

# THT-100T Tandem Turnstile



## Space-saving double gate turnstile

Boon Edam's double gate or tandem turnstiles combine the functions of two single rotor turnstiles into one unit. The intermeshing of the left and right-hand rotors reduces the overall width from ten feet, for two single turnstiles, to eight feet with no loss in passage space. A seven-foot wide version is also available for extra small applications.

The construction of all double gates matches our single rotor turnstiles and includes galvanized or powder coated steel, anodized aluminum or complete stainless steel. The fully-welded middle-barrier is included with all 3 rotor section turnstiles in order to prevent entry through the middle section.

Each rotor can be supplied with up to four control points, two entries and two exits, and electrical operation in one of two directions. Any combination of fail-lock or fail-safe is available.

*'The full function of two turnstiles, within only 8 feet'*

# Construction

- Each turnstile consists of two independent rotors. A total of four separate control points are available. Rotors can be 3 sections (120 degrees apart) or 4 sections (90 degrees apart).
- Available in 96" width (offers same passage width as a single rotor turnstile) or 84" width (reduces passage width by only 2 inches).
- Designed to withstand tough conditions, all materials used in fabrication meet ASTM standards
- Open construction shield assembly design eliminates "claustrophobic" effect and increases visual security
- Sealed top and bottom bearings ensure free and easy rotation, even in challenging environments; sealed-thrust type bottom bearing is waterproof, dust proof and self-lubricating
- Maximum open space is 5½" (too close to allow "crawl-through")
- Standard self-centering feature automatically returns rotor assembly to home position after each pass, regardless of force used to pass through

# Features & options

Characteristics	Std	Opt
Fail-lock or Fail-safe [for electrical direction(s)]	•	
Free or Locked Exit [for mechanical direction]	•	
Pulse Relay	•	
Time-Out Relay	•	
Complete Stainless Steel Construction		•
Rotation Detection Switch		•
Remote Pushbutton		•
Hydraulic Speed Control		•
Key Bypass*		•
Home Position Switch		•
Red & Green Indicator Lights		•
Heel Protectors		•
Card Reader Box		•
Custom Powder Coated Color (RAL ref) Choices		•
Out-of-Use Lock		•
Rotor Covers		•

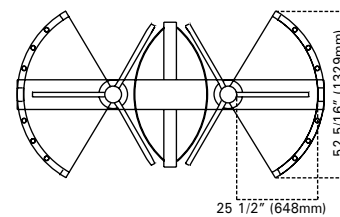
\*Key Bypass is standard with a Fail Lock configuration.

Model	Description
THT-100T (3)	Three rotor sections
THT-100T (4)	Four rotor sections
THT-100TC	Hot-dipped galvanized steel
THT-100TCP	Powder coated steel
THT-100TA	Anodized aluminum w/stainless steel arms
THT-100TS	All stainless steel

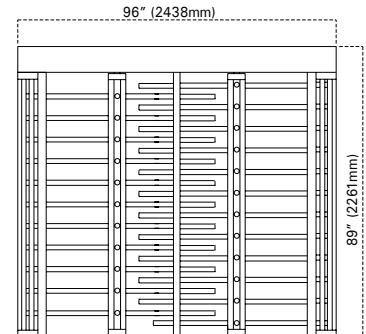
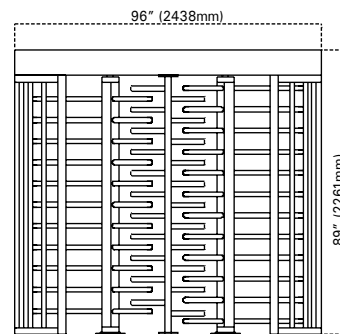
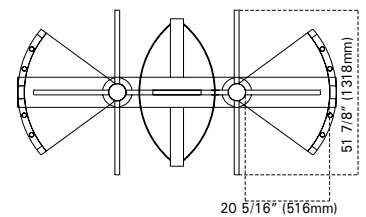
# Dimensions

Model	Height	Width	Depth	Interior Height	Shipping Wt.
THT-100T (3)	89"	96"	52 5/16"	81"	1300 lbs.
THT-100T (4)	89"	96"	51 7/8"	81"	1500 lbs.

