



THERMAL LANCE TREFIMET KATANLANCE DATA SHEET

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THERMAL LANCE TREFIMET KATANLANCE

This is a revolutionary single insert thermal lance with high energy for tapping or cutting operations on difficult to melt materials and in locations that do not have high oxygen pressure (<7bar).

FEATURES & BENEFITS

The construction technology of this thermal lance allows the distribution of oxygen flow spaces, without the necessity of more inserts, achieving a better balance between oxygen and iron areas, obtaining a very efficient combustion.

Its configuration allows oxygen to reach all interstices without the need greater of a pressure than 7 bar. The best oxygen distribution inside the lances varies widely the amount of unreacted oxygen that comes out of the thermal lance.

The energy concentration of this lance allows very even tapings in tapholes.

A Thermal lance that allows less non reacting oxygen to pass, it considerably reduces the rebound effect, which decreases the performance of a thermal lance. Also the smallest amount of unreacted oxygen reduces the projection of sparks and fugitive fumes.

Ideal for use in tapings of water cooled tapholes or materials that cannot be damaged.

Thermal lance 100% usable thanks to its FCT® coupling system

Made in Chile by Trefimet® with its own and Patented manufacturing system

SPECIFICATIONS

Low carbon steel tubular tool with coaxial inserts
SAE 1010-1020

Coupling System FCT (Fast Conector Trefimet).

Quality control: 100% Eddy Current.

Oil, fuel and hydrocarbon free.

Dispatch in packages of 50 units, with plastic protection on both ends.


NOMINAL BORE
OUTSIDE ø (mm)
LENGT (m)
WEIGHT (Kg/m)
OXYGEN SUPPLY RECOMMENDED
OXYGEN CONSUMTION
GASS-TIGHT PRESSURE (bar)
Q(Nm3/h)
Q(Nm3/h)
NORMAL

3/8"

17,1"

3 - 4 - 5,7

1,12

6-10

60 - 140

60 - 120

Note: Recommended O2 conditions are for thermal lances up to 6m long. For longer lances use, consult Trefimet.

POWERFULL