

SPEEDBUMP ROAD BLOCKER M30 (K4) ANTI-RAM CLASS

Crash-tested
according to



ASTM INTERNATIONAL



*ASTM F2656/F2656M-15, M30, P1 (-0.67m)
IWA 14-1, Blocker V/7200[N2B]/48/90:0.25*



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

TiSO anti-ram SPEEDBUMP is a unique vehicle access solution. Its biggest advantage refers to installation type options, including both surface or shallow mounting. Dealing with surface installation, in raised position on this road blocker serves like a regular road blocker. On the other hand, it takes speed hump function when closed. Being certified according ASTM F2656/F2656-15, M30, P1(-0.67m) and IWA14-1, BlockerV/7200[N2B]/ 4890:0.25 standards, this security equipment is useful to provide high anti-terror driveway protection level. Wide range of optional configurations enables it to be applicable to large variety of projects.

Installation areas

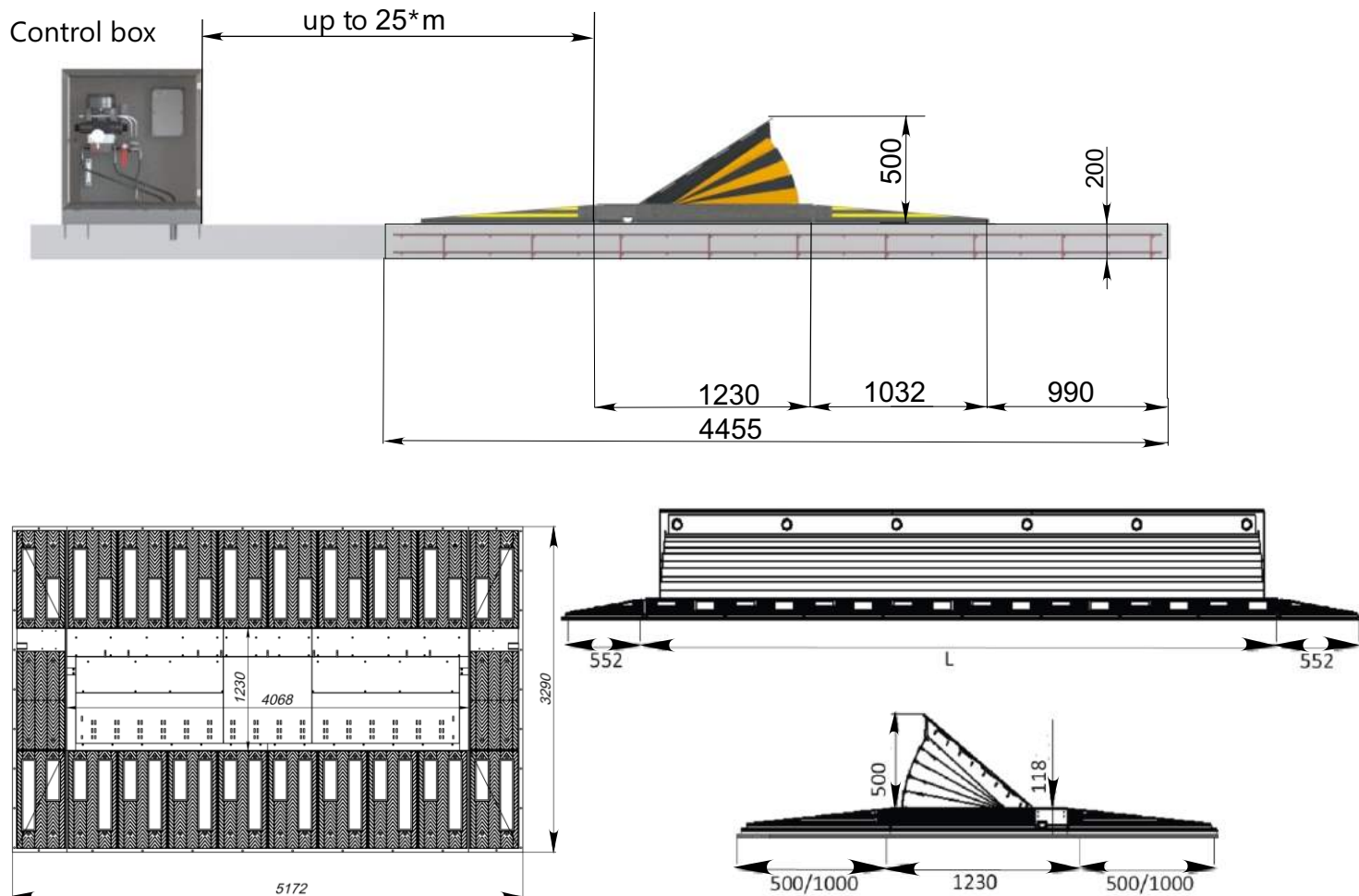
- Governmental Institutions
- Military Bases
- Nuclear Power Plants
- Production sites (Industrial Plants)
- Commercial areas
- Financial institutions
- Airport Premises
- Business (Office) Center
- Hotels
- Sport Complexes
- Recreation areas
- Urban areas
- Education Institutions



