



# CRABI 12-Month-Old Child

CRABI (Model 921022-000)



The CRABI (Child Restraint Air Bag Interaction) 12-Month Old Child ATD was developed in 1993 by a Society of Automotive Engineers (SAE) Task Force for the purpose of testing forward and rearward facing child restraints.

The CRABI's head is constructed of a metal and fiberglass skull with a molded urethane skin. The neck is a segmented construction made of rubber and aluminum intervertebral discs. The torso is composed of a thoracic spine box, chest foam supports, chest foam and a torso flesh made of molded urethane with nylon netting reinforcement. The abdomen is open cell urethane foam. The pelvis assembly consists of an aluminum weldment with a flexible molded rubber spine and a mounting configuration for a six-channel load cell between the lumbar spine and pelvis. The limbs are aluminum and plastic bones molded into urethane.

*The CRABI 12-Month Old Child ATD is tested to the NHTSA corridors*

### The calibration tests performed prior to shipment include:

- Head Drop (frontal and rear)
- Neck Flexion and Extension
- Thorax Impact

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

- Accelerometer mounts for head, chest and pelvis\*
- Structural replacements for all load cells.

\*User must specify the accelerometer manufacturer and type at the time of order placement

<b>WEIGHTS:</b>	<b>Pounds (lbs.)</b>	<b>Kilograms</b>
Head	5.81	2.64
Neck	.84	.38
Torso	8.10	3.68
Arm	1.32	.60
Leg	2.31	1.05
<b>Total Weight</b>	<b>22.00</b>	<b>10.00</b>

<b>DIMENSIONS:</b>	<b>Inches</b>	<b>Centimeters</b>
Head Breadth	5.10	12.95
Head Depth	6.20	15.75
Shoulder to Elbow	4.20	10.67
Buttock to Knee Pivot	7.23	18.36
Knee Pivot Height	6.80	17.27
<b>Sitting Height</b>	<b>18.25</b>	<b>46.36</b>
<b>Standing Height</b>	<b>29.15</b>	<b>74.04</b>