

MODEL SA6000 SPECIFICATIONS

DOOR SECTIONS

Constructed from 45mm (1 3/4") thick 6063-T5 aluminum alloy.

Frame:

Material thickness' of top rail, bottom rail, and end stile, 1.8mm (.071") to 2.5mm (0.100"). Thickness at fastener locations 3.2mm (1/8") or more.

End stiles 76mm (3.0") wide (*interior*) 53mm (2 3/32") (*exterior*). Top rail height 45mm (1 3/4") overall. Bottom rail height 43mm (1 11/16") overall. Combined height of top and bottom rails 87mm (3 7/16"). The top rail of every section to have an integral aluminum strut 38mm (1 1/2") deep.

Top and bottom rails are screwed to the end and intermediate stiles with plated countersunk screws. The screws are located at the section interface and are not visible from the interior or the exterior.

Intermediate stiles located on interior face only. Material thickness 1.6mm (.063") minimum and 4.8mm (0.188") at fastener locations. Stile width 76mm (3.0")

Finish:

Anodizing applied to AAMA 611, 607, 608 standards.
Painted product (*special order*) painted to AAMA 2603 standards.

Polycarbonate Insert Panel:

Lexan® Thermoclear® Triple wall 16 (3TS) manufactured by GE Structured Products. One single 16mm (5/8") thick sheet per section set into 32mm (1 1/4") deep pockets in aluminum frame with waterproof sealant. R value of Polycarbonate panel 2.38. U value .42. Available in Clear, as well as Bronze, Blue and Green tints.

HARDWARE

Tracks:

50mm (2") or 75mm (3") Z275 (G90) galvanized steel. Material thickness 1.9mm (0.075") for 50mm track and 2.7mm (0.105") for 75mm track. Vertical tracks to have a graduated slope. Vertical tracks to be bracket mounted 2.7mm (0.104") or continuous angle mounted 2.4mm (0.093") and fully adjustable. (*Note: Reversed angle /1.0" overlap not available*) Horizontal track to be adequately reinforced per door size and weight.

Door Face Hardware:

Graduated end hinges and centre hinges Z275 (G90) galvanized steel. Heavy duty rollers with hardened inner and outer races with 10 grade 500 ball bearings.

Strutting: integral 38mm (1 1/2") deep strut on each top rail.

Counterbalance System:

Class II Oil Tempered ASTM A229 wire minimum 10,000 cycle torsion springs on continuous steel shaft. (*Solid or tubular shaft as required by size and operation*). Aircraft quality galvanized lift cables with a minimum safety factor of 5 to 1.

Locking:

Interior mounted slide lock suitable for pad locking.

Bottom weatherstrip:

U type arctic grade vinyl fits into integral bottom retainer.

Section Interface weatherstrip:

Arctic grade vinyl bubble shaped weatherstrip at all section meeting rails in integral retainer.

Jamb mounted weatherstrip:

Anodized or painted aluminum with two point flexible arctic grade vinyl weatherstrip.

Header mounted weatherstrip:

Anodized or painted aluminum with two point flexible arctic grade vinyl weather-strip.

Operation:

Manual-Standard.
Optional: Hand chain hoist (3-1 ratio) or optional electric operator

Available sizes:

Widths to (6150mm) 20' 2" & heights to 5540mm (18' 0").

MODEL SA7000 SPECIFICATIONS

DOOR SECTIONS

Constructed from 45mm (1 3/4") thick 6063-T5 aluminum alloy.

Frame:

Material thickness' of top rail, bottom rail, end stiles and intermediate stiles 1.8mm (.071") (3mm (1/8") at fastener locations). Top rail height 44mm (1 3/4") overall. Bottom rail height 50mm (2.0") overall. Combined height of meeting rails 94mm (3 3/4"). Intermediate stiles 60mm (2 3/8") wide. End stiles (3 15/16"). Bottom rail on bottom section and top rail of top section 3 15/16" wide. Framework to provide 16mm wide glazing shelf.

Optional double end stile with matching bottom-most rail 162mm (6 3/8") wide. Material thickness of double end stile/bottom rail 0.100" (3mm (1/8") at fastener locations).

Aluminum Insert Panel:

5005 H34 13mm (.051) thick aluminum sheet material sealed to door frame with glazing compound and held fast with rigid PVC snap in mouldings.

Finish:

Anodizing applied to AAMA 611, 607, 608 standards.
Painted product (*special order*) painted to AAMA 2603 standards.

Glazing:

Any or all sections can accommodate aluminum panels as well as single and sealed glazing materials up to 16mm (5/8") thickness. Suggested glazing types include, 3mm (1/8") single glass/acrylic/polycarbonate, 6mm (1/4") single glass/acrylic polycarbonate, 16mm (5/8") sealed glass/Thermoclear® etc. NOTE: Sealed acrylic or polycarbonate not available.

Glass materials to be set on two rubber blocks on bottom edge to absorb impact as door closes. All glazing materials sealed to door frame with glazing compound and held securely with rigid PVC snap in mouldings.

HARDWARE

Tracks:

50mm (2") or 75mm (3") fabricated from Z275 (G90) galvanized steel. Material thickness 1.9mm (0.075") for 50mm track and 2.7mm (0.105") for 75mm track. Vertical tracks to have a graduated slope. Vertical tracks to be bracket mounted 3.4mm (0.135") or continuous angle mounted 2.2mm (0.087") and fully adjustable for sealing to door to jamb. Horizontal track to be adequately reinforced per door size and weight.

