

## **SPECIFICATIONS FOR BOON EDAM TOMSED MODEL TUT-50T**

### **PRODUCT DESCRIPTION: BOON EDAM TOMSED MODEL TUT-50T**

#### **TOKNTAKR COIN OPERATED TURNSTILE**

### **SCOPE OF OPERATION:**

- A. The TUT-50T is designed for access or admission control into secure locations through the use of coins or tokens. The heavy duty powder coated cabinet construction and operating mechanism provide years of reliable and trouble-free service.
- B. The TUT-50T consists of an operating mechanism with an electronic coin comparitor, powder coated carbon steel pedestal with coin compartment and mechanism housing, stainless steel cover, arms and safety plate.
- C. Overall dimensions are 37" high, 7" wide, 18" long.

**MATERIALS:** All materials meet the ASTM standards as set forth by the materials industry.

- A. The operating mechanism consists of precision machined, interchangeable parts made out of high quality steel materials. No cast iron parts are used due to softness and excessive wear characteristics. All locking components are hardened to ensure long life and reliable service. Self-centering mechanism automatically returns arms to the basic position regardless of force used to pass through the turnstile. The rotation of the mechanism is cushioned by an aircraft quality hydraulic shock absorber.
- B. All mechanism components mount directly to the mechanism housing.
- C. An electronic coin comparitor validates deposited coins and allows entry when the proper coin or token has been provided.

- D. The pedestal is an open frame construction, manufactured from 3/16" carbon steel. The base plate is 1/4" thick carbon steel with three 1/2" mounting holes. A lockable, 16 ga. hinged door is included to provide access to the coin collection area.
- E. The mechanism housing is constructed from 3/16" carbon steel. The housing attaches to the pedestal by four 5/16" x 1" hex head bolts.
- F. The hub is made from machined aluminum, 5" in diameter, with openings for three arms 120 degrees apart. The hub is clear anodized to protect against oxidation and discoloring.
- G. Arms are fabricated from 1-1/4" dia., 16 ga. stainless steel tubing, type 304. Ends are spun closed, ground and polished smooth. No plastic caps are used.
- H. Mechanism housing cover fabricated from 16 gauge stainless steel, type 304.
- I. Stainless steel safety plate constructed from 16 gauge stainless steel, type 304.

**FABRICATION:**

- A. The operating mechanism consists of a hardened locking assembly and interchangeable precision fabricated parts using high quality steel materials.
- B. The ratchet is made of machined high quality steel, not soft cast iron or several thin, laminated ratchets as other manufacturers.
- C. Self-centering, sealed, maintenance free main bearing supports shaft and ratchet assembly.
- D. The operating mechanism contains all electrical components, including low voltage 24 VDC power supply, 110 or 220 VAC step down

transformers, coin comparator, reset system and access control interface.

- E.** Mechanism housing, pedestal and stainless steel cover have rounded edges to prevent injury.
- F.** All exposed fasteners are concealed by smooth stainless steel safety plate.
- G.** Stainless steel cover is equipped with two security cam locks to prevent tampering.
- H.** The mechanism housing and pedestal each contain the necessary chutes, brackets and coin return to allow proper operation.

#### **FINISHES:**

- A.** All fabricated components of the operating mechanism are yellow cadmium plated to ensure long life and prevent oxidation and discoloring.
- B.** The mechanism housing and pedestal are painted with a durable, baked on black texture powder coating, not a fragile, air dried enamel. Other colors are available. Optional construction is type 304 stainless steel.
- C.** All stainless steel items are polished to a #4B finish.

#### **OPERATION SPECIFICATION:**

- A.** The locking and unlocking of the turnstile is accomplished by use of a low voltage, 24 VDC, system. Activation is via a momentary, isolated normally open dry contact closure provided when a valid coin or token is deposited into the turnstile coin slot.
- B.** Electrical controls may be fail-safe or fail-lock. A free or locked exit may be added with no impact to cost or entry operation.
- C.** Once a direction of passage is opened, it will remain open until the user proceeds through to the other side of the turnstile and the reset system

automatically re-locks the turnstile and readies it for the next user.

- D.** Turnstiles are automatically equipped with mechanical registers to count in entrance direction. Resettable registers are available.
- E.** Standard operation uses one individual coin or token to release the turnstile for one entry cycle. Multiples of the same coin or token may be used to release the turnstile by adding the coin accumulator option. For example, if a quarter is the coin and the desired fare is 75 cents, the coin accumulator is set to require 3 coins before opening.
- F.** Multiple coin acceptance with programmable vend values are also possible by using a Multi-Mate coin acceptor which allows up to 5 distinct coins or tokens.

**AVAILABLE OPTIONS:**

- Coin accumulator for 1-10 multiples of the same coin
- Multi-coin operation for up to 5 different coins
- Red and green indicator lights
- Extended arms for larger aisleway
- Remote release pushbutton
- Rotation detection switch
- Foam rubber arm guards
- Key override
- Portable operation with platform, railing and wheels
- Color of choice