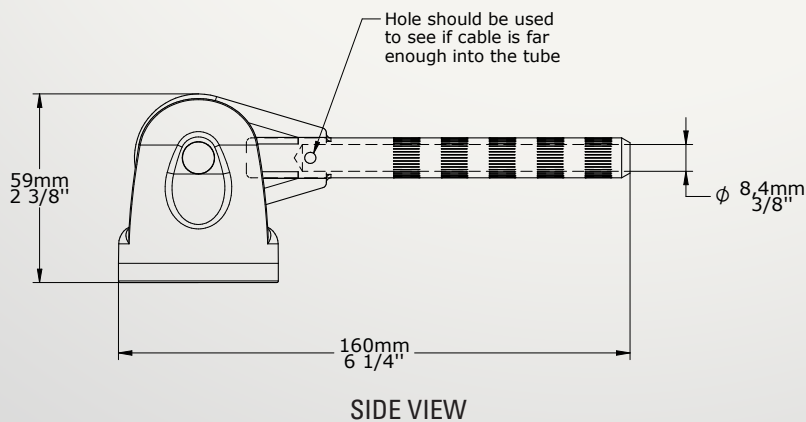
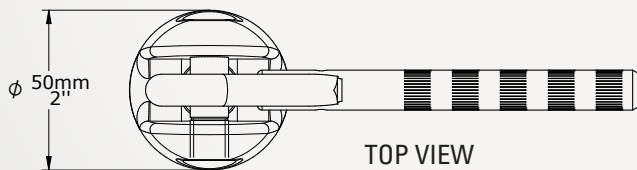
Art. : XSTerminal (hold)

Version: No.3 - 3/5/2024

Art. no. : 12236

Description

This is the basic start/end point of a horizontal lifeline, which is fitted with a terminal tube that can be swaged onto the XSCable to form a firm fixation of the beginning or end of the horizontal lifeline system.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12236	AISI 316	Passivated	160 x 50 x 59 mm (6 1/4" x 2" x 2 3/8")	0.7 kg (1.5 lbs)

COMPATIBILITY & WARNINGS

1. The XSTerminal (hold) is used with XSLinked/LinkedPro systems for roof, wall or overhead.
2. The XSTerminal (hold) is attached to an anchor point by means of a hexagon socket cap screw M12.
3. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
4. The cable shall be swaged in the press tube by means of the crimping tool with a minimum crimping force of 32 kN (7194 lbf).

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

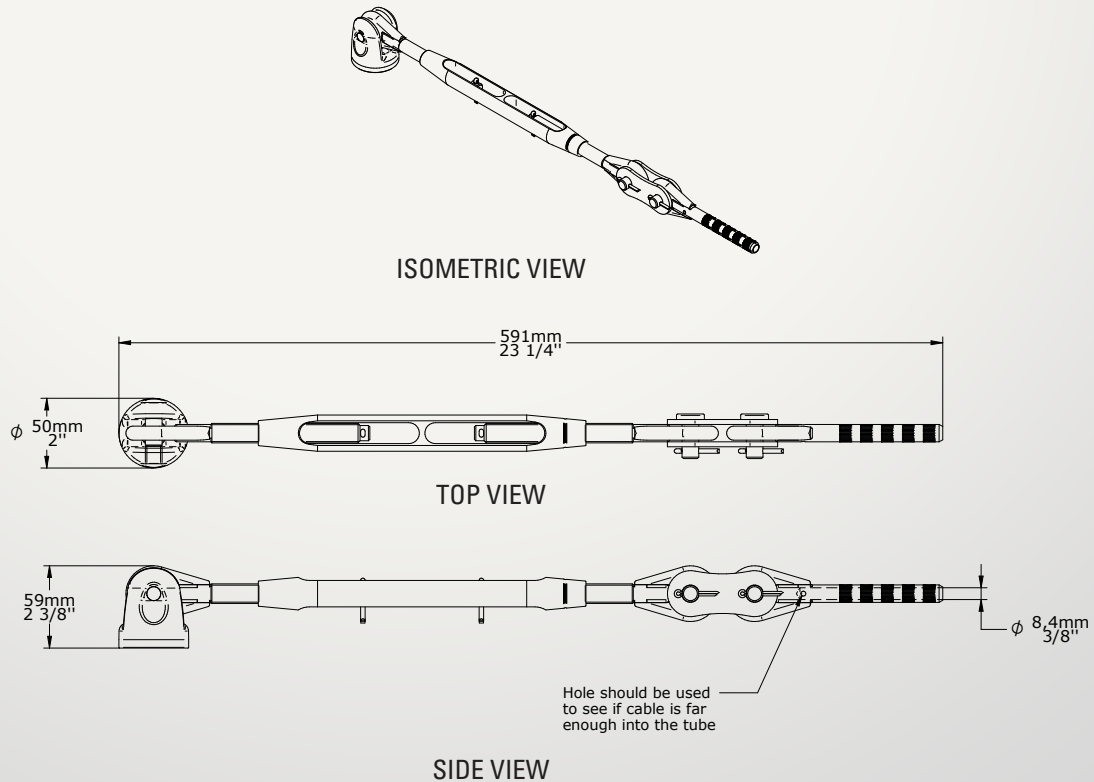
Art. : XSTensioner II system (hold)

Version: No.3 - 3/5/2024

Art. no. : 12301

Description

One end of the XSTensioner II Pro system is attached to an anchor point. The other end is connected to the XSCable to provide end support to the whole lifeline system. The XSTensioner is used to tension the lifeline. The correct tension of the lifeline ensures that all components of the XSLinked/LinkedPro system function properly in the event of a fall.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12301	AISI 316	Passivated	591x50x59 mm (23 1/4"x2"x2 3/8")	1,7 kg (3.7 lbs)

COMPATIBILITY & WARNINGS

1. The XSTensioner II Pro system is used with XSLinked/LinkedPro systems for roof, wall or overhead.
2. The XSTensioner II Pro system is attached to an anchor point by means of a hexagon socket cap screw M12.
3. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
4. The cable shall be swaged in the press tube by means of the crimping tool with a minimum crimping force of 32 kN (7194 lbf).

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

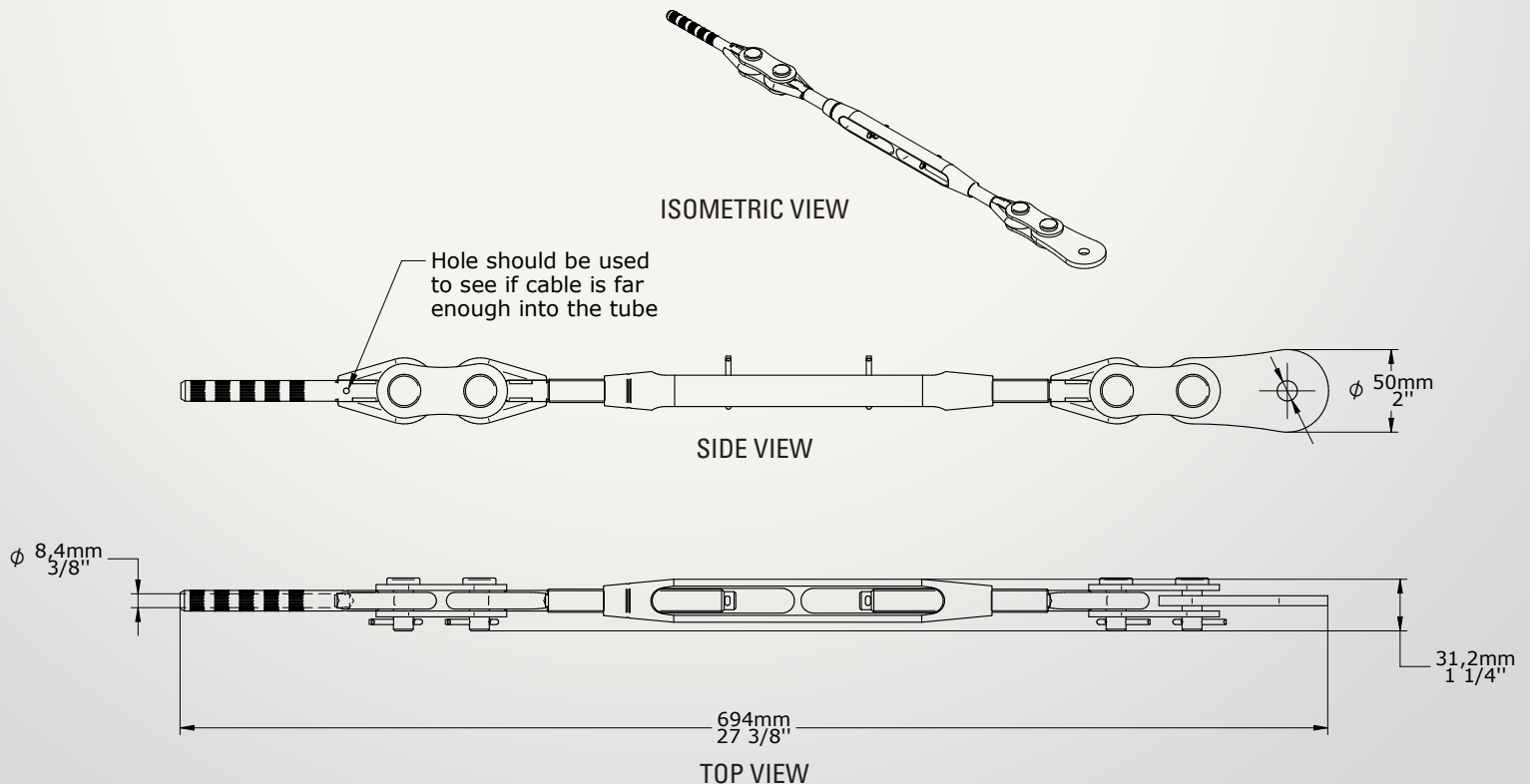
Art. : XSTensioner II system (clip)

Version: No.3 - 3/5/2024

Art. no. : 12306

Description

The XSTensioner II system (clip) is fitted with a terminal tube that can be swaged onto the XSCable to form a firm fixation of the beginning or end of the horizontal lifeline system. The XSTensioner can be used to install additional lifelines below an XSLinked system, thereby transforming it into a multi-cable LinkedPro system. The XSTensioner is used to tension the cable. Correct tension of the lifeline ensures that all components of the XSLinked/LinkedPro system function properly in the event of a fall.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12306	AISI 316	Passivated	598x40x50 mm (23 1/2" x 1 5/8" x 2")	1,6 kg (3.5 lbs)

COMPATIBILITY & WARNINGS

1. The XSTensioner II system (clip) is used with a XSLinked or LinkedPro horizontal lifeline system for roofs.
2. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
3. The cable shall be swaged in the press tube by means of the crimping tool with a minimum crimping force of 32 kN (7194 lbf).

