Since 1995, XSPlatforms has built a compelling track record designing, manufacturing, assembling, inspecting, and managing rooftop fall protection systems worldwide.

XSPlatforms systems are made to measure and comply with all relevant legislation and regulations, and are ergonomic and durable. We train users, perform risk assessments, work in accordance with ISO 9001:2008 and provide consulting services worldwide.

Our customers can feel confident that we understand their business, and we can come up with innovative answers to increasingly complex questions, time and again. That is why we develop and engineer our products as if our own lives depend on them.

Whose Responsibility Is Rooftop Safety?
- Architect/Engineer
- Principal Contractor & Sub-Contractors
- Safety Manager/Engineer
- Facilities Manager
- Building/Facilities Owner

Where Can XSPlatforms Systems Be Used?
- Roof access points, including roof hatches and ladders
- Roof edges
- Around mechanical and engineered systems, such as HVAC units, solar panels, antennas, satellite dishes, lighting systems, signage, etc.
- Walkways
- Skylights
- And all other roof areas requiring access for inspections and general maintenance
WHY XSPLATFORMS CABLE SYSTEMS?

Why Specify XSPlatforms Horizontal Lifeline Systems For Rooftop Fall Protection?

Reliability
XSPlatforms is the first in the industry to be certified by the TÜV quality institute to ISO 9001:2008 with each step of the production – from design to shipping – performed to certified procedures. In addition, all parts have a unique serial number for quality assurance and traceability.

Optimal Freedom Of Movement with Continuous Attachment
XS Linked systems allow you to move freely – while always connected to the cable lifeline – as you traverse all anchor points, including curves, corners, and ridge tops. The XS Slider traveler (aka glider or trolley) moves smoothly along the lifeline, while permitting you to work on both sides of the steel cable path.

Integrated Fall Arrestor
The XS Impact and XS Impact 360° anchoring points contain an intelligent reaction mechanism that bends in the direction of the fall to absorb the shock. This Integrated Fall Arrestor must be used with a deceleration device – a Self-Retracting Lanyard (SRL) or a Shock-Absorbing Lanyard (SAL) – so forces remain below 900 MAF (Maximum Arresting Force in lbs).

Anchors Install 4x Faster
The XS anchor points use a separate base plate that you fasten directly to the roof’s deck. In most cases, you just need one toggle fastener, compared to competitors’ 4 or more fasteners per anchor.

Totally Top Mounted
Mounts completely on top of insulation and roofing material (e.g., membrane) to minimize disturbance to your roof. Plus, you eliminate the time-consuming and difficult “under the roof” work of finding structural mounting points as required by other systems.

Maximum Protection of Roof
XS Impact and XS Impact 360° anchoring points can be used on all roof types thanks to the high absorption properties of the integrated fall arrestor. The bending arrestor ensures that even extremely light and fragile roof constructions sustain only slight (or no) damage in the event of a fall.

Universal Anchors
Installation kits are available for a wide range of roofing surfaces and roofing decks – steel, concrete, hollow core concrete, and plywood as thin as 1/2” (12mm). Materials used are compatible with any sealing material – plastic or bitumen.

Longer Distance Between Anchors
The XS Impact series fall arrestor allows greater distances between two anchoring points: up to 49.2’ (15m), depending on roof configuration. Fewer anchoring points means faster installation, inspections, and maintenance. Plus, the anchor’s post height allows for the use of an SRL (Self-Retracting Lanyard), while lifting the connection point above any layers of roofing aggregate (rocks).

Easy To Inspect
All XS anchoring points can be inspected at any time, both visually as well as through a pull-test – without activating the anchoring point. The strength of the attachment to a concrete roof can be easily verified without disassembling the anchoring point.

Durability
Extensive use of high-grade stainless steel and aluminum means very low-maintenance for years to come.

Easy To Repair
After a fall, an anchoring point is easily replaced. Thanks to the separate base plates (which are usually not damaged by a fall and therefore do not need to be replaced) this is a simple, relatively inexpensive step that requires no new penetrations to the roof. Typically, the topping component is removed, the bending kit post is replaced, and the topping component is reinstalled; there is no need to cut or remove the cable.

