

ACCESSORIES

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ELECTRODE HOLDERS
DE 2200 ▪ DE 2300 ▪ DE 2400 ▪ DE 2500

All documents in one place: ABIDOC

The durable classics – the original

Electrode holders are used for manual electrode welding. These classics from ABICOR BINZEL with their compression spring holder – often referred to as KURT HAUFE "Black & White" or "German Style" – are a symbol of quality and reliability MADE IN GERMANY. Overseas in particular, they have been a legendary market leader for decades. They are one of the most copied tools for arc welding, but their replicas have never achieved the same reliability and quality.

Due to their extremely robust design, these compression spring electrode holders are the ideal tool for outdoor professionals and are used in pipeline and bridge construction as well as in shipyards.

Special features:

- High-tensile, heat insulated handle
- Mechanical and thermal heavy-duty insulating material
- Safe electrode voltage in four chip flutes
- Big electrode and welding cable connection area



Technical data

Type	Rating at 60 % duty cycle	Rating at 35 % duty cycle	Elektrodes-Ø	Welding cable	Connection bolt**
DE 2200	200 A	250 A	2.0–4.0 mm	25/35 mm**	M8
DE 2300	300 A	400 A	2.0–6.3 mm	35/70 mm**	M8
DE 2400	400 A	500 A	4.0–8.0 mm	50/95 mm**	M10
DE 2500	500 A	600 A	4.0–10.0 mm	70/120 mm**	M10

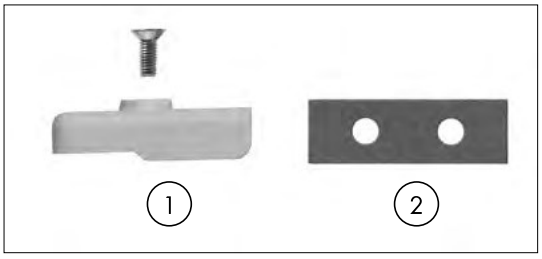
**for cable shoe

Electrode holder cpl.



Type	Part-No.
Electrode holder DE 2200	512.D060
Electrode holder DE 2300	512.D070
Electrode holder DE 2400	512.D080
Electrode holder DE 2500	512.D090

Wear parts



Position	Description	Part-No.			
		DE 2200	DE 2300	DE 2400	DE 2500
1	Insulating flange (2 pcs.)	512.D021	512.D031	512.D041	512.D091
2	Insulating plate	–	512.D032	512.D032	512.D032

GOUGING TORCH
K12 ▪ K16 ▪ K20

All documents in one place: ABIDOC

Reliable and safe

Arc gouging torches are the ideal tool for convenient and safe gouging, seam preparation and finishing, gouging of blowholes and cracks, chamfering, cutting and piercing in all metals. A power range of 600 to 1,500 amps is covered in 3 load levels.

The simple and robust design characterizes these gouging torches, originally known under the KURT HAUFE brand, as well as the possibility of precise air flow regulation by means of a cone valve. A highly flexible special cable and the optional rotary connection round off the design and ensure an optimum price-performance ratio overall.

Special features:

- Oval, rugged, heat insulated handle
- Regulation of compressed air via rotary valve
- High air consumption
- High flex cable
- Turnable nozzle suitable for round and flat electrodes



Technical data

Type	Rating	Duty cycle	Round electrode-Ø	Flat electrode		Compr. air max.	Compr. air connection
				width (mm)	thickness (mm)		
K12	600 A	60%	4–12 mm	15/20	4–5	10 bar	3/8"-18 NPT
K16	1000 A	60%	8–16 mm	15/20/25	4–5	10 bar	3/8"-18 NPT
K20	1500 A	60%	8–19 mm	15/20/25	4–5	10 bar	3/8"-18 NPT

Gouging torch cpl.

Type	Description	Part-No.	
		2.1 m	3.0 m
Gouging torch K12	cpl. with cable assembly	516.D125	516.D002
Gouging torch K16	cpl. with cable assembly	516.D126	516.D003
Gouging torch K20	cpl. with cable assembly	–	516.D167.1



GOUGING TORCH **TEAM BINZEL®**
G 3000 ▪ G 4000

Rugged and easy to handle ...

The TEAM BINZEL® gouging torches G 3000 and G 4000 are safe and easy to handle. They are designed to be used for gouging, weld seam preparing, gouging out of blowholes and cracks, chamfering, cutting, surface resurfacing and keyhole cutting for all common materials.

