

# TQM

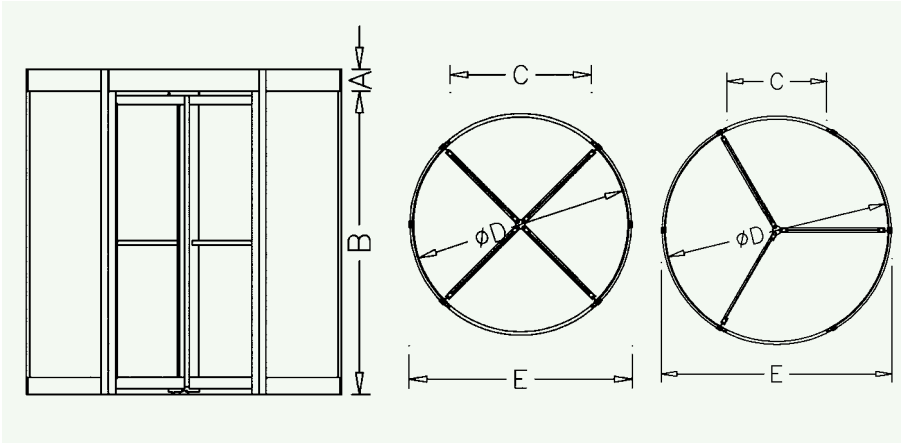


Boon Edam has more than 100 years of experience in manufacturing revolving doors. This experience is reflected in the quiet operation, attractive appearance and finishing touches applied to every door we produce. The TQM is a high quality manual revolving door with eye-catching features that include slimline profiles, concealed connections and large panes of glass, both in the door wings and the curved sidewalls. The TQM is available in a 3-wing or a 4-wing configuration. The 3-wing model provides larger compartment spaces. The 4-wing model provides a wider throat opening, allowing for a more efficient two-way traffic flow and a balanced appearance.

With either design, the TQM operates on the principle of "always open, always closed." This means that the door is closed to drafts, unwanted outside air, noise and dirt, but users can pass through easily and efficiently without impairing the door's energy-saving benefits.



# TQM



	4-Wing			3-Wing	
	6'6"	7'0"	8'0"	7'0"	8'0"
A	0'6"	0'6"	0'6"	0'6"	0'6"
B	7'0"	7'0"	7'0"	7'0"	7'0"
C	4'3 <sup>3/4</sup> "	4'8"	5'4 <sup>1/2</sup> "	3'1 <sup>5/8</sup> "	3'7 <sup>5/8</sup> "
D	6'6"	7'0"	8'0"	7'0"	8'0"
E	6'9"	7'3"	8'3"	7'3"	8'3"

## Basic Use

The TQM Manual 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 TQM consists of three or four door wings, 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.

The door wings are attached to the center shaft with precision-engineered hangers and disks. There are two hangers per door wing, which mount to the two disks on the center shaft and allow the door panels to be held in position with a preset tension. The hanger and disk assembly also allows each door wing to be panicked, or folded, outward to allow for emergency egress.

The hydraulic speed control attached to the center shaft in the ceiling prevents the doorset from being pushed at a faster rate than the preset RPM. The preset RPM for each door is based on door size and is regulated by local and national building codes.

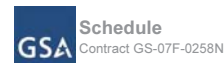
The TQM is manufactured from anodized aluminum extrusions. Optional finishes include: painted or powder-coated aluminum, stainless steel and brass cladding.

Standard glazing includes 1/4" clear tempered safety glass, both in the door wings and the curved sidewalls. Tempered glass provides a tough surface strength which reduces the chance for glass breakage. As an option, 7/16" laminated safety glass is available in the curved sidewalls.

Locking of the door wings is accomplished through surface-applied slide-bolt locks. For added security, the TQM can be manufactured with optional fail-safe, electric locking which can tie into the building alarm system and can release for emergency egress. The optional sliding night doors give the ability to close and lock the exterior opening of the TQM.

As another option, recessed ceiling lights can provide a brighter passage through the TQM (requires a 110V electrical service to the ceiling).

A dust cover is included as a standard feature. Dust covers with matching finish or water resistant covering are also available.



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