

LANCE HOLDER

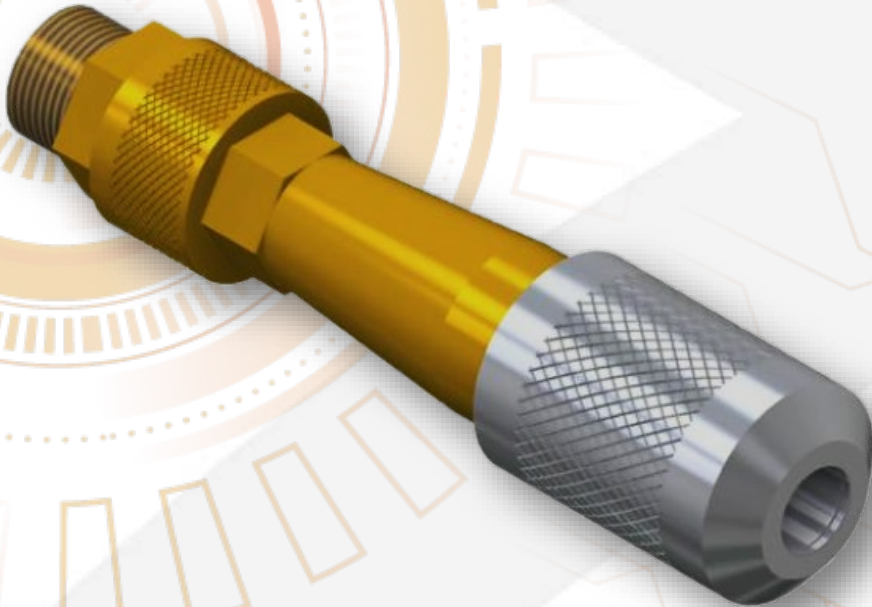
TREFIMET

USE AND BENEFITS



LANCE HOLDER

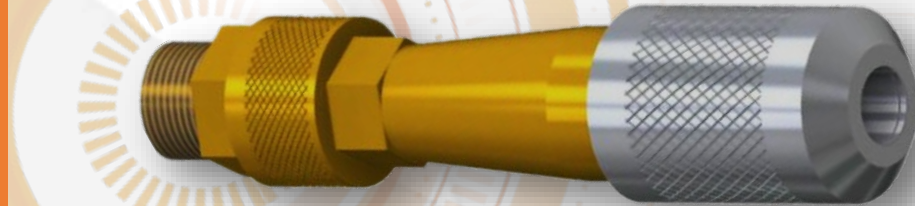
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- Chilean product, manufactured exclusively by Trefimet.
- Technical service and support around the world.
- Lighter tool with better ergonomics than the common one on the market.
- Locking nut and seal that generates tightness and subjection.
- Product that does not allow to work with oxygen leaks.
- All parts that are subjected to high temperatures are made of refractory stainless steel.
- For thermal lances with the following diameters: 1/4" - 5/8" - 3/8" - 1/2"



COMPONENTS THAT ALLOW SAFETY



One-way valve.