Special features:

- Rugged and heat resistant handle
- Turnable nozzle suitable for round and flat electrodes
- High air consumption
- High flex cable
- Swivel joint



Technical data

Type	Rating	Duty cycle	Nom. air pressure	Nom. volume flow	Connection air supply
G 3000	max. 600 A	60 %	7 bar	approx. 0.60 m^3/min.	3/8"-18 NPT
G 4000	max. 1000 A	35 %	7 bar	approx. 0.70 m^3/min.	3/8"-18 NPT

Gouging torch TEAM BINZEL® G 3000

Type	Part-No.
Gouging torch TEAM BINZEL® G 3000 (torch only)	516.0001
Gouging torch TEAM BINZEL® G 3000 cpl. with cable assembly (length = 2.1 m)	516.0002
Gouging torch TEAM BINZEL® G 3000 cpl. with cable assembly (length = 3.0 m)	516.0003
Cable assembly, length = 2.1 m	516.0004
Cable assembly, length = 3.0 m	516.0005

Gouging torch TEAM BINZEL® G 4000

Type	Part-No.
Gouging torch TEAM BINZEL® G 4000 (torch only)	516.0001
Gouging torch TEAM BINZEL® G 4000 cpl. with cable assembly (length = 2.1 m)	516.0002
Gouging torch TEAM BINZEL® G 4000 cpl. with cable assembly (length = 3.0 m)	516.0003
Cable assembly, length = 2.1 m	516.0004
Cable assembly, length = 3.0 m	516.0005



GOUGING ELECTRODES **TEAM BINZEL®**
ABIARC

All documents in one place: ABIDOC

Pure efficiency

TEAM BINZEL® gouging electrodes are made of artificial graphite and have a pure copper coating. The gouging electrodes are available in the variety of shapes and diameters to meet the needs of various applications.

Special features:

- Pure copper coated – good electric conductivity
- High density (made of artificial graphite) – high metal removal rate
- Less consumption of electrodes – cost reduction
- Constant quality – for a safe process
- High metal removal rate – effective process
- Extremely low burn back rate



Order overview ABIARC gouging electrodes

ABIARC gouging electrodes (DC) pointed				
Type		Ampere	Pcs.	Part-No.
4 x 305 mm	(5/32" x 12")	250	50	515.0015
5 x 305 mm	(3/16" x 12")	300	50	515.0016
6.5 x 305 mm	(1/4" x 12")	400	50	515.0017
8 x 305 mm	(5/16" x 12")	500	50	515.0018
9.5 x 305 mm	(3/8" x 12")	600	50	515.0019
13 x 355 mm	(1/2" x 14")	900	50	515.0020

ABIARC gouging electrodes (AC) pointed				
Type		Ampere	Pcs.	Part-No.
6.5 x 305 mm	(1/4" x 12")	350	50	515.0023
9.5 x 305 mm	(3/8" x 12")	450	50	515.0024

ABIARC gouging electrodes (DC) flat			
Type	Ampere	Pcs.	Part-No.
10 x 5 x 305 mm	400	50	515.0025
15 x 5 x 305 mm	550	50	515.0026

ABIARC gouging electrodes (DC) jointed				
Type		Ampere	Pcs.	Part-No.
9.5 x 430 mm	(3/8" x 17")	600	50	515.0027
13 x 430 mm	(1/2" x 17")	1400	50	515.0028
16 x 430 mm	(5/8" x 17")	1800	50	515.0029
19 x 430 mm	(3/4" x 17")	2000	50	515.0030

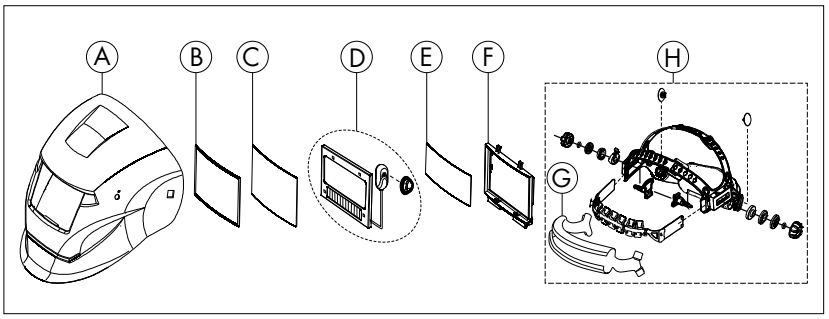
WELDING HELMET
ADF735S

The ADF735S welding helmet combines quality with advanced features.



