

CYCLOPE ROAD BLOCKER M40 (K8) ANTI-RAM CLASS

*ASTM F2656/F2656M-15, M40, P1 (-1,7m)
IWA 14-1, Blocker V/7200[N2B]/64/90:12,1*

Crash-tested
according to

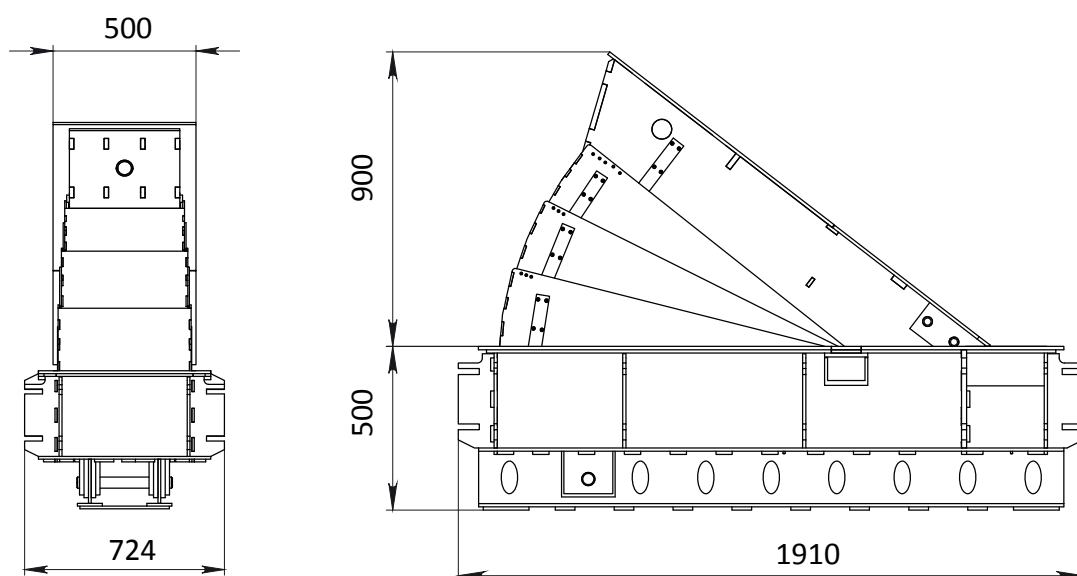


*RELIABLE, PRACTICAL AND COST-EFFECTIVE SOLUTION TO
PROVIDE 100% SECURITY OF YOUR TERRITORY*

Anti-ram Cyclope designated for providing pedestrian friendly vehicle access control to protected perimeter. Being certified according to ASTM F2656/F2656M-15, M40, P1(-1,7) & IWA14-1, BlockerV/7200[N2B]/64/90:12.1 standards, this modification ensures anti terrorist defense of site. In contrast to bollards, TiSO road blocker requires shallow mounting installation depth. This motorized platform has hydraulic drive and has been engineered to keep high intensity operation mode. Wide range of optional configurations enables it to be widely applicable security solution for 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

