



standard-duty polystyrene insulated STEEL DOORS

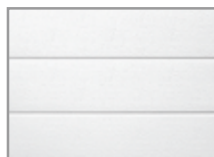


Model 3150

STEEL	EFFICIENCY	WARRANTY
27	6.5	10YR
GAUGE	R-VALUE	LIMITED CONSTRUCTION

FEATURES

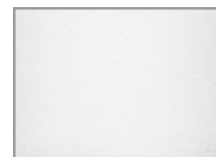
- Tongue-and-groove section joint for exceptional strength and thermal sealing.
- Durable sandwich construction: inside and outside steel skins laminated to a 1-3/8" (34.9 mm) polystyrene core.
- Panels are pre-painted inside and out to inhibit rust. Hot-dipped, galvanized steel is painted with primer and given a tough oven-baked polyester top coat, to provide the most rust-resistant steel available. Ten year warranty against rust-through.
- Attractive stucco embossed light ribbed panel (3150), wood-grain embossed elegant raised panel (3154) and woodgrain embossed flush panel (3155) steel skins are pre-painted inside and out for a durable, maintenance-free finish.
- Expanded polystyrene core is environmentally safe, and its R-value remains stable over the life of the door.
- These high quality, insulated, **thermally broken** steel doors are designed for most commercial and industrial applications, providing energy efficiency and long service under demanding applications.



3150 Light Ribbed Panel



3154 Elegant Raised Panel



3155 Flush Panel

standard-duty polystyrene insulated STEEL DOORS

Quality Assurance – Doors shall be insulated steel sectional overhead type as manufactured by Clopay Building Products Company. Each door is provided as one complete unit including sections, brackets, tracks, counterbalance mechanisms and hardware (list options) to suit the opening and headroom available. Standard maximum door width to 18'2" (5.5 m). Standard maximum door height to 16'0" (4.9 m).

Materials and Construction – Sections shall be 1-3/8" (34.9 mm) thick sandwich construction consisting of exterior and interior steel skins pressure bonded to an expanded polystyrene core. Model 3150 steel skins to be separated by a continuous silicone filling forming a thermal break. Steel skins shall be roll formed commercial quality hot-dipped galvanized per ASTM A-924, A-653, phosphate coated, prepainted with primer and baked-on polyester top coat. Door sections constructed of 27 gauge (.016 min.) (.41 mm) exterior and 28 gauge (.015 min.) (.38 mm) interior. Model 3150 to be stucco embossed texture with .040" (1.02 mm) minor ribs, 4" (10.2 cm) or 5" (12.7 cm) on center. Model 3154 to be elegant raised panel, Model 3155 to be flush exterior design with woodgrain embossed texture, stucco embossed interior. All stiles engineered for easy hardware attachment through prepunched holes. 20 gauge (.034") (.86 mm) steel end stiles shall be galvanized. Nineteen gauge galvanized, primed steel support plates located under each hinge location, prepunched for hinge attachment. Full length .050" (1.3 mm) aluminum astragal retainer. Astragal to be U-shaped flexible PVC vinyl. Section joint to form weather-tight tongue-and-groove joint. 3" (76.2 mm) galvanized steel step plate/lift handle provided on bottom section.

Energy Value – Section R-value = 6.5*

*Calculated door section R-value is in accordance with DASMA TDS-163.

Finish – Exterior and interior steel skins prefinished with a one full mil 3-coat process of a baked-on polyester top coat over primer on a phosphate coating. White, commercial brown, gray or commercial tan exterior; white interior (3150). White, almond, sandtone, desert tan, commercial brown, hunter green, gray or bronze exterior; white interior (3154, 3155). **FINISH GUARANTEED AGAINST RUST-THROUGH FOR TEN (10) YEARS, SECTIONS AGAINST DELAMINATION FOR TEN (10) YEARS.**

Hardware – All hinges and brackets to be manufactured of hot-dipped galvanized steel, 14 gauge minimum. 10-ball steel rollers to be full floating ball bearing in case-hardened steel races, mounted to fit the taper of the track.

Tracks – Vertical tracks to be minimum 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. Optional 3" (76.2 mm) track is 12 gauge.

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. 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 – Door shall comply with ANSI/DASMA 108 or to meet specific application requirements.

OPTIONS

- A. Glazing** – 3150: 24" x 8" (61 cm x 20.3 cm) or 24" x 12" (61 cm x 30.5 cm) window lite of polypropylene frame construction. Outside frame color to match panel. Available with 1/2" (12.7 mm) insulated, 1/2" (12.7 mm) insulated tempered or 1/4" (6.4 mm) tempered glazing options. Full vision section prepainted white or brown; glazing options are 1/8" (3.2 mm) DSB, 1/8" (3.2 mm) acrylic (plexiglass), 1/8" (3.2 mm) tempered, 1/8" (3.2 mm) polycarbonate and 1/2" (12.7 mm) insulated glass. 3154 and 3155: 12" x 19-1/2" (30.5 cm x 49.5 cm) window lite of cellular PVC frame construction; glazing is 1/8" (3.2 mm) DSB, 1/8" (3.2 mm) acrylic (plexiglass).
- B. High Cycle Spring** – Available in 25,000; 50,000; 100,000 cycles.
- C. Track** – Vertical lift, high lift, follow-the-roof slope and low headroom track available. 2" (50.8 mm) or 3" (76.2 mm) as required.
- D. Weatherstripping** – Complete perimeter seals available in various materials.
- E. Locking** – Five-pin cylinder lock with outside key, located at the first hinge location from right-hand side.

MODEL 3150

WINDOW OPTIONS

Door Width	Max. Number of Window Lites
Up to 9'2"	2
9'4" to 13'2"	3
13'4" to 16'2"	4

SECTION ARRANGEMENT

Door Height	Number 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

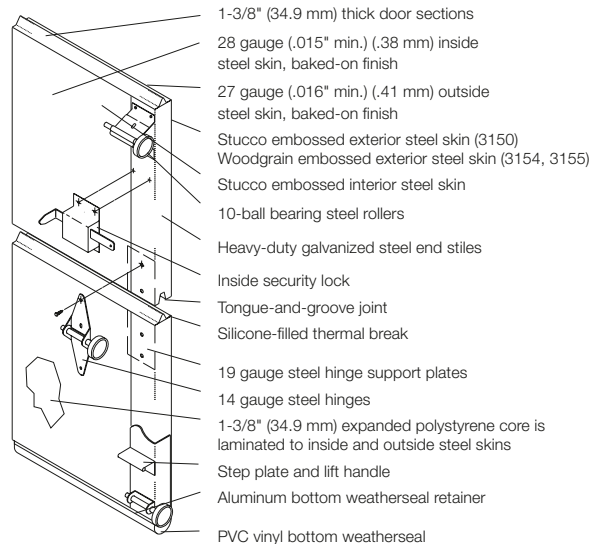
MODELS 3154 & 3155

WINDOW OPTIONS

Door Width	Max. Number of Window Lites
8'0" to 9'10"	4
10'0" to 11'10"	5
12'0" to 13'10"	6
14'0" to 15'10"	7
16'0"	8

SECTION ARRANGEMENT

Door Height	Number of Sections
Up to 7'0"	4
7'6" to 8'9"	5
9'0" to 10'6"	6
10'9" to 12'3"	7
12'6" to 14'0"	8
14'3" to 15'9"	9
16'0"	10



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