



# 100th Anniversary New Product

## Safety cutting torch improved specially for work efficiency!

# GOLD-MM L/S Cutting Torch

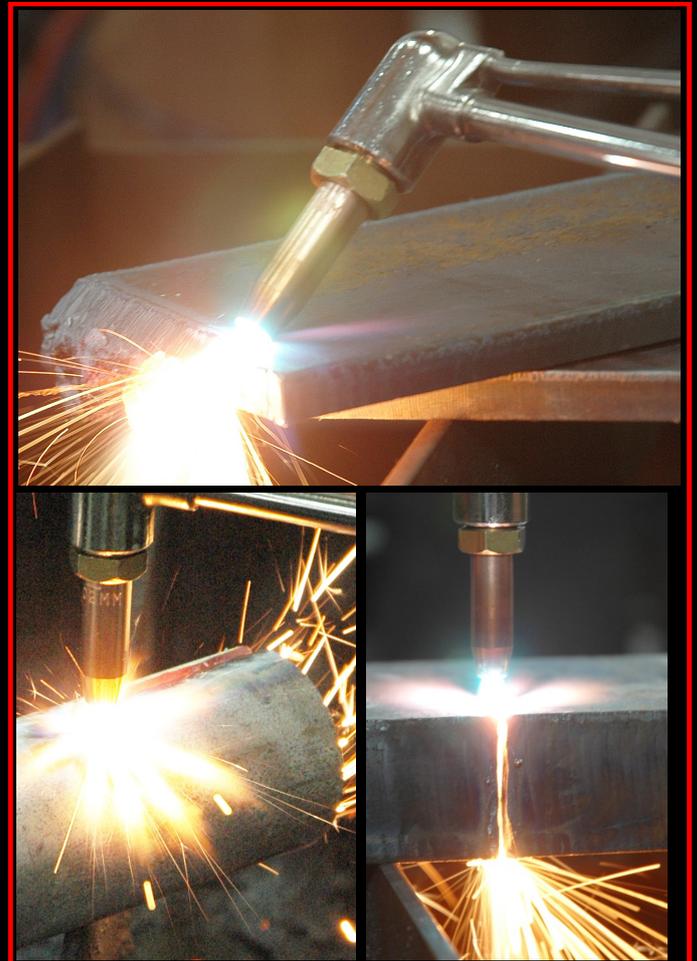
## Tip: 502MM(for AC), 506MM(for LPG)

**Preheating power is significantly improved by the new cutting tip: 502MM(for AC) and 506MM (for LPG) !**

The 502MM (for AC) released at same time with GOLD-MM have a new developed nozzle with a slit structure which is the first product in the industry.

Preheating power was significantly improved compared to the conventional cutting tip. The heating power achieved is comparable to the low pressure type's cutting torch.

Try and feel the improvement together with safety of this middle pressure gas cutting torch !



**There is almost no risk of flash back inside of torch by operation failure.**

There is almost no risk of fire get into the torch by closing the tip outlet during the cutting with low pressure type's cutting torch, or operation failure of the valves during flame ignition or extinguishing.

**※However, it might be going to high temperature around torch head or cutting tip with occurrence of flash back several times.**

### 500MM Cutting Tip Parameter

※Cutting tip for AC and LPG each have only one tip size.

For AC: 502MM Oxygen pressure: 0.3MPa  
For LPG: 506MM Oxygen pressure: 0.3MPa

Acetylene pressure: 0.03MPa Cutting thickness: Max. 50mm  
LPG pressure: 0.025MPa Cutting thickness: Max. 50mm

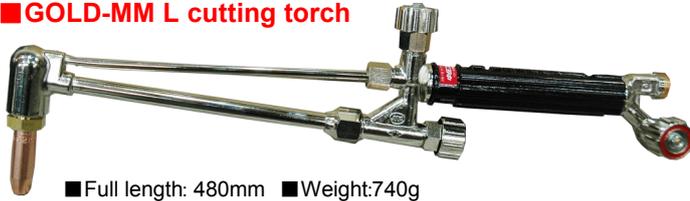


# <Feature of GOLD-MM L/S Cutting Torch and Cutting Tip>

## ● Please use the new cutting tip 500MM together with “GOLD-MM L/S cutting torch”

Appearance and position of valves are same as low pressure gas cutting torch (M/A cutting), so the GOLD-MM is same ease of use as conventional torch. There is 2 different length available.

