DEVELOPMENT OF TENNIS BALL LAUNCHER FOR ANTENNA INSTALLATION IN EMERGENCY CONDITION

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ABSTRACT

The antenna is part of an important means of communication that serves to catch the signal. In normal conditions the antenna is a simple problem, but in conditions of emergency (e.g. military applications, disaster, tents etc.). We are required to install or remove the antenna in a short time and in conditions of limited self. To install or remove the antenna with a quick, needed a tool that is a Tennis ball launcher modified.

The success of the work of this tool depends on the accuracy of the design process and is done to avoid leakage at the connection - the connection pipes, because it can reduce the performance of equipment or even not working as we expect. The principle of this tool is a tennis ball throw / ballast which has been attributed to strap onto the target that we want. Usually the target is needed can be a tree, building, or tower.

At this Final Project designed by equipments which can be spaced by its shoot according to requirement. Results stake - have been tested up and enhanced. From result design - develop; build this appliance is installation / release in a condition emergency can be quickly.

Keyword: Antenna, signal, performance, pnumatic, emergency.
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