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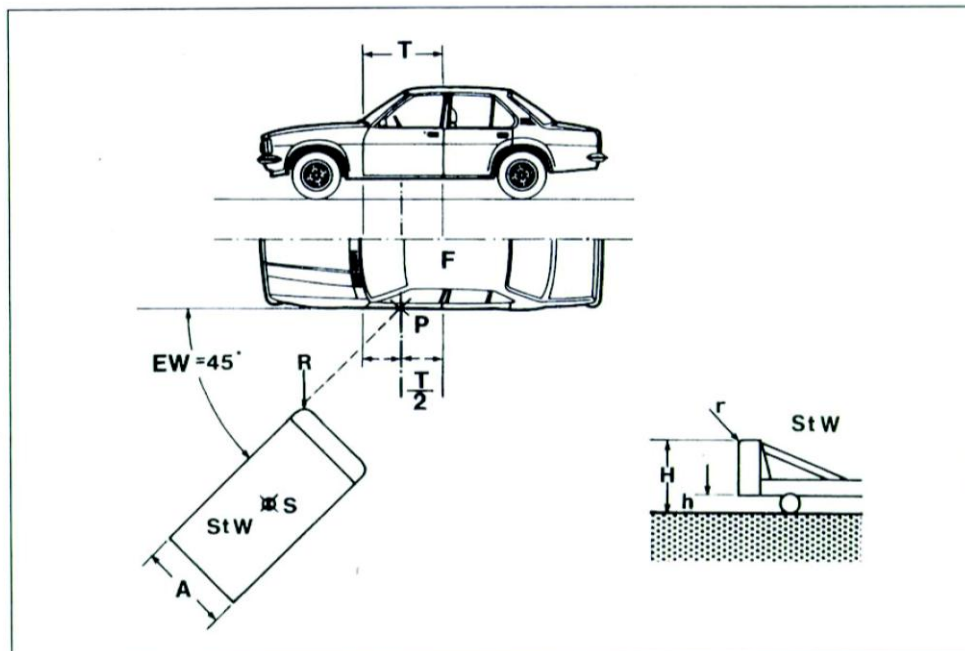
Side Impact

In this test arrangement the driver's side is impacted by a moving barrier at an angle of 45 degrees from the front, into the middle of the driver's door.

As with the head-on and rear 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, the extent of damage was established as well as being recorded photographically.



Side impact 45° against the middle of the driver's door

F = Vehicle
 T = Door width
 P = Reference point (middle of the door)
 v_F = 0 km/h, unbraked
 StW = Moving barrier, free running before the impact
 m_{Sw} = 1000 kg
 A = Width of moving barrier $\geq 1,2$ 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
 EW = Approach angle 45°
 v_{Sw} = 10 km/h + 1 km/h, free running

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