

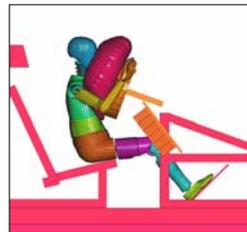
Frontal Dummies Latest Developments

Page 1



Hybrid III Adult Models

- Hybrid III 5th percentile female
 - Latest release: v4.0
 - Mesh refinement for improved restraint interaction
 - Contacts consolidated (MPP performance)
- Hybrid III 95th percentile large male
 - Latest release: v2.4
 - Previous model had ~130k element
 - Meshes optimised in arms and legs
 - V2.4 has ~100k elements (runtime)

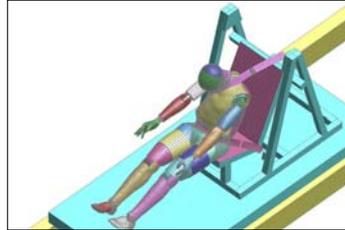
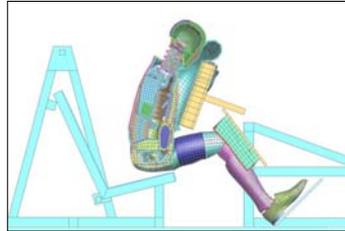
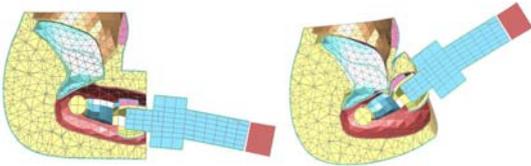


Page 2



Hybrid III Adult Models

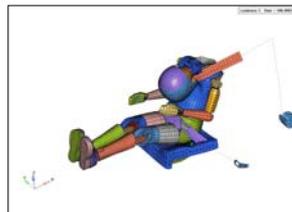
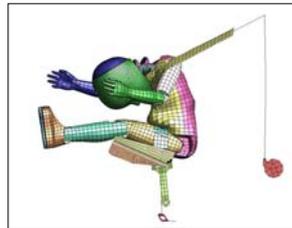
- Hybrid III 50th percentile male
 - Latest release: v5.0 (Due 22nd April '05)
 - Pelvis remodelled for improved hip rotation range of motion test
 - Removal of all contact penetrations or crossed edges



Page 3

Hybrid III Child Models

- Hybrid III 3 year old
 - Latest Release: v3.4
 - Updated for severe robustness tests
 - Contact Penetration Removal
- Hybrid III 6 year old
 - Latest Release: v3.1
 - Updated for severe robustness tests
 - Contact Penetration Removal



Page 4

Future Model Releases

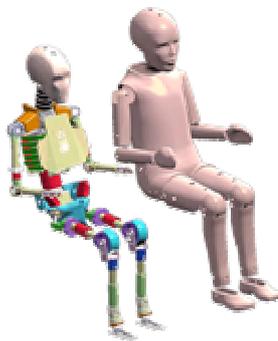
Hybrid III 10 yr old
Thor-Lx Legs
Q3 Child

Page 5

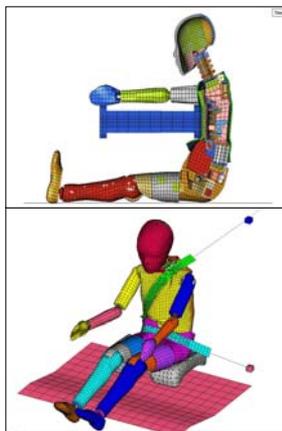


Hybrid III 10 year old

- Model release date: 29th April 2005



Hybrid III – 10 yr old



Page 6



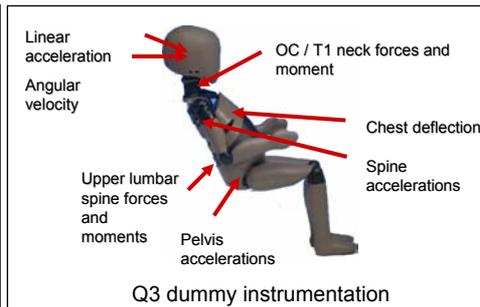
Thor-Lx Leg Model



- Improved moment-rotation characteristic of the ankle joint
 - Dorsiflexion, plantarflexion, inversion and eversion match biofidelic data.
- Achilles Tendon Cable
 - Controls axial force along tibia Vs My tibia moment. Matches Cadaver data.
- Tibia guard and lower knee bumper
 - provide a continuous loading surface in front impact and prevents damage to the tibia and instrumentation
- Thor-Lx legs model will be supplied fitted on the standard H3-50 model
- Model Release date: June 2005

Q3 Child Dummy

- Replacement for P3 dummy
- Model release planned for Jan 2006





Dummy Infoday

Thank you for
your time and
attention!

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