

# MODULAR ADVANCED LIGHTWEIGHT TRAINING SYSTEM (MALTS™)

## Lightweight, electro-mechanical training solutions

### MAXIMIZE TRAINING EFFICIENCY

Modern air combat missions may necessitate precision bombing skills for strike and close air support (CAS). These safety-critical skills take time and training to develop. The MALTS practice bomb carrier is a lightweight carriage designed to maximize training efficiency for pilots and joint terminal attack controllers (JTACs). By combining air combat maneuvers (ACM) and CAS in a single mission, MALTS helps users gain proficiency in less time – reducing training hours.

MALTS two-station (2STN) and four-station (4STN) carriers allow for a wide range of mission loads and scenarios. The system uses training ammunition, permitting more rehearsals in multiple combat modes for each sortie.

The 2STN is undergoing evaluation for use with enhanced laser guided training rounds (ELGTR) which increases mission versatility. The 4STN carries up to four practice stores allowing more drops per sortie while minimizing drag. MALTS can remain on the aircraft once empty, enabling users to complete ACM without returning to base to remove the system. Users do not need to clean the unit or replenish consumables, such as pyrotechnic cartridges, between sorties.

MALTS is currently in use on turboprop training platforms and front-line fighters in several countries using a wide array of training bombs.



2STN with single ELGTR on F-16



### BENEFITS

- > Small frontal cross-section decreases drag which reduces fuel consumption
- > Lightweight unit design allows for heavier payloads
- > Carriage of multiple training rounds simulates complex missions simultaneously
- > Common family of modules simplifies ground crew training across the fleet

## OPERATIONS

- > MALTS requires no post-mission servicing, has no sortie consumables (pyro cartridges, etc.) and does not use any wet lubricants or anti-corrosion treatments
- > Maintenance is limited to an annual inspection
- > MALTS 2STN carrier is a single-person lift

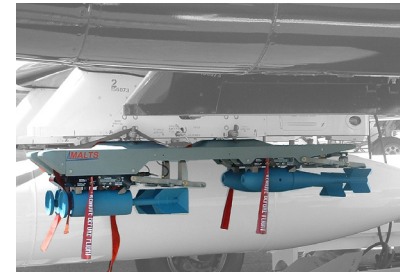
## APPLICATIONS

- > MALTS 2STN carrier is approved for use on the F-16 Fighting Falcon and is used by several European air forces
- > MALTS 4STN carrier is in use with training aircraft such as the Strikemaster and KT-1

PARAMETER	SPECIFICATION	
Store release unit	MALTS 2STN	MALTS 4STN
Unloaded weight	20 kg / 44 lbs	33 kg / 72.5 lbs
Unloaded dimensions LxWxH	1386 x 168 x 260 mm 54.6 x 6.6 x 10.2 in	1387 x 197 x 288 mm 54.6 x 7.75 x 11.3 in
Max store weight	1 x 40.5 kg / 89 lbs or 2 x 11 kg / 25 lbs	4 x 11 kg / 25 lbs
Compatible stores	BDU-33 BDU-48 Mk-76 Mk-106 ELGTR (in development)	BDU-33 BDU-48 Mk-76 Mk-106
Store interface	Single 46 kg / 100 lbs, per MIL-STD-8591	Single 46 kg / 100 lbs, per MIL-STD-8591
Aircraft interface	Twin 14-inch lug wells to accept NATO bale or MACE lugs	Twin 14-inch lug wells to accept NATO bale or MACE lugs



2STN with two Mk-106 on F-16



4STN with two Mk-106 and two Mk-76



4STN with four BDU-33 on KT-1



4STN on Strikemaster

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