



## HINGE SIZING RECOMMENDATIONS

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.

### **CAREFUL EVALUATION OF THE ENTIRE WINDOW SYSTEM IS A VITAL FIRST STEP**

Before producing the largest window listed below, thorough structural & application testing must be conducted to determine the appropriate hardware used on any specific application.

All Metal Stamping's Casement hinges below have passed AAMA 101 Hardware Load Test Performance Class R at 5lb/sq.ft. for the window size, operator, & sash weight indicated.\*

Hinge	Window W x H	Operator	Sash Weight
3062D Steel 10"	30 x 72"	Split arm	68 lb.
8164 Composite 10"	30 x 72"	Split arm	68 lb.
4014DC Steel 14"	40 x 84"	Dual arm	108 lb.
8250 Composite 14"	40 x 84"	Dual arm	108 lb.

\*Results may vary when other styles of operator are used.

Similar to the AAMA 101 load test performance outcomes of our 14" hinges are those of our Glide Series hinges. The Easy Glide hinge, 4814DCEG, also passes the AAMA 904 cycle test of 8,000 cycles with 150 lb, 80 x 42" sash. Our Secure Glide hinge, 4814DCSG, passes the same cycle test of 8,000 with 180lb, 80 x 42" sash.

### **AWNING HINGES**

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

Hinge	Max Sash Height
10" Steel	15"
14" Steel	20"
18" Steel	27"
22" Steel	34"