Meets All International Rooftop Fall Protection Standards
ANSI/ASSE Z359.1 2007
OSHA 1910.66, 1926.502
CAN/CSA Z259
# XS SYSTEMS
## SELECTOR GUIDE
Systems For Rooftop Fall Protection

### XS Single Anchor System
- **Point to Point Fall Protection**

### XS Linked Cable System
- **Full Roof Perimeter Fall Protection**
- **Single/Multi Span Fall Protection**

### XS Guardrails
- **Full Roof Fall Protection**

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## XS System Selector Guide

<table>
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<tr>
<th>Protection Level</th>
<th>XS Single Anchor System</th>
<th>XS Linked Cable System</th>
<th>XS Linked Cable System</th>
<th>XS Guardrail Systems</th>
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</thead>
<tbody>
<tr>
<td>★</td>
<td>Budget Fall Protection</td>
<td>Economical Fall Protection</td>
<td>Practical Fall Protection</td>
<td>Optimal Fall Protection</td>
</tr>
<tr>
<td>Main System Components</td>
<td>XS Globe or XS Impact 360° Anchor Points</td>
<td>XS Cable (lifeline), XS Impact Anchor Points, XS Slider Pro</td>
<td>XS Cable (horizontal lifeline), XS Impact Anchor Points, XS Slider Pro</td>
<td>XS Guardrails</td>
</tr>
<tr>
<td>Maximum Number of Users</td>
<td>1 per anchor point</td>
<td>4 per span/system</td>
<td>4 per span/system</td>
<td>No limit</td>
</tr>
<tr>
<td>Required User Training and System Knowledge</td>
<td>Advanced</td>
<td>Intermediate</td>
<td>Basic</td>
<td>None</td>
</tr>
<tr>
<td>Maximum Distance Between Anchor Points/Supports</td>
<td>Up to 20' (6m)</td>
<td>Up to 40' (12.2m)</td>
<td>Up to 40' (12.2m)</td>
<td>8' (2.44m)</td>
</tr>
<tr>
<td>Roof Type</td>
<td>Metal, Wood, Concrete, Hollow Core Concrete, Standing Seam</td>
<td>Metal, Wood, Concrete, Hollow Core Concrete, Standing Seam</td>
<td>Metal, Wood, Concrete, Hollow Core Concrete, Standing Seam</td>
<td>No limits</td>
</tr>
<tr>
<td>Installation (All are top-mounted onto any roof type/surface)</td>
<td>Multiple anchor points normally placed up to 20' (6m) apart and at least 13' (4m) from roof's edge.</td>
<td>Permanent stainless steel cable horizontal lifeline system installed on roof areas where specific worker access is required. The use of additional Globe anchors may be required to minimize severe swinging fall concerns.</td>
<td>Permanent stainless steel cable horizontal lifeline system installed along the perimeter of the roof, normally set back at a distance of 6' to 12' (2m to 4m) from the edge.</td>
<td>Fast-installing guardrail systems with straight, curved or folding uprights (posts). Freestanding weighted systems are either permanent or temporary.</td>
</tr>
<tr>
<td>Key Properties</td>
<td>Worker must approach and attach to anchors from a safe zone.</td>
<td>Promotes &quot;hands free&quot; horizontal mobility. Points of access must be identified and swing fall hazards addressed.</td>
<td>Promotes &quot;hands free&quot; horizontal mobility. Perimeter coverage allows for unlimited points of system access for workers.</td>
<td>No user knowledge needed.</td>
</tr>
</tbody>
</table>

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**Warning** - When selecting a system, if the required scope of work at any time exposes a worker to a fall hazard, they must attach to the XS system with a deceleration device or lanyard that has a 900 lb MAF rating. If it is determined that the required scope of work will not expose a worker to a fall hazard, then a fixed length lanyard or device may be used as part of a fall restraint system. All systems are designed for worst case fall arrest and therefore Rigid Lifelines recommends the use of devices and lanyards rated with a 900 lb MAF.
Experience the patented design of XSPlatforms Permanent Rooftop Anchor fall protection systems. XSPlatforms uses a versatile design that functions on steel, concrete, wood, or metal decking roof materials for any angle. This system is perfect for use on commercial buildings such as industrial warehouses, hotels, casinos, offices, and all types of manufacturing plants. With three different types of anchorages, it’s easy to find a solution that can address almost any application. Explore the illustrations below to learn more about common XS system designs and the main components.