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

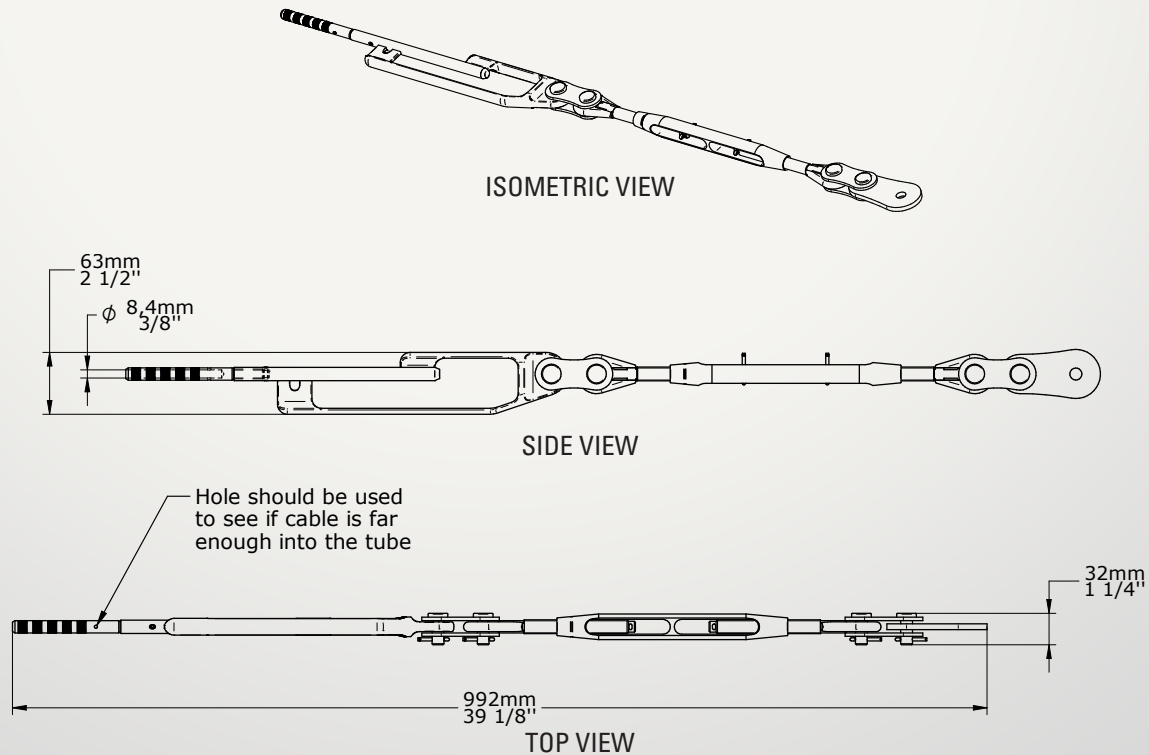
Art. : XSTensioner II XSPoint (clip)

Version: No.4 - 3/5/2024

Art. no. : 12311

Description

The XSTensioner II XSPoint (clip) is fitted with a terminal tube that can be swaged onto the XSCable to form a firm fixation of the beginning or end of the horizontal lifeline system. The XSTerminal (clip) can be used to install additional lifelines below an XSLinked system, thereby transforming it into a LinkedPro system. The XSTensioner is used to tension the cable. Correct tension of the lifeline ensures that all components of the XSLinked/LinkedPro system function properly in the event of a fall. The XSPoint forms the access point at the start or end location of the lifeline system.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12311	AISI 316	Passivated	992 x 63 x 32 mm (39 1/8" x 2 1/2" x 1 1/4")	2,2 kg (4.8 lbs)

COMPATIBILITY & WARNINGS

1. The XSTensioner II XSPoint (clip) is used with an XSLinked or LinkedPro horizontal lifeline system for roofs.
2. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
3. The cable shall be swaged in the press tube by means of the crimping tool with a minimum crimping force of 32 kN (7194 lbf).

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

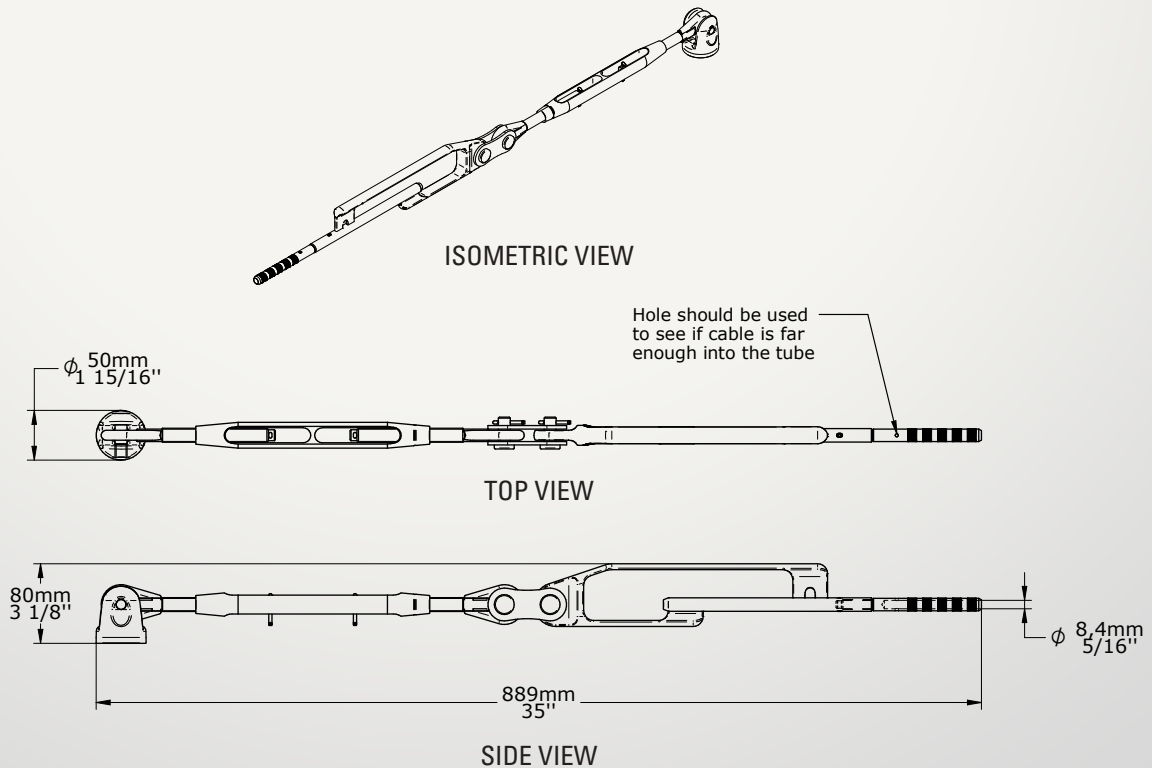
Art. : XSTensioner II Pro system (XSPoint)

Version: No.3 - 3/5/2024

Art. no. : 12346

Description

One end of the XSTensioner II XSPoint (hold) is attached to an anchor point. The other end is swaged to the XSCable to provide end support to the whole lifeline system. The XSPoint provides an access point for the XSlider Pro. The XSTensioner is used to tension the cable. The correct tension of the lifeline ensures that all components of the XSLinked/LinkedPro system function properly in the event of a fall.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12346	AISI 316	Passivated	889x50x80 mm (35"x1 15/16"x3 1/8")	2,3 kg (5 lbs)

COMPATIBILITY & WARNINGS

1. The XSTensioner II XSPoint (hold) is used with XSLinked/LinkedPro systems for roof, wall or overhead.
2. The XSTensioner II XSPoint (hold) is attached to an anchor point by means of a hexagon socket cap screw M12.
3. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
4. The cable shall be swaged in the press tube by means of the crimping tool with a minimum crimping force of 32 kN (7194 lbf).

