



Specifications for 3000-HGSST

7' HIGH FULL SECURITY TURNSTILE



SCOPE OF OPERATION

- The 3000-HGSST is used to permit unsupervised exiting/entry. The units will allow one or two way passage. Complete stainless steel construction is best suited for interior and exterior applications.
- The 3000-HGSST consists of rotor assembly, barrier section, mechanism housing and ceiling plate.
- Standard overall dimensions are 90" high, 93.25" wide, and 56" deep.
- Designed for areas that require two turnstiles but space is not available

MATERIALS

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

- The rotor assemblies consist of a 3" diameter 1/4" thick tube with arms attached.
- All arms are 1 1/2" round 11 ga. Stainless steel tubing, type 304. Each arm has a rounded and spun closed, ground and polished end. Arms are mechanically fitted over solid 1 3/8"x6" spigot. No welds.
- The shield assembly is constructed from three horizontal stainless steel channels 5/16" thick with 9 vertical 1/4" stainless steel tubes.
- Heavy duty top bearings are provided for ease of rotation and to support a maximum vertical load of 1500 lbs.
- The mechanism plate is constructed from a 3/8" steel plate. All mechanical components are attached to the 3/8" steel plate.
- The ceiling plate, fabricated from 5/16" ga. steel, attaches to the mechanism housing plate and spans the shield assembly, providing stability and support.
- The mechanism consists of 1" thick delrin cam which requires no lubrication. 1" thick ratchet and indexing plate, hardened 56 rockwell for long lasting durability. All pivot points have oil impregnated bushing for low maintenance.

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FABRICATION

- The rotor assembly consists of three rotors, each containing 11 arms spaced equally 5 1/2" apart. Each rotor post is set at a position 120 degrees apart from each other. Each arm is attached to the rotor posts with a 1 3/8" solid spigot. Rotors are then bolted to the upper and lower bearing assemblies, thereby providing a full mechanical construction.
- The barrier consists of a barrier post and 11 arms equally spaced at an offset to the rotor assembly. Arms are attached mechanically over 1 3/8" x 6" solid spigots

FINISHES

- All stainless steel parts shall be polished to a #4B finish.

OPERATION

- All turnstiles will allow only one or two way rotation. The direction is set during fabrication.
- Change of direction is possible after field installation.
- All models include hydraulic speed control and self -centering rotation control.
- 24VDC operating system
- Control board in head of unit
- Activation for each direction is achieved by supplying a dry contact input or 12vt pulse either through a push button or access control software. Adjustable time out if turnstile arms are not rotated.





Specifications for 3000-HGSST

OPTIONS

- Fail secure, fail safe is standard for all turnstiles
- Card reader mounting plates
- 220V, 50-60 Hz power supply
- Indicating lights red/green
- Push button override
- Electronic counter
- Out of service lock
- Powder coated finishes
- Galvanized finish

TEMPERATURE RANGE

- -40°c TO +50°c

IP RATING

- 65





Specifications for 3000-HGSST

ELEVATION DIAGRAM

