



## NEW INNOVATIVE CUTTING PRODUCT

### Introducing the MAG3818 Exoblade™

*For sea and land cutting, gouging and piercing.*

- Longest cuts in the industry from a single cutting rod.
- Lowest oxygen consumption in the industry.
- Elimination of flare-outs, fluttering, side-burns and stub-outs.
- Ability to cut narrow kerfs using the edge side of the cutting rod.



**PROBLEM:** Are you losing money from low productivity using your current exothermic cutting rod?

1. Flare-outs: Oxygen slows when encountering crimps and rapidly increases velocity after crimps disrupting and extinguishing the flame.
2. Fluttering: The flame flutters while cutting significantly reducing cutting efficiency and frequently leading to a flare-out.
3. Side-burns: Cutting tubes burn unevenly up one side allowing oxygen to escape prior to the burn zone.
4. Stub-outs: Protruding fuel wires prevent placing the rod directly into the cutting kerf.
5. Kerf diameters: The inability to cut a smaller kerf than the diameter of the cutting rod.

**SOLUTION:** Magnum's **Exoblade™** provides significant productivity and cost saving advantages over existing technology.

## **Benefits using Magnum's Exoblade™**

1. Ultimate reliability, performance and convenience over rival cutting rod brands.
2. The longest documented cuts in the industry from a single cutting rod.
3. The lowest oxygen consumption of any cutting rod on the market.
4. The complete elimination of flare-outs, fluttering, side-burns and stub-outs.
5. The ability to bend the cutting rod for all position access in field and shop settings.

The fuel inside the tube forms a tight bundle seal against tube walls providing excellent flow characteristics evidenced by the by the photo of eight oxygen channels taken from a partially burned cutting rod. You will never see combustion efficiency like this from a rival cutting rod. My experience with racing headers led to a better design.



The result is efficient cutting on both thin and thick materials using significantly less oxygen over rival cutting brands. An Exoblade™ can cut using as little as twenty pounds oxygen on thin materials. Most cutting rods require eighty pounds of oxygen merely to sustain a flame.

The Exoblade™ not only provides greater cutting control, the shape allows for easier ignition because of a narrowed surface area across the burn horizon.

As a secondary benefit, the flattened shape of the new exothermic cutting Blade prevents rolling from ship decks while being deployed in offshore cutting situations.

*Two kerf widths from a single cutting rod.*



*3/16" and 3/8" cuts using a .375" Exoblade™*

The ability to cut a narrow or wide kerf using the edge or flat side of the cutting blade is **novel to the industry**. A 3/8" diameter Exoblade™ can cut a 3/16" kerf on the edge side, and a 3/8" kerf on its flat side. You can sculpt with it. This feature eliminates redundant inventory, allowing greater versatility and precision in effecting cuts, gouges and pierces using a single rod.

The last two inches of the tube is round to fit your existing exothermic cutting torch. The remaining portion of the Exoblade™ is semi-flattened its entire length to form a tight seal around the internal fuel recipe. The semi-flattening of the cutting tube holds the fuel in place without circular pinching of the cutting tube thereby eliminating problems associated with oxygen turbulence.

**COMPARE:** Comparative tests show the new exothermic blade boasts the longest cuts of any exothermic cutting rod on the market due to its focused linear flame configuration, allowing low pressure cuts with precision. Simply put, comparing the Exoblade™ to rival cutting rods is like comparing DC welding to AC welding. Operators will find cutting with the Exoblade™ incredibly smooth and accurate. The economic advantages of the Exoblade™ are ideally suited to repair, maintenance, scrap, dismantling and salvage assignments on land as well as in underwater marine settings.



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