XS Linked Cable Systems can be installed up to 4 times faster than other systems thanks to the patented XS Toggle Anchor design (XS Toggle Anchors available on all XS anchor systems). The XS Toggle Anchor only requires one hole to be drilled during installation, unlike other rooftop systems that can require up to four holes per anchorage (if not more).

The XS anchor design also allows the fall protection installation process to be more efficient by only requiring anchorage installation every 40 feet. Plus, minimizing the number of holes that need to be drilled will dramatically reduce damage to the actual roofing material. Remember, fewer holes will lower the opportunities for leaks.

### Roof Penetration Comparison

<table>
<thead>
<tr>
<th>System</th>
<th>Horizontal Lifeline Length (cable)</th>
<th>Anchorage Points Required (total)</th>
<th>Roof Penetrations (total)</th>
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<tr>
<td>XS Linked Cable System</td>
<td>480’</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Competing Systems</td>
<td>480’</td>
<td>22</td>
<td>68</td>
</tr>
</tbody>
</table>

XS Globe Anchor
Used as a stand-alone anchor, either in a Point-to-Point system, or on corners of a roof in an XS Linked Cable System to prevent the swing effect. In standard fall, XS Globe Eye Eyelet can be mounted on an XS Base Plate.

XS Intermediate
The XS Intermediate is used as a stand-alone anchor, either in a Point-to-Point system, or on corners of a roof in an XS Linked Cable System to prevent the swing effect. In standard fall, XS Intermediate can be mounted on an XS Base Plate.

XS Edge 45°
The XS Edge 45° enables the direction of the lifeline cable to be changed. Features an XS Edge 45° with an XS Impact Anchor.

XS Terminal Clip
The XS Terminal Clip is used to close an XS Linked Cable System and can be used on a corner or straight run. Features an XS Terminal Clip, XS Hold, and XS Tensioner mounted on an XS Impact Anchor.

XS Edge 90°
The XS Edge 90° enables the direction of the lifeline cable to be changed. Features an XS Edge 90° with an XS Impact Anchor.

XS Tensioner II
The XS Tensioner II features an XS Startpoint, XS Hold, and XS Tensioner mounted on an XS Impact Anchor.

XS Terminal
The XS Terminal features an XS Startpoint, XS Hold, mounted to an XS Impact Anchor.

XS Globe Anchor
Used as a stand-alone anchor, either in a Point-to-Point system, or on corners of a roof in an XS Linked Cable System to prevent the swing effect. In standard fall, XS Globe Eye Eyelet can be mounted on an XS Base Plate.

XS Intermediate
The XS Intermediate is used as a stand-alone anchor, either in a Point-to-Point system, or on corners of a roof in an XS Linked Cable System to prevent the swing effect. In standard fall, XS Intermediate can be mounted on an XS Base Plate.

XS Edge 45°
The XS Edge 45° enables the direction of the lifeline cable to be changed. Features an XS Edge 45° with an XS Impact Anchor.

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XS Edge 90°
The XS Edge 90° enables the direction of the lifeline cable to be changed. Features an XS Edge 90° with an XS Impact Anchor.

XS Tensioner II
The XS Tensioner II features an XS Startpoint, XS Hold, and XS Tensioner mounted on an XS Impact Anchor.

