

CERTIFICATE

of passed testing program according to PAS 68:2013

TRANSPOLIS SAS test house located 620 Route des Fromentaux 01500 Saint-Maurice-de-Rémens (France) has performed on behalf of the hereunder mentioned company:

BLOCKAXESS - Groupe KLOZMANN
4 , Allée Victor Basch
42000 Saint-Etienne - FRANCE

The test which the reference is:

➤ **BLXDEF23379**



on July 27th, 2023, under the following conditions:

- Vehicle used: DAF LF45 (N2 type)
- Vehicle Weight at test: 7375 kg (7500 kg ± 150 kg)
- Actual Speed: 48.8 km/h (48 km/h ± 3 km/h)
- Angle of impact: 89.0° (90° ± 2°)

VSBS (Vehicle Security Barrier):

- Model VigiBlax AG (Above Ground)
- Anti-ram vehicle speed bumps
- height above ground 0.92m – width 2.22m – length 2.85m.

Test Results :

- The vehicle has been immobilized.
- The engine of the vehicle has been damaged and is unable to work.
- Vehicle static penetration distance from the rear face of VSB: 10.91 m.
- Vehicle dynamic penetration distance from the rear face of VSB: 11.01 m.
- Dispersion, maximum distance of major debris (>25kg): 7.85 m.
- Impact Kinetic Energy : 679 kJ

Performance rating: PAS 68:2013 Blocker V/7500(N2)/48/90:11.1/7.9

Saint-Maurice-de-Rémens, 2023-08-21


Nathalie YAGÜE
Test Department Leader

TRANSPOLIS SAS

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