

## MT Turnstile

### **Product Name**

Four-Arm Manual Turnstile – Model MT

### **Manufacturer**

**Alvarado Manufacturing Co., Inc.**

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**Product Description:** The MT Turnstile is the industry standard for four-arm turnstiles. Suitable for use in supermarkets, libraries, retail stores, amusement parks and schools, the MT offers easy customer access and significant protection against wrong-way traffic. The turnstile's horizontal arms require less than 1 lb. of pressure to move and a no-slip clutch provides smooth, silent, single direction rotation. The clutch is set for clockwise rotation when shipped with the option to switch to counter-clockwise direction if desired.

**Materials:** All materials meet the appropriate ASTM Standards.

### **Mechanical Components:**

- The **Turnstile Head** is a 3-1/2" diameter by 3/8" thick cold rolled steel tube drilled to accept the four turnstile arms. The arms are fit into the head and welded from the back. The turnstile head is sealed at one end with a snap fitted steel cap. A hole on the Turnstile Head is provided with a set screw to secure the Turnstile Head in place.
- The **Clutch Assembly** is a one way clutch utilizing three clutch rollers, three clutch springs, and a clutch roller spring. The rotation direction of the clutch can be reversed by inverting the clutch assembly.
- The **Arms** are constructed of 1.5" OD x 16 gauge steel tubing. The arms are sealed at one end with a steel end cap, welded and ground smooth. A 20" passage width is created when the arms are fit into the clutch assembly within the turnstile head.
- The **Turnstile, Yoke and End Posts** are 2.25" OD tubes made from 16-gauge cold rolled steel with a 5.5" diameter flange at the base with anchor holes. One rail outlet is attached to the turnstile and End Posts for the horizontal connecting rail.
- The sleeved **Yoke Arms** are constructed from 1.5" OD tube, 16-gauge cold rolled steel tubing. The Arms are fully welded to the center sleeve which is bolted to the vertical post. The Arms are bent along a 21" radius.

- The **Horizontal Rail** is a 1.75" OD tube made from 16-gauge cold rolled steel. Necessary mounting equipment is provided.

**Finishes:** The MT Turnstile is available in the following finishes:

- **Stainless Steel** – All external fabricated materials are composed of #304 stainless steel and polished to a #4 satin finish.
- **High Polished Chrome** – All external fabricated materials are composed of cold rolled chrome plated steel and mirror polished.
- **Powder Coat** – All external fabricated materials are composed of cold rolled steel and powder coated in one of many available colors.

**Size:** The MT Turnstile has an overall width of 51 1/2" and an overall height of 37 1/4". The MT Turnstile provides a 20" passage width.

**Shipping:** The MT Turnstile is shipped ready for assembly. Each turnstile includes hardware to mount the Turnstile Head, Yoke, and Horizontal Rail to their associated posts. Alvarado ships products throughout the world.

**Installation:** All MT Turnstiles must be installed on level concrete. Installation should be performed by a skilled installer following the manufacturer's directions and instructions supplied with the product.

**Options:**

The following are options available for the MT Turnstile:

- **Tandem Configuration** – Uses space more efficiently in areas where it is restricted.

**Warranty:** Alvarado Manufacturing Co., Inc. warrants the MT Turnstile from defects in material or workmanship, for the period of ONE YEAR from date of shipment. Complete details of the warranty are available from Alvarado by request.

**Technical Services:** Technical information is available from Alvarado Mfg. Co., Inc., and its representatives, distributors and dealers.