

XRL Rail for Flush mount

SPAN CHART & ENGINEERING GUIDE

XRL Maximum Spans (feet)

Exposure	Wind Speed (mph)	0 psf Snow			10 psf Snow			20 psf Snow			30 psf Snow			40 psf Snow			
		Zone 1	Zone 2	Zone 3	Zone 1	Zone 2	Zone 3	Zone 1	Zone 2	Zone 3	Zone 1	Zone 2	Zone 3	Zone 1	Zone 2	Zone 3	
Category B	90 mph	8.5	8.0	6.0	7.5	7.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.5	5.5
	100 mph	8.5	7.0	5.5	7.5	7.0	5.5	6.0	6.0	5.5	6.0	6.0	5.5	6.0	5.5	5.5	5.5
	110 mph	8.5	6.5	5.5	7.5	6.5	5.5	6.0	6.0	5.5	6.0	6.0	5.5	6.0	5.5	5.5	5.5
	120 mph	8.5	6.0	5.0	7.5	6.0	5.0	6.0	6.0	5.0	6.0	6.0	5.0	6.0	5.5	5.5	5.0
	130 mph	8.0	5.5	4.5	7.5	5.5	4.5	6.0	5.5	4.5	6.0	5.5	4.5	6.0	5.5	5.5	4.5
	140 mph	7.5	5.0	4.0	7.5	5.0	4.0	6.0	5.0	4.0	6.0	5.0	4.0	6.0	5.0	4.0	4.0
	150 mph	7.0	5.0	4.0	7.0	5.0	4.0	6.0	5.0	4.0	5.5	5.0	4.0	5.5	5.0	4.0	4.0
Category C	90 mph	8.5	6.5	5.0	7.5	6.5	5.0	6.0	6.0	5.0	6.0	6.0	5.0	5.5	5.5	5.0	
	100 mph	8.0	5.5	4.5	7.5	5.5	4.5	6.0	5.5	4.5	6.0	5.5	4.5	5.5	5.5	4.5	
	110 mph	7.5	5.5	4.5	7.5	5.5	4.5	6.0	5.5	4.5	6.0	5.5	4.5	5.5	5.5	4.5	
	120 mph	7.0	5.0	4.0	7.0	5.0	4.0	6.0	5.0	4.0	6.0	5.0	4.0	5.5	5.0	4.0	
	130 mph	6.5	4.5	3.5	6.5	4.5	3.5	6.0	4.5	3.5	5.5	4.5	3.5	5.0	4.5	3.5	
	140 mph	6.0	4.5	3.5	6.0	4.0	3.5	6.0	4.0	3.5	5.5	4.0	3.5	5.0	4.0	3.5	
	150 mph	5.5	4.0	3.5	5.5	4.0	3.5	5.5	4.0	3.5	5.5	4.0	3.5	5.0	4.0	3.5	

LOAD CONDITION ASSUMPTIONS

- ◆ Flush roof mounting installations only
- ◆ Roof pitch must be 27 degrees or less
- ◆ Module length is 67.5" or less
- ◆ Building height must be less than or equal to 15 feet
- ◆ Clearance between roof and rail is at least 2 inches
- ◆ End cantilever span not to exceed 40% of the adjacent interior span
- ◆ No rail splice permitted within the middle ½ of the span

For installations that do not conform to the load condition assumptions, please contact your local distributor or refer to www.ironridge.com for a more complete engineering analysis.