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

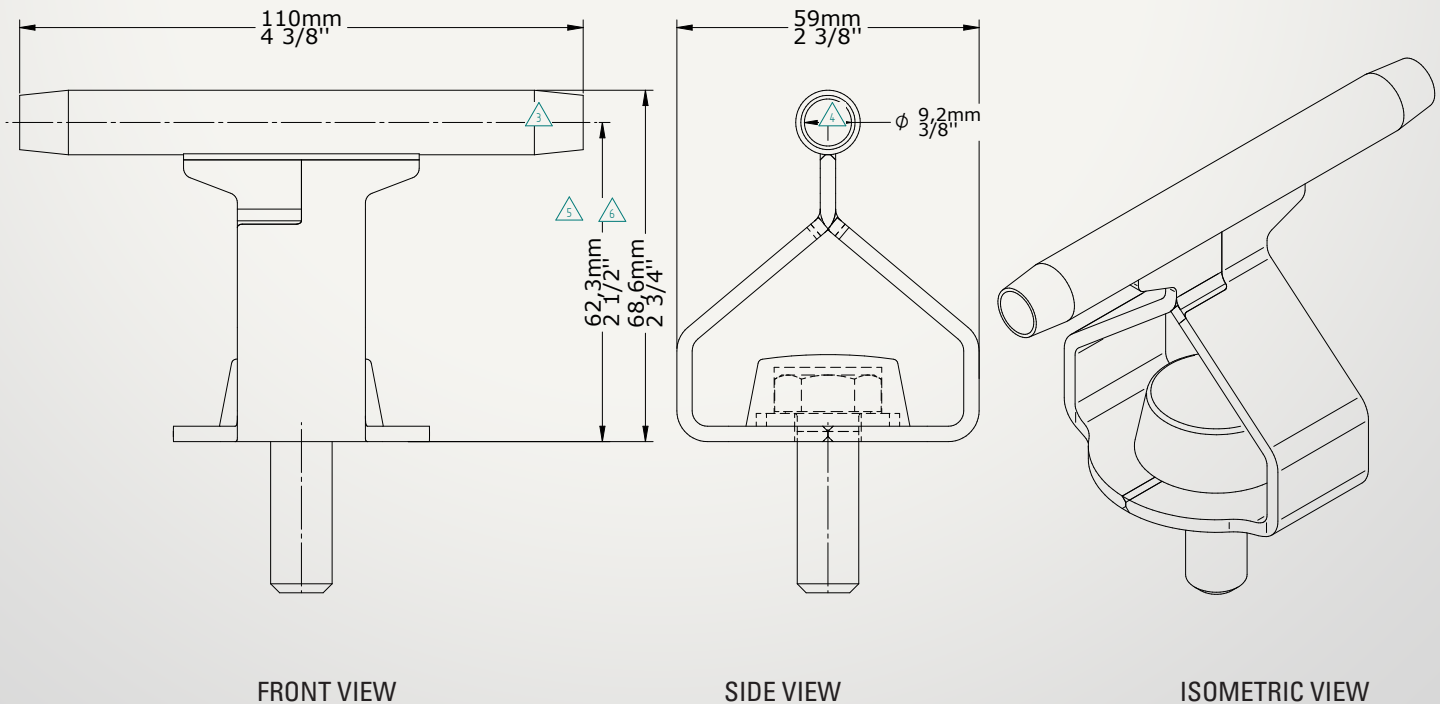
Art. : XSIntermediate

Version: No.3 - 3/5/2024

Art. no. : 12411

Description

The XSIntermediate is used to support the lifeline cable of an XSLinked or LinkedPro roof system. It is designed so that users can easily pass the intermediate posts of the lifeline system, without needing to disconnect. Installation at regular intervals ensures the optimum distribution of forces along the system.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12411	AISI 316	Passivated	110x62,3x59mm (4 3/8" x 2 3/4x 2 3/8")	0.2 kg (0.6 lbs)

COMPATIBILITY & WARNINGS

1. The XSIntermediate is installed onto a XSBase plate, XSMD or XTusion, and used with in an XSLinked or LinkedPro horizontal lifeline system.
2. The XSIntermediate is installed onto a XSBending kit Pro, XSConnector or XSConnector Pro with M12 hexagon head bolt.
3. Covers lifeline angles between 0° and 22°.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

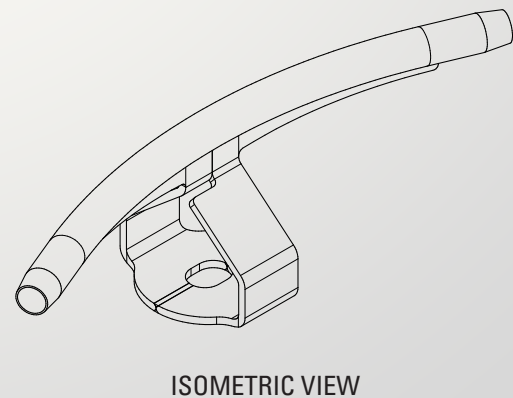
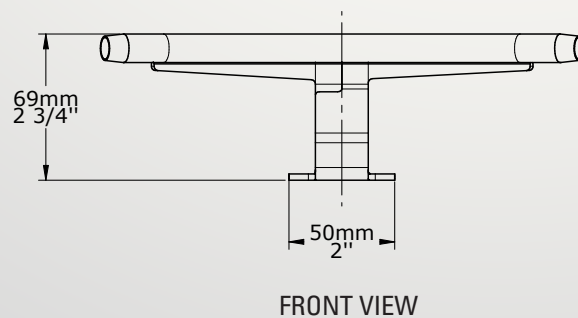
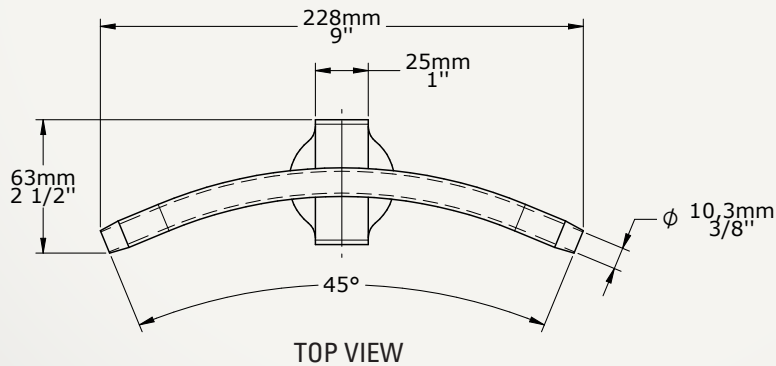
Art. : XSEdge 45°

Version: No.3 - 3/5/2024

Art. no. : 12511

Description

The XSEdge 45° is used to support the lifeline cable of an XSLinked or LinkedPro roof system and to change the direction of the cable (lifeline). It is designed so that users can easily pass the corners of the lifeline system, without needing to disconnect.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12511	AISI 316	Passivated	228x63x69 mm (9"x2 1/2"x2 3/4")	0.3 kg (0.6 lbs)

COMPATIBILITY & WARNINGS

1. The XSEdge can be installed onto a XSBase plate, XSMD or XTrusion and used with a XSLinked or LinkedPro horizontal lifeline system for roofs.
2. The XSEdge is installed onto a XSBending kit Pro, XSConnector or XSConnector Pro with M12 hexagon head bolt.
3. Covers lifeline angles between 23° and 67°.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

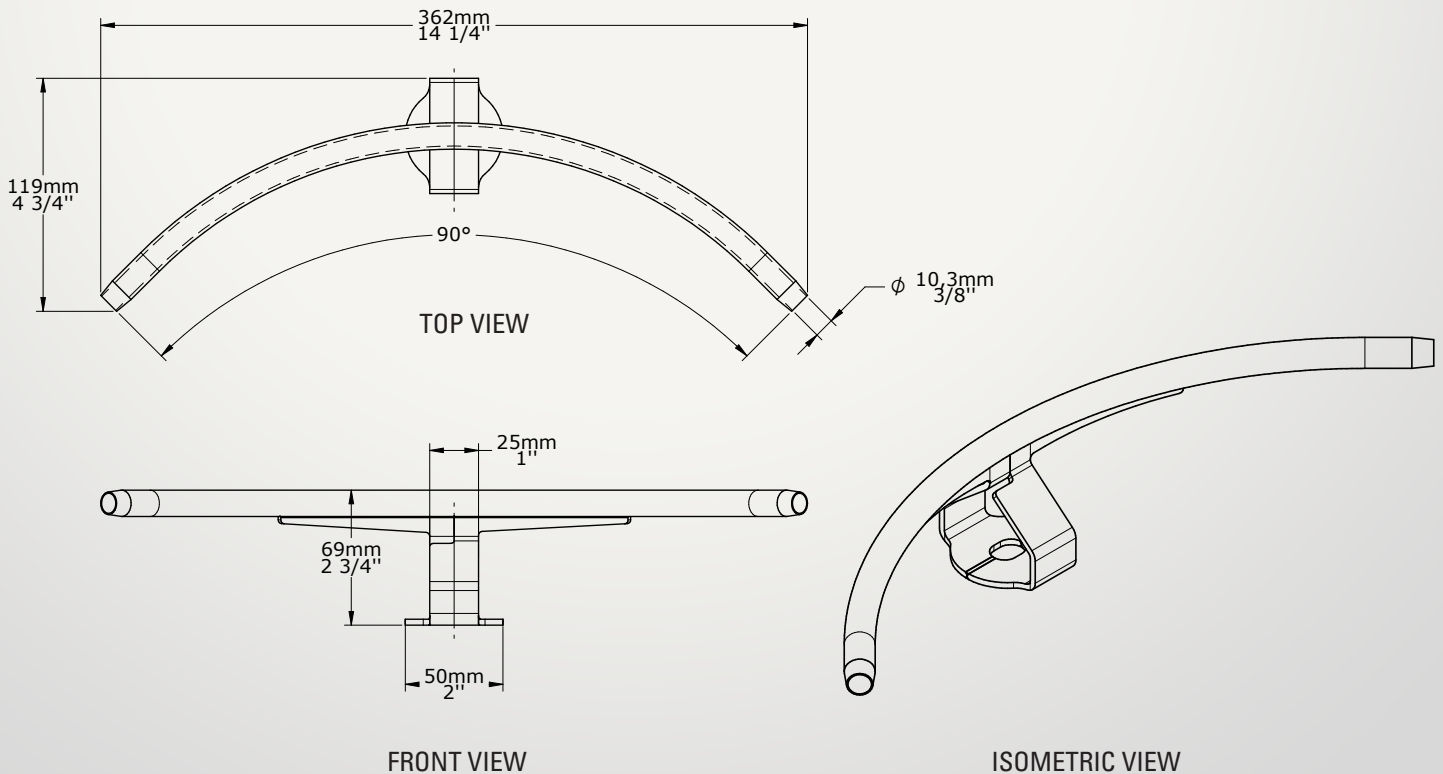
Art. : XSEdge 90°

Version: No.3 - 3/5/2024

Art. no. : 12611

Description

The XSEdge 90° is used to support the lifeline cable of an XSLinked or LinkedPro roof system and to change the direction of the cable (lifeline). It is designed so that users can easily pass the corners of the lifeline system, without needing to disconnect.



COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12611	AISI 316	Passivated	362x119x69 mm (14 1/4"x4 3/4"x2 3/4")	0.4 kg (0.9 lbs)

COMPATIBILITY & WARNINGS

1. The XSEdge can be installed onto a XSBase plate, XSMD or XTusion and used with a XSLinked or LinkedPro horizontal lifeline system for roofs.
2. The XSEdge is installed onto a XSBending kit Pro, XSConnector or XSConnector Pro with M12 hexagon head bolt.
3. Covers lifeline angles between 68° and 112°.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

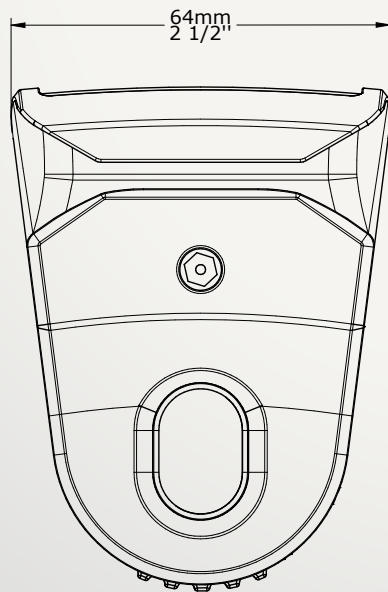
Art. : XSSlider

Version: No.3 - 3/5/2024

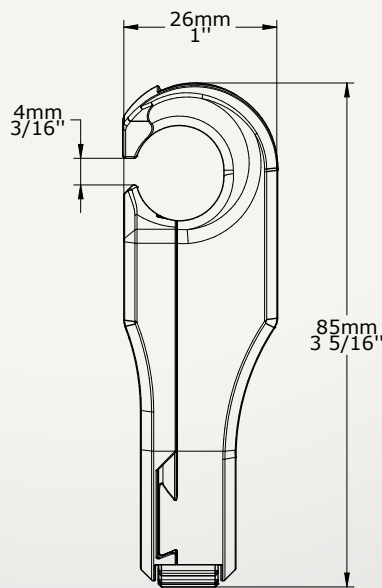
Art. no. : 12811

Description

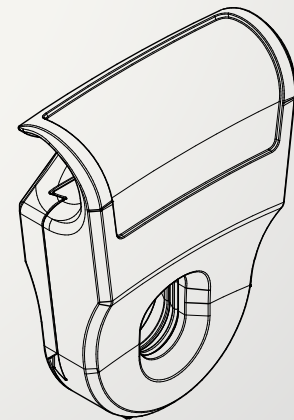
The XSSlider is a runner with a unique shape and design, which enables a smooth passage over brackets without the need to disconnect from the cable. The locking mechanism of the XSSlider ensures that it can only be removed from the lifeline when a carabiner is not connected.



FRONT VIEW



SIDE VIEW



ISOMETRIC VIEW

COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12811	AISI 316	Passivated	85x64x26 mm (3 5/16" x 2 1/2" x 1")	0.5 kg (1.1 lbs)

COMPATIBILITY & WARNINGS

1. The XSSlider is used with XSLinked horizontal lifeline systems for roof or wall (low).
2. Connecting and disconnecting the XSSlider is possible at any point of the horizontal lifeline system.
3. The XSSlider is suitable for use by 1 person at a time.
4. Do not use the XSSlider for hoisting, resting or lifting purposes.
5. Please read the user manual thoroughly and be sure to understand its content before use.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 1891.2

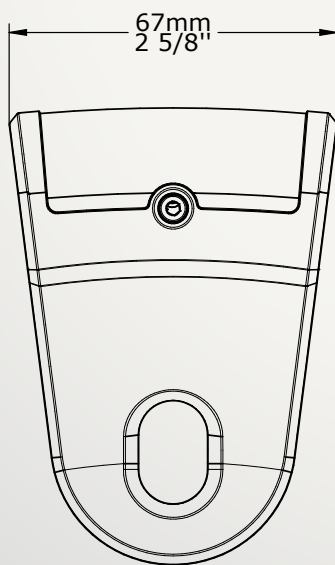
Art. : XSSlider Pro

Version: No.3 - 3/5/2024

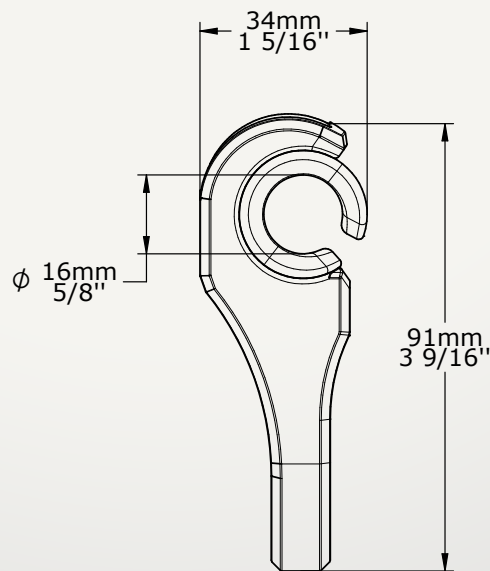
Art. no. : 12821

Description

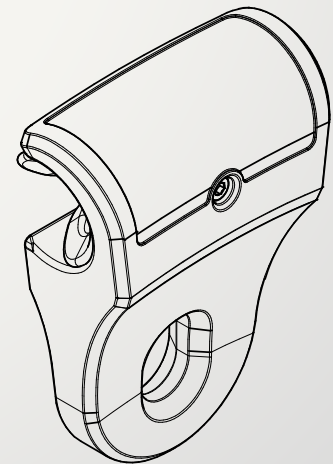
The XSSlider Pro is a removable traveler used for the XSLinked/LinkedPro for roof and wall (low) systems. It can only be connected and disconnected from the lifeline if the system includes an XSPoint. It allows a user to move easily along the lifeline (XSCable). Its unique shape and design enables a smooth passage over brackets without the need of disconnecting from the cable.



FRONT VIEW



SIDE VIEW



ISOMETRIC VIEW

COMPONENT SPECIFICATIONS

Art. no.	Material	Finish	Dimensions mm (inch)	Weight in kg (lbs)
12821	AISI 316	Passivated	91x67x34 mm (3 9/16" x 2 5/8" x 1 5/16")	0.7 kg (1.5 lbs)

COMPATIBILITY & WARNINGS

1. The XSSlider Pro is used with XSLinked/LinkedPro horizontal lifeline systems for roof and wall (low).
2. Connecting and disconnecting of the XSSlider Pro is only possible if the system includes an XSPoint.
3. The XSSlider Pro is suitable for use by 1 person at a time.
4. Do not use the XSSlider Pro for hoisting, resting or lifting purposes.
5. Please read the user manual thoroughly and be sure to understand its content before use.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

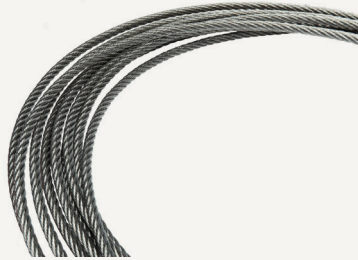
Art. : XSCable (coated)

Version: No.3 - 3/5/2024

Art. no. : 13102/13202

Description

The XSCable connects all components to form one system. One end of the XSCable is swaged to the tube of an XSTerminal/XSPoint, the other end is pulled through the intermediates and edge brackets to be swaged to the other end of the system (which mostly includes an XSTensioner). The correct tension of the lifeline ensures that all components of the system function properly in the event of a fall.



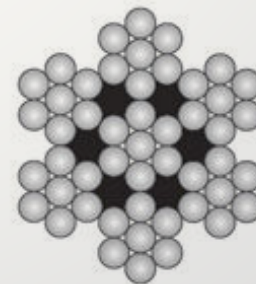
REGULAR (13102)



COATED (13202)



ISOMETRIC VIEW



SECTION

COMPONENT SPECIFICATIONS

Art. no.	Material	Diameter mm (inch)	Construction	Tensile strength	Breaking strength	Weight (100 m/330')
13102	AISI 316	ø 8 mm (5/16")	7x7	1570 N/mm ²	39.2 kN (8048 lbf)	24.9 kg (54.9 lbs)
13202	Coated AISI 316	ø 8 mm (5/16")	7x7	1570 N/mm ²	39.2 kN (8048 lbf)	24.9 kg (54.9 lbs)

COMPATIBILITY & WARNINGS

1. The XSCable is used to connect XSLinked/LinkedPro horizontal lifeline systems for roof, wall or overhead.
2. Do not damage the wire rope during installation.
3. Replace the entire wire rope once a fall has occurred.
4. Do not use the XSCable as a support for hoisting and lifting purposes.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type A
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359
4. CSA Z259
5. AS/NSZ 5532

