



REPLACEMENT DOME CONFIGURATIONS

GRADUAL RISE / QUICK RISE / PYRAMID:: One of the most important factors about replacement domes is whether a dome is quick rise or gradual rise. The dome type is easier to see in the corners of the dome just inside the flange. Pyramid domes are pretty easy to recognize, but they may ALSO be either quick rise or gradual rise. Even when purchasing both inner and outer domes—this factor is very important to the domes fitting on the existing frame.



Gradual Rise Dome
Slopes up to the top of the dome



Quick Rise Dome
Rise ≈1" at ≈90° before sloping up to top



Pyramid Dome
May be gradual or quick rise AND pyramid

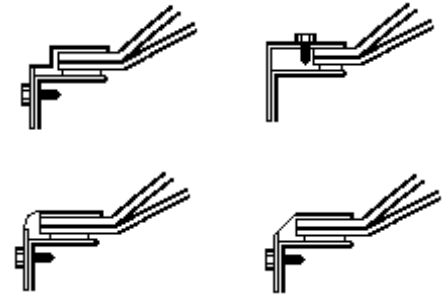
THE RETAINING RAIL IS THE "BRACKET" THAT HOLD THE DOMES TO THE FRAME

MEASURING::



← If the rail is a 90° angle, with the screws in the side and is not more than 1 3/4" wide across the top—it is good to get the rail measurement. If the dome does not match all three of these features—please get the actual dome measurement from flange to →

Notice where the domes start inside the rails. This is why the actual dome measurement is required when the rail does not match all three factors listed on the left.



Take pictures and we can look at them with you



MISSING RAIL:: The actual dome measurement can be used when the rail is missing, but if you would like us to manufacture a new rail—we would need to know how big to make the inside of the rail so it fits over the frame. (The inside of the rail cannot be the same measurement as the outside of the frame or else it will be too tight.)

ACCURACY:: We rely heavily on being given the correct information. When given incorrect information—we cannot always give refunds or exchanges.

COMBINATIONS:: 2447 white over clear (W/C) and 2412 bronze over clear (B/C) are the most common dome color combinations. Acrylic is available in a wide variety of colors, but sometimes we are limited by size and availability. Clear over clear (C/C) is not recommended (especially on residential applications) because this combination will allow all the heat and UV through. White over clear is the only combination that blocks UV unless you request white over UV clear, bronze over UV clear or other combination which includes UV clear.

A THIRD DOME may be added for increased insulation.

DOMES COLOR:: 2447 White over Clear (W/C) ▶ Maximum light, least heat, blocks UV, opaque
2412 Bronze over Clear (B/C) ▶ Translucent, more heat, direct ray of sunlight
2447 White over 2412 Bronze (W/B) ▶ White blocks UV, bronze "warms" the light

OXIDATION:: Very slowly over time, plastic oxidizes and clouds up. It happens so slow that the change is often not noticed. When domes are changed (especially bronze or gray) there is going to be a significant increase in the amount of light coming through them. Older plastic color cannot be matched. If skylights are side by side—this will become very apparent if you change out one without changing out the other.

STANDARD DUTY / COMMERCIAL DUTY:: Standard duty domes are normally 1/8" thick. Certain sizes are recommended commercial duty / high impact and some are mandatory commercial duty / high impact. Commercial duty domes are normally 3/16" thick, but may be thicker on larger sizes.

INSTALLATION:: Please refer to our replacement dome recommendations sheet

MORE INFORMATION:: Please refer to our full specifications

Don't hesitate to call or e-mail us if you have any questions.

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