



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** and **LUGT4** are designed for wood frame, concrete or CMU block walls.

Materials: See chart

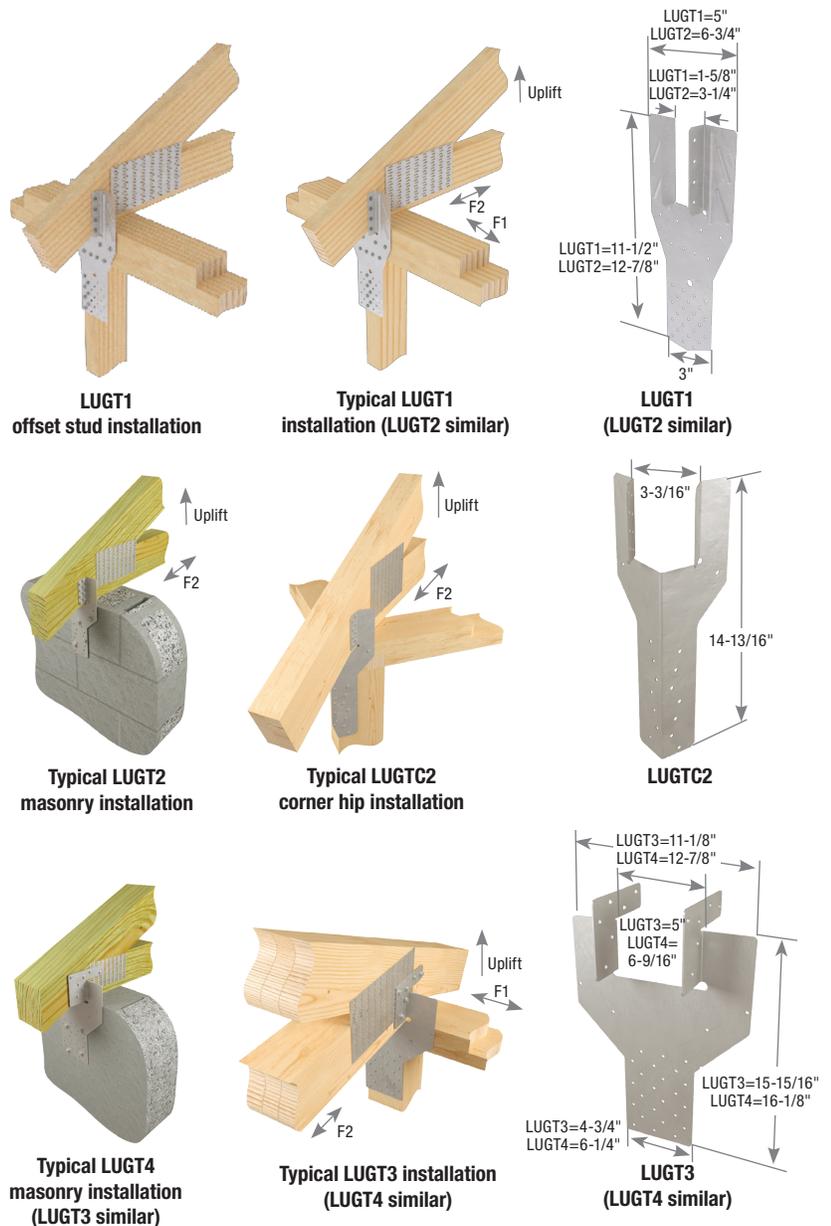
Finish: G90 galvanizing

Features:

- May be installed on the interior or exterior of the wall.
- Convenient for retrofit installations.
- High uplift capacity suitable for most applications.
- Sizes available for 1-ply, 2-ply, 3-ply and 4-ply trusses.

Installation:

- All nail holes must be filled with specified nails to achieve loads listed in the table. Large holes are for alternative concrete/masonry installations and do not need to be filled when used for girder-to-stud applications.
- WS Wood Screws are included with LUGT3 and LUGT4.
- Powers Wedge-Bolt+ Fasteners require the Powers SDS Wedge-Bit drill bit, USP #1314. Wedge-Bits are not included and must be ordered separately.
- **For concrete and masonry applications, a moisture barrier may be required, check local building code.**



No. of Plies	USP Stock No.	Ref. No.	Ga.	Fastener Schedule ^{3,9}					DF Factored Resistance ^{1,2}						S-P-F Factored Resistance ^{1,2}						Ctn Qty
				Rafter/Truss		Plate Qty	Stud ^{7,8}		F1 (115%)		F2 (115%)		Uplift (115%) ⁸		F1 (115%)		F2 (115%)		Uplift (115%) ⁸		
				Qty	Type		Qty	Qty	Type ^{4,5,6}	Lbs	kN	Lbs	kN	Lbs	kN	Lbs	kN	Lbs	kN	Lbs	
1	LUGT1	H10S	18	8	8d x 1-1/2	8	7	8d x 1-1/2	1250	5.56	290	1.29	1435	6.38	1095	4.87	255	1.13	1310	5.83	25
2	LUGT2	LGT2	14	16	10d	2	14	10d	1050	4.67	455	2.02	2340	10.41	905	4.03	390	1.73	2010	8.94	12
	LUGTC2	--	14	16	10d	2	14	10d	--	--	595	2.65	2340	10.41	--	--	510	2.27	2010	8.94	16
3	LUGT3	LGT3-SDS2.5	12	12	WS25	4	24	16d Sinker	3155	14.03	1415	6.29	6025	26.80	2705	12.03	1215	5.40	5945	26.45	8
4	LUGT4	LGT4-SDS3	12	16	WS3	5	32	16d Sinker	--	--	--	--	8340	37.10	--	--	--	--	7150	31.81	6
Concrete or Masonry Application																					
2	LUGT2	LGT2	14	16	10d	--	5	1/4WB	1265	5.63	475	2.11	1915	8.52	1085	4.83	410	1.82	1645	7.32	12
3	LUGT3	LGT3-SDS2.5	12	12	WS25	--	4	3/8WB	--	--	--	--	5330	23.71	--	--	--	--	5260	23.40	8
4	LUGT4	LGT4-SDS3	12	16	WS3	--	4	3/8WB	--	--	--	--	6185	27.51	--	--	--	--	5300	23.58	6

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) Additional anchorage products to be designed by others.
 4) 1/4WB denotes a 1/4" x 3" Powers "Wedge Bolt" or equivalent installed in a predrilled hole. Refer to manufacturer's literature for further information.
 5) 3/8WB denotes a 3/8" x 5" Powers "Wedge Bolt" or equivalent installed in a predrilled hole. Refer to manufacturer's literature for further information.
 6) For concrete and masonry applications, Wedge Bolts must be installed in fully grouted and reinforced concrete masonry (f'm = 1,500 psi) or reinforced concrete (f'c = 2,500 psi).
 7) For proper installation, the number of studs must be equal-to or greater-than the number of roof truss plies.
 8) The LUGT1 can be installed with the stud offset from the rafter a maximum of 1" (center-to-center) with no reduction in uplift capacity.
 9) 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) & WS3 Wood Screws are 1/4" dia. x 3" long (supplied with LUGT4). Wedge Bolts are not supplied with the LUGT2, LUGT3 or LUGT4.