

**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 engineered to provide a secure, reliable entry and exit solution for a wide range of applications. Built with rugged all-steel construction, the Helios 100 is designed for long-lasting performance and dependable security in demanding environments. Available in both Single and Tandem configurations, the Helios 100 delivers the durability, functionality, and flexibility you expect from a full-height turnstile built to stand the test of time. Finish options include galvanized, and powder coated steel as well as custom color choices to meet specific site or branding requirements. For additional peace of mind, the Rizon Helios 100 is backed by Rizon's 3-Year Warranty, helping protect your investment.

## 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°)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                   |
| ROTOR ARMS                      | 1 and fifteen sixteenths inch diameter tube arms spaced 4 and three quarters inches apart                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                   |
| WEIGHT                          | Single turnstile: 352 LBS   Double turnstile: 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>                                                                                                                           |                                                                                                                   |
| 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</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                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                   |
| WARRANTY INFORMATION            | Three year warranty (includes part replacement)                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                   |
| 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               | Card reader mounting brackets included.                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                   |
| 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 and may add additional lead time</p>                      |                                                                                                                   |



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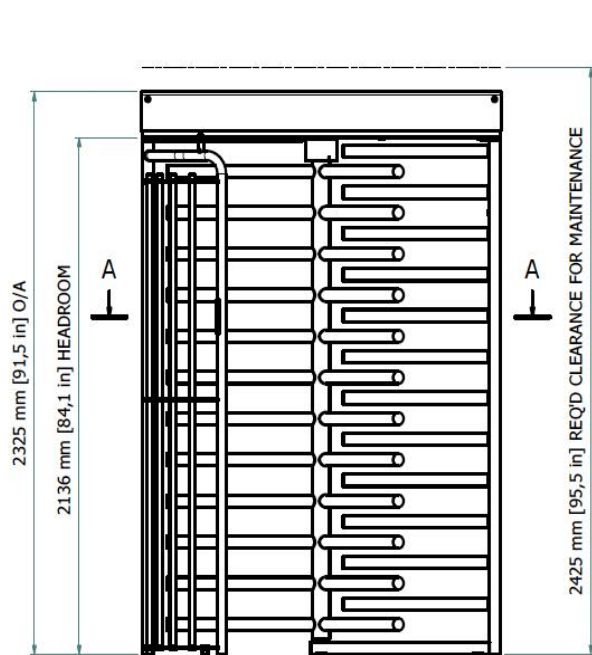


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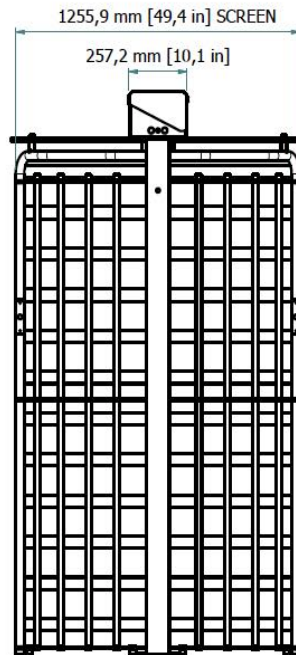


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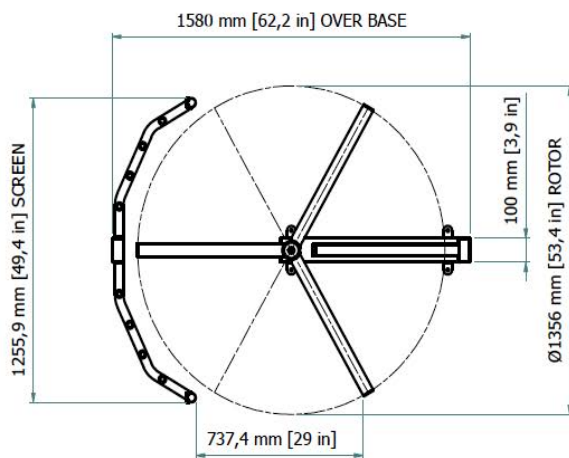
# HELIOS 100 DIMENSIONS



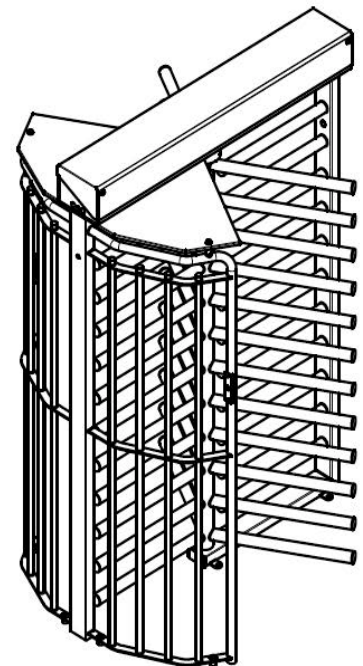
FRONT



SIDE (L)



SECTION: A-A



ISOMETRIC (TL)



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