

EXPERIMENTS WITH A SMALL-SCALE BLOCK IN THE EMI MODEL-SIMULATOR

AMANN,H.O.

For testing scaling laws of blast loaded models and evaluating loading functions, in the EMI simulator, which is a model of the large blast simulator of Reiteralpe, as well as in the simulator of Reiteralpe a block has been tested (EMI: 48x48x96 mm, Reiteralpe: 2x2x4 m).

The tests were done first with a model placed on the ground and after that with the same model but put up on four stilts as simulation of a military truck.

For incident shock overpressure of 0.3; 0.5; 0.7; 1.0 and 1.2 bar, pressure measurements of different locations at the front, rear, side top and bottom were made.