



# 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	280-320	200-240	150-180	120-150
(Amps)				