XS Terminal
The XS Terminal features an XS Startpoint, XS Hold, mounted to an XS Impact Anchor.
Basic Component Overview

**XS Impact – 11100**
The XS Impact can be used to support the XS Linked Cable System or as a stand-alone anchorage point. The anchorage point conforms to ANSI/ASSE Z359.1 2007, OSHA 1910.66, 1926.502, CAN/CSA Z259. The anchor’s bending kit fall arrestor will not be activated until a force of 675 lbf (3kN) is applied. The anchor is tested against a continuous force of 2250 lbf (10kN). The ultimate strength after deployment is greater than 4500 lbf (20kN).

**Features an aluminum base plate with a stainless steel AISI 304 (316 available) threaded receiver (“throat”) that accepts the bending kit post.**

**XS Base Plate – 11110**
Aluminum base plate with a stainless steel AISI 304 (316 available) threaded receiver (“throat”) that accepts the bending kit post. Attachment of the XS Base Plate depends on the roof’s deck material. Use XS Toggle Anchor (11300) on wooden or steel roof decks and the XS Mechanical Anchor (11400) on concrete or hollow-section concrete roofs.

**XS Bending Kit Posts – 11125 and 11126**
Bending Kit Post Fall Arrestor will not be activated until a force of 675 lbf (3kN) is applied. The anchor is tested against a continuous force of 2250 lbf (10kN). The ultimate strength after deployment is greater than 4500 lbf (20kN). The 11125 model is made from aluminum and 304 grade stainless steel. The 11126 model is made from aluminum and 316 grade stainless steel.

**XS Toggle Anchor – 11300**
The XS Toggle Anchor is used for fixing the anchorage point to steel and 3/4” (18mm) or thicker plywood roof deck. Stainless steel AISI 304 (316 available).

**XS Impact – 11100**
The XS Impact can be used to support the XS Linked Cable System or as a stand-alone anchorage point. The anchorage point conforms to ANSI/ASSE Z359.1 2007, OSHA 1910.66, 1926.502, CAN/CSA Z259. The anchor’s bending kit fall arrestor will not be activated until a force of 675 lbf (3kN) is applied. The anchor is tested against a continuous force of 2250 lbf (10kN). The ultimate strength after deployment is greater than 4500 lbf (20kN).

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**XS Toggle Anchor – 11300**
The XS Toggle Anchor is used for fixing the anchorage point to steel and 3/4” (18mm) or thicker plywood roof deck. Stainless steel AISI 304 (316 available).

**XS Mechanical Anchor – 11400**
The XS Mechanical Anchor is used for fixing the anchorage point to concrete and hollow core concrete (strength class at least C40/50 or 5800 psi). This is a Fischer anchor specially developed for high strength mounting in concrete. Stainless steel AISI 304 (316 available) with galvanized steel expansion anchor (“sleeve”).

**XS Globe Eye – 11210**

**XS Safety Eye 360° – 11260**
Replacement topping component for the XS Impact post.

**XS Terminal (Hold) – 12230**
One end is swaged to the lifeline. The other end is connected to an XS Impact anchorage point, with a stainless steel AISI 304 socket head screw M12 x 35mm. Stainless steel AISI 304 (316 available).

**XS Tensioner II system – 12300**
Consists of XS Startpoint, XS Hold, and XS Tensioner. The XS Startpoint (and its stainless steel threaded shaft) acts as the attachment point between the XS Hold and the XS Tensioner. The XS Tensioner is used for tightening the cable. Correct tension of the cable ensures correct functioning of all system components in the event of a fall. Stainless steel AISI 304 (316 available).
LINKED CABLE SYSTEM COMPONENTS

Basic Component Overview

**XS Intermediate – 12400**
- The XS Intermediate positions the lifeline cable on a XS Impact post so you can freely pass by the anchor without needing to disconnect from the lifeline.
- It can be installed in many different configurations and at regular intervals to ensure the optimum distribution of forces along the lifeline.
- Stainless steel AISI 304 (316 available).

**XS Edge 45° – 12500**
- The XS Edge 45° enables the direction of the lifeline cable to be changed. It is shaped specifically to allow you to move safely without needing to disconnect from the lifeline.
- Stainless steel AISI 304 (316 available).

