

SG



GENERAL DESCRIPTION

Optima SG series sliding gates are designed for high traffic, military, commercial and industrial applications. The standard gate height is 2.4 meters. However, Optima can design and manufacture gates from 1.2 m to 3.5 m in height. The standard gate width is from 2 m to 10 m. The lower part of the gate is closed by sheet metal to a height 1 m upon which the “STOP” sign and yellow/black paint are applied. There are 2 or 4 polyamide rollers that keep the door vertical and position. Polyamide rollers have to reduce noise during operation. These rollers can be adjusted horizontally to keep the sliding gate exactly vertical. Buttresses are fixed to the ground by steel anchors.

The thickness of the hardened steel wheels is 60mm with an outer diameter of 150 mm. The wheels are connected to the gate structure by 10 mm plates. The sliding gate and the buttresses are painted to black and yellow. There is a “STOP” sign in the middle of the gate. When used with Optima ESGO4000, sliding gates with a weight up to 4000kg can be operated. With the help of the frequency controller any type of speed control like a slow start, fast linear motion and slow stop can be achieved. This facility brings increased vehicle passing capacity without losing any degree of security.

ENVIRONMENTAL CONDITIONS AND POWER REQUIREMENT

Between -15°C and +65°C, 95% non-condensing humidity; 220-240 VAC, monophase, 50-60Hz. (or 380V, three-phase, 50-60 Hz, 220V/440V/etc. optional by transformer).

STANDARD ACCESSORIES

- Flashing light.
- Galvanized steel rack.
- Safety photocell.
- Industrial type keyboard.

OPTIONAL ACCESSORIES

- Red/green traffic lights with steel pole.
- Dual vehicle safety loop detector.
- Safety edge sensor.
- Stand and casing for safety photocell.
- Anti-climb wire mesh.
- Hot dip galvanizing.
- Radio receiver & antenna.
- Radio transmitter.
- "STOP" sign, aluminum plate with mounting pole.
- Uninterruptable power supply (UPS).
- SCADA or any control system: It is possible to change and check the position of sliding gates with touch screen control panel, mobile devices (ios-android), computer, etc.

optima®

MAIN BODY MEASUREMENTS

