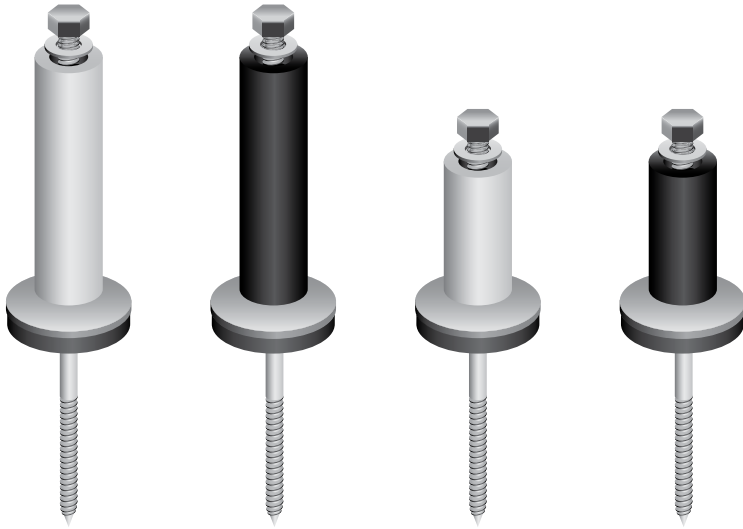


SWH Solar Mount Standoff Kit

MFG-PN: MR-SW-HP-35S, MR-SW-HP-35SB, MR-SW-HP-5S, MR-SW-HP-5SB



MR-SW-HP-5S MR-SW-HP-5SB MR-SW-HP-35S MR-SW-HP-35SB

3.5" & 5" Standoff Materials:

- 6061-T6 extruded aluminum alloy
- Mill finish or coated black

Hardware Materials:

- 304 stainless steel
- Tighten 3/8" hex nut to L-bracket to 14 ft-lbs torque

Kit Includes:

- 3.5" or 5" x 1" OD solid coated aluminum standoff
- 5/16" x 5" SS hanger bolt
- 3/8" x 1" SS hex bolt
- 3/8" SS flat washer
- 1.5" x 5/16" x 1/8" SS heavy flat washer
- 1.5" x 5/16" x 1/8" rubber gasket

**Illustration not to scale*

CONFORMS TO UL SUB 2703

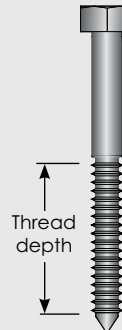


Lag pull-out (withdrawal) capacities (lbs) in typical roof lumber (ASD)

	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

¹MSR 1650 f & higher

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



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

Notes:

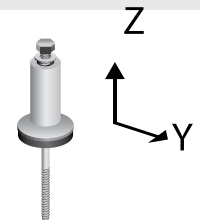
- (1) Thread must be embedded in the side grain of a rafter or other structural member integral with building structure.
- (2) Lag bolts must be located in the middle third of the structural member.
- (3) These values are not valid for wet service.
- (4) This table does not include shear capacities. If necessary, contact a local engineer to 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 standoff only. Check load limits for lag screw or other attachment methods

Part	Average Ultimate Load (lbs) Y±	Average Ultimate Load (lbs) Z±	Standoff Dimension OD x H	Assembled Weight
MR-SW-HP-35S	893	8601	1" x 3.5"	0.444 lbs
MR-SW-HP-5S	928	9007	1" x 5"	0.562 lbs



**Independent Laboratory Tested*