



All Metal Stamping hinge application recommendations.

12-8-14

Many factors influence the maximum size & weight window that can be safely manufactured. Sash and frame rigidity & strength, fastener holding capability, window tolerances, sash sag and weather tightness are just some of the factors that can affect overall window performance.

All Metal Stamping recommends careful evaluation of the entire window system before producing the largest window listed below. Thorough structural & application testing must be conducted to determine the appropriate hardware to be used on any specific application.

The following casement hinges have passed the AAMA101 Hardware Load Test Performance Class R at 5lb/sq.ft. for the window size, operator & sash weight indicated. Results may vary when other styles of operator are used.

Hinge	Window W x H	Operator	Sash weight
3062D Steel 10"	30x72"	Split arm	68lb.
8164 Composite 10"	30x72"	Split arm	68lb.
4014DC Steel 14"	40x84"	Dual arm	108lb.
8250 Composite 14"	40x84"	Dual arm	108lb.

All Metal Stamping has successfully cycle tested a 36"x72" window, weighing 167lb, for 6000 cycles using both the 14" steel and 14" composite casement hinge with minimal wear on hinge components.

All Metal Stamping awning hinges can easily carry the weight of most awning sashes. We recommend a maximum sash height for each hinge, in order to help insure that the sash opens & closes smoothly. This smooth motion can be further controlled, using the adjustable slide friction feature, on all of our awning hinges.

Hinge	Max sash height.
10" Steel	15"
14" Steel	20"
18" Steel	27"
22" Steel	34"

The choice of operator can influence the performance of the entire window system. All Metal Stamping suggests that our customers review the operator manufacturer's recommendations, when choosing hardware for a specific application.