



SMALL FEMALE

Test Dummy



Model Number: 880105-0000

HYBRID

Creating the New Standard in ATD's



The Hybrid III Small Female ATD is a smaller scaled version of the Hybrid III-50th Percentile Male ATD. This ATD is used in test situations where the representation is needed for the minimum anthropomorphic dimensions for the adult female population. The Small Female designs and test corridors were established by the Society of Automotive Engineers (SAE) for the 5th Percentile representation. This latest revision improves the Small Female's ability to evaluate airbag dynamics in Out Of Position (OOP) testing. This ATD is specified under title 49 CFR Part 572, Subpart O and is provided completely tested and certified.

Some of the new design features incorporated into the updated Small Female include:

- ◆ Modified femurs with bumpers.
- ◆ 45 degree feet with ankle bumpers and heel pads.
- ◆ Cable bushings added to the lumbar spine and neck.
- ◆ Additional accelerometer mounts in the Thoracic Spine and Sternum for V*C measurement capabilities.
- ◆ Upper and lower rib stops.
- ◆ Modified chest jacket design.

The calibration and certification tests performed prior to shipment include:

- Head Drop
- Neck Flexion and Extension
- Thorax Impact
- Knee Impact and Knee Slider
- Torso Flexion

Standard equipment included in the base price of this test device:

- Chest Deflection Device
- Six Axis Neck Transducer Structural Replacement
- Accelerometer mounts for Head, Chest and Pelvis *User must specify the accelerometer manufacturer and type at the time of order placement.
- Anterior Superior Iliac Spine Load Cell Structural Replacement
- Tibia-Femur Displacement Transducers (One Pair)

WEIGHTS:	Pounds (lbs.)	Kilograms
Head	8.23	3.73
Neck	2.00	0.91
Upper Torso	26.50	12.02
Lower Torso	29.20	13.25
Upper Arms	2.60	1.18
Lower Arms	2.60	1.18
Upper Leg	6.90	3.13
Lower Leg	8.95	4.06
Total Weight	108.03	49.05

DIMENSIONS:	Inches	Centimeters
Head Circumference	21.20	53.85
Head Width	5.60	14.22
Head Length	7.20	18.29
Shoulder to Elbow	11.30	28.70
Buttock to Knee Length	21.00	53.34
Knee Pivot Height	16.00	40.64
Sitting Height	31.00	78.74
Standing Height (Theoretical)	59.10	150.11