### ■ GOLD-MM L cutting torch



### ■ GOLD-MM S cutting torch



## • Even zinc-plated steel plate can be cut without any problem.

In case of low pressure type, flash back happen frequently at outlet of cutting tip by fume of zinc generated during the cutting, which might interfere the cutting, but GOLD-MM & 502MM can keep cutting safely.

### • Even if the used fuel is changed, only the cutting tip has to be exchanged. No need to change the torch.

If used fuel gas is changed, mixing ratio of oxygen will also be changed, so oxygen supply amount at injector will be changed in case of low pressure type.

In this case, specialized torch for low pressure is required; it might cause an accident if a torch is chosen incorrectly.

On the other hand, GOLD-MM or other middle pressure type's torch can cut by any fuel gas by only exchanging the cutting tip.

All of 500 type's cutting tips can be used. \*502A (AC), 502B (AC), 506A (LPG), 506B (LPG), 503A (Ethylene)

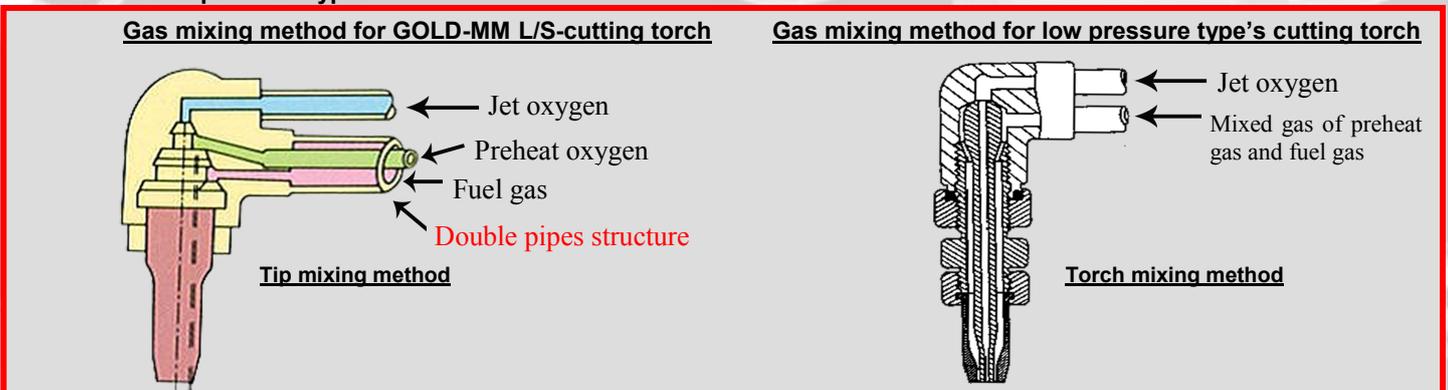
## • Cutting tip for AC have a new developed nozzle with a slit structure which is the **first product in the industry.** Heating power has been significantly improved .

Development of cutting tip 502MM is a challenge to common sense of hole type structure on cutting tip for acetylene of middle pressure in long time. By developing a slit nozzle for the first time in the industry, heating power of preheat fire was increased 30—40%. (Compared with KOIKE 502A with 6 holes type).

Moreover, it is economical since maximum preheat gas flow amount is set as 80% of conventional cutting tip (compared with middle pressure type's cutting tip). As a result, it's now possible to do hand guided cut safely and efficiently while maintaining the original flashback resistance of medium pressure type. In addition, heating power of the cutting tip 506MM for LPG was increased significantly (compared with other tip for middle pressure).

Conventional type of Middle Pressure Cutting Tip for Acetylene (502A)	Cutting Tip 502MM for Acetylene	Cutting Tip 506MM for LPG
 ■ Stock No. DB15101C~H	 ■ Stock No. DB151186F	 ■ Stock No. DB15410F

GOLD-MM L/S Cutting Torch & Cutting Tip 500MM have “Tip mixing method” as middle pressure type that preheat oxygen and fuel gas are mixed in cutting tip, so **outstanding safety in anti-flash back is greatest feature** compared with “Torch mixing method” for low pressure type.



- Low risk of the flash back at outlet of cutting tip get into the torch.
- Zinc-plated steel plate can be cut safely.
- Any fuel gas can be used by only exchanging cutting tips.
- Significant improvement of heating power.