

DEVELOPMENT AND FULL-SCALE TESTS OF UNIFIED SOUND SUPPRESSORS FOR SMALL ARMS

The paper deals with information about the authors' works on the improvement of the firearm sound suppressor design and optimization of the performance.

Designs of unified sound suppressors developed by the authors and the results of full-scale tests for reduction in the discharge noise level using these sound suppressors are presented. Results of comparative full-scale tests of sound suppressors developed by the authors and the ASE Ultra S-series sound suppressor are reported.

Data about the results of tests of the life of one of the basic sound suppressors, causes of its failure and precautions taken to improve the life of this sound suppressor under extreme operation conditions are provided. The basic characteristics of unified sound suppressors developed by the authors and data about the types of the host hand firearm are presented.

Keywords: *sound suppressor, unification, basic models, development and introduction.*

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