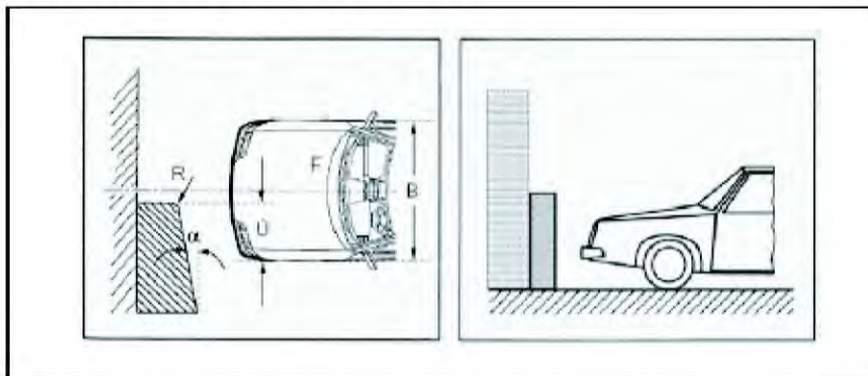


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(New RCAR Structural Test - 10°)


Test arrangement	The front of the vehicle is driven against a rigid angular barrier with an overlap of 40 % on the driver's side. Test houses may decide to test the other side of the car, if appropriate.
Reference width Overlap	B = Vehicle width without mirrors Ü = 0,40 x B
Vehicle	F = Vehicle Free of any exterior or propelling force at the moment of impact
Condition	Serviceable, battery connected, ignition „on“ Safety equipment (belt pretensioner, airbags) in function Air conditioning system drained and pressure checked Brakes released, gear lever in neutral position
Load	1 Dummy, 50% male, driving position, secured with seat belt Fuel tank filled with petrol or diesel, water also permissible
Measurements	Axle alignment and body gaps checked before and after impact Body alignment checked before and after impact Actual vehicle's mass in test configuration Vehicle acceleration on left and right sill (base of the „B“ post)
Barrier dimensions	
Barrier Angle	$\alpha = 10^\circ$ (also permissible at short barrier surface --)
Height	Barrier clearly higher than the vehicle front
Depth	No contact of the vehicle front with the wall adjacent to the barrier
Rounding	R = 150 mm
Impact speed	$V_F = 15.0 \text{ km/h } (+1/-0 \text{ km/h})$

Source: Eurotax (International) AG