

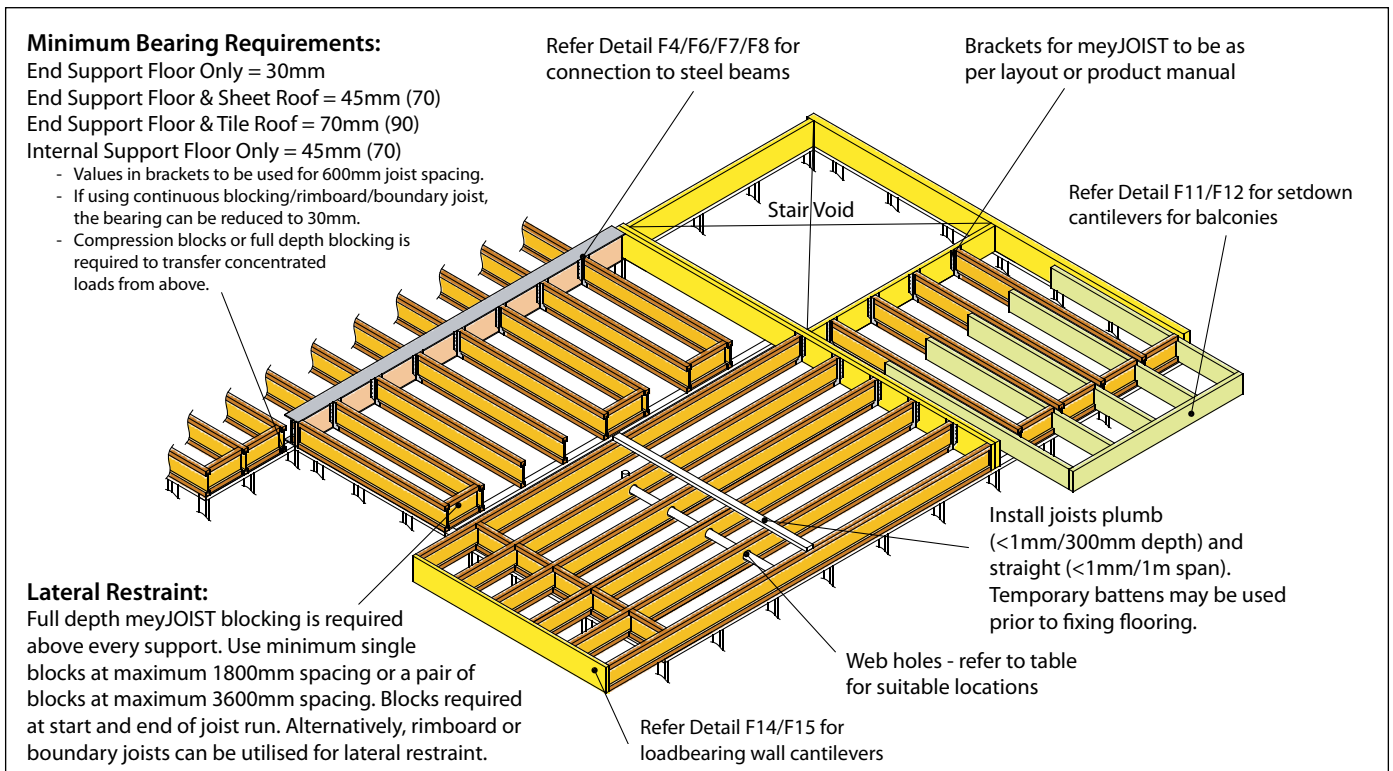
meyJOIST

INSTALLATION REFERENCE SHEET

The meyJOIST Install Reference Sheet contains common requirements for meyJOIST floor system installation used in houses. For detailed design or items not included, the meyJOIST Product Manual should be consulted by scanning the QR Code over the page, or at www.meyertimber.com.au

BASIC REQUIREMENTS

- **STORAGE** - meyJOIST should be stored level and dry at least 150mm clear of the ground.
- **JOIST LOCATION** - As per floor layout (if supplied) and not to be spaced further than specified.
- **FIXING TO SUPPORTS** - Use 2/3.06Ø nails per support. Supports to be dry, level, & rigid. Moisture Barriers are recommended if supporting directly on masonry. Provide bearing across full width of meyJOIST.
- **FIXING OF FLOORING** - Flooring should be secured to meyJOIST using screws or ring/twist shank nails recommended for the particular flooring type. Flooring adhesive must be used in conjunction with fasteners to minimise any chance of long term floor squeak. Refer to **factsheet** for more advice.
- **CONSTRUCTION LOADS** - Lateral restraint blocking and floor sheeting **MUST** be installed before applying any construction loads. Refer to **Product Manual** or **factsheet** for advice on allowable loading and locations.



