

Product Catalog

Version 2.86



Our products are supported with powerful online tools and experienced sales and service teams, who are dedicated to making solar easy to design, procure and install.

Overview

1 Overview

XR Rail® Assembly

- 2 Overview
- 3 XR Rail®
- 4 BOSS® Splices
- 5 Universal Fastening Objects (UFO®)
- **6** Stopper Sleeves
- 7 CAMO®
- 8 Calculating Rail Length
- 9 End Caps
- 10 Wire Clips
- 11 Grounding Lugs
- 12 Microinverter / Power Optimizer Bonding Hardware
- 13 Frameless Module Hardware Kits
- 14 Frameless Module Mid Clamps
- 15 Frameless Module End Clamps

Flush Mount

- 16 Overview
- 17 FlashFoot2®
- 18 FlashVue®
- 19 Knockout Tile
- 20 All Tile Hook & Deck Flashing
- 21 Conduit Mount
- 22 Slotted L-Foot
- 23 Bonding Attachment Hardware
- 24 Contour™ Trim

Tilt Mount

- 25 Overview
- 26 Fixed Tilt Legs
- 27 Flat Roof Attachment

BX™ Ballasted Mount

- 28 Overview
- 29 BX Chassis
- 30 BX Clamps
- 31 BX Bonding Jumpers
- 32 BX MLPE Mounting Hardware
- 33 BX PV Module Grounding Lug
- 34 BX Cable Ties
- 35 BX Inverter Mounting Assembly
- **36** BX Flat Roof Mounting Assembly

Ground Mount

- 37 Overview
- 38 Top Caps
- 39 Bonded Rail Connectors
- 40 Hex Head Set Screws
- 41 Diagonal Brace Assembly Kits
- 42 Schedule 40 Pipe Summary

QuickMount® Components

- 43 QRail® Assembly
- 44 Comp Shingle Mounts
- **45** Tile Roof Mounts
- **46** Lynx[™] Metal Roof Clamp
- **46** JayBox™ Junction Box
- 46 Other Mounts & Accessories

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Overview



The IronRidge® Flush Mount System is a rail based system for mounting solar modules on pitched roofs. The system utilizes IronRidge XR Rails® with a variety of roof attachments to support extreme wind and snow loads. The entire system uses only aluminum and stainless steel components to ensure complete corrosion resistance.



The IronRidge® Tilt Mount System is an attached, fixed-tilt assembly for mounting solar modules on flat roofs. The system pairs IronRidge XR Rails® with North & South Tilt Legs to achieve a wide range of mounting angles, while also supporting extreme wind and snow loads.



The IronRidge® Ground Mount System scales to support a wide range of site and terrain challenges. This system consists of components that allow for installer-supplied steel pipe or mechanical tubing to combine with our XR100® or XR1000® Rail assembly for simple, rapid, cost effective ground mounting.



The IronRidge® BX Ballasted System delivers superior power density and design flexibility to flat roof solar arrays. Made of a glass reinforced composite, the BX Chassis is engineered for extreme structural loading, yet is also shaped to be roof-friendly and easy to install.



The **QuickMount**® product line is now a part of the IronRidge® solar mounting family of components.



XR Rail® Assembly Overview

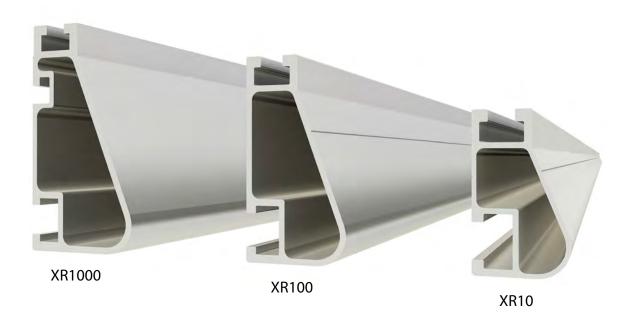


Our product development team strives to keep things simple and intuitive for installers while accommodating a wide range of mounting scenarios. As a result, we offer three complementary types of rail within the XR Rail® Family. Please refer to our website or contact our customer service team so that we can best assist in determining which rail assembly is best for you and your specific project.

Page 2 v2.86



XR Rail®



Item Number	Description	Item Number	Description
XR-1000-168A	XR1000, Rail 168" (14 Feet) Clear	XR-10-168A	XR10, Rail 168" (14 Feet) Clear
XR-1000-204A	XR1000, Rail 204" (17 Feet) Clear	XR-10-168B	XR10, Rail 168" (14 Feet) Black
XR-100-168A	XR100, Rail 168" (14 Feet) Clear	XR-10-204A	XR10, Rail 204" (17 Feet) Clear
XR-100-168B	XR100, Rail 168" (14 Feet) Black	XR-10-204B	XR10, Rail 204" (17 Feet) Black
XR-100-204A	XR100, Rail 204" (17 Feet) Clear		
XR-100-204B	XR100, Rail 204" (17 Feet) Black		

The XR Rail Family offers the strength of a curved rail in three targeted sizes. Each size supports specific design loads, while minimizing material costs. Depending on your location, there is an XR Rail to match. XR1000° is a heavyweight among solar mounting rails. It's built to handle extreme climates and spans 12 feet or more for commercial applications. XR100° is the ultimate residential mounting rail. It supports a range of wind and snow conditions, while also maximizing spans. XR10° is a sleek, low-profile mounting rail, perfectly matched to regions with light or no snow. It achieves 6 foot spans, while also staying light and economical.

