

**MH** Mini Hanger

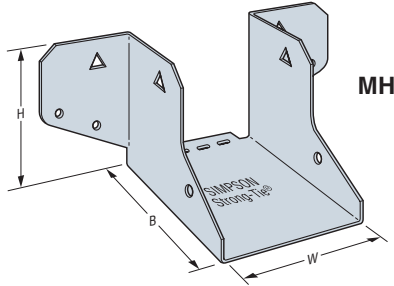


THE MH IS A ONE PIECE GALVANISED HANGER AVAILABLE IN A RANGE OF WIDTHS FOR LIGHT DUTY APPLICATIONS SUCH AS TRIMMERS AND CEILING JOISTS.

- Suitable for use with solid and I-joist headers.
- Tab on seat ensures easy and accurate placement with easy bend feature when not required.
- Fully tested on a range of solid headers.

**MATERIAL:** 1.0mm pre-galvanised mild steel.

**INSTALLATION:** For I-Joist headers fill all round holes with nails. The hanger depth should be at least 60% of the carried member depth to prevent rotation, if less than 60% additional lateral restraint is required to the top of the carried member.



Model No.	Dimensions (mm)			Number of Fasteners (3.75mm x 30mm)		Safe Working Loads (kN)			Characteristic Capacity (kN)		
						I-Joist based on bottom flange connection			C24 Flanges	LVL Flanges	All Flange Type
	H	W	B	Support	Carried Member	Long Term	Long Term	Uplift Short Term			
MH40	55	40	56	4	2	2.00	1.50	1.00	3.90	3.60	1.01
MH46	52	46	56	4	2	2.00	1.50	1.00	3.90	3.60	1.01
MH50	50	50	56	4	2	2.00	1.50	1.00	3.90	3.60	1.01

**HU & U** Face Fix Hangers



HEAVY-DUTY HANGERS DESIGNED FOR APPLICATIONS REQUIRING ADDITIONAL STRENGTH.

- Composite HU hangers have round and triangle holes in the face and joist.
- The hanger depth is to be at least 60% of the carried member depth to prevent rotation, unless additional lateral restraint is added to the top of the carried member.

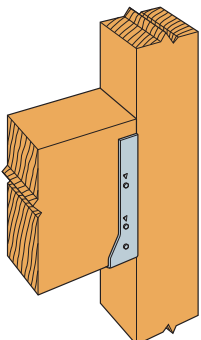
**MATERIAL:** U: 1.5mm pre-galvanised mild steel. HU: 2.0mm pre-galvanised mild steel.

**INSTALLATION:** Use all specified fasteners. Verify that the header can take the required fasteners specified in the table. Composite HU hangers can be installed according to two different nailing schedules. To achieve maximum published loads all round and triangular holes must be filled with the specified fasteners.

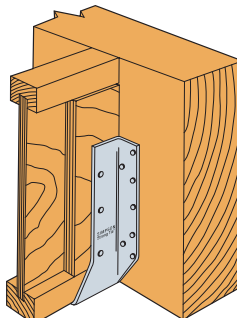
**OPTIONS:** Slope and skew options available for all HU hangers. Skews right or left up to 67.5° and slopes up or down up to 45°. Hangers with skews greater than 15° may have all joist nailing on the outside angle. Concealed flanges available on some models. Specify HUC.

Minimum Width = 70mm for composite HU hangers.

