

Kjellberg[®]
FINSTERWALDE

Engineering

Cutting

Welding



iQ-SERIES

MORE POWER.
MORE USABILITY.
MORE CONTROL.

PLASMA CUTTING 0.5 - 130 mm

kjellberg.de



iQ-Series

THE POWER OF MORE

With the iQ-Series, Kjellberg Finsterwalde continues to innovate with next-generation plasma technology.

The plasma cutting systems of the **iQ-Series** stand for proven cutting quality and advanced technology. They enable precise cutting up to 130 millimetres, exact contours and precise holes, bevel cutting, as well as versatile applications such as marking, notching or punching.

The modular design of the iQ-Series allows flexible adjustment of cutting performance to meet growing production requirements. Digital condition monitoring guarantees maximum utilisation of consumables while maintaining high cutting quality. High cutting speeds ensure greater efficiency and low costs per metre cut. Automation capability and eService make these plasma cutting systems a future-proof solution.

The iQ-Series revolutionises industrial production and sets new standards:

More Power

- ✓ Piercing up to 70 mm
- ✓ Plasma cutting with oxygen as well as argon/hydrogen up to 450 A
- ✓ Extended range of applications

More Usability

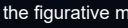
- ✓ Modern and clearly structured software
- ✓ Intuitive handling
- ✓ Simple integration via EtherCAT or RS-485
- ✓ Smart upgrade possibilities
- ✓ Process data available in real time in Q-Desk
- ✓ Remote monitoring and updates in the integrated Kjellberg eService



Technical data	iQ 1500 iQ 1500 plus		iQ 3000 iQ 3000 plus		iQ 4500	
Cutting current at 100% d.c. ¹	20 - 150 A		20 - 300 A		20 - 450 A	
Marking current at 100% d.c. ¹	5 - 60 A					
Cutting ranges	iQ-Gas O ₂	iQ-Gas	iQ-Gas O ₂	iQ-Gas	iQ-Gas O ₂	iQ-Gas
Mild steel	0.5 - 40 mm		0.5 - 60 mm		0.5 - 70 mm	
Recommended	60 mm		80 mm		120 mm	
Maximum	35 mm		50 mm		70 mm	
Piercing						
Stainless steel						
Maximum	40 mm	60 mm	60 mm	80 mm	60 mm	130 mm
Piercing	25 mm	30 mm	30 mm	50 mm	30 mm	50 mm
Aluminium						
Maximum	40 mm	60 mm	60 mm	80 mm	60 mm	120 mm
Piercing	25 mm	40 mm	40 mm	50 mm	40 mm	60 mm
Cutting gases	O ₂ , N ₂ , Air					
iQ-Gas O ₂	O ₂ , N ₂ , Air, Ar, H ₂ , F5 ²					
iQ-Gas						
Marking gases	Ar, N ₂ , Air					
Dimensions (LxWxH)	1150 x 695 x 1510 mm					
Mass	240/281 kg		298/318 kg		355 kg	
Fuse, slow	63 A		125 A		180 A	
Max. Connected load	35 kVA		72 kVA		109 kVA	
Protection class	IP 21S					
Mains voltages	380 - 400 V, 50/60 Hz 415 - 440 V, 50/60 Hz 440 - 480 V, 50/60 Hz					

¹ Ambient temperature 40 °C

² Forming gas F5 (95 % N₂ / 5 % H₂)


The combined word and figurative marks *Kjellberg* ^{FINSTERWALDE}, *Kjellberg* ^{CUTTING}, the figurative marks , **silent CUT**, **contour cut** and the word marks Kjellberg, Kjellberg Cutting, iQ, Q-Torch, Q-Hole, Smart Focus, HiFocus, Contour Cut, PerCut, CUTFIRE, CUTI and KjellCut are trademarks of the Kjellberg Foundation registered in the European Union and possibly other countries.

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Subject to change without prior notice.