



The Model C5 offers exceptional value in commercial and industrial settings.

# MODEL C5ST, C5SV, C5SS

Full 25 gauge (.019") Ribbed Steel Door

.019" steel equal to "Nominal 24 gauge" used by other manufacturers

- Featuring: 2" thick roll formed sections
- Three stage prepainting process for a durable, maintenance-free finish
- Deep ribbed design for extra strength
- Insulated models (C5SV, and C5SS) "R" value 6.66, "U" value .15



# IDEAL MODEL C5ST, C5SV, C5SS

**Quality Assurance** – Doors shall be steel sectional overhead type as manufactured by Ideal Door, a division of Clopay Building Products Company. Each door is provided as one complete unit including sections, brackets, tracks, counterbalance mechanisms, hardware (list options) to suit the opening and headroom available. Standard maximum size is 18'2" wide x 14' high.

**Materials and Construction** – Sections shall be 2" thick roll formed commercial quality 25 gauge (.019") gauge steel. Sections shall be hot-dipped galvanized per ASTM A-924, A-653, phosphate coated, pre-painted with primer and baked-on polyester top coat. Two 1/2" deep reinforced ribs on 8" centers complemented by six 1/8" beads on 2" centers. Minimum 18 gauge (.045") galvanized turn-down end stiles to wrap face of section by 1 1/2" minimum, 16 gauge (.059" minimum) double end stiles on doors 16'3" and wider. All stiles are engineered for easy hardware attachment through prepunched holes. All center stiles are turn-down 18 gauge galvanized. Stiles and face panels shall be fastened with patented Tog-L-Loc® joining system. Bottom astragal to be U shaped flexible PVC vinyl attached to full length .040" aluminum astragal retainer. Meeting rails to form weathertight tongue and groove joint.

**Finish** – Exterior of door to be prefinished with a 3-coat process of a baked-on polyester top coat over primer on a phosphate coating (1 mil total thickness). Available in white or brown. Interior to have baked-on polyester top coat over primer (.5 mil total thickness). FINISH GUARANTEED AGAINST RUST THROUGH FOR A FULL FIVE YEARS.

**Hardware** – All hinges and brackets to be manufactured of hot-dipped galvanized steel, hinges 14 gauge minimum. Ten ball steel rollers to be full floating ball bearing in case-hardened steel races, mounted to fit the taper of the track.

**Tracks** – 2" and 3" track. Vertical tracks to be a minimum of 16 gauge galvanized steel tapered and mounted for wedge type closing. Horizontal tracks to be minimum 14 gauge galvanized steel, reinforced with minimum 13 gauge galvanized steel angles as required. 2" track standard.

**Spring Counterbalance** – Door assembly to be operated by a torsion spring counterbalance mechanism, with a helically wound, oil tempered torsion spring mounted on a galvanized steel tube or solid steel shaft as required. Cable drums are die cast aluminum with minimum 5:1 safety factor. Lift cables are high strength galvanized aircraft cable with minimum 7:1 safety factor.

**Locking** – Inside spring loaded slide bolt lock on end stile shall engage slot in track.

**Wind Loading** – Contact factory for specific wind load requirements.



Rustproof - Panels are pre-painted inside and out to inhibit rust. Hot-dipped, galvanized steel is painted with primer and given a tough oven-baked polyester top coat to provide the most rust-resistant steel door available. Five year warranty against rust-through.

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## (25 GAUGE) .019" RIBBED STEEL DOOR

### OPTIONS

- A. Insulation** (See chart below) – Maximize energy efficiency with polystyrene insulation. Polyethylene vinyl (C5SV) or steel backer (C5SS) on door interior for durability. Polystyrene foam to have fire retardant additive to meet UL R-8194A.
- B. Glazing** – 24" x 6" or 24" x 12" windows with polypropylene plastic frame to match color of door or full vision available. Glazing options include SSB glass, 1/8" plexiglass, and 1/4" wire glass on non-insulated product. 1/2" insulated glass on insulated doors. Aluminum full vision sections available with 1/8" DSB or Plexiglass, 1/4" tempered, wire, or Plexiglass, and 1/2" insulated glass. Consult factory for other options.
- C. Locking** – Five pin cylinder outside keyed lock with lock bar engaging track on one or both sides of door available.
- D. High Cycle Spring** – Available in 25,000; 50,000; 100,000 cycle. Consult factory for availability.
- E. Mullions** – Carry-away and rollaway available on doors to 14' high (2" track only). Swing up mullion available. Consult factory.
- F. Track** – Vertical lift, high lift, follow the roof slope and low headroom track available.
- G. Weatherstripping** – Complete perimeter seals available in various materials.
- H. Installation** – Install door including sections, brackets, guides, track, etc. in accordance with final shop drawings (if required) and instructions by Ideal Door Company.

### SECTION ARRANGEMENT

Door Height	# of Sections
Up to 8'0"	4
8'3" to 10'0"	5
10'3" to 12'0"	6
12'3" to 14'0"	7
14'3" to 16'0"	8

### WINDOW & PANEL ARRANGEMENT

Door Width	# of Panels	Max # of Window Lites
Up to 9'2"	2	2
9'4" to 13'2"	3	3
13'4" to 16'2"	4	4
16'4" to 20'2"	5	5

### INSULATION OPTIONS

Model #	Exterior Gauge	Section backer material	Polystyrene thickness	Section R-Value	Section U-Value
C5SV	25 GA. (.019" min.)	Polyethylene	1 3/8"	6.66	.15
C5SS	25 GA. (.019" min.)	.012" Steel	1 3/8"	6.66	.15