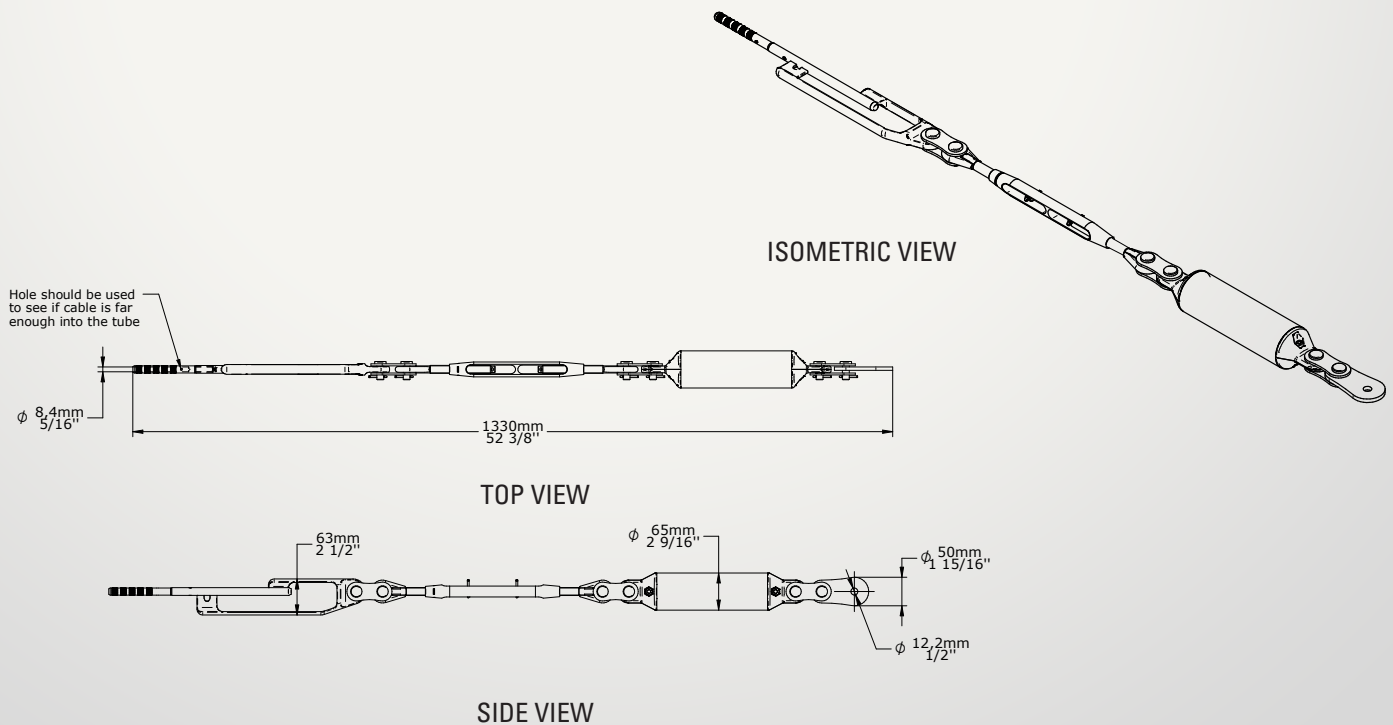
Art. : XSDynamic kit XSPoint Tensioner (clip)

Version: No.4 - 3/5/2024

Art. no. : 14731

Description

This component, consisting of the XSTensioner, XSPoint, and XSDynamic, serves as a vital part of a lifeline system. One end attaches to the lifeline for end support, while the other connects to an anchor point using the XSClip. The XSDynamic kit can extend the lifeline system, creating a multi-cable LinkedPro system. The XSTensioner tightens the cable, ensuring proper tension for all components in case of a fall. XSPoint serves as an attachment point for XSSlider Pro and XSSlider overhead Pro. Finally, the XSDynamic absorbs energy during a fall.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
14731	AISI 316 passivated Anodised aluminium	1330x65x65 mm (52 3/8" x 2 9/16" x 2 9/16")	4.1 kg (9.0 lbs)

COMPATIBILITY & WARNINGS

1. It is used with XSLinked/LinkedPro system for roof.
2. It is attached to an anchor point by means of an XSClip and an M12 bolt.
3. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
4. The cable should be swaged into the press tube by means of the crimping tool with a minimum crimping force of 32 kN (7194 lbf).
5. Do not over-tension the lifeline system! It can cause the activation of the XSDynamic. For tensioning the XSCable, please refer to the manual.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C & CEN/TS 16415:2013 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359.6
4. CSA Z259.16
5. AS/NSZ 1891.2

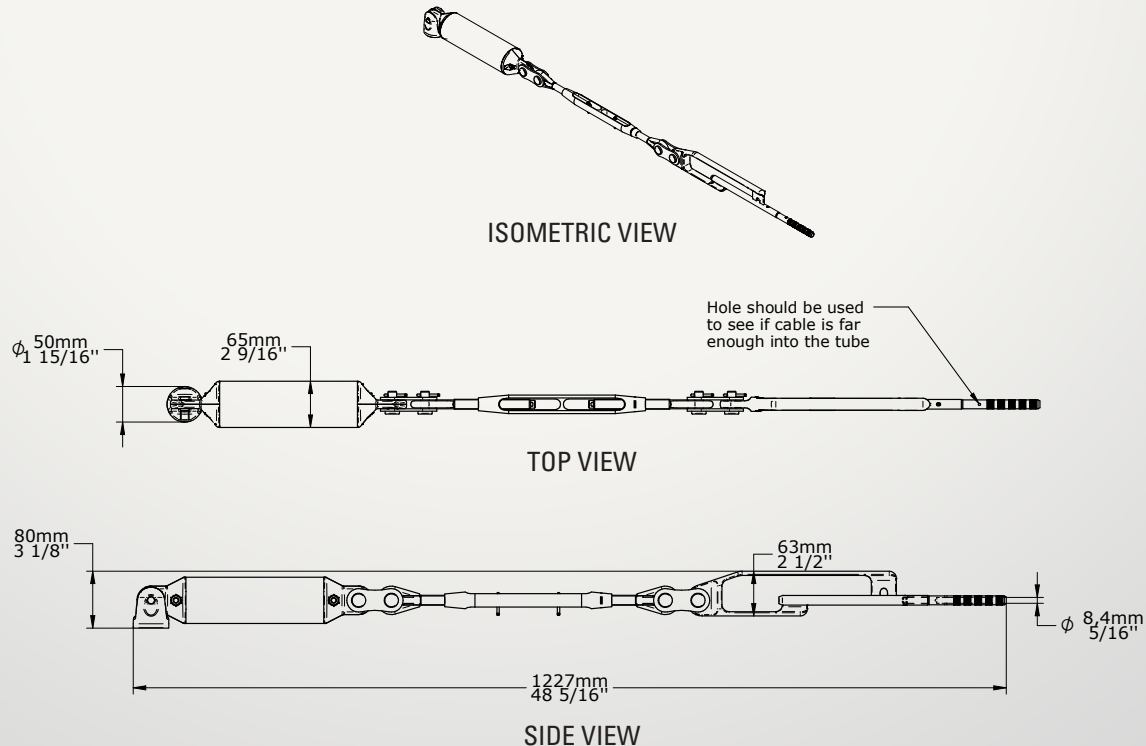
Art. : XSDynamic kit XSPoint Tensioner (hold)

Version: No.4 - 3/5/2024

Art. no. : 14741

Description

This component combines the XSTensioner, XSPoint and the XSDynamic. One end of this product is attached to an anchor point. The other end is swaged to the lifeline to provide end support to the lifeline system. The XSTensioner is used to tension the cable. The correct tension of the lifeline ensures that all components of the LinkedPro system function properly in the event of a fall. The XSDynamic is designed to absorb the energy that is released during a fall. The XSPoint forms the access point for the XSSlider Pro and XSSlider overhead Pro at the start or end location of the horizontal lifeline system.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
14741	AISI 316 passivated Anodised aluminium	1227x80x65 mm (46 1/8"x3 1/8"x2 9/16")	4,25 kg (9.3 lbs)

COMPATIBILITY & WARNINGS

1. The XSDynamic kit XSPoint Tensioner (hold) is used with XSLinked/LinkedPro systems for roof, wall or overhead.
2. The XSDynamic kit XSPoint Tensioner (hold) is attached to an anchor point by means of a M12 bolt.
3. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
4. The cable should be swaged into the press tube by means of the crimping tool with a crimping force of 32 kN (7194 lbf).
5. Do not over-tension the lifeline system! This can cause activation of the XSDynamic. For tensioning the XSDynamic, please refer to the manual.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C & CEN/TS 16415:2013 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359.6
4. CSA Z259.16
5. AS/NSZ 1891.2

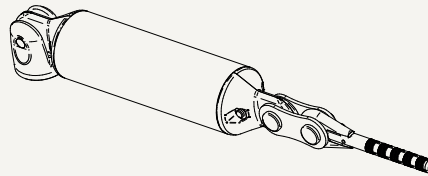
Art. : XSDynamic kit (hold)

Version: No.4 - 3/5/2024

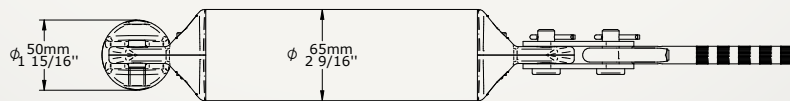
Art. no. : 14751

Description

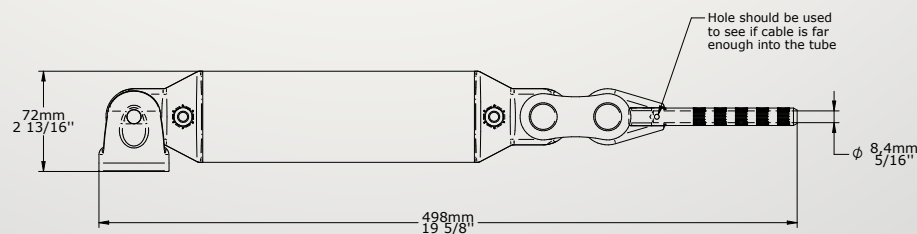
One end of the XSDynamic kit (hold) is attached to an anchor point with the XSHold. The other end is swaged to the lifeline to provide end support to the lifeline system. The XSDynamic is designed to absorb the energy that is released during a fall.