Page 3 v2.86



BOSS® Bonded Structural Splices



Item Number	Description
XR10-BOSS-01-M1	Bonded Strucutral Splice, XR10
XR100-BOSS-01-M1	Bonded Strucutral Splice, XR100
XR1000-BOSS-01-M1	Bonded Strucutral Splice, XR1000

The BOSS® (Bonded Structural Splice) provides a truly seamless, hidden connection for XR Rails®. Built-in, one-piece springs feature bonding teeth that bite inside the rail, creating a bonded rail connection and meeting all UL standards without any extra tools or hardware. In addition, BOSS® eliminates installation restrictions. Place it anywhere except the outside cantilever.

Page 4 v2.86



Universal Fastening Objects (UFO®)



Item Number	Description
UFO-CL-01-A1	Universal Module Clamp, Clear
UFO-CL-01-B1	Universal Module Clamp, Black

The IronRidge UFO® (Universal Fastening Object) is a single-size, single-piece fastener, built to quickly and securely bond any solar modules to XR Rails. It comes fully-lubricated and fully-assembled, and it looks just as good as it performs. When combined with a Stopper Sleeve, the UFO® functions as an end clamp. It comes in two finishes: Clear and Black.

Page 5 v2.86



Stopper Sleeves





Item Number	Description (Mill)	Item Number	Description (Black)
UFO-STP-30MM-M1	Stopper Sleeve, 30MM	UFO-STP-30MM-B1	Stopper Sleeve, 30MM
UFO-STP-32MM-M1	Stopper Sleeve, 32MM	UFO-STP-32MM-B1	Stopper Sleeve, 32MM
UFO-STP-33MM-M1	Stopper Sleeve, 33MM	UFO-STP-33MM-B1	Stopper Sleeve, 33MM
UFO-STP-35MM-M1	Stopper Sleeve, 35MM	UFO-STP-35MM-B1	Stopper Sleeve, 35MM
UFO-STP-38MM-M1	Stopper Sleeve, 38MM	UFO-STP-38MM-B1	Stopper Sleeve, 38MM
UFO-STP-40MM-M1	Stopper Sleeve, 40MM	UFO-STP-40MM-B1	Stopper Sleeve, 40MM
UFO-STP-46MM-M1	Stopper Sleeve, 46MM	UFO-STP-46MM-B1	Stopper Sleeve, 46MM

The IronRidge Stopper Sleeve snaps onto the IronRidge UFO® to transform it into an end clamp. It comes in mill and black finishes and is sized to match a range of module frames.

Page 6 v2.86



CAMO®



Item Number	Description	
CAMO-01- M1	Hidden End Cam (Universal Clamp)	

CAMO® is a tool-less, end-cam clamp, designed to bond and secure while staying completely hidden under the solar module. It comes as one piece, fully assembled, and has been tested up to 5 times to ensure bonding after installation, removal, and re-installation. Certified to IBC ASCE/SEI-7 and UL 2703.



Calculating Rail Length

Calculate the row lengths as follows:

- 1. Add module widths.
- 2. Add width of UFO® between modules.
- 3. Add allowances for UFO® and Stopper Sleeves on ends of rail.

Depending on the location of the UFO®, the clearance values will differ.

Location	UFO®
Mid Clamp	0.375"
End Clamp	1.0"

For example, to mount five modules that are each 40" wide (in portrait), the row length is calculated as follows:

Step	UFO®
1. Add module widths	5 x 40" = 200"
2. Add width of mid clamps between modules	4 x 0.375" = 1.5"
3. Add allowances for end clamps	2 x 1" = 2
Total length of row	203.5" = 16.96'

Two 17' rails will be required to mount this row of five modules.

IronRidge stock rail lengths: 11', 14', 17'. Custom lengths available via special order.



End Caps



Item Number	Description
XR-1000-CAP	XR1000® End Cap, 10 Sets Per Bag
XR-100-CAP	XR100® End Cap, 10 Sets Per Bag
XR-10-CAP	XR10® End Cap, 10 Sets Per Bag

End Caps provide a finished look to rails, while preventing the collection of water and debris inside the rail. End Caps are molded from black polycarbonate with UV protection.

Page 9 v2.86



Wire Clips



Description	
Wire Clip, 20pcs	

Wire Clips fit XR Rails®, and accommodate up to ten 5mm panel wires, or one MC4, one Enphase wire and one dual Enphase wire. Molded from black polycarbonate with UV protection.

