



STARTING GATE FOR CYCLING TRACK

Overview

Automatic Starting Gate releasing the rider's wheel at the start signal.

The Starting Gate has been designed and developed by Swiss Timing in collaboration with the International Cycling Union (UCI).

The system is used by Swiss Timing and UCI official timekeepers worldwide.

It is used at cycling events such as Individual and Team Pursuit, 500m time trial, kilometre time trial and team sprint.

When linked to the Tracker countdown start device, they ensure a fully automated start sequence. After a programmable countdown time with audible signals, the Tracker perfectly synchronises the start signal with the timing system, the opening of the Starting Gates and the starting sound.

The Starting Gate may also be used as a stand-alone training unit using a manual trigger.

Swiss Timing Starting Gates are homologated by the UCI for national and international competitions.

TOP FEATURES

- A-Shape support ensuring security and stability
- Quick and easy removal after the start
- Adjustable feet to suit the track angle
- Designed to suit any type and size of bicycle





The stability of the starting gate allows the athlete to await the start signal whilst seated on the cycle, allowing the athlete to concentrate on the race start.

A A-shaped support at the level of the seat tube ensures the security and stability of the athlete.



On one side, two rubber bases keep the contact with the track floor when the gate is installed. The bases are complemented by two wheels, allowing quick and easy removal from the racing track.

FEATURES

- Two pneumatic actuators grip the cycle's rear wheel with a pressure of 4.5 to 6 bars. The pneumatic energy is provided by a bottle of gaseous nitrogen at a pressure of 200 bars.
- On the other side of the Starting Gate, the two feet are screw-adjustable, allowing the starting gate to be levelled to suit the angle of any Velodrome track at the start line throughout the world.
- Numerous quick release, adjustable devices allow the Starting Gate to be quickly adjusted to suit any type and size of bicycle.
- An adjustable pressure reducer provides the service pressure of 4.5 to 6 bars required for the actuators.



SPECIFICATIONS

Article number	3358.600
Dimensions	1110 x 800 x 1000 mm (LxWxH)
Weight	60.2 kg
Service pressure	4.5 to 6.0 bars
Supply pressure	200 bars
Working temperature	0° to +50°C
Storage temperature	-10° to +35°C
Protection	IP51
Certification	CE and RoHS compliant

BOTTLES SPECIFICATIONS

Recommended gas	N2 (nitrogen)
Bottle length	up to 70 cm
Diameter	up to 15 cm (recommended: 10 cm)
Bottle capacity	2 to 10 liters (recommended: ~4 liters)
Fill pressure	200 bars
Hose diameter	5.5 mm internal 8 mm external

- This type of nitrogen is recommended for its auto-lubricating and anti-corrosive properties, thus protecting the actuators.
- A bottle of 3.8 liters of N2 loaded at 200 bars and providing a service pressure of 4.5 bars allows more than 1600 starts until a bottle refill is required.

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