Axial distribution characteristics of fragments of the warhead with a hollow core

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Highlights

- Fragmentation characteristics of warheads compacted with hollow-charge were studied.
- The fragment distributions were determined by the processing of witness plates.
- The fragment velocity distributions were determined by a flash-radiography method.
- A formula was proposed to predict the fragment velocity of warheads with hollow core.
- The formula showed good agreement with the experimental and numerical results.