Model Information:
Name: Blast Analysis
Units: mm, Mg, sec, N, MPa, N-mm

Blast Analysis Information:
- ENCLOSURE Info
  - steel protective enclosure
  - containing 16 breathable-compressed-air bottles for use in coal mines
  - dimensions: 3 meters x 2 meters x 0.75 meters
  - enclosure thickness: several gauges
  - blasted surface thickness: 4.75mm
  - blasted surface supported by 7.90mm vertical c-channels
  - enclosure material: MAT24 AISI1045HR
  - assembly mass: 4195 kg (enclosure + 16 bottles with breathable compressed air)

- BLAST Info
  - 20 kg C-4 (22.8 kg TNT)
  - semispherical ground level explosion
  - 1 meter in front of the enclosure

X3Dcae LLC is the first and only CAE firm in West Virginia performing Finite Element Analysis with LS-DYNA since 2006
The services provided by X3Dcae LLC are LS-DYNA Analysis for Product Development and Industrial R&D, FEA training for CAE teams and High Quality Meshing

Analysis Software: LS-DYNA (LSTC)
Pre/Post Software: ANSA/µETA (BETA CAE)

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