

HIGH ENERGY IGNITION SPARK RODS

Tesi product range includes a broad selection of ignition rods.

The recent and ever increasing demand for **direct ignition of main burners** led Tesi to develop a dedicated range **specifically designed for overexposure to high temperatures**. This range, allowing to replace pilots, leads also to a considerable reduction in the plants manufacturing and operational costs.

In order to satisfy this operational need for direct ignition of main burners, Tesi introduced a selection of special solutions alongside standard devices, that makes them suitable to ignite directly a wide range of fuels including natural gas, fuel gas, diesel, light fuel oil (LFO) and heavy fuel oil (HFO):

- **side or coaxial retractable pneumatic devices** protecting tips from dirt and flames once sparking is finished
- **tilting flexible rods** to follow the main burner's angle
- **guide pipes**

Our key strength is the ability to provide **CUSTOM CONFIGURATIONS**.

Tesi **utmost flexibility** is highly appreciated among our customers, since it allow us to **meet their real requirements**.

Tesi ignition rods range comes in three main standard diameters: 12 / 14 / 17 mm; **length and diameter of the igniter are customizable**, and various accessories are available in order to satisfy any operational need.



FEATURES

High reliability

The powerful sparks ensure reliable ignition in all conditions and environments, removing any risks of failure due to contaminants or humidity.

Low maintenance

Tesi self-cleaning spark tips guarantee a successful ignition while reducing maintenance efforts. The high power of the sparks cleans the surface of the tip during every ignition.

Igniters and flame ionization electrodes can be easily disassembled, without pulling out the entire pilot.

Easy tip replacement

Being spark tips screwed onto the end of the rod, they can be replaced quite easily, reconditioning the system very quickly and reducing costly downtime.

Accessories & spare parts

A wide range of accessories and spare parts on stock can be quickly supplied and allows for customization of the systems according to customer specifications.

Compact design & flexibility

Dimension and shape can be fully customized to match customer requirements.

HIGH ENERGY STANDARD REPLACEABLE SPARK TIPS

HERC 17			
CODE	OPERATING TEMPERATURE		DIAMETER
ZZA00106	760°C (max 1000°C)	1400°F (max 1832°F)	17 mm
ZZA00106HT	1000°C	1400°F	17 mm

HEM 17			
CODE	OPERATING TEMPERATURE		DIAMETER
ZZA00100	760°C (max 1000°C)	1400°F (max 1832°F)	17 mm
ZZA00100HT	1000°C	1400°F	17 mm

HEM 14			
CODE	OPERATING TEMPERATURE		DIAMETER
ZZA00130	760°C (max 1000°C)	1400°F (max 1832°F)	14 mm
ZZA00130HT	1000°C	1400°F	14 mm



data subject to change without notice



IDEAL FOR:

OUTDOOR	WATERPROOF
✓	✓
GAS	HEAVY OIL
✓	✓

IGNITION DEVICES TESTING KIT

Tesi ignition testing kit allows to perform a complete set of tests to **check the correct functioning** of retraction devices and accessories, spark rods and high energy cables.

The testing kit consists of **a control panel and a test box** in which the sparking components can be tested:

- SPARK TIP TEST
- RETRACTION UNIT TEST
- IGNITION SPARK ROD TEST
- HIGH VOLTAGE CABLE TEST

