

Vertical Load Table for the iLevel[®] Shear Brace

When the iLevel[®] Shear Brace (iSB) is subjected to vertical (gravity) loads only, conditions can exist in which the maximum factored vertical load of 8000 lbs in existing iSB literature is exceeded. The following table provides maximum factored vertical loads for gravity loading only conditions.

Maximum Factored Vertical Load

Brace	Width (in)	Height (in)	Factored Vertical Load (lbs)
iSB 12x7	12	78	20,000
iSB 12x7.5	12	85½	19,445
iSB 12x8	12	93¼	18,095
iSB 18x7	18	78	20,000
iSB 18x7.5	18	85½	20,000
iSB 18x8	18	93¼	20,000
iSB 18x9	18	105¼	20,000
iSB 18x10	18	117¼	20,000
iSB 18x11	18	129¼	17,760
iSB 18x12	18	141¼	15,400
iSB 24X8	24	93¼	20,000
iSB 24X9	24	105¼	20,000
iSB 24X10	24	117¼	20,000
iSB 24X11	24	129¼	20,000
iSB 24X12	24	141¼	18,210

The factored vertical loads in this table apply to load combinations that include gravity loads only

Load combinations for which the factored vertical loads in the table above can be applied are:

$$1.25\text{Dead} + 1.5\text{Live} + 0.5\text{Snow} \text{ or } 1.25\text{Dead} + 1.5\text{Snow} + 0.5\text{Live}$$

For loading conditions that include lateral loads (wind or seismic), refer to [TB-950](#).

If you have any questions or require additional information, please contact your iLevel representative.

