



# Spark Plugs

## Spark Plug Type Designation System

All Champion Aerospace spark plugs are identified by type designations as indicated on the following spark plug number and symbol chart. The symbol is composed of a rating position number, together with prefix and suffix numbers to indicate major plug design characteristics.

### Typical Spark Plug Number with Symbol Explanation

**R H B 37 E**

#### Resistor

**None** - No Resistor  
**R** - Mil-Spec. Resistor Erosion Protection

#### Electrode Design

**None** - Conventional Single  
**E** - Two Electrode Massive  
**N** - Four Electrode Massive  
**S** - Single Electrode (Iridium)  
**B** - Twin Electrodes (Nickel)  
**R** - Push-wire - 90° to Center  
**Y** - Projected Core Nose  
**P** - Two Electrode (Platinum)  
**W** - Two Electrode (Iridium)

#### Barrel Style

**None** - Unshielded  
**E** - Shielded 5/8" - 24 Thread  
**H** - Shielded 3/4" - 20 Thread (All-Weather Plug)  
**V** - M18X1 - Metric

#### Heat Rating Position

**High Number** - Hot (50)  
**Low Number** - Cold (26)

#### Mounting Thread

**B** - 18 mm  
**M** - 18 mm  
**J** - 14 mm  
**L** - 14 mm  
**U** - 18 mm  
**N** - 14 mm

#### Reach

13/16" (2.06 cm)  
 1/2" (1.27 cm)  
 3/8" (.095 cm)  
 1/2" (1.27 cm)  
 1-1/8" (2.85 cm)  
 3/4" (1.90 cm)

#### Hex Size

7/8" (2.22 cm)  
 7/8" (2.22 cm)  
 13/16" (2.06 cm)  
 13/16" (2.06 cm)  
 7/8" (2.22 cm)  
 13/16" (2.06 cm)

### Shielded Aviation Spark Plug

Shielded Aviation Spark Plugs are manufactured under military specification MIL-S-7886B.

### Outside Gaskets

#### Champion

Part No.	Size
M-674	18 mm Solid Copper
N-673	14 mm Solid Copper

#### Military Specification

AN4027-1
AN4027-2

# Spark Plugs



## Types and Specifications

Plug Type	12 Pack Shipping Wt.	Thread Size	Reach	Shielding Thread	Standard Electrode	Fine Wire Electrode	Plug Gap
L34R	1 lb. - 13 oz. 822kg	14mm	1/2"/1.27cm	None	Push Wire		.018"-.023"/0.46-0.58mm
REJ38	2 lb. - 13 oz. 1.276 kg	14mm	3/8"/0.95cm	5/8" - 24	Single		.018"-.023"/0.46-0.58mm
REL37B	2 lb. - 13 oz. 1.276 kg	14mm	1/2"/1.27cm	5/8" - 24	Twin Electrode		.016"-.021"/0.41-0.53mm
REN30S	2 lbs. - 6 oz. 1.077 kg	14mm	3/4"/1.90cm	5/8" - 24	Single Fine Wire	Iridium	.016"-.021"/0.41-0.53mm
M41E	2 lbs. - 6 oz. 1.077 kg	18mm	1/2"/1.27cm	None	Two Prong		.016"-.021"/0.41-0.53mm
REM40E REM38E	3 lbs. - 4 oz. 1.474 kg	18mm	1/2"/1.27cm	5/8" - 24	Two Prong		.016"-.021"/0.41-0.53mm
REM38S	3 lbs. - 4 oz. 1.474 kg	18mm	1/2"/1.27cm	5/8" - 24	Single Fine Wire	Iridium	.016"-.021"/0.41-0.53mm
REM37BY	3 lbs. - 4 oz. 1.474 kg	18mm	1/2"/1.27cm	5/8" - 24	Twin Electrode		.016"-.021"/0.41-0.53mm
RHM40E RHM38E	3 lbs. - 5 oz. 1.503 kg	18mm	1/2"/1.27cm	3/4" - 20	Two Prong		.016"-.021"/0.41-0.53mm
RHM38S	3 lbs. - 5 oz. 1.503 kg	18mm	1/2"/1.27cm	3/4" - 20	Single Fine Wire	Iridium	.016"-.021"/0.41-0.53mm
REB37E REB32E	3 lbs. - 4 oz. 1.474 kg	18mm	13/16"/2.06cm	5/8" - 24	Two Prong		.016"-.021"/0.41-0.53mm
RHB37E RHB32E RHB29E	3 lbs. - 6 oz. 1.531 kg	18mm	13/16"/2.06cm	3/4" - 20	Two Prong		.016"-.021"/0.41-0.53mm
REB36S	3 lbs. - 4 oz. 1.474 kg	18mm	13/16"/2.06cm	5/8" - 24	Single Fine Wire	Iridium	.016"-.021"/0.41-0.53mm
RHB36S RHB32S RHB27S	3 lbs. - 6 oz. 1.531 kg	18mm	13/16"/2.06cm	3/4" - 20	Single Fine Wire	Iridium	.016"-.021"/0.41-0.53mm
RHU32S	3 lbs. - 6 oz. 1.531 kg	18mm	1-1/8"/2.85cm	3/4" - 20	Single Fine Wire	Iridium	.016"-.021"/0.41-0.53mm
RHU32E RHU27E	3 lbs. - 6 oz. 1.531 kg	18mm	1-1/8"/2.85cm	3/4" - 20	Two Prong		.016"-.021"/0.41-0.53mm
RVL38S	2 lbs. - 13 oz. 1.276kg	14 mm	1/2"/1.27cm	M18 x 1	Single Finewire	Iridium	.016"-.021"/0.41-0.53mm

**PAINT CODE COLOR:** All Standard Electrode - Silver      All Iridium "S" Electrode - Gold