

SWH QFoot Shingle Mount Kit

Part No.MR-SW-CL-35M, MR-SW-CL-35B

- QFoot mount material: ADC-12 aluminum alloy
- Bolt & nut material: 304 stainless steel
- QFoot weight: .432 lbs (not including hardware)
- Attach 5/16" x 4" lag bolt through raised QFoot.
- Use stud finder tool and drill a pilot hole, Use sealant below QFoot before anchoring down with lag bolt.





Table 11: Lag- pull-out (withdrawal) capacities (lbs) in typical roof lumber (ASD)

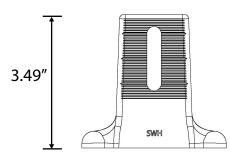
Courtesy, American Wood Council, Leesburg, VA.

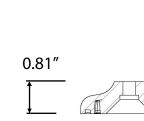
Tabulated withdrawal design values (W) are in pounds per inch of thread penetration into side grain of wood member. Length of thread penetration in main member shall not include the length of the tapered tip (see 12.2.1.1).											
Specific Gravity, G ²	Lag Screw Diameter, D										
	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4
0.73	397	469	538	604	668	789	905	1016	1123	1226	1327
0.71	381	450	516	579	640	757	868	974	1077	1176	1273
0.68	357	422	484	543	600	709	813	913	1009	1103	1193
0.67	349	413	473	531	587	694	796	893	987	1078	1167
0.58	281	332	381	428	473	559	641	719	795	869	940
0.55	260	307	352	395	437	516	592	664	734	802	868
0.51	232	274	314	353	390	461	528	593	656	716	775
0.50	225	266	305	342	378	447	513	576	636	695	752
0.49	218	258	296	332	367	434	498	559	617	674	730
0.47	205	242	278	312	345	408	467	525	580	634	686
0.46	199	235	269	302	334	395	453	508	562	613	664
0.44	186	220	252	283	312	369	423	475	525	574	621
0.43	179	212	243	273	302	357	409	459	508	554	600
0.42	173	205	235	264	291	344	395	443	490	535	579
0.41	167	198	226	254	281	332	381	428	473	516	559
0.40	161	190	218	245	271	320	367	412	455	497	538
0.39	155	183	210	236	261	308	353	397	438	479	518
0.38	149	176	202	227	251	296	340	381	422	461	498
0.37	143	169	194	218	241	285	326	367	405	443	479
0.36	137	163	186	209	231	273	313	352	389	425	460
0.35	132	156	179	200	222	262	300	337	373	407	441
0.31	110	130	149	167	185	218	250	281	311	339	367

Sources: American Wood Council, NDS 2018, Table 12.2A and 12.3.3A.

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Tabulated withdrawal design values, W, for lag screw connections shall be multi
Specific gravity, G, shall be determined in accordance with Table 12.3.3A.

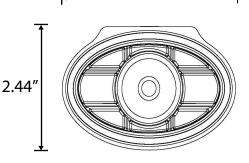


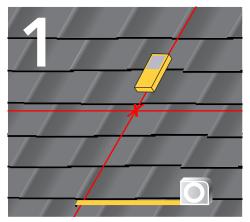


te Table 4C, Feotnote 2).

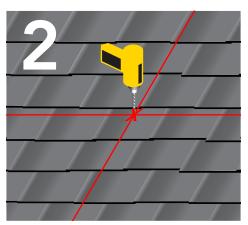
AWC. Table 12.3.3A Assigned Specific Gr



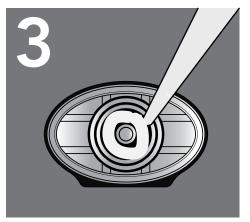




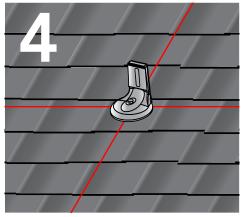
STEP 1: Locate the rafters and snap horizontal and vertical lines to mark installation position.



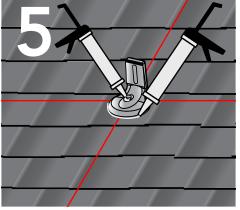
STEP 2: Drill a pilot hole (1/4" diameter) for the lag bolt. Backfill with sealant.



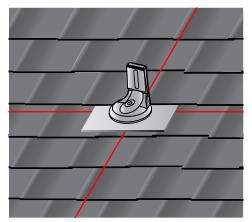
STEP 3: Insert the round gasket into the Qfoot and fill the cone cavity at the bottom of the Qfoot and the pilot hole with caulking.



STEP 4: Insert seal washer onto lag bolt and secure the Qfoot onto the roof into the pilot hole with the lag bolt.



STEP 5: Caulk perimeter of the base and the lag bolt seal.



OPTIONAL STEP: The Qfoot can also be used with flashing.