



## **New and particularly robust generation of Bosch industrial spark plugs with increased service life** **Double Iridium spark plugs for stationary engines**

September, 2017

PI 9813 AA Kr

- ▶ Reduced costs thanks to increased service life, less engine breakdowns and increased service intervals
- ▶ Significantly increased head bending strength, dielectric strength and warm gas tightness
- ▶ Service life increased by 30 percent compared to previous generations of industrial spark plugs

Due to their increased efficiency, turbocharging and leaner fuel mixtures, modern stationary engines – such as the ones used in combined heat and power plants – place much higher demands on the spark plugs used, too. Especially their thermal and mechanical characteristics have to meet increased requirements to ensure flawless operation of industrial engines around the clock. The new generation of Bosch Double Iridium industrial spark plugs, now available with the types 7305 and 7308, meets these requirements and stands out for an increase in service life by 30 percent in comparison with the previous generation of spark plugs. The spark plugs thus also help reducing the operating costs.

Thanks to high-grade materials, modern production methods and an improved design, the new generation of Bosch industrial spark plugs is particularly robust. The enlarged profile of the ground electrode, for instance, increases both mechanical strength and thermal conductivity. The industrial ceramic material used is of particularly high quality. It increases the dielectric strength. But the new spark-plug generation also sets new standards in terms of head bending strength. In addition, an improved coating technique and a Bosch-patented laser welding method for the Iridium electrodes increase the electrode service life. Besides the service life, the warm gas tightness was significantly improved as well. This is particularly important for turbocharged lean burn engines.

### **Test customers confirm robustness and cost reduction**

Furthermore, a new nickel plating technique used for the new generation of Bosch industrial spark plugs also prevents spark plug seizure at the engine thus easing the maintenance, particularly if it is run with landfill gas or biogas. Due to the increased head bending strength and the high dielectric strength, reliable operation of the engine is ensured at any time – even under extreme operating conditions. Customers who tested the new generation of Bosch industrial spark plugs at their stationary engines did not only confirm the high durability of the new spark plugs, but also commented on prolonged service intervals, reduced engine downtime and lower costs.

**Press photos:** #1163784, #1163785

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