**XS Edge 90° – 12600**
- The XS Edge 90° enables the direction of the lifeline cable to be changed. It is shaped specifically to allow you to move safely without needing to disconnect from the lifeline.
- Stainless steel AISI 304 (316 available).

**XS Slider – 12810**
- The XS Slider traveler (aka glider or trolley) connects the deceleration device (SRL or SAL) to the horizontal lifeline (cable).
- Its unique shape and design enables the smooth passage through anchorage points without the need to ever disconnect from the lifeline.
- Users are able to connect or disconnect at any location along the cable.
- The locking design makes inadvertent disconnections virtually impossible.
- Stainless steel AISI 304 (316 available).

**XS Cable – 13100**
- Stainless steel AISI 316.
- Diameter: 5/16" (8mm).
- Construction: 7x7 (7 wire bundles, 7 wires per bundle).

**XS Xtrusion – 11800**
- For installations on standing seam roofs.
- The XS Xtrusion is used to support the XS Linked Cable System or as a stand-alone anchorage point in combination with an XS Safety Eye 360°. Includes the Bending Kit Fall Arrestor.
- Stainless steel AISI 304 and aluminum.

**Extremity & Corner Fixation Screws – 11500**
- The extremity and corner fixation is a set of screws used for fixing corners and extremity posts of the XS Linked lifeline system onto steel and wooden roof decks.
- The length of the screws depends on the thickness of the insulation material. The screws provided are suitable for most applications. If you require different screws, please contact our sales department.
- Make sure that the Ø6 screws you use are at least 1.5" (35 mm) longer than the thickness of the insulation!
- Screws are galvanized steel.

**XS Base Plate Extra – 11700**
- The XS Base plate extra is used beneath the XS Base Plate for installing the XS Impact, XS Globe, and XS Impact 360° on plywood decks with a minimum thickness of 3/4" (18mm).
- Aluminum.

**XS Adapter Set – 11710**
- The XS Adapter is used under the XS Base Plate to assemble the XS Impact, XS Globe, and XS Impact 360° on plywood decks with a minimum thickness of 1/2" (12mm).
- The aluminum adapter plate is mounted to the roof using the four provided M10 XS Toggle Anchors.
- Stainless steel AISI 304 (316 available).
FAST ANCHOR INSTALLATION

**For Steel Deck Roofs**
Features the XS Toggle Anchor; suitable for all types of steel roofs (minimum 0.03” or 0.75mm thick).

**For Concrete Deck Roofs**
Features the XS Mechanical Fischer anchor for high-strength mounting into concrete and hollow core concrete (strength class at least C40/50 or 5800 psi).

**For Wooden Deck Roofs**
Min. 3/4” (18mm) Plywood
Features the XS Toggle Anchor and XS Base Plate Extra.
Shown here with a set of four screws for extremity and corner fixation; the screws go through the pre-drilled holes in both the XS Base Plate and XS Base Plate Extra. The extremity and corner fixation screws are also used on steel roofs, as well as wooden ones.

Min. 1/2” (12mm) Plywood
Features the XS Adapter Set: the aluminum adapter plate is mounted using four XS Toggle mini anchors.
Note: the waterproofing layer (aka “capping sheet”) is typically specified by your roofer.
XS GUARDRAIL SYSTEMS
Maximum Functionality & Aesthetics

**XS Fixed**
The XS Fixed is a freestanding, straight upright for securing the guardrail tubes in position.

**XS Flex**
Maximum protection with minimal visual impact. The straight guardrails in the XS Guardrail series are also available in a collapsible (XS Flex) version, making them only visible when roof work is actually being performed. The XS Flex is a freestanding, fold-away upright for securing the guardrail tubes in position.

**XS Curved**
The XS Curved is a freestanding curved upright for securing the guardrail tubes in position. The curved designs provide extra safety (by keeping people further from the roof edge) and, thanks to their attractive design, can accentuate the architectural design of your building.
XS GUARDRAIL SYSTEMS

Maximum Functionality and Aesthetics

No Roof Penetrations, No Leaks
XS Guardrails use a freestanding design that requires no drilling into your roof, so your roof’s waterproofing capacity is unaffected. Long stand bases (beams) and concrete counterweights keep the freestanding system securely in place.

