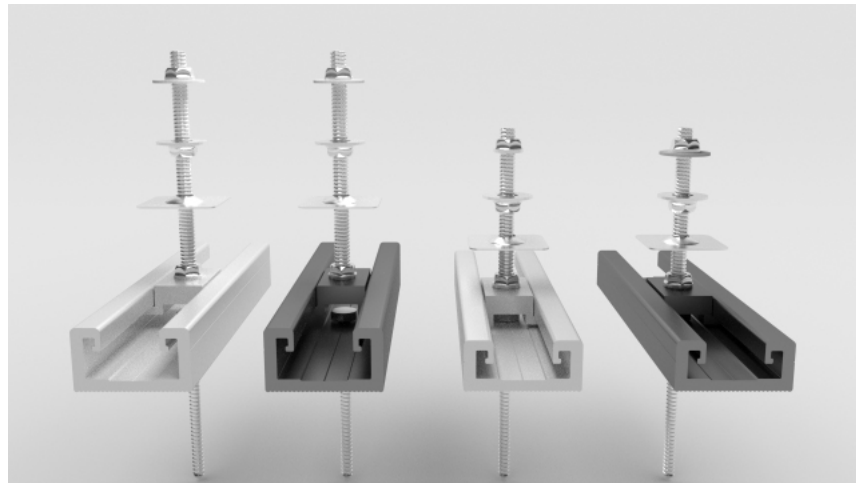


SWH Solar Mount Tile Strut

MFG-PN: MR-SW-TT-6B, MR-SW-TT-6S, MR-SW-TT-4S, MR-SW-TT-4SB



SW-TT-6 6" ROD SW-TT-6B 6" ROD SW-TT-4S 4" ROD SW-TT-4SB 4" ROD

Base and Channel Nut Materials:

- 6005-T5 extruded aluminum alloy
- Clear or black anodized

Fasteners and Flashing Materials:

- 304 stainless steel
- Tigten threaded rod onto channel nut to 14 ft-lbs torque

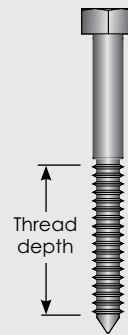
***Product not recommended for clay or slate tiles.**
**** 5/16" x 3.5" Stainless Steel lag bolt included.**

CONFORMS TO UL SUB 2703



Lag pull-out (withdrawal) capacities (lbs) in typical roof lumber (ASD)

	Specific gravity	⁵ / ₁₆ " lag screw* specifications per inch thread depth
Douglas Fir, Larch	0.50	266
Douglas Fir, South	.46	235
Engelmann Spruce, Lodgepole Pine ¹	.46	235
Hem, Fir, Redwood (close grain)	.43	212
Hem, Fir (North)	.46	235
Southern Pine	.55	307
Spruce, Pine, Fir	.42	205
Spruce, Pine, Fir ²	.50	266



Sources: American Wood Council, NDS 2005, Table 11.2a, 11.3.2A.

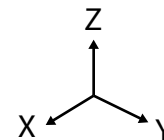
Notes:

- (1) Thread must be embedded in the side grain of a rafter or other structural member integral with building structure.
- (2) Lag bolts must be located in the middle third of the structural member.
- (3) These values are not valid for wet service.
- (4) This table does not include shear capacities. If necessary, contact a local engineer to specify lag bolt size with regard to shear forces.
- (5) Install lag bolts with head and washer flush to surface (no gap). Do not over-torque.
- (6) Withdrawal design values for lag screw connections shall be multiplied by applicable adjustment factors if necessary. See Table 10.3.1 in the American Wood Council NDS for Wood Construction.

***Use flat washers with lag screws.**

Axial Load Capacity

Note: Loads are given for tile strut only. Check load limits for lag screw or other attachment methods.



Part	Average Ultimate Load lbs (N) X±	Average Ultimate Load lbs (N) Y±	Average Ultimate Load lbs (N) Z±	Base Dimension W x L x H	Assembled Weight
SWTT08 6" rod	154 (685)	137 (609)	7688 (34198)	1.75" x 8" x 1"	0.936 lbs
SWTT08 4" rod	359 (1597)	370 (1646)	8569 (38117)	1.75" x 8" x 1"	0.888 lbs
SWTT08S 6" rod	150 (667)	139 (618)	4215 (18749)	1.75" x 8" x 0.75"	0.870 lbs
SWTT08S 4" rod	313 (1392)	313 (1392)	4279 (19034)	1.75" x 8" x 0.75"	0.822 lbs

***Independent Laboratory Tested**