

# METRO 230

## REBATE FRAME



### METRO 230 SERIES ALUMINUM AWNING, CASEMENT & SLIDING WINDOWS

#### SPECIFICATIONS

##### METRO 230 SERIES:

Thermally broken aluminum frame, double glazed awning, casements, and sliding windows using factory sealed insulating glass units with 15.8mm airspace (5/8"). Airspace may vary with changes in glass thickness and window configuration.

MANUFACTURER: ARCHITECTURAL WINDOWS AND DOORS INC.

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The aluminum windows covered by these specifications are AWD 230 Series, rebate frame. These windows conform to the CAN/CSA-A440 specifications (Test results available on request).

##### ALUMINUM:

Window Members shall be extruded of Aluminum Alloy in accordance with CAN/CSA-A440.

##### GLASS & GLAZING:

METRO 230 windows shall be double glazed using 15.8mm (5/8") airspace as a nominal standard with double seal ventilators. Windows will accommodate various combinations of glass thickness dependent on architectural and engineering requirements. ( Subject to the constraint of sealed unit overall maximum thickness 22.2mm (7/8")).

All glass to be float except patterned or obscure which shall be rolled glass (Optional tempered and laminated). Glass thickness and quality shall conform to the requirements of the National Building Code for Residential Construction, current edition.

Glass in both fixed lites and ventilators ( except sliding vents, channel glazed in a flexible P.V.C. gasket) shall be laid in place, glazed from the exterior, with glass bedded with glazing tape. Exterior glazing bead to be extruded bead.

All windows shall be shop glazed at AWD Plant, depending on size and weight limitations.

##### MAIN PERIMETER FRAME:

Main frame is a 17.5mm (11/16") rebate flanged frame. Corners shall be mitred, mechanically joined, and sealed with small joint sealant. Mullions shall be of hollow construction (for strength and reinforcing as required), and mechanically joined to the perimeter frame.

Sill frame sections have a full condense channel draining to the exterior through a punched set of drain holes also draining glazing chamber below sealed units.

Head and jambs are supplied with factory drilled or coin punched holes for fastening with spacing as per specification, sills utilize a window anchor clip with quantity to match punching of head.

##### SLIDING WINDOW VENTILATOR:

Corners shall be mitred, mechanically joined, and assembled around sealed unit and gasket. The ventilator shall be weatherstripped utilizing a 360 degree pile finseal closing against the interior face of the window. A positive lock is mounted 4" from the bottom of the ventilator and a plunger night lock is positioned at the top of the ventilator to ensure a positive locking system. Nylon rollers have been tested to 25,000 cycles. Limit stops are optional for restricted opening applications.

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### CASEMENT AND AWNING WINDOW VENTILATOR:

Corners shall be mitred, mechanically joined, and sealed. The ventilator shall be double weatherstripped utilizing a 360 degree black finger seal of santoprene rubber, closing against the exterior face of the window. Ventilators will have one or two cam type handles locking positively against keepers mounted on frame or mullion members. Limit stops are optional for restricted opening applications.

### HARDWARE:

All screws shall be stainless steel with ventilators utilizing stainless steel hinges. Egress hinges will be of similar finish. Hinges are completely concealed when ventilator is in closed position.

### FINISH:

Standard colours are as per AWD colour chart; White or Rideau Brown baked enamel. Optional architectural colours are available at additional cost. See AWD colour chart.

### THERMAL BREAK:

A high density polyurethane poured and debridged thermal break offering thermal resistance and excellent structural qualities.

### INSTALLATION:

Shall be installed in accordance with AWD recommendations.

### OPTIONAL EXTRAS

#### Colours:

Please see Architectural Colour Chart.

#### Screens:

Screens shall be wicket-type for casement and awning, and flat-type for sliding ventilators with baked enamel frames and black fibreglass screen cloth. Screens shall be held in place with clips.

#### Glazing:

Glazing variations – Tempered, Tinted & Reflective Glass, Argon Gas Filled Sealed Units, Performance Coatings, Laminated Glass, Spandrel Glass, Insulated Metal Panels, and combinations thereof.

#### Couplings:

A wide variety of couplings are available ( all thermally broken) to suit many configurations. IE: 180° , 90° , 45° , 45° and 90° inside corner, window couplings. 180° , 90° , 45° and 45° inside door to window couplers are also available.

#### Extruded Flashings:

Head flashing.

#### Flashings and Slabbands:

All brake shape metal is fabricated then painted from 16 ga. aluminum to suit individual projects unless otherwise specified.

#### Insert Vents for Institutional Applications:

- Open out top hung c/w bronze cast hardware

#### Head Deflector:

\* Specifications and drawings subject to change without notice.