

COMPARISON OF BLAST WAVES BETWEEN POROUS POWDER AND TNT

TUOKKO,S.

It is useful to know what happens and what is the pressure wave like, when the powder explodes. We have exploded powder in the pressure chambers and in the shock tube, charge changing from 0.1 to 7 kg. Results of about 100 shootings are presented. We have exploded same amounts of TNT at the same places and the results of Powder and TNT are compared. We have measured the pressure wave, which comes from coast gun itself when shooting. Also these results are compared with the pressure wave of TNT-charges.