

Anti-Personnel Obstacle Breaching System (APOBS)



The MK7 MOD2 Anti-Personnel Obstacle Breaching System (APOBS) is produced by EBAD™ to meet the requirement for a two-man portable line charge system. It is designed to clear a breaching path approximately 148' (45 m) in length by 2' (0.6 m) wide through anti-personnel minefields and wire obstacles during tactical assaults.

KEY FEATURES:

- Qualified and Type Classified by USMC and US Army
- Tested and certified (IM) requirements
- Meets MIL-STD-1316 fuze board safety requirements
- Two-man system
- Quick and portable breaching solution
- Used in many environments and terrain

APPLICATION:

Footpath clearance through:

- Antipersonnel mines (AP)
- Wire obstacles
- Booby traps
- IEDs

PROPERTIES:

- 108 grenades connected with Detonating Cord
- Launched by small rocket motor
- Set up time of 2 minutes
- System can be operated in delay or command mode
- 82' (25 m) stand-off from the target
- Two backpacks – each backpack is 60 lbs (28 kg)
- Equivalent to 27 sections of Bangalore Torpedo
- Aluminum shipping and storage container
- Inert trainer version available

EX-2004090200
Articles, Explosive, N.O.S. UN0468
1.2E

ANTI-PERSONNEL OBSTACLE BREACHING SYSTEM (APOBS)

| SYSTEM WEIGHT | | DEPLOYMENT TIME | EXPLOSIVE TYPES | LENGTH OF BREACH | | WIDTH OF BREACH | | STANDOFF DISTANCE | | DODIC | |
|---------------|----|-----------------|--|------------------|----|-----------------|-----|-------------------|----|-------|------------------------------|
| lbs | kg | | | m | ft | m | ft | m | ft | | |
| 125 | 56 | 30-120 sec | Grenades – PBXN-10 Detonating Cord – PBXN-8 | | 45 | 147.6 | 0.6 | 2 | 25 | 72.2 | MN79 NSN 1375-01-508-4975 |

OPERATION:

APOBS is designed for simple set up and deployment to breach a safe path through obstacles.

SYSTEM DEPLOYMENT:

1. Position backpacks on the ground
2. Set launch rod in the forward holder
3. Place rocket motor on the launch rod
4. Remove the safety pins from the fuzes
5. Connect fuzes to line charges
6. Connect line charges together
7. Remove non-electric initiator, retreat to a safe position
8. Initiate rocket launch
9. System flies over and drapes across the mine/obstacle field
10. Line charge detonates after eight second delay

Attention: The information and recommendations described in this brochure cannot possibly cover every application of the products or variation of conditions under which the products are used. The recommendations herein are based on the manufacturer's experience, research and testing. They are believed to be accurate, but no warranties are made, express or implied. In addition, the specifications contained herein are all nominal which represent our current production. The products described may be subject to change. Please feel free to contact Ensign-Bickford Aerospace & Defense Company for verification. No Warranties or Liabilities: THE PRODUCTS DESCRIBED HEREIN are sold "AS IS" and without any warranty or guaranty, express, or implied, arising by law or otherwise including without limitation any warranty of merchantability or fitness for a particular purpose. Buyer and user agree further to release and discharge seller from any and all liabilities whatsoever arising out of the purchase or use of any product described herein whether or not such liability is occasioned by seller's negligence or based upon strict products liability or upon principles of indemnity or contribution. Content©2025 Ensign-Bickford Aerospace & Defense Company, Simsbury, CT 06070, U.S.A.

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