

Rekortan®

Smart◀



REKORTAN SMART

THE WORLD'S FIRST *INTELLIGENT* RUNNING TRACK.

HIGHLIGHTS

- Available exclusively in SportGroup athletic surfaces
- Sophisticated training tool and performance insights
- Intuitive design and auto-recognition – no set-up or dismantling required
- No limit to the number of athletes who can train at the same time
- Weather-resistant and durable

Rekortan®
powered by **sportgroup**
THE SURFACE SPECIALISTS

Trevor Merkosky, CSCS

Sales & Technical Support

Mobile: 724.317.1373

Email: merkosky@advpolytech.com

www.rekortan.com | @RekortanSpartan

REKORTAN SMART

THE INTELLIGENT TRACK FOR ATHLETES AND COACHES
WHO WANT TO KNOW MORE



Rekortan Smart systems provide effortless and precise data logging thanks to their built-in time recording systems. Data, such as running time, step frequency, step length, step quantity and more, are measured effortlessly and precisely. Athletes can either run with the free Rekortan Smart app, or with the Rekortan Smart system belts and software for more robust performance diagnostics.

Rekortan Smart provides athletes and coaches with the perfect solution for increasing effectiveness and efficiency during training.

Timing gates are available for Rekortan Smart synthetic surfaces. Rekortan Smart provides the measuring and server solutions.

Professional Performance Log

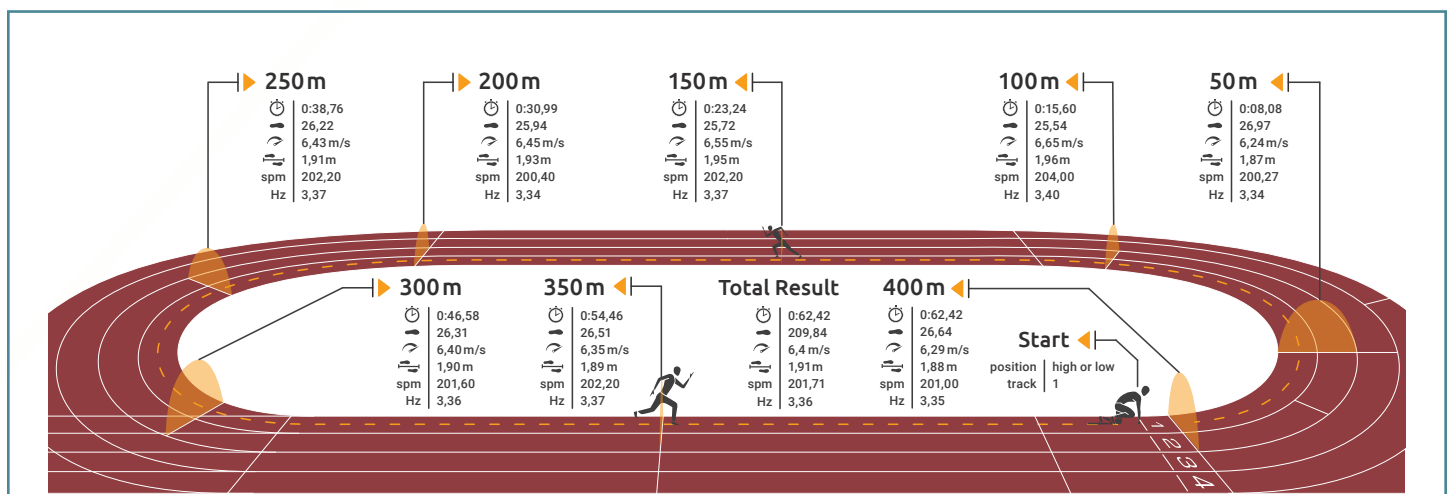
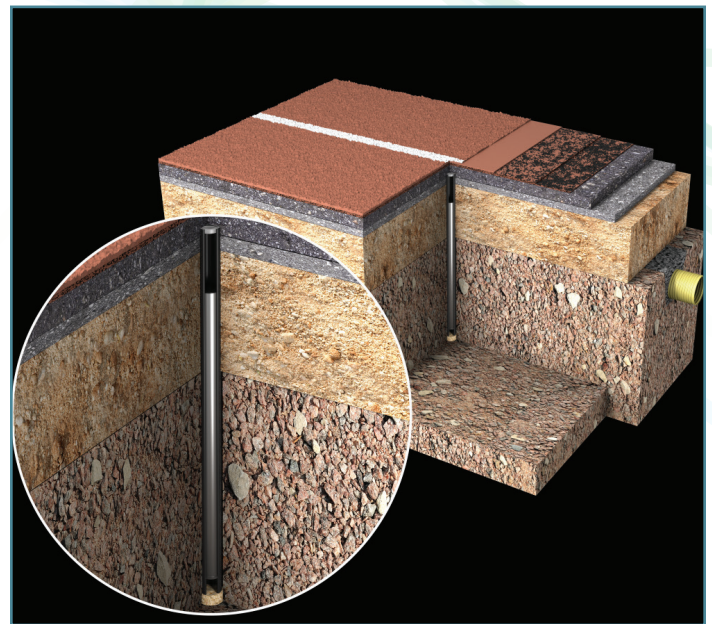
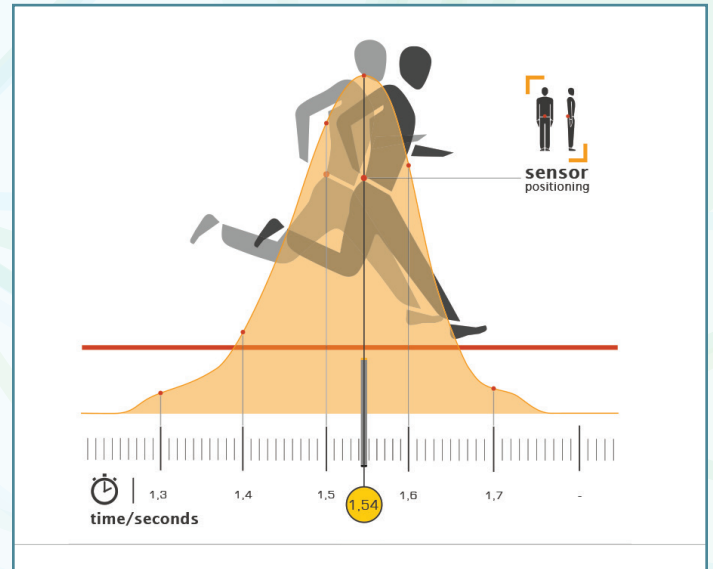
- Running and interval times
- Distance
- Step frequency
- Step number