Page 10 v2.86



Grounding Lugs



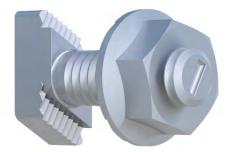
Item Number	Description
XR-LUG-03-A1	Grouding Lug, Low Profile

A single Grounding Lug connects an entire row of PV modules to the grounding conductor.



Microinverter / Power Optimizer Bonding Hardware





Item Number	Description
BHW-M1-01-A1	Microinverter Bonding Hardware, T-Bolt

Use IronRidge® Microinverter Bonding Hardware to bond compatible microinverters and power optimizers to the racking system.

COMPATIBLE PRODUCTS

Enphase - M250-72, M250-60, M215-60, C250-72, S230, S280

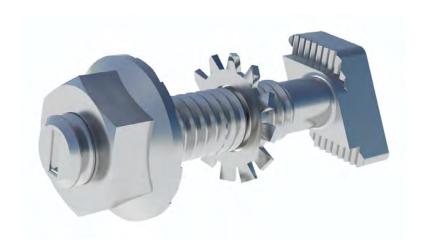
Darfon - MIG240, MIG300, G320, G640

Solar Edge - P300, P320, P400, P405, P600, P700, P730, P800p, P800s

Page 12 v2.86



Frameless Module Hardware Kits



Item Number	Description
FMLS-BHW	Kit, 4pcs, Frameless Module Clamp Bonding Hardware, T-Bolt

Use the Frameless Hardware Kit with IronRidge's Frameless Clamps to mount frameless solar modules (one piece needed per clamp).

Page 13 v2.86



Frameless Module Mid Clamps



Item Number Description

FMLS-MC-001-B Frameless Module Mid Clamp, Black

Use IronRidge's Frameless Module Mid Clamp to mount frameless solar modules.



Frameless Module End Clamps



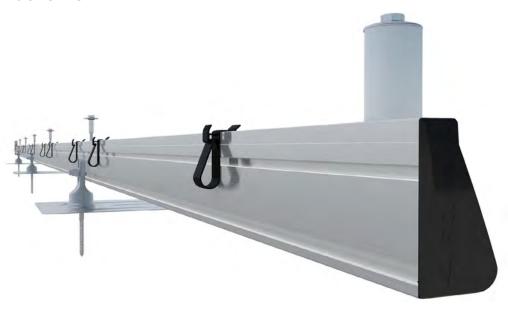
Item Number	Description
FMLS-EC-001-B	Frameless Module End Clamp, Black

Use IronRidge's Frameless Module End Clamp to mount frameless solar modules.

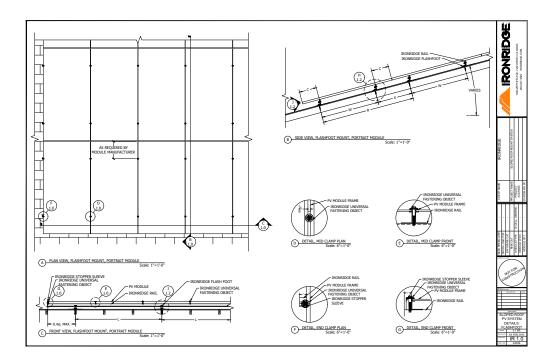
Page 15 v2.86



Flush Mount Overview



The IronRidge Flush Mount System is a rail based system for mounting solar modules on pitched roofs. The system utilizes IronRidge XR Rails® with a variety of roof attachments to support extreme wind and snow loads. The entire system uses only aluminum and stainless steel components to ensure complete corrosion resistance.



Page 16 v2.86



FlashFoot2®



Item Number	Description
FF2-01-M2	FlashFoot2, Mill
FF2-01-B2	FlashFoot2, Black

IronRidge FlashFoot2® features a completely redesigned seal that is both elevated and fully encapsulated, protecting against water intrusion. The flashing has a 9"x 12" profile, which minimizes interference with roofing nails. FlashFoot2® has alignment markers help to quickly align the flashing with pilot holes. Twisting on the Cap makes FlashFoot2® ready to mount XR Rails®. Comes with flashing, lag bolt, and Cap.

Page 17 v2.86



FlashVue®



Item Number	Description
FV-01-M1	FlashVue®, Mill (GripCap® Included)
FV-01-B1	FlashVue®, Black (GripCap® Included)
FV-GCP-01-B1	GripCap+®, Black

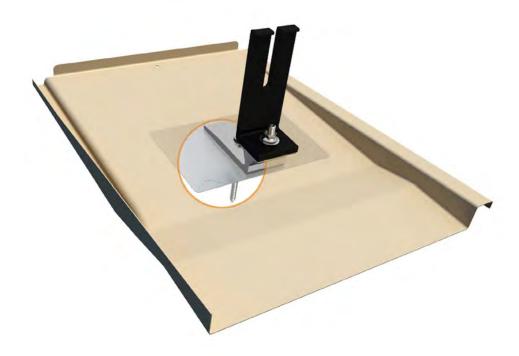
We set out to design a flashing that checked all the boxes: fully waterproof, fast and easy to install correctly, economical, and strong enough to handle every environmental condition. FlashVue® does it all. The optimized flashing design features a large viewport, for easy alignment with the pilot hole. And the GripCap® and GripCap+® sit snugly in place, so the lag can be driven single-handedly.

