



Joint Direct Attack Munition Extended Range (JDAM ER)



EXTENDED RANGE WING KIT

Enhanced Operational Flexibility

Joint Direct Attack Munition Extended Range (JDAM ER)

MK-82 JDAM ER is an affordable, modular, standoff range extension kit, which provides the warfighter with enhanced operational flexibility.

Enhanced Capability

Joint Direct Attack Munition Extended Range (JDAM ER) is an accurate and reliable extended range glide weapon. The JDAM ER weapon includes a low-cost, modular, extended range wing kit that can be readily installed on existing Joint Direct Attack Munition (JDAM) MK-82 500-lb weapons in the field. Additionally, the wing kit can also be used with an MK-82 Laser JDAM weapon.

JDAM ER provides the warfighter more than triple the range of the combat-proven JDAM. The JDAM ER capability increases the number of targets that can be prosecuted from outside the range of most air defenses while retaining the baseline JDAM GPS-aided system accuracy and impact condition control for optimal weapon performance. JDAM ER has demonstrated performance of greater than 40 nautical miles. JDAM ER, when combined with the Laser JDAM kit enables precision accuracy for both stationary and moving targets.

Mission Flexibility

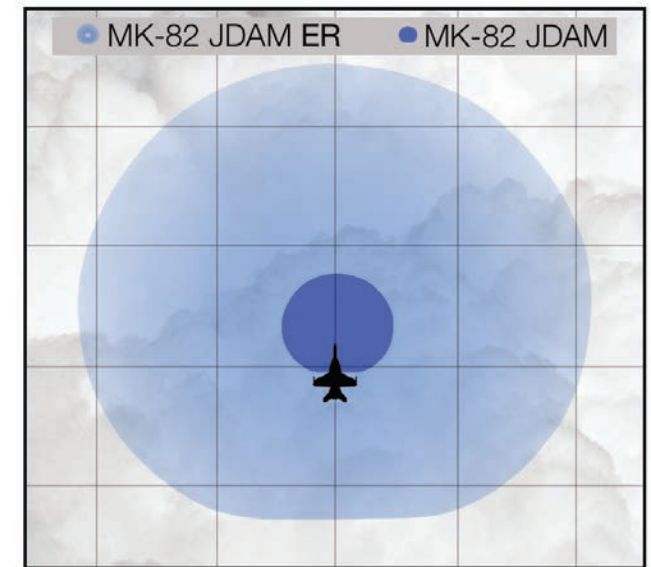
The addition of the Extended Range (ER) wing kit to the JDAM weapon provides the warfighter:

- Enhanced operational flexibility
- Placement of threats at risk over larger areas
- Ability to prosecute more targets on a single pass
- Simplified aircraft route planning

JDAM ER dramatically increases the warfighter's ability to attack off-axis targets while maintaining aircraft heading. The JDAM weapon can easily be mission tailored by installing or removing the modular ER wing kit as required, which provides operational flexibility to the warfighter.

Cost-Effective Aircraft Integration

JDAM ER utilizes the existing JDAM aircraft interface and requires no changes to aircraft software on platforms that currently interface with JDAM. JDAM ER provides In-Weapon Launch Acceptable Region (LAR) computation in the same format as the baseline JDAM for simplified aircraft employment. Aircraft compatibility test requirements can be minimized by leveraging previously completed aircraft integration testing. JDAM ER retains the baseline JDAM's simple logistics approach for field support and storage.



JDAM ER Range and Footprint Comparison



RAAF Photo



RAAF Photo

The Boeing Company

PO Box 516
St. Louis, MO 63166-0516

www.boeing.com

Copyright © 2023 Boeing. All rights reserved.
280484 | Printed in USA | 5/15