

# KATANA HEAVY DUTY SB-500F TORCH



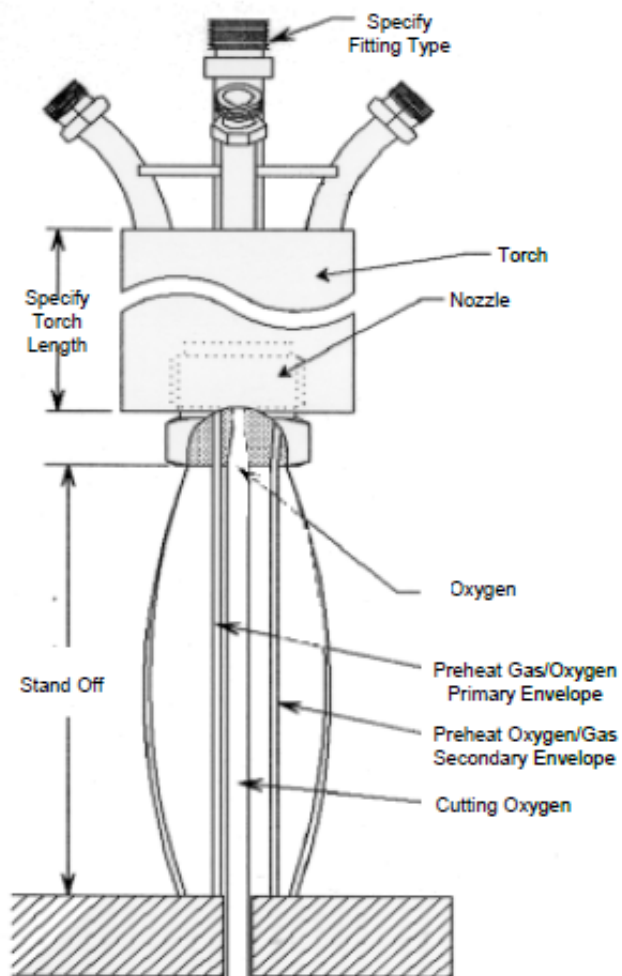


## KATANA SB-500F TORCH & SDS NOZZLES

(Compatible with GEGA SB-500f torch and SDS nozzles)

**KATANA SB-500F**  
**(Replaceable with GEGA® SB-500F)**

KATANA SB-500F is the highest development of hot slab cutting torches which well resists during very tough operational situation in various industries like steel mills. The high quality stainless body, solid brass head and well-designed water cooling circuit remarkably improved the torch cutting performance and life time.



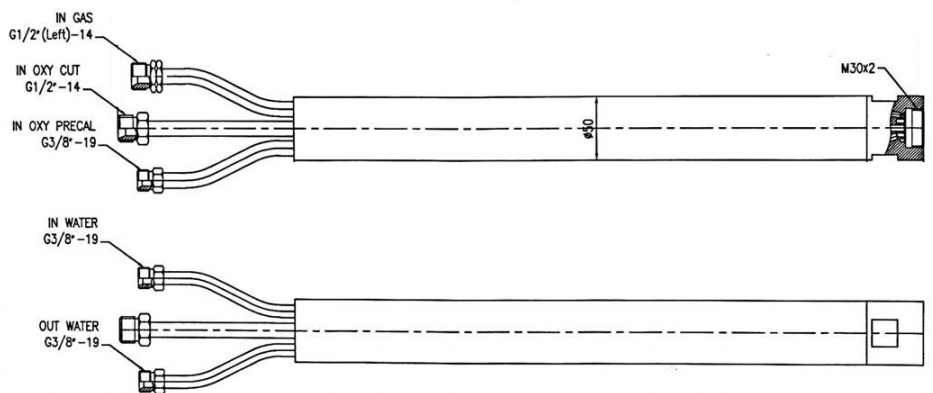


KATANA SB-500F torch is used as a cutting torch for flame cutting machine. The torch is a straight-type cutting torch for equal pressure and water-cooled structure for mechanical control. It is suitable for cutting round billets, billets and slabs on steel billet continuous casting line. Since the torch has a circulating cooling water system, it can be used continuously for a long time under the high temperature and harsh working conditions. In addition, it can also be used for gas cutting of steel castings and billet charging

KATANA SB-500F isobaric heavy-duty cutting torch can be processed according to different thickness of cutting steel and different types of gas (acetylene, coke oven gas, different cutting requirements. It is used with SDS series hexagonal plane cutting nozzle. Natural gas, liquefied petroleum gas) Choose the cutting nozzle of the corresponding model, in order to achieve various

## Main Features

- High Quality
- High Speed and Performance
- Easy Operation and nozzle change
- Various length: 450-1900mm
- Wide Working Range
- Fast Setup
- Narrow Cutting Kerf
- Long Life Time
- Low Slag Dross
- Less Energy Consumption



**For More information, please click here: [EN / JP](#)**



## **Safety Cautions**

- For safety and best performance, it is important to choose the correct cutting gas, tip size, torch and regulator according to model and instruction.
- Dangerous to work if gas leakage presents.
- Ensure the tip and all connections are free from oil and grease due to the high risk of sudden combustion.
- Clean the seating surface of tip, torch and all gas-oxygen outlets holes from dust, scratches or any other foreign substances
- To prevent any damage and deformation on tip and torch, it is recommended to use two proper wrench to tighten the tip attachment nut.
- Ensure the flame formed properly after the ignition and gas-oxygen pressures are correctly set on regulator as product manual sheet.
- Because of high temperature causes during use, wearing Protective gloves for any tip handle is necessary to prevent injury for operator.
- Using wrong or defective nozzles and torch can cause overheat and high risk of dangerous flashback
- For safety reason and to avoid any flashback, it is important to turn off oxygen and gas valve immediately if flame disappears suddenly or hissing sound is heard during cutting operation.
- Use proper tip cleaner on regular basis for safety, longer life and better performance is recommended.

**WARNING**

Protect yourself and others.  
Read and understand this booklet.

**ご使用に関してのご注意****器具の接続と確認**

始業前点検として、ご使用開始前に必ず検知液などでガス漏れのない事を確認してください。

同様に器具の各接続部分に対し、検知液などでガス漏れ点検を行ってからご使用ください。変形やキズの無い、正常な切断火口を正しく取付けてご使用ください。使用条件にあった圧力の設定を行ってください。

万一不具合のある場合は使用を止め、メーカー指定業者に修理をご依頼ください。

- 火口の清掃には専用の掃除針をご使用ください。
- 安全にご使用いただくために、下記の事項を必ずお守りください。

火口当り部のキズ、及び先端部のノズル、カバーに芯ぶれのない事を確認の上ご使用ください。

出口孔（予熱酸素孔、切断酸素孔など）が、スパッター等により塞がれていない事をご確認の上ご使用ください。

**Notes on use****Connecting and checking equipment**

*As a pre-start inspection, make sure that there is no gas leak with the detection liquid before starting use.*

*In the same way, check the gas leak for each connecting part of the instrument with a detection liquid before use.*

*Use a normal cutting crater with no deformation or scratches. Set the pressure suitable for the operating conditions.*

*If there is a problem, stop using the product and request repair by a manufacturer specified.*

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- *Use a special cleaning needle to clean the crater.*
- *For safe use, be sure to observe the following items. Check that there are no flaws in the crater area and that there is no cover in the nozzle and cover at the tip. Check that the outlet holes (preheated oxygen holes, cutting oxygen holes, etc.) are not blocked by spatter.*