

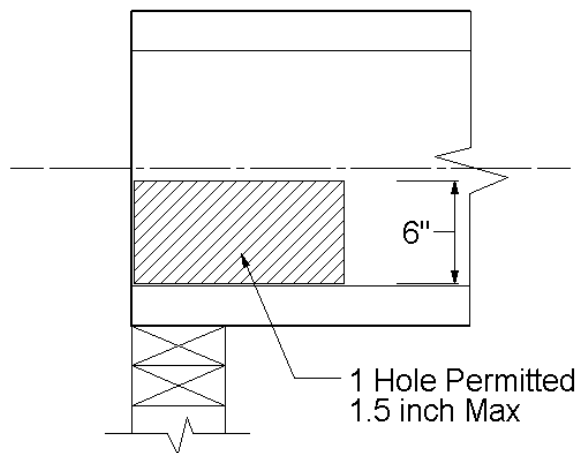
PK-USA PKI Series I-joists

1-1/2" Field Cut Hole Guidelines

Location Allowances

PK-USA PKI Series I-joists are manufactured without the customary 1.5-inch diameter perforated knockout holes typically spaced at 12" on-center. Because of this, 1.5-inch diameter or smaller holes are allowed within the first 6-inch (h) and 6-inch (w) of web section residing directly over bearing. PK-USA's PKI-Series I-joist shear capacities, including reductions for web holes, are determined through testing that is performed on the pre-manufactured I-joists. Since the testing accounts for the allowance of a 1.5-inch diameter hole located anywhere within the web section, the following provisions apply:

- 1.5-inch diameter cut holes that fall directly in bearing zone areas (bottom 6-inch of web x 6-inch wide from bearing edge area from end or either side of intermediate bearing) are allowed provide no other hole is located within the bearing zone.
- Additional 1.5-inch diameter field-cut holes may be located at any location along the joist length with the following exceptions:



- When located adjacent to other field-cut web hole greater than 1.5-inch diameter, a minimum edge distance of 3-inch is required.
- No more than a single (1) field-cut hole of any diameter is allowed in the bearing zone area.

Web holes 1.5-inch or smaller are allowed in web sections above the bearing zone provided they are spaced 3-inch minimum distance from center to center.

If you have any questions, please contact PK-USA for details.

