

## M50 Tracked Sliding Gate

The M50 Tracked Sliding Gate provides protection from vehicle based attacks and is therefore ideal for all critical infrastructure applications or other designated high risk areas with large openings. The robust sliding gate design with shallow foundations is manufactured from heavy gauge material and high tensile steel offering reliable operation and low maintenance.

### MAIN FEATURES

- Crash Tested and certified according to PAS 68:2013 & ASTM
- Tracked design suitable for frequent use applications
- High speed opening and closing
- Low maintenance
- Shallow foundation depth
- Tri-Protect® anti-corrosion protection coating

### Design

Crash rated sliding gate with ground track and electro-mechanical drive unit. Guide track and receiving posts. The gate leaf consisting of a bottom impact beam and top gate leaf panel.

### Impact Energy

1852 kJ (7.5 t @ 80 km/h) - PAS 68:2010

1699 kJ (15,000 lbs @ 50 mph) - ASTM F 2656-07

Crash test certified according to;

PAS 68:2010 V/7500[N3]/80/90:0.0/4.3 (tested with 7000mm CWO)

ASTM F 2656-07 M50/P1 (tested with 7000mm CWO)

### Clear Width of Opening

3000 - 7000mm in 1000mm increments

### Blocking Height

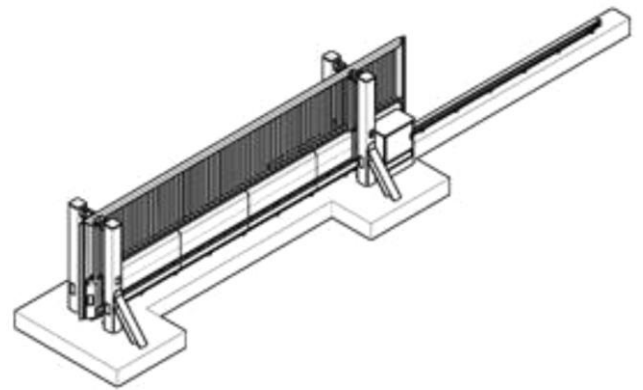
Gate height: 2000, 2500 and 3000mm (incl. 100mm ground clearance)

### Clear Width between Posts

Clear width of opening + 200mm

### Frame Width

Clear width of opening + 2308mm



### Gate Infill

Bar infill made of square hollow section SHS 30 with max. 120mm 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

400mm (shallow foundation)

### Foundation Top Edge

100mm 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

### 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 HxWxD

400 x 600 x 200mm, 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 – 6950kg (depending on CWO and gate height)

## Finish

RAL Tri-Protect®: Long-term anti-corrosion protection coating according to DIN 55633 corrosion category C5, high durability and C5-industrial and marine atmosphere, medium durability respectively (Industrial areas with high humidity and aggressive atmospheres and Marine, offshore, estuaries, coastal areas with high salinity). For M50 Tracked sliding gates with a 7000mm opening the bottom impact rails are treated with the Tri-Protect® wet spray application. This provides a corrosion category C4: Industrial areas (e.g. chemical plants) and coastal areas with moderate salinity.

The coating systems used were salt spray tested for approx. 2000 h\* without loss of the surface protection in accordance to ISO 9227. \* Without damaging the surface

To ensure the lifespan of the paint, the product must be maintained in line with the recommended maintenance schedule

## Colour (Standard)

RAL 6005 – moss green,  
RAL 7016 – anthracite grey  
RAL 7030 – stone grey  
RAL 7035 – light grey  
RAL 9010 – pure white

## Colour (Optional)

Any RAL colour or DB colour

## Colour Drive Column

RAL 7035 – light grey (standard)  
In RAL colour of gate (optional)  
Any RAL colour or DB colour (optional)

## Temperature Range

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

As our policy is to continually improve the products we offer, we reserve the right to amend specifications without prior notice. Further product drawings are available on request

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