

1000-M Series

Manual Revolving Door

Crane Revolving Doors



The Crane 1000 Series door sets the industry standard for revolving door design, construction, operation, and reliability.

- Every revolving door is designed, engineered, and fabricated by union craftsmen in our Chicago factory.

The Crane 1000 provides the energy savings and traffic flow that you expect from a revolving door. Fabricated with rigid aluminum construction, the 1000 Series offers many options: different sizes, canopy designs, wing configurations, attachment plans, and finishes (anodized, painted, or clad in stainless steel or bronze). The Crane 1000 is an excellent choice for a budget conscious entrance or for a project that requires a fast lead time.

Standard features include the industry's most reliable manual speed control; a heavy-duty bookfold mechanism; a smooth-surface canopy without pie wedges or visible supports; and a rubber and felt weather sweep that provides a superior air seal.

Crafted Construction

Crane produces 1000 Series revolving doors from .125 thickness aluminum extrusions and sheet material. Each piece is carefully cut and fitted and connections are tightly bolted together. After fabrication, all exposed surfaces are mechanically finished to eliminate marks caused by rolling and forming. Anodized or painted finish is then applied; standard colors, as well as most exotics and metallics are available.

Speed Control

All Crane manual revolving doors use the same 100:1 gear ratio manual speed control. The Crane manual speed control is a steel cast, precision machined, sealed unit mounted in the canopy. The centrifugal force brake slowly engages as the door reaches the maximum allowable RPM set by code. The brake shoes can be easily adjusted or replaced. Crane's proven speed control design allows us to provide the industry's best 10 Year Warranty, another dorma+kaba first.

Air Infiltration

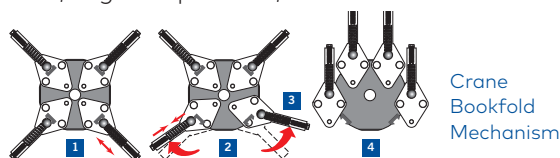
Crane revolving doors provide the most sustainable entrance possible, allowing continuous traffic flow while at the same time creating a barrier to prevent air infiltration. All our revolving doors are furnished with Crane factory-made door seals, which are essential for the barrier blocking inside from outside environments. The resulting air infiltration block enhances comfort for everyone inside and ensures the owner's return on investment. Crane doors are tested to meet the ASTM E283 standard, as well as to the even more stringent ASTM E783. ASTM E283 defines air infiltration requirements in a lab setting, which does not replicate real world conditions. So dorma+kaba takes the extra step of testing Crane doors to ASTM E783, which requires testing in an actual building.

NOTE

Contact us or visit our web site for information about other Crane products.

Bookfold Mechanism

The heavy-duty Crane bookfold mechanism is constructed from a high grade chilled bronze casting. This heavy-duty hardware complies with all state and federal requirements for providing emergency egress. The pressure required to engage the bookfold mechanism is adjustable to meet local elements such as stack conditions, negative pressure, and wind conditions.



Available Options

- **S1 Security Access Control**—Features for all manual Crane doors. See the **1000-S Series Security Revolving Door** brochure for details.
- **Welded Floor Grilles**—Floor grilles can be integrated into the revolving door design to ensure a working system and proper aesthetics. Fabricated from concentrically rolled bars of stainless steel, the grilles are curved to the radius of the revolving door, which allows the door to spin properly and minimizes damage to the bottom door sweep. The heavy-duty floor grilles are welded and formed from 304 or 316 solid stainless steel, 1/4" x 1" solid bars polished to a #4 satin finish. The recessed grille pan is welded from 12 gauge stainless steel and can have a drainage fitting added. Tolerances for the grilles aligning concentrically are to a 1/64" variance. (Note: Floor grilles are not included in air infiltration testing.)
- **Self-Positioning Closer "Return to Quarter-Point"**—An add-on feature that automatically resets the revolving door to its home (X) position after every use and provides an optimal weather seal while the door is idle. The Self-Positioning Closer requires a minimum 6-1/2" canopy, uses 110VAC, and does not require any additional safety sensors. This feature is compliant with ANSI 156.27. The closer works in conjunction with the Manual Speed Control and spins the door in a counter-clockwise direction. The Self-Positioning Closer functions independently from the Manual Speed Control, assuring the revolving door's safe and compliant operation at all times even if the closer is turned off or removed.
- **Custom Push Bars**—Available upon request.
- **Ceiling Lights**—Crane offers three lighting options: 8" Circline style with fluorescent bulb, 8" Circline style with LED light, or LED spotlights.

Service and Maintenance

Servicing and maintaining your 1000-A Series door is vital to ensuring your entrance is fully functional and secure at all times. dormakaba offers a variety of service plans to meet your needs. To find out more, visit:

go.dormakaba.com/ServiceAMER

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