



LoTHERME



LoTherme - 801

For cutting and piercing all ferrous and non-ferrous metals and alloys without the need for any auxiliary equipment.

Characteristics :

LoTherme-801 is designed to produce fairly smooth cuts and pierce metals in all positions. The special coating withstands high current without overheating. A forceful arc renders it possible to cut all metals and alloys without the necessity of supplementary gas, compressed air or oxygen or special torches.

Applications:

LoTherme-801 is meant for cutting and piercing carbon steels, low alloy steels, stainless steels, cast irons, nickel and nickel alloys, copper, brass, bronze, aluminium and other metals and alloys. Although the cut will not be as smooth as that produced by gas cutting of carbon steel, the application of LoTherme-801 extends to various ferrous and non-ferrous metals which cannot be cut by conventional gas cutting process. The electrode is also suitable for cutting and piercing out of position jobs, rivets, risers, etc., where gas cutting is not convenient.

Welding Technique :

Mark the area to be cut or pierced with chalk. Hold the electrode at an angle of 45° to the job and use a sawing motion to cut. Manoeuvre LoTherme-801 continuously in sawing motion, pressing it against the surface of the metal. The high arc-force produced by the electrode and the manual pressure ensures and rapid cutting.

For piercing, position the electrode perpendicular to the part. Strike the arc and apply push in and pull out motion till the part is pierced.

Current Conditions : AC / DC(-)

Size (mm)	5x350	4x350	3.15x350	2.5x350
Dia x Length				
Current Range (Amps)	280-320	200-240	150-180	120-150

LoTherme - 802

AC/DC electrode for chamfering and grooving of various metals with electric arc. without any auxiliary equipment.

Characteristics :

LoTherme-802 is designed to produce smooth grooves in all positions. The special coating of the electrode withstands high current without overheating. The forceful arc renders it possible to chamfer and gouge various metals without the need for supplementary gas, air, oxygen or special torches. The force of the arc blows away undesired materials from its path leaving a clean groove for subsequent operations such as welding, surfacing, re-building, etc. Delayed arcing facilities accurate positioning of electrode.

Applications:

LoTherme-802 is meant for chamfering and gouging carbon steels, low alloy steels, stainless steel, cast irons, nickel alloys, etc., to bevel out cracks, remove defective weld metal and unwanted metal in castings. The special advantage of LoTherme-802 is the accessibility in locations where it is inconvenient to work with metal cutting tools or even gas cutting torch. LoTherme-802 comes in handy wherever repair or maintenance welding is envisaged such as in foundries, steel plants and fabrication industries.

Welding Technique :

Mark the area to be gouged with Chalk. Hold the electrode pointing towards the path of gouging at an angle not exceeding 25° to the job. Push the electrode along the line, maintaining contact with the base metal all the while. The strong arc-force produced by LoTherme-802 and the pushing action will blow the molten metal ahead and away from the groove. Avoid reverse motion.

Current Conditions : AC / DC(-)

Size (mm)	5x350	4x350	3.15x350	2.5x350
Dia x Length				
Current Range	300-360	230-280	150-200	125-175
(Amps)				