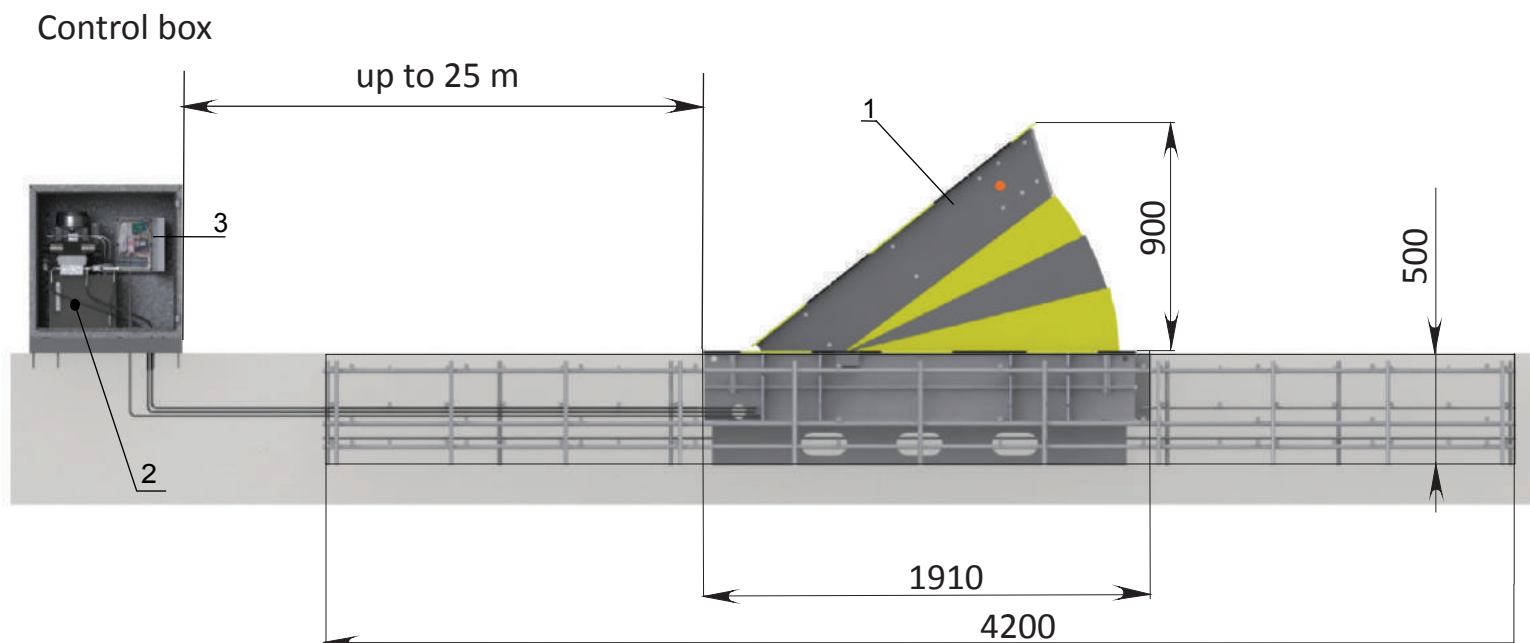


TECHNICAL SPECS:

Model	AU1A-320-02
Installation type	Shallow mounted
Drive	Hydraulic (external/internal)
Blocking length, mm	500
Rising height, mm	900
Installation depth, mm	500
Rising speed, sec	~4
Lowering speed, sec	~3
Protection level	IP 67 for Road blocker IP 55 for control box
Weight, kg	790
Materials	- Structural steel (powder coated)
Impact resistance, kJ	1110
Operating temperature*, °C	-10/50
Load per axle, t	15
Power supply	3 phase 380 V, 50/60 Hz
Power consumption, kW	
- internal hydraulic unit	1,0
- external hydraulic unit	2,2

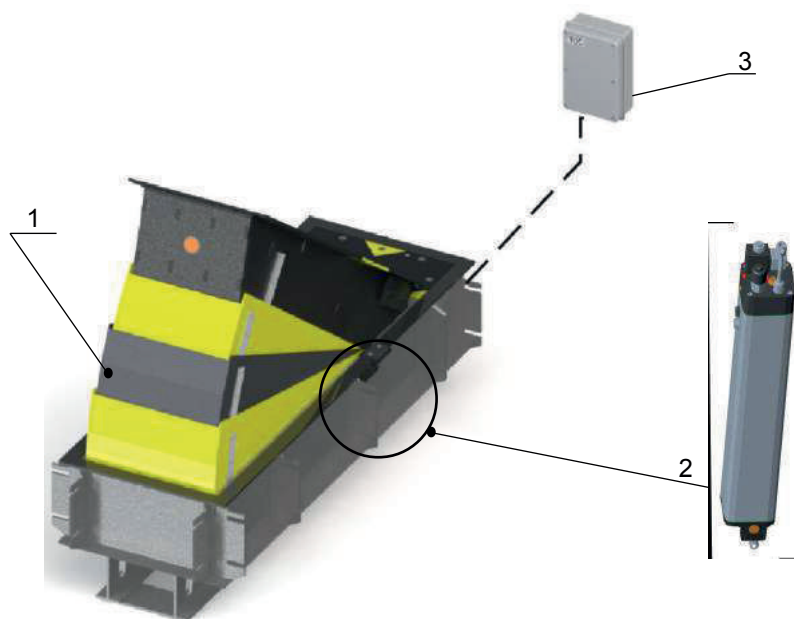
*for temperatures lower than -10 °c use the heating resistance (optionally)

EXTERNAL HYDRAULIC UNIT



1. Road blocker assembly
2. Hydraulic unit
3. Box with electronic control unit

INTERNAL HYDRAULIC UNIT



Advantages

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

Additional options

- Radio receiver with two keybos in kit
- Additional keyfob
- Traffic light with support post
- Heating device
- One-channel induction loop (controller + 30 m of cable)
- Sound alarm

Standard

- LED indication
- Manual release when power is off



Contracting Client:
TISO PRODUCTION, LTD
72, Yamska str.
03150 Kyiv
Ukraine

Certificate

of passed Barrier Testing Programm

ASTM F2656/F2656M-15 + IWA14-1, M40, 12th September 2016, CTS-Test No: 18476

Type of product:	Road Blocker Cyclope „AUIA - 320-02“
Vehicle penetration:	-1.7 m
Mass [Target]:	7200 kg (±150 kg)
Mass [Test]:	7228 kg
Impact speed [Target]:	64.0 km/h (63.0 km/h – 67.0 km/h)
Impact speed [Test]:	65.1 km/h
Angle:	90 °
Major debris:	10.6 m (ASTM F2656/F2656M-15) 12.1 m (IWA14-1:2013)

Observations

Vehicle restrained:	yes
Vehicle immobilized:	yes
Penetration Rating ASTM:	P1 (-1.7m)
Performance Rating IWA14-1:	Blocker V/7200[N2B]/64/90:12.1



Sincerely,
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