

Gibraltar
4303 Innovation Loop
Marble Falls, TX. 78654
Attention: Mr. JP Palacios

Date: 5/11/20

Mr. Palacios,

Based upon the test performed on May 4, 2020 at Applus IDIADA KARCO Engineering, the as-tested configuration of the Gibraltar G-Force M30 Post & Beam has received an impact rating of P1 at the M30 test level, based on the ASTM F2656-18a standard test method. This test evaluated the barrier for an impact to the center of the crash beam.

The barrier was evaluated using a standard test truck (M) weighing 15,285.5 lb. traveling at a velocity of 31.76 mph. The P1 penetration rating is given when penetration of the vehicle reference point beyond the barrier reference point is less than 3.3 ft. For the standard test truck (M), the vehicle reference point is the pre-impact location of the intersection of the leading lower vertical bed edge and the frame rail. The barrier reference point for the Gibraltar G-Force M30 Post & Beam is the protected (non-impact) side of the crash beam. The maximum penetration recorded was 0.6 ft. on the driver side of the vehicle. The vehicle pathway remained blocked after impact.

Complete information relating to the test can be found in report number TR-P40127-01 and Deliverable No. 2020-5847 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,



Nick Injev
Project Engineer
Applus IDIADA KARCO Engineering, LLC.