



KATANA



KATANA Gas mixing cutting nozzle





KATANA Standard Nozzle

Gas mixing cutting nozzle.

LNG/ Natural Gas Cutting Tip (7N-HC)

7N-HC:

Standard tip Suitable for both hand cutting and portable cutting

■ **Natural Gas**



PIC FOR NO: # 8

Des.	Article no.	Cutting range mm	Cutting speed mm/min.	pressure MPa (kg f/m ³)			Consumption (m ³ /h)			Kerf width mm
				Cutting O ₂	Heating O ₂	Natural gas	Cutting O ₂	Heating O ₂	Natural gas	
00	60061	0-5	660	0.3(3)	0.3(3)	0.015(0.15)	0.69	1.22	0.74	1
0	60062	5-10	660-550				1.2			1.3-1.5
1	60063	10-15	550-490				2.1			1.7-1.8
2	60064	15-30	490-400	0.35(3.5)	0.35(3.5)		3.4	1.39	0.84	2.0-2.1
3	60065	30-40	400-350				4.3			2.3-2.4
4	60066	40-50	350-320	0.4(4)	0.4(4)		6.5	1.9	1.15	2.7-2.9
5	60067	50-100	320-200				11			3.4-3.5
6	60068	100-150	200-150				15			3.9-4.0
7	60069	150-250	150-80	0.45(4.5)	0.45(4.5)		22	2.31	1.4	4.4-5.1
8	60070	250-300	80-45				28			5.8-6.8



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 .*
- ✓ *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 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.*

Technical Recommendation of the national institute of occupation safety and health (JNIOOSH-TR-48:2017)



WARNING

ご使用に関してのご注意

機器の接続と確認

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.

- 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.