Sintered filter with high thermal resistance



Hot Material Retention Kit



Rubber Seal

The parts that are most exposed to damage are made of stainless steel

BENEFITS

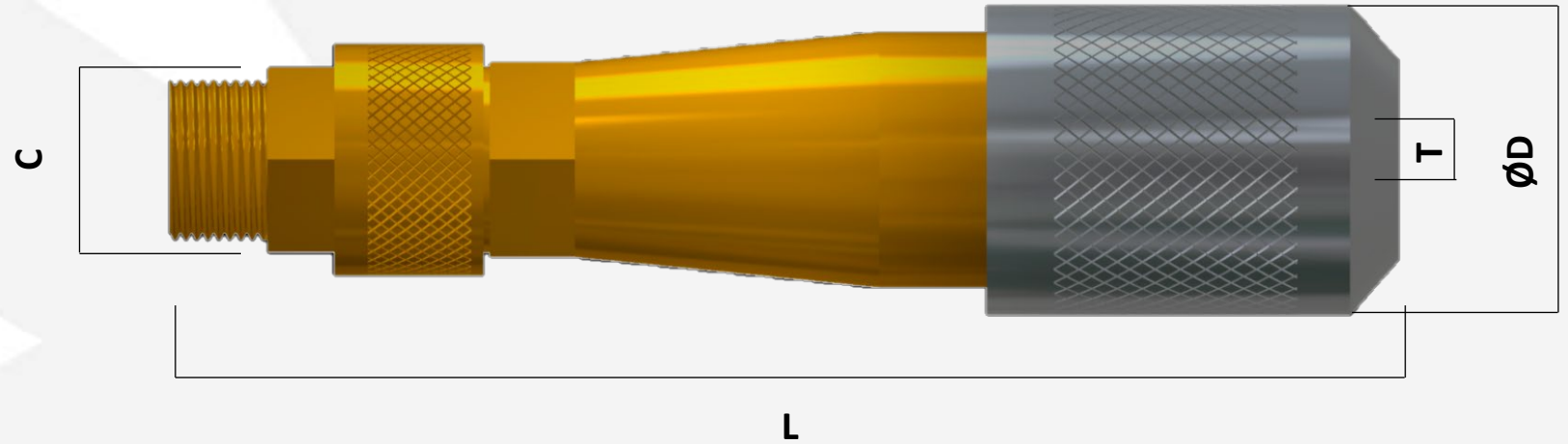
- **Better ergonomics:** Lance holder designed to improve the grip of it by the operator, reducing size and weight, to allow better handling, without losing performance, safety and durability.
- **Long service life:** All materials in the lance holder subjected to high temperatures are non-combustible and have refractory characteristics.
- **Greater security:** As the lance holder is a thermally shielded product, it minimizes the chances of incidents during operation. Additionally, the design of the lance holder ensures an operation without oxygen leaks and has a retention system for hot materials in case of return of molten metals.
- **Better performance for Trefimet products:** The internal design of the Trefimet lance holder distributes oxygen, feeding the areas of the thermal lances where it has the highest oxygen requirement and decreasing the flow in the areas with less requirements. This feature can improve the performance of Trefimet thermal lances up to 15%.

SAFETY

- As the lance holder is a thermally **shielded product**, it **minimizes the chances of incidents** during operation.
- The design of the lance holder ensures **operation without oxygen leaks**.
- It has a **system of retention of hot materials** in case of return of molten metals.
- As a complement to the **hot materials retention system**, the Trefimet lance holder also has a **sintered filter with the ability to work in temperatures** above **1700 ° C**.
- Finally, in the rear area there is a **one-way valve** that prevents the **return of material, hot gases or "flames"** to the oxygen line.

These characteristics make this tool substantially increase the safety of the operation.

MEASURES



Ø THERMAL LANCE	ALLOWABLE DIAMETER	CONNECTION	DIMENSIONS		WEIGHT
T/NPS	T (mm)	C	L (mm)	ØD (mm)	(kg)
1/4"	12.5 – 13.8	3/4" X 14 BSP	190	38.0	0.83
5/8"	15.7 – 17.3	3/4" X 14 BSP	194	44.0	1.03
3/8"	15.7 – 17.3	3/4" X 14 BSP	194	44.0	1.03
1/2"	20.0 – 21.2	3/4" X 14 BSP	210	50.8	1.45

ESSENTIAL RECOMMENDATIONS

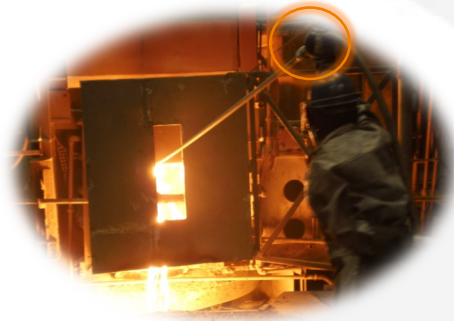
- **Do not use** thermal lances **with wire or sharp edges** on the end of the lance that will be inserted into the lance holder.
- **When the lance holder is not in use**, always leave the chuck loose, leaving at least 2 threads visible.
- **When the lance holder is not in use**, do not leave a thermal lance inside it.
- **Before use**, check that **the lance holder is clean and free of any type of particles or dust**, shake the lance holder downwards to expel any unwanted particle from the lance holder.
- Make sure the **thermal lance is properly positioned**, this will happen when metallic contact is felt.
- Product **not compatible** with pipes filled with steel wires or filaments.



APPLICATIONS

Some applications for which Trefimet lance holders are used:

- Oxygen insufflation tasks



- Opening of metal and slag passages



- Any **other** operation where thermal lances are used.

