

RECOMMENDED WASHERS & FASTENERS:

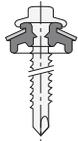
See the detailed SunSky Installation Guide for complete information about panel fastening requirements.

Metal & Wood structures:

Part #	Length	Structure Type
661768	1-1/2"	Wood
661386	2-1/2"	Wood
661927	1-1/2"	Metal
661384	2-1/2"	Metal

Washer: Palram metal washer with EPDM gasket (see figures 15a and 15b)

Palram Metal Washers w/Concave EPDM Gasket

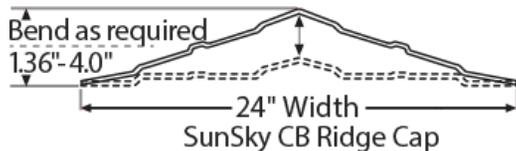


#12 x 2-1/2" (19 mm)
Washer/gasket
Figure 15a

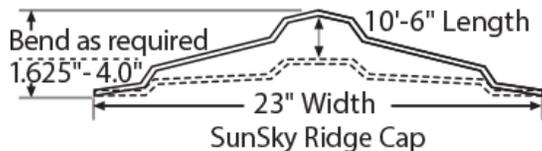


#12 x 1-1/2" (19 mm)
Washer/gasket
Figure 15b

CANNONBALL RIDGE CAP SUPPORT BRACKETS ARE DESIGNED TO WORK WITH:



Part #	Length / Thickness	Color
660502	10' 6" 1.2mm	Opal
662398	10' 6" 1.2mm	Soft White



Part #	Length / Thickness	Color
660729	10' 6" 1mm	Clear
660730	10' 6" 1mm	Soft White



CannonBall Ridge Cap Support Bracket Installation Instructions

For Structural Use in Palram SunSky Polycarbonate Ridge Cap Installations



Authorized Palram
Americas Dealer



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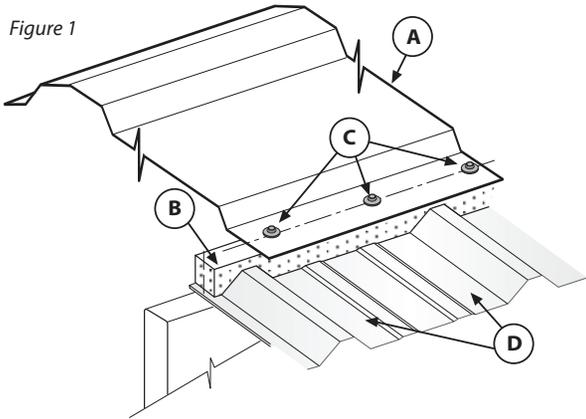
F509-CB Rev. 9.26.16 DD

IMPORTANT!

This installation overview is for SunSky Polycarbonate Ridge Caps only. For complete installation details for SunSky panels, see Form #505, titled SunSky Installation Guide, available at www.PalramAmericas.com, or by contacting Palram Americas by phone at (800) 999-9459.

The following installation points are required in order to ensure proper installation of the SunSky Ridge Cap:

Figure 1



1. SunSky ridge caps (A) should be installed on XPE (foamed polyethylene) shaped top end-closures (B) as shown. Foam closures should be set no less than 1/2" from the top of the panel.
2. CannonBall Ridge Cap Support Bracket ends must be positioned vertically between the foam closure material and actual ridge cap sheet, spaced at intervals based on the ridge cap variety:
 - 1.2 mm ridge cap = 60" or less on center
 - 1.0 mm ridge cap = 30" or less on center
3. When installing the ridge cap prepped with foam closures and support brackets onto a roof peak, fasteners (C) should be installed at the valley of the panel's (D) corrugation pattern, for each corrugation interval. With the only exception being the major rib that a CannonBall support bracket is used on. This should be done on both sides of the ridge cap.
4. Fasteners should be installed at least one inch from the edge of the ridge cap. Installing a fastener too close to the edge may cause the material to eventually tear.
5. ALL fastener sites in the ridge cap must be pre-drilled to a diameter at least 1/16" larger than the fastener diameter to account for thermal movement. This includes the fastener locations where the ridge cap is secured to the CannonBall Ridge Cap Support Bracket.

