

EUROSID-1TM Test Dummy

Model Number: 960715-000



The EUROSID-1TM 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-1TM was developed to evaluate occupant protection during lateral impacts.

The EUROSID-1TM 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. The thorax consists of three identical rib modules which can be assembled in the spine box for either left or right hand side impacts. The abdomen is constructed of a metal casting covered with a polyurethane foam that incorporates curved, weighted rubber slabs. The shape of the pelvis bone 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. The rubber suit covers the thorax, upper arms and lower pelvic region.

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

Standard Equipment

- Rib Displacement Transducers • Triaxial Mounts for Head Accelerometer, Thoracic Spine Accelerometer and Shoulder Accelerometer. • Uniaxial Mount for Rib Module • Tested and Certified Head, Neck, Rib Modules, Abdomen, Lumbar Spine, Pelvis and Arm.

Optional Instrumentation

- Linear Potentiometer for each Rib • (3) Force Transducers in Abdomen • Load Cell in the Pubic Symphysis • Triaxial Accelerometer in Head • Triaxial Accelerometer in Shoulder Cavity • Uniaxial Accelerometer in Lower Spine Box • Uniaxial Accelerometer on each Rib • Triaxial Accelerometer in Sacrum Block

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WEIGHTS:	Pounds (lbs.)	Kilograms
Head	7.9 - 9.7	3.6 - 4.4
Neck	2.0 - 2.4	0.9 - 1.1
Thorax	46.1 - 52.7	20.9 - 23.9
Arm	2.6 - 3.1	1.2 - 1.4
Abdomen	9.9 - 12.1	4.5 - 5.5
Pelvis	24.3 - 28.7	11.0 - 13.0
Leg	25.3 - 29.8	11.5 - 13.5
Total Weight	157.6 - 159.8	71.5 - 72.5

DIMENSIONS:	Inches	Centimeters
Sitting Height	35.3 - 35.9	897 - 911
Seat to Shoulder Joint	21.7 - 22.1	552 - 562
Seat to H-Point	3.8 - 3.9	96 - 100
Seat to Arm	9.3 - 9.7	237 - 247
Buttock Knee Length	23.8 - 24.2	605 - 615
Shoulder / Arm width	18.8 - 19.2	477 - 487
Pelvis Width	13.8 - 14.2	350 - 360
Sole to Seat, Sitting	17.8 - 18.1	451 - 461