











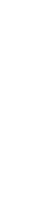
OPTIONS RANGE

More options for more economical floor joist layouts

Select the economy section (HJ240 45, HJ300 45 & HJ360 63) of appropriate depth to accommodate the spans of the main area of the floor.

Cater for any larger spans in the floor area using the wider flange options of corresponding depth.

- Product quality Engineered Wood Products Association of Australasia 'Product Certified' for peace of mind
- -'on-the-ground' specialist technical representatives, willing and able to help Technical support – experienced engineering support, simply call 1800 808 131
- Responsible conservative design 'maintaining the standard for consistency of performance'
- 'Off the shelf' convenience readily available, ex stock via a comprehensive distribution network, simply cut to length and install
- Termite protected hyJOIST H2-S Terminator® is 'protected to the core' (optional) termite protection applicable for areas of Australia south of the Tropic of Capricorn



TERMINAT®R



Consider the 'hyloIST SELECTION GUIDE' below, summarising key parameters involved in selection of the appropriate joist sections. Information contained in this publication applies for floor joists used in houses. For more information refer either to this publication or designIT software as set out in the following table. Use of designIT will provide a wider range of options and allow more optimum design.

Design information	Literature	designIT
Spanning capabilities	>	>
Bearing requirements	>	7
Blocking for lateral support	>	2
Transfer of wind / earthquake forces through the floor depth	>	
Web holes – permitted locations related to size, shape and span	>	2
Details for limited notching of flanges (at end supports only)	>	
Hangers, brackets and fixing requirements for support of joists	>	>
Framing for stair voids		>
Cantilevers for balconies	>	>
Joists supporting parallel load bearing walls	>	2
Joists supporting perpendicular load bearing walls (including cantilevers)		>
Continuous hyJOIST blocking for support of load bearing walls	2	2



Installation

Details for installation (referenced in this Design Guide) are contained in a separate publication 'Installation Guide'.

^{*} Provides termite protection for all areas of Australia south of the Tropic of Capricom. The guarantee is provided by the chemical supplier for the benefit of the property owner. It is a limited and conditional guarantee covering the provision of replacement product in Australia. The full terms and conditions are available at www.chhwoodproducts.com.au/guarantees

hyJOIST selection guide

		DIMENSIONS FOR DETAILING	R DETAILING						SPAN - I	SPAN - FLOOR JOISTS FOR HOUSES	FOR HOUSES		
			CLANCE WINTH (mm)					CINCLECDAN	CDAN	NAG2 SHOLINITMOS	NIC CDAN		
OVERALL	CLEAR DISTANCE	45	FLANGE WIDTH (MIM)	06	hyJOIST SECTION	WEIGHT OF 5 METRE	MAXIMUM HOLE SIZE	SINGE	JOIST SPACING (mm)	CONTINUO SING (mm)	IUS SPAIN	BALCONY CANTILEVER ³	ER³
(mm)	BETWEEN FLANGES		FLANGE OUTSTAND (mm) ¹		CODE	LENGTH	FOR SERVICES ²	450	009	450	009	450	009
		18	27	39				RE	OMMENDED	RECOMMENDED SPAN RANGE - m	E	MAXIMUM (m)	(m) WI
200	119 mm	HJ200 45			HJ200 45	14.8 kg	118 mm	3.5 to 3.8	3.1 to 3.6	4.0 to 4.5	3.7 to 4.2	1.0	0.9
					HJ240 45	15.8 kg	(3.8 to 4.5	3.5 to 4.2	4.5 to 5.1	4.2 to 4.7		1.0
240	159 mm			<u> </u>	HJ240 63	20.5 kg	158 mm	4.4 to 4.9	4.0 to 4.5	5.0 to 5.5	4.5 to 5.1	1.3	1.2
		HJ240 45	HJ240 63	HJ240 90	HJ240 90	28.8 kg		4.9 to 5.4	4.5 to 5.0	5.6 to 6.1	5.1 to 5.6	1.5	1.4
		-	I -	-	HJ300 45	17.4 kg		4.6 to 5.1	4.3 to 4.7	5.1 to 5.8	4.6 to 5.4	1.4	1.3
300	219 mm				HJ300 63	22.0 kg	218 mm	5.0 to 5.5	4.6 to 5.1	5.6 to 6.3	5.2 to 5.8	1.5	1.4
		<mark>-</mark> HJ300 45	<mark>-</mark> - HJ300 63	HJ300 90	HJ300 90	30.9 kg		5.6 to 6.1	5.2 to 5.7	6.4 to 7.0	5.9 to 6.4	1.7	1.6
0	5			-	HJ360 63	23.6 kg	024	5.6 to 6.2	5.2 to 5.7	6.3 to 6.8	5.6 to 6.0		1.6
0000	7/ 9		HJ360 63	HJ360 90	HJ360 90	33.0 kg	770	6.3 to 6.8	5.8 to 6.3	7.2 to 7.8	6.7 to 7.1	1.9	1.8
400	319 mm			H ₁₄₀₀ 90	HJ400 90	34.4 kg	318 mm	6.8 to 7.2	6.3 to 6.7	7.6 to 7.9	6.7 to 7.1	2.0	1.9
1. Used to det	ermine the thicknes	38 of packing to pack α	1. Used to determine the thickness of packing to pack web flush with flanges	2. Refer to page 5	2. Refer to page 9 $/$ designIT for permitted hole locations and limitations	tted hole locations a		3. Refer to page 10 / designIT for further design information	0 / designIT fo	or further desig	gn information		

