

**RIZON**

## HELIOS 100

Full Height Turnstile

### Common Applications

- Perimeter control and fence line security
- Time and attendance integration
- Employee and visitor access control
- Unmanned point of entry
- Single-direction control / one-way exiting
- Inside and outside locations

The Rizon Helios 100 Full Height Turnstile is designed to provide the best, and most secure entry/and or exit solution suited for your needs. With a steel construction, this product is durable, but also long lasting. Available in 2 configurations (Single and Tandem), this design features everything you would expect from a full height turnstile designed to stand the test of time. The finish can be customized using one of our Rizon standard or custom color selections. Galvanization is also available, and recommended for outdoor installations.



## TECHNICAL SPECIFICATIONS

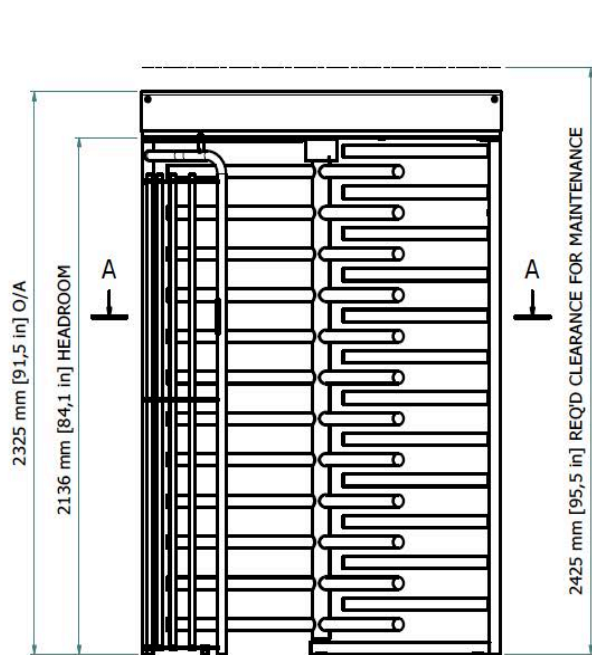
POWER	110 Volt AC	
FREQUENCY	50Hz / 60Hz	
POWER CONSUMPTION (STANDBY)	0.25W (single turnstile)   0.5W (tandem turnstile) - fail-secure mode	
POWER CONSUMPTION (STANDBY)	50W (single turnstile)   100W (double turnstile) - fail-safe mode	
SOLENOID VOLTAGE	24 Volt DC (12 Volt DC on request)	
LOGIC VOLTAGE	24 Volt DC	
DIMENSIONS	Single turnstile:	<ul style="list-style-type: none"> <li>62 and three sixteenths inches wide x 91 and a half inches high</li> </ul>
	Tandem turnstile:	<ul style="list-style-type: none"> <li>97 inches wide x 91 and a half inches high</li> </ul>
ROTOR DIAMETER	31.1 inches	
ROTOR ARM CONFIGURATION	3 arm (120°)   4 arm (90°)	
ROTOR ARMS	1 and fifteen sixteenths inch diameter tube arms spaced 4 and three quarters inches apart	
WEIGHT	Single turnstile (4 arm): 352 LBS   Double turnstile (4 arm): 562 LBS	
DESIGN	Modular bolt-together design for ease of transport and installation. Components can pass through a standard door. Can be packed in broken-down form either onto a pallet or into a crate for transport. Flat pack version allows for greater space saving during transport.	
SYSTEMS INTEGRATION	<ul style="list-style-type: none"> <li>Integrates with all access control and time &amp; attendance systems</li> <li>Unlocking for entry / exit rotation controlled through normally open dry contact</li> <li>Transaction / rotation complete output</li> <li>Integral wireways with draw wires in place - no exposed wires</li> </ul>	