THT-100T(3) FOOTPRINT



THT-100T(4) FOOTPRINT

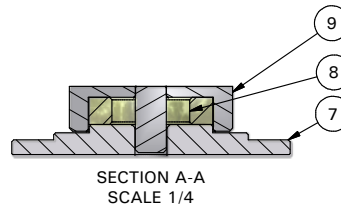
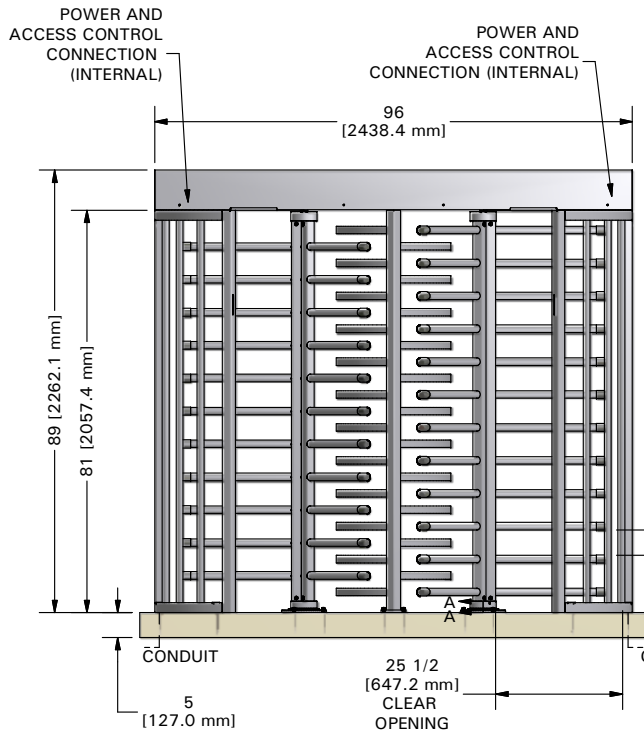
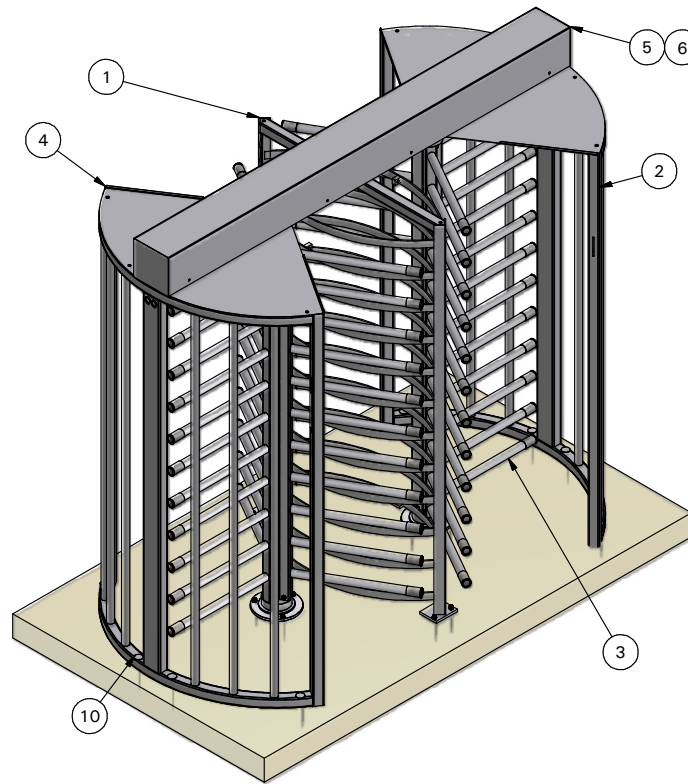
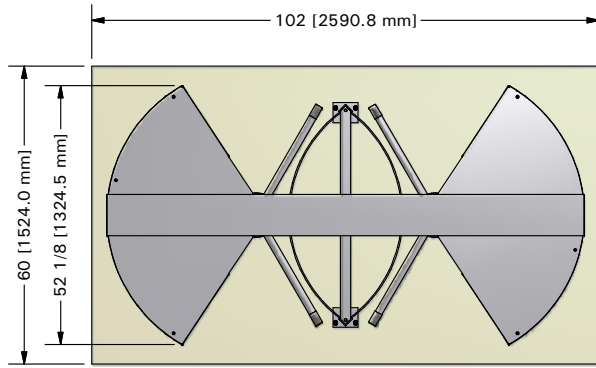


# Technical specifications

Power supply <sup>1</sup>	110 VAC (220 VAC optional), 50/60 Hz Converted to 24 Volt
Power consumption <sup>1</sup>	Less than 1 amp at 110 VAC
Working temperature	5°F to 110°F
Connection	The electrical full height turnstile communicates with most authorization systems using potential free contacts.

<sup>1</sup>Only for electrical models





**GENERAL NOTES:**

THT-100TC = 1 DIRECTION ELECTRICALLY CONTROLLED.  
 THT-100TC2 = 2 DIRECTIONS ELECTRICALLY CONTROLLED.  
 THT-100MTC = MECHANICAL UNIT.

GALVANIZED STEEL CONSTRUCTION.

MINIMUM PAD SIZE SHOWN. MUST BE LEVEL WITHIN 1/4".

ALLOW 8" [203MM] FOR REMOVAL OF LIFT-OFF COVER.  
 ALTERNATE COVERS AVAILABLE.

**ELECTRICAL NOTES:**

POWER SERVICE OPTIONS:

1. 24 VDC
2. 110 VAC SINGLE PHASE
3. 220 VAC SINGLE PHASE 50/60HZ
4. 220 VAC DUAL PHASE 50/60HZ

15A MAINS SERVICE REQ'D

4 LOCATIONS AVAILABLE FOR CONDUIT ACCESS.

AUTHORIZATION, FIRE ALARM REQUIRES DRY CONTACT  
 FROM ACCESS CONTROL.

**CODED NOTES:**

1. BARRIER ASSEMBLY, WELDED - GALVANIZED STEEL
2. SHIELD ASSEMBLY, WELDED (2) - GALVANIZED STEEL
3. ROTOR ASSEMBLY, WELDED (6) - GALVANIZED STEEL
4. CEILING PLATE (2) - GALVANIZED STEEL
5. MECHANISM CHANNEL - ALUMINUM (N.S.C) OR STEEL (S.C.)
6. CHANNEL COVER - STAINLESS STEEL
7. BASE PLATE - ANODIZED ALUMINUM
8. BOTTOM BEARING
9. BOTTOM FLANGE
10. ANCHOR BOLTS (18), PROVIDED