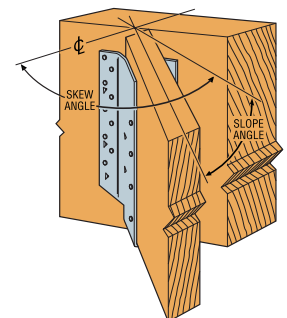
Typical HU Post Installation



Typical HU Installation With Composite Wood Joist



Typical HU(X) Sloped Down, Skewed Right Installation





Timber Hangers for I-Joist & Metal Web

Joist Size		Model No.	Dimension (mm)			Qty Fasteners			Safe Working Loads (kN)			Characteristic Capacity (kN)		
Width (mm)	Height (mm)		H	W	B	Nailing Schedule	Face	Joist	Short Term Uplift	C16 & I-Joist Header		Uplift	C16 & I-Joist Header	
										LVL Header			Download	LVL
										Long Term	Long Term	Download	Download	
38	89-114	HU26	78	40	57	Std	4 <sup>3</sup>	2 <sup>1</sup>	0.93	2.47	2.70	1.80	3.41	6.29
	200-241	HU210	198	40	57	Std	8 <sup>3</sup>	4 <sup>1</sup>	2.14	4.94	5.39	3.60	9.97	15.23
45	184-241	HU7	170	46	64	Min	12 <sup>3</sup>	4 <sup>1</sup>	2.14	7.42	8.09	3.60	14.57	22.61
						Max	16 <sup>3</sup>	8 <sup>1</sup>	4.27	9.89	10.78	7.20	19.43	30.15
	241-302	HU9	235	46	63	Min	18 <sup>3</sup>	6 <sup>1</sup>	3.20	11.12	12.13	5.40	23.68	35.03
						Max	24 <sup>3</sup>	10 <sup>1</sup>	5.34	14.83	16.16	9.00	31.57	46.70
	302-356	HU11	279	46	63	Min	22 <sup>3</sup>	6 <sup>1</sup>	3.20	13.60	14.83	5.40	29.70	43.24
						Max	30 <sup>3</sup>	10 <sup>1</sup>	5.34	18.54	20.22	9.00	40.50	47.52
356	HU14	346	46	63	Min	28 <sup>3</sup>	8 <sup>1</sup>	4.27	17.30	18.87	7.20	38.88	47.52	
					Max	36 <sup>3</sup>	14 <sup>1</sup>	7.47	22.25	24.26	12.60	47.52	47.52	
58	241	U3510/14	229	59	51	Std	14 <sup>3</sup>	6 <sup>1</sup>	3.20	8.65	9.44	5.40	18.70	22.36
	302	U3516/20	268	62	50	Std	16 <sup>3</sup>	6 <sup>1</sup>	3.20	9.89	10.78	5.40	21.74	25.82
68	241-302	HU2.75/10	229	70	63	Min	14 <sup>3</sup>	6 <sup>1</sup>	3.20	8.65	9.44	5.40	18.23	27.14
						Max	18 <sup>3</sup>	10 <sup>1</sup>	5.34	11.12	12.13	9.00	23.44	34.89
	302-356	HU2.75/12	273	70	63	Min	16 <sup>3</sup>	6 <sup>1</sup>	3.20	9.89	10.78	5.40	21.50	31.39
						Max	22 <sup>3</sup>	10 <sup>1</sup>	5.34	13.60	14.83	9.00	29.57	43.16
	356-406	HU2.75/14	330	70	63	Min	18 <sup>3</sup>	8 <sup>1</sup>	4.27	11.12	12.13	7.20	24.63	35.55
						Max	24 <sup>3</sup>	14 <sup>1</sup>	7.47	14.83	16.18	12.60	32.84	47.40
406	HU2.75/16	357	70	63	Min	20 <sup>3</sup>	8 <sup>1</sup>	4.27	12.36	13.48	7.20	27.64	39.65	
					Max	26 <sup>3</sup>	14 <sup>1</sup>	7.47	16.07	17.52	12.60	35.94	47.52	
2ply 38	89-114	HU24-2	78	79	63	Std	4 <sup>3</sup>	2 <sup>1</sup>	1.16	2.47	2.70	2.62	3.11	5.94
						Min	8 <sup>3</sup>	4 <sup>2</sup>	2.14	4.94	5.39	5.24	8.51	14.19
	140-184	HU26-2	137	79	63	Max	12 <sup>3</sup>	6 <sup>2</sup>	3.20	7.42	8.09	7.86	12.77	21.28
						Min	10 <sup>3</sup>	4 <sup>2</sup>	2.34	6.18	6.74	5.24	11.85	18.64
	184-241	HU28-2	178	79	63	Max	14 <sup>3</sup>	6 <sup>2</sup>	3.20	8.65	9.44	7.86	16.80	26.10
						Std	14 <sup>3</sup>	6 <sup>2</sup>	3.20	8.65	9.44	7.86	18.70	22.36
241	U210-2	216	79	50	Min	14 <sup>3</sup>	6 <sup>2</sup>	4.03	8.65	9.44	7.86	17.72	26.84	
					Max	18 <sup>3</sup>	10 <sup>2</sup>	6.69	11.12	12.13	13.10	22.79	34.50	
241-302	HU210-2	224	79	63	Min	16 <sup>3</sup>	6 <sup>2</sup>	4.03	9.89	10.78	7.86	21.14	31.19	
