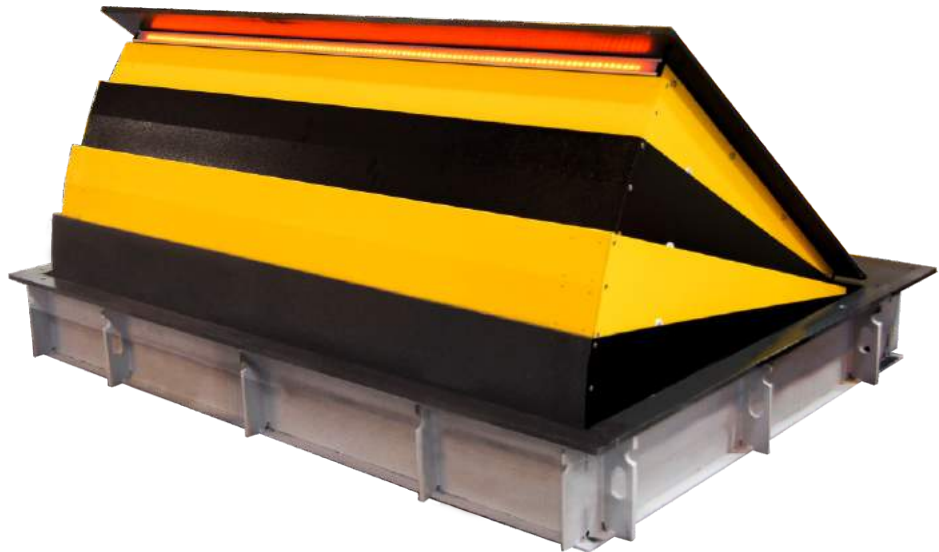


HIGH SECURITY ROAD BLOCKER M50 (K12) ANTI-RAM CLASS

ASTM F2656-07, M50, P1 (-2,4m)

Crash-tested
according to



RELIABLE, PRACTICAL AND COST-EFFECTIVE SOLUTION TO
PROVIDE 100% SECURITY OF YOUR TERRITORY

High security road blocker intends to prevent unauthorized access of vehicles to a secured perimeter and provide highest anti-terror protection. TiSO road blocker has successfully passed crash test and certified according to ASTM F2656-07, M50, P1 (-2,4m) standard. Being developed by engineers with extensive background in appropriate field, TiSO anti-ram road blocker is featured by installation and civil works simplicity, reliability, durability, and functionality. All these features together, make this TiSO road-blocker an ultimate solution for a vehicle access control establishment.

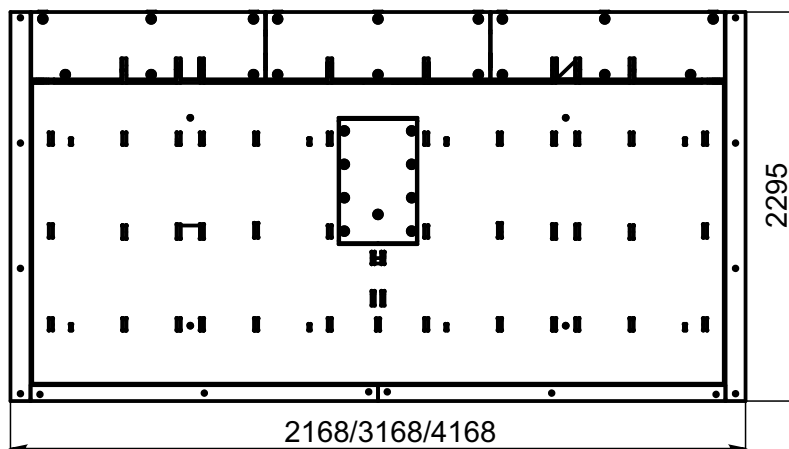
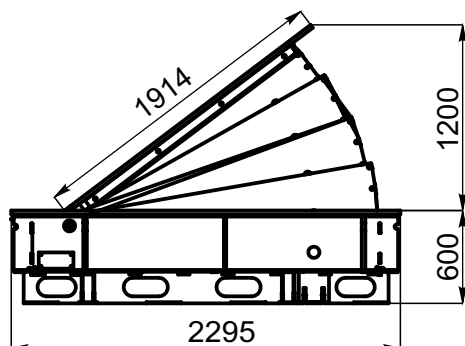
Installation areas

- Governmental Institutions
- Military Bases
- Nuclear Power Plants
- Production sites (Industrial Plants)
- Commercial areas
- Financial institutions
- Airport Premises
- Business (Office) Center
- Hotels
- Sport Complexes
- Recreation areas
- Urban areas
- Education Institutions



www.tiso.global
+380 (44) 291-21-11
e-mail: sales@tiso.global





TECHNICAL SPECS:

Model	RB332-01	RB333-01	RB334-01
Installation type	Shallow mounted		
Drive	Hydraulic (HPU)		
Width, mm	2000	3000	4000
Height, mm	1200		
Impact resistance, J	1 680 000		
Axle load, t	15		
Rising time, s	3,5 (1,5 with EFO)		
Lowering time, s	3,5		
Operating temperatures*, °C	-40 /+60		
Power supply	3 phase 400 V, 50/60 Hz		
Protection level	IP 67 (for road blocker) IP 54 (for control box)		
Material	Structural steel C22 (powder coated)		

*for temperatures lower than -10 °C use the heating device
for temperatures higher than +40 °C use the cooler device



Contracting Client:
Tiso Blockers, LLC
72, Yamska str.
03150 Kyiv
Ukraine

Certificate

of passed Barrier Testing Programm

ASTM F 2656-07, M50, 14 July 2015

Type of product:	„AUIA – 333 Automatic“
Vehicle penetration:	-2.4 m (dynamic)
Mass [Target]:	6800 kg (±140 kg)
Mass [Test]:	6855 kg
Impact speed [Target]:	80.0 km/h (75.1 km/h – above)
Impact speed [Test]:	83.5 km/h
Angle:	90 °
Major debris:	n/a (≥ 25 kg)

Observations

Vehicle restrained:	yes
Vehicle immobilized:	yes
Road Blocker still functions after impact:	yes

Penetration Rating:	P1 (-2.4m)
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Sincerely,

Dipl.-Ing. Peter Schimmelpfennig
(Managing Partner)

Amelunxenstraße 30, 48167 Münster, Germany

www.crashtest-service.com

Advantages

- Shallow mounting installation type
- Reliability and durability
- Low operating & maintenance cost
- Service simplicity
- High intensity operation mode

Additional options

- Hydraulic hose extension
- Wireless control units
- Traffic light
- Heating device (for climates with below 0°C)
- Induction loop one channel detector
- Sound alarm
- EFO (Emergency Fast Rising Operator)
- Manual Pump unit;
- Others upon request



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