



chiohd.com

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Model 3216

Micro-grooved

STANDARD FEATURES *32'2" x 18'0" / 30'2" x 20'0" ¹Maximum Dimensions*



SECTION PROFILE

- Four evenly spaced horizontal micro-grooves
- 2" thick sections
- Thermally broken tongue and groove section joints
- 26 gauge wood grain embossed face steel
- 18", 21", and 24" section heights
- End stiles - 20 gauge
- 1-7/8" HFC-free polyurethane insulation
 - zero-GWP & non-VOC status
 - Montreal, Kyoto, and EPA SNAP compliant
- Center stile in top section (all widths)
- Full height vertical hardware attachment plates
- Available in 3" height increments
- PVC bottom seal
- IECC® Compliant
- ²R-Value = 17.54
- ³U-Factor = 0.19
- ³Air Infiltration = 0.15
- ⁴STC Rating = 21

COLORS

WHITE, ALMOND, SANDSTONE, BROWN, BLACK, GRAY, ⁵POWDER COAT

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.

¹Call for availability of doors over maximum dimensions.

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

³Thermal transmittance and air infiltration testing in accordance with ANSI/DASMA 105 and ASTM E283 standards.

⁴ASTM E90-09, Standard test method for laboratory measurement of airborne sound transmission of building partitions and elements.

⁵Maximum width of Powder Coat is 20'2".

^{*}Calculations and testing details do not account for options including but not limited to windows and/or exhaust ports.



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