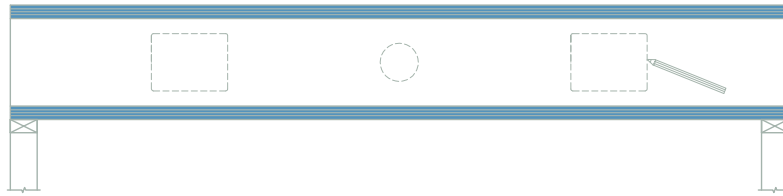
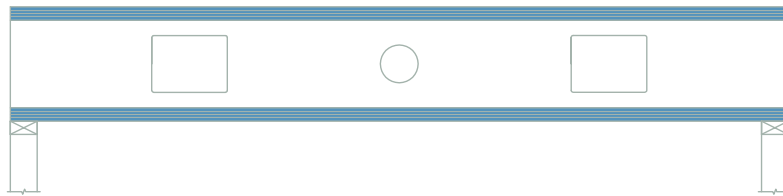


Services Hole Guide

1 All holes to be considered before cutting



2 Maximum of 3 holes per span



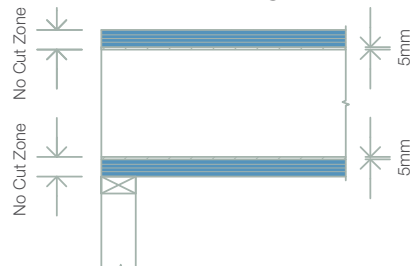
*All holes <75mm are excluded from this total

3 Grouping of holes



*Smaller holes can be grouped into a larger hole subject to the maximum size being within the service hole guide limits

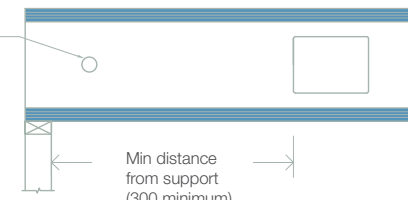
4 Don't cut the blue flanges



*Flanges can be notched at supports as per installation guide, but no cuts on or within 5mm of the flange are allowed

5 Distance from support

40mm diameter hole allowed anywhere in web, closest spacing is 300mm centres



Min distance from support (300 minimum)

*Refer to service hole guide for minimum distance from supports

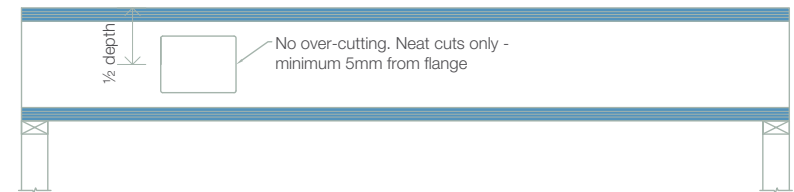
6 Minimum hole spacing

Hole length (W) Spacing to be minimum 300mm or 2D or 2W (whichever is greater) Hole dia (D)



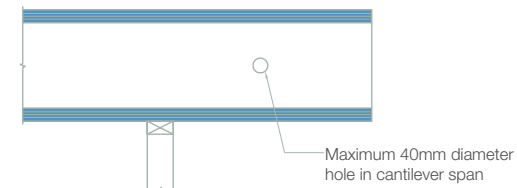
*Minimum spacing between holes must be at least 300mm or twice the diameter or length of the largest opening (whichever is greater)

7 Position and neatness



*Holes recommended to be mid height of joist

8 Cantilever holes



Services Hole Guide

Floor Joist Applications in Domestic Residences ONLY

Note:

