

# Offset Deformable Barrier EEVC-WG11 Frontal Impact

## Description

Based on aluminum honeycomb technology, the AXAC frontal offset barrier (developed under EEVC-WG11) is used by car manufacturers and test laboratories worldwide for the assessment of motor vehicle passenger protection in frontal offset collisions.

The frontal offset impact replicates a collision with another vehicle. In this test, 40% of the test vehicle, on the driver's side, initially makes contact with a crushable aluminum honeycomb barrier at the impact speed defined by the standards requirements.

## Certifications

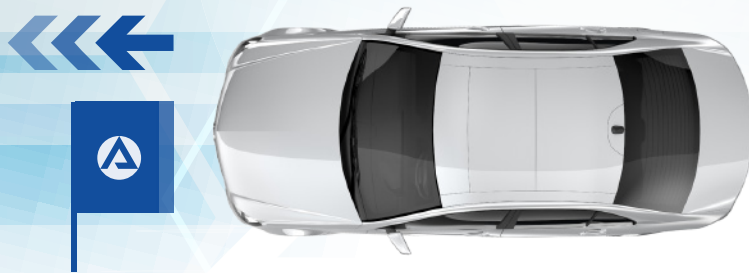
The AXAC Offset Deformable Barrier is certified for frontal occupant protection such as:

- + Europe - UN-R94 & ECE 96/79/EC
- + China - GB 20913-2007
- + USA - FMVSS 208
- + Japan - TRIAS 47-5
- + India - AIS-098/F
- + Australia - ADR 73/00

The AXAC Offset Deformable Barrier is certified for frontal NCAP tests such as:

- + Euro - NCAP
- + China - NCAP
- + USA - IIHS
- + Japan - NCAP
- + Korea - NCAP
- + Latin - NCAP, Asean - NCAP, Australia - NCAP

AXAC Offset Deformable Barrier is approved by IIHS. IIHS will accept verification tests from car makers using ARGOSY Offset Deformable Barriers.



## Technical Properties

**Main Honeycomb Block - Aluminum 3003**  
650 x 1000 x 450 mm  
Crush strength of 0.342 MPa +0/-10%

**Bumper Element Block - Aluminum 3003**  
330 x 1000 x 90 mm  
Crush strength of 1.711 MPa +0/-10%

**Backing Sheet - Aluminum 5251/5052**  
H 800 x W 1000mm  
T2mm

**Cladding Sheet - Aluminum 5251/5052**  
H 1700 x W 1000mm  
T 0.81 mm

**Bumper Facing Sheet - Aluminum 5251/5052**  
H 330 x W 1000mm  
T 0.81 mm

**Adhesive**  
Polyurethane

## Technical Specifications

The AXAC Offset Deformable Barriers are manufactured according to UN-ECE-R94 - European directive 96/79/EC, NHTSA TP-208-13 and fulfill the test procedure given in NHTSA TP-214D.

## Quality

AXAC has an approved ISO9001 Quality Management System, which demonstrates commitment to supplying customers with the highest quality products and services.

## Delivery

- + Certificate of Conformity provided with the AXAC Offset Deformable Barrier
- + Individual cardboard crate
- + Anti-reflective paint as standard
  - Blue anti-reflective paint as standard for Europe & Asia
  - Light grey anti-reflective paint standard for North America
  - Customized painting available

