

Moving Barrier FMVSS 214 and FMVSS 301R

Moving barrier for side impact tests according to FMVSS 214 test protocol and rear impact tests according to FMVSS 301R test protocol.

- Integrated brake system for emergency braking and second impact avoidance
- Camera stand always included
- Individually calibrated center of gravity and moment of inertia
- Easily adjusted wheel angle
- Convertible to moving barrier IIHS



TECHNICAL SPECIFICATIONS

Moving Barrier	
Weight (with deformation element and camera stand)	1,361 ± 4.5 kg
Dimensions (L x W x H) (without deformation element and camera stand)	3,632 mm x 2,095 mm x 888 mm
Height (with camera stand)	1,613 mm
Dimensions front plate (W x H)	1,677 mm x 660 mm
Front plate clearance height	228 mm
Center of gravity	X-axis: 1,123 ± 25 mm behind front axle Y-axis: 7.6 ± 25 mm left of centerline Z-axis: 500 ± 25 mm above ground
Moment of inertia	Around X / roll: 508 ± 25 kgm ² Around Y / pitch: 2,263 ± 113 kgm ² Around Z / yaw: 2,572 ± 129 kgm ²
Max. test speed	80 km/h
Brake System	
Brake system type	Hydro pneumatic disc brake on each wheel
Air operating pressure	6...7 bar
Switching voltage	24 VDC

Scope of supply

- Moving barrier FMVSS 214 and FMVSS 301R
- Hydro pneumatic brake system
- Camera stand
- Cable support tube for trailing cable
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Options

- Trailing cable system
- Hydraulic vehicle brake (radio-controlled)
- Moving Barrier IIHS conversion kit
- Deformation elements