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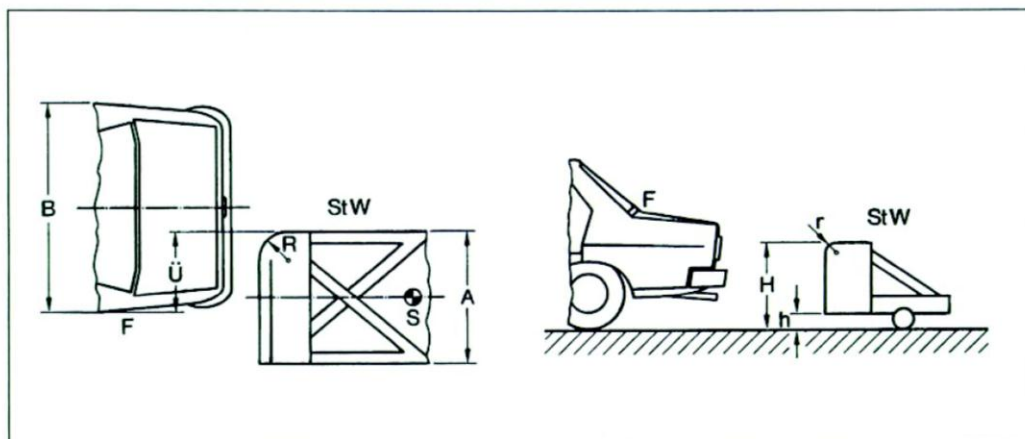
Rear collision

In this test arrangement the rear section on the driver's side is impacted by a moving barrier with an overlap of 40%.

As with the head-on collision, the test conditions are explained by way of a summarised commentary and a diagram.

The settings of fixed test conditions provide the basis for objective assessment of relative characteristics as between the various vehicle makes and models.

In addition to information produced by the set test conditions, in each case the dynamic vehicle distortion was measured and the extent of damage established as well as being recorded photographically.



Offset-crash 40 % overlap

Steering side impact

- F = Vehicle
- B = Vehicle width excluding mirrors
- Ü = 0,4 • B
- v_F = 0 km/h, unbraked
- StW = Moving barrier, free running before the impact
- m_{StW} = 1000 kg
- Wheelbase ≥ 1,5 m
- A = Width of moving barrier ≥ 1,2 m
- S = Centre of gravity of moving barrier in the middle plane

- H = Barrier height 700 mm
- h = Barrier lower edge 200 mm
- R = 150 mm
- r = 50 mm
- v_{StW} = 15,0 km/h + 1 km/h

Vehicle fitted with 1 dummy, 50 % male, driving position, secured with seat belt.

Fuel tank full with petrol or diesel, water also permissible.

Axle alignment and body gaps checked prior to and after the crash test.

Vehicle serviceable.

Source: Eurotax (International) AG