GripCap+® adds another full inch of hieght and replaces the standard GripCap® on FlashVue®. This is helpful on older roofs with varying undulations that can make low-profile mounts a challenge.

Page 18 v2.86



Knockout Tile



Item Number	Description
KOB-1L02-B1	Tile Replacement Base (Incl. 1 Open-Slotted L-Foot (Black), 1 Lag and Hardware)
KOF-F01-T1	Tile Replacement Flashing Flat, Tan
KOF-S01-T1	Tile Replacement Flashing S, Tan
KOF-W01-T1	Tile Replacement Flashing W, Tan
KODF-1L01-M1	Knockout Tile Deck Flashing (Optional)

IronRidge Knockout Tile is a tile replacement mount that installs fast and works on flat, S, or W tiles, as well as, on roofs with battens or roofs that are battenless. Its simple base allows you to put it anywhere within the flashing pad on the rafter, and just punch a small hole in the flashing where it is needed—with no cutting or grinding. Open-Slotted L-Foot included. Knockout Tile is fully tested to our rigorous standards, certified as a system with XR Rail® and covered by our 25-year warranty. The Knockout Tile Deck Flashing can add an extra layer of water protection, when necessary.

Page 19 v2.86



All Tile Hook & Deck Flashing



Item Number	Description
ATH-01-M1	All Tile Hook (Incl. 2 Lags)
QM-THDF-01-M1	QuickMount® Tile Hook Deck Flashing

All Tile Hook is a simple, adjustable roof attachment for mounting solar on tile roofs. It works with flat, S, and W tiles, can be used with our universal Tile Hook Deck Flashing (compatible with both IronRidge All Tile Hook and Quick Hook®), and utilizes 7/16" hardware—making it a single socket installation. All Tile Hook is fully tested to our rigorous test standards, certified as a system with XR rail and covered by our 25-year warranty.

Page 20 v2.86



Conduit Mount



Item Number	Description
FM-CM- 001-B	Kit, 4pcs, Conduit Mount, Black

The IronRidge Conduit Mount elevates and securely fastens conduit to the roof deck with the proven waterproofing features of FlashFoot2. Aligning with any direction, Conduit Mount supports ¾" or 1" EMT conduit and other equipment such as a junction box for a sleek, versatile solution.



Slotted L-Foot



Item Number	Description
LFT-03-M1	Slotted L-Foot, Mill
LFT-03-B1	Slotted L-Foot, Black

Our Slotted L-feet are engineered for most roof mounting applications. Vertical slots allow for easily dropping in rails with pre-attached hardware and provide adjustability to account for roof irregularities. Our L-feet are manufactured using 6000 series aluminum and are also available in black anodized finish.



Bonding Attachment Hardware



Item Number	Description
BHW-SQ-02-A1	Square Bolt Bonding Hardware, 1 pc
BHW-TB-02-A1	T-Bolt Bonding Hardware, 1 pc

Attachment bonding hardware available in both square bolt and t-bolt options, based on personal preference. Bonding hardware is used to attach and bond the rail to the FlashFoot2®, Slotted L-Foot, or a third-party roof attachment. The step nut allows installers to use the same socket as the rest of the system.



Contour™ Trim



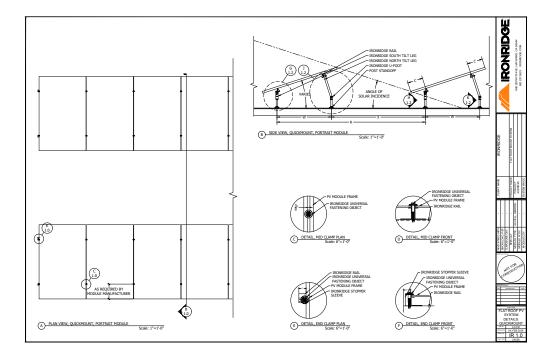
Item Number	Description
CTR-TR84-01-B1	Contour Trim, 84"
CTR-SPLC-01-M1	Contour Splice
CTR-CL-01-B1	Contour Clamp
CTR-OUT-01-B1	Contour Corner Cap, Outer
CTR-IN-01-B1	Contour Corner Cap, Inner
CTR-CAP-01-B1	Contour End Caps (L-R Pair)

IronRidge Contour™ Trim elevates the look of any solar array by providing a sleek trim (or skirt) across the south edge or around the perimeter to hide components that are visible beneath the solar panels. Homeowners want the solar on their home to meet their energy needs, while not detracting from their home's aesthetics. Contour™ will make any array look great, and have your crew on and off the roof in a snap.





The IronRidge® Tilt Mount System is an attached, fixed-tilt assembly for mounting solar modules on flat roofs. The system pairs IronRidge XR Rails® with North & South Tilt Legs to achieve a wide range of mounting angles, while also supporting extreme wind and snow loads. The entire system uses only aluminum and stainless steel components to ensure complete corrosion resistance.



