Tracked Gate M50
Perimeter Protection Germany GmbH

Technical Data Sheet

ASTM F 2656-07

PAS 68:2010

Design: Crash rated sliding gate on ground track with electro-mechanical drive unit, guiding portal, receiving portal and gate leaf consisting of bottom impact beam and top gate leaf panel.

Impact Kinetic Energy:
- ASTM F 2656-07: 1699 kJ (15,000 lbs @ 50 mph)
- PAS 68:2010: 1852 kJ (7.5 t @ 80 km/h)

Crash test certified according to ASTM F 2656-07 M50/P1 and PAS 68:2010 V/7500[N3]/80/90:0.0/4.3 (tested with 7.0 m CWO)

Clear Width of Opening (CWO):
- 3.0 m, 4.0 m, 5.0 m, 6.0 m and 7.0 m

Blocking Height: Gate height incl. 100 mm ground clearance: 2000 mm, 2500 mm and 3000 mm

Clear Width between Posts: Clear width of opening + 200 mm

Frame Width: Clear width of opening + 2308 mm

Gate Infill: Bar infill made of square hollow section SHS 30 with max. 120 mm clearance (standard), special infill on request

Ground Track: S10 to bolt onto top edge of foundation, top of rail 20 mm above finished floor level

Foundation Depth: 400 mm (shallow foundation)

Foundation Top Edge: 100 mm below finished floor level

Emergency Operation during Power Failure: Manually after disengagement of motor by clutch lever

Operating Speed:
- Normal operation: up to 0.4 m/s
- Emergency Fast Operation (EFO): up to 0.8 m/s (optional, only available for Non-European countries)

Drive: 1.5 kW, 400 V (three-phase), 50 Hz

Control Unit: WE-Tronic II in control box installed in drive column, control voltage 24 V

Supply Voltage: 400 V (3Ph + N + PE), 50 Hz

Control Box: H x W x D: 400 mm x 600 mm x 200 mm, IP66
# Applied Standards:
- DIN EN 13241 Industrial, commercial, garage doors and gates - Product standard, performance characteristics
- EC-Machinery Directive (2006/42/EC)
- EMC Directive (2014/30/EU)

## Weight:
Approx. 4710 – 6950 kg (depending on CWO and gate height)

## Colour (Standard):
- RAL 6005 – moss green,
- RAL 7016 – anthracite grey,
- RAL 7030 – stone grey,
- RAL 7035 – light grey or RAL 9010 – pure white

## Colour (Optional):
All other RAL colours or DB colours

## Colour Drive Column:
- RAL 7035 – light grey (standard)
  - In RAL colour of gate (optional)
  - All other RAL colours or DB colours (optional)

## Temperature Range:
- Control unit: -10 °C … +50 °C
- Drive unit: -20 °C … +40 °C (with power reduction up to +60 °C)