Intelligent Coaching

- Analyzing training level
- Identifying performance reserves
- Improving performance
- Preventing injuries

Innovative Technology

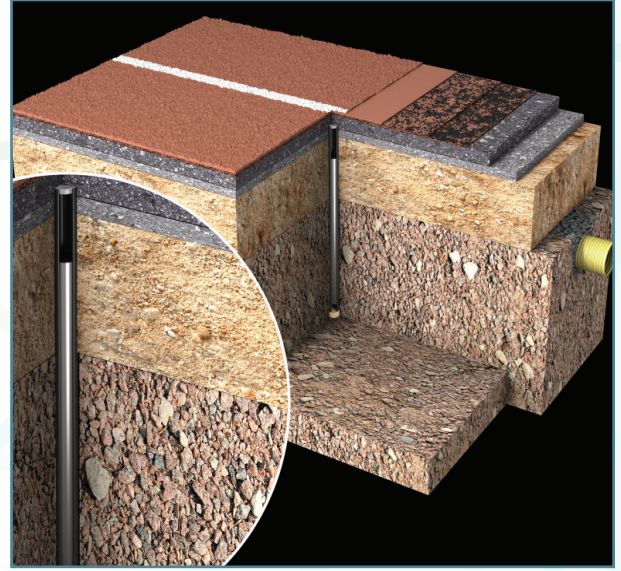
- Fabric-based measurement sensors
- High-quality magnetic gates
- Time measurement system built into the track



TECHNICAL DATA SHEET



Belt and Data Recorder Worn by the Athlete



PRODUCT DESCRIPTION

Rekortan Smart systems provide effortless and precise data logging thanks to the built-in time recording systems. Data points are recorded automatically on a sensor carried by the athlete for every lap of the track they make. Rekortan Smart consists of a sensor (waist belt with integrated electronics), permanently installed timing gates and analysis software. A smartphone app is also available.

REKORTAN SMART DIAGNOSTICS SOFTWARE

Rekortan Smart Diagnostics software offers three modules that can be used individually or in combination to measure athletic performance: the Running and Sprint Module, the Tapping Module, and the Jump Module.

