

W Turnstile

Product Name

Three-Arm Waist High Turnstile – Model W

Manufacturer

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Product Description: The W Turnstile is a manual, three arm turnstile designed to provide pedestrian traffic control in one direction of travel.

Materials: All tubing and sheet metal materials meet the appropriate ASTM Standards.

Components:

- The **Turnstile Head** is a 3 1/2" OD x 3/8" thick cold rolled steel tube drilled to accept the three turnstile arms. The arms are fit into the head and welded from the back. The turnstile head is sealed at one end with a steel cap, welded and ground smooth. The following are the main components contained within the W Turnstile Head:
 - a. **Clutch Assembly** – The Clutch Assembly is a one way clutch utilizing three clutch rollers, each with a clutch spring. The rotation direction of the clutch can be reversed by inverting the clutch assembly.
 - b. **Grooved Cam** – The Grooved Cam is constructed from zinc plated cold rolled steel. The grooved cam slides against the clutch and allows the turnstile arms to rotate properly.
- The **Arms** are constructed of 1.5" OD x 16 gauge steel tubing. The arms are sealed at one end with a steel cap, welded and ground smooth. A 15" passage width is created when the arms are fit into the clutch assembly within the turnstile head.
- The **Turnstile Cover** is constructed of red brass and chrome plated.
- The **Turnstile Post** is a 2.25" OD tube made from 16-gauge cold rolled steel with a 5.5" diameter flange at the base with four (4) anchor holes. A base cover is included with each post.

Finishes: The W Turnstile is available in the following finishes:

- **High Polished Chrome** - All external fabricated materials, except for the cover, are composed of cold rolled chrome plated steel and mirror polished. The cover is chrome plated red brass.
- **Stainless Steel** – All external fabricated materials, except for the cover, are composed of #304 stainless steel and polished to a #4 satin finish.
- **Powder Coat** – All external fabricated materials are composed of cold rolled steel (except for Turnstile Cover, see above) and powder coated in one of many available colors. Note: Although powder coating is available on the turnstile head and arms, it is discouraged because it is not as durable as other finishes.

Size: W Turnstiles have an overall height of 41 7/16” from the floor to the top of the turnstile cover and an overall width of 37 3/8” from the outside edge of the turnstile post flange to the end of the turnstile arm. The arms extend 17” from the edge of the turnstile head.

Shipping: W Turnstiles are shipped in two main sections: the head and arm assembly, and the post. Each section is fully fabricated as a sub-assembly for easy installation. Each turnstile includes hardware to mount the turnstile head to the post. Alvarado ships products throughout the world.

Installation: All W Turnstile units must be installed on a firm foundation of level concrete. Installation should be performed by a skilled installer following the manufacturer’s directions and instructions supplied with the product.

Options:

- **Tandem Configuration** – the WJ model turnstile saves space when multiple turnstiles are required by providing two turnstile heads on a common Turnstile Post. The overall width of the WJ from the end of one turnstile arm to the end of the other is 53 1/2”.
- **Straight Yoke w/ Post** – includes straight Yoke arm sleeve mounted on a 37” Vogue style post.

Warranty: Alvarado Manufacturing Co., Inc. warrants the W 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.