Crash-tested according to



HIGH SECURITY AUTOMATIC BOLLARDS M30 (K4) ANTI-RAM CLASS

ASTM F2656-07, M30, P1 (-1.2m)



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

TiSO high security automatic bollards RB348 being certified according to ASTM F2656-07, M30, P1 (-1.2m). They are intended to prevent unauthorized access of vehicles to a secured perimeter and provide highest level of anti-terrorist protection. Being developed by engineers with huge background in appropriate fi eld, TiSO anti-ram automatic bollards have the following features: reliability, durability, functionality, and perfect resistance to external impact. All these factors together make this bollard a universal solution for a vehicle access control establishment.

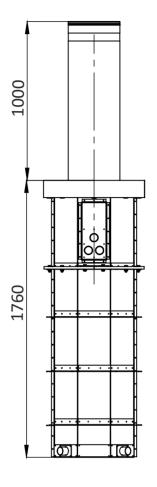
Installation areas

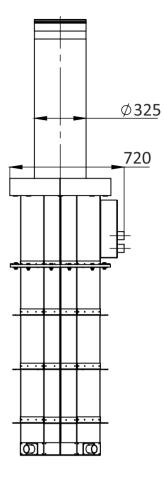
- Governmental Institutions
- Military Bases
- Nuclear Power Plants
- Production sites (Industrial Plants)
- Commercial areas
- Financial institutions
- Airport Premises
- Business (Office) Center
- Hotels
- Sport Complexes
- Recreation areas
- Urban areas
- Education Institutions



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TECHNICAL SPECS:

Model	RB348
Drive	Hydraulic (external)
Tube diameter, mm	325
Tube height, mm	1000
Wall thickness, mm	20
Impact resistance, kJ	679,9
Load per axle, t	15
Rising speed, cm/sec	~26
Lowering speed, cm/sec	~30
Operating temperatures*, ° C	-40 /+60
Power supply	3 phase 400 V, 50/60 Hz
Protection level	IP 67 for Bollard IP 54 for control box
Tube materials	Galvanized and powder coated tube (any RAL up on request) Stainless steel sleeve / casing up on request

 * for temperatures lower than -10° C use the heating device for temperatures higher than +40° C use the cooler device













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