

Exothermic Breaching Torches

BROCO[®]

PC/TACMOD1, PC/MTMODAL, PC/MICROMOD1

Exothermic torches were originally conceived and configured for demolition & maintenance applications involving the rapid cutting of thick metal, or unusual metal alloys. It was this capability which eventually led to 'Thermal Breaching,' the use of exothermic torches for the removal of metal barriers by military, law enforcement and rescue personnel.

Exothermic torches are extremely portable, powerful and easy to use. Oxygen gas and a consumable cutting rod are the 'fuel' for this 10,000°F fire. Environments include Urban Operations, Armored Vehicle Rescue and Maritime Breaching.



PC/TACMOD1, Backpacked Torch Set

Featuring a Molle backpack set, submersible oxygen regulator, light-weight aluminum torch w/secondary flow control valve, 5' long operational hose and cables w/ 15' long extensions (20' OA length) the PC/TACMOD1 continues to set the standard for exothermic breaching equipment. Cut steel plate in excess of 3" thick; or cut 7 linear feet of 1" thick mild steel in minutes.

PC/MTMODAL (PC/MTMOD1), Mini-Tac Torch Set

Broco Mini-TAC (models PC/MTMODAL & PC/MTMOD1) has awesome exothermic power in a compact package. Each oxygen cylinder (2 are included) will support two 3/8" x 18" cutting rods, yielding 12" – 16" of cut per rod. (Cut estimate is based on 3/4" – 1" thick mild steel.) One rod is typically all that is needed to take out a security door, window bars, gate, etc.

PC/MTMODAL is recommended as the "go to" set for law enforcement and military customers without access to an oxygen booster pump. (PC/MTMOD1 is for military customers who have high pressure oxygen booster pumps to fill 3,000 psi composite bottles.)

Compared to a backpacked set the Mini-Tac:

- Is smaller and easier to carry in use, easier to discard, and has less storage footprint in the vehicle.
- Includes an oxygen transfill hose to jam the bottles from a big bottle which reduces the downtime and reduces costs.
- Has lower initial cost.



PC/MICROMOD1, Broco Micro-Torch

The Micro-Torch is Broco's smallest exothermic torch. The refillable 6 cu ft oxygen cylinder will support a single 3/8" x 18" cutting rod, enabling cuts of up to 12" in 1" thick mild steel or 18" of 3/8" thick mild steel. Advantages of the Micro-torch include rapid deployment, ease of use, small size.

The Micro-torch provides a low cost entrée to thermal breaching. It is also complements larger torch sets by being a high-speed option when smaller 'surgical' cuts are required. A range of accessories including additional cylinders, oxygen transfill hose, and battery ignition components are available.