MINIMUM DISTANCE (in mm) TO FACE OF SUPPORT FOR HOLES AT 450mm JOIST SPACING

LOADING: DEAD LOAD = 100 kg/m² and LIVE LOAD = 1.5 kPa/1.8 kN

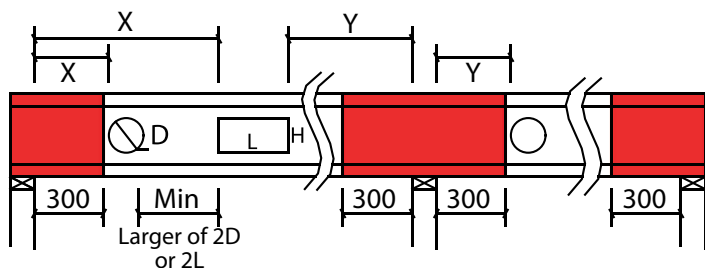
meyJOIST	SUPPORT	MINIMUM EDGE DISTANCES TO FACE OF SUPPORT (mm)								
		HOLE DIAMETER (mm)		RECTANGULAR (mm)						
		80	125	150x300	200x300					
MJ200 45	End (X)	300	300	750	N/S					
	Intermediate (Y)									
MJ240 45	End (X)					800	1500	N/S		
	Intermediate (Y)					300	1050			
MJ240 90	End (X)					1600	2100		300	
	Intermediate (Y)					380	550			
MJ300 45	End (X)					1450	1700			300
	Intermediate (Y)					300	1000			
MJ300 90	End (X)	1450	2100	300						
	Intermediate (Y)	300	1000							

NOTES:

1. "Intermediate" refers to internal supports of continuous span joists. All other cases shall be treated as "End" supports.
2. Locate hole at mid-span if X or Y value exceeds half span.
3. The above values are based on the maximum span that each joist can support.
4. Use MJ240 90 values for MJ240 63 and MJ255 63. Use MJ300 90 values for MJ300 63 and MJ360 90.
5. I-Joist Hole Support bracket (IHS) may allow holes closer to the support. See meyJOIST product manual for more information.

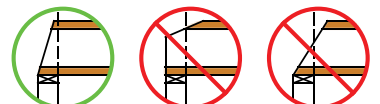
GENERAL HOLE INFORMATION:

1. No holes above 40mm allowed in red zone.
2. No more than 3 holes above 75mm in any one span.
3. Holes 40mm diameter or smaller allowed anywhere in web with minimum 2D distance between holes.

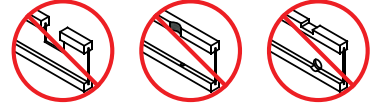


NOTCHING or TAPERING meyJOIST FLANGES

Do not cut beyond the line of support



Do not drill or notch flanges



SELECTED meyJOIST DETAILS

Detail F1
Upper wall plate/batten fixed to joists and/or blocking

meyJOIST blocking secured using minimum 3/3.06Øx75mm long framing nails top and bottom

Blocking with meyJOIST

Detail F4

35mm thick (min) solid timber cut neatly between steel flanges and fixed to packers

70x35 (min) packers fixed to steel

Web stiffener fixed using nails (not screws)

STEEL BEAM

Partial height joist hanger

Face mount joist hanger

Top mount joist hanger

70x35 (min) packer on top of steel

Hanger fixing options for meyJOIST to Steel

Detail F6

3.06Ø clench nails or 12g Type 17 Hex head screws

3mm gap

No gap

Web stiffener to be structural plywood or OSB, minimum 90mm wide.

meyJOIST flange width	45	63	90
Stiffener thickness	18	27	39
3.06Ø nail length	50	75	100
12g screw length	45	65	90(14g)

All dimensions in mm

≤300 deep use 3 nails or 2 screws each side
>300 deep use 4 nails or 3 screws each side

Web stiffener installation

Detail F7

12mm (max)

12mm (max)

Notch must end within 5mm of support

DO NOT OVERCUT

Flange notching to occur at end supports only

meyJOIST flange notching

Detail F8

Max. 1/2 Joist Depth

Portion may be removed within line of support only

3mm gap

No gap

Steel

3.06Ø clench nails or 12g Type 17 Hex head screws as per Detail F6

Notch as per Detail F7 allowed

≤300 deep use 4 nails or 2 screws each side
>300 deep use 5 nails or 3 screws each side

meyJOIST web notching for steel

Detail F11

All fixings through web and packer into outrigger

Plywood packer top and bottom

Outrigger

meyJOIST

No gap

2 rows of 12g Type 17 Hex Head screws or galvanised flat head nails at 150mm centres as shown

60

50 typ.

20

Minimum 1.5 x S_c

S_c

meyJOIST flange width	45	63	90
Packer thickness	18	27	39
2.8Ø nail length	50	65	N/A
12g screw length	50	65	75(14g)

All dimensions in mm

≤300 deep 7 nails or 4 screws each end
>300 deep 9 nails or 5 screws each end

Adjacent Outrigger

Detail F14

Loadbearing wall

Intermittent blocking

d

L_c ≤ d

When specified install reinforcement as per Detail F21 or Detail F22

meyJOIST short cantilever support

Detail F15a

Loadbearing wall

Continuous blocking

Wall tie-down to end trimmer by others

d

35-45mm thick end trimmer

Face mount joist hanger

L_c > d

When specified install reinforcement as per Detail F21 or Detail F22

*See Detail 15 for alternative option

meyJOIST long cantilever support

Detail F17

Splice between joists using same material

Loadbearing wall

Wall Bottom Plate

Flooring

meyJOIST bearing to be as per supporting floor only

Rimboard (17mm F8 Plywood or 18mm OSB) or Boundary joist

Rimboard Fixing: To top and bottom flanges of every meyJOIST using 1/3.50Ø nail per flange. Length to allow for 30mm minimum penetration into meyJOIST - To wall plates or bearers using 3.50Ø nails at 150mm centres maximum. Nails to be driven at 45° with 30mm edge distance. Length to allow for 30mm minimum penetration into plate or bearer.

*Refer product manual for rimboard suitability

Rimboard or Boundary Joist with meyJOIST

For other details not shown above, refer to the meyJOIST Product Manual.

