

Multi-Hole Gasoline Fuel Injector – Precision Spray Atomization Nozzle for Modern Passenger Cars & Light Commercial Vehicles

Specifications :

Price	Contact us
Place of Origin	China
Min.Order Quantity	10
Payment Terms	OEM?ODM?OBM
Supply Ability	1000
Delivery Detail	3-7

Detail Introduction :

Parameter	Specification / Detail
Fuel Type	Gasoline (Volatile, Low Viscosity)
Engine System	Gasoline Engine (Spark-Ignition)
Core Function	Fine Fuel Atomization & Rapid Evaporation for Homogeneous Air-Fuel Mixing
Target Applications	• Passenger Cars & Light Commercial Vehicles (Sedans, SUVs, MPVs complying with China-6b/Euro 6 standards) • Motorcycles & ATVs (Small-displacement EFI engines) • Small General Power Equipment (Garden machinery like lawn mowers & chainsaws, portable generators, light aircraft piston engines)

Product Description:

In modern spark-ignition internal combustion engines, optimal air-fuel mixing is critical for achieving lower carbon emissions and higher fuel economy. Our Multi-Hole Gasoline Fuel Injector features advanced multi-orifice nozzle technology engineered to produce tailored spray angles and precise flow targeted directly toward intake valves or combustion chambers. Constructed from high-grade stainless steel and corrosion-resistant alloys, this nozzle maintains strict flow tolerance even under high operating temperatures and continuous high-duty cycles.

Key Product Highlights:

Ultra-Fine Atomization: Multi-hole precision geometry minimizes droplet size, accelerating fuel evaporation and homogeneous charge creation.

Optimized Spray Targeting: Multi-directional spray patterns reduce wall wetting, preventing unburned hydrocarbon formation and carbon buildup.

Strict Emission Compliance: Built to meet China-6b, Euro 6, and future stringent environmental regulations.

Extended Service Life: High-grade internal sealing materials protect against fuel impurities and ethanol-blended fuels.

Target Applications:

Passenger Vehicles: Sedans, SUVs, crossovers, and MPVs equipped with gasoline direct injection (GDI) or port fuel injection (PFI) systems.

Light Commercial Vehicles: Fleet vans, light trucks, and urban delivery vehicles requiring optimal fuel economy and high reliability.

Why Choose Us:

We combine state-of-the-art CNC micro-machining with 100% automated dynamic flow testing. Every injector undergoes rigorous pressure-drop and leakage checks before shipment, guaranteeing OEM-level consistency, smooth engine idling, and reliable long-term durability.