

# TRACKED GATE M50

(BSI PAS68: 2013) V/7500[N3]/80/90:0.0/4.3

IDEAL FOR ALL CRITICAL INFRASTRUCTURE



The unique design of the Tracked Gate M50 affords highly effective impact protection and is therefore ideal for all critical infrastructure applications ranging from correctional facilities, critical defence sites, courts, airports, refineries, embassies and many other designated high risk areas.

*"THE GATE BOASTS A TRACKED DESIGN WITH UNRIVALLED RELIABILITY AND HIGH SPEED OPENING AND CLOSING TIMES THAT ARE IMPOSSIBLE TO ACHIEVE WITH OTHER DRIVE PRINCIPLES"*

The Tracked Gate M50 can be adapted in height and fitted with anti-climbing devices to comply with site-specific requirements. It can be utilised as an anti-vehicle barrier.

The Tracked Gate M50 has been the subject of rigorous design appraisal and testing regimes by government agencies in the United States. It has been successfully crash tested according to ASTM F2656-07 and PAS 68. The Tracked Gate M50 system is fully compatible with all access control systems and its advanced design and technology combined with its application flexibility, provides a total solution for all perimeter security access points vulnerable to hostile vehicle attacks.

## KEY ELEMENTS

- ▶ Up to 7000mm clear widths
- ▶ Up to 3000mm height
- ▶ Shallow foundation with only 400mm depth
- ▶ Top edge foundation 100mm below finished floor level

## CERTIFICATIONS

- ▶ ASTM F2656-07 M50/P1
- ▶ PAS68 V/7500[N3]/80/90:00/4.3 (tested with 7m clear opening width)

## CRASH GATE 40 VEHICLE PERFORMANCE CLASSIFICATION

VEHICLE TEST WEIGHT	VEHICLE CLASS	VEHICLE SPEED	VEHICLE ANGLE	VEHICLE PENETRATION	25KG+ DISPERSION
V/7500KG	N3	80	90	0.0	4.3



# TRACKED GATE M50

(BSI PAS68: 2013) V/7500[N3]/80/90:0.0/4.3

IDEAL FOR ALL CRITICAL INFRASTRUCTURE



## STANDARD TECHNICAL SPECIFICATIONS

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 Load	ASTM F 2656-07 1699kJ (15,000lbs @ 50 mph) PAS 68:2010 1852kJ (7.5t @ 80 km/h) Crash test certified ASTM F 2656-07 M50/P1 and PAS 68:2010 V/7500[N3] /80/90:0.0/4.3 (tested with 7m CMO)
Clear Width of Opening	3.0m, 4.0m, 5.0 m, 6.0m and 7.0m	Operating Speed	Normal operation: up to 0.4 m/s
Blocking Height	Gate height incl. 100mm ground clearance: 2000mm, 2500mm and 3000mm	Emergency Fast Operation (EFO)	Up to 0.8m/s (optional, only available for Non-European countries)
Clear Width b/w Posts	Clear width of opening + 200mm	Drive	1.5kW, 400 V (three-phase), 50Hz
Frame Width	Clear width of opening + 2308mm	Control Unit	WE-Tronic II control box installed in drive column control voltage 24 V
Gate Infill	Bar infill made of square hollow section SHS 30 with max. 120mm clearance (standard), special infill on request	Applied Standards	DIN EN 13241-1 Industrial, commercial and garage doors and gates EC-Machinery Directive (2006/42/EC) EMC Directive (2004/108/EC)
Ground Track	S10 to bolt onto top edge of foundation, top of rail 20mm above finished floor level	Weight	Approx. 4710 – 6950kg (depending on CWO and gate height)
Foundation Depth	400mm (shallow foundation)	Supply Voltage	400 V (3Ph + N + PE), 50 Hz
Foundation Top Edge	100mm below finished floor level	Control Box	H x W x D: 400mm x 600mm x 200mm, IP66
Emergency Operation during Power Failure	Manually after disengagement of motor by clutch lever	Temperature Range	Control unit: -10 °C ... +50 °C Drive unit: -20 °C ... +40 °C (with power reduction up to +60 °C)
Colour (Standard)	RAL 6005 – moss green RAL 7016 – anthracite grey RAL 7030 – stone grey RAL 7035 – light grey RAL 9010 – pure white  All other RAL colours or DB colours optional	Colour Drive Column	RAL 7035 light grey (standard) In RAL colour of gate (optional) All other RAL colours of DB colours (optional)

IDEAL FOR ALL CRITICAL INFRASTRUCTURE