Technical data

Optical class:	1/1/1/2	Standards:	CE, UKCA
Display size:	96 x 53 mm	Sensors:	4
Cassette:	True color	Power supply:	Solar cell & Battery (with battery indicator)
Switch time:	1/25.000 sec		
Lens shade:	9–13		



Welding helmet ADF735S		
Pos.	Description	Part-No.
15	Welding helmet ADF735S, automatic darkening	519.0018.1

Spare parts for welding helmet ADF735S		**Included articles**								
Pos.	Description	A	B	C	D	E	F	G	H	Part-No.
B/C/E	Front cover lens set	–	2	10	–	1	–	–	–	519.0019.1
B/C/E	Front cover lens set with mounted rubber holder	–	10	10	–	1	–	–	–	519.0024.1
A/F	Shell with lens holder set	1	–	–	–	–	1	–	–	519.0020.1
H	Headgear complete	–	–	–	–	–	–	–	1	519.0021.1
D	Automatic welding protection filter	–	–	–	1	–	–	–	–	519.0022.1
G	Sweatband	–	–	–	–	–	–	3	–	519.0023.3

ANTI-SPATTER
SUPER PISTOLENSPRAY NF ▪ SUPER PISTOLENSPRAY

Non-flammable anti-spatter-spray for torches und workstations

All documents in one place: ABIDOC

The newly developed Super Pistolenspray NF is a non-flammable anti-spatter agent for torch and workpiece.

It can be used anywhere, especially where the use of flammable sprays is not possible or even prohibited, such as: in closed rooms, in container and shipbuilding.

Based on an aqueous emulsion of vegetable oils, the new Super Pistolenspray NF contains no hazardous substances and is therefore not subject to any separate safety regulations, neither during transport or storage nor during of use.

Thanks to its neutral behavior towards the welding process and thanks to its corrosion inhibitors, it can also be applied to the gas nozzle of the torch and the workpiece for protection against spatters and corrosion.

- Non flammable according ABICOR BINZEL NF standard
- Silicone-free, wax-free and water-soluble
- Neutral behavior towards the welding process
- Corrosion inhibitors protect equipment and surfaces
- Aspraying behavior optimized for workpiece and gas nozzle
- More usable release agent with the same can size



Super Pistolenspray NF	
Description	Part-No.
Super Pistolenspray NF*, 400 ml ▪ 12 pcs. ▪ languages: DE/EN/FR/IT/ES/NL/PT/PL/CS/RU/UK/ZH**	192.0315.1

*When used for welding aluminium or special alloys, a welding test should always be carried out beforehand.

The classical Anti-Spatter-Spray

ABICOR BINZEL Super Pistolenspray is a special silicon-free formula developed on the basis of environmentally-friendly, solvent-free natural special oils that are not harmful to health, and additives that do not have to be specifically labelled.

The Anti-Spatter-Spray has been successfully used in all sectors of the metalworking industry and is in demand daily in very different areas of application.

- Silicon-free
- Environmentally friendly raw materials as a basis
- Solvent-free



Super Pistolenspray	
Description	Part-No.
Super Pistolenspray, 400 ml ▪ 12 pcs. ▪ languages: DE/EN/FR/NL/SV/DA/FI/IT**	192.0071
Super Pistolenspray, 400 ml ▪ 12 pcs. ▪ languages: CS/SK/PL/HU/HR/SL/SR/EN**	192.0107
Super Pistolenspray, 400 ml ▪ 12 pcs. ▪ languages: RU/UK/LT/LV/ET/BG/RO**	192.0213.1
Super Pistolenspray, 400 ml ▪ 12 pcs. ▪ languages: EN/ZH/ES/EL/PT/NO/TR**	192.0214.1

** The respective article may only be sold in countries whose official languages are listed here.

ANTI-SPATTER
SUPER COATING CAP ▪ DÜSOFIX

Super Coating Cap



The contact tip and the front of the gas nozzle are ideally protected against welding spatter with the Super Coating Cap especially for the ABICOR BINZEL Super Pistolenspray. Simply attach and dose optimally.

- Economical to use, good for your wallet
- Targeted spraying protects the welder and the environment
- Time-saving thanks to easy handling
- Optimal wetting of contact tip and gas nozzle
- Multiple uses

Super Coating Cap	
Description	Part-No.
Super Coating Cap ▪ 1 pc.	192.0409.1

Nozzle protection paste

Düsofix is a spatter protection paste for gas nozzles. Biodegradable, special labeling not required, silicon-free. The metal can enables the hot gas nozzle to be dipped safely into the Düsofix – even directly after the welding process. The spatter adhesion is reduced by the protective film.

