

HOPPER

Hardware

Operator

Zinc chromate shoot bolt connected to lever handle controls. For tall, narrow units, shoot bolt is rebated into sash stiles (one each stile); short, wide units have shoot bolt rebated into top rail. Turning the lever handle engages the shoot bolts into strike plates at the head or jambs depending on configuration.

Egress: Properly-sized units meet egress requirements using standard hardware configuration.

Lever Handle

Operating hardware accepts any lever handle with 43mm attachment spacing and 7mm square spindle. A wide variety of styles and finishes is available from various manufacturers.

Optional Hardware

Custodial locks, sash restrictors, removable handles, remote pole operation.

Insect Screens

1" x 1/4" tubular extruded frames in anodized bronze, mill finish aluminum or custom color painted aluminum. Mesh of 18 x 16 screen cloth held with vinyl spline, available in charcoal finished aluminum, mill finish aluminum, stainless steel or bright brass. Maximum width of screen mesh is 72". Wood-framed screens are available.

Glazing

All glazing is per project specifications. Duratherm can accommodate most configurations and make-ups from 1/8" single glazed to a maximum of 1 3/4" security glass. Refer to the Glass and Glazing Guide in the Introduction section of this binder.

Clear glass opening: Unit height minus 7 3/4", unit width minus 6 3/4".

Weather-Stripping

Double continuous extruded silicone flap gasket set in rebate around the perimeter of the sash. Engaging the lever handle compresses the weather-strip to ensure a tight seal.

Sizing

The minimums and maximums shown are intended as guidelines. For applications that exceed these ranges, please contact the factory for assistance.

General

WIDTH: Minimum: 18"
Maximum: 72"

HEIGHT: Minimum: 18"
Maximum: 96"

To ensure smooth and trouble-free operation over time:

At maximum width of: 72"
limit height to: 36"

At maximum height of: 96"
limit width to: 28"

Egress

Based on:
20" clear width
24" clear height
5.7 sq ft clear opening

Minimum unit width: 25"
Minimum unit height: 72"

To meet egress requirements:

At minimum unit width of: 25"
height must be at least: 72"

At minimum unit height of: 72"
width must be at least: 25"

Frame Depths

Standard frame depth: 6 1/4"

Minimum frame depth*: 5 1/2"

Maximum frame depth: 10"

* Contact factory for frame depths less than 6 1/4".

