



FIREPEN



IMMEDIATE CUTTING OF METALS AND METAL STRUCTURES OF ANY STRENGTH

FIREPEN is an innovative tool designed for cutting of any metal products. It can be used in the absence of electricity, any special supporting equipment and in all emergency circumstances.

Key Benefits of FIREPEN



POWERFUL

FIREPEN generates combustion temperature of 2800 °C and allows for spontaneous cutting of various metal parts and structures such as valves 16 mm in diameter, pipes, steel cables, electric cables with a diameter of 20 mm, angles, and metal sheets 5 mm thick. FIREPEN even makes it possible to cut metal structures of greater thickness by connecting multiple products together or by using them in consecutive order



EASY TO USE

Working with FIREPEN requires no special training and welding skill. The tool is ready for use in just 10-15 seconds! FIREPEN is 100% autonomous and there is no need for any connections to power source!



EFFICIENT

FIREPEN works equally well in areas with high humidity, in water and in heavy smoke



COMPACT

FIREPEN easily fits into a pocket of any professional uniform, its light weight provides additional comfort during transport



FIREPEN



FIREPEN is indispensable for an autonomous cutting of metal products

FIREPEN is an innovative tool designed for cutting of any metal products. It can be used in the absence of electricity, any special supporting equipment and in all emergency circumstances.



In extreme conditions



In the aftermath of natural and man-made disaster



In peacekeeping missions and anti-terrorism operations



In hard to access places



In a situation where you can-not use the electric-machinery, to produce gas welding and cutting



FIREPEN works effectively under water and in heavy smoke

Technical Characteristics of FIREPEN

Burning time: 20 seconds

Weight: 115 grams

Length: 300 mm

Diameter: 15 mm

Combustion temperature: 2800° C

Ignition Temperature 1300° C



FIREPEN



FIREPEN is indispensable for an autonomous cutting of metal products



Fire Departments



Rescue Services



Army Units



Special Divisions



Maintenance Crews



High Altitude Construction Units



Infrastructure Services and Railway Transport Units



FIREPEN



Starting FIREPEN



Light a thermal match
(supplied)

Attach the lit match to the
rod (shaft) and set fire to the
tip of the rod (shaft).
*(Make sure there is constant
contact with the rod and the
lit match)*

Densely press the
FFIREPEN to the place
where the cut needs to be
made.
*(Again make sure there is
constant contact with the rod
and the metal)*

- Cut should be made from the top down.
- Lit FIREPEN needs to be firmly pressed to the starting point of cutting. During operation, hold the tool at an angle of at least 60 degrees or vertically.
- Allow molten metal to drain from the place where the cut is being made.
- Keep the FIREPEN tightly pressed against the surface.
- it is necessary to attach the lit rod to the cutting surface.
- When working with FIREPEN always observe safety precautions: protect your hands and clothing from sparks use canvas gloves and eye protection - safety glasses

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INSTANT METAL
CUTTING



HIGHLY
POWERFULL



COMPLETELY
SELF-INCLUSIVE

2800°

COMBUSTION
TEMP. 2800°C



SPECIAL
TRAINING
NOT
REQUIERED



BURNS
UNDER WATER



FIREPEN



How we work



Innovation

Firepen is patented and does not have any analogues in the world

START

Lightning start

Production launch in November 2015; more than 100 000 pieces sold in February 2016



Fast delivery

We cooperate with worldwide reputable logistics companies for fast and efficient delivery



Support Centre

We provide comprehensive customer support at all stages of cooperation



Our mission

Secure and safe world



Scientific approach

To create Firepen our leading scientists worked for over a decade



Warranty

We guarantee the quality of our product



Potential

Our infrastructure allows for production of more than 1 million products per year



Development

We are constantly working to update the product, as well as all rela



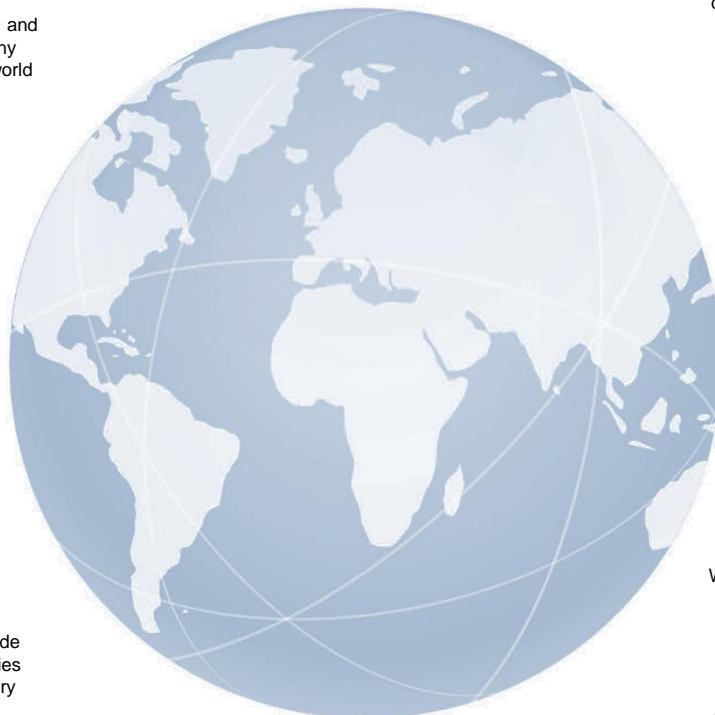
Business-minded

We are open to all kinds of cooperation



Global approach

We aim to deliver Firepen in all regions of the world



Product Safety Certification (MSDS)	
Chemical Name:	Iron- Aluminum Products Compressed mixture of ferric oxide
Composition:	Compressed mixture of ferric oxide with aluminum powder (Al) in a stoichiometric ratio. The final composition is calculated before each shift - main components : The iron oxide is 5 % -75 % Nickel oxide is 0 % -70 % Alumina 10 % -50 % Compression mode 1800-2200 n / sm2
Chemical Composition:	
Hazard Identification:	Symptoms of exposure are not known (non-toxic material is not absorbed by the skin , does not cause respiratory tract irritation , eye irritation)
First Aid Measures :	Product does not pose a risk to human health
Measures and Means of Fire / Explosion: Ignition Temperature: Extinguishing Method	1260.C Sand, asbestos cloth
Measures taken during emergency situations	Waste products that result from combustion must be collected and transported in accordance with applicable national law
Rules of Storage Products and Handling During Loading and Unloading works	
Storage of Product	Products must be stored in proper storage spaces, which exclude: the impact of rain and corrosive environments at temperatures ranging from 2 degrees to 40 degrees and humidity of 80 %.
Transport of Product	Conditions of carriage for products must comply with Standards of precautions taken during safe production
Individual Protection Means:	Because the product is not harmful to health human , personal protective equipment is not used
Physicochemical properties:	
Physical state: Density: Color: Odor Ignition temperature Burning time items :	Solid Density - 2.4 to 2.8 Grey None 1260,C 20 sec
Stability and reactivity Chemical stability Conditions to Avoid	Stable Moisture and damp air .
Information about the toxicity of:	Product is non-toxic
Information on the impact on the environment	Adverse environmental impacts offline
Advice on waste (residues)	Disposed of in accordance with the national legislation
Shipping Name :	Stand-alone tools for cutting metal products
Hazard Class:	Non-Hazardous substance
Handling marks TM	Fragile (careful handling of load) Keep away from moisture (the need to protect the goods from the effects of moisture UP (the correct location of the cargo) Stacking is Prohibited (It is NOT allowed to place other loads on top of the load with these markings)