

PRODUCT TIPS

1. AmesburyTruth recommends that when designing a casement window, the sash width should be limited to no greater than 66% of the sash height. A sash width that exceeds 66% could develop sash sag over the life of the window. Refer to Tech. Note #3 for more information dealing with sash sag prevention.
2. When selecting mounting screws for AmesburyTruth 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.
3. The washability hinge with snap stud attachment was designed to be used on a casement window only. Under no circumstances should a casement hinge with a snap stud attachment be used on an awning window.
4. Screw heads will be raised above the track when installed. AmesburyTruth's slide shoe is bridged (.080" high) to clear screw heads.
5. For accurate hardware placement, pre-drilling of the screw holes in the window profile is recommended.
6. 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.
7. For metal window profiles we recommend machine screws however, in most applications sheet metal screws will provide adequate holding power.
8. A standard 7/16" wrench can be used to adjust a hinge equipped with the adjustable stud, however this will require detaching the support arms from the track. To adjust this hinge without detaching the support arms it is necessary to use AmesburyTruth's Maxim Hinge Adjustment Wrench #31887.
9. On some window designs, binding can be experienced on the hinge side of the window between the outermost edge of the sash and the jamb. This problem often occurs when switching from a standard hinge to an "Egress" hinge. If a window system is designed to work with an "Egress" hinge, the window system will work with all other AmesburyTruth Concealed Casement Hinges. When binding is encountered, three solutions are available: a) move hinge location toward outside of sash b)

increase the clearance between the sash and jamb, and c) adding a radius to outside corner of the sash.

10. We recommend that Snubbers be used at the center of the hinge side of any casement window that tends to bow outwardly at the center in the closed position. Adding Snubbers may increase the negative air pressure rating of a casement window.

11. For easy correction of out of square, or racked window installations, the use of Amesbury Truth Jamb Jack III frame adjuster is recommended. Frame adjustment can improve both weather seal tightness and sash operation over the life of the window.

ARCHITECT SPECS

Low friction casement hinge for use on residential or commercial windows, which will be concealed between sash and frame for low maintenance and clean exterior aesthetics. The hinge must provide a washable space between sash and side jamb when open 90°. OR The hinge must provide egress access when opened 90°. Casement window hinges will be of slide and pivot design, which uses a low friction slide shoe and stainless-steel track. The slide shoe must be constructed with a high bridge bottom for screw head clearance and a stainless-steel insert for strength. The hinge shall provide a snap-stud means of disconnection to allow easy sash removal. Sash arms are to be constructed of E-Gard® components to provide enhanced corrosion protection. The hinges shall provide a means of adjustment for sash drag. This adjustment must be accomplished without loosening or removing the mounting screws. Casement window hinges shall be 14 series Maxim® Hinge.