



- B-21, Bhan Nagar, Queens Road, Jaipur-302021
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Cutting Nozzles



Cutting Nozzles; Nozzles are pipes or tubes available in different cross sectional areas to direct the flow of a fluid. They are ideal to control the speed, direction, flow, mass, shape, as well as pressure of the stream. They are designed for cooling, washing, rinsing, dust suppression as well as fire protection. In addition to this, their solid shape and precise spray pattern along with an exceptional vane design ensure large flow passages with better control and consistent distribution. They are available with removable caps and vanes for easy cleaning. These Cutting Nozzles are available in two types such as A-Type Cutting Nozzles and B-Type Cutting Nozzles, as mention below;

A. Cutting Nozzles (A-Type); This type of nozzles are made up with copper and are used in a two-seat blow pipe cutting flame. It is supplied as a two piece. It is mostly used with Liquefied Petroleum Gas (LPG) as the preheating gas. A-type is made with different bore diameter to produce a cutting of desired thickness or width.

Nozzle Size (inches)	Thickness to be cut (mm)	Gas Pressure (Kg/cm ²)
1/32"	3-6	1.5
3/64"	6-19	3
1/16"	19-100	5
5/64"	100-150	6
3/32"	150-200	7.5
7/64"	200-250	8
1/8"	250-300	8



Features:

- Type- A Type (2 seat)
- Nozzles sizes : 1/32", 3/64", 1/16", 5/64", 3/32", 7/64" & 1/8".
- Cutting Thickness (MS) : 6 to 300 mm.
- Material : Copper
- ISI approved IS 7653:1975





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B. Cutting Nozzles (B-Type); Similar to its predecessor above, B-type Nozzle is used in a two-seat pipe gas cutting flame. The nozzle consists of two parts. It is used with liquefied petroleum gas fuel to produce the preheating flame. This type shares the same dimensional variations as A- type in terms of size and flame width produced.

Nozzle Size (inches)	Thickness to be cut (mm)	Gas Pressure (Kg/cm ²)
1/32"	3-6	1.5
3/64"	6-19	3
1/16"	19-100	5
5/64"	100-150	6
3/32"	150-200	7.5
7/64"	200-250	8
1/8"	250-300	8



Features:

- Type – B type (2 seat)
- Nozzles sizes : 1/32", 3/64", 1/16", 5/64", 3/32", 7/64" & 1/8".
- Cutting Thickness (MS) : 6 to 300 mm.
- Material : Copper
- ISI approved IS 7653:1975

C. Cutting Nozzles (PNME); PNME nozzle is highly, appreciated for the extra safety measure it employs. It limits the mixing of gases to the 3 seat nozzle only thereby eliminating any possible chance of a backfire or a flashback hence ensuring work safety. It is produced for use with liquefied petroleum gas and acetylene gas fuels. It comes in two pieces for LPG use and a single piece for acetylene use. Similar to its two counterparts discussed above, it is available in various sizes.

Nozzle Size (inches)	Thickness to be cut (mm)	Gas Pressure (Kg/cm ²)
1/32"	3-6	1.5
3/64"	6-19	3
1/16"	19-100	5
5/64"	100-150	6
3/32"	150-200	7.5
7/64"	200-250	8
1/8"	250-300	8



Features:

- Type- PNME (3 seat)
- Nozzles sizes : 1/32", 3/64", 1/16", 5/64", 3/32", 7/64" & 1/8".
- Cutting Thickness (MS) : 6 to 300 mm.
- Material : Copper
- ISI approved IS 7653:1975.

