

BASING OPTIONS AND USAGE MODELS UNMANNED BOATS ON SURFACE SHIPS AND VESSELS

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This article, based on foreign media reports, examines the options for basing and using unmanned surface vehicles (USV) on surface ships and vessels. The use of USV has become possible due to advancements in the development of automatic launch and recovery systems (LARS) for ships. It is noted that the development of LARS for USV based on surface ships and vessels is a complex technical challenge. Different types of LARS are used for lowering and raising the USV, and their design varies depending on the type of vessel, the location (on the deck or inside the hull), and the weight of the USV. The article provides information about 11 types of LARS, the most advanced of which can perform lowering and raising operations in seas with waves up to 6 points.

Keywords: unmanned boat, automatic launch and recovery device (LRD), surface ship, carrier vessel, operating conditions.

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