- Silicon-free
- Special labelling not required
- Can also be used on hot gas nozzles



Düsofix	
Description	Part-No.
Düsofix, 300 g ▪ 12 pcs. ▪ languages: DE/EN/FR/SV	192.0058
Düsofix, 300 g ▪ 12 pcs. ▪ languages: CS/SK/PL/RO/BG	192.D032
Düsofix, 300 g ▪ 12 pcs. ▪ languages: RU/HU/LT/LV/ET	192.D033
Düsofix, 300 g ▪ 12 pcs. ▪ languages: ES/IT/PT/EL/TR	192.0224.1

ANTI-SPATTER
ABIBLUE NF

Welding spatter gets the blues!

All documents in one place: ABIDOC

ABIBLUE NF does away with welding spatter adhesions on the workpiece in a particularly effective way and thus saves time and money. It contains a blue colour indicator that shows the welder immediately whether the workpiece is covered with a separating agent – naturally without influencing the welding process.

Usable for all relevant welding methods, as well as for laser and plasma cutting. This simplifies handling in larger operations with different welding and cutting processes.

Safety for subsequent coating/painting/galvanising was ensured in cooperation with an independent testing institution.

This spatter protection variant is particularly environmentally friendly through the use of sustainable raw materials.

The advantages of ABIBLUE NF

- Non-flammable – satisfies the ABICOR BINZEL NF standard
- Special labeling not required in accordance with GHS/CLP
- Easily biodegradable
- Can be washed off with water
- Silicon-free
- Colour indicator – optimal detection of workpiece wetting
- Suitable for welding and laser cutting applications
- Capability of being welded over confirmed by an independent testing institution
- No adverse effects with subsequent coating/painting/galvanising if standard pre-treatment methods are complied with



ABICOR BINZEL APPROVED NF-STANDARD

ABICOR BINZEL NF-STANDARD

Detecting what will not ignite even faster: the stamp for NF products from ABICOR BINZEL

Products from ABICOR BINZEL that have the abbreviation “NF” (non-flammable) in their name have passed practical tests developed by ABICOR BINZEL especially for welding technology.

The standard defined by ABICOR BINZEL for NF products goes further than the provisions of the GHS and of the CLP Regulation on the classification of the flammability of an NF product and covers a broad range of standard combinations of active shielding gases, extremely different workpieces and different welding processes.

Only products that have passed all the tests without igniting may show the ABICOR BINZEL NF designation. In addition to the “NF” in the name, products are also marked with a stamp.

The ABICOR BINZEL NF standard provides more safety for welders and companies.

ABIBLUE NF anti-spatter-emulsion





ABIBLUE NF anti-spatter-emulsion		
Position	Description	Part-No.
1	ABIBLUE NF anti-spatter-emulsion, 5 litre canister; languages: DE/EN/FR/IT/RU/UK	192.0238.1
2	ABIBLUE NF anti-spatter-emulsion, 10 litre canister; languages: DE/EN/FR/IT/RU/UK	192.0239.1
3	ABIBLUE NF anti-spatter-emulsion, 20 litre canister; languages: DE/EN/FR/IT/RU/UK	192.0240.1
not fig.	ABIBLUE NF anti-spatter-emulsion, 200 litre barrel*; languages: DE/EN/FR/IT/RU/UK	192.0241.1
4	Outlet tap RD 45, for 5 and 10 litre canister ▪ 2 pcs.	192.0399.2
5	Outlet tap RD 61, for 20 litre canister ▪ 2 pcs.	192.0400.2
not fig.	Outlet tap for 200 litre barrels ▪ 1 pc.	192.0109

*Can be used for at least 6 months without remixing if stored and transported frost-free.
In order to guarantee maximum durability, the barrels are not in stock, but the delivery time is only approx. 2 weeks.

ABIBLUE NF spray bottles

The sprays have spray heads specially designed for ABIBLUE NF and thus ensure an optimum spraying pattern. The spray head can be set to the required spraying pattern before use, and the workpiece can be evenly sprayed and wetted. Suitable for use with ABIBLUE NF anti-spatter-emulsion.

The metal spray bottle is our robust solution for keeping ABIBLUE NF close to the process. Thanks to its solid metal body, it is insusceptible to heat and welding spatter.





A plastic spray bottle is available as an alternative to the metal spray bottle. This does not require pressure compensation and is thus leak proof.



