

# Certificate

of passed Barrier Testing Programme



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

Certificate no.: TC-11523-4810-20101-EN  
Date of certification: 25-SEP-2024

Type of product:	Fixed triple bollard, "RB273-09-S"	
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:	05-SEP-2024	
Test vehicle stopped before VSB datum line:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Test vehicle redirecting on non-protected side of VSB:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Test vehicle stopped beyond the VSB datum line:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If stopped beyond the VSB datum line,	<input checked="" type="checkbox"/> damaged	<input type="checkbox"/> entangled
Test vehicle immobilized by:	<input checked="" type="checkbox"/> trapping/lifting	<input type="checkbox"/> not immobilized
Test vehicle kinetic energy at impact:	1855 kJ	
Performance rating:	ISO 22343-1: Bollard V/7200[N2A]/80/90:2.5/30.8	

Only valid in connection with CTS-test report no.: 11523-4810-20101-EN  
If completely changed this certificate will be replaced by certificate no.: TC-11523-4810-20101-2-EN

Sincerely

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