- Maintenance and cleaning



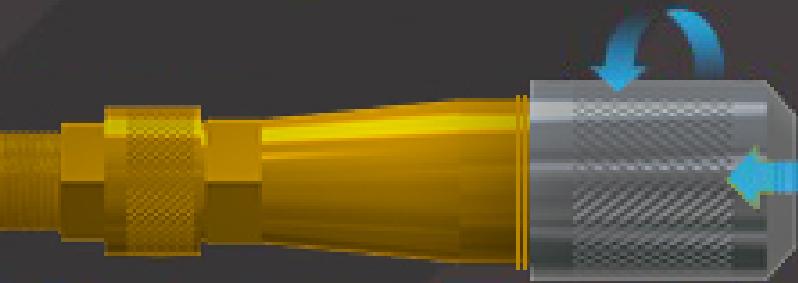
- Scrap cutting / demolitions



INSTRUCTIONS FOR USE

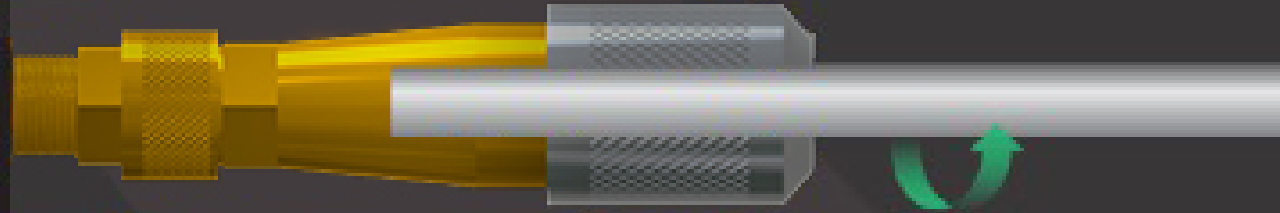


1. CONNECTING THE LANCE TO THE LANCE HOLDER



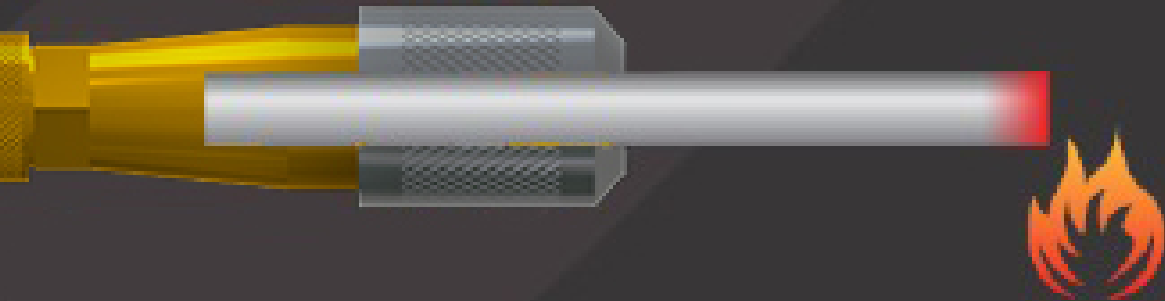
1. RELEASE THE CHUCK

2. INSERT THE LANCE

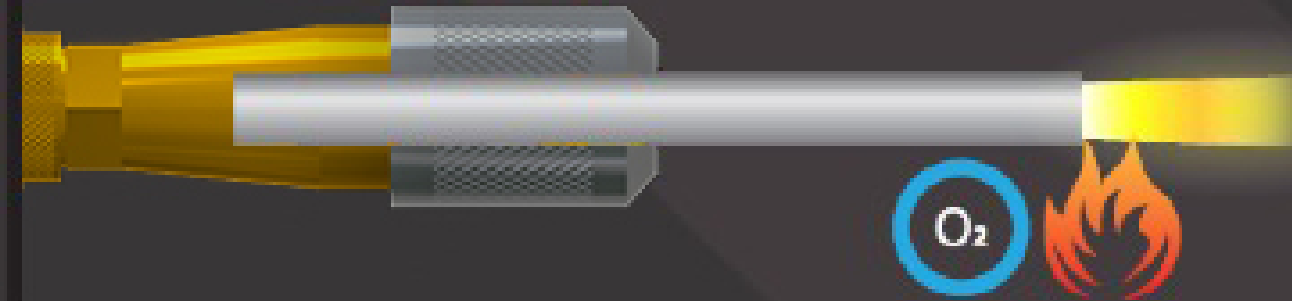


3. TIGHTEN THE CHUCK

2. IGNITION OF THE LANCE



