



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 specified under Title 49 CFR Part 572, Subpart R

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

WEIGHTS:	Pounds (lbs.)	Kilograms
Head	5.81	2.64
Neck	0.84	0.38
Torso	8.10	3.68
Arm	1.32	0.60
Leg	2.31	1.05
Total Weight	22.00	10.00

DIMENSIONS:	Inches	Centimeters
Head Breadth	5.10	12.95
Head Depth	6.20	15.75
Buttock to Knee Pivot	7.23	18.36
Knee Pivot Height	6.80	17.27
Hip Pivot From Backline	1.78	4.52
Hip Pivot Height	1.30	3.3
Sitting Height	18.25	46.36