



SID/HIII

SID/HIII (Model 96-SIDH3-M001)



The SID/HIII, a combination of the SID and the Hybrid III 50th, was adopted into part 572 on September 1, 1998 for use in the Federal Motor Vehicle Safety Standard (FMVSS) No.201, Head Impact Protection.

The SID/HIII combines the body of the Side Impact Dummy (Part 572, subpart F) with the head and neck of the Hybrid III 50th male. A new neck bracket was designed for SID/HIII in order to sustain the seated height of the SID. Revisions to the SID's shoulder foam pads were also incorporated. The new dummy is approximately 1.2 lbs. heavier than the SID

SID/HIII is to be used in Standard 201 for the evaluation of 'dynamically deployed interior head protection systems'. The test involves a vehicle propelled sideways at a speed of 29 km/h (18 mph) into a 254 mm (10 inch) rigid pole.

The specifications and calibration requirements are now incorporated as Subpart M – *Side Impact Hybrid Dummy 50th Percentile Male* in the Code of Federal Regulations (CFR) Part 572, Anthropomorphic Test Dummies.

The calibration tests performed prior to shipment include:

- Head Drop (lateral)
- Neck Lateral
- Thorax Impact
- Pelvis Impact

Standard equipment included in the base price of this device:

- Chest Deflection Potentiometer
- Accelerometer mounts for head, T1, T12, upper and lower rib 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	10.0	4.5
Neck	278	1.2
Upper Torso	65.6	29.8
Lower Torso	36.9	16.7
Leg Assembly	27.5	12.5
Total Weight	170.2	77.2

DIMENSIONS:	Inches	Centimeters
Head Circumference	22.5	59.7
Head Width	6.1	15.5
Head Length	7.7	20.3
Buttock to Knee	20.4	51.8
Knee Pivot to Floor	19.6	49.8
Sitting Height	35.4	89.9