



FLAT-TILE ROOF HOOK

The Dual Rack Flat-Tile Roof Hook provides an easy solar mounting solution for flat tile roofs. Made from stainless steel, it can be used on all of your residential flat tile roof solar installations. Flat-Tile Roof Hooks are popular with installers because they offer the fastest and least expensive way to mount rooftop PV arrays on tile roofs.

Component List

Material	QTY
Flat Tile Roof Hook	01
3/8" x 1" DR T-Bolt	01
3/8" Flange Nut	01
3/16" x 3.5" Lag Bolt	02
3/8" Flat Washer	01
3/8" Sealing Washer	02

Ordering Specifics

	Big Box
Standard Package	40 pcs
Dimensions	11.2" x 7.11" x 1.33"
Weight	0.881 lbs

Rail Span (ft¹)

EXP	Wind Speed (Mph)	Zone 1					
		Snow Load (psf)					
		0.0	10.0	20.0	30.0	40.0	50.0
B	110	8.0	7.0	6.0	5.0	4.5	4.0
	120	8.0	7.0	6.0	5.0	4.5	4.0
	130	8.0	7.0	6.0	5.0	4.5	4.0
	140	8.0	7.0	6.0	5.0	4.5	4.0
	150	7.5	7.0	6.0	5.0	4.5	4.0
	160	7.0	7.0	6.0	5.0	4.5	4.0
	170	7.0	7.0	6.0	5.0	4.5	4.0
	180	6.5	6.5	5.5	5.0	4.5	4.0
C	110	8.0	7.0	6.0	5.0	4.5	4.0
	120	8.0	7.0	6.0	5.0	4.5	4.0
	130	7.5	7.0	6.0	5.0	4.5	4.0
	140	7.0	7.0	6.0	5.0	4.5	4.0
	150	6.5	6.5	5.5	5.0	4.5	4.0
	160	6.0	6.0	5.5	5.0	4.5	4.0
	170	5.5	5.5	5.5	5.0	4.5	4.0
	180	5.5	5.5	5.5	5.0	4.5	4.0

¹Rail spans assume 24" rafter spacing and are shown to the farthest acceptable rafter; parameters; gable roof 15' high, slope ≤ 25°, 850' AMSL, Occupancy Category II (importance factor = 1.0), Terrain category B & C, partially exposed, center zone installation. "NS = Not suitable"

²Tile roof hook secured with two supplied 5/16 lag screws.

*See Zone 2 & 3 span table calculation in Installation Manual/P.E. certification.

ADVANTAGES

Clean looking installs and fewer broken tiles - Cost-effective and faster installation time - No need to drill holes in tiles and no visible flashing - Makes it easy to hit rafters and line up the valley of the tile - 100% IBC compliant - Made from stainless steel - Conforms to UL STD 2703 and Class A & B Fire Rated.

Product Line

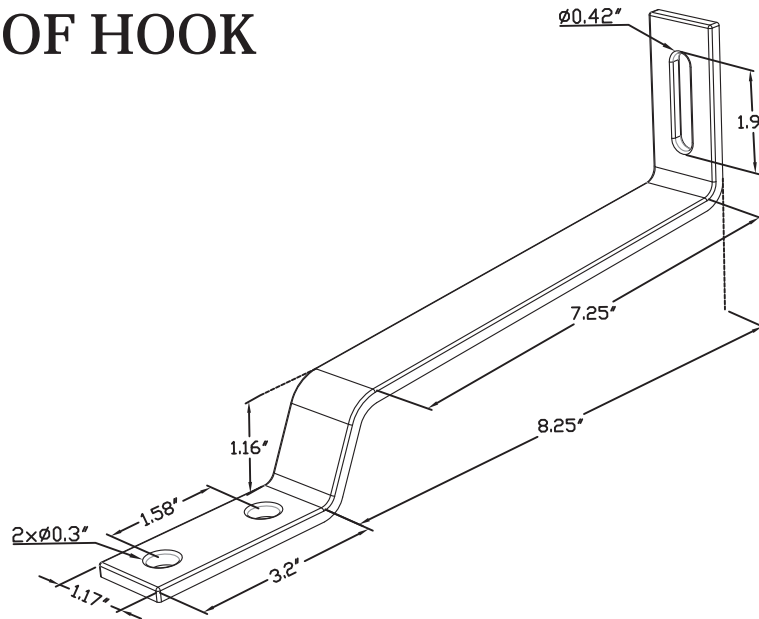
Item #	Product Name
DR-FTRH-01	Flat Tile Roof Hook



DR-FTRH-01_Flat Tile Roof Hook

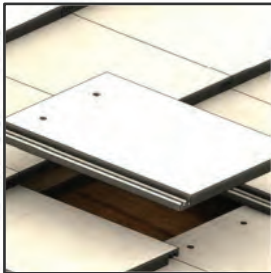


FLAT-TILE ROOF HOOK



Installation Guide

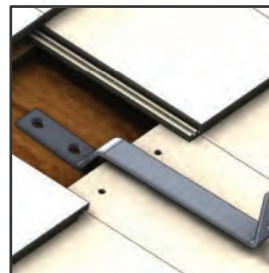
For detailed instructions please refer to the Dual Rack installation guide



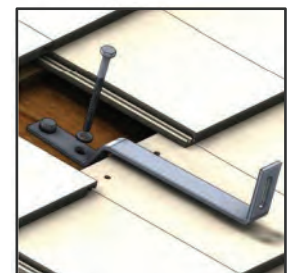
1. Remove the roof tile at the marked position or, if possible simply push it up.



2. Insert the two (3/16" or 5/16") bolts through EPDM washers and the flat tile hook and apply fresh compatible sealant to the base.



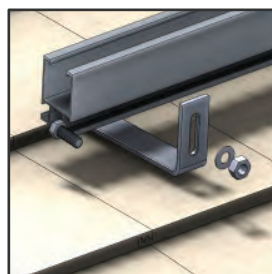
3. Position the tile hook above the tile.



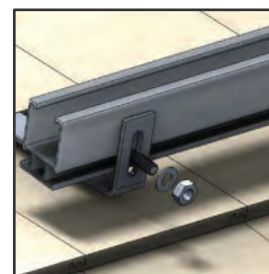
4. Attach the tile hook to the rafter using the two 3/16" or 5/16" lag bolts, embedded min. 2.5". Tighten carefully.



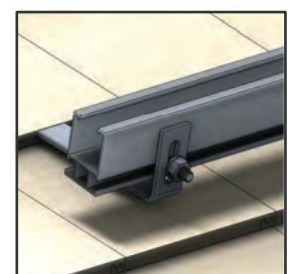
5. Slide the flat tile back into position.



6. Slide the 3/8" bolt through the rail groove.



7. Attach the rail to the tile using 3/8" bolts, washer & nut. (Recommended: place star washer between the rail & flat tile hook).



8. Secure the 3/8" bolt with the nut. (Tightening torque 14 ft-lbs).

Contact Info



Dual Rack Inc.
2290 Agate ct. Unit A-B, Simi Valley, CA, 93065
www.DualRack.net
Email: info@DualRack.net
Phone: +1 (805) 254 - 2250