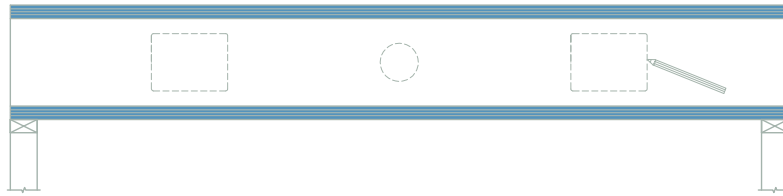
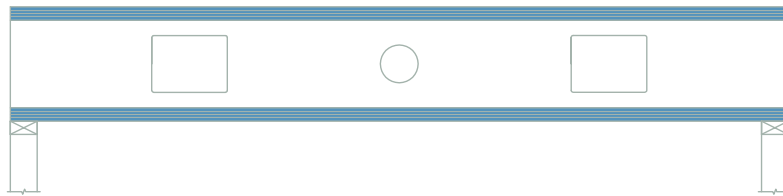


Services Hole Guide

1 All holes to be considered before cutting



2 Maximum of 3 holes per span



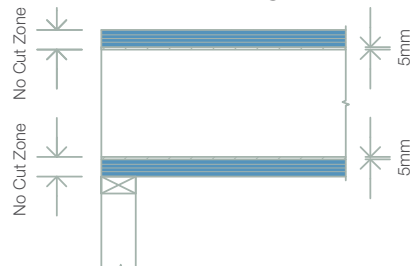
*All holes <75mm are excluded from this total

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

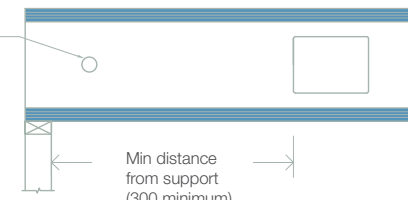
4 Don't cut the blue flanges



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

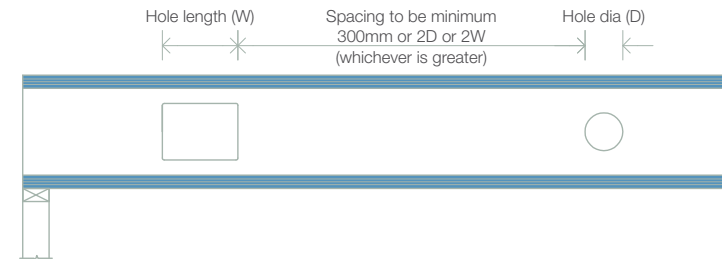
5 Distance from support

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



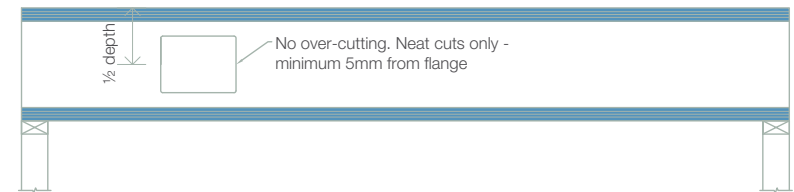
*Refer to service hole guide for minimum distance from supports

6 Minimum hole spacing



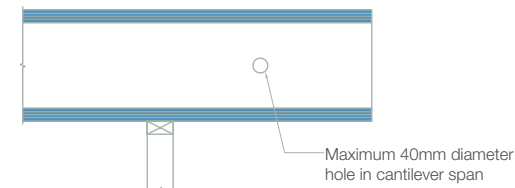
*Minimum spacing between holes must be at least 300mm or twice the diameter or length of the largest opening (whichever is greater)

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:

- 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.
- Web hole locations can be interpolated for intermediate spans.
- 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
ej20063	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
ej20090	3.5	0.30	0.30	0.51	NS	NS	NS	NS
	4.5	0.30	0.41	1.01	NS	NS	NS	NS
	5.5	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
ej36063	5.0	0.30	0.30	0.30	0.30	0.30	0.30	0.68
	6.0	0.30	0.30	0.30	0.30	0.30	0.30	1.18
	7.0	0.30	0.30	0.30	0.30	0.30	0.48	1.68
	7.5	0.30	0.30	0.30	0.30	0.30	0.73	1.93
ej36090	5.0	0.30	0.30	0.30	0.30	0.30	0.30	0.69
	6.0	0.30	0.30	0.30	0.30	0.30	0.30	1.19
	7.0	0.30	0.30	0.30	0.30	0.30	0.49	1.69
	8.0	0.30	0.30	0.30	0.30	0.38	0.99	2.19
ej40090	5.0	0.30	0.30	0.30	0.30	0.30	0.30	0.69
	6.0	0.30	0.30	0.30	0.30	0.30	0.30	1.19
	7.0	0.30	0.30	0.30	0.30	0.30	0.49	1.69
	8.0	0.30	0.30	0.30	0.30	0.38	0.99	2.19

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
0.51	NS	NS	NS	NS
1.01	NS	NS	NS	NS
1.51	NS	NS	NS	NS
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
0.30	0.30	0.30	0.30	0.68
0.30	0.30	0.38	1.00	1.47
0.30	1.40	1.91	2.15	2.39
0.30	2.31	2.56	2.70	2.85
0.30	0.30	0.30	0.30	0.69
0.30	0.30	0.30	0.30	1.19
0.30	0.30	0.30	0.49	1.69
0.30	0.30	0.30	1.33	2.19
0.30	0.30	0.30	0.30	0.69
0.30	0.30	0.30	0.30	1.19
0.30	0.30	0.30	0.49	1.69
0.30	0.30	0.30	1.33	2.19



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