



Postalloy® UNI-LANCE Kit

Turn your acetylene torch into an exothermic cutting tool in 30 seconds



Applications

Gouging cracked welds • Cutting Liners from ball mills • Cutting cast iron pipe • Demolition work and cutting scrap • Gouging hard surfaces • Piercing starter holes for shape cutting material • Cutting thick pieces of steel/iron • Removing frozen pins from hydraulic cylinders • Removing bucket teeth from dozer blades and dragline buckets • Piercing holes in rock or concrete • Railroad track maintenance • Cut reinforced rod • Highway maintenance and cutting guard rails • Cut boiler and storage tanks.

Exothermic cutting is a chemical reaction (oxidation) that occurs when steel is heated to its kindling temperature and is injected with pure oxygen under pressure. The resulting reaction reaches temperatures of 7,500°F (4,149°C). Exothermic cutting is extremely efficient for rapidly cutting ferrous and non ferrous materials. The tip temperature is 2,000°F (1,093°C) hotter than an oxy/fuel torch. The cut occurs as the steel is oxidized and the oxygen stream helps blow the hot molten slag away. Exothermic cutting works best on ferrous material as a result of the reaction with the base material but it can also be used on rock and concrete. However the exothermic reaction has less strength as the reaction strictly results from the steel lance rod. Exothermic cutting is ideal for all metals especially for those 2 inches and thicker as it provides a cost effective cut. In addition, the Postalloy® UNI-LANCE exothermic cutting tool will provide a quality cut with zero degree bevel and a clean, smooth surface with little to no slag on the bottom.



The Postalloy® UNI-LANCE Kit has everything you need to convert your acetylene torch to a portable versatile exothermic cutting tool. The kit includes:

- 1 – 1/4" lance rod torch adapter
- 1 – 3/8" lance rod torch adapter
- 8 – 1/4" diameter eighteen-inch-long lance rods
- 8 – 3/8" diameter eighteen-inch-long connectable lance rods (the 3/8" rods have a quick disconnect end which allows you to expand the cutting tool up to 6')
- 1 - Striker plate
- Hard plastic carry case



Cutting tractor axle



Boring out frozen pin



Cutting bridge decking



Shearing lock and chain

See installation video for set-up and operation.

<https://www.youtube.com/watch?v=nrPUzKzN9M>

Contact your local sales representative or Mike Korba at mkorba@postle.com 216-265-9000

www.hardfacetechologies.com and/or www.postle.com

