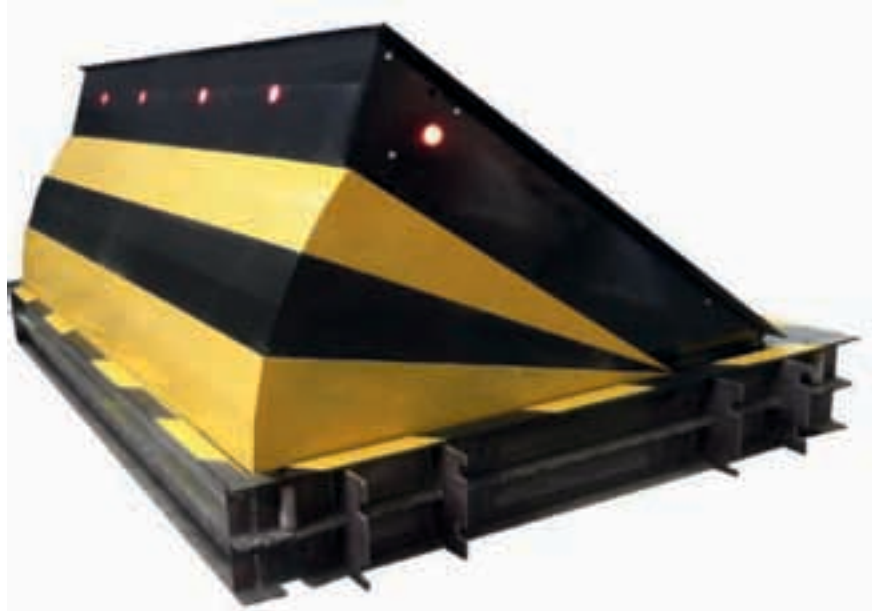


ROAD BLOCKER

M50 (K12) ANTI-RAM CLASS

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

Crash-tested
according to



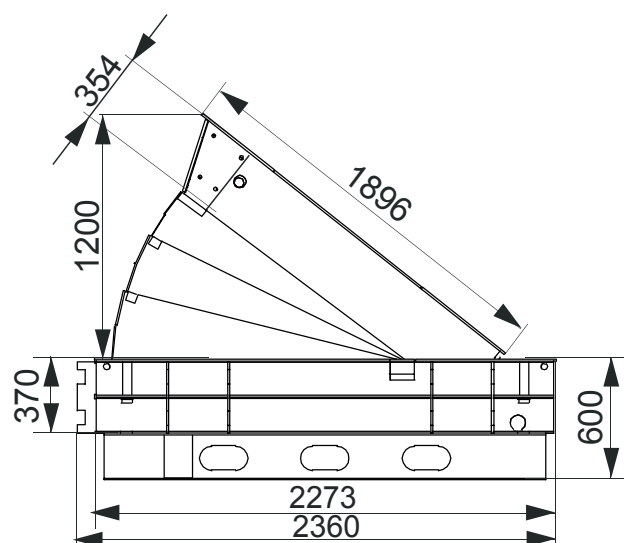
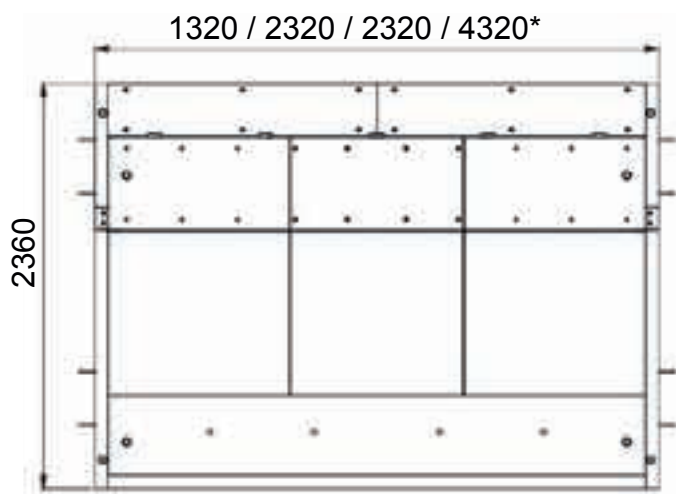
RELIABLE, PRACTICAL AND COST-EFFECTIVE SOLUTION TO
PROVIDE 100% SECURITY OF YOUR TERRITORY

Installation areas

Anti-ram road blocker intends to prevent unauthorized access of vehicles to a secured perimeter and provide highest anti-terror protection. 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, anti-ram road blocker is featured by installation and civil works simplicity, reliability, durability, and functionality. All these features together, make this road-blocker an ultimate solution for a vehicle access control establishment.

