

Tournex



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THE TOURNEX HIGH CAPACITY REVOLVING DOOR from Boon Edam

With the Tournex you can welcome a large number of visitors into your building. Day in and day out, this quiet, reliable and spacious revolving door offers extremely safe and comfortable access.

The Tournex is a fully Automatic Revolving Door available in both 3-wing and 4-wing configurations.

Microwave motion detectors mounted on the canopy above both throat openings detect the approaching traffic and signal the motor to rotate the doorset.

Two standard models, the Tournex Showcase and Tournex Star, are available in sizes ranging from 12'0" to 20'0" in diameter. Although both models offer a glass center core, the Showcase model offers a functional display case. The Tournex provides a comfortable compartment size for most applications and traffic requirements.

Operating on the principle of "always open, always closed", this automatic revolving door is closed to drafts, unwanted outside air, noise and dirt, but visitors can pass through easily and efficiently without impairing the door's energy-saving benefits.

The Tournex is a smart choice for most heavy traffic flow applications where an energy-saving revolving door is required.

Boon Edam North American Sales Offices:

Salt Lake City, Sacramento, Dallas, Chicago, Pittsburgh, Ft. Myers.

TX0303

Tournex

Basic Use

The Tournex Automatic Revolving Door provides an airlock which helps reduce drafts and the problems in buildings caused by air pressure differences between the inside and the outside. This helps building owners and managers maintain a comfortable interior climate and reduce energy costs.

Construction

The Tournex consists of three or four door wings, a center core, two curved sidewalls and a canopy – all manufactured from aluminum extrusions.

The standard sidewall construction utilizes a vertical endpost on each side and one vertical midpost in the center. This maximizes the amount of curved glass utilized, and therefore, the visibility through and around the door. In both models, the Showcase and the Star, the door panels are held in position electromechanically but can be panicked, or folded, outward to allow for emergency



egress.

The drive system consists of an AC motor with a Frequency Controller. 208V 3-phase electrical service is required. The Frequency Controller permits independent, digital settings for rotation

speeds and motor torque. This allows the proper speed and torque to be set for each environment.

Standard glazing includes 1/4" clear tempered glass, both in the door wings and the curved sidewalls. Tempered glass provides a tough



Optional Inset Cladding Finish



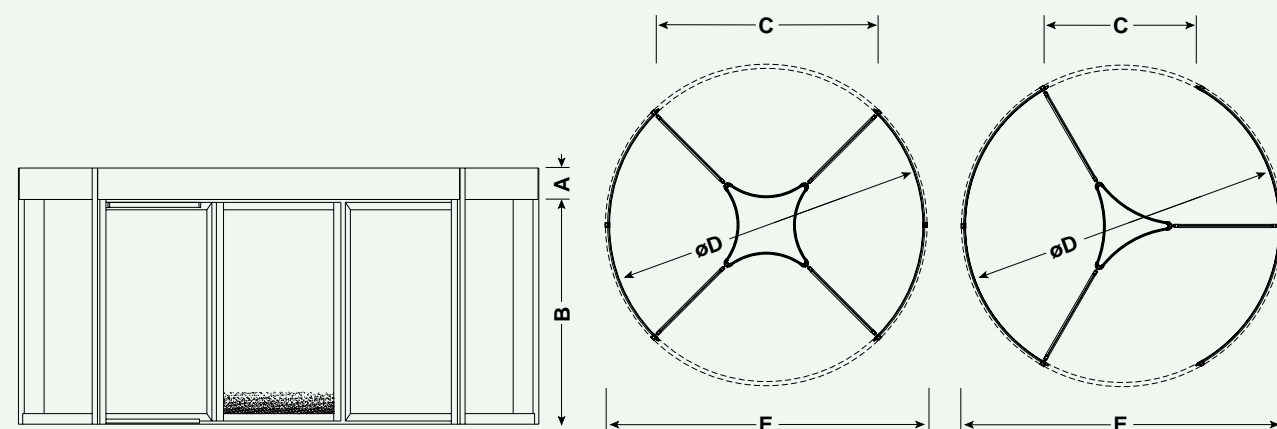
Star Center Detail

surface strength which reduces the chance for glass breakage. As an option, 7/16" laminated safety glass is available in the curved sidewalls.

The Tournex is manufactured with fail-safe electric locking which can tie into the building

fire alarm system and release to allow for emergency egress. Mechanical locking of the door wings can be accomplished through a standard, recessed two-point lock which throws one locking pin up into the ceiling and one down into the floor.

Tournex Dimensions



| Tournex Dimensions | 12'0" | 14'0" | 16'0" | 18'0" | 20'0" |
|--------------------|-----------|-----------|-----------|-----------|-----------|
| A | 1'0" | 1'0" | 1'0" | 1'0" | 1'0" |
| B | 7'0" | 7'0" | 7'0" | 7'0" | 7'0" |
| C (4-Wing) | 7'7 1/2" | 9'0" | 10'5 1/2" | 11'10" | 13'3" |
| C (3-Wing) | 5'1" | 6'1" | 7'1" | 8'1" | 9'1" |
| D | 11'6 1/2" | 13'6 1/2" | 15'6 1/2" | 17'6 1/2" | 19'6 1/2" |
| E | 12'0" | 14'0" | 16'0" | 18'0" | 20'0" |

Sensor Systems

A combination of active infrared sensors are used to detect presence in front of each door wing (TRS and FSS) and in front of each curved sidewall (EBS). The EBS sensors are wired into the angle encoder within the motor, allowing them to be turned on when the doors approach the curved walls and then turned off after the door passes the curved wall to minimize unnecessary stops.

The TRS, EBS and FSS sensors stop the door's rotation when actuated. Compression switches are also mounted on each door wing (SRD) and sidewall (SRB) which stop the door's rotation when contacted. A handicap button is provided to slow the door's rotation when pressed, and an emergency stop button will halt the door's rotation.