



LUGT Girder Tiedowns

The LUGT series is an extremely adaptable tiedown for girder trusses and offers several installation options to accommodate different framing conditions. It is an ideal retrofit solution to reinforce truss connections to transfer high wind loads to supporting walls and can be used on either wood framed, concrete or CMU block walls.

LUGT1 – is designed for wood framed walls.

LUGTC2 – is designed for corner hip trusses on wood framed walls.

LUGT2, LUGT3 & LUGT4 – are designed for wood frame, concrete or CMU block walls.

Materials: See chart

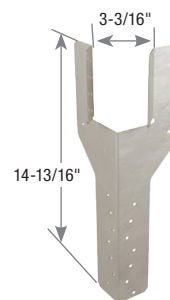
Finish: G90 galvanizing

Codes: Factored resistances are derived from data submitted to various North American building code evaluators and are in accordance with CSA O86-14.

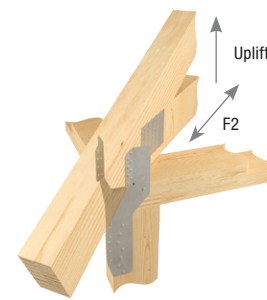
Installation:

- For proper installation, the number of studs must be equal-to or greater-than the number of truss plies.
- All nail holes must be filled with specified nails to achieve loads listed in the chart. Large holes are for concrete/masonry installations and do not need to be filled when used for girder-to-stud applications.
- WS Wood Screws included with LUGT3 and LUGT4.
- Powers Wedge-Bolt+ or DeWalt Screw-Bolt+ anchors, and drill bits are not supplied with LUGT2, LUGT3 or LUGT4 and must be ordered separately.

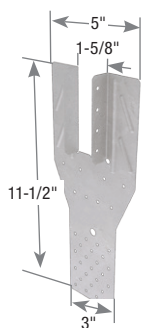
• For concrete and masonry applications, a moisture barrier may be required, check local building code.



LUGTC2



Typical LUGTC2 installation



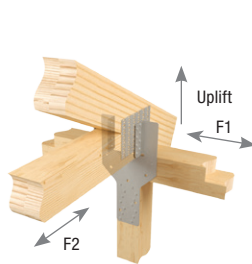
LUGT1



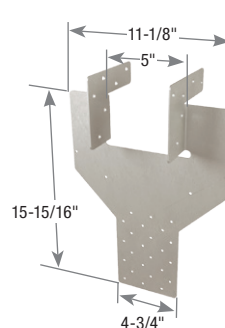
Typical LUGT1 installation



LUGT2



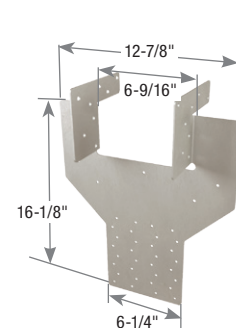
Typical LUGT2 installation



LUGT3



Typical LUGT3 installation (LUGT4 similar)



LUGT4



Typical LUGT2 masonry installation



Typical LUGT4 masonry installation (LUGT3 similar)

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No. of Plies	MiTek Stock No.	Steel Gauge	Fastener Schedule ⁷					Unit	DF Factored Resistance			S-P-F Factored Resistance			
			Rafter/Truss		Plate		Stud ^{3,4}		Uplift 115% ^{1,2}	F1 115% ^{1,2}	F2 115% ^{1,2}	Uplift 115% ^{1,2}	F1 115% ^{1,2}	F2 115% ^{1,2}	
			Qty	Type	Qty	Type	Qty								Type ⁵
1	LUGT1 ⁴	18	8	8d x 1-1/2	8	8d x 1-1/2	7	8d x 1-1/2	Lbs	1415	1090	290	1295	895	235
									kN	6.29	4.85	1.29	5.76	3.98	1.05
2	LUGT2	14	16	10d	2	10d	14	10d	Lbs	3595	1795	805	2825	1410	630
									kN	15.99	7.98	3.58	12.57	6.27	2.80
	LUGTC2	14	16	10d	2	10d	14	10d	Lbs	3595	--	805	2825	--	630
									kN	15.99	--	3.58	12.57	--	2.80
3	LUGT3	12	12	WS25	4	16d Sinker	24	16d Sinker	Lbs	5485	3075	1380	4775	2415	1085
									kN	24.40	13.68	6.14	21.24	10.74	4.83
4	LUGT4	12	16	WS3	5	16d Sinker	32	16d Sinker	Lbs	7345	--	--	5765	--	--
									kN	32.67	--	--	25.64	--	--
Concrete or Masonry Application⁶															
2	LUGT2	14	16	10d	--	--	5	1/4" x 3"	Lbs	3415	1795	765	2685	1410	600
									kN	15.19	7.98	3.40	11.94	6.27	2.67
3	LUGT3	12	12	WS25	--	--	4	3/8" x 5"	Lbs	5260	--	--	4220	--	--
									kN	23.40	--	--	18.77	--	--
4	LUGT4	12	16	WS3	--	--	4	3/8" x 5"	Lbs	5260	--	--	4275	--	--
									kN	23.40	--	--	19.02	--	--

- 1) Factored resistances have been increased 15% for short-term loads such as wind and earthquake; reduce for other load durations in accordance with the code.
- 2) Factored resistances apply where roof pitch is between 3:12 and 8:12.
- 3) For proper installation, the number of studs must be equal-to or greater-than the number of roof truss plies.
- 4) **The LUGT1 can be installed with the stud offset from the rafter a maximum of 1" (center-to-center) with no reduction in factored resistances.**
- 5) For concrete applications, 1/4" x 3" or 3/8" x 5" denotes Powers Wedge-Bolt+ or DeWalt Screw-Bolt+; or equal, installed in accordance with manufacturer's specification.
- 6) For concrete or masonry applications, fasteners must be installed in fully grouted and reinforced concrete masonry ($f'm = 1,500$ psi) or reinforced concrete ($f'c = 2,500$ psi).
- 7) **NAILS:** 8d x 1-1/2 are 0.131" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, 16d Sinkers are 0.148" dia. x 3-1/4" long, WS25 Wood Screws are 1/4" dia. x 2-1/2" long (supplied with LUGT3) and WS3 Wood Screws are 1/4" dia. x 3" long (supplied with LUGT4). Updated product information are designated in **blue font**.

PEO
Certificate No. 10889485



Dec. 19, 2017

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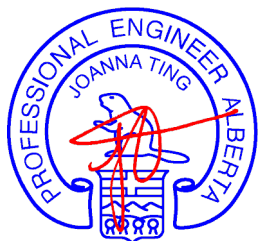


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APEGA
Permit No. P3837



Dec. 19, 2017



Dec. 19, 2017

APEGM
Certificate No. 96



Dec. 19, 2017

APEGS
Certificate No. C0940



No. of Plies	MiTek Stock No.	Steel Gauge	Fastener Schedule ⁷						Unit	DF Factored Resistance			S-P-F Factored Resistance		
			Rafter/Truss		Plate		Stud ^{3,4}			Uplift 115% ^{1,2}	F1 115% ^{1,2}	F2 115% ^{1,2}	Uplift 115% ^{1,2}	F1 115% ^{1,2}	F2 115% ^{1,2}
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2	LUGTC2	14	16	10d	2	10d	14	10d	Lbs	3595	--	805	2825	--	630
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December 2017 USP2320-LUGT

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APENS
Permit No. 15800 0



Dec. 19, 2017

PEG
Permit No. D0027



Dec. 19, 2017

APEPEI
Permit No. A195



DATE: Dec. 19, 2017

APEGNB
Certificate No. F0649



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