

ROAD BLOCKERS

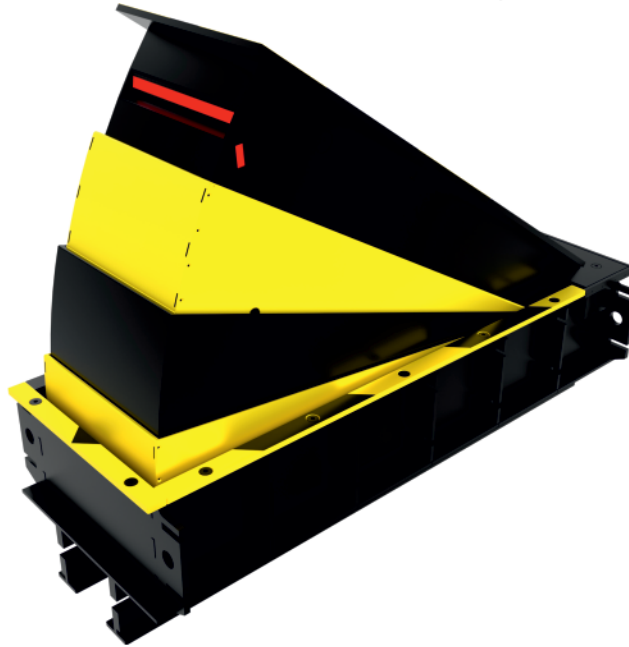
HIGH SECURITY CYCLOPES

Crash-tested according to

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



ASTM INTERNATIONAL



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

High security Cyclopes 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.

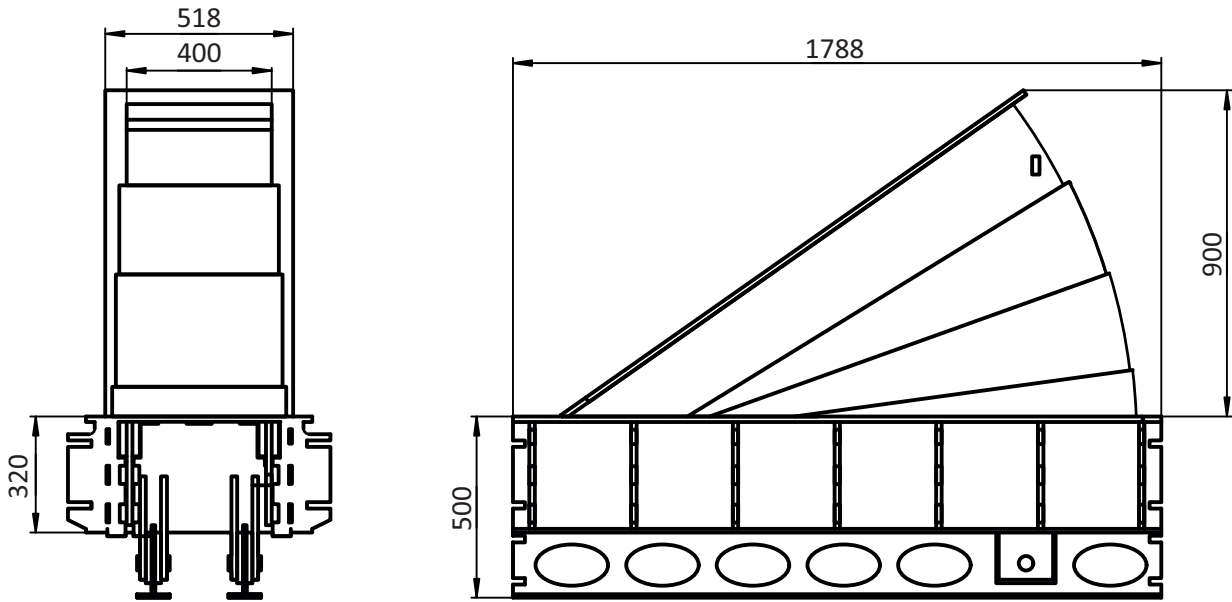
Installation areas

- 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



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





TECHNICAL SPECS:

Model	RB320-02
Installation type	Shallow mounted
Drive	Hydraulic
Width, mm	500
Height, mm	900
Foundation case dimensions, mm	1788x724x500
Impact resistance, kJ	1181
Load per axle, t	15
Rising time, sec	5,6
Lowering time, sec	3,4
Operating temperature*, °C	-40/+50
Power supply	3 phase 400 V, 50/60 Hz
Protection level	IP 67 for Road blocker IP 55 for control box
Materials	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 PRODUCTION, LTD
72, Yamska str.
03150 Kyiv
Ukraine

Certificate

of passed Barrier Testing Programm

ASTM F2656/F2656M-15 + IWA14-1, M40, 12 th 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,
 crashtest-service.com
 Amelunxenstraße 30, 48167 Münster
 Telefon: +49 (0) 2506 7099070
 Telefax: +49 (0) 2506 7099099
 Dipl.-Ing. Peter Schimmelplöning
 (Managing Partner)

Amelunxenstraße 30, 48167 Münster, Germany

www.crashtest-service.com



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

