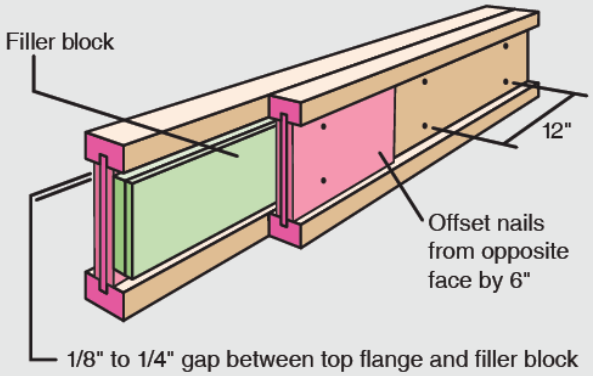
Pinkwood PKjoists®
Double Joist Web Filler Requirements

Web filler block requirements and specifications

Web filler blocking/material is a common detail used to reinforce the structural capacity of PKjoists® when induced loading occurs from either the side of the I-joist such as a concentrated load from a head out or when non-uniform load is induced from the top of the I-joist. The following detail is required when concentrated side loads are applied.

1p

Flange Width	Net Depth	Filler Block Size
2-1/2"	11-7/8"	2-1/8" x 8"
	14"	2-1/8" x 10"
3-1/2"	11-7/8"	3" x 8"
	14"	3" x 10"



Notes:

1. Support back of I-joist web during nailing to prevent damage to web/flange connection.
2. Leave a 1/8-inch gap between top of filler block and bottom of top I-joist flange.
3. Filler block is required between joists for full length of span.
4. For flange widths of 2-1/2 inches or less, nail joists together with two rows of 10d nails 12 inches o.c. (clinched when possible) on each side of the double I-joist (total 4 nails per foot). For flange widths greater than 2-1/2 inches, use two rows of 10d nails at 6 inches o.c. on each side of the double I-joist (total 8 nails per foot).
5. The maximum load that may be applied to one side of the double joist using this detail is 620 lbf/ft.
6. For I-joist depths greater than 14 inches, please contact your WEBshield representative for details.

Notes

1. Filler block/material is required between PKjoists® for the full length of the span when uniform side loads are applied. Filler block/material 24-inch in length may be used instead of the full joist length when the side load is concentrated such as a joist head out.
2. Web filler block/material is to be installed tight to the underside of the top flange. See above detail for dimensional requirements of filler.
3. Triple joists are permitted provided that each joist is filled as per the double joist detail.
4. Web filler block/material is NOT required when joists are nested as doubles for additional bay space for mechanicals or when joists are subjected to uniform top loads only.
5. For other conditions, consult a licensed design professional.

If you have any questions, please contact Pinkwood Ltd. for details.

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