

Ontario Span Chart for IronRidge XRS Rail

SPAN CHART & ENGINEERING GUIDE

XRS 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	13.5	13.5	10.5	12.5	12.5	10.5	10.5	10.5	10.5	10.0	10.0	10.0	9.0	9.0	9.0
	100 mph	13.5	12.0	9.5	12.5	12.0	9.5	10.5	10.5	9.5	10.0	10.0	9.5	9.0	9.0	9.0
	110 mph	13.5	11.5	9.0	12.5	11.5	9.0	10.5	10.5	9.0	10.0	10.0	9.0	9.0	9.0	9.0
	120 mph	13.5	10.5	8.5	12.5	10.5	8.5	10.5	10.5	8.5	10.0	10.0	8.5	9.0	9.0	8.5
	130 mph	13.5	9.5	7.5	12.5	9.5	7.5	10.5	9.5	7.5	10.0	9.5	7.5	9.0	9.0	7.5
Category C	90 mph	13.5	11.0	8.5	12.5	11.0	8.5	10.5	10.5	10.5	10.0	10.0	8.5	9.0	9.0	8.5
	100 mph	13.5	9.5	8.0	12.5	9.5	8.0	10.5	9.5	8.0	10.0	9.5	8.0	9.0	9.0	8.0
	110 mph	13.0	9.5	7.5	12.5	9.5	7.5	10.5	9.5	7.5	10.0	9.5	7.5	9.0	9.0	7.5
	120 mph	12.0	8.5	7.0	12.0	8.5	7.0	10.5	8.5	7.0	10.0	8.5	7.0	9.0	8.5	7.0
	130 mph	11.0	8.0	6.5	11.0	8.0	6.5	10.5	8.0	6.5	9.5	8.0	6.5	9.0	8.0	6.5

LOAD CONDITION ASSUMPTIONS

- ◆ Flush roof mounting installations only
- ◆ Roof pitch = 6 inches / foot
- ◆ Module long dimension = 67.5 inches
- ◆ Building height = 30 feet
- ◆ Clearance between roof and rail = 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 the IronRidge configurator on www.ironridge.com for a more complete engineering analysis.