



TIG At a glance

Kjellberg[®] FINSTERWALDE

TIG-WELDING

OVERVIEW

TIG High-Performance Welding of high alloyed steel and aluminium

Focused TIG-processes

- ✓ **InFocus:**
High alloyed steel up to 1000 A (DC-), up to 10 mm single-layer, stable arc
- ✓ **InFocus Pluspole:**
Pluspole aluminium welding up to 500 A (DC+), up to 8 mm single-layer, reduced emissions
- ✓ Cooler, holders, power sources, wire systems and automation interfaces

Optimization of shielding gas coverage

- ✓ In process region as well as trailing or at the root
- ✓ High-performance flow analysis methods
- ✓ Solving problems in your production plant

Camera technology & sensorics

- ✓ Process visualization suitable for your production
- ✓ Weld seam detection and elaboration of control variables for your process automation



InFocus 1000 AX



InFocus Pluspole



Trailing gas nozzles





Power sources



Process visualization

Kjellberg is certified acc. to
DIN EN ISO 9001

Technical Data	InFocus	InFocus Pluspole
Welding current (100% d.c.)	1000 A / 500 A	450 A (FG Ar + 300 ppm O ₂)
Shielding gases	Ar, ArH ₂ , ArHe	Ar
Focusing gases	---	Ar / ArHe + 300 ppm O ₂ / NO
Diameter	30 mm / 20 mm	44 mm
Weight (without lead)	1.4 kg / 260 g	0.7 kg
Materials	high alloyed steel, duplex, nickel, nickel base, copper, titanium	aluminium
Product presentation		

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