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1. Create parts either in Abaqus either with other software and then import in Abaqus. 2. Create an assembly in a way that bullet is in a position right before the impact. 3. Define boundary conditions: probably wall or other structure had constrained nodes, and for bullet CREATE PREDEFINED FIELD - impact velocity. 4. Define contact.

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bullet impact on composite plate using abaqus simulation of a 7.63x39 mm bullet impact on a 50 cm x 50cm woven kevlar 49/ epoxy plate, determining the failure and damage criteria, and number of plies required to stop the bullet using abaqus. Abaqus Bullet Impact The analysis is done using the ABAQUS/Explicit FE Package and the damage growth law is

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Abaqus Impact Analysis Tutorial

Solid work 2012 and Abaqus 6.10software were used to model and simulate the composite bullet resistant body armor respectively. ... by a projectile of 7.62x39mm bullet impact load at 10 and 50meters and the weight of modeled composite body armor was 0.9kg.

Modeling and Simulation of Bullet Resistant Composite Body ...

problem, which has been performed using a finite element code. ABAQUS-Explicit with a fixed mesh for the bullet and plate. To define the thermoviscoplastic behaviour of the material constituting the plate, the Johnson–Cook model has been used. This homogeneous behaviour has been coupled with the Johnson–Cook fracture criterion to

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