



PROGRAM
EXECUTIVE
OFFICE
SOLDIER

MODULAR LIGHTWEIGHT LOAD-CARRYING EQUIPMENT (MOLLE)

Project Manager Soldier Protection and Individual Equipment

Product Manager Soldier Clothing and Individual Equipment

<http://www.peosoldier.army.mil>

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Specifications

- **Component materials:** Water-repellent, military-specified fabrics and composites
- **Weight:** MOLLE Large Rucksack with frame and straps, 8 pounds empty; Medium Rucksack, 5.75 pounds; Tactical Assault Panel (TAP) with rifleman pouches, 4 pounds
- **Size:** One size
- **Color:** Universal Camouflage Pattern; Operation Enduring Freedom (OEF) Camouflage Pattern for Soldiers deploying or deployed to OEF

Program Status

Fielding of the MOLLE system and components continues

"I liked the Medium sized pack, often times the current assault pack is too small and the current rucksack is a little too big so we now have that go between."

— SGT William Robert Haley



The Modular Lightweight Load-carrying Equipment (MOLLE) system allows the Soldier to tailor individual loads to meet mission requirements with modular, flexible equipment.

The MOLLE system is an integrated, modular load-carrying system designed for a variety of configurations. MOLLE owes its modularity to the use of PALS, the Pouch Attachment Ladder System, a grid of webbing that consists of rows of heavy-duty nylon stitched onto load-carrying platforms such as backpacks and vests. It permits attachment of various MOLLE compatible items such as holsters, magazine pouches, radio pouches, knife sheaths, and other gear. The wide variety of pouches allows Soldiers to tailor their load-carrying equipment to specific mission needs.

The basic MOLLE system is configured with the following items: Large Rucksack with an external frame and webbing to accommodate added components; the Tactical Assault Panel (TAP) with webbing; Waist Pack; Assault Pack; and Hydration System, all with compatible pouches and pockets. The MOLLE system's task/mission-specific sets are the Large Rucksack Set, Medium Rucksack set, Rifleman Set, Pistolman Set, Grenadier Set, SAW Gunner Set, and Medic Set.

Recent improvements to the MOLLE include:

- Replacement of the Fighting Load Carrier with the Tactical Assault Panel, which is compatible with the safety release mechanism of the Improved Outer Tactical Vest and Soldier Plate Carrier System
- The introduction of a 3,000-cubic inch Medium Rucksack to fill the gap for 3-day missions/72-hour packing list



Medium Rucksack

Large Rucksack