

Girder Tiedowns

LUGT series

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.

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.

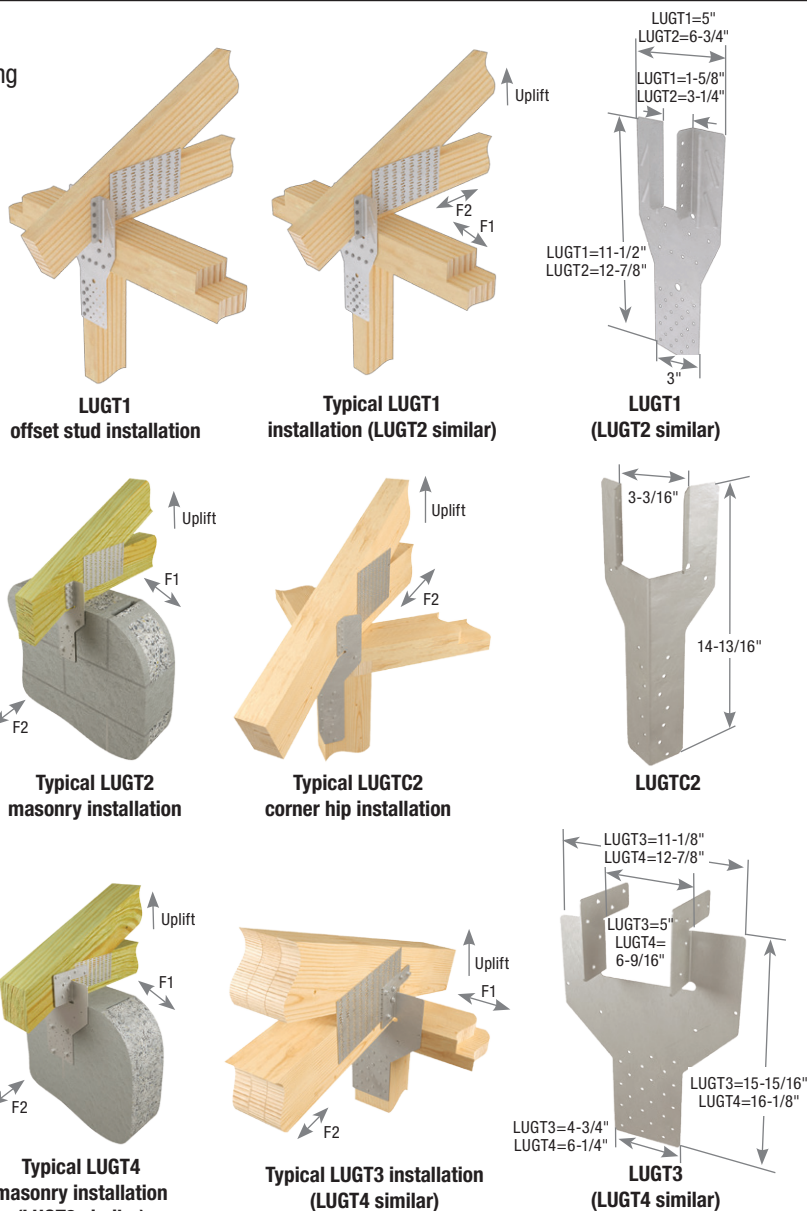
Materials: See chart

Finish: G90 galvanizing

Codes: ESR-3447, FL17240, COLA RR 25972 – LUGT2 / LUGTC2

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 ²							DF/SP			S-P-F			Ctn Qty
				Rafter/Truss		Plate Qty	Stud ⁵ Qty	Type ⁷	CMU/Concrete Wall ⁴		Allowable Loads (Lbs.) ¹			Allowable Loads (Lbs.) ¹			
				Qty	Type ⁷				Qty	Screw Anchor ³	Uplift ⁶ 160%	F1 160%	F2 160%	Uplift ⁶ 160%	F1 160%	F2 160%	
1	LUGT1	H10S	18	8	8d x 1-1/2	8	7	8d x 1-1/2	--	--	1045	675	175	875	565	175	25
2	LUGT2	LGT2	14	16	10d	2	14	10d	--	--	2260	1015	505	1900	850	425	12
	LUGTC2	--	14	16	10d	2	14	10d	--	--	2260	--	575	1900	--	480	16
3	LUGT3	LGT3-SDS2.5	12	12	WS25	4	24	16d Sinker	--	--	3855	1980	890	3240	1660	745	8
4	LUGT4	LGT4-SDS3	12	16	WS3	5	32	16d Sinker	--	--	4640	--	--	3900	--	--	6
Concrete or Masonry Application																	
2	LUGT2	LGT2	14	16	10d	--	--	--	5	1/4" x 3"	1550	1505	475	1550	1265	400	12
3	LUGT3	LGT3-SDS2.5	12	12	WS25	--	--	--	4	3/8" x 5"	3525	--	--	3240	--	--	8
4	LUGT4	LGT4-SDS3	12	16	WS3	--	--	--	4	3/8" x 5"	3525	--	--	3525	--	--	6

1) Allowable loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) Additional anchorage products to be designed by others.

3) 1/4" x 3" or 3/8" x 5" screw anchor denotes Powers Wedge-Bolt+ or DeWalt Screw-Bolt+; or equal, installed in accordance with manufacturer's specification. Screw Anchors must be ordered separately.

4) For concrete and masonry applications, screw anchors must be installed in fully grouted and reinforced concrete masonry (f'm = 1,500 psi) or reinforced concrete (f'c = 2,500 psi).

5) For proper installation, the number of studs must be equal to or greater than the number of roof truss plies.

6) The LUGT1 can be installed with the stud offset from the rafter a maximum of 1-inch (center-to-center) for a reduced allowable uplift load of 1,000 lbs (DF/SP) and 840 lbs (S-P-F).

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), WS3 Wood Screws are 1/4" dia. x 3" long (supplied with LUGT4).