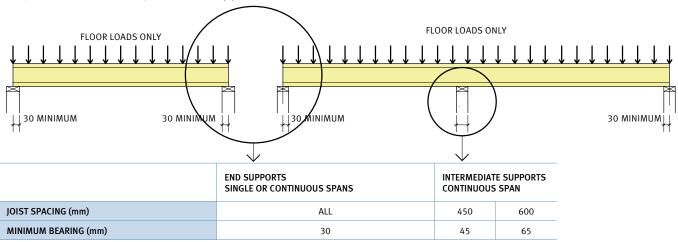
1. Used to determine the thickness of packing to pack web flush with flanges

^{2.} Refer to page 9 / designIT for permitted hole locations and limitations



Bearing support

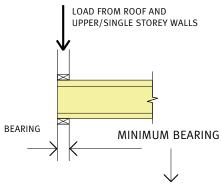
For joists not transferring load from upper walls



designIT may give reduced bearing requirements for specific cases.

For joists transferring upper storey wall and roof loads at supports

End supports - single or continuous spans

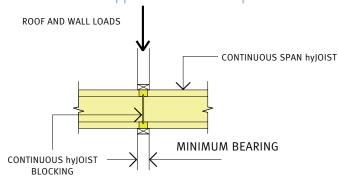


For joists supporting load bearing walls at end supports, provide bearing as specified in the table below or alternatively install continuous hyJOIST blocking/'rimboard'/boundary joist.

	JOIST SPA	CING (mm)					
LOAD TYPE	450	600					
	MINIMUM BEARING (mm)						
SHEET ROOF	45	65¹					
TILE ROOF	65	90²					

- 1. If web stiffeners installed bearing may be reduced to 45 \mbox{mm}
- 2. If web stiffeners installed bearing may be reduced to 65 mm
- 3. For all cases bearing may be reduced to 30 mm if continuous full depth blocking or compression blocks are installed
- 4. Web stiffener installation as per Detail F6 in the 'Installation Guide'
- 5. designIT may give a reduced bearing requirement

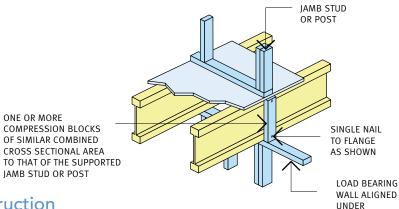
Intermediate supports - continuous spans



Minimum bearing to be as for joists supporting floor loads only. Load bearing wall to be supported by continuous full depth hyJOIST blocking.

Concentrated loads from jamb studs/posts

Use compression blocks to transfer loads through to supports as shown. Refer to Detail F18 in the 'Installation Guide'.



For lower storey of 2 storey construction

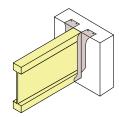
Continuous full depth hyJOIST blocking should be installed to transfer compression loads from load bearing walls to the supports. In most cases continuous hyJOIST blocking will be adequate to support the roof, wall and floor loads. Refer to designIT for confirmation.



