

## MODEL: TOUGH TEK METALS SCREEN GUARDS

### SCOPE

To furnish an Aluminum Frame Screen with stainless steel screen mesh that will fulfill the requirements of Maintenance, Security and Child Safety. Constructed with a profile, that will make it possible to replace existing window screens in a majority of the windows. Optional additions are available such as hinges, spring latch pins, single point latches, framing angles and mounting hardware, can be furnished where required.

### MATERIALS

1. All sections of the screen shall be an Extruded Aluminum solid profile of a 6063-T Alloy.
2. Wire Cloth shall be standard tensile strength stainless steel alloy #304, .018", .023" or .028" diameter. 16ga, 18ga. And 20ga. galvanealed perforated material is also available.
3. Frame profile shall not exceed .25" at track insertion point.
4. Mounting flanges will be constructed of .049 aluminum.

### CONSTRUCTION

1. The frame shall be cut with a mitered corner construction. The screen material will be compressed into the jaw of the frame material and the frame miters will be welded.
2. The screen material is held in place in the pressed area of the screen frame by the design of the aluminum extrusion.
3. Spring latch pins can be installed in the lower hand corners on the screen to engage behind the subframe.
4. Screen may be used as an insert style or mounted separately in a sub frame system, hinged, barrel bolts or other attachments as needed.

### FINISH

1. All exposed areas of stainless wire cloth and frames shall be thoroughly cleaned prior to powder coating when a paint finish is required. A Polyester Powder Coat paint finish shall be electrostatically applied, and baked for a minimum of 15 minutes at 400 degrees F. Powder coat paint finish shall be a minimum of 1.5 mil thickness.