

A Centena Group Company ®

**SCREEN
CHECK**

HIGH SECURITY SHALLOW ROAD BLOCKER

ISO 22453 and ASTM F2656-07
M50, P1

Crash-tested
according to

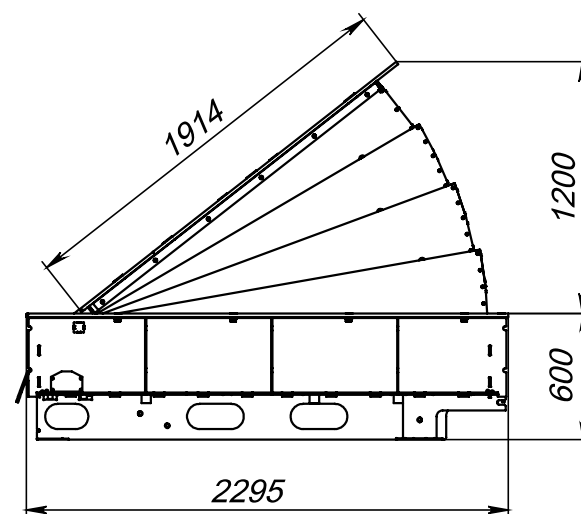
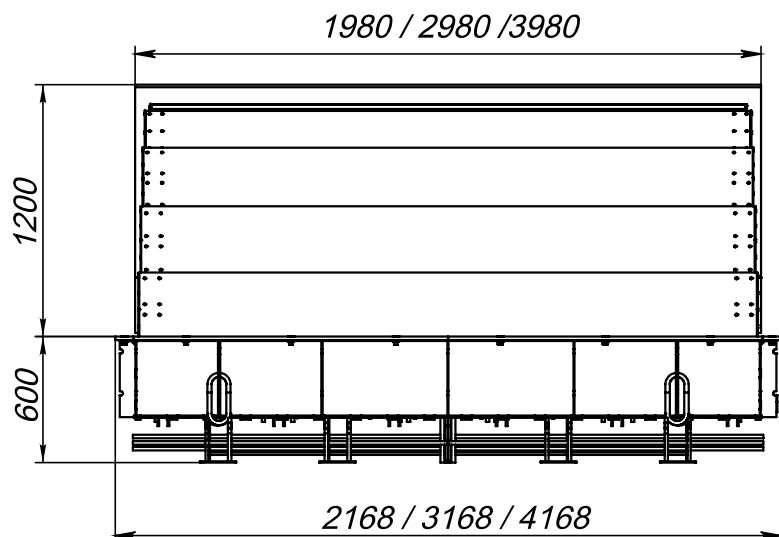


RELIABLE, PRACTICAL, COST-EFFECTIVE SOLUTION
THAT MEET THE LATEST **ISO 22453** REQUIREMENTS

Shallow mounted automatic (hydraulic) blockers RB 33X meet the latest **ISO 22453** requirements, delivering maximum security with certification under the new European standard (ISO 22453) and the U.S. standard (ASTM F2656). Crash tests conducted with increased vehicle weight and a reduced foundation have confirmed a high level of protection with zero penetration. This advancement makes TiSO blockers even more desirable in terms of both cost-effectiveness and reliability.

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	RB332	RB333	RB334
Installation type	Shallow mounted		
Drive	Hydraulic (HPU)		
Width, mm	2000	3000	4000
Height, mm	1200		
Impact resistance, J	1 843 500		
Axle load, t	15 (standard) 30/50 (optional)		
Rising time, s	3,5 (1,5 with EFO)		
Lowering time, s	3,5		
Operating temperatures, °C	-10 / +40 (standard) -40 / +65 (optional)		
Power supply	3 phase 400 V, 50/60 Hz		
Protection level	For road blocker: IP 67 For control box: IP 54 (standard); IP 65 (optional)		
Material	Structural steel C22 (powder coated)		

Crash-tested according to



Certificate

of passed Barrier Testing Programme



Certificate no.: TC-11523-4810-20102-EN
Date of certification: 08-Okt-2024

Contracting client:
TiSO Production LTD
14 Promyslova street
02088 Kyiv
Ukraine

Type of product: Road Blocker, "AUIA-333 Automatic"
Test parameters: ISO 22343-1:2023
Type of test vehicle/impact speed: N2A 80 km/h
Impact angle/impact point: 90° Center line of VSB
Test date: 25-SEP-2024
Test vehicle stopped before VSB datum line: Yes ☐ No ☒
Test vehicle redirecting on non-protected side of VSB: Yes ☐ No ☒
Test vehicle stopped beyond the VSB datum line: Yes ☒ No ☐
If stopped beyond the VSB datum line, ☒ damaged ☒ entangled
Test vehicle immobilized by: ☐ trapping/lifting ☐ not immobilized
Test vehicle kinetic energy at impact: 1859 kJ
Performance rating: ISO 22343-1: Blocker V7200(N2A)/80/90:0.2/17.8

Only valid in connection with CTS-test report no.: 11523-4810-20102-EN
If completely changed this certificate will be replaced by certificate no.: TC-11523-4810-20102-2-EN

Sincerely

Dipl.-Ing. Ralf Buehrmann (Head of Laboratory)

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Rev. 02

Certificate

of passed Barrier Testing Programme



Certificate No.: TC-11523-2588-18170-EN
Date of certification: 14-JULY-2015

Contracting Client:
TiSO Production, LLC.
Promyslova str 14
02088 Kiev
Ukraine

Type of Product: Movable Blocker, "AUIA - 333 Automatic"
Test Standard: ASTM F2656 - 07
Test Standard Classification: ASTM F2656: M50
Test Date: 14-JULY-2015
Vehicle Restrained: Yes ☒ No ☐
Vehicle Immobilized: Yes ☒ No ☐
Vehicle advanced beyond Barrier: Yes ☐ No ☒
Test Vehicle Kinetic Energy at Impact: 1844 kJ
Penetration Rating: P1 [- 2.4 m]
Only valid in connection with CTS-Test Report No.: 11523-2588-18170-EN
If completely changed this certificate will be replaced by certificate No.: TC-11523-2588-18170-2-EN

Sincerely

Dipl.-Ing. Peter Schimmelpfennig (Managing Partner/Head of Laboratory)



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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