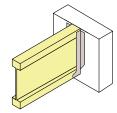
Support

Joist hangers

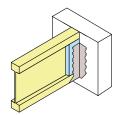
			FACE MOUI	NT HANGERS		TOP MOUNT
hyJOIST	MANUFACTURER	FULL	DEPTH	PARTIA	L DEPTH ³	HANGERS
SECTION CODE	OR DISTRIBUTOR	HANGER CODE	MINIMUM Nº OF NAILS TO BEARER	HANGER CODE	MINIMUM Nº OF NAILS TO BEARER	HANGER CODE
111200 45	Pryda	LF190/50	6	FB50180	8	LT200/50
HJ200 45	Mitek	IBHF20050	6			IBHT20050
111240 45	Pryda	LF235/50		FB50220		LT240/50
HJ240 45	Mitek	IBHF24050				IBHT24050
HJ240 63	Pryda	LF235/65	8	FB65170	10	LT240/65
пј240 63	Mitek	IBHF24065	8			IBHT24065
111240.00	Pryda	LF235/90	8	FB90200	10	LT240/90
HJ240 90	Mitek	IBHF24090	8			IBHT24090
111200 45	Pryda	LF297/50		FB50220	10	LT300/47
HJ300 45	Mitek	IBHF30050				IBHT30050
HJ300 63	Pryda	LF290/65	8	FB65170	10	LT302/65
n)500 65	Mitek	IBHF30065	8			IBHT30065
Ш200 00	Pryda	LF290/90	8	FB90200	12	LT300/90
HJ300 90	Mitek	IBHF30090	8			IBHT30090
H1260.62	Pryda	LF340/65		FB65170	12	LT360/65
HJ360 63	Mitek	IBHF36065				IBHT36065
U1340.00	Pryda	LF350/90	10	FB90200	12	LT356/90
HJ360 90	Mitek	IBHF36090	10			IBHT36090
111400.00	Pryda			LF350/90	14	LT400/90
HJ400 90	Mitek	IBHF40090	10			IBHT40090



TOP MOUNT HANGER



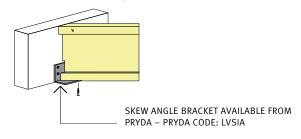
FULL DEPTH FACE MOUNT HANGER



PARTIAL DEPTH FACE MOUNT HANGERS WITH PACKING

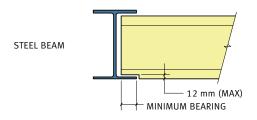
- 1. Nailing specified is for brackets face fixed to hySPAN or JD4 (or better) timber bearer or wale plate.
- 2. Brackets to be installed strictly in accordance with bracket manufacturers' recommendations. Note, nails for FB hangers are 35 x 3.15 flat head type; for all other hangers 35 x 3.75 flat head nails are specified.
- 3. Partial depth face mount hangers to be installed with web packing install as for web stiffeners refer Detail F6.

Skew angle bracket for oblique joists

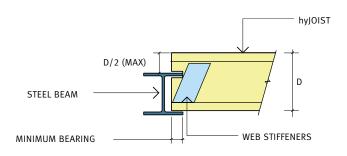


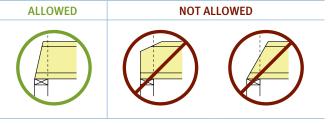
Limited notching at end supports is allowed

Flange Notches - Bottom and/or top flanges may be notched tomaximum depth 12 mm - refer Detail F7 in the 'Installation Guide'.