1. Distance from support is measured from the face of the support to the centre of a circular hole or to the edge of a square or rectangular hole.
2. Web hole locations can be interpolated for intermediate spans.
3. Web hole depth may be limited by depth of joist and 5mm clearance requirement to flange.
4. NS - Not Suitable

e-joist Section Code	Installed Span	Circular or Square Holes						
		ø75	ø100	ø125	ø150	ø175	ø200	ø250
		Minimum distance from support – external or internal						
ej20045	3.0	0.30	0.30	0.51	NS	NS	NS	NS
	4.0	0.30	0.41	1.01	NS	NS	NS	NS
	5.0	0.30	0.91	1.51	NS	NS	NS	NS
ej24045	3.5	0.30	0.30	0.30	0.40	NS	NS	NS
	4.5	0.30	0.30	0.30	0.90	NS	NS	NS
	5.5	0.30	0.30	0.80	1.40	NS	NS	NS
ej24063	4.0	0.30	0.30	0.30	0.66	NS	NS	NS
	5.0	0.30	0.30	0.55	1.16	NS	NS	NS
	6.0	0.30	0.45	1.05	1.66	NS	NS	NS
ej24090	4.5	0.30	0.30	0.32	0.92	NS	NS	NS
	5.5	0.30	0.30	0.82	1.42	NS	NS	NS
	6.5	0.30	0.72	1.32	1.92	NS	NS	NS
ej30045	4.5	0.30	0.30	0.30	0.30	0.30	0.66	NS
	5.5	0.30	0.30	0.30	0.30	0.60	1.16	NS
	6.5	0.30	0.30	0.30	0.45	1.06	1.66	NS
ej30063	4.5	0.30	0.30	0.30	0.30	0.30	0.67	NS
	5.5	0.30	0.30	0.30	0.30	0.56	1.17	NS
	6.5	0.30	0.30	0.30	0.46	1.06	1.67	NS
	7.0	0.30	0.30	0.30	0.71	1.31	1.92	NS
ej30090	5.0	0.30	0.30	0.30	0.30	0.33	0.93	NS
	6.0	0.30	0.30	0.30	0.30	0.83	1.48	NS
	7.0	0.30	0.30	0.30	0.73	1.33	1.93	NS
	7.5	0.30	0.30	0.37	0.98	1.58	2.18	NS

Rectangular Holes				
Height x Width (mm)				
125 x 250	150 x 300	175 x 350	200 x 400	250 x 500
Minimum distance from support – external or internal				
0.51	NS	NS	NS	NS
1.01	NS	NS	NS	NS
1.51	NS	NS	NS	NS
0.30	0.40	NS	NS	NS
0.30	0.90	NS	NS	NS
2.17	2.24	NS	NS	NS
0.30	0.66	NS	NS	NS
0.55	1.16	NS	NS	NS
2.48	2.53	NS	NS	NS
0.32	0.92	NS	NS	NS
0.82	1.42	NS	NS	NS
1.32	1.92	NS	NS	NS
0.30	0.30	0.65	0.91	NS
1.27	1.66	1.82	1.91	NS
2.90	2.90	2.92	2.91	NS
0.30	0.30	0.30	0.67	NS
0.30	0.96	1.39	1.58	NS
2.39	2.53	2.60	2.64	NS
3.16	3.17	3.17	3.17	NS
0.30	0.30	0.33	0.93	NS
0.30	0.30	0.83	1.48	NS
0.30	0.73	1.33	1.93	NS
0.30	0.98	1.58	2.18	NS



© Wesbeam Pty Limited
 ABN 89 004 268 017
 WESB0541 July 2021

WESTERN AUSTRALIA

190 Pederick Road
 Neerabup | WA | 6031

T 1300 362 148
 F 08 9306 0444
 E wesbeam@wesbeam.com

QUEENSLAND

3 Bult Drive
 Brendale | QLD | 4500

T 07 3385 3900
 F 07 3385 3911
 E sales.qld@wesbeam.com

SOUTH AUSTRALIA

200 Cavan Road
 Dry Creek | SA | 5094

T 08 8214 8500
 E sales.sa@wesbeam.com

VICTORIA

Rear | 35 Greens Road
 Dandenong South | VIC | 3175

T 03 8782 9500
 E sales.vic@wesbeam.com

NEW SOUTH WALES

8-24 Dunheved Circuit
 St Marys | NSW | 2760

T 02 8856 8400
 E sales.nsw@wesbeam.com

TECH HOTLINE

T 1300 356 460