ABIBLUE NF spray bottles		
Position	Description	Part-No.
1	Metal spray bottle complete, without contents, 520 ml ▪ 12 pcs.	192.0163
2	Insert hand spray pump for metal spray bottle ▪ 1 pc.	192.0164
3	Plastic spray bottle complete, without contents, 500 ml ▪ 15 pcs.	192.0254.15

ANTI-SPATTER
CERAMIC SPRAY

Premium anti-spatter-spray for torches

All documents in one place: ABIDOC

ABICOR BINZEL Ceramic Spray is resistant to high temperatures and provides long-term protection from welding spatter adhesions on gas nozzle and contact tips, and on all welding process fixtures. ABICOR BINZEL Ceramic Spray increases system availability and lowers ongoing maintenance costs. It is also perfectly suit-able for automated applications with long welding processes.

After spraying, a white ceramic protective film is formed that is resistant to high temperatures. Thanks to the extremely short drying time of approx. 5 seconds, the welding process can be started immediately.

- Silicone-free
- Very high ceramic content – wide coverage
- Lowers ongoing maintenance costs
- Increases system availability
- Excellent coating adhesion
- High abrasion resistance
- Very short drying time (approx. 5 seconds)
- For all MIG/MAG torches
- For all processes

ABICOR BINZEL Ceramic Spray





ABICOR BINZEL Ceramic Spray	
Description	Part-No.
Ceramic Spray, 400 ml ▪ 12 pcs. ▪ languages: DE/EN/FR/NL/ES/PT/IT/SV*	192.0228.1
Ceramic Spray, 400 ml ▪ 12 pcs. ▪ languages: RU/CS/SK/PL/LT/LV/ET/EN*	192.0229.1
Ceramic Spray, 400 ml ▪ 12 pcs. ▪ languages: EN/FI/SV/NO/DA/TR/ZH/EL*	192.0242.1

Ceramic Coating Cap



The Ceramic Coating Cap was developed specially for ABICOR BINZEL Ceramic Spray. The contact tip as well as the tip of the gas nozzle and its interior can be optimally protected in a few seconds from adhering welding spatter with the Ceramic Coating Cap.

- Cost savings through lower consumption
- Protects the welder and the environment
- Time savings through better handling
- Optimum wetting of the gas nozzle
- Can be reused several times

Ceramic Coating Cap	
Description	Part-No.
Ceramic Coating Cap ▪ 10 pcs.	192.0256.1

* The respective article may only be sold in countries whose official languages are listed here.

COOLANT LIQUIDS
CONDUCTIVITY TESTER

Primo 5

Low conductivity of the coolant in liquid cooled welding and cutting equipment has been shown to increase the lifetime of the hose package, torch and cooling unit and should therefore be checked at regular intervals.

The new conductivity tester Primo 5 is ideally suited for checking the conductivity and, thanks to its compact design, allows a faster and less complicated measurement than its predecessor.

Its long, rugged probe requires low maintenance while still ensuring accurate measurement. The measured value is easy to read via the large display. Temperature compensation is automatic via integrated temperature sensor and the calibration is done automatically via a special calibration liquid.



Conductivity tester Primo 5	
Description	**Part-No.**
Conductivity tester Primo 5	514.0062.1
Calibration liquid bottle 230 ml	514.0311.1



Recommended maximum conductivity:

MIG/MAG	350 µS/cm
TIG	250 µS/cm
Plasma	30 µS/cm*

*applies to products from ABICOR BINZEL, for competitor products, the manufacturer's specifications are to be observed!

Technical data:

Range:	0 bis 1999 µS/cm
Resolution:	1 µS/cm
Accuracy:	± 2 % of the display
Calibration:	Automatic with calibration liquid (1413 µS/cm)
Temperature compensation:	Automatic between 0 and 50 °C
Battery type/lifetime:	2 x 1.5 V, approx. 200 hours of continuous use
Automatic shutdown:	After 5 min.
Dimensions:	180 x 50 x 25 mm
Weight:	50 g

COOLANT LIQUIDS
BTC ▪ BTC-NF

Coolants for all welding and cutting systems

All documents in one place: ABIDOC

Liquid cooled torches require special coolants. These should have very good cooling properties, low electrical conductivity and in addition good storage properties. ABICOR BINZEL BTC coolants satisfy these requirements reliably, ensure optimal cooling of liquid cooled welding and cutting torches and thus provide perfect protection for the complete cooling system.