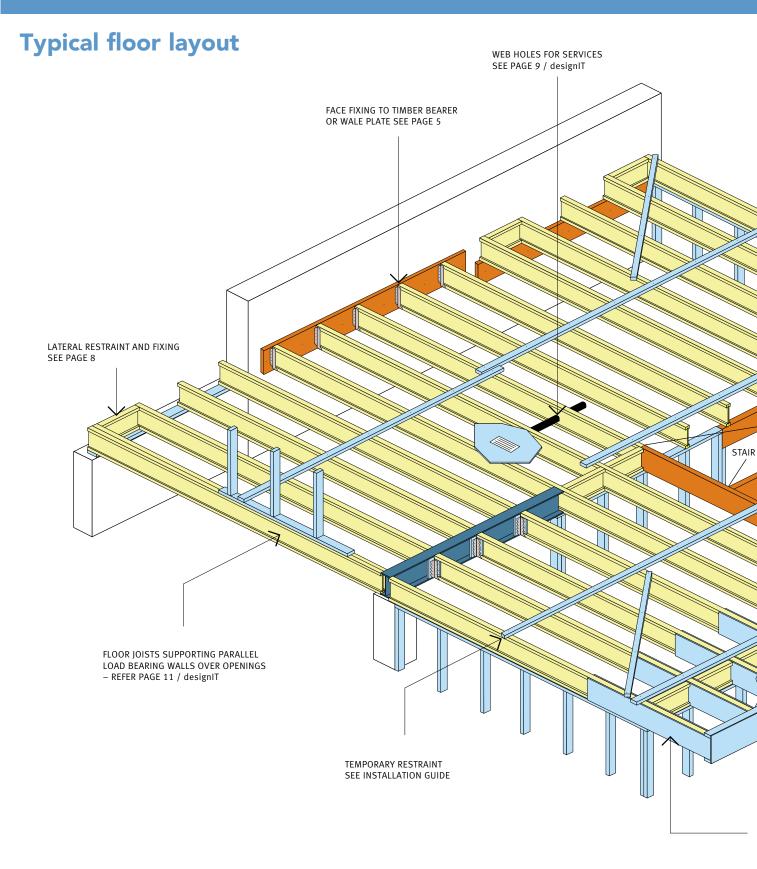


Webs may be cut to accommodate the top flange of steel beams in accordance with Detail F8 in the 'Installation Guide'. Web notches may be combined with flange notching.

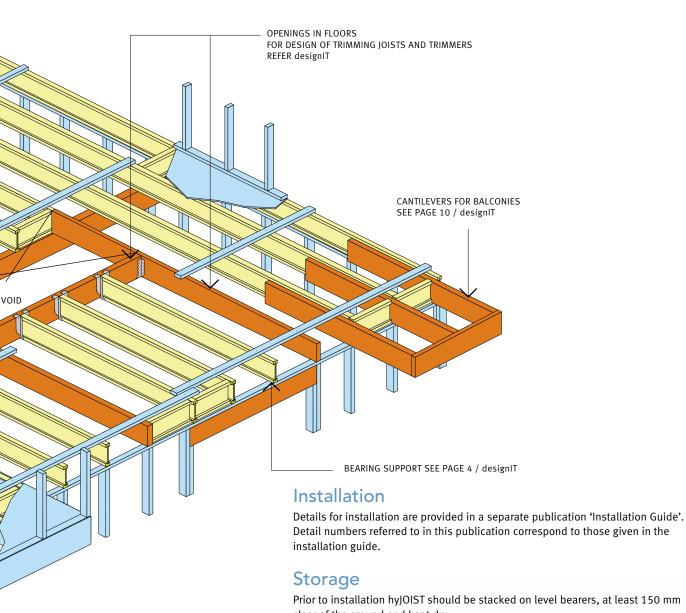












CANTILEVERS TO SUPPORT LOAD BEARING WALLS – REFER designIT



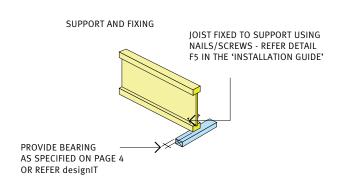


Lateral restraint requirements

Joists need to be installed and held plumb and straight if they are to perform to expectations.

At supports

- 1. Joists are to be fixed accurately in position at supports using nails or screws as per Detail F5 in the 'Installation Guide'.
- Specify hyJOIST blocking or equivalent to be installed in accordance with requirements given in the 'Installation Guide'.
 The installation requirements for blocking, bracing, 'rimboard' or boundary joists are specified in Details F1, F2, F3 and F17.