- 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

Technical dimensions



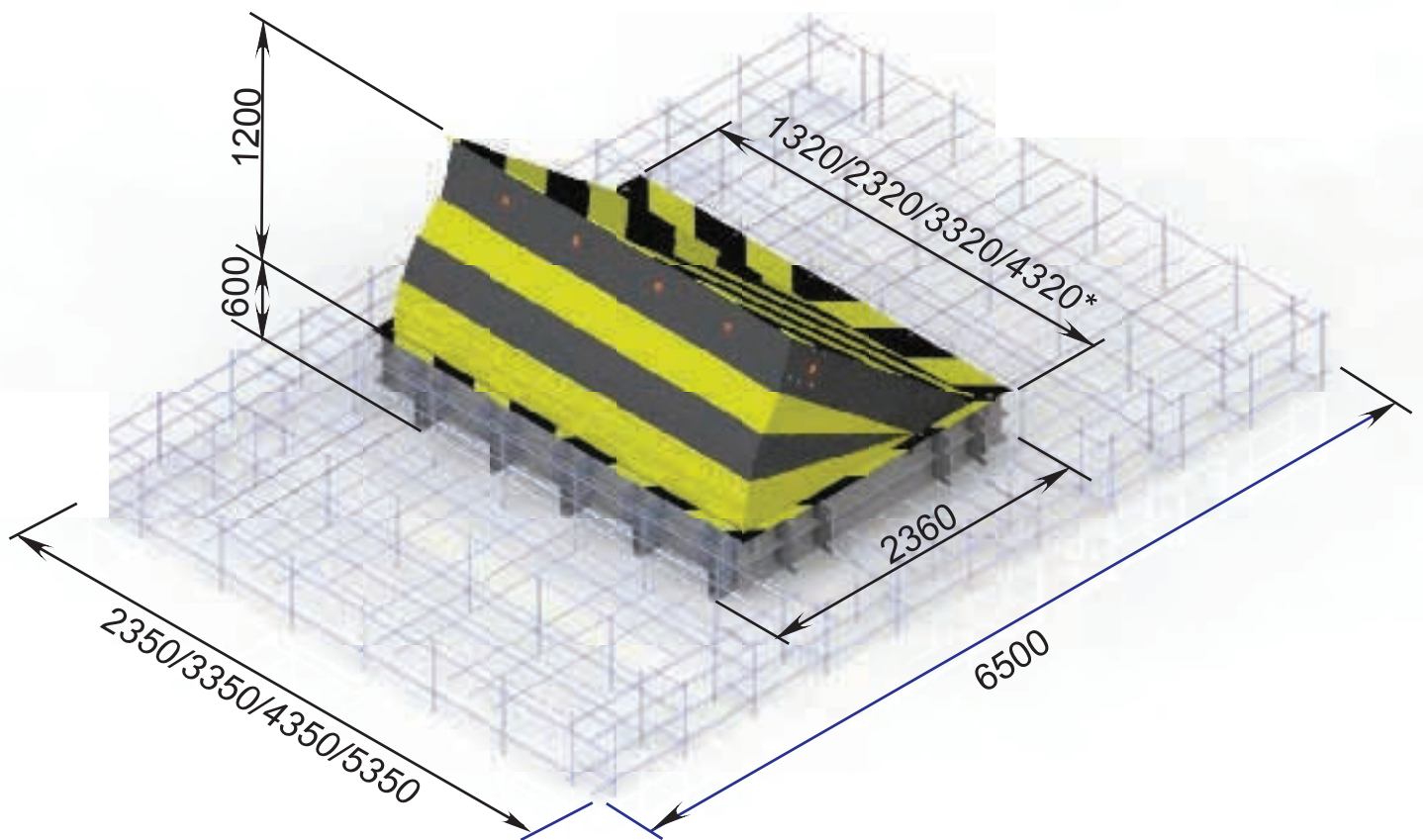
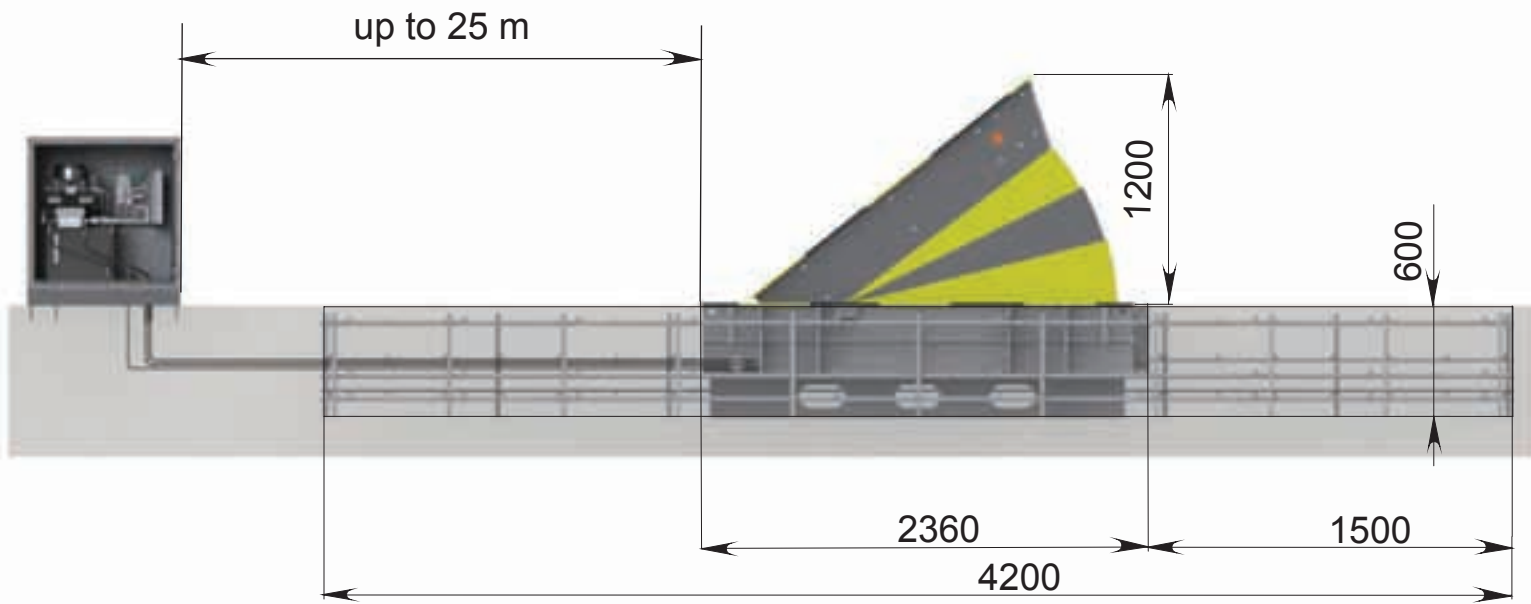
TECHNICAL SPECS:

