



# TRACKED GATE M50

CERTIFIED TO



**Ezi Security Systems**  
SERIOUS SECURITY IS EZI

## TRACKED GATE M50

The unique design of the Tracked Gate M50 affords 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.

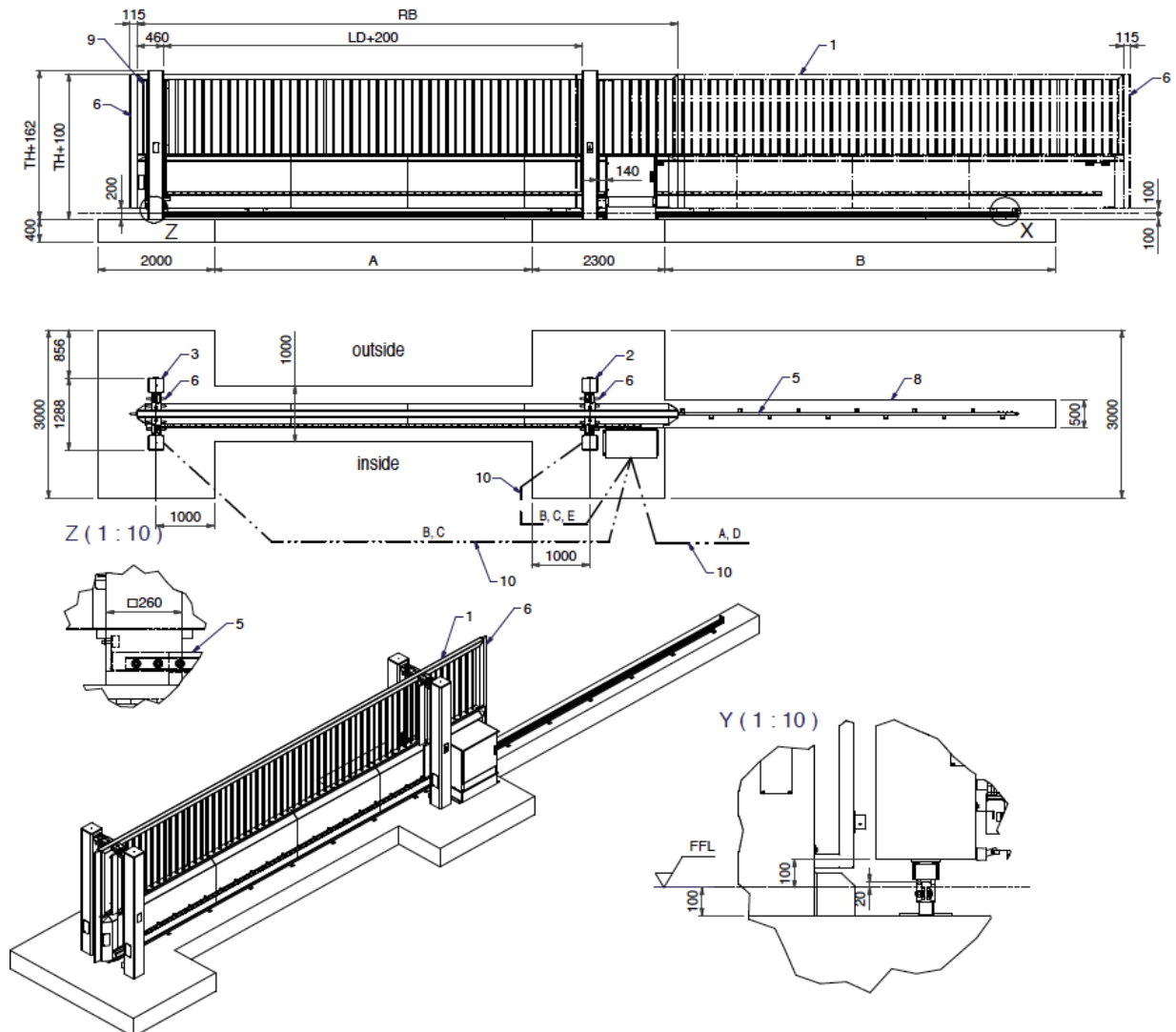
### Advantages of the elkota Tracked Gate M50

- ◆ Up to 7000mm clear widths
- ◆ Up to 3000mm height
- ◆ Shallow foundation 400mm deep
- ◆ Top edge foundation 100mm below finished floor level
- ◆ Certifications: ASTM F2656-07 M50/P1
- ◆ PAS 68 V/7500[N3]/80/90:00/4.3 (tested with 7m clear opening width)

\*\* EZI MASTER MANUAL TRACKED GATE M50 ARE ALSO AVAILABLE



## STANDARD TECHNICAL DRAWING



# STANDARD TECHNICAL SPECIFICATION

<b>Design</b>	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	
<b>Impact Load</b>	ASTM F 2656-07	1699kJ (15,000lbs @ 50 mph)
	PAS 68:2010	1852kJ (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 7m CWO)	
<b>Clear Width of Opening</b>	3.0m, 4.0m, 5.0 m, 6.0m and 7.0m	
<b>Blocking Height</b>	Gate height incl. 100mm ground clearance: 2000mm, 2500mm and 3000mm	
<b>Clear Width between Posts</b>	Clear width of opening + 200mm	
<b>Frame Width</b>	Clear width of opening + 2308mm	
<b>Gate Infill</b>	Bar infill made of square hollow section SHS 30 with max. 120mm clearance (standard), special infill on request	
<b>Ground Track</b>	S10 to bolt onto top edge of foundation, top of rail 20mm above finished floor level	
<b>Foundation Depth</b>	400mm (shallow foundation)	
<b>Foundation Top Edge</b>	100mm below finished floor level	
<b>Emergency Operation during Power Failure</b>	Manually after disengagement of motor by clutch lever	

<b>Operating Speed</b>	Normal operation: up to 0.4m/s
<b>Emergency Fast Operation (EFO)</b>	Up to 0.8m/s (optional, only available for Non-European countries)
<b>Drive</b>	1.5kW, 400 V (three-phase), 50Hz
<b>Control Unit</b>	WE-Tronic II in control box installed in drive column. control voltage 24 V
<b>Supply Voltage</b>	400 V (3Ph + N + PE), 50 Hz
<b>Control Box</b>	H x W x D: 400mm x 600mm x 200mm, IP66
<b>Applied Standards</b>	DIN EN 13241-1 Industrial, commercial and garage doors and gates EC-Machinery Directive (2006/42/EC) EMC Directive (2004/108/EC)
<b>Weight</b>	Approx. 4710 – 6950kg (depending on CWO and gate height)
<b>Colour (Standard)</b>	RAL 6005 – moss green RAL 7016 – anthracite grey RAL 7030 – stone grey RAL 7035 – light grey RAL 9010 – pure white
<b>Colour (Optional)</b>	All other RAL colours or DB colours
<b>Colour Drive Column</b>	RAL 7035 light grey (standard) In RAL colour of gate (optional) All other RAL colours of DB colours (optional)
<b>Temperature Range</b>	Control unit: -10 °C ... +50 °C Drive unit: -20 °C ... +40 °C (with power reduction up to +60 °C)







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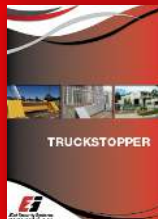
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