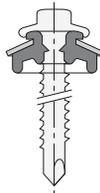
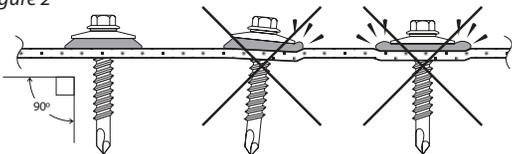
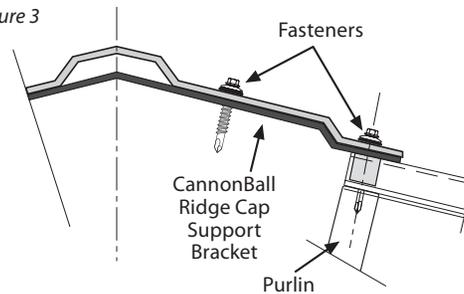


Figure 2



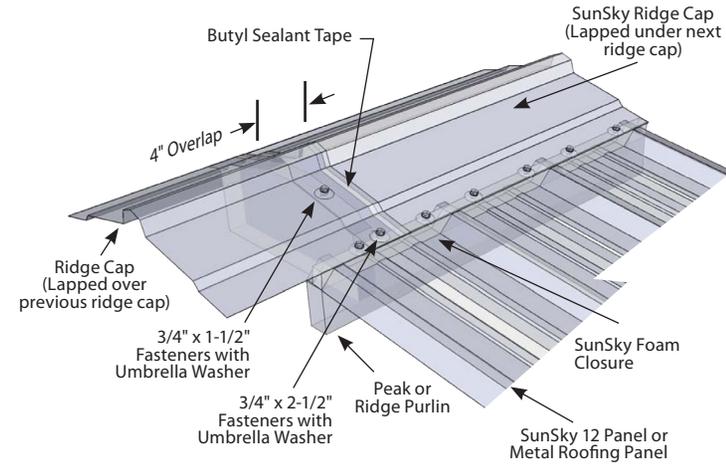
6. Only Palram recommended fasteners may be used to install SunSky ridge caps. Palram recommends fasteners using an EPDM or neoprene washer at least 3/4" (19mm) in diameter. Fasteners should be installed so that the washer is pressed snugly against the ridge cap, but not to the point where the washer is deformed (see Figure 2). Over-tightening the fastener will prevent the ridge cap from properly expanding and contracting with temperature changes.
7. Be sure to work in one direction. Do not begin fastening at both ends and working towards the center.
8. Fasteners should be installed so that they are securely fastened to the underlying structure as shown in Figure 3. The ridge cap should be directly connected to the purlin or horizontal support member.
9. CannonBall Ridge Cap Support Brackets should be fastened directly to the structure of the building as follows:
 - a. Rest the bracket ends over the top of the major sheeting rib to ensure proper seating.
 - b. Fasten the bracket through the rib and into the structure of the building (see Figure 3) using 2-1/2" length screws -- 661386 for wood structure or 661384 for metal structure.
 - c. Fasteners should only use the appropriate sized hole of the CannonBall support bracket when possible (see Figure 6). Using the incorrect sized hole may cause difficulty when attaching fasteners.
10. Ridge cap sections should overlap by at least 4 inches (Figure 4). It is recommended that this overlap be sealed with 1/2" Butyl tape. All ridge cap overlaps require a ridge cap support bracket for through fastening (Figure 5).

Figure 3



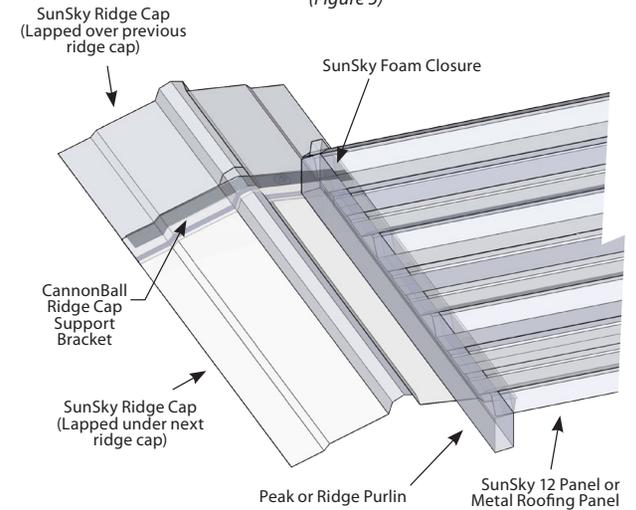
SunSky Ridge Cap Overlap Illustration

(Figure 4)



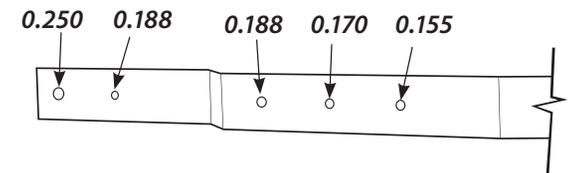
CannonBall Ridge Cap Support Bracket Illustration

(Figure 5)



CannonBall Ridge Cap Support Bracket Hole Sizing

- Sizing is in inches
(Figure 6)



Refer to Palram Americas or its distributor for other approved sealing or bonding materials should they be required. Unapproved sealing or bonding material may be incompatible, damage the panels, cause failure and void warranty.