



MODULAR WALL CHARGE (MWC)

The Modular Wall Charge (MWC) is a single man-portable, self-contained breaching system comprised of modular components.

Three main parts of the system are the:

- **Charge Rungs:** Made from injection molded plastic and filled with PBXN-110. The charge has a 23 gram Slip on Booster centered in the charge to allow easy routing of the detonating cord allowing users to tailor the charge for their needs.
- **Detonating Cord:** 50 gr/ft type 1 E that is used to initiate the ladder rungs.
- **Charge Form:** Custom form that can quickly secure 3 to 9 rungs. Charge form is made from a rugged flexible material that can be rolled up for easy carry.

APPLICATION:

The system defeats a number of targets:

- Brick walls
- CMU walls
- Reinforced concrete walls
- Non-reinforced concrete walls
- Adobe walls

PROPERTIES:

- Velcro attachment allows for easy configuration of rungs for variety of targets
- Rolls up to improve mobility
- Booster well allows for easy threading of 50 gr/ft type 1 E detonating cord
- Assembles in less than one (1) minute
- Total time on target less than 30 seconds
- Easy-to-follow instructions
- Rung weight of approx. 3.5 lbs (1.58kg)
- Net explosive weight of each rung is 2.4 lbs (1.06kg)
- Rung/form size: rungs are 1.25" (3.175 cm) W, 2.2" (5.588 cm) H, 25" (63.5 cm) L. Charge form is 25" (63.5 cm) W, 36" (91.44 cm) L

PACKAGING CONTENTS:

- DoD certified wood crate
- 1 x instruction card
- 10 x Modular Wall Charge rungs
- 2 x 5ft (1.524 m) length of 50 gr/ft type 1 E detonating cord
- 2 x charge form

OPERATION:

1. Remove system from packaging
2. Place charge holder flat on the ground with numbers and lines facing down, attach preferred adhesive tape
3. Flip the charge holder over and attach desired amount of rungs for desired effect (charge holder is number marked for proper spacing)
4. Tie a knot in one end of detonating cord, feed cord through booster wells for each rung, and tie a knot on the other end
5. Roll up charge for short term storage and transport to the target
6. Unroll charge and attach to wall using preferred adhesive tape and/or prop stick
7. Attach preferred initiation system, EBAD recommends attaching to center of charge to allow middle rungs to detonate first
8. Retreat to safe standoff distance, the charge is ready to function



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