Door Face Hardware:

Graduated roller hinges and centre hinges galvanized steel. Heavy duty rollers with hardened inner and outer races with 10 grade 500 ball bearings.

Strutting:

Aluminum 6063-T5 alloy angular shaped 44mm (1 3/4") deep. Material thickness 3mm (0.118") at furthest point from door face. Anodizing applied to AAMA 611, 607, 608 standards. Painted product (*special order*) painted to AAMA 2605, 2604, 2603. Strutting is required for doors 4,000mm (13' 0") and over in width.

Counterbalance System:

Class II oil tempered ASTM A229 wire 10,000 cycle torsion springs on continuous steel shaft. (*Solid or tubular shaft as required by door size and operation*). Aircraft quality galvanized lift cables with a minimum safety factor of 5 to 1.

Locking:

Interior mounted slide lock suitable for pad locking.

Section Interface Weatherstrip:

Arctic grade vinyl bubble shaped weatherstrip at all section meeting rails fits into integral retainer.

Bottom weatherstrip:

U type arctic grade vinyl fits into integral bottom retainer.

Jamb mounted weatherstrip:

Anodized or painted aluminum with two point flexible arctic grade vinyl weatherstrip.

Header mounted weatherstrip:

Anodized or painted aluminum with two point flexible arctic grade vinyl weatherstrip.

Operation:

Manual-Standard.
Optional: Hand chain hoist (3-1 ratio) or electric operator recommended for doors over 12' high.

Available sizes:

Widths to 7366mm (24' 2") & heights to 5490mm (18' 0")

ALUMINIUM DOORS



SA6000 SA7000

SA6000

SA7000

STANDARD DOOR SIZE CHART

Width x Height

| | | | | | | | | | | | | | | | | | | | |
|--------|------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|
| SA6000 | 8x8 | 8x10 | 8x12 | 8x14 | 10x8 | 10x10 | 10x12 | 10x14 | 12x8 | 12x10 | 12x12 | 12x14 | 12x16 | 14x8 | 14x10 | 14x12 | 14x14 | 14x16 | SA6000 |
| SA6000 | 16x8 | 16x10 | 16x12 | 16x14 | 16x16 | 18x8 | 18x10 | 18x12 | 18x14 | 18x16 | 20x8 | 20x10 | 20x12 | 20x14 | 20x16 | SA6000 | | | |
| SA7000 | 8x8 | 8x10 | 8x12 | 8x14 | 10x8 | 10x10 | 10x12 | 10x14 | 12x8 | 12x10 | 12x12 | 12x14 | 12x16 | 14x8 | 14x10 | 14x12 | 14x14 | 14x16 | SA7000 |
| | | | | SA7000 | 16x8 | 16x10 | 16x12 | 16x14 | 16x16 | SA7000 | | | | | | | | | |

(custom sizes also available)

ANODIZING COLOR OPTIONS

| | | | | |
|-----------|------------------|-------------------|-----------------|---------------|
| Clear #17 | Light Bronze #26 | Medium Bronze #28 | Dark Bronze #40 | Jet Black #29 |
|-----------|------------------|-------------------|-----------------|---------------|

Additional custom anodizing colors are available, please consult factory for details.
(available on both models)

PAINTING COLOR OPTIONS



A full selection of custom paint colors are available. (available on both models, special order)

VISION LITES OPTIONS

- Maximum Thickness 5/8"/16mm

GLASS (available on SA7000 only)

- Available in single pane and thermo sealed units.
- Glass options include clear, tempered, Georgian Polished Wire and laminated.
- Glass thickness available in 3mm and 6mm

ACRYLIC (available on SA7000 only)

- Available in clear sheet only - 3mm and 6mm single pane

LEXAN® POLYCARBONATE (available on SA7000 only)

- Available in clear sheet only - 3mm and 6mm single pane

THERMOCLEAR® POLYCARBONATE (available on both models)

- Available in double wall 6mm or triple wall 16mm
- SA6000 available with 16mm only
- Clear, Bronze, Green, Blue and Red



INSERT PANEL OPTIONS

- Full aluminum insert panels are available in anodized and painted colors
- Also available in kick-proof design with insulated core (available on SA7000 only)

CUSTOM EXTRUDED ALUMINUM RAILS & STILES

BUILT IN INTEGRAL STRUT

5/8" / 16mm THICK TRIPLE WALL THERMOCLEAR® VISION LITE

VERTICAL STILES (INTERIOR ONLY - NOT SHOWN HERE)

INTERMEDIATE VINYL WEATHER STRIP

BUILT IN INTEGRAL STRUT

BOTTOM VINYL WEATHER STRIP

The **Steel-Craft Aluminum SA6000** door features leading edge design elements combined with extremely lightweight construction. Full view sections featuring Thermoclear® with no visible vertical stiles delivers a clean look, with maximum visibility and high light transmission.

CUSTOM EXTRUDED ALUMINUM RAILS & STILES

GLASS, POLYCARBONATE OR ALUMINUM

VERTICAL STILES (NOT SHOWN HERE)

INTERMEDIATE VINYL WEATHER STRIP

SNAP IN RETAINER

BOTTOM VINYL WEATHER STRIP

The **Steel-Craft Aluminum SA7000** door offers significant advancements in product quality and performance. The SA7000 is constructed from the toughest corrosion resistant aluminum and designed for years of reliable operation. The distinctive new look will add visual quality and character in a wide variety of applications.