

Easy and safe – Missile Loader Wing Stations



Transporting, positioning, loading and unloading missiles and Flight Profile Recorder on F/A-18 C/D military fighter aircraft for all wing stations is a straightforward and compact task when you rely on RUAG Aviation's ground support equipment. The RUAG Missile Loader Wing Stations (MLWS) enables the loading of different types of missiles with minimum handling and maximum flexibility. This MLWS is also a smart and effective solution for meeting employee health and workplace safety regulations.

Safe in handling

The MLWS features a hydraulic power supply which allows for a direct handling interface, independent of electrical power and other external power sources. The compact unit's payload table is stabilised for transporting and positioning missiles. The MLWS is controlled directly, increasing workplace safety and contributing to employee health. Maintenance is kept simple and straightforward and RUAG guarantees product life cycle support. The complete unit is protected from electrostatic discharge (ESD).

Easily adaptable

Providing steady missile handling and streamlined loading/unloading for an effective payload availability, the MLWS was developed to install and remove missiles on the dual launcher on all wing stations. A built-in adapter, the quick-change mechanism, accommodates different types of missiles such as AMRAAM, AIM-9X and FPR-POD within a short time.



System Capabilities

Platform	Wing Stations	Launcher	Missile/POD
F/A-18	2, 3, 7, 8	LDP/DL	AIM-120B
F/A-18	2, 3, 7, 8	LDP/DL	AIM-120C-7
F/A-18	1, 9	LAU-7	AIM-9X
F/A-18	1, 9	LAU-7	FPR

Technical Data

Nomenclature	MLWS
Weight:	480 kg
Loading weight max:	170 kg
Length (without shaft):	260 cm
Width:	88 cm
Height:	93 cm
Loading weight max:	170 kg
Bottom Position (missile centerline):	83 cm
extendable to (missile centerline):	242 cm



Product Features

Product features	Customer advantages
Simple handling	Streamlines process and contributes to workplace safety
Hydraulic power, direct handling interface	Operates independently of electrical and external power supply for process control
Multifunctional equipment use	Allows flexibility for full spectrum of payload types using the built-in quick-change adapter
Steady, straightforward construction	Maintenance is simple and corresponds to the manual