



IronRidge Ground Arrays are the strongest system available, and have been professionally engineered from top to bottom. They go up faster than any other, which saves time and money.

## Key Features

**Saves Cost** With Easily Sourced Schedule 40 Or Schedule 80 Steel Pipe

**Accommodates** either 2" or 3" implementations

**A Variety Of Foundation** Options, Supports Ballasted Or Embedded Foundation Applications

**Key Attachment** Components Are Cast Steel Providing Extra Strength

**Multiple Panel Configurations** For Optimizing Specific Site Conditions

**No Drilling Or Welding** Required During Installation Process

**Backed By Industry Leading Warranty** 10 yr. Limited Product, 3 yr. Finish

**PE Certified** For Most States

**Best Customer Service And Support**

**IronRidge Ground Arrays** IronRidge Ground Arrays are a cost-effective and scalable mounting solution that supports a wide range of site and terrain challenges. The versatile XRS rail system combines with installer-supplied steel pipe to form a durable and cost-effective mounting structure.

### Top Cap

- The heavy duty cast steel top caps secure quickly and easily to the schedule 40 pipe with 3 set screws
- Available in 2" and 3" sizes
- Cast steel ASTM A216



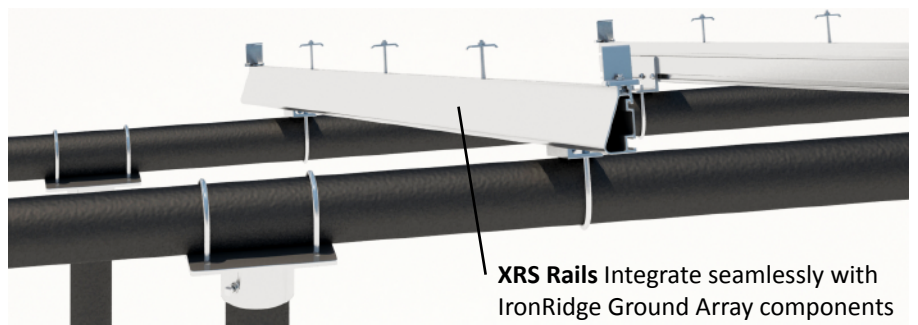
### Rail Connector

- Easy Construction
- Works with XRS Rail System
- Fits installer-supplied 2" and 3" pipe
- Modular panel design to decrease installation time



### Optional Diagonal Brace Kit

For installations that require extra support, the diagonal brace kit includes the brace, sleeves, and hardware for installation between one north and south pair of support legs.



**XRS Rails** Integrate seamlessly with IronRidge Ground Array components

Max E-W Span Chart - 3" Ground Array												
Wind	Snow psf	Tilt Angle:	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
90 mph	0		16.6'	17.0	14.5	14.0	13.2	12.6	12.1	12.0	12.0	12.1
	10		15.3	15.5	14.0	13.7	13.1	12.6	12.1	12.0	12.0	12.1
	20		13.3	13.5	12.4	12.2	11.8	11.5	11.1	11.1	11.1	11.1
	30		12.5	12.7	11.8	11.6	11.2	11.0	10.7	10.6	10.7	10.7
110 mph	0		14.7	15.2	12.8	12.4	11.7	11.1	10.6	10.5	10.6	10.6
	10		14.2	14.4	12.8	12.4	11.7	11.1	10.6	10.5	10.6	10.6
	20		12.5	12.7	11.6	11.3	10.9	10.6	10.2	10.2	10.2	10.2
	30		11.9	12.0	11.0	10.8	10.5	10.2	9.9	9.8	9.8	9.9
								With diagonal bracing	Special requirement for rails: contact IronRidge			

Max E-W Span Chart - 2" Ground Array												
Wind	Snow psf	Tilt Angle:	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
90 mph	0		9.5'	9.7	8.3	8.0	7.6	7.2	6.9	6.8	6.9	6.9
	10		8.7	8.9	8.0	7.8	7.5	7.2	6.9	6.8	6.9	6.9
	20		7.6	7.7	7.1	7.0	6.7	6.5	6.4	6.3	6.3	6.4
	30		7.2	7.2	6.7	6.6	6.4	6.3	6.1	6.1	6.1	6.1
110 mph	0		8.4	8.7	7.3	7.1	6.7	6.4	6.1	6.0	6.0	6.1
	10		8.1	8.2	7.3	7.1	6.7	6.4	6.1	6.0	6.0	6.1
	20		7.2	7.3	6.6	6.5	6.2	6.0	5.8	5.8	5.8	5.8
	30		6.8	6.9	6.3	6.2	6.0	5.8	5.6	5.6	5.6	5.6
								With diagonal bracing	Special requirement for rails: contact IronRidge			

Dead Load (weight) = 3 psf; N-S Pier Spacing = 7 feet 6 inches  
 Cross pipe splices not permitted in end spans or middle 1/3 of interior spans  
 Topographic (wind) factor = 1.0 (no topographic effects)  
 Exposure Category B (exposure category C spans will be longer)

\* For more information visit [www.ironridge.com](http://www.ironridge.com) to receive official specifications as well as additional charts for tilt applications and exposure categories.

## Why IronRidge



**Experience** - Designing/manufacturing solar mounting products since 1996

**Single Source** - Roof mounts, ballasted mounts, large arrays, and more; *a solution for your specific application*

**Customer Satisfaction** - Customer service and technical support to help you succeed

On-line Resources Available:

- Video Tutorials
- Product Configurators
- Product Certifications
- Installation Guides
- Data Sheets
- Reseller Locator



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