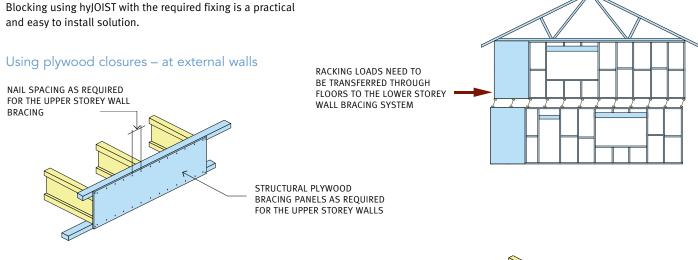


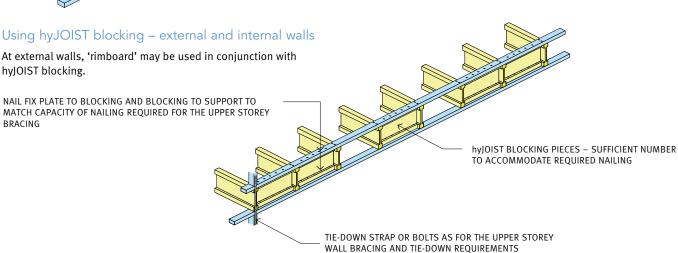
Requirements for intermediate support

Provided care is taken to ensure that joists are installed plumb and straight between supports there is no requirement for installation of intermediate blocking. During construction, prior to walking on bare joists, the top flange of hyJOIST should be restrained at not more than 2.5 m intervals using battens or equivalent fixed back to points of rigidity as shown in the 'Installation Guide'.

Transfer of wind and earthquake forces between floors

The design of houses includes quantification of lateral loads due to wind and earthquake. Racking forces determined for design of upper level bracing must be able to be transferred through the floor depth to the lower level. Racking forces in the direction of the joists are catered for by the considerable longitudinal shear capacity of the joists. For forces perpendicular to the joists, blocking and/or perimeter 'rimboard' and their associated fixings (installed to provide lateral restraint) may or may not be adequate. In particular, the fixing of the floor diaphragm to 'rimboard'/blocking and in turn, fixing of 'rimboard'/blocking to the supports must be adequate to resist the horizontal racking force used for design of the upper floor wall bracing system.







Web holes for hyJOIST

Holes may be cut through the web of hyJOIST provided they are located within the central part of the span as specified below.

For hole sizes other than those included below refer to the web hole calculator in designIT. For cases involving non-uniform loading or where the possibility of locating the hole closer to supports needs to be assessed, use the web hole option in the floor joist calculator in designIT.

CIRCULAR HOLES RECTANGULAR HOLES HOLE SPACING NOT LESS MAXIMIIM 40 mm 40 MM DIA. HOLE ALLOWED THAN 300 mm OR 2D (OR 2W) DIAMETER HOLE IN ANYWHERE IN WEB. CLOSEST HOLE LENGTH HOLE CANTILEVER SPAN SPACING 300 mm C/C DIAMETER W (+)MINIMUM DISTANCE (X) MINIMUM DISTANCE (X) FROM EITHER SUPPORT FROM EITHER SUPPORT JOIST SPAN (L) **CANTILEVER SPAN** MAXIMUM MINIMUM HOLE DIAMETER (mm) hyJOIST **HOLF** DISTANCE SECTION ø80 ø110 ø150 DIAMETER FROM CODE SUPPORT 'X' CIRCULAR HOLES - MINIMUM DISTANCE 'X' FROM SUPPORT - (m) (mm) HJ200 45 ø118 0.34L 0.16L N/A N/A HJ240 45 HI240 63 ø158 0.38L 0.12L 0.21L 0.26L0.33LHJ240 90 HJ300 45 0.18L 0.15L 0.24L HJ300 63 ø218 0.41L 0.10L* HJ300 90 0.10L* 0.14L 0.20L HI360 63 0.08L* 0.42L 0.3 m^* 0.11L 0.16Lø278 HJ360 90 0.40L 0.3 m* 0.3 m* 0.3 m* 0.05L* HJ400 90 ø318 0.40L 0.3 m* 0.3 m* 0.3 m* 0.08L*

