

Black Security Products, LLC
303 Airport Way Suite 1
Kalispell, MT 59901
Attention: Mr. Stephen Neusch



Date: 01/03/2023

Mr. Stephen Neusch,

Based upon the test performed on December 30th, 2022, at Applus IDIADA KARCO Engineering, the as-tested configuration of the Black Security Products 10' 3 Post Wedge received an impact rating of P1 at the M50 Test Level of the ASTM F2656-20 standard test method. This test evaluated the 10' 3 Post Wedge for an impact at its center.

The wedge was evaluated using a standard test truck (M) weighing 14,693.8 lb. traveling at a velocity of 51.4 mph. The P1 penetration rating is given when the dynamic penetration of the vehicle reference point beyond the barrier reference point is between 0 ft and 3.3 ft. For the standard test truck (M), the vehicle reference point is the leading lower vertical edge of the cargo bed. The barrier reference point for the 10' 3 Post Wedge is the top leading edge of the wedge. The maximum dynamic penetration recorded was 0.73 ft. on the driver side of the vehicle. The maximum static penetration recorded was -0.20 ft on the driver side. The vehicle was disabled, and the pathway remained blocked after the impact.

Complete information relating to the test can be found in report number TR-P42286-01 and Deliverable No. 2022-6779 from Applus IDIADA KARCO Engineering, LLC., including test conditions, test vehicle information, test article specifications, and manufacturer drawings. This letter should not be considered complete documentation of the test without consideration of the test report and deliverable CD.

Sincerely yours,

A handwritten signature in blue ink, appearing to read "B. Ubina".

Brandon J. Ubina
Project Engineer
Applus IDIADA KARCO Engineering, LLC.