



Screen Doors

Free Flow Ventilation Surrounded by Tubular Strength



Cline Series 400SE

Construction Specifications

Heavy-duty screen doors shall be Cline Series 400SE. Doors shall be constructed as a tubular, stile and rail door with the stile and rail tubes having a depth of 1.75-inches (44.45 mm), a width of 4-inches (101.6 mm) and a 0.095-inch (2.41 mm) minimum wall thickness. Top and bottom rails shall be joined to the hinge and lock stiles with 0.375-inch (9.52 mm) plated steel tie rods and mechanically fastened extruded aluminum twist plates. Doors shall have an extruded aluminum mid-rail tube located at Cline's standard lock height consisting of a singular tube having a depth of 1.75-inches (44.45 mm), a height of 5-inches (127 mm) and a 0.125-inch (3.18 mm) minimum wall thickness. The bottom kick-panel shall consist of double stacked extruded aluminum tubes having a depth of 1.75-inches (44.45 mm), a combined height of 10-inches (254 mm) and a 0.125-inch (3.18mm) minimum wall thickness. All exposed fasteners shall be 18-8 stainless steel. All exposed aluminum extrusion shall be of 6063-T5 extruded aluminum alloy. Nominal door sizes shall be provided. Standard clearances: hinge and lock stiles 0.125-inch (3.18 mm); between meeting stiles 0.250-inch (6.35 mm); at top rails 0.125-inch (3.18 mm); and between door bottom and threshold 0.125-inch (3.18 mm).

Screen

Door screens shall be 18 x 16 mesh 0.011-inch (0.28 mm) diameter aluminum insect screening set in a 0.050-inch (1.27 mm) extruded screen frame. Expanded aluminum grill shall be mounted behind lower screen.

Hardware Preparation

Doors shall be prepped per manufacturer's approved shop drawings. Standard preparation shall include 4.5-inch x 4.5-inch (114.3 mm) non-radius template, full mortise hinge prep, single spindle lock prep, mortise lock edge prep only, and flushbolt prep for pairs. Surface applied hardware shall be drilled and tapped in field by installer. Additional hardware preparation to be specified. Concealed hardware and pivot hinges are not recommended or supported by manufacturer.

Finish

Doors shall be anodized in accordance with Aluminum Association AAM12C22A31, Class II, Clear 0.4-mil (0.01 mm) minimum thickness.



Warranty

Cline Aluminum Doors, Inc. warrants the workmanship and material in Cline doors with Cline standard hardware preparation, excluding finishes and hardware, for a period of ten (10) years when installed properly and used under normal conditions. Cline reserves the right to repair or replace doors. Complete warranty available upon request.