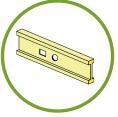
^{*} Minimum distance from any support is 0.3 metres

hyJOIST	HOL	E SIZE	PERI	MITTED LOCATIO	ONS FOR RECTA	ANGULAR HOLE	S				
SECTION	HEIGHT	LENGTH	L	Actual Span	'L' in metres						
CODE	(mm)	(mm)	Х	Minimum dis	tance from the	side of the ho	le to any supp	ort – (m)			
111200 45	440	250	L	≤ 3.8	4.0	4.2	4.4	4.5			
HJ200 45	118	250	Х	0.34L	1.38	1.59	1.80	1.90			
11124045	450	220	L	≤ 3.5	3.6	3.8	4.0	4.2	4.4	4.6	4.7
HJ240 45	158	330	Х	0.38L	1.36	1.50	1.65	1.80	1.95	2.10	2.18
11124042	450	220	L	≤ 3.5	5.5						
HJ240 63	158	330	Х	0.38L	2.13						
111240.00	450	220	L	≤ 5.8	6.0	6.1					
HJ240 90	158	330	Х	0.38L	2.36	2.45					
111200 45	240	/00	L	≤ 3.6	3.8	4.0	4.2	4.4	4.6	> 4.6	
HJ300 45	218	400	Х	0.41L	1.58	1.71	1.84	1.97	2.10	t	
111200 (2	240	/00	L	≤ 5.2	5.4	5.6	5.8	6.0	6.2	6.3	
HJ300 63	218	400	Х	0.41L	2.25	2.39	2.54	2.69	2.83	2.91	
111200 00	240	/00	L	≤ 6.4	6.6	6.8	7.0				
HJ300 90	218	400	Х	0.40L	2.73	2.88	3.04				
111260.62	278	500	L	≤ 5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8
HJ360 63	2/8	500	Х	0.42L	2.37	2.49	2.62	2.75	2.88	3.02	3.15
U1340 00	278	500	L	≤ 7.2	7.4	7.6	7.7				
HJ360 90	2/8	500	Х	0.40L	2.97	3.10	3.17				
H1400 00	210	600	L	≤8.0							
HJ400 90	318	600	Х	0.40L							

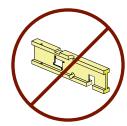
 \dagger Use the web hole option in the floor joist calculator in designIT Interpolate to obtain values of 'X' for spans intermediate between the values given

Notes

- Data applies for floor joists supporting uniform loads (and concentrated live load not exceeding 1.8 kN).
- Hole locations closer to supports may be possible for some load and support
 conditions; refer to the 'floor joist calculator' in designIT software or contact our free call
 market support service on 1800 808 131.
- Spacing between holes to be not less than 300 mm or twice the width (or twice the diameter) of the larger hole.
- 4. Not more than three holes with width or diameter greater than 80 mm in any span.
- 5. For cantilever spans holes greater than 40 mm diameter are not permitted.



DO CUT IN WEB



DO NOT CUT, NOTCH OR BORE THROUGH FLANGE



Cantilevers for balconies

Balcony cantilevers, subject to external weather exposure can be provided using preservative treated and protected outriggers as per Details F11 and F12 in the 'Installation Guide'. For weather proofed applications hyJOIST can be cantilevered to provide balcony support as per Detail F13 also in the 'Installation Guide'.

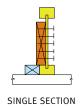
Outriggers can be seasoned stress-graded timber or hySPAN, either nested against the hyJOIST web and bearing on the top of the bottom flange or placed adjacent to the hyJOIST bearing directly on the support. Diagrams illustrating these configurations are shown below.

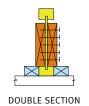
Some options for outriggers are included in the following table. These have all been determined for 2 kPa balcony floor load. For other floor loads and to consider other options refer to designIT.

