

Rotax MAX 125 Senior Evo – Spark Plug Heat Range Chart (Hottest → Coldest)

Brand	Plug	Heat Range	Ambient Temps	Typical Use Case
Denso	IW31	Hottest	Below 60°F (15°C)	Cold weather, short sessions, quicker warm-up
NGK	GR7DI	Very Hot	Below 60°F (15°C)	Quicker warm-up, better idle in cold temps
NGK	GR8DI	Hot (OEM)	60–85°F (15–29°C)	✅ Factory-recommended Rotax Evo plug ~0.8mm gap
Denso	IW29	Medium-Hot	60–80°F (15–27°C)	Balanced plug for spring/fall temps
Denso	IW27	Cold	Over 85°F (29°C)	Hot weather, long sessions, high engine loads
NGK	GR9DI	Coldest	Over 85°F (29°C)	Very hot weather or long endurance stints

✅ Quick Guidelines:

- Use **GR8DI** for most conditions. It is the official plug for **Rotax MAX Challenge**.
- **GR7DI/IW31** – Only for cold days or warm-up sessions. Risk of detonation in high heat.
- **GR9DI/IW27** – Best in hot summer races or long high-RPM sessions to prevent pre-ignition.
- **Always read the plug** after a session: light tan = ideal, white = too hot, black = too cold.