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Above the ground installation



TECHNICAL SPECS:

Model	AUIA-359-02	AUIA-359-03	AUIA-359-04
Installation type	Above the ground		
Drive	Hydraulic (external)		
Blocking length*, mm (L)	2000	3000	4000
Rising height, mm (H)	500		
Rising speed, sec	up to 5 seconds		
Lowering speed, sec	up to 5 seconds		
Protection level	IP 67 for Road blocker IP 55 for control box		
Weight (with ramps), kg	1897	2220	2873
Materials	- Structural steel (powder coated) - Structural rubber (structural steel up on request)		
Impact resistance, kJ	656		
Operating temperature**, °C	-10 +60		
Load per axle, t	15		
Power supply	3 phase 380 V, 50/60 Hz		
Power consumption, kW	1,5	2,2	3,0

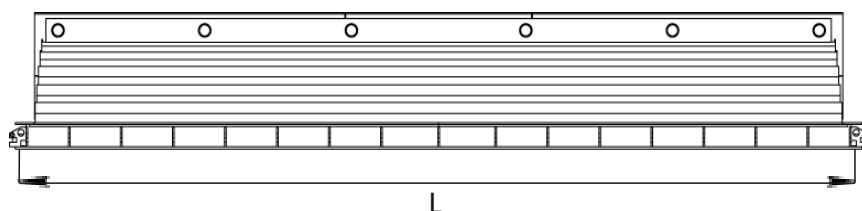
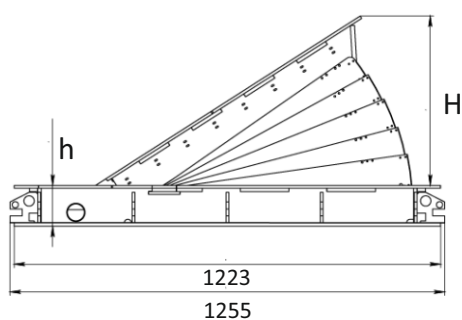
*blocking length can be up to 9000 mm

**for temperatures lower than -10 °c use the heating resistance (optionally)



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TECHNICAL SPECS:

Model	AUIA-359-02	AUIA-359-03	AUIA-359-04
Installation type	Shallow mounted		
Drive	Hydraulic (external)		
Blocking length*, mm (L)	2000	3000	4000
Rising height, mm (H)	500		
Installation depth, mm (h)	200		
Rising speed, sec	~3		
Lowering speed, sec	~3		
Protection level	IP 67 for Road blocker IP 55 for control box		
Weight, kg	670	1012	1270
Materials - central unit	- Structural steel (powder coated)		
Impact resistance, kJ	656		
Operating temperature**, °C	-10 +60		
Load per axle, t	15		
Power supply	3 phase 380 V, 50/60 Hz		
Power consumption, kW	1,5	2,2	3,0

*blocking length can be up to 9000 mm

**for temperatures lower than -10 °c use the heating resistance (optionally)



Contracting Client:
TISO PRODUCTION, LTD
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Certificate of passed Barrier Testing Programm

ASTM F2656/F2656M-15 + IWA14-1, M30, 15th December 2016, CTS-Test No: 18531

Type of product:	Road Blocker Speedbump „AUIA - 359-04“
Vehicle penetration:	ASTM: -0.67 m IWA14-1: 0.25 m
Mass [Target]:	7200 kg (±150 kg)
Mass [Test]:	7276 kg
Impact speed [Target]:	48.0 km/h (47.0 km/h – 51.0 km/h)
Impact speed [Test]:	48.6 km/h
Angle:	90 °
Major debris:	no
Kinetic energy:	663 kJ

Observations

Vehicle restrained:	yes
Vehicle immobilized:	yes
Penetration Rating ASTM:	P1 (-0.67m)
Performance Rating IWA14-1:	Blocker V/7200[N2B]/48/90:0.25



Sincerely,

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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

Standard

- Build-in hydraulic unit
- Light indication



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