- Optimal cooling of torches
- Long life in the cooling system
- Prevents a rapid increase in the electrical conductivity – electrical corrosion on metal parts is considerably reduced
- The complete cooling system is protected from blockages and consequential damage
- Suitable for all welding and cutting systems

BTC-15



- Very low conductivity value of < 4 µS/cm.
- Frost-proof up to –12° C
- Silicone-free
- pH value: 6





Coolant liquid BTC-15		
Position	Description	Part-No.
1	BTC-15, 5 litre canister ▪ languages: DE/EN/FR/ES/CS/SK/PL/RU*	192.0110
2	BTC-15, 20 litre canister ▪ languages: DE/EN/FR/ES/CS/SK/PL/RU*	192.0111
3	Outlet tap RD 45, for 5 und 10 litre canister ▪ 2 pcs.	192.0399.2
4	Outlet tap RD 61, for 20 litre canister ▪ 2 pcs.	192.0400.2
not fig.	BTC-15, 200 litre barrel ▪ languages: DE/EN/FR/CS/PL/RU*	192.0112
5	Outlet tap for 200 litre barrels ▪ 1 pc.	192.0109

* The respective article may only be sold in countries whose official languages are listed here.

BTC-20 NF



- Very low conductivity value of < 4 µS/cm.
- Non-flammable – conforms to the ABICOR BINZEL NF standard
- Uncomplicated storage – non-flammable product
- Frost-proof up to –17° C
- Silicone-free
- pH value: 6





Coolant liquid BTC-20 NF		
Position	Description	Part-No.
6	BTC-20 NF, 5 litre canister ▪ Languages: DE/EN/FR/ES/CS/SK/PL/RU*	192.0265.1
6	BTC-20 NF, 5 litre canister ▪ Languages: DE/FR/NL/TR/NO/DA/PT/SV*	192.0266.1
7	BTC-20 NF, 20 litre canister ▪ Languages: DE/EN/FR/ES/CS/SK/PL/RU*	192.0267.1
7	BTC-20 NF, 20 litre canister ▪ Languages: DE/FR/NL/TR/NO/DA/PT/SV*	192.0268.1
8	Outlet tap RD 45, for 5 und 10 litre canister ▪ 2 pcs.	192.0399.2
9	Outlet tap RD 61, for 20 litre canister ▪ 2 pcs.	192.0400.2
not fig.	BTC-20 NF, 200 litre barrel ▪ Languages: DE/EN/FR/CS/PL/RU*	192.0269.1
10	Outlet tap for 200 litre barrels ▪ 1 pc.	192.0109

BTC-50 NF



- Very low conductivity value of < 4 µS/cm.
- Non-flammable – conforms to the ABICOR BINZEL NF standard
- Uncomplicated storage – non-flammable product
- Frost-proof up to –45° C
- Silicone-free
- pH value: 6





Coolant liquid BTC-50 NF		
Position	Description	Part-No.
11	BTC-50 NF, 5 litre canister ▪ languages: DE/EN/FR/ES/CS/SK/PL/RU*	192.0175.1
11	BTC-50 NF, 5 litre canister ▪ languages: DE/FR/NL/TR/NO/DA/PT/SV*	192.0260.1
12	BTC-50 NF, 20 litre canister ▪ languages: DE/EN/FR/ES/CS/SK/PL/RU*	192.0176.1
12	BTC-50 NF, 20 litre canister ▪ languages: DE/FR/NL/TR/NO/DA/PT/SV*	192.0261.1
13	Outlet tap RD 45, for 5 und 10 litre canister ▪ 2 pcs.	192.0399.2
14	Outlet tap RD 61, for 20 litre canister ▪ 2 pcs.	192.0400.2
not fig.	BTC-50 NF 200 litre barrel ▪ languages: DE/EN/FR/CS/PL/RU*	192.0177.1
15	Outlet tap for 200 litre barrels ▪ 1 pc.	192.0109

* The respective article may only be sold in countries whose official languages are listed here.

WELDING ACCESSORIES
UTILITIES ▪ TOOLS ▪ GROUND CLAMPS

All documents in one place: ABIDOC

Special pliers and wire cleaning sets









1 **Special pliers** (FIX)
No. 1 ▪ for gas nozzles NW 12–15 mm Part-No.: 193.0013
No. 2 ▪ for gas nozzles NW 15–18 mm Part-No.: 193.0014

4 **Clamp** (12 pcs.) Part-No.: 193.0007

2 **Wire cleaning set**
red for steel (set) Part-No.: 193.0001.1
red for steel (25 pcs.) Part-No.: 193.0003.25

3 **Wire cleaning set**
white for Al (set) Part-No.: 193.0002.1
white for Al (25 pcs.) Part-No.: 193.0004.25

