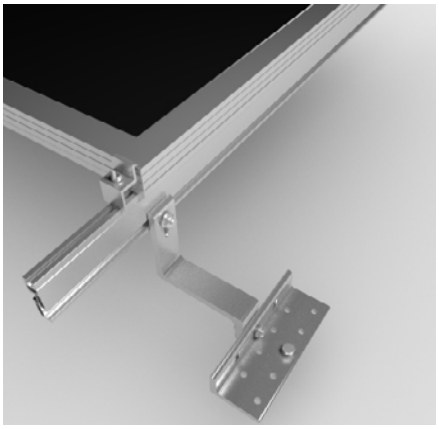
SWH Solar Mount Roof Hook

MFG-PN: MR-SW-RH-5.8LP, MR-SW-RH-5.8LPB



- **Roof hook material:** 6005-T5 extruded aluminum alloy
- **Finish:** Clear or black anodized
- **Bolt & nut material:** 304 stainless steel
- **Roof hook weight:** 0.674 lbs
- Attach Roof Hook Part A to Part B with one 5/16" x 1" carriage bolt and one 5/16" ASTM F594 serrated flange nut.

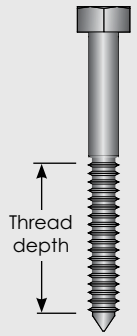
CONFORMS TO UL SUB 2703

ETL CLASSIFIED

Intertek
4009330

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*



[1]MSR 1650 f & higher

[2]E of 2 million psi and higher grades of MSR and MEL

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 specifiy 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.