

# **SURVIVOR**

## **POLYCARBONATE DOORS**

### **Architectural Specifications**

Provide **Survivor Polycarbonate Car Wash Doors** as manufactured by **American Garage Door Supply Inc.** 1225 Industrial Park Dr., Bemidji, MN. 56601. (1-800-233-1487) Doors to have the following specifications.

#### **Section Construction:**

Sections to provide corrosion resistance and translucent visibility into and out of the bay with 65% clarity. 6063-T6 Aluminum frame exterior surfaces to be beveled with tongue and groove meeting rail for optimum moisture drainage. Stiles to have minimum of .120 thick mounting surfaces for hinge and face hardware placement. Panels to be constructed with clear, sealed, 16 mm, five x-wall Polycarbonate materials with a minimum of 65% visibility. Sections to be assembled with fasteners constructed of stainless steel with flush head. Bottom section to include vinyl astragal secured with an aluminum-extruded retainer.

#### **Track:**

Track shall be 3" angle mounted track for applications with 18" or more of headroom. Doors with excess of 18" of headroom will use all available headroom and will conform to building and equipment clearances. **Note:** Bronze models utilize 2" track only. Headroom under 18" to use 2" track to conform to clearance restrictions.

#### **Hardware:**

##### Platinum Model

Hardware to include roll-formed 3" 12 ga., 304 stainless steel track with specialty coated or stainless steel track bolts and nuts. Graduated end roller hinges, top and bottom fixtures and center hinges to be minimum of 12 ga. 304L stainless steel construction. All hinge fasteners to be 300 or 400 series plated stainless steel with rubber washer head. Rollers to be Magnum SP™ sealed bearing type with: stainless steel balls and stainless steel raceway, stainless steel stem and UHMW tire. Torsion shafts to be constructed with solid 303 or 304 stainless steel with ¼" keyway. Counter-balance assemblies to include specialty coated: coupler and die-cast aluminum cable pick up drums able to withstand 1000 hrs in a salt spray test. Torsion springs to be constructed with rust-resistant stainless steel with specialty coated aluminum die cast spring fittings with 1000 hour resistance in a salt spray test. Pick-up cable to be constructed with 7 x 19 stainless steel. ¼" stainless steel keys to be provided on all keyed components. All shaft bearing plates and head plates to be constructed of 12 ga. stainless steel material with stainless steel sealed greasable bearing for easy maintenance. All doors with 18" or more of high-lift will use stainless steel head-plate for long life and structural integrity.

##### Gold Model

Hardware to include 3" 12 ga. galvanized track with galvanized steel track bolts and nuts. Graduated end roller hinges, top and bottom fixtures and center hinges to be minimum of 12 ga. 304L stainless steel construction. All hinge fasteners to be 300 or 400 series plated stainless steel with rubber washer head. Rollers to be Magnum™ sealed bearing type with plated balls and raceway, stainless steel stem and UHMW tire. Torsion shafts to be constructed with solid 303 or 304 stainless steel with ¼" keyway. Counter-balance assemblies to include: specialty coated coupler and die-cast aluminum cable pick up drums able to withstand 1000 hrs in a salt spray test. Torsion springs to be constructed with rust-resistant galvanized steel with specialty coated aluminum die cast spring fittings with 1000 hour resistance in a salt spray test. Pick-up cable to be constructed of 7 x 19 stainless steel. ¼" stainless steel keys to be provided on all keyed components. All shaft bearing plates and head plates to be constructed of 12 ga. stainless steel material with stainless steel sealed greasable bearing for easy maintenance. All doors with 18" or more of high-lift will use stainless steel head-plate for long life and structural integrity. Lift handles to be provided for manual operation. Side locking device with spring-loaded bolt as standard.

##### Silver Model

Hardware to include 3" 12 ga. galvanized track with galvanized steel track bolts and nuts. 11 ga. galvanized steel section and roller hinges with graduated end roller hinges. Top and bottom fixtures and roller brackets to be 11 Ga. galvanized steel construction. All hinge fasteners to be galvanized with rubber washer head. Rollers to be Magnum™ sealed bearing type with plated bearing, stainless steel stem and UHMW tire. Torsion shafts to be constructed with solid stainless steel with ¼" keyway. Counter-balance assemblies to include die-cast aluminum cable pick up drums with 100,000 cycle corrosion resistant galvanized springs with aluminum die cast spring fittings. Pick-up cable to be constructed of 7 x 19 stainless steel. ¼" galvanized keys to be provided on all keyed components. All bearing plates and head plates to be constructed of galvanized steel material with sealed greasable bearing for easy maintenance. All doors with 18" or more of high-lift will use galvanized head-plate for long life and structural integrity. Lift handles to be provided for manual operation. Side locking device with spring-loaded bolt as standard.

**Torsion Spring Cycles:** Please provide one of the following specifications.

Torsion springs to be rated at 15,000 cycles.

Torsion springs to be rated at 25,000 cycles.

Torsion springs to be rated at 50,000 cycles.

Torsion springs to be rated at 100,000 cycles.

**Bronze Model**

Hardware to include 2" 14 ga. galvanized track, 14 ga. galvanized steel section and roller hinges with graduated end roller hinges. Top and bottom fixtures and roller brackets to be 13 ga. galvanized steel construction. All hinge fasteners to be galvanized with rubber washer head. Rollers to be commercial steel with 10 ball bearings, commercial steel stem and tire. Torsion shafts to be constructed with hollow galvanized steel. Counterbalances to include die-cast aluminum cable pick up drums with 15,000 corrosion resistant galvanized springs with aluminum die cast spring fittings. Pick-up cable to be constructed of 7 x 19 stainless steel. All bearing plates and head plates to be constructed of galvanized steel material with freeway bearings. All doors with 18" or more of high-lift will use galvanized head-plate for long life and structural integrity. Lift handles to be provided for manual operation. Side locking device with spring-loaded bolt as standard.

**Weatherseal:**

Door system to include header and jamb seal with aluminum/vinyl combination to prevent air infiltration.

**Installation:**

Installation to be performed in a workmanlike manner in accordance with American Garage Door Supply's standards and instructions.

**Optional Specifications:**

**Full Vision Sections:** To be constructed with beveled aluminum frame with insulated and sealed 5/8" Full Vision Plexiglas™ panels.

**Specialty Coated Components** Drums, couplers and spring cones to be specialty coated for maximum corrosion resistance.

**Powder Painted Frame:** Frame to be powder-painted with U.V protected enamel with 3-5 mil thickness to customers color specification.

**Conveyor Cutouts:** To be constructed with beveled aluminum frame to provide clearance on all sides of conveyor rail.

**Torsion Spring Cycles:** Please provide one of the following specifications.

Torsion springs to be rated at 15,000 cycles.

Torsion springs to be rated at 25,000 cycles.

Torsion springs to be rated at 50,000 cycles.

Torsion springs to be rated at 100,000 cycles.

**Strap Counter-weight System:** Counterweight system to include spool, nylon strap, weights, and weight tubes for balanced operation of the door.

**Mechanical Room Application:** Application kit for remote mounting of operator to include bearing plates, coupling and extra shaft to allow for mounting in mechanical room.

**Brush Type Weatherseal:** Provide polypropylene brush type weatherseal at jambs and header to prevent air infiltration when door is closed.

**Exhaust Port:** Exhaust port to be factory installed and positioned/sized for optimum usage.