



3x2 Rail Specification



The 3x2 Panel Rail is the standard rail used to support solar panels and has a span capacity of 12 feet. This rail is also used as the main bracing rail for the WSS Elevated Racking System. Panels clamp in place on rails with ISA's 1/6 turn slot nuts.

Physical Characteristics:

Dimensions: 3" High x 2" Wide

Weight: 1.2 Lbs/Ft.

Structural Characteristics:

 $S_{vymin} = 0.83 \text{ in}^3 I_{vymin} = 0.83 \text{ in}^4 r_{vymin} = 0.90 \text{ in}$ $S_{zzmin} = 1.24 \text{ in}^3$ $I_{zzmin} = 1.86 \text{ in}^4_{rzzmin} = 1.35 \text{ in}$

 $A_g = 1.01 \text{ in}^2$ $A_e = 1.01 \text{ in}^2$



-Extruded Aluminum, 6061-T6/6005-T6

Support Span Capacity:

Up to 12 Ft. - Dependent on load conditions

Rail Attachment Method:

ISA T-Slot Cleat Bolted to Main Rail Post with Vertical Strut Member

Panel Attachment Method:

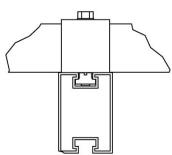
ISA C-Clip (end) ISA Waffle Clip (Inner)

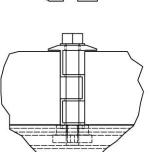
Bracing Attachment:

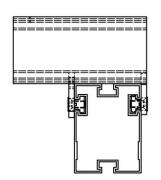
ISA Channel Bracket ISA U-Channel

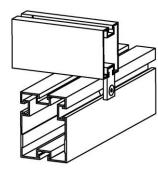
Warranty:

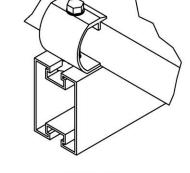
20 Years

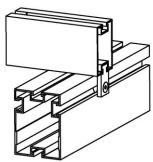












Washington DC 20007 info@universalrenewables.com