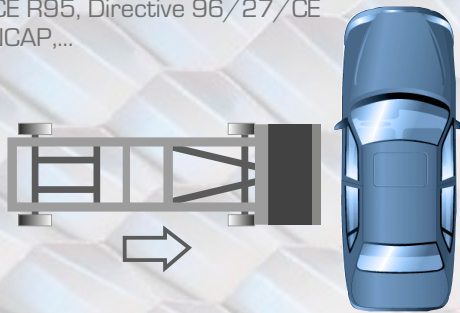


Description

The Mobile Deformable Barrier for European side impact (MDB) is a calibrated kinetic energy absorber used for full scale crash testing in automotive passive safety and crashworthiness field. This product is based on original works of the European Enhanced Vehicle-Safety Committee Working Group 13 (EEVC WG 13).

Based on the honeycomb technology, this barrier is particularly used by car manufacturers and test laboratories worldwide for the assessment of the passengers' protection in motor vehicles in case of side impact according to following standards:

- UN ECE R95, Directive 96/27/CE
- EuroNCAP,...



The side-impact test consists in throwing a trolley of 950 kg on the driver's side of the test vehicle. The front of the trolley is equipped with the aluminium deformable barrier, which aims at simulating the front of the impactor vehicle. The impact speed with the vehicle is defined for each test configuration. A dummy measures the likely injuries in this type of crash.

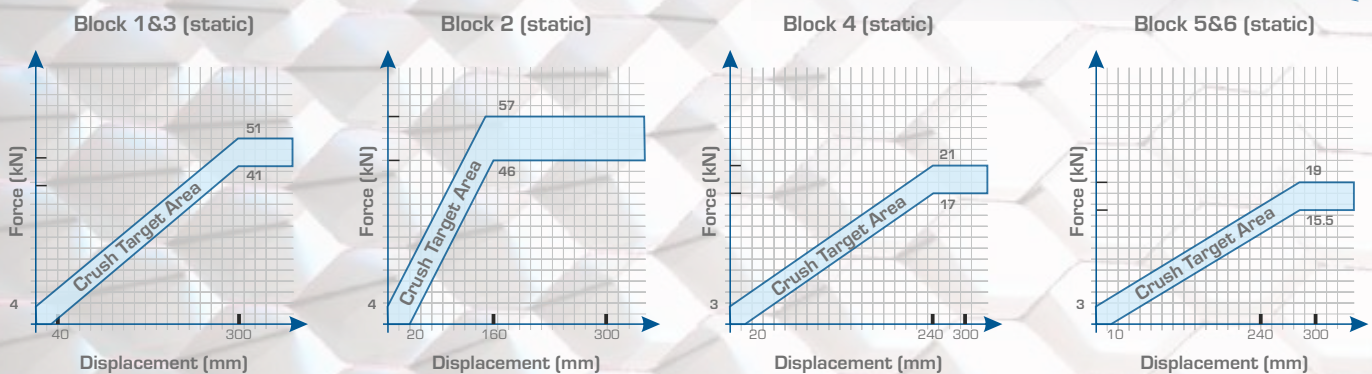
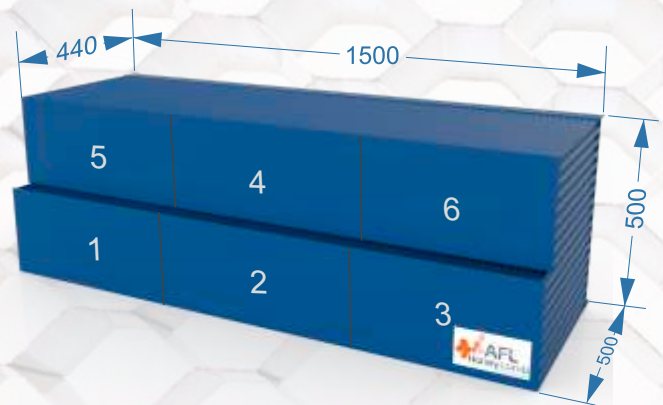
The total of the kinetic energy to be absorbed by the barrier is between 40 and 50 kJ.

Technical properties

The barrier is composed of :

- Aluminium sheets,
- Honeycomb deformable core $\frac{3}{4}$ inch cell size, 3003 and 5052 alloy,
- Two-part polyurethane adhesive,
- Painted Blue Anti reflective

The barrier is composed of 6 honeycomb blocks. Each block is chemically etched in order to have a progressive in depth resistance.



Packaging and delivery

Packaging : Individual cardboard box : 1600 x 600 x 720mm – 25,5 kg. Unit delivery under two weeks within European Union.
Blue anti reflective paint as standard , customized painting on-demand.
Certificate of conformity provided with the barrier. Quality management : ISO 9001 : 2015 certified



Vehicles **Safety**, our daily **priority**

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We have the solution that meets your passive
safety requirements... and if we don't, we'll create one!