Magnetic welding mirror



5 **Magnetic welding mirror, 400 mm long**
Steel mirror 70 x 80 mm, flexible metal tube, ball joint, and adhesive magnet Part-No.: 514.0053.1
Replacement mirror (without mount)
Steel mirror 70 x 80 mm Part-No.: 514.0054.1

Handy-supports, sharpener, hose cutters and gas flow meters









6 **TIG handy-support** (FIX)
without magnet base Part-No.: 193.0019

7 **MIG-Handy-Support** (FIX)
without magnet base Part-No.: 193.0018

Magnet base (not fig.) Part-No.: 193.0023

8 **Sharpener**
for liners Part-No.: 191.0064.1

9 **Hose cutter** Part-No.: 191.0062.1

10 **Gas flow meter** Part-No.: 191.0003

Accessories case, Wire brushes



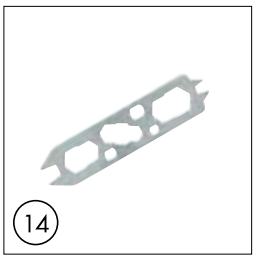


13 **Accessories case**
small Part-No.: 192.0066
big Part-No.: 192.0069

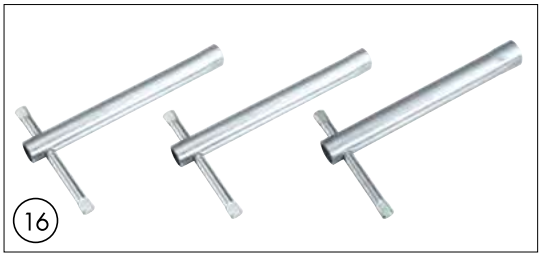
14 **Wire brushes** **Part-No.**
Stainl. steel, 290 mm, Ø 0.35 mm 514.0043.1
Brass steel wire universal brush, 260 mm, Ø 0.30 mm 514.0049.1

Special wrenches









13 **Multiple wrench**
Standard Part-No.: 191.0001
14 **Multiple wrench** Part-No.: 191.D045
for ABIMIG® ABIMIG®
15 **Multiple wrench** Part-No.: 191.0193.10
Type MB EVO PRO
16 **Socket wrench** (L=120 mm)
SW 6 Part-No.: 191.0103
SW 8 Part-No.: 191.0102
SW 10 Part-No.: 191.0104

Ground clamps for screwing, clamping or with magnet



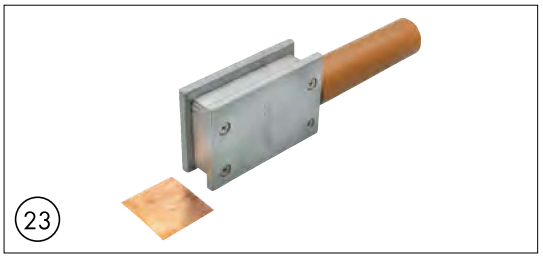












Ground clamps			
Position	Description	Rating	Part-No.
17	ABIGATOR 25	Duty cycle 60% 200 A/Duty cycle 100% 157 A	513.0013.1
18	ABIGATOR 35 XL	Duty cycle 60% 250 A/Duty cycle 100% 196 A	513.0014.1
19	ABIGATOR 50	Duty cycle 60% 300 A/Duty cycle 100% 248 A	513.0015.1
20	ABIGATOR 70	Duty cycle 60% 400 A/Duty cycle 100% 309 A	513.0024.1
21	ABIGATOR 95	Duty cycle 60% 400 A/Duty cycle 100% 309 A	513.0027.1
22	ABIGATOR 120	Duty cycle 60% 500 A/Duty cycle 100% 374 A	513.0026.1
23	ABIMAGNET	Duty cycle 60% 400 A/Duty cycle 100% 309 A	513.0029.1

Chipping hammers

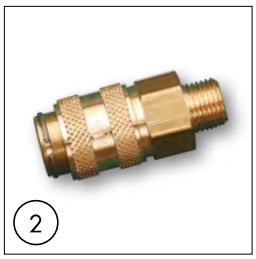


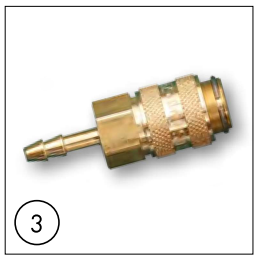
24 **Chipping hammers**
Type "Splitter steel", tube handle steel, 420 g
Part-No.: 514.0028.1
Type "D-Style", wooden handle, 470 g
Part-No.: 514.0037.1
Type "S-Style", wooden handle, 150 g
Part-No.: 514.0038.1