Page 25 v2.86



Fixed Tilt Legs



Item Number	Description
TM-FTL-010	Kit, Fixed Tilt Leg, 10", Mill
TM-FTL-015	Kit, Fixed Tilt Leg, 15", Mill
TM-FTL-020	Kit, Fixed Tilt Leg, 20", Mill
TM-FTL-025	Kit, Fixed Tilt Leg, 25", Mill
TM-FTL-030	Kit, Fixed Tilt Leg, 30", Mill

Fixed Tilt Leg Kits are available in multiple lengths to support a wide range of mounting angles. The Fixed Tilt Leg Kit includes a North & South Tilt Leg, plus hardware for attaching to XR Rails®. South Tilt Legs come assembled and feature angle indicator markings to simplify installation. North Tilt Legs consists of a slotted aluminum tube and a pivot bracket for full adjustability.

Page 26 v2.86



Flat Roof Attachment



Item Number	Description
FRA-BASE-01-M1	Flat Roof Attachment, Mill
FRA-M60T-GF-W1	Flat Roof Attachment, Membrane, 60 mil, TPO, GAF, White
FRA-M60P-GF-W1	Flat Roof Attachment, Membrane, 60 mil, PVC, GAF, White
FRA-M60T-JM-W1	Flat Roof Attachment, Membrane, 60 mil, TPO, Johns Manville, White
FRA-M60T-MH-W1	Flat Roof Attachment, Membrane, 60 mil, TPO, Mule Hide, White
FRA-M60P-MH-W1	Flat Roof Attachment, Membrane, 60 mil, PVC, Mule Hide, White
FRA-M60T-FS-W1	Flat Roof Attachment, Membrane, 60 mil, TPO, Firestone, White
FRA-M60T-CA-W1	Flat Roof Attachment, Membrane, 60 mil, TPO, Carlisle, White
FRA-M60K-CA-W1	Flat Roof Attachment, Membrane, 60 mil, KEE, Carlisle, White
FRA-M60P-SN-W1	Flat Roof Attachment, Membrane, 60 mil, PVC, Sarnafil, White

The IronRidge® Flat Roof Attachment combines a high-strength cast aluminum base with a 16-point fastening pattern to enable the widest range of design options on low-sloped roofs. In addition, it is compatible with most of the common low-slope roofing materials to ensure a system that is both easy to integrate and engineered down to the deck.

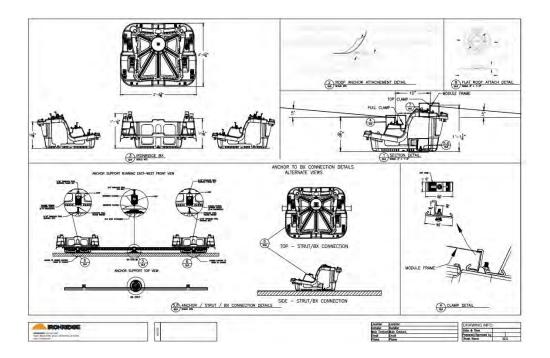
Page 27 v2.86



BX Overview



The IronRidge® BX System is designed to meet the needs of commercial solar—navigating complex roof layouts, while also handling the most extreme environmental conditions. At the very core of the system is the Chassis, a ballasted mount made of lightweight glass-reinforced composite and molded specifically for the needs and challenges of solar installations.



Page 28 v2.86



BX Chassis



Item Number	Description
BX-5D-P1	BX Chassis, 5 Degrees
BX-10D-P1	BX Chassis, 10 Degrees

At the core of the BX system is the Chassis, a ballasted mount made of BASF Ultramid. Ultramid polyamides (nylon) are exceptional for their high mechanical strength, rigidity and thermal stability. Moreover, Ultramid polyamides afford good impact resistance even at low temperatures, advantageous sliding friction properties and problem-free processing. Chassis come in 5° and 10° options.

Page 29 v2.86



BX Clamps



Item Number	Description	Item Number	Description (Black)
BX-TCL-30MM-M1	BX Top Clamp, 30MM, Mill	BX-BCL-M1	BX Bottom Clamp, Mill
BX-TCL-32MM-M1	BX Top Clamp, 32MM, Mill		
BX-TCL-33MM-M1	BX Top Clamp, 33MM, Mill		
BX-TCL-35MM-M1	BX Top Clamp, 35MM, Mill		
BX-TCL-38MM-M1	BX Top Clamp, 38MM, Mill		
BX-TCL-40MM-M1	BX Top Clamp, 40MM, Mill		
BX-TCL-46MM-M1	BX Top Clamp, 46MM, Mill		

The Top and Bottom Clamps of the BX System combine to create a multi-directional grip on the module from above and below, ensuring a strong connection regardless of force direction.

Page 30 v2.86



BX Bonding Jumpers



Item Number	Description
BX-MB8-M1	8" Module Bonding Jumper
BX-RB38-M1	38" Row Bonding Jumper

8" Module Bonding Jumper bonds adjacent modules in the array, while the 38" Row Bonding Jumper completes row-to-row bonding in the array. BX Bonding Jumpers use a press-on installation, being made of tin-plate copper wire and providing a factory-crimped connection.



BX MLPE Mounting Hardware



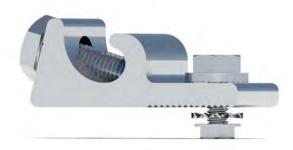
tem Number	Description
-CMA-MI-M1	BX MLPE Mounting Assembly

Optional mounting hardware for mounting MLPE devices to BX Chassis. Kit includes stainless steel 300 series cap screw and cage nut.

Page 32 v2.86



BX PV Module Grounding Lug



Item Number	Description
PV-LUG-01-A1	PV Module Grounding Lug

At the core of the BX system is the Chassis, a ballasted mount made of BASF Ultramid. Ultramid polyamides (nylon) are exceptional for their high mechanical strength, rigidity and thermal stability. Moreover, Ultramid polyamides afford good impact resistance even at low temperatures, advantageous sliding friction properties and problem-free processing. Chassis come in 5° and 10° options.



BX Cable Ties



Item Number	Description
BX-CT-UV-P1	BX Cable Tie, UV Rated, Black
BX-CT-EC-P1	BX Cable Tie and Edge Clip, UV Rated, Black

Complete wire management with weatherproof ties that are made of UV stabilized polyamide. Cable Ties come in 12" length, bundles of 100. Cable Tie with Edge Clips help to manage wires underneath module and Chassis flange by clipping to module and Chassis.



BX Inverter Mounting Assembly



Item Number	Description
BX-CMA-SI-M1	BX Inverter Mounting Assembly

The BX Inverter Mounting Assembly includes all parts needed (Chassis, XR10° Rail, and hardware) to create a mounting platform for an inverter (with up to a 4′ base).

Page 35 v2.86



BX Flat Roof Mounting Assembly



Item Number	Description
BX-MA-FRA-M1	BX Flat Roof Mounting Assembly

The BX Flat Roof Mounting Assembly provides parts (to be combined with the IronRidge Flat Roof Attachment and locally-sourced strut and channel nuts) to add Flat Roof Attachment anchors to the BX System.

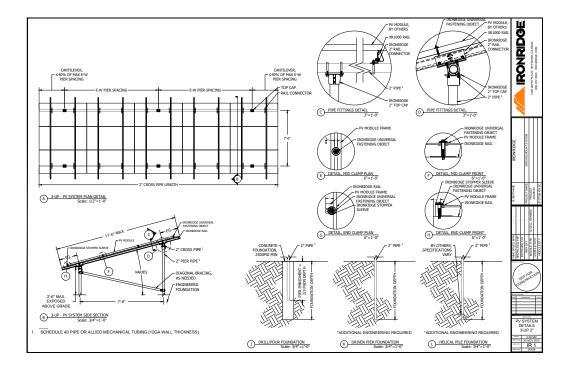
Page 36 v2.86



Ground Mount Overview



The IronRidge® Ground Mount System scales to support a wide range of site and terrain challenges. This system consists of components that allow for installer-supplied steel pipe or mechanical tubing to combine with the XR100® or XR1000® rail assembly for simple, rapid, cost effective ground mounting.



Page 37 v2.86



Top Caps



Item Number	Description
70-0200-SGA	SGA Top Cap at 2", Mill
70-0300-SGA	SGA Top Cap at 3", Mill

Our heavy duty cast aluminum IronRidge Top Caps secure quickly and easily to galvanized schedule 40 pipe (ASTM A53 Grade B) or mechanical tubing (i.e. Allied Flo-Coat, Gatorshield, Gatorshield-Plus) piers with with 2 set screws. Available in sizes that fit either 2" or 3" steel pipe and mechanical tubing, the top cap supports cross pipes with U-bolt hardware. The top caps are manufactured using cast aluminum ALMAG 535 and come with a mill finish. As a reminder, the substructure pipe and mechanical tubing are not included.

2" Pipe/Tubing Outside Diameter = 2.375" (2 3/8")

3" Pipe/Tubing Outside Diameter = 3.5"

2" Schedule 40 Pipe Wall Thickness = 0.154"

2" Allied Mechancial Tubing Wall Thickness = 0.109"

3" Schedule 40 Pipe Wall Thickness = 0.216"

3" Allied Mechancial Tubing Wall Thickness = 0.165"

Page 38 v2.86



Bonded Rail Connectors



Item Number	Description
GM-BRC-002	Ground Mount Bonded Rail Connector - 2"
GM-BRC-003	Ground Mount Bonded Rail Connector - 3"

Our Bonded Rail Connectors attaches and bonds horizontal cross pipes to XR100° or XR1000° Rails. Each rail requires two connectors to create a secure and bonded attachment. Available for both 2″ and 3″ sizes, these Rail Connectors are manufactured using extruded 6000 series aluminum. Review the images on the section overview for added context.

