



EuroSID-1

(Model 960715-000)



The EUROSID-1 is a Side Impact test device designed to the specifications stated in E.C.E. Regulation No. 95, Annex 6: Technical Description of the Side Impact Dummy. The EUROSID-1 was developed to evaluate occupant protection during lateral impacts.

The EUROSID-1 represents a 50th percentile adult male without lower arms. The head is from the Hybrid III 50th percentile dummy (part 572) and the legs are from the Hybrid II 50th. The thorax consists of three identical rib modules which can be assembled onto the spine box for either left or right hand side impacts. The abdomen is constructed of a polyurethane foam that incorporates curved, weighted rubber slabs. The shape of the pelvis assembly is representative of the human pelvis at points impacted in a side impact, and at points where the car seat and the belt interact with the pelvis. The removable iliac wings are constructed of special polyurethane plastic. A straight lumbar is used. A Neoprene® rubber suit covers the thorax, upper arms and lower pelvic region.

The EUROSID-1 is tested to the prevailing E.C.E. corridors specified for this device.

The calibration tests performed prior to shipment include:

- Head Drop (lateral)
- Neck Pendulum (lateral)
- Shoulder Impact
- Abdominal Impact
- Lumbar Pendulum
- Pelvis Impact
- Rib Module Assembly Drop Tower Test

Standard equipment included in the base price of this device:

- Chest Deflection Potentiometers
- Accelerometer mounts for head, T1, T12 and pelvis*
- Structural replacements for all load cells.

*User must specify the accelerometer manufacturer and type at the time of order placement

WEIGHTS:	Pounds (lbs.)	Kilograms
Head	8.8	4.0
Neck	2.2	1.0
Thorax	49.4	22.4
Arm	2.85	1.3
Abdomen	11.0	5.0
Pelvis	26.5	12.0
Leg	27.6	12.5
Total Weight	158.7	72.0

DIMENSIONS:	Inches	Centimeters
Seat to Shoulder Joint	21.9	55.6
Seat to H-Point	3.85	9.8
Seatback to H-Point	6.18	15.7
Buttock Knee Length	24.0	61.0
Shoulder / Arm Width	19.0	48.3
Pelvis Width	14.0	35.6
Sole to Seat, Sitting	17.95	45.6
Sitting Height	35.6	90.4

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Revision: 06/19/06