RUNNING AND SPRINT MODULE

The Running and Sprint Module records exact measurements in endurance runs and linear sprints. The data recorded include running time, distance, step frequency and step count, which gives an indication of the relative strength of the individual muscle systems.

TAPPING MODULE

The Tapping Module records cyclic muscle speed, which is an important predictor of sprinting ability, and provides data on sprinting ability and the power of the leg muscles.

JUMP MODULE

The Jump Module allows coaches and athletes to ascertain the power of the leg extensor muscles using the Standard Jump Test. In this test, the data from three types of jumps – the Squat Jump (SJ), Counter Movement Jump (CMJ), and the Drop Jump (DJ) – are recorded and analyzed by Rekortan Smart Diagnostics.



TIMING GATES

MAGNETIC ELEMENTS

- Length: 600 mm
- Diameter: 25 mm
- Permanently installed in the ground
- Quantity as required

GATES

- Individual sprint lane: 2 magnetic elements per gate
- Double sprint lane: 3 magnetic elements per gate
- An additional magnetic element for each additional track

INSTALLATION

The gates are fully sunk into the ground. The upper end is positioned no more than 25 mm under the surface. The gates are used as required. The recommended minimum distance between consecutive gates is 5 m (no less than 3 m). The recommended distance between the gates is 1.0 – 1.3m.

SET-UP

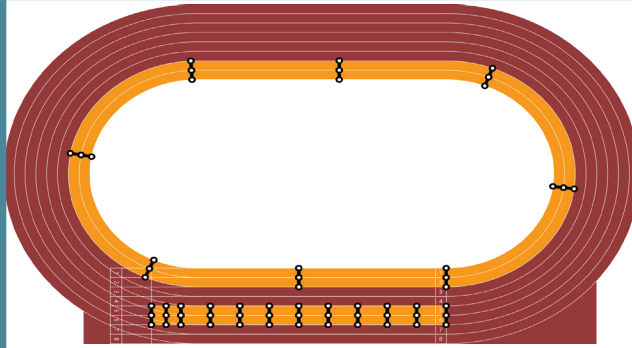
The gates should be installed in consultation with an architect and/or engineer and require bores in the running track to a depth of approx. 670mm. Once the gates are in place, nothing else needs to be installed for them to be used.

NOTES

The Rekortan Smart timing gates are magnetic. Iron or steel installations such as steel beams can impair the magnetic field of the timing gates. Please ensure a distance of at least 2 m is maintained. Keep sensitive objects such as credit cards and hearing devices away from the magnetic gates. If you have a pacemaker, please keep at least 10 inches/25 cm from the magnetic gates. A patent has been filed for the Rekortan Smart timing gates.

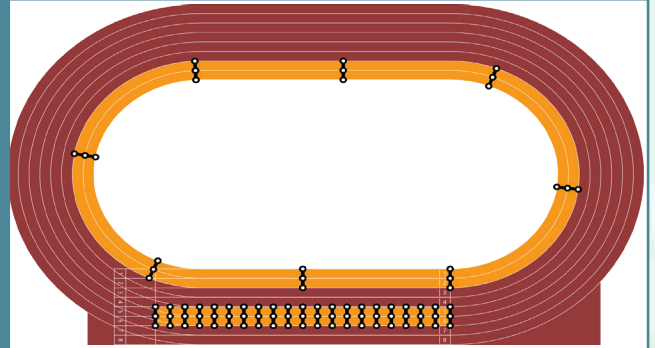
Rekortan Smart Layouts

PROFESSIONAL



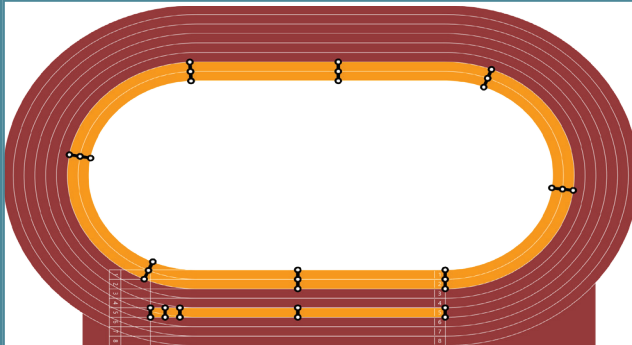
- Includes 40 timing gates: 60 magnets**
 400m Track - Lanes 1 and 2
 - Timing gates every 50m
 100m Track - Lanes 5 and 6
 - Timing gates at 0m, 5m, 10m, and every 10m until 100m

