

EXPANDING THE TNT BLAST WAVE BASELINE DATA

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ABSTRACT

In this contribution, we present results of a collaborative international effort during which we successfully expanded our small-scale 'on-campus' TNT baseline with data measured for charges ranging from 1 kg to 100 kg. The charges were made from a corresponding number of 0.5 kg demolition charges with overall geometry close to a cube and centrally bottom initiated on the ground. The blast wave parameters were measured by two independent groups using pencil probes of the two main manufacturers (PCB and Kistler). The results were independently evaluated and then compared with our small-scale data set and also with the data from UFC 3-340-02.