WELDING ACCESSORIES
ADAPTER PIECES ▪ DOUBLE NIPPLE ▪ QUICK COUPLINGS

Quick couplings

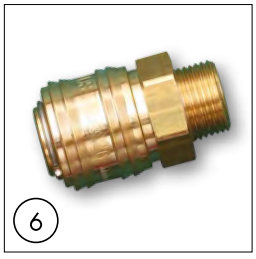

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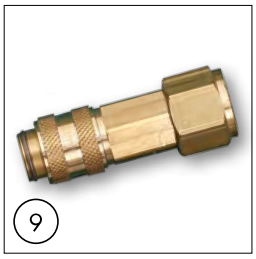

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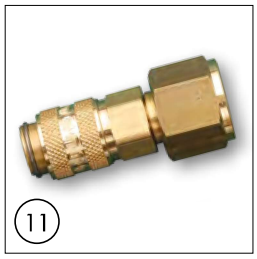

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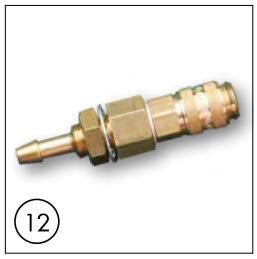

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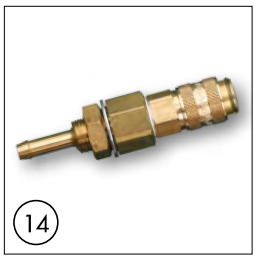

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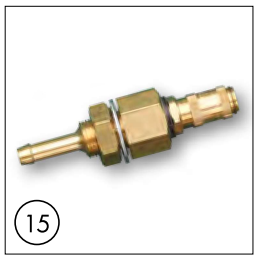

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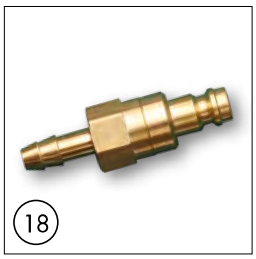

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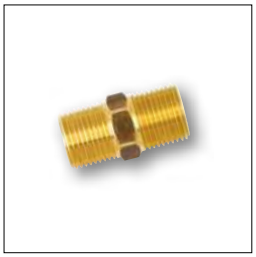
Quick couplings		
Position	Description	Part-No.
1	Quick coupling DN 5 G1/8" IG	177.0002
2	Quick coupling DN 5 G1/8" AG	177.0003
3	Quick coupling DN 5 nozzle Ø = 4 mm	177.0007
4	Quick coupling DN 2.7 nozzle Ø = 4 mm	177.0009
5	Quick coupling DN 5 nozzle Ø = 6 mm ▪ self-locking	177.0016.10
6	Quick coupling G3/8" AG	177.0012
7	Quick coupling DN 5 G1/8" AG ▪ red	177.0013
8	Quick coupling DN 5 G1/8" AG ▪ blue	177.0014
9	Quick coupling DN 5 G1/4" IG	501.0158
10	Quick coupling DN 5 5/8" – 18G UNF-LH AG	501.0188
11	Quick coupling DN 5 G3/8" IG	501.0189
12	Quick coupling DN 5 nozzle Ø = 8 mm	501.0190
13	Quick coupling DN 5 nozzle Ø = 10 mm	501.0195
14	Quick coupling DN 5 nozzle Ø = 6.5 mm	501.0204
15	Quick coupling DN 2.7 nozzle Ø = 6.5 mm	501.0230
16	Quick coupling DN 5 nozzle Ø = 6 mm	501.0270
17	Quick coupling DN 5 5/8" – 18G UNF IG	501.1795
18	Plug-in nipple DN 5 ▪ self-locking	501.2318
19	Quick coupling DN 5 nozzle Ø = 6.5 mm ▪ red	501.2403
20	Quick coupling DN 5 nozzle Ø = 6.5 mm ▪ blue	501.2404
21	Quick coupling DN 5 nozzle Ø = 6 mm	560.0017
22	Quick coupling DN 5 CRNG20 ▪ Roll-Liner NG	783.5207.1
23	Quick coupling DN 5 1/4" AG	850.0263
24	Quick coupling DN 2.7 G1/8" AG	177.0001
25	Quick coupling DN 7.2 nozzle Ø = 6 mm	177.0010

Adapter pieces



Adapter pieces	
Bezeichnung	Part-No.
Adapter piece M12x1 – G3/8"	710.0003
Adapter piece M12x1 – