sGate
Speedgate

**When speed, security, space
and safety are essential**

HERAS

The sGate was specifically developed by Heras as a functional solution to combine the operating speed of a barrier with the security levels of a gate. It is ideal for situations where the extra space required for conventional hinged or sliding gates is not available. The sGate opens and closes in a matter of seconds, thus providing quick controlled entry to a location whilst also locking it securely to prevent unauthorized vehicle or pedestrian access.

Available in three design variations, each with its own specific application area, Heras can supply a matching speed gate solution for almost any situation
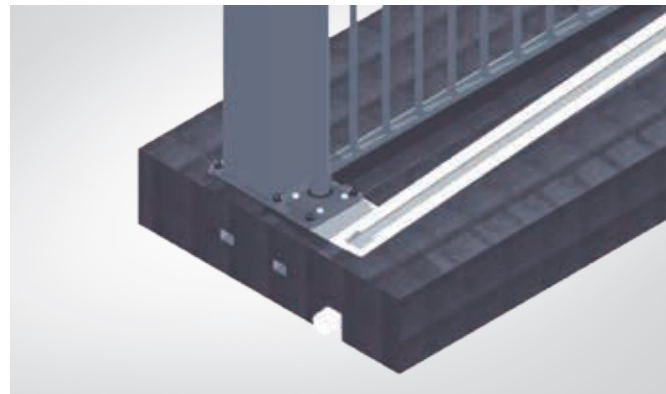
sGate bottom guided

When unrestricted opening height is important and/or the gate is frequently used for heavy vehicles. The full concrete foundation covers the entire opening width of the gate. This allows easy integration within concrete slab works and reduces the risk of fracture caused by constant HGV passage and associated load transfer. The gate can also integrate smoothly with most fence lines.

sGate top guided

When there is a specific height restriction (e.g. underground car parks) and/or a need for completely sealing the access opening to prevent intruders climbing over the gate.

sGate trackless

When unrestricted opening height is important and/or when a track in the road is inconvenient and may be subject to contamination by nature of the application (eg aggregate re-tailers and stockists, timber yards , waste handling centres) and the gate needs to integrate smoothly with the fence line. Also suitable for very wide passage openings (up to 8 metres).

State-of-the-art construction & design

All three sGate design variations are based on the same extremely robust and reliable platform. The drive columns, which carry the load of each gate leaf measure 220 x 220 mm and are constructed of high strength S355 quality steel. This provides a very stable base for the entire gate, even in more extreme conditions, such as windloads of up to 700 N/m2 (= Windclass 3). The drive units are positioned in the upper area of the columns and a patented double driveshaft mechanism is used to transmit the force of the powerful engines to open and close each gate leaf. This provides an optimal force distribution ensuring very smooth and low-wear operation (maintenance friendly).
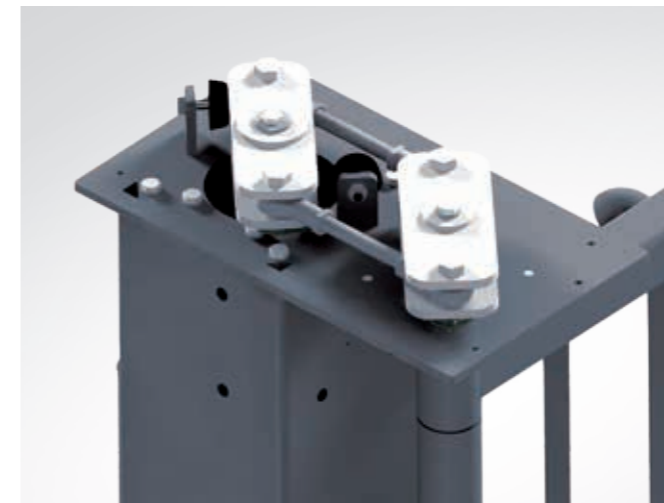
In addition, each gate leaf is equipped with heavy duty mechanically constructed stainless steel hinges in any color (as opposed to the more frequently used molded aluminum and/or bronze casted hinges). This minimizes the wear on these components, and increases the reliability and uninterrupted operation of your access solution. To ensure an absolutely smooth surface and an excellent overall appearance, every coated version of the sGate is provided with a double powder coating.

Uncompromised safety

The sGate series has been developed to fully comply with the latest standards and guidelines on safety (EN 13241). It is also tested on windload according to NEN-EN12424. Every sGate is equipped with 10 safety edges (4x vertical and 6x horizontal) and 2 sets of photocells. As standard each photocell set has its own channel making it impossible for the photocells to influence each other, thereby guaranteeing a correct operation. When a safety edge touches an obstacle, or the photocell detects an object in the gate's path, the gate will immediately stop and reverse. Before the gate starts moving, the control system first checks the status of the safety edges and photocell(s) to ensure there are no faults. The gate can only be opened and closed in hold-to-run-mode. Additional safety devices such as loop detection, traffic lights, flashing lights, sirens and extra photocells are available to further expand your speed gate solution.

Meet your needs

To obtain the desired functionality and appearance of your sGate, a large range of infills is available:
• 25x25 or 30x30mm vertical square bars
• 26mm vertical round bars
• Welded mesh / Zenith
• (Perforated) sheets
  (with option to include logo or individual design)

Overview of range

The following table provides an overview of the range of available height and free-opening width combinations for each of the three sGate design variations. The table includes the certified windclass for each combination (according to NEN-EN 12424).

Width (mm)	sGate Trackless 2000				2500				3000				sGate Bottom guided 2000				2500				3000				sGate Top guided 2000				2500				3000				3500				4000			
3000	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3500	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4000	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	-	3	3	3	-
4500	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	-	3	3	3	-	3	3	3	3	3	3	3	-	3	3	3	-	3	3	3	-	3	3	3	-
5000	3	3	3	3	3	3	3	2	3	3	3	2	3	3	3	-	3	3	3	-	3	3	3	-	3	3	3	3	3	3	3	-	3	3	3	-	3	-	-	-	3	-	-	-
5500	3	3	3	2	3	3	3	2	3	3	3	-	3	3	3	-	3	3	3	-	3	-	-	-	3	3	3	-	3	3	3	-	3	-	-	-	3	-	-	-	3	-	-	-
6000	3	3	3	2	3	3	3	-	3	3	2	-	3	3	3	-	3	-	-	-	-	-	-	-	3	3	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6500	2	3	2	-	2	3	2	-	2	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7000	2	3	2	-	2	3	2	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7500	2	3	2	-	2	3	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8000	2	3	-	-	2	3	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Bars
Pallas / Uni
Zenith / Perf. sheet
Full sheet / glass

3 = configuration complies to Windclass 3, conform NEN-EN 12424
2 = configuration complies to Windclass 2, conform NEN-EN 12424

Proven platform - proven reliability

Building on a huge installed base of automated gates, and our extensive in-house knowledge and experience in developing and maintaining automated gate solutions, we can state with full confidence that Heras stands for reliability.

The sGate platform has proven to be another example of this extreme reliability. This is also the case with the sGate platform, which has proven to be extremely reliable in recent years and that since 2012 the design variants, the lower conductor and the upper conductor have already been installed frequently at our customers.

More information about Speedgates: **export.heras.com/sGate**

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