hyJOIST	JOIST	MAXIMUM BALCONY	OUTRIGGI	ER OPTIONS	
SECTION CODE	SPACING (mm)	CANTILEVER (m)	NESTED OUTRIGGER	ADJACENT OUTRIGGER	
HJ200 45	450	1.0	No suitable size	150 x 35 hySPAN	
nj200 45	600	0.9	No suitable size	130 x 45 hySPAN	
	450	1.2	2/150 x 35 hySPAN	170 x 45 hySPAN	
111240 45		1.1	2/140 x 35 MGP10	190 x 45 F5	
HJ240 45	600	1.0	150 x 45 hySPAN	150 x 45 hySPAN	
			2/140 x 35 MGP10	190 x 45 F5	
	450	1.2	2/150 x 35 hySPAN	170 x 45 hySPAN	
11124042				190 x 45 F5	
HJ240 63	600	1.2	2/150 x 35 hySPAN	200 x 45 hySPAN	
				240 x 45 F5	
1110/000	450	1.4	2/150 x 35 hySPAN	N - 5	
HJ240 90	600	1.3	2/150 x 45 hySPAN	Not Recommended	
	450	1.4	200 x 35 hySPAN	200 x 35 hySPAN	
111200 45			190 x 45 MGP12	240 x 45 F5	
HJ300 45	600	1.3	200 x 45 hySPAN	200 x 45 hySPAN	
				240 x 45 F5	
	450	1.5	200 x 45 hySPAN	200 x 45 hySPAN	
111200 (2				240 x 45 F5	
HJ300 63	600	1.4	200 x 45 hySPAN	200 x 45 hySPAN	
				290 x 45 F5	
111200 00	450	1.7	2/200 x 35 hySPAN	Not December de d	
HJ300 90	600	1.6	2/200 x 35 hySPAN	Not Recommended	
	450	1.7	240 x 45 hySPAN	240 x 45 hySPAN	
11124042				290 x 45 F5	
HJ360 63	600	1.6	240 x 45 hySPAN	240 x 45 hySPAN	
				290 x 45 F5	
111240.00	450	1.9	240 x 63 hySPAN	Not December de d	
HJ360 90	600	1.8	2/240 x 45 hySPAN	Not Recommended	
	450	2.0	300 x 45 hySPAN		
HJ400 90	600	1.9	300 x 45 hySPAN	Not Recommended	

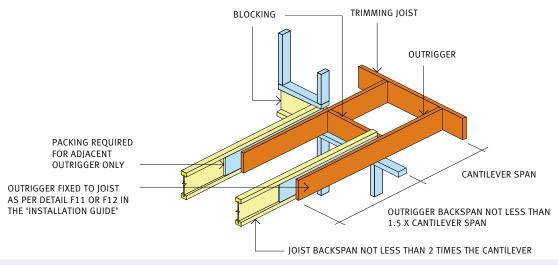


ADJACENT OUTRIGGER





NESTED OUTRIGGER





Joists supporting parallel load bearing walls

						SHEET RO	OF & CEILING					
hyJOIST			ROOF LOAD	WIDTH (m)					ROOF LOAD	WIDTH (m)		
SECTION	1.8	2.4	3.6	4.8	6.0	7.2	1.8	2.4	3.6	4.8	6.0	7.2
CODE		N	MAXIMUM SIN	IGLE SPAN (n	n)			MAX	IMUM CONT	INUOUS SPAI	N (m)	
HJ200 45	2.7	2.5	2.2	2.0	1.7	1.5	2.9	2.5	2.0	1.6	1.3	1.2
2/HJ200 45	3.5	3.3	3.0	2.8	2.6	2.4	4.1	3.9	3.4	3.1	2.7	2.3
HJ240 45	3.1	2.9	2.6	2.4	2.2	1.9	3.9	3.3	2.6	2.1	1.8	1.5
2/HJ240 45	4.1	3.9	3.5	3.2	3.0	2.8	4.7	4.3	3.8	3.4	3.2	2.9
HJ240 63	3.5	3.2	2.9	2.6	2.2	1.9	3.8	3.3	2.5	2.1	1.8	1.5
2/HJ240 63	4.5	4.3	3.9	3.6	3.3	3.1	5.4	5.2	4.5	4.1	3.5	3.0
HJ240 90	4.0	3.8	3.4	3.1	2.945	2.545	4.970	4.380	3.480	2.880	2.380	2.080
HJ300 45	3.8	3.5	3.2	2.9	2.745	2.545	4.770	4.490	3.490	2.890	2.490	2.090
2/HJ300 45	4.8	4.6	4.2	3.9	3.6	3.4	4.9	4.6	4.2	3.9	3.6	3.3
HJ300 63	4.2	3.9	3.5	3.245	2.945	2.545	5.080	4.490	3.490	2.890	2.390	2.090
2/HJ300 63	5.1	4.9	4.6	4.3	4.0	3.8	6.1	5.8	5.1	4.6	4.270	3.980
HJ300 90	4.7	4.5	4.145	3.865	3.465	2.965	5.6	5.0##	3.9##	3.2##	2.7##	2.4##
HJ360 63	4.7	4.545	4.145	3.765	3.465	3.065	5.5##	5.1##	3.9##	3.2##	2.7##	2.4##
2/HJ360 63	5.7	5.5	5.1	4.8	4.6	4.445	6.1	6.0	5.5	5.290	4.8##	4.4##
HJ360 90	5.2	5.045	4.765	4.065	3.465	2.965	5.9##	5.0##	3.9##	3.2##	2.7##	2.4##
HJ400 90	5.645	5.345	4.965	4.065	3.465	2.965	5.8##	5.0##	3.9##	3.2##	2.7##	2.4##