ISOMETRIC VIEW



TOP VIEW



SIDE VIEW

COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
14751	AISI 316 passivated Anodised aluminium	498x50x72mm (19 5/8"x1 15/16"x2 7/8")	2,6 kg (5.7 lbs)

COMPATIBILITY & WARNINGS

1. The XSDynamic kit (hold) is used with XSLinked/LinkedPro systems for roof, wall or overhead.
2. The XSDynamic kit (hold) is attached to an anchor point by means of an M12 bolt.
3. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
4. The cable should be swaged into the press tube by means of the crimping tool with a crimping force of 32 kN (7194 lbf).
5. Do not over-tension the lifeline system! This can cause activation of the XSDynamic. For tensioning the XSDynamic, please refer to the manual.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C & CEN/TS 16415:2013 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359.6
4. CSA Z259.16
5. AS/NSZ 1891.2

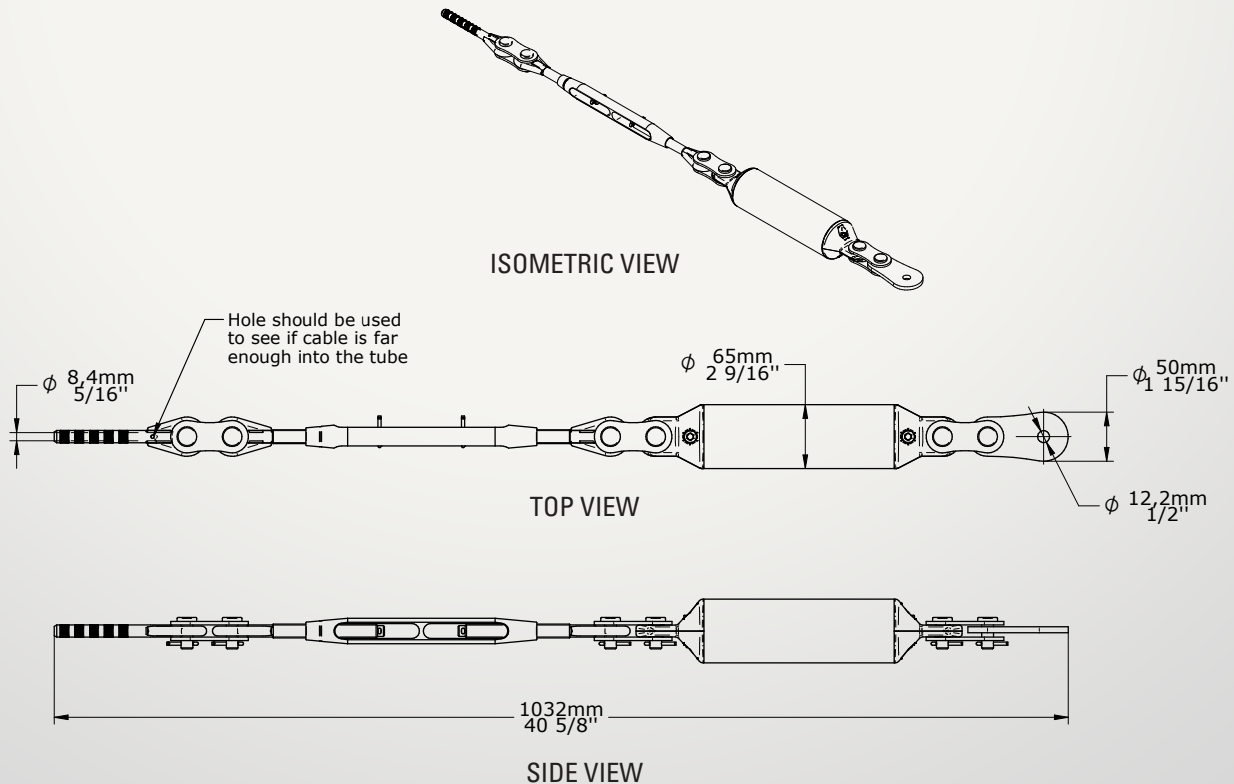
Art. : XSDynamic kit tensioner (clip)

Version: No.4 - 3/5/2024

Art. no. : 14761

Description

The XSDynamic kit tensioner (clip) is fitted with a terminal tube that can be swaged onto the XSCable to form a firm fixation of the beginning or end of the horizontal lifeline system. The XSDynamic kit tensioner (clip) can be used to install additional lifelines below an XSLinked system, thereby transforming it into a multi-cable LinkedPro system. The XSDynamic is designed to absorb the energy that is released during a fall.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
14761	AISI 316 passivated Anodised aluminium	1032x65x65 mm (40 5/8"x2 9/16"x2 9/16")	3.5 kg (7.7 lbs)

COMPATIBILITY & WARNINGS

1. The XSDynamic kit tensioner (clip) is used with a XSLinked/LinkedPro horizontal lifeline system for roof.
2. The XSDynamic kit tensioner (clip) is attached to an anchor point by means of an XSclip and M12 bolt.
3. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
4. The cable should be swaged into the press tube by means of the crimping tool with a crimping force of 32 kN (7194 lbf).
5. Do not over-tension the lifeline system! This can cause activation of the XSDynamic. For tensioning the XSDynamic, please refer to the manual.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C & CEN/TS 16415:2013 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359.6
4. CSA Z259.16
5. AS/NSZ 1891.2

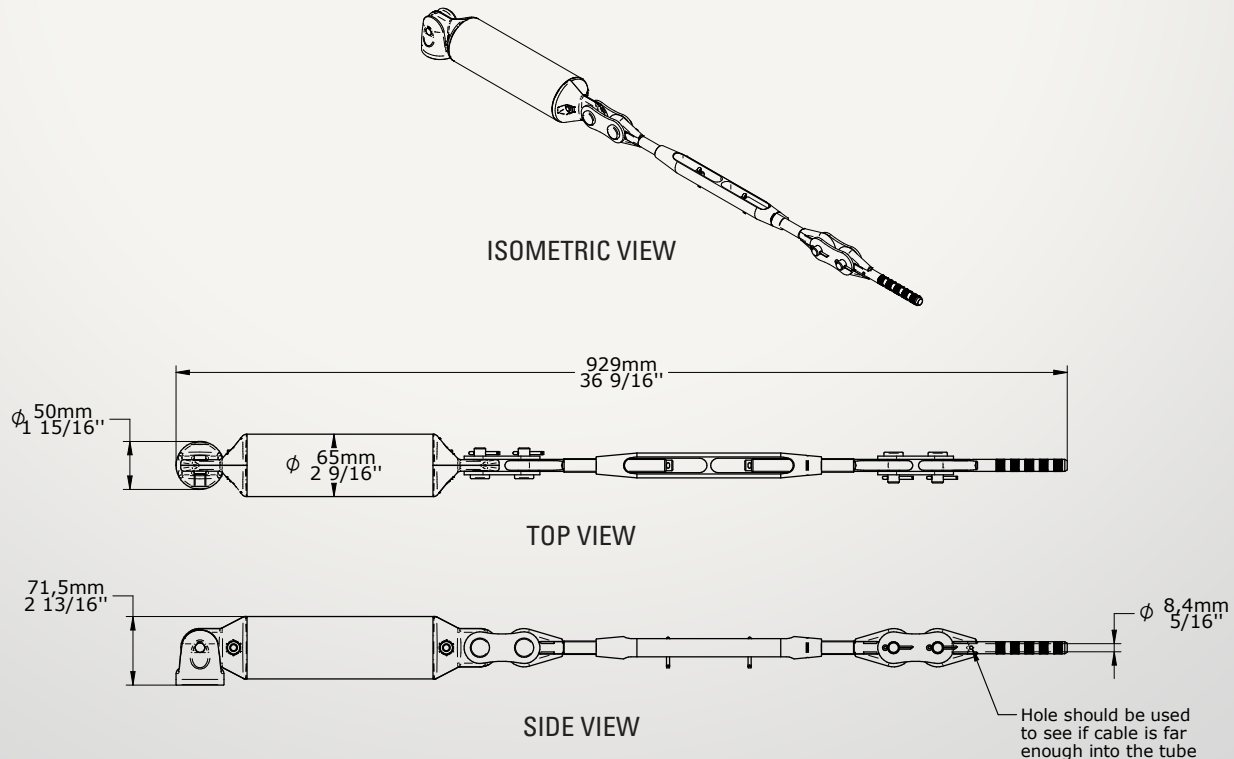
Art. : XSDynamic kit tensioner (hold)

Version: No.3 - 3/5/2024

Art. no. : 14781

Description

One end of the XSDynamic kit tensioner (hold) is attached to an anchor point. The other end is swaged to the lifeline to provide end support to the lifeline system. The XSTensioner is used to tension the cable. The correct tension of the lifeline ensures that all components of the XSLinked/LinkedPro system function properly in the event of a fall. The XSDynamic is designed to absorb the energy that is released during a fall.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
14781	AISI 316 passivated Anodised aluminium	929x71.5x50 mm (36 9/16"x2 13/16"x1 15/16")	3.6 kg (7.9 lbs)

COMPATIBILITY & WARNINGS

1. The XSDynamic kit tensioner (hold) is used with XSLinked/LinkedPro systems for roof, wall or overhead.
2. The XSDynamic kit tensioner (hold) is attached to an anchor point with an M12 bolt.
3. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
4. The cable should be swaged into the press tube by means of the crimping tool with a crimping force of 32 kN (7194 lbf).
5. Do not over-tension the lifeline system! This can cause activation of the XSDynamic. For tensioning the XSDynamic, please refer to the manual.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C & CEN/TS 16415:2013 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359.6
4. CSA Z259.16
5. AS/NSZ 1891.2