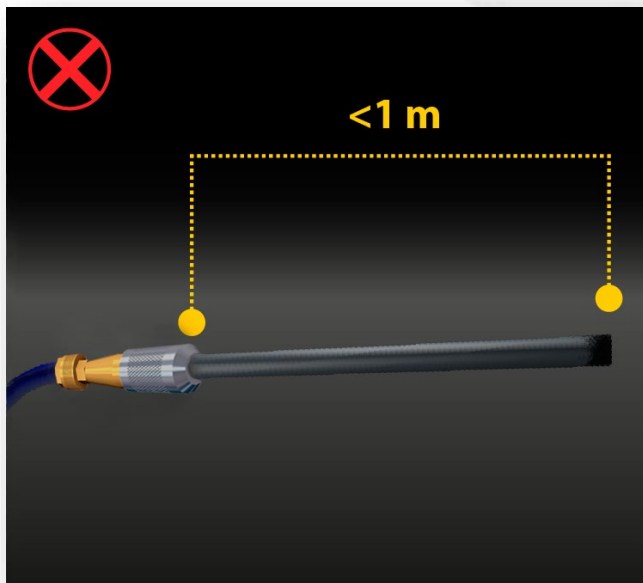
4. HEAT THE END OF THE LANCE



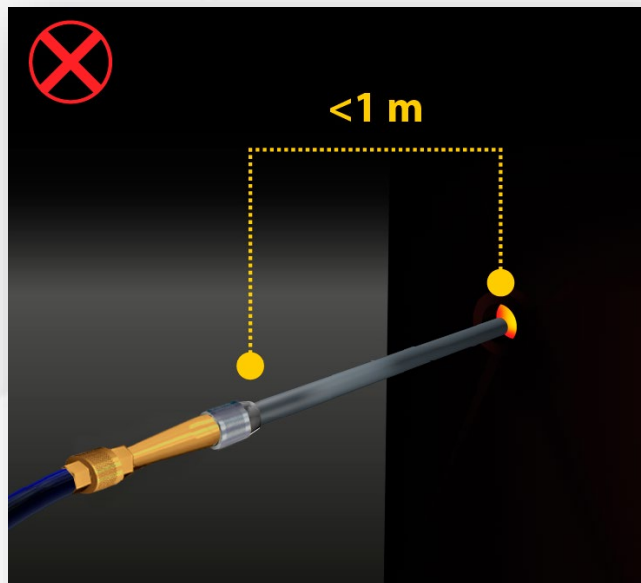
5. OPEN THE OXYGEN SLOWLY

OPERATIONAL RECOMMENDATIONS

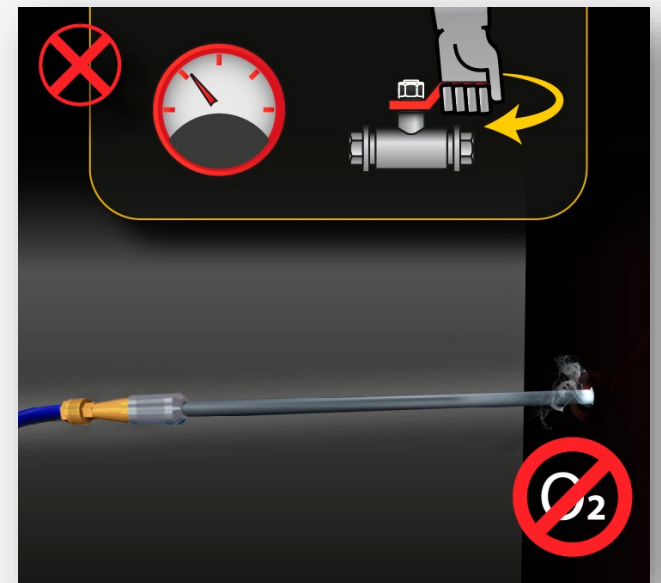
- The following instructions will help to further increase the useful life of the Trefimet lance holder.



1) DO NOT work with a length of thermal lance smaller than 1 m.