PROFESSIONAL PLUS



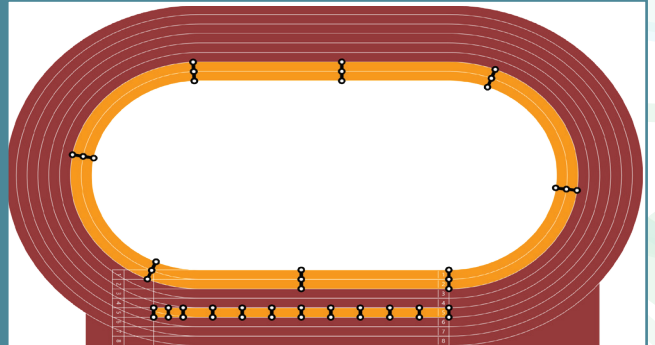
- Includes 58 timing gates: 87 magnets**
 400m Track - Lanes 1 and 2
 - Timing gates every 100 m
 100m Track - Lanes 5 and 6
 - Timing gates every 5m

PERFORMANCE



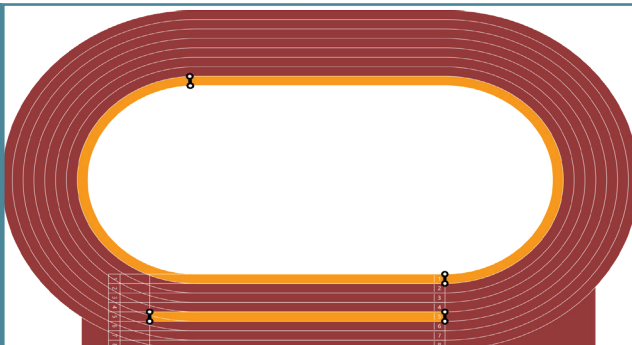
- Includes 21 timing gates: 34 magnets**
 400m Track - Lanes 1 and 2
 - Timing gates every 50m
 100m Track - Lane 5
 - Timing gates at 0m, 5m, 10m, 50m, and 100m

PERFORMANCE PLUS



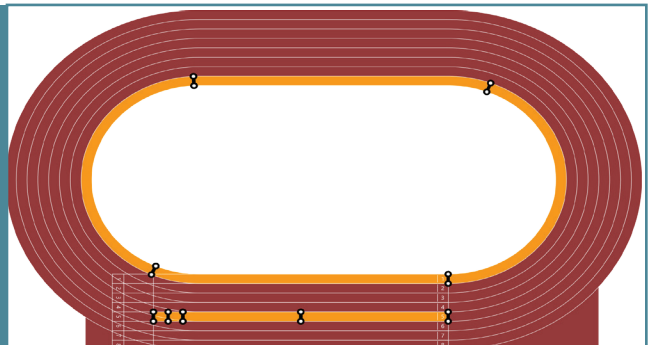
- Includes 28 timing gates: 48 magnets**
 400m Track - Lanes 1 and 2
 - Timing gates every 100 m
 100m Track - Lane 5
 - Timing gates at 0m, 5m, 10m, and every 10m until 100m

BASIC



- Includes 4 timing gates: 8 magnets**
 400m Track - Lane 1
 - Timing gates at start and 200m
 100m Track - Lane 5
 - Timing gates at start and finish

BASIC PLUS



- Includes 9 timing gates: 18 magnets**
 400m Track - Lane 1
 - Timing gates every 100 m
 100m Track - Lane 5
 - Timing gates at 0m, 5m, 10m, 50m, and 100m

All packages are fully customizable and include 4 sensors, 4 belts, and 1 software subscription.

Rekortan Smart

What can I evaluate?

Rekortan®
Smart












Rekortan Smart records key parameters with unparalleled precision:

- Running times
- Interval times
- Distances
- Speed
- Step frequency
- Step length
- Jump height
- Tapping frequency



What are the benefits?

Rekortan Smart in comparison to Laser Timing Gate systems:

Properties	Rekortan Smart	Laser Timing Gates*
Fixed measuring points- no set-up or dismantling required		
Water-proof & Vandal proof		
No barrier necessary for the diagnostic training areas		
No limit to the number of athletes who can train at the same time		
Diagnostics of steps, step frequencies, stride lengths		
Individual design		
Diagnostics without special diagnostic professionals		
Diagnostics of running times, Interval times and speed		
Diagnostics of long distances		

*Includes electric eye systems