

[1]齐杏林,姜波,贾波,等.弹药保温时间试验研究[J].弹箭与制导学报,2012,6:74-76.

QI Xinglin,JIANG Bo,JIA Bo,et al.The Experiment Study of Heat Preservation Time of Ammunition[J].,2012,6:74-76.

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弹药保温时间试验研究(PDF)

《弹箭与制导学报》[ISSN:1673-9728/CN:61-1234/TJ] 期数: 2012年第6期 页码: 74-76 栏目: 弹药技术 出版日期: 2012-12-25

Title: The Experiment Study of Heat Preservation Time of Ammunition

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关键词: 弹药保温; 弹药储存; 试验研究

Keywords: ammunition heat preservation; ammunition storage; test study

分类号: TJ410

DOI: -

文献标识码: A

摘要: 鉴于我军弹药保温时间过长,为了准确得到弹药保温所需时间,对弹药保温展开试验研究。利用传热学理论对弹药保温过程中的传热特性进行分析,建立弹药保温传热学模型,通过试验得到弹药温度场分布与保温时间的关系及弹药保温所需时间。结果证明了现行军标规定保温时间确有很大压缩空间。

Abstract: In view of long heat preservation time of ammunition, in order to gain accurate time to condition fullness, the experiment study of heat preservation time of ammunition was carried out. In the paper, the process of the ammunition's temperature conditioning was analyzed based on the theory of transmit heat. The model of heat preservation of ammunition was established. The relation of the distribution of ammunition's temperature field with the time of heat preservation and the time of heat preservation were got. The result approves the time of the ammunition temperature conditioning can be compressed a lot. The study provides

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