Page 39 v2.86



Hex Head Set Screws



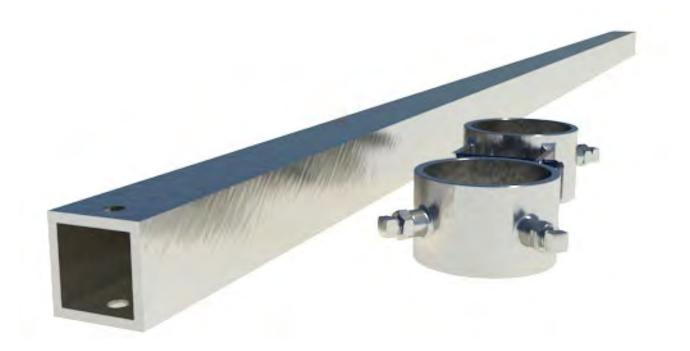
Item Number	Description
GM-HSHW-01-M1	Hex Head Set Screw for Ground Screws

To connect the IronRidge® Ground Mount System to your ground screw, you simply insert the downtube pipe into the top of the installed ground screw and tighten the required number of hex head set screws to the appropriate torque.

Page 40 v2.86



Diagonal Brace Assembly Kits



Item Number	Description
70-0200-CBR	SGA 2" (7.5') Brace Assembly
70-0300-CBR	SGA 3" (7.5') Brace Assembly
70-0205-CBR	SGA 2" (9') Brace Assembly, 5-Panel
70-0305-CBR	SGA 3" (9') Brace Assembly, 5-Panel

This optional assembly kit is for installations that require extra support. This Diagonal Brace Kit includes the brace, sleeves, and hardware for installation between one north and south pair of support legs.

Page 41 v2.86



Pipe & Mechanical Tubing Summary

To save installers money, we have engineered the use of locally sourced 2" or 3" schedule 40 steel pipe or mechanical tubing as the primary substructure element of our Ground Mount System. By allowing customers to source these materials locally, installers benefit from reduced shipping, product and inventory costs, and shortened delivery times. We provide intuitive online tools that will help you quickly and easily craft a bill of materials to simplify substructure costing and purchasing.

A soils report is widely considered the most reliable and accurate method for determining the type and depth of piers for any Ground Mount System. Soils reports can be obtained through a Geotechnical Engineer. A commonly relied upon alternative to obtaining a site-specific soils report is to use the IBC 2006 Table 1804.2. The advantage of purchasing a site specific soils report is that the information provided often results in shorter embedment depths, thus lowering both material and installation cost.

In many cases installers rely on our easy to use PE stamped certification and post/pier installation guides that our engineering staff has made available for download.

Schedule 40 Pipe

ASTM A53 Grade B standard weight (schedule 40) steel pipes or structural equivalent, with minimum geometry and material properties of:

- 3" pipe: OD 3.5", wall thickness 0.216", 35ksi yield strength
- 2" pipe: OD 2.38", wall thickness 0.154", 35ksi yield strength

Mechanical Tubing

Steel mechanical tubing or structural equivalent, with minimum geometry and material properties of:

- 3"Tubing: OD 3.5", wall thickness 0.165", 45ksi yield strength
- 2"Tubing: OD 2.375", wall thickness 0.109", 50ksi yield strength
- *Always check local building codes for pier mounting requirements specific to your location.



Page 42 v2.86



Parts Catalog



QRail® Assembly

Rails

Item Number	Description	
QMR-RL14-A-60	QRail Light, 14 ft., Mill	
QMR-RL14-B-60	QRail Light, 14 ft., Black	1
QMR-RS14-A-60	QRail Standard, 14 ft., Mill	
QMR-RS14-B-60	QRail Standard, 14 ft., Black	





Rail Skirt

Item Number	Description	
QMR-QS14-B-24	QSkirt 14ft	
QMR-QSS-A-12	QSkirt Splice	
QMR-QSE-B-12	QSkirt End Cap Pairs	





Rail Splices

Item Number	Description
QMR-ISL-A-15	QSplice Internal, Light, Mill
QMR-ISS-A-15	QSplice Internal, Standard, Mill





Rail End Caps

Item Number	Description
QMR-CPL-B-50	End Cap Light, Black (5 Bags of 10)
QMR-CPS-B-50	End Cap Standard, Black (5 Bags of 10)





Rail Mid Clamps

Item Number	Description
QMR-UMC3045-A-20	Universal Mid Clamp, 30-45mm, w/ Bonding, Mill
QMR-UMC3045-B-20	Universal Mid Clamp, 30-45mm, w/ Bonding, Black





Rail End Clamps

Item Number	Description
QMR-UEC3045-A-20	Universal End Clamp, 30-45mm, Mill
QMR-UEC3045-B-20	Universal End Clamp, 30-45mm, Black
QMR-HEC-A-20	Hidden End Clamp, Mill





Rail Attachment & Grounding

Item Number	Description
QMR-TB20P-A-300	20mm T-Bolt w/ Nut, Patch, SS (6 Bags of 50)
QMR-GLQ-A-50	Grounding lug, QRail, AL, w/T-Bolt











QRail® Assembly (Continued)

