

2" Commercial Model 2400

Technical Specifications

Specifications

PART 1 GENERAL

1.01 Section

Sectional Doors are to be Model 2400 as manufactured by Amarr Garage Doors. Operation to be manual pushup. Mounting to be interior face mounted on a prepared surface.

1.02 Quality Assurance

Doors shall be steel sectional overhead type. Each door includes sections, brackets, tracks, counterbalance mechanisms and hardware to suit the opening and headroom available.

1.03 Related Work

Opening preparation, electrical wiring, miscellaneous or structural steel, access panels, finish or field painting are in the scope of the work of other sections or trades.

PART 2 PRODUCT

2.01 Door Sections

Steel sections shall be 2" (50.8mm) thick roll formed from commercial quality hot-dipped galvanized 24-gauge (0.022" min.) steel (per ASTM A525-A526). Each section shall have 2 deep ribs and 6 shallow ribs and a tongue and groove joint for a weathertight seal between sections. End stiles and intermediate stiles to be formed from 19 gauge min. (0.042" min.) (1.07mm) galvanized steel and engineered for quick hardware attachments through prepunched extruded holes. All stiles shall be fastened to the section using the TOG-L-LOC® joining system. Standard maximum door size is 24'2" (7.37m) wide x 16'0 (4.88m) high.

2.02 Finish

The door exterior and interior is pre-painted steel consisting of a hot-dipped galvanization coating applied to the base metal. A .2 mil baked-on prime coat is applied and then a .8 mil baked-on polyester top-coat is applied for ultimate rust protection. The interior coat is a .2 mil primer and a .3 mil white top coat. Sections are available in brown and white exterior finish. Brown sections to have wood grain embossed texture.

2.03 Weather-stripping

3-1/2" (88.9mm) U-shaped vinyl bottom seal in a full-length .050" (1.27mm) aluminum retainer is attached to the bottom section.

2.04 Track

Galvanized steel track shall be 2" (50.8mm) or 3" (76.2mm) as required. Continuous reverse angle mounting is standard for steel jambs. Bracket mounting is standard for wood jambs. Vertical track to be minimum 19 gauge galvanized steel, incline through the use of adjustable brackets to assure weathertight closure at the jambs. Horizontal tracks to be minimum 16 gauge galvanized steel, reinforced with 13 gauge galvanized steel angles as required by door size and weight.

2.05 Hardware

Hardware includes minimum 14 gauge galvanized hinges and 13 gauge galvanized steel track brackets. All rollers to have 10-ball bearings with casehardened inner and outer races. Sliding end stile locking device with spring-loaded bolt for inside operation only. Doors 16'3" (4.95m) and wider will have double end hinges and stiles and long stem rollers. Galvanized struts (truss bars) supplied on all doors 14'3" (4.34m) and wider to prevent deflection no more than 1/120 of the spanned width when in the open position.

2.06 Spring Counterbalance

Torsion springs for door counter-balance are mounted on a continuous cross header shaft. Springs are oil tempered, helical wound and custom computed for each door. Springs to provide 10,000 cycles minimum. Cable drums are die cast aluminum. Galvanized lift cable will provide

minimum safety factor of five to one. Springs to comply with ANSI/DASMA 102-1996.

2.07 Lock

Interior sliding end stile lock with hole to receive padlock is standard.

2.08 Warranty

The paint finish carries a 5 year warranty against film integrity (peeling) and against color performance (fading) and chalking. The door has a 1year warranty on material, workmanship and hardware.

Options

2.09 Window Lites

Framed lites 24" x 4" (609.6mm x 101.6mm) can be installed in any intermediate section of a ribbed door. Single glazing is standard with Plexiglas. Frame is of PVC construction.

2.10 Insulation

CFC-Free expanded polystyrene (EPS) insulation with faced or steel backers on door interior is available.

2.11 Energy Values

Section	U-value	0.18	R-value	5.65
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2.12 Wind Load

Contact your Amarr Door Center for specific wind load applications.

2.13 High Cycle Springing

25,000; 50,000 or 100,000 cycle torsion springs available.

2.14 Locks

Outside keyed end stile lock.

A 5-pin cylinder lock with interior lock bar and outside key is available.

2.15 Full View Sections

Full view aluminum sections with clear anodized finish can be used in place of framed lites.

2.16 Weather-stripping

Perimeter seal for header and jambs is optional.

2.17 Track

Hi-lift, vertical-lift, low headroom and follow-the-roofline track is available.

2.18 Exhaust Port

To allow the release of fumes, exhaust ports can be installed in bottom sections. Tubes by others must be used from automobiles.

2.19 Electric Operation

A full line of commercial operators and accessories is available through any Amarr Door Center. Contact your Amarr Door Center for product information.

Part 3 EXECUTION

3.01 Installation

Installation to be by qualified dealer in accordance with Amarr's installation instructions and local building codes.