

PRODUCT TIPS

1. Special consideration should be given when designing an awning window. Please consult Tech Note #2 for further information.
2. Failure of the concealed awning hinge can occur under certain situations when opened to near 90°. For this reason, an operator and/or limit device must be used with the concealed awning hinge to prevent the window from being opened to 90°.
3. When an awning window is “under hinged” (i.e., when a hinge is used on a window larger than what it is recommended for), two areas of concern are created. First, chatter is likely to occur when operated with an awning operator. Second, depending on the degree of under hinging, the hinge may fail at an amount of opening significantly less than 90°. For this reason, the amount of opening must be limited to 45° of opening, any #13 series Awning Hinge may be used on sash up to 42 inches high and 61 lbs.
4. Adding a snubber to the center of the top rail on an awning window may increase the negative air pressure rating of the window. See Snubber section for proper application.
5. For vinyl window applications, mounting screws should pass through two PVC walls or one PVC wall and one insert wall. For this reason, it may be necessary to use a longer screw than is recommended.
6. To ensure maximum screw thread engagement in vinyl profiles, a #7 screw with an undercut head should be used for mounting the Track.
7. For accurate hardware placement in vinyl or metal applications, pre-drilling is recommended.
8. For metal window profiles we recommend machine screws however, in most applications sheet metal screws will provide adequate holding power.
9. When selecting mounting screws for our hardware, coating compatibility is one of the most important criteria. For best corrosion resistance the coating on the screws should be the same as the coating on the hardware. For more information, see Tech Note #11.