L-Feet

Item Number	Description
QMC-LF-A-12	L-Foot, Mill
QMC-LF-B-12	L-Foot, Black
QM-LF-M1	L-Foot, Open Slotted, Mill
QM-TLF5-M1	L-Foot, Fixed Tilt, 5 Degree, Mill
QM-TLF10-M1	L-Foot, Fixed Tilt, 10 Degree, Mill





Composition Shingle Mounts

L-Mount®

Item Number	Description
QM-LM-01-M1	L-Mount, 9" x 12", Mill
QM-LM-01-B1	L-Mount, 9" x 12", Black
QMLM-ST-B-12	L-Mount 5/16" Structural Screw, 9" x 12", Black



Comp Mounts

Item Number	Description
QMNC-A-12	QBase Comp Mount, 3.25" Post - 3.75" Net, 12" x 12", Mill



Conduit Mounts

Item Number	Description
QMCC-A-12	Classic Conduit Composition Mount, 9" x 12", Mill
QMCPC-A-12	Conduit Penetration Flashing, Mill



Shared Rail Mount

Item Number	Description
QMSRC-B-12	Shared Rail Mount, Comp, Black



Page 44 v2.86







Tile Roof Mounts

QuickHook for Side Mounted Rails

Item Number	Description
QMHSS-NF-A-12	Quick Hook Standard Height Hook, (No Flashing), Mill
QMHLS-NF-A-12	Quick Hook Low Height Hook, (No Flashing), Mill



QBase Universal Tile Mount

Item Number	Description
QMUTM-A-12	QBase Universal Mount, 6.5" Post - 7" Net, 18" x 18", Mill



Tile Replacement

Item Number	Description	
QMTR-BM-A-12	Tile Replacement, Base Mount, Mill	
QMTR-S3.25-A-12	Tile Replacement, S-Tile, 3-1/4" Post, Mill	
QMTR-S3.25-B-12	Tile Replacement, S-Tile, 3-1/4" Post, Black	
QMTR-F3.25-A-12	Tile Replacement, Flat Tile, 3-1/4" Post, Mill	
QMTR-F3.25-B-12	Tile Replacement, Flat Tile, 3-1/4" Post, Black	
QMTR-W4-A-12	Tile Replacement, W-Tile, 4" Post, Mill	
QMTR-W4-B-12	Tile Replacement, W-Tile, 4" Post, Black	
QMC-TRF-F-A-12	Tile Replacement Flashing, Flat Tile, Mill	
QMC-TRF-S-A-12	Tile Replacement Flashing, S-Tile, Mill	
QMC-TRF-W-A-12	Tile Replacement Flashing, W-Tile, Mill	



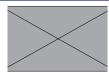
Tile Hook Deck Flashing

Item Number	Description
QM-THDF-01-M1	Tile Hook Deck Flashing, Mill



Conduit Mounts

Item Number	Description
QMCMT-A-12	Conduit Mount for Tile, Mill
QMCPT-A-12	Conduit Penetration Flashing, Tile, Mill







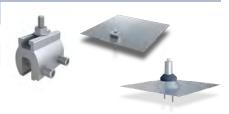




Other Mounts & Accessories

Metal, Shake & Slate

Item Number	Description
QM-LYNX-SS	Lynx™ Standing Seam Metal Roof Clamp
QMLC-A-12	Classic Shake Mount, Mill, 18x18"
QMNS-A-12	QBase Metal, Shake & Slate, 3.25" Post - 3.75" Net, Mill



QBase® Mount (Low Slope Roof Attachment, No Flashing)

Item Number	Description
QM-QBB-01-M1	QBase Base (incl. base to post h/w), Mill
QM-QBP-3.25-M1	QBase 3.25" Post (incl. post to rack h/w), Mill (3.75" Net)
QM-QBP-4.5-M1	QBase 4.5" Post (incl. post to rack h/w), Mill (5" Net)
QM-QBP-6.5-M1	QBase 6.5" Post (incl. post to rack h/w), Mill (7" Net)
QM-QBP-8.5-M1	QBase 8.5" Post (incl. post to rack h/w), Mill (9" Net)
QM-QBP-11.5-M1	QBase 11.5" Post (incl. post to rack h/w), Mill (12" Net)
QM-QBP-12.5-M1	QBase 12.5" Post (incl. post to rack h/w), Mill (13" Net)
QM-QBP-14.5-M1	QBase 14.5" Post (incl. post to rack h/w), Mill (15" Net)
QM-QBP-17.5-M1	QBase 17.5" Post (incl. post to rack h/w), Mill (18" Net)



Grounding

Item Number	Description
QMR-ECW-A-50	WEEB BMC, SS (5 Bags of 10)
QMR-WC-A-300	Trunk/PV Cable Clip, SS (25 Bags of 12)





Accessories

Item Number	Description
QMAFBU-A-25	Accessory Frame Bracket, Universal, Mill
QM-JBX-RF01-B1	JayBox™ Junction Box, Roof Mount (Comp Shingle)
QM-JBX-RL02-B1	JayBox™ Junction Box, Rail Mount





Page 46 v2.86