Model	AUIA-331	AUIA-332	AUIA-333	AUIA-334
Blocking length* (L), mm	1000	2000	3000	4000
Lift height, mm	1200			
Installation depth (with foundation case), mm	600			
Weight (without foundation case), kg	~1520	~2250	~3190	~4200
Drive	Hydraulic (external)			
Material	Structural steel			
Power supply	3 phase 380 V, 50/60 Hz			
Power consumption, kW	3	5,5	7,5	9,5
Load per axle, t	20			
Protection level	IP 67 for Road blocker IP 55 for control box			
Impact resistance, kJ	1843,9			
Lowering time, s	2,5			
Rising time, s	3,5 (1,8 with EFO)			
MCBF	2,000,000 cycles			
Operating temperatures, ° C	-10 /+50			
Operating temperatures (with heating system), ° C	-40 /+50			
LED indication	Build-in LED			
Raised position locking	Hydraulic unit hydraulic lock			
Manual emergency lowering	Manual release			

*blocking length can be up to 9000 mm.

Foundation case dimensions

Control box







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

Certificate

of passed Barrier Testing Program

ASTM F 2656-07, M50, 14 July 2015	
Type of product:	„ALVA – 303 Automatic“
Vehicle penetration:	~2.4 m (dynamic)
Mass (Target):	4000 kg (±140 kg)
Mass (Test):	4055 kg
Impact speed (Target):	80.0 km/h (75.1 km/h – photo)
Impact speed (Test):	81.3 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)
	

Signature:



Dipl.-Ing. Peter Schumacher
(Managing Partner)

www.ctstest-service.com

Anstaltenstraße 30, 48167 Münster, Germany

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