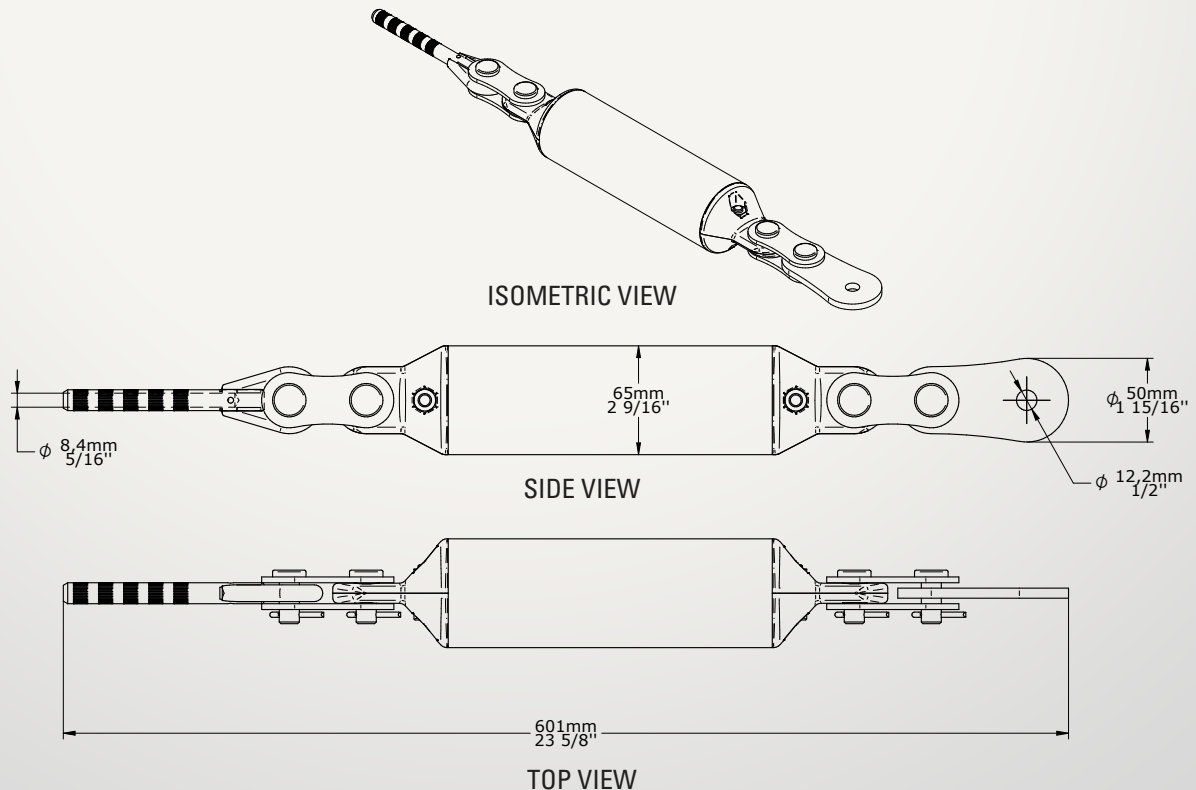
Art. : XSDynamic kit (clip)

Version: No.4 - 3/5/2024

Art. no. : 14791

Description

XSDynamic kit (clip) is fitted with a terminal tube that can be swaged onto the XSCable to form a firm fixation of the beginning or end of the horizontal lifeline system. The XSDynamic kit (clip) can be used to install additional lifelines below an XSLinked system, thereby transforming it into a multi-cable LinkedPro system. The XSDynamic is designed to absorb the energy that is released during a fall.



COMPONENT SPECIFICATIONS

Art. no.	Material	Dimensions mm (inch)	Weight in kg (lbs)
14791	AISI 316 passivated Anodised aluminium	601 x 65mm (23 5/8" x 2 1/2")	2,5 kg (5.5 lbs)

COMPATIBILITY & WARNINGS

1. The XSDynamic kit (clip) is used with an XSLinked/LinkedPro horizontal lifeline system for roofs.
2. The XSDynamic kit (clip) is attached to an anchor point by means of an XSClip and M12 bolt.
3. The cable shall be swaged at locations marked on the press tube. Rotate the crimping tool 30° with every following crimping position.
4. The cable should be swaged into the press tube by means of the crimping tool with a crimping force of 32 kN (7194 lbf).
5. Do not over-tension the lifeline system! This can cause activation of the XSDynamic. For tensioning the XSDynamic, please refer to the manual.

Standards and requirements

XSPlatforms fall arrest systems are designed to meet the requirements of:

1. EN795:2012 type C & CEN/TS 16415:2013 type C
2. OSHA 1910.66 App C & 1926 Sub M
3. ANSI Z359.6
4. CSA Z259.16
5. AS/NSZ 1891.2

Contact

For questions or inconveniences about the product, the installation or use of it, please contact your supplier or XSPlatforms.

Supplier:



Bemo USA Corporation
1755 N. 48th Street
Mesa, Arizona USA , 85205-1115

Phoenix: +1 480-545-7900
National: 877-530-BEMO (2366)
Fax: +1 480-545-4999

Email: sales@BEMOUSA.com
techservices@BEMOUSA.com

Disclaimer

XSPlatforms believes that the information in this technical data sheet is an accurate description of the typical uses of the product. XSPlatforms, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Customers must satisfy themselves as to the suitability of this product for their application. XSPlatforms maintains the right to change and alter the product composition and production process and thereby the performance characteristics of the product at all times without notice.

For questions about the installation of this product, please refer to the manual for details or contact your supplier or XSPlatforms.

SERVICE AND MAINTENANCE

XSPlatforms and her Partners advise all their customers and users of their systems to have fall protection systems and fall protection PPE inspected annually. Regular maintenance (and inspection) is crucial to guarantee maximum safety for those working at height. As the owner of a fall protection system, you are responsible for regular maintenance being performed.

CHOOSING THE RIGHT MAINTENANCE CONTRACT

Most of our Partners offer a wide choice of maintenance contracts. From single inspections to a full service contract. XSPlatforms and her Partners can advise you to choose the right contract, so it perfectly fits your wishes and needs. This way, you don't have to worry about the inspection of your fall protection system and you know that your equipment will always be safe and reliable.

CONTACT

Do you need custom advice?

We are always there to help you. Ask us for a custom service agreement or for more information about the various options for maintenance contracts.

Do you already have a contract with us?

You can expand or extend this contract quick and simple. Contact us or your supplier for more information.



Together with you, we can customize a maintenance contract to fit your wishes regarding for example:

- › The extension of the warranty period;
- › The replacement of needed parts;
- › Inspection of permanent and temporary fall protection;
- › Inspection of fall protection Personal Protective Equipment;
- › Inspection of ladders/roof access systems;
- › Inspection of facade access systems.

THE ADVANTAGES OF A MAINTENANCE CONTRACT WITH AN XSPLATFORMS CERTIFIED PARTNER

- ✓ Inspection and maintenance of a wide range of fall protection systems.
- ✓ Guaranteed quick service.
- ✓ In-house parts and materials.
- ✓ Excellent advice and service level.
- ✓ Possibility to do inspection and maintenance for fall protection PPE as well.

Supplier:



Bemo USA Corporation
1755 N. 48th Street
Mesa, Arizona USA, 85205-1115

Phoenix: +1 480-545-7900
National: 877-530-BEMO (2366)
Fax: +1 480-545-4999

Email: sales@BEMOUSA.com
techservices@BEMOUSA.com

INSPECTION FORM

Client _____ Work description _____

Project _____

Location _____

Date _____

Inspector name _____

Certificate number _____ Arrival _____ Departure _____

Equipment record

Product:		
Model & type / identification:	Trade name:	Identification number:
Manufacturer:	Address:	
	Telephone:	
	Fax:	
	E-mail:	
Website:		
Year of manufacture / life expiry date:	Purchase date:	Date first put into use:

Other relevant information (e.g. document number)

Periodic examination and repair history

Date:	Reason for entry (periodic examination or repair):	Defects noted repairs carried out and other relevant information:	Name and signature of competent person:	Periodic examination next due date:

Comments _____

Date _____ Signature client _____

Contact name _____

Inspector name _____ Signature inspector _____

ODIN[®]

Lifeline calculation tool



ODIN[®]

Lifeline calculation tool

KEY ADVANTAGES

- Exclusively for XSPlatforms Partners.
- Unique tool, no other supplier can offer.
- Online, can be accessed from any modern computer with internet.
- Most precise calculation in the market.
- No manual calculations, no risk of miscalculations.
- Full service: offer complete safety documentation to your clients.
- Add value, take the role of consultant rather than mere supplier.
- Quote easier and faster.
- Sales arguments backed by extensive up-to-date test data.
- Verifies any custom lifeline complies with standard:
 - ✓ EN795:2012 & CEN/TS16415 (Europe)
 - ✓ ANSI Z359.6:2016 (United States)
 - ✓ CSA Z259.16-04:2015 (Canada)



ADDED VALUE

As an XSPlatforms Partner, you can offer value added service to your clients. With ODIN, your clients:

- have a full set of safety documentation, including test results & instructions;
- are assisted in fulfilling their legal responsibilities;
- are assured the system meets their requirements;
- get a system based on the most precise calculations in the market;
- are assured the system is in compliance with the applicable standards.

Span length, the number of spans, maximum arresting force, initial deflection. These are just some of the variables that together, define the configuration of a horizontal lifeline system. Because every project is unique, calculating each system can be a time-consuming activity. Not only that, by doing the math manually, you risk making miscalculations.

FACTORS THAT AFFECT LIFELINE PERFORMANCE:

- ✓ The surface on which it is mounted.
- ✓ The distance between the anchor posts.
- ✓ The height of the anchor posts.
- ✓ The tension of the cable.
- ✓ The distance to the roof edge.
- ✓ The number of simultaneous users.
- ✓ The available fall clearance.
- ✓ The length of the lifeline system.
- ✓ The energy absorption mechanism.



THIS IS ODIN

ODIN is the easiest way to guarantee that the custom lifeline configuration you are offering complies with the applicable standard.

To reduce the time it takes to calculate a system and reduce the risk of miscalculations, XSPlatforms has developed ODIN. This online tool calculates the performance of each custom lifeline system and gives you a full report of the results. ODIN is exclusively available to XSPlatforms Partners and ensures them, and their clients, the performance of the system meets the applicable standard. A value adding service, which will prove essential in your sales process.

WHY USE ODIN?

Product specifications will NOT suffice as proof of conformity for a particular lifeline configuration.

As a safety advisor, you are obligated to prove the lifeline system you are offering is safe and complies with the applicable standards. Thanks to ODIN, you and your clients are ensured the lifeline system complies with the applicable standard, without having to rely on manual calculations. This way if a fall accident does occur, the chance of injuries is reduced. Also, your clients have a report that proves the installed system meets the standards and guidelines.

ODIN CAN TEST LIFELINE SETUP COMPLIANCE TO THE FOLLOWING STANDARDS:

- ✓ EN795:2012 & CEN/TS16415 (Europe)
- ✓ ANSI Z359.6:2016 (United States)
- ✓ CSA Z259.16-04:2015 (Canada)



HOW DOES ODIN WORK?

