



Certificate

of passed Barrier Testing Programm

ASTM F 2656-07, M50, 1st October 2015, CTS-Test No: 18236

Type of product:	„Bollard AUIA – 342“
Vehicle penetration:	-0.6 m (dynamic)
Mass [Target]:	6800 kg (± 140 kg)
Mass [Test]:	6862 kg
Impact speed [Target]:	80.0 km/h (75.1 km/h – above)
Impact speed [Test]:	83.5 km/h
Angle:	90 °
Major debris:	n/a (≥ 25 kg)
Observations	
Vehicle restrained:	yes
Vehicle immobilized:	yes
Bollard still functions after impact:	yes
Penetration Rating:	P1 (-0.6m)
<p>pre-test</p> 	<p>post-test</p> 

Sincerely,



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Dipl.-Ing. Peter Schimmelpfennig
(Managing Partner)