



Hybrid III 95th Percentile Large Male

H-III95M (Model 880995-0000)



The Hybrid III 95th Percentile Large Male ATD is a larger scaled version of the Hybrid III-50th Percentile Male ATD. This dummy is used in test situations where the representation is needed for the maximum anthropomorphic dimensions for the adult male population. The 95th Male design and test corridors were established by the Society of Automotive Engineers (SAE) for the 95th Percentile representation. Although this dummy is not currently specified under Title 49 CFR Part 572, many manufacturers are using this device for research and development studies. FMVSS Standard 202 does require the use of the 95th Percentile for head restraint evaluation to reduce the frequency and severity of neck injury in rear end and other collisions.

New Design features incorporated into the 2002 release of the large male include:

- ◆ Neck and Lumbar cable isolation bushing
- ◆ 3 Thorax and 3 Sternum accelerometers
- ◆ ASIS load cell capability
- ◆ Ball Bearing Knee Slider

The Hybrid III-Large Male ATD is tested to the prevailing SAE corridors specified for this device.

The calibration tests performed prior to shipment include:

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

Standard equipment included in the base price of this device:

- Chest Deflection Device
- Knee Slider Potentiometer
- Accelerometer mounts for head, chest, sternum, thoracic 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	10.90	4.94
Neck	3.70	1.68
Upper Torso	49.20	22.32
Lower Torso	66.80	30.30
Upper Arm	6.20	2.81
Lower Arm w/ Hand	4.55	2.06
Upper Leg	18.10	8.21
Lower Leg w/ Foot	12.68	5.75
Total Weight	213.66	96.91

DIMENSIONS:	Inches	Centimeters
Head Circumference	22.5	57.15
Head Breadth	6.10	15.49
Head Depth	7.70	19.56
Shoulder to Elbow	14.0	35.56
Buttock to Knee	25.1	63.75
Knee Pivot Height	23.4	59.44
Sitting Height	36.8	93.47
Standing Height	72.8	184.91

Denton ATD, Inc. 10317 U.S. Highway 250 North, Milan, Ohio 44846-9570
 Tel (419) 625-5200 * Fax (419) 625-5335 * email: info@dentonatd.com * www.dentonatd.com

Creating the New Standard in ATDs

Revision: 06/20/02