

## Cutting Torch



**Cutting Torch;** A type of blowpipe by which metal is preheated with a flame and then oxidized rapidly and removed by a jet of oxygen issuing centrally through the preheating flame. These Cutting Torches works on highly safe nozzle-mixing principle. This solution brings important safety advantage in case of backfire or flashback caused by the uneven operation. Just a very small amount of gas mixture prepared in the nozzle can be ignited so is almost impossible to destroy cutting torch by this type of incident. Despite nozzle mixing system provides an unprecedented level of flashback resistance, Gas Cutting Torch still strongly recommends use flashback arrestors to protect operator's health.

**A. Cutting Torch Partogen-2;** Partogen-2 is a well-balanced and rugged design Injector Mix hand cutting Torch. The Torch is suitable with Oxy/ Acetylene or Oxy/ LP Gas and cutting capacity up to 250mm. Also available in different length and Head angle (90°). These Cutting Torch is designed to cut mild steel up to 250mm thickness and can be used with any type of fuel gas. The body and nozzle heads are forged from extruded brass rod. This ensures leak proof equipment, which is free from blow holes or any casting porosity thus assuring total safety and gas economy. The standard model is designed with 250mm in length with (90°) right-angled head. This cutter can be used with acetylene / LPG by using suitable nozzles.

Specification	
Item	Gas Cutting Blow pipe (Torch)
Head	90°
Nozzle for Acetylene	TYPE-A
Nozzle for LPG	TYPE-B
Max. Cutting Thickness	250 mm/10"



### Feature:

- It's a Low Pressure Cutting Blowpipe.
- Gas Mixing : Injector Type Mixer.
- Working Pressure – 2.5 kgf/cm<sup>2</sup> to 4.0 kgf/cm<sup>2</sup>.
- Resistance to Backfire.
- ISI approved IS 7653:1975.

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**B. Cutting Torch Partogen-3;** Cutting Blowpipes(Torch) Partogen 3 is a heavy duty cutting blowpipe. These have Gas Mixing are Nozzle Mixing Type and it's Working Pressure is 2.5 kgf/cm to 5.0 kgf/cm. These are Resistance to Backfire and very economical to the Gas saving. These Blowpipes are ISI approved IS 7653:1975.

Specification	
Model	Partogen 3
Item	Gas Cutting Blow pipe Shank with NM Cutting Attachment
Head	90°
Nozzle for Acetylene	ANM/ ANME
Nozzle for LPG	PNM/ PNME
Max. Cutting Thickness	300 mm / 12"



**Feature :**

- It's a Heavy Duty Cutting Blowpipe.
- Gas Mixing: Nozzle Mixing Type.
- Working Pressure – 2.5 kgf/cm<sup>2</sup> to 5.0 kgf/cm<sup>2</sup>.
- 3 Seat Nozzle.
- Resistance to Backfire.
- Economy of Gas saving.
- ISI approved IS 7653:1975.