Because the system does not need to be attached to the roof, it is suitable for virtually any roof type, including standing seam roofs, built-up roofs (BUR), and secret fix roofs.

Flexible: Any Installation Can Be Permanent or Temporary
Suitable for almost all roofs with slopes between 0° and 15°, XS Guardrails can also be used on working platforms and technical terraces. Whether permanent or temporary, installation is done virtually the same way. (One exception: XS Reclamps can be more convenient for temporary installations than using XS Clamps.) Permanent or temporary: XS Guardrails give facility owners the ultimate in system flexibility.

The Highest Level of Protection, With No User Training Needed
XS Guardrails turn your entire rooftop into a safe access area with:
- No limits on the number of users
- No Personal Protection Equipment (PPE) needed
- No special precautions required
- No specific fall protection training necessary

Install 800’ to 1000’ A Day
Two people can install between 800’ to 1000’ (250 to 300 meters) of guardrail per day. Because the components ‘click’ into place, practically no tools are required – just one special wrench. For increased installation safety and speed, the knee and hand rails are clicked into place from above, instead of passed through the uprights from the side.

Traceability Means Accountability
For 100% quality accountability, XSPlatforms gives every product its own production number in combination with its production date.

Optional Toe Plate
For buildings with flat roofs that have no parapets or lips, the XS Guardrail can be easily equipped with an integrated toe plate to prevent materials from rolling or sliding off the roof.
MAIN
COMPONENTS

XS Guardrail System

XS Fixed – 21100
These straight uprights are placed 8’ (2.44m) apart to support the XS Guardrails. Each 21100 order includes the following:

21100 - XS Fixed – aluminum upright
21110 - XS Clamp (2x) – aluminum
21120 - Self-Drilling Screw - stainless steel AISI 304 (connects horizontal beam to upright)
21130 - Hex Bolt MB - stainless steel AISI 304 (connects horizontal beam to XS-Mass)
21140 - Closure Ring - stainless steel AISI 304 (plain washer used with self-drilling screw 21120)
21150 - Protection Sole – rubber (goes under the horizontal beam, directly beneath the upright beam, to protect the roof)
21160 - XS Reclamp (2x) - stainless steel AISI 304 with plastic cap (used to clamp the guardrails tubes in a temporary XS-Guardrail system)
22300 - XS Mass – PVC-coated concrete, 54 lbs. (20.4 kg)

Note: Horizontal Beams 22100 (3m) or 22200 (6m) are sold separately.

XS Flex – 21200
These foldable uprights are placed 8’ (2.44m) apart to support the collapsible XS Guardrails. Each 21200 order includes the following:

21300 - XS Fixed – aluminum upright
21110 - XS Clamp (2x) – aluminum
21120 - Self-Drilling Screw - stainless steel AISI 304 (to connect horizontal beam to upright)
21130 - Hex Bolt MB - stainless steel AISI 304 (to connect horizontal beam to XS Mass)
21140 - Closure Ring - stainless steel AISI 304 (washer used with 21120 self-drilling screw)
21150 - Protection Sole – rubber (goes under the horizontal beam, directly beneath the upright beam, to protect the roof)
21160 - XS Reclamp (2x) - stainless steel AISI 304 with plastic cap (used to clamp the guardrails tubes in a temporary XS Guardrail system)
22300 - XS Mass – PVC-coated concrete, 54 lbs. (20.4 kg)

Note: Horizontal Beams 22100 (3m) or 22200 (6m) are sold separately.