ODIN calculates the performance of any custom lifeline, based on a wealth of test data XSPlatforms has collected over the years, and determines if it complies with the applicable standards.

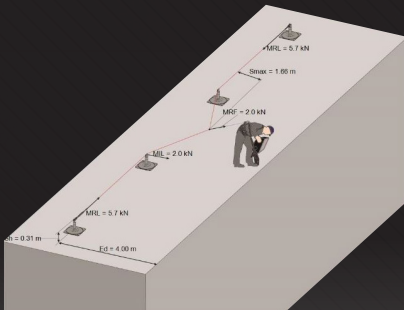
EASY TESTING IN JUST 5 STEPS:

1. Fill in the client's project details for the system configuration into ODIN.
2. Choose the applicable standard: EN, ASNI ou CSA.
3. Calculate the custom lifeline system, ODIN will assess its standard compliance.
4. Print the report and add this to the customer's documentation.
5. Use the report for your sales conversation and system instructions.

ODIN REPORT

An ODIN report is an important document for both you, the supplier, and your client. It proves the system you offered, sold and installed, complies with the applicable standards - mandatory in some region - and is safe to use by a trained person. With the report, you can offer your clients complete safety documentation, uncluding user instructions for safe use. Something none of your competitors will be able to do, making it a valuable sales too.

Example ODIN report. The configuration of this restraint lifeline system scores **OK** on all 5 parameters. This lifeline complies to the applicable standard.



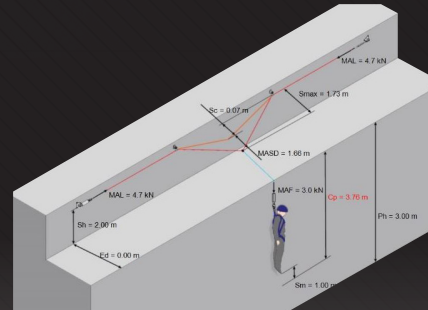
Verification

Check	Value	Limit	Pass
Max. restraint force (MRF)	2.0 kN	≤ 6.0 kN	OK
Max. load on intermediate (MIL)	2.0 kN	≤ 11.2 kN	OK
Max. restraint load (MRL)	5.7 kN	≤ 11.2 kN	OK
Max. cable force	5.7 kN	≤ 17.9 kN	OK
Max. lanyard length	2.04 m		OK

ODIN report content:

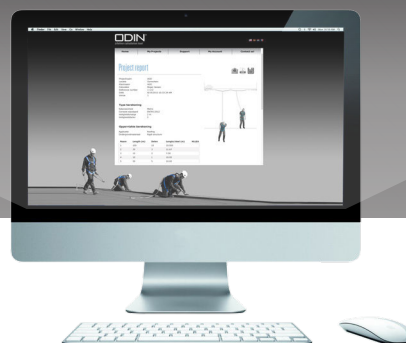
- Calculation setup** showing the project's variables and the standard to which it will be assessed.
- Results overview** an overview of which criteria comply to the standard and which don't.
- Section results** an extensive report on all tests and results (for experts).

Example ODIN report. The configuration of this fall arrest lifeline system scores a **fail** on 1 of the 5 parameters. The available fall clearance is insufficient, which means a user could hit the ground.



Verification

Check	Value	Limit	Pass
Max. arrest force (MAF)	3.0 kN	≤ 6.0 kN	OK
Max. load on intermediate (MIL)	3.0 kN	≤ 17.0 kN	OK
Max. arrest load (MAL)	4.7 kN	≤ 17.0 kN	OK
Max. cable force	4.7 kN	≤ 17.9 kN	OK
Clearance (Cp)	3.76 m	≤ 3.00 m	Fail





UNDERSTANDING ODIN

EXAMPLE REPORT OF A HORIZONTAL LIFELINE CALCULATION

Project overview

Project name: [redacted]
 Location: [redacted]
 Client name: [redacted]
 Calculator: [redacted]
 Project number: [redacted]
 Version: [redacted]
 Internal project Id: [redacted]
 Date: [redacted]
 ODIN Version: [redacted]

Calculation type setup

System of limit: Impartial
 System type: Permanent restraint (USA/CAH)
 Applicable standard: ANSI Z359.6-2009

Surface setup

Application: Roof
 Foundation material: Concrete

Horizontal lifeline (HLL) setup

Product type: XSLinked: XSBase plate with XConnector + XSMechanical anchor
 Max support load: 7649.507
 Support type: Fixed
 Pre-tension: 175.547 lbf

Worker setup

Number of users per line: 2
 Weight of worker: 282.192 lbs
 Height of O-Ring on user (above work platform): 4' 11"
 Stretch out of harness: 0' 12"
 Side and fair distance of the D-Ring: 0' 4"
 Stretch of lifeline body: XSBPlatform PSA
 Personal energy absorber (PEA) type: XSBPlatform PSA

HLL Setup

Name	Length	Spans	Span Length	HLL EA	Angle	Available clearance	Edge distance
1	14' 3"	2	7' 1"	XSDynamic	0	3' 3"	13' 0"
2	6' 3"	1	6' 3"	XSDynamic active	90	3' 3"	13' 0"
3	6' 3"	1	6' 3"	XSDynamic	90	3' 3"	13' 0"
Total	26' 9"	4					

*XSDynamic active - the section does not include a XSDynamic but it uses the absorbing effect of the XSDynamic in the adjacent section.

System scheme

Summary

#Section	Section length	HRF	HBL	HLL	Setup	SON	Ed	Lv
1	14' 3"	906 lbf	1443 lbf	912 lbf	2' 6"	0' 12"	13' 0"	8' 6"
2	6' 3"	906 lbf	1270 lbf	-	3' 3"	0' 12"	13' 0"	8' 10"
3	6' 3"	906 lbf	1272 lbf	-	3' 3"	0' 12"	13' 0"	8' 10"

Red = above allowable value
 Green = below allowable value
 MRF: Maximum restraint force (per user)
 HLL: Maximum restraint load (on and anchorage)
 HBL: Maximum intermediate load
 Smax: Maximum sag of the horizontal lifeline at fall restraint due to applied MRF
 SON: Stretch out of harness
 Ed: Distance of the restraint system to the roof (opening) edge
 Lv: Lanyard length

Verification

Check	Value	Limit	Pass
Max. restraint force (MRF)	906 lbf	4,1905 lbf	OK
Max. load on intermediate (HLL)	916 lbf	4,3622 lbf	OK
Max. restraint load (HBL)	1443 lbf	4,3622 lbf	OK
Max. cable force	1463 lbf	4,4024 lbf	OK
Max. lanyard length	8' 6"		OK

By filling in the specifications of a lifeline solution and whether it's for fall restraint or fall arrest purposes, ODIN will automatically calculate if the specified solution meets the selected standards. Subsequently, ODIN will create a custom report with all details and calculated values. Here we explain the various sections of an ODIN report*.

1

Project overview

In this section ODIN gives an overview of all the project information filled in. The selected standard for compliance and the type of system (fall arrest or fall restraint) can be found in this section, among other things.

2

The system setup

In the system setup section of the report the specifics of the system are detailed, for example the number of spans, the number of users and the lanyard to be used.

3

System scheme

A schematic drawing of what the system will look like. The numbers of spans are shown here. Various parts are marked via colors.

4

Summary

In this section all test results are depicted in a short summary, for instance the MAL and MAF.

5

Passed or not passed

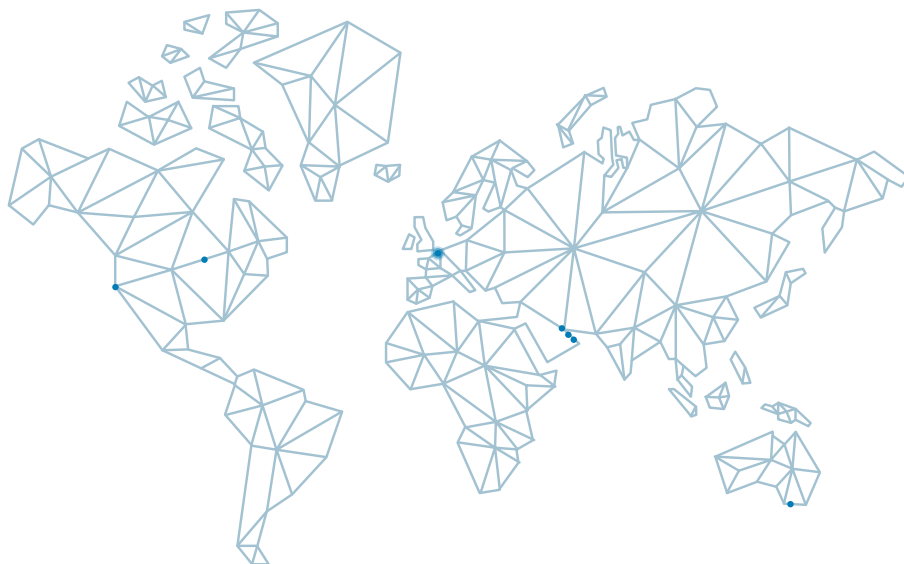
The verification of several vital checks, for example the fall clearance. You get either a pass ✓ or a fail ✗. With a 'fail' you have to alter the system and recalculate.

* This is a brief view of what an ODIN report looks like. Some parts of the report were summarized to support this visual representation.

ABOUT XSPLATFORMS WORK AT HEIGHT

In 1997, we began to provide safety equipment for people working on roofs in The Netherlands. At that time, safety was already more of a calling than business. Now, we are a rapidly growing international company that designs safety solutions for the most complex buildings in the world. We still have the same aspiration as we had when we started: to make working at heights safer and easier — for everyone, everywhere.

With innovative access-to-height solutions we provide everything that is necessary to get people working at height home safe.



INTERESTED?

Would you like to know more about the XSPlatforms fall protection solutions? Or would you like to receive a quote? Feel free to contact our XSPlatforms Partner at any time and they will be happy to help you.

FOLLOW XSPLATFORMS

Stay in touch! Follow XSPlatforms' social media channels for interesting articles and the latest news.



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