

# III

# LARGE MALE Test Dummy



# HYBRID

Creating the New Standard in ATD's

**Model Number: 880995-0000**



The Hybrid III Large Male (95th Percentile) 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 designs 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.

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 Knee Slider
- Center of Gravity

**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)

<b>WEIGHTS:</b>	<b>Pounds (lbs.)</b>	<b>Kilograms</b>
Head	10.9	4.9
Neck	3.6	1.6
Upper Torso	49.2	22.3
Lower Torso	66.8	30.3
Upper Arm	12.4	5.6
Lower Arm	11.6	5.3
Upper Leg	36.2	16.4
Lower Leg	32.0	14.5
<b>Total Weight</b>	<b>223.0</b>	<b>101.4</b>

<b>DIMENSIONS:</b>	<b>Inches</b>	<b>Centimeters</b>
Head Circumference	23.5	59.7
Head Width	6.1	15.5
Head Length	8.0	20.3
Sitting Height	36.8	93.5
Shoulder to Elbow	14.0	35.6
Elbow to Finger Tip	18.8	47.8
Buttock to Knee	24.9	63.2
Knee Pivot Height	23.4	59.4