



Model 3212

Micro-grooved

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STANDARD FEATURES *20'2" x 20'0" Maximum Dimensions*



- Four evenly spaced horizontal micro-grooves
- 2" thick sections
- Thermally-broken tongue and groove section joints
- 20 gauge wood grain embossed face steel
- 27 gauge wood grain embossed interior steel
- 21" and 24" section heights
- End stiles - 20 gauge
- 1-7/8" CFC, HFC, HCFC, and PFA free polyurethane insulation. Non-VOC, zero-GWP and zero-ODP - Montreal, Kyoto and EPA SNAP compliant
- Full height vertical hardware attachment plates
- Available in 3" height increments [except 6'3", 6'6", 6'9", 8'3", 8'6", and 10'3"]
- U-shaped bottom astragal with aluminum retainer
- DASMA Thermal Verification Program, IECC, ASHRAE 90.1 and California Title 24 compliant
- **U-Factor¹ = 0.19**
- R-Value² = 17.54
- Air Infiltration¹ = 0.10
- STC Rating³ = 21
- Flame Spread [FSI] = 15
- Smoke Development [SDI] = 180
- Pass door capable

COLORS

WHITE, POWDER COAT⁴, LOGO DOORS

TRACK

- 15" radius bracket mount track
- Up to 8'0" height - 17 gauge 2" track
- 8'3" to 10'0" height - 16 gauge 2" track
- 10'3" to 14'0" height - 14 gauge 2" track
- Over 14'0" height - 12 gauge 3" track
- Vertical track to be mounted with track brackets, clip mount angle, or continuous jamb angle.
- Horizontal track to be reinforced with 13 gauge angle according to door size and weight.

HARDWARE

- Graduated hinges - 14 gauge
- Top fixtures - 12 gauge
- Bottom fixtures - 13 gauge
- Over 16'2" width - Double end hinges
- Rollers - 10 ball bearing
 - Case hardened steel tire
 - Solid shaft

SPRING COUNTERBALANCE

Torsion springs mounted on a cross header shaft supported by galvanized steel ball-bearing end plates and center bracket[s]. Springs are custom-designed for exact door weight, size, and trajectory according to current ANSI/DASMA 102 standards for a minimum of 10,000 cycles. Counterbalanced with galvanized aircraft quality cables secured to the bottom of the door. 20,000, 50,000, and 100,000 cycle springs are available as an upgrade option.

STRUTTING

Galvanized strutting provided according to door size and design.

SECURITY OPTIONS *No lock is standard*

- Inside slide lock - Torsion spring required
- Outside center lock - Not available with 3" track
- Double lock bar - Not available with 3" track - Not available with doors over 18' wide

GLAZING *1" Insulated glass*

- Glazing Types - Plain [DSB]
 - Tinted
 - Tempered
- Full-View Aluminum section
- Black Oval Frame 1/2" Polycarbonate - 24" x 12"
- Glazing Dimensions - 24" x 6"
 - 24" x 12"
 - 34" x 16"

FRAMING / INSTALLATION

Torsion spring mounting pads, jamb plates, header plates, and associated track system hangers shall be furnished by other than C.H.I. All installation quality and workmanship is responsibility of contractor and is to be executed in accordance with C.H.I. installation instructions, local and state building codes and work site safety regulations.

¹Thermal transmittance and air infiltration testing in accordance with ANSI/DASMA 105 and ASTM E283 standards.

²R-value calculation is in accordance with ANSI/DASMA 163 and ASTM C518 standards.

³ASTM E90-09, Standard test method for laboratory measurement of airborne sound transmission of building partitions and elements.

⁴Maximum width of Powder Coat is 20'2".

⁵Calculations and testing details do not account for options including but not limited to windows and/or exhaust ports.



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All information presented is based on the specifications and features available at the time the document was created and is subject to change without notice.