						TILE ROO	F & CEILING					
hyJOIST			ROOF LOAD	WIDTH (m)					ROOF LOAD	WIDTH (m)		
SECTION	1.8	2.4	3.6	4.8	6.0	7.2	1.8	2.4	3.6	4.8	6.0	7.2
CODE		٨	MAXIMUM SIN	IGLE SPAN (n	n)			MAX	IMUM CONTI	INUOUS SPAI	N (m)	
HJ200 45	2.2	1.8	1.3	NS	NS	NS	1.8	1.5	NS	NS	NS	NS
2/HJ200 45	2.9	2.7	2.3	2.1	1.7	NS	3.6	2.9	2.1	1.7	1.4	1.2
HJ240 45	2.5	2.3	1.7	1.4	NS	NS	2.4	1.9	1.4	NS	NS	NS
2/HJ240 45	3.4	3.1	2.7	2.4	2.2	1.9	4.0	3.7	2.8	2.2	1.8	1.5
HJ240 63	2.8	2.4	1.7	1.4	NS	NS	2.3	1.9	1.4	NS	NS	NS
2/HJ240 63	3.7	3.4	3.0	2.7	2.2	1.9	4.6	3.8	2.7	2.2	1.8	1.5
HJ240 90	3.3	3.045	2.345	1.845	1.545	1.345	3.180	2.580	1.880	1.480	1.280	NS
HJ300 45	3.1	2.845	2.345	1.845	1.545	1.345	3.190	2.590	1.990	1.590	1.290	NS
2/HJ300 45	4.1	3.7	3.3	3.0	2.745	2.545	4.0	3.745	3.370	2.990	2.490	2.090
HJ300 63	3.445	3.145	2.345	1.845	1.545	1.345	3.190	2.590	1.890	1.490	1.290	NS
2/HJ300 63	4.5	4.1	3.6	3.245	3.045	2.545	5.0	4.780	3.790	2.990	2.490	2.090
HJ300 90	4.045	3.665	2.765	2.165	1.765	1.565	3.6##	2.9##	2.1##	1.7##	1.4##	1.2##
HJ360 63	3.965	3.665	2.765	2.165	1.765	1.565	3.6##	3.0##	2.2##	1.7##	1.4##	1.2##
2/HJ360 63	5.0	4.7	4.245	3.865	3.565	2.965	5.1	4.780	4.2##	3.4##	2.8##	2.4##
HJ360 90	4.565	3.765	2.765	2.165	1.765	1.565	3.6##	2.9##	2.1##	1.7##	1.4##	1.2##
HJ400 90	4.565	3.765	2.765	2.165	1.765	1.565	3.6##	2.9##	2.1##	1.7##	1.4##	1.2##

- 1. NS signifies the calculated span is less than 1.2 m.
- 2. Bearing for single span joists or the end supports of continuous joists, provide at least 30 mm bearing unless signified otherwise by a subscript value adjacent to the quoted maximum span. For the intermediate supports of continuous span joists, provide at least 65 mm bearing unless signified otherwise by a subscript value adjacent to the quoted span - ##, signifies that web stiffeners are required together with a bearing of 90 mm.

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