

# IMPULSIVE LOADS ON MODELLED SCALED TARGETS

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Large improvised explosive devices (IED's) are modelled down to a 1/5 scale, where the charge weight is reduced by the factor 125 ( $1/5^3$ ) and the distances by the factor of 5. In scaled modelled tests the transferred impulse was measured at three different ways:

- a. The total transferred impulsive load by the movement of the target on a sled on sand ground.
- b. Electric measurements of the pressure and the impulse histories with Kulite electric sensors.
- c. Measurement of the velocities of momentum cylinders.

Background theory, test set-ups, received results will be presented and in detail discussed.