

High Tension Spark Igniters (HTSI)

The High Tension Spark Igniter is a Class 3 Special Ignition source used for direct spark ignition of natural gas or propane igniters.

Product Overview

Forney's High Tension Spark Igniter (HTSI) is a low cost ignition source option designed to provide spark ignition for gas-fired pilots and igniters.

The High Tension Spark Igniter consists of three major components: a High Tension spark rod with spark plug style cable connector, pre-fabricated high voltage cable, and a 6000 VAC transformer.

The transformer is suitable for wall mounting at the burner front or can optionally be supplied packaged in a NEMA 4 or 4x cabinet. The transformer delivers 6000 volts to the spark rod tip through the cable assembly. The transformer operates on primary voltage of 120 VAC or 220 VAC. It has a 100% duty cycle at rated temperature.

The spark rod assembly is a self contained design, 5/8 inch (16 mm) available in 2 inch (51-mm) increments between 14" to 210" (356 mm to 5334 mm) long.

The cable assembly is a high voltage cable with Rajah-style spark plug connection with protective boot.

Features & Benefits

- **ENCASED CERAMICS -**
All insulation and ceramics are encased within the stainless steel rod, preventing cracking and grounding issues.
- **NO GAP ADJUSTMENT-**
Spark rod tip employs center electrode design that eliminates requirement for gap adjustment.
- **ADAPTABILITY -**
Designed for use on all MaxFire gas igniters and small diameter, .62" (15.75 mm) O.D. allows for easy retrofit on numerous competitors gas igniters.



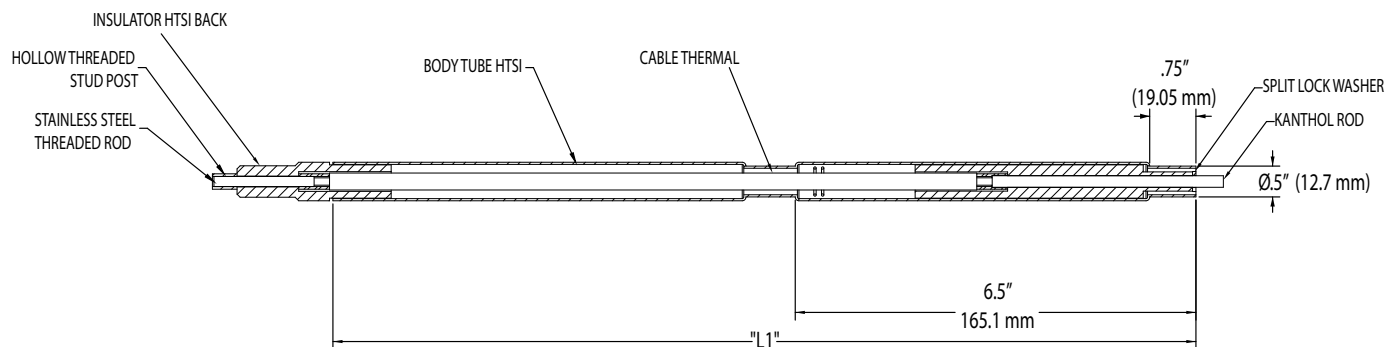
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Products and Accessories:

HTSI Spark Rod Assembly	Part #369310-xx
Cable Assembly	Part #399632-xx
Mount Tube	Part #370311-xx
Mount Tube with retraction	Part # Consult Forney
Transformer, 110 V, 50Hz	Part #76638-00
Transformer, 220V, 50Hz	Part #76638-01
Transformer, 120V, 60Hz	Part #76638-02

Specifications

Amperage:	20 mA
Input Voltage:	120 / 240 VAC, 50 / 60 HZ
Output Voltage:	6000 VAC
Duty Cycle:	100% at temperature rating
Igniter Class:	Class 3 special for gas igniters
Spark Rod Length:	14" to 210" (356 mm to 5334 mm) in 2" (51 mm) increments
Spark Rod Diameter:	5/8" (16 mm)
Spark Tip Type:	Fixed spark gap
Spark Tip Material:	Stainless steel with a ceramic insulator
Maximum Recommended Tip Temperature:	1000°F (537°C)
Power Unit Temperature Ratings:	-40°F to 105°F (-40°C to 40°C)
Power Cable Lengths:	1' to 15' (305 mm to 4572 mm)



Available in lengths "L1" from 14" to 210" (356 to 5334 mm) in 2" (51 mm) increments.