## MANUFACTURING OPTIONS

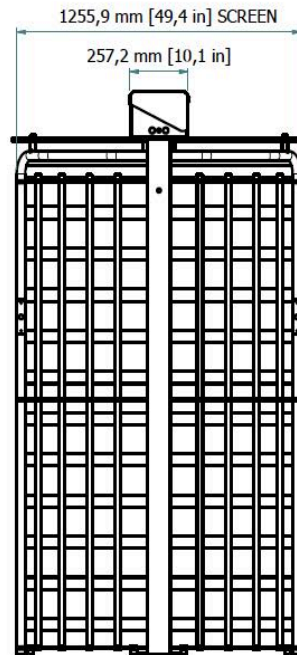
ROTATION OPTIONS	<ul style="list-style-type: none"> <li>Electrically controlled bi-directional rotation (factory standard)</li> <li>Mechanically controlled uni-directional rotation by means of key override</li> <li>Free rotation</li> </ul>
LOCKING OPTIONS	<ul style="list-style-type: none"> <li>Fail-secure auto-lock on power failure (factory standard)</li> <li>Fail-safe auto-unlock on power failure</li> <li>Each direction of rotation configurable for either fail-secure or fail-safe operation</li> </ul>
FIRE ALARM OPTIONS	Free rotation when triggered indefinitely
POWER OPTIONS	<ul style="list-style-type: none"> <li>Battery backup with two 12 volt 7Ah batteries connected in series</li> <li>Solar panel with charge controller and battery system</li> </ul>
SPECIAL PHYSICAL DESIGN OPTIONS	<ul style="list-style-type: none"> <li>Restrictor tubes for increased security (4 arm turnstile only)</li> <li>180° rotation setting for extra walkthrough space (4 arm turnstile only)</li> <li>Special narrow single turnstile design for 29 inch wide opening</li> <li>Special split cover for low ceilings</li> <li>Special internal mechanism dust cover for dirty environments</li> <li>Heavy-duty base for portability (with forklift channels)</li> </ul>
ACCESSORY OPTIONS	<ul style="list-style-type: none"> <li>Card / proximity reader mounting bracket</li> <li>Biometric / fingerprint reader mounting brackets</li> <li>Single / double pushbutton in plastic housing</li> <li>LCD transaction counter with reset key switch</li> <li>Random search device</li> </ul>
FINISH OPTIONS	<ul style="list-style-type: none"> <li>Mild steel with UV resistant polyester exterior powder coat finish (charcoal blue hammertone)</li> <li>Mild steel with hot dip galvanised finish</li> <li>304 grade brushed stainless steel</li> <li>316 grade brushed stainless steel</li> </ul> <p>suitable for highly corrosive environments (details available on request)</p> <p>custom colors upon request</p>



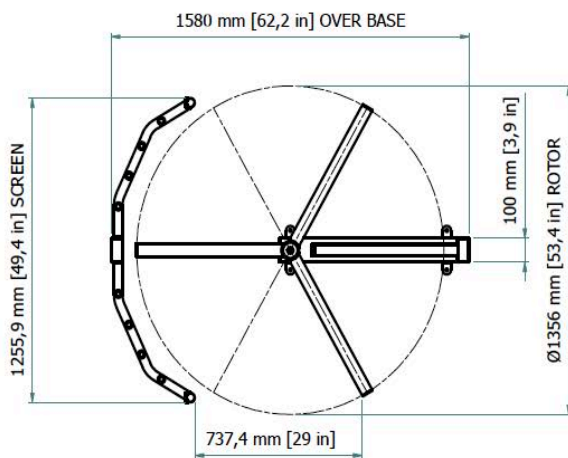
# HELIOS 100 DIMENSIONS



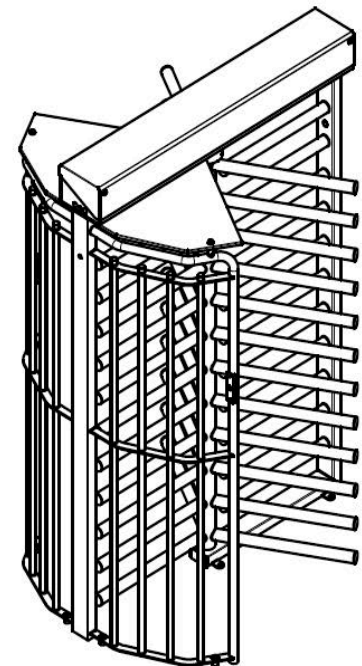
FRONT



SIDE (L)



SECTION: A-A



ISOMETRIC (TL)

