

Depth Range	Product Code	Size			Bearing	Loads (kN)				38x3.75mm Nails	
		Height	Width			Dead Load	Dead + Floor Live Load	Dead + Roof Live Load	Uplift	Supporting	Supported
LUS Type Hangers											
90	LUS46/77	77	46	45	3.2	3.8	4.4	2.0	4	2 ⁽²⁾	
120-170	LUS46/118	118	46	45	3.2	3.8	4.4	4.6	4	4 ⁽²⁾	
170-240	LUS46/166	166	46	45	4.8	5.7	6.6	4.6	6	6 ⁽²⁾	
SAE Type Hangers											
240-300	SAE500/46/2	227	46	84	15.4	18.6	20.8	14.3	34	18	
356-406	SAE620/44/2	288	45	75	20.2	24.5	27.3	17.5	40	22	
150-200	SAE340/64/2	138	64	84	10.7	13.0	14.5	9.5	22	12	
225-300	SAE500/64/2	218	64	84	15.4	18.6	20.8	14.3	34	18	
356-450	SAE620/64/2	279	64	75	20.2	24.5	27.3	17.5	40	22	
225-300	SAE500/90/2	205	90	84	15.4	18.6	20.8	14.3	34	18	
300-406	SAE620/90/2	265	90	75	20.2	24.5	27.3	17.5	40	22	
HU Type Hangers											
240 - 300	HU9	237	46	64	13.8	16.7	18.6	12.1	24	10	
300 - 400	HU11	281	46	64	17.2	20.9	23.3	12.1	30	10	
130 - 200	HU36	132	65	64	4.6	5.6	6.2	5.1	8	4	
240 - 300	HU310	225	65	64	8.0	9.7	10.9	7.1	14	6	
300 - 400	HU312	275	65	64	9.2	11.1	12.4	7.1	16	6	
170 - 200	HU48	155	90	64	8.0	9.7	10.9	4.9	14	6	
240 - 300	HU410	212	90	64	10.3	12.5	14.0	7.5	18	10	
300 - 360	HU412	263	90	64	12.6	15.3	17.1	7.5	22	10	
360 - 400	HU414	303	90	64	13.8	16.7	18.6	7.0	24	12	

NOTES

1. Use 38x3.75mm Galvanized Nails to holes provided unless nominated otherwise
2. Use 65x3.75mm Galvanized Nails to holes provided on LUS Type connector fixing to the supported member
3. Values based on fixing in to timbers with a Joint Group of JD4 or better
4. Apply the reduction factors per the table shown above to the values provided where the application does not meet the requirements of Category 1 of Table 2.2 in ASI720.1
5. Only install fixing to predetermined holes in connectors
6. Hangers to be a minimum of 2/3 the depth of the I-Joists
- 7.

Category Reduction Factors		
1	2	3
1.00	0.94	0.88
Applied K_1 Modification Factors		
Dead Load		0.57
Dead + Floor Live Load		0.69
Dead + Roof Live Load		0.77
Dead + Wind		1.14

SIMPSON
Strong-Tie

I-Joist Hanger Codes			
Spec Joist Size	Dunning's	Simpson Strong-Tie	
Face Mount Hangers	240x45	BIH237X45	IUSE239/48
	300x45	BIH297X45	IUSE299/48
	240x53	BIH233X53	IUSE239/54
	300x53	BIH293X53	IUSE299/54
	240x58	BIH238X60	-
	300x58	BIH290X60	IUSE299/61
	360x58	BIH347X60	IUSE359/61
	400x58	BIH397X60	IUSE399/61
	240x89	BIH235X90	IUSE239/92
	300x89	BIH290X90	IUSE299/92
	360x89	BIH342X90	IUSE359/92
	400x89	BIH390X90	IUSE399/92
Top Mount Hangers	240x45	BTIH240X45	ITSE239/48
	300x45	BTIH300X45	ITSE299/48
	240x53	BTIH240X53	ITSE239/54
	300x53	BTIH300X53	ITSE299/54
	240x58	BTIH240X60	-
	300x58	BTIH300X60	ITSE299/61
	360x58	BTIH360X60	ITSE359/61
	400x58	BTIH400X60	ITSE399/61
	240x89	BTIH240X90	ITSE239/92
	300x89	BTIH300X90	ITSE299/92
	360x89	BTIH360X90	ITSE359/92
	400x89	BTIH400X90	ITSE399/92

Category Reduction Factors		
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1.00	0.94	0.88

Applied K_1 Modification Factors	
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Dead + Floor Live Load	0.69
Dead + Roof Live Load	0.77
Dead + Wind	1.14

Dunning's I-Joist Hanger Fixing Capacities			
Per Side	Load Combination	JD3	JD4
Face Mount Hangers ^{(1) (2)}			
4 Nails	Dead Load	7.2	5.2
	Dead + Floor Live Load	8.7	6.2
5 Nails	Dead Load	9.0	6.5
	Dead + Floor Live Load	10.9	7.8
6 Nails	Dead Load	10.8	7.7
	Dead + Floor Live Load	13.1	9.4
8 Nails	Dead Load	14.4	10.3
	Dead + Floor Live Load	17.5	12.5
Top Mount Hangers ^{(1) (2)}			
3 Nails ⁽¹⁾	Dead Load	6.5	3.8
	Dead + Floor Live Load	7.8	4.6

Simpson Strong-Tie I-Joist Hanger Fixing Capacities			
Per Side	Load Combination	JD3	JD4
Face Mount Hangers ^{(1) (3)}			
7 Nails	Dead Load	9.3	6.7
	Dead + Floor Live Load	11.2	8.0
8 Nails	Dead Load	10.7	7.6
	Dead + Floor Live Load	12.8	9.2
10 Nails	Dead Load	13.4	9.5
	Dead + Floor Live Load	16.1	11.5
11 Nails	Dead Load	14.7	10.5
	Dead + Floor Live Load	17.7	12.5
Top Mount Hangers ^{(1) (3)}			
3 Nails	Dead Load	7.5	4.4
	Dead + Floor Live Load	9.1	5.2

75x50x5mm Variable Skew Angle Seat ⁽⁴⁾			
Fixings	Load Combination	JD3	JD4
6 Screws	Dead Load	5.8	4.1
	Dead + Floor Live Load	7.0	5.0
	Dead + Roof Live Load	7.8	5.6
	Dead + Wind	9.0	8.3

NOTES

- Use 38x3.75mm Galvanized Nails to holes provided
- Recommended to use No.6 Type 17 Bugle Head Screw 30mm through hanger into bottom of I-Joist
- 0.55 kN uplift capacity when 2/ 38x3.75mm Nails fitted to bottom flange of joists via the holes provided
- Use No.12 Type 17 Screws 30mm to supporting member & No.12 Type 17 Bugle Head Screws 30mm to supported member
- Apply the reduction factors per the table shown above to the values provided where the application does not meet the requirements of Category 1 of Table 2.2 in AS1720.1
- Only install fixing to predetermined holes in connectors
- I-Joist Hangers do not provide any tie-down. Where uplift is present additional tied-own provisions are required. Refer to AS1684 for more details
- I-Joist hangers are to restrain the top flanges of the I-Joist by a minimum of 20mm
- If I-Joist hangers do not restrain the top flange then web stiffeners are required to be fitted to both sides of the I-Joist web
- Hangers to be a minimum of 2/3 the depth of the I-Joists
- Face & Top Mount hangers must not be modified in any way. Hangers will generally allow a skew up to 5° and a slope up to 2°