



Pinkwood PKjoists® Allowable Holes in Blocking Panels

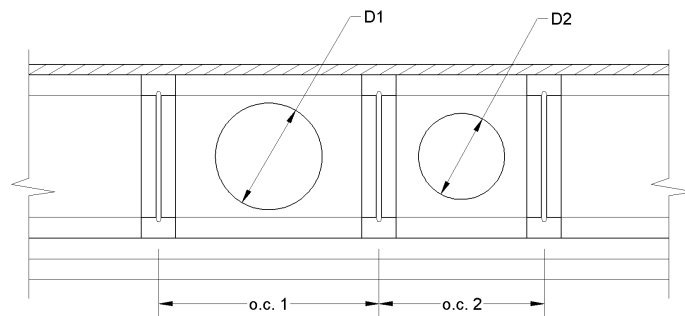
Blocking Panel Uses

PKjoists® are often specified for use as blocking panels in the following conditions:

- To transfer lateral forces between Floors, Ceiling, and Roof joists.
- To support the compression flanges of continuous I-joists over interior supports and cantilever conditions.
- To prevent “roll-over” of Floor joists, ceiling joists, and rafter joists.
- To transfer both lateral forces and vertical loads as seen in end conditions terminating over a shear wall.

In such instances, holes are often required in the blocking panel to support the installation of duct work, electrical wiring, plumbing lines, and/or the cross ventilation of joist rafters. In these conditions, the below hole sizes and location are permitted.

Size and Location Allowances



I-joist blocking panel depth	Maximum allowable hole dia.			
	D1	o.c. 1	D2	o.c. 2
9-1/2"	6-1/4"	12" o.c. min	–	–
11-7/8"	7-3/4"	12" o.c. min	6-1/4"	< 12" o.c.
14"	9-1/4"	16" o.c. min	7-3/4"	< 16" o.c.
16"	10-1/2"	19.2" o.c. min	9-1/4"	< 19.2" o.c.

Notes:

- The holes must be cut in a workman-like manner.
- If holes are not round, they must be cut in such a manner to avoid “over-cutting” at the corners.
- The holes can be placed anywhere vertically in the web provided they do not damage the joist’s top and bottom flanges. A minimum of 1” of web material is required on each side.
- Clustered holes are allowed provided they can be circumscribed within the allowable diameter listed above.
- Holes other than those listed are permitted provided they have been approved by a licensed design professional.

If you have any questions, please contact XP-EWP for details.

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