					Max	22 <sup>3</sup>	10 <sup>2</sup>	6.69	13.60	14.83	13.10	29.07	42.89	
302-356	HU212-2	368	79	63	Min	10 <sup>3</sup>	4 <sup>2</sup>	2.69	6.18	6.74	5.24	11.70	18.54	
					Max	14 <sup>3</sup>	6 <sup>2</sup>	4.03	8.65	9.44	7.86	16.39	25.96	
2ply 45 or 89	184-241	HU48	173	90	63	Std	14 <sup>3</sup>	6 <sup>2</sup>	3.96	8.65	9.44	7.86	18.70	22.36
						Min	14 <sup>3</sup>	6 <sup>2</sup>	4.03	8.65	9.44	7.86	17.72	26.84
	241-302	HU410	219	90	63	Max	18 <sup>3</sup>	10 <sup>2</sup>	6.69	11.12	12.13	13.10	22.79	34.50
						Min	16 <sup>3</sup>	6 <sup>2</sup>	4.03	9.89	10.78	7.86	21.04	31.14
	302-356	HU412	262	90	63	Max	22 <sup>3</sup>	10 <sup>2</sup>	6.69	13.60	14.83	13.10	28.94	42.81
						Min	20 <sup>3</sup>	8 <sup>2</sup>	5.36	12.36	13.48	10.48	27.54	39.60
356-406	HU416	346	90	63	Max	26 <sup>3</sup>	12 <sup>2</sup>	8.05	16.07	17.52	15.72	35.81	47.52	
					Min	14 <sup>3</sup>	6 <sup>3</sup>	4.79	8.65	9.44	8.88	17.00	26.38	
2ply 52	241-302	HU4.12/9	219	106	63	Max	18 <sup>3</sup>	8 <sup>3</sup>	6.36	11.12	12.13	11.84	21.86	33.91
						Min	16 <sup>3</sup>	6 <sup>3</sup>	4.76	9.89	10.78	8.88	21.78	31.54
2ply 58	300-356	HU212-3	262	120	63	Max	22 <sup>3</sup>	8 <sup>3</sup>	6.36	13.60	14.83	11.84	29.94	43.37
						Std	16 <sup>3</sup>	6 <sup>3</sup>	3.96	9.89	10.78	7.86	21.74	25.82
3ply 45 or 133	200-302	HU5.31/9	196	135	63	Min	14 <sup>3</sup>	6 <sup>3</sup>	4.76	8.65	9.44	8.88	17.72	26.84
						Max	18 <sup>3</sup>	8 <sup>3</sup>	6.36	11.12	12.13	11.84	22.79	34.50
	241-302	HU5.31/11	240	135	63	Min	16 <sup>3</sup>	6 <sup>3</sup>	4.76	9.89	10.78	8.88	21.04	31.14
						Max	22 <sup>3</sup>	8 <sup>3</sup>	6.36	13.60	14.83	11.84	28.94	42.81
	302-356	HU5.31/14	297	135	63	Min	18 <sup>3</sup>	8 <sup>3</sup>	6.36	11.12	12.13	11.84	24.50	35.48
						Max	24 <sup>3</sup>	12 <sup>3</sup>	9.54	14.83	16.18	17.76	32.66	47.31
356-406	HU5.31/16	324	135	63	Min	20 <sup>3</sup>	8 <sup>3</sup>	6.36	12.36	13.48	11.84	27.54	39.60	
					Max	26 <sup>3</sup>	12 <sup>3</sup>	9.54	16.07	17.52	17.76	35.81	47.52	
2ply 89 or 4ply 45	200-241	HU480/180	150	180	63	Min	10 <sup>3</sup>	4 <sup>3</sup>	3.20	6.18	6.74	5.92	11.04	18.05
						Max	14 <sup>3</sup>	6 <sup>3</sup>	4.76	8.65	9.44	8.88	15.46	25.28
	184-241	HU530/180	175	180	63	Std	14 <sup>3</sup>	6 <sup>3</sup>	6.36	8.65	9.44	8.88	16.58	26.10
						Min	14 <sup>3</sup>	6 <sup>3</sup>	4.76	8.65	9.44	8.88	17.92	26.95
	241-302	HU410-2	231	181	63	Max	18 <sup>3</sup>	8 <sup>3</sup>	6.36	11.12	12.13	11.84	23.04	34.66
						Min	16 <sup>3</sup>	6 <sup>3</sup>	4.76	9.89	10.78	8.88	21.35	31.31
302-356	HU412-2	282	181	63	Max	22 <sup>3</sup>	8 <sup>3</sup>	6.36	13.60	14.83	11.84	29.35	43.04	
					Min	20 <sup>3</sup>	8 <sup>3</sup>	6.36	12.36	13.48	11.84	27.61	39.63	
356-406	HU414-2	352	181	63	Max	26 <sup>3</sup>	12 <sup>3</sup>	9.54	16.07	17.52	17.76	35.89	47.52	

1. 3.75 x 30mm square twist nails.
2. 3.75 x 75mm smooth shank nails.
3. 4.0 x 100mm smooth shank nails.
4. Characteristic downloads are based on 3.75 x 75mm face nail capacities.