

PLASMA GAS / SHIELD GAS	MILD STEEL MATERIAL	STAINLESS STEEL MATERIAL	ALUMINIUM MATERIAL
Air/Air	Good cut quality/speed. Economical	Good cut quality/speed. Economical	Good cut quality/speed. Economical
Oxygen (O2)/Air	Excellent cut quality/speed. Very little dross	Not recommended	Not recommended
Nitrogen (N2)/CO2	Fair cut quality, some dross. Excellent parts life	Excellent cut quality. Excellent parts life	Excellent cut quality. Excellent parts life
Nitrogen (N2)2/Air	Fair cut quality, some dross. Excellent parts life	Good cut quality Excellent parts life	Good cut quality Excellent parts life
Nitrogen (N2)/H2O	Fair cut quality, some dross. Excellent parts life	Excellent cut quality. Excellent parts life	Excellent cut quality. Excellent parts life
Argon Hydrogen/N2	Not recommended	Excellent on thick >12mm	Excellent on thick >12mm