XS Curved – 21300
These curved uprights are placed 8’ (2.44m) apart to support the XS Guardrails. Each 21300 order includes the following:

21300 - XS Fixed – aluminum upright
21110 - XS Clamp (2x) – aluminum
21120 - Self-Drilling Screw - stainless steel AISI 304 (to connect horizontal beam to upright)
21130 - Hex Bolt MB - stainless steel AISI 304 (to connect horizontal beam to XS Mass)
21140 - Closure Ring - stainless steel AISI 304 (washer used with 21120 self-drilling screw)
21150 - Protection Sole – rubber (goes under the horizontal beam, directly beneath the upright beam, to protect the roof)
21160 - XS Reclamp (2x) - stainless steel AISI 304 with plastic cap (used to clamp the guardrails tubes in a temporary XS Guardrail system)
22300 - XS Mass – PVC-coated concrete, 54 lbs. (20.4 kg)

Note: Horizontal Beams 22100 (3m) or 22200 (6m) are sold separately.

XS Standing Seam Kit – 21190

Includes:
XS Base Steel Deck - aluminum
XS Mounting Kit - stainless steel AISI 304 (316 available) Gasket – rubber

XS Built-Up Roof (BUR) Kit – 21191

Includes:
XS Base Steel Deck – aluminum
XS Mounting Kit – stainless steel AISI 304 (316 available) Gasket – rubber
MAIN COMPONENTS

XS Guardrail System

XS Secret Fix Kit – 21192

Includes:
- XS Base Steel Deck - aluminum
- XS Mounting Kit - stainless steel AISI 304 (316 available)
- Gasket – rubber

XS Clamp – 21110
Used to clamp the guardrail tubes to the upright in a permanent or temporary XS Guardrail system. Aluminum.

XS Reclamp – 21160
Used to clamp the guardrail tubes to the upright for a temporary XS Guardrail system. Stainless steel AISI 304 with plastic cap.

XS Edge 45º – 21400
Used to construct a 45º bend in an XS Guardrail system. Two pieces are needed for each corner. Aluminum.

XS Edge Xtra – 21450
Used to construct a custom angle bend in an XS Guardrail system. The bending connection is fixed by the installer by tightening a hex screw. Two pieces are needed for each corner. Aluminum.

XS Edge 90º – 21500
Used to construct a 90º bend in an XS Guardrail system. Two pieces are needed for each corner. Aluminum.

XS Connect – 21600
Used to connect the handrail to the knee rail in an XS Guardrail system. Aluminum.

XS Connected – 21700
Used to make a connection between an XS Guardrail system and a wall. Tube is welded to mounting flange with 4 pre-drilled mounting holes. Two pieces are needed for each wall connection. Stainless steel AISI 304. Screws for mounting to wooden walls, concrete walls, brick/stone walls, and steel walls sourced locally.

XS Joint – 21800
Used to make connections between XS Tube, XS Edge 45º, XS Edge 90º, and XS Connect components. Aluminum.

XS Tube – 22100 / 22200
Used as a hand or knee rail in XS Guardrail systems. Clamps into the XS Fixed, XS Flex, and XS Curved uprights using the XS Clamp or XS Reclamp. Aluminum.

22100 is 9.84’ (3m) long
22200 is 19.68’ (6m) long

XS Entry – 21900
Used as access door to a roof, caged ladder, or hatch. The XS Entry is placed between two uprights as part of an XS Guardrail system. Aluminum.

XS Mass – 22300
Used as counterweights for the XS Fixed, XS Flex, and XS Curved uprights. The counterweights are fixed to the horizontal (base) beam by an M8 hex bolt. For all free ends, a second stacked counterweight is required; the two weights are fixed to the horizontal beam via an extra-long hex bolt. 54 lbs. (20.4 kg). PVC-coated concrete.

XS Toe Board – 22400 / 22500
Used to add a toe board to an XS Guardrail system on flat roofs that have no parapets or lips so as to prevent materials from rolling or sliding off the roof. The XS Toe Board is installed by clicking it onto the XS Toe Board Bracket and then tightening it with a screw. Aluminum.

22400 is 4.46’ (1.36m) long
22500 is 7.41’ (2.26m) long

XS Toe Board Bracket — 22410 / 22420
The XS Toe Board Bracket is installed by screwing it onto the XS upright. (Uses the same screw as is used for fastening the XS upright to its horizontal beam.) Aluminum.

22410 - XS Toe Board Bracket
22420 - XS Toe Board Bracket End