

MORE THAN JUST A SPARE PART...

mtu X52404500056 spark plug



... the component specifically approved for your Biogas, Oil & Gas and Fast Start system.

mtu spark plugs are engineered for demanding gas engine applications where reliability, efficiency, and lifecycle value matter most. The X52404500056 pre-chamber spark plug is optimized for biogas, oil & gas, and fast start operations, delivering stable combustion performance even under lean operating conditions and higher combustion temperatures. Its advanced pre-chamber design

enhances efficiency, enables the engine to operate across broader combustion ranges and maximizes lifetime compared to conventional spark plugs. Because when a spark plug fails, it's never just a component failure. It's lost uptime, disrupted operations, and avoidable cost.

Industrial high temperature body technology
for stable resistance over lifetime

SAE monoblock terminal and ribbed insulator
for better electrical robustness

Unique ni-plated shell hot-locking assembly
increases mechanical strength against
dynamic combustion pressures

Increased HEX height of shell
for better installation tool stability

Pre-chamber cap for optimized combustion
material with better heat transfer properties



Benefits of *mtu* spark plugs

Only we can guarantee genuine spark plugs that are designed, tested and approved specifically for *mtu* engines and systems.



Engineered for maximum lifetime while ensuring optimal engine reliability and availability



Factory / OEM warranty coverage incl. professional service support



Proactive supersession and obsolescence management covering the complete lifecycle



Supported by our global state-of-the-art Parts Logistic Centers



Approved by certified engineers to secure value sustainability of your Series 4000 *mtu* equipment



Sustaining the value of your equipment. Only *mtu* parts live up to *mtu* standards

Applications: Biogas, Oil&Gas, Fast Start



Technical specifications

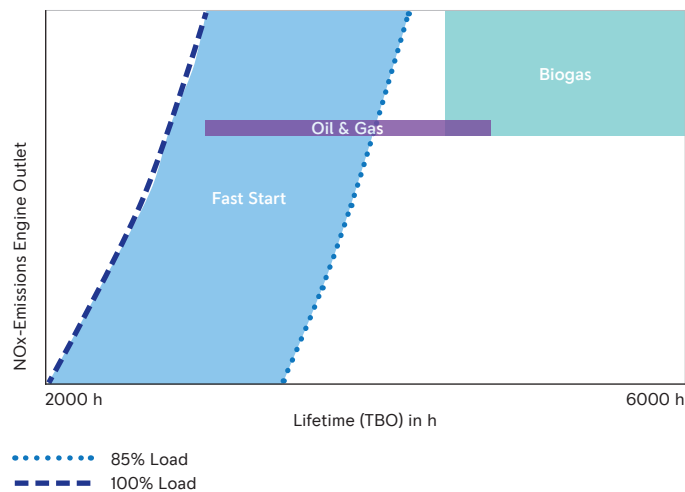
Properties	<i>mtu</i> spark plug
Hex	AF 20.8
Thread	M18 x 1.5
Electrode material	Iridium/Iridium
Electrode gap	nom 0.35 (pre- adjusted)
Tightening Torque	50 Nm

Reduce electrode wear – optimized further with thermal paste

The technical key for ensuring availability of *mtu* X52404500056 spark plug is the application of thermal paste. As it significantly reduces the temperature on the electrodes, a reduction of electrode wear is achieved. Under the precondition, that thermal paste is used, availability and lifetime of *mtu* spark plug can thus be boosted to a maximum. The following thermal pastes have been approved by our *mtu* certified technicians and can be ordered via your service dealer:

Material number	Size of bin
X00077589	Container (493g)
X00093272	Small tube (70g)
X00089439	Large can (750g)

mtu X52404500056 lifetime guideline values¹⁾



1) Depending on the NO_x threshold and engine operating conditions of your system, *mtu* X52404500056 spark plug can reach up to 6000 operating hours in Biogas application and variable operating hours in Oil & Gas and Fast Start applications. Precondition is, that thermal paste is applied.

Want to learn more?

Contact your local *mtu* service partner to learn more about *mtu* Spare Parts. Find your service partner at www.mtu-solutions.com