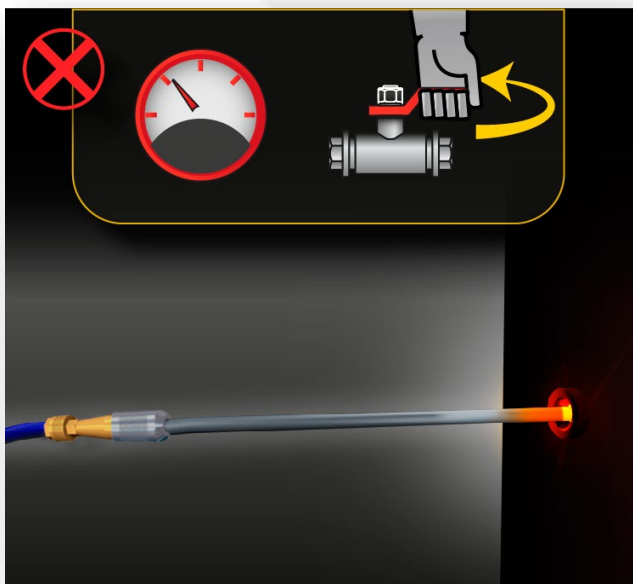


2) DO NOT bring the lance holder closer than 1 m from the passage or the task being carried out.



3) DO NOT cut the oxygen with the lance inside the passage or the task that is being carried out.

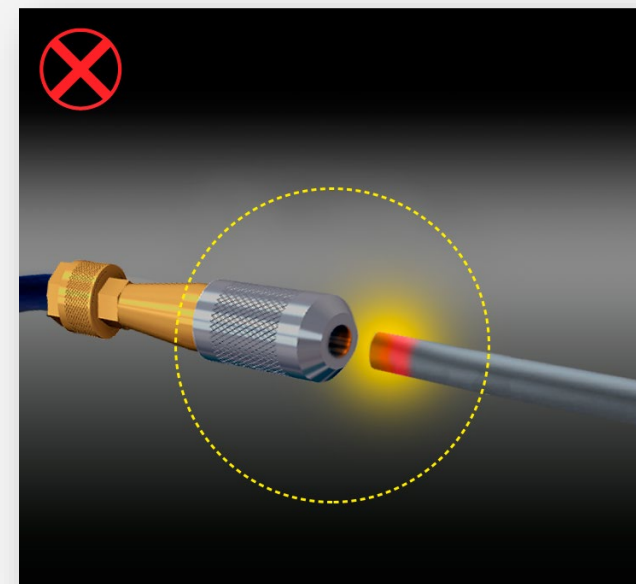
OPERATIONAL RECOMMENDATIONS



4) DO NOT ignite the thermal lance inside the passage.



5) DO NOT turn off the thermal lance by tilting it up.
* May cause molten material return into lance holder.



6) DO NOT insert the hot thermal lance into the lance holder.

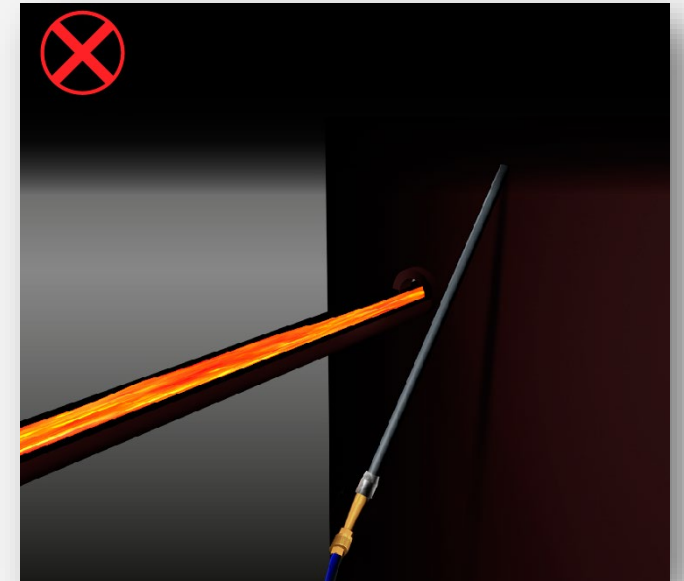
OPERATIONAL RECOMMENDATIONS



7) DO NOT use gloves or items with combustible materials (oil, grease, others).



8) The operator must NOT manipulate, intervene or install the lance holder in the oxygen network, it can only be done by the mechanic trained by Trefimet.



9) DO NOT leave the thermal lance installed in the lance holder, after finishing the operation you are performing, and DO NOT leave it near molten materials.

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ENGINEERING IN THERMAL LANCES

