

AUTOMATIC TRAFFIC BOLLARDS



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

TiSO automatic traffic bollards is the most demanded part of traffic barriers range, due to wide project applicability and installation simplicity. This type of TiSO equipment is engineered in order to provide maximum operation durability.

Range of TiSO automatic traffic bollards includes blocking segment with a built in hydraulic unit and outside PLC.

Also the range is classified according to rising heights, tube's materials, diameters etc. Large amount of available accessories enables equipment operation under severe climate circumstances, both extreme above and below 0 C° temperatures. Having no high security features, traffic bollards is the perfect choice for installations at private and other areas without strict requirement to antiterrorism protection. All equipment is designed and tested for high intensity operation.

Installation areas

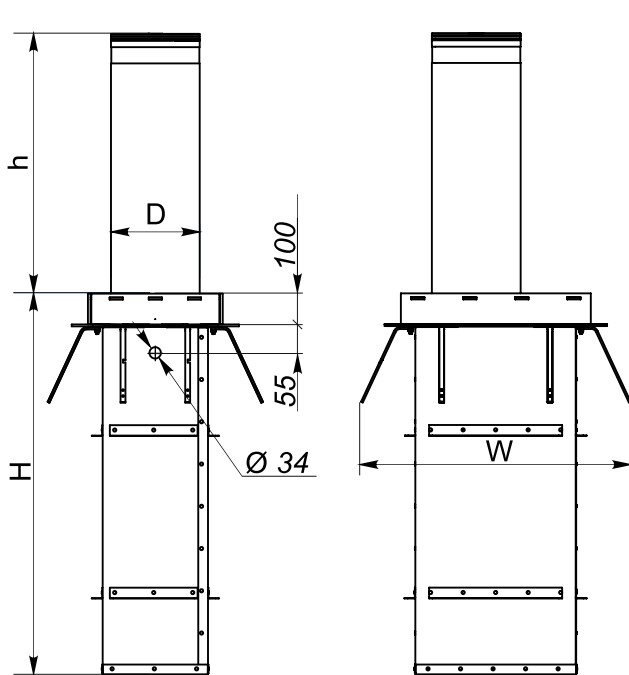
- Governmental Institutions
- Military Bases
- Nuclear Power Plants
- Production sites (Industrial Plants)
- Commercial areas
- Financial institutions
- Airport Premises
- Business (Office) Center
- Hotels
- Sport Complexes
- Recreation areas
- Urban areas
- Education Institutions



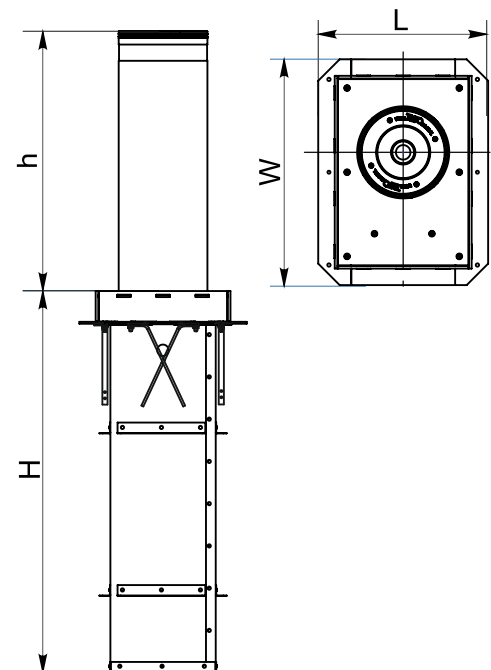
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Overall dimensions of the bollard
with raised foundation anchors



Overall dimensions of the bollard
with lowered foundation anchors



TECHNICAL SPECS*:

Model	RB349-12	RB349-15
Drive	Hydraulic (HPU) / internal	
Tube diameter (D), mm	273	273
Tube height (h), mm	600	800
Dimensions (LxWxH), mm with raised foundation anchors with lowered foundation anchors	660x830x980 515x685x980	660x830x1170 515x685x1170
Wall thickness, mm	8	8
Impact resistance, J	80000	85000
Breakout resistance, J	580000	585000
Axle load, mm	15	
Rising time, sec (±1 s)	7,0	9,0
Lowering time, sec (±1 s)	5,5	8,0
Operation temperatures**, °C	-40 / +60	
Power supply	1 phase 230V, 50/60 Hz	
Protection level	IP 67 (for bollard) IP 55 (for control box)	
Tube material	Brushed stainless steel AISI 304 Brushed stainless steel AISI 316 Galvanized and powder coated tube (any RAL up on request)	

*technical data is subject to change without notice

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