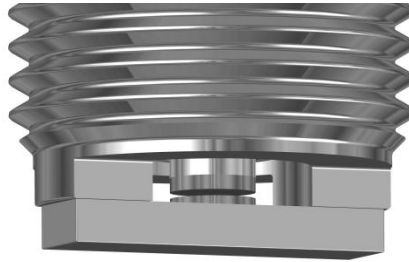


Massive 'Bridge' and dual iridium electrodes extend life up to 3 times longer than J-gap designs



Problem:

Gas engine technologies today are pushing extreme operational limits at +25bar BMEPs, highly corrosive fuels (H₂S), and lean air/fuel ratio mixtures. As the demand for component life and performance increases standard J-gap ignition products are no longer able to meet stringent service life requirements.



Solution:

Federal-Mogul's innovative *Iridium Bridge* design pushes the limits in electrode design and robustness to extend service life capability. The dual iridium electrodes combined with the Bridge design and patented advanced weld process provide up to 3 times the service life of traditional J-gap plugs.

Specifications:

- Dual Iridium electrodes
- 2.5x larger electrodes
- Patented 'bridge' ground electrode design
- Patented advanced welding/processing
- Industrial FISS core seal technology
- Hot lock shell assembly
- High alumina ceramics
- M18 fitment



Key Benefits	Details
Long Life, Dual Iridium Electrodes	An industry best +11mm² spark surface area is made possible via a 1.5 times larger center electrode diameter (compared to market competitors) and a 4mm x 1.6mm ground electrode cross section.
'Bridge' Electrode Design	'Bridge' design provides two heat paths, maximizing heat extraction from the ground electrode and reducing electrode wear rates to extend plug life.
Patented Advanced Weld Process	Advanced electron welding proves the most robust of any welding process available on the market today. A vacuum controlled environment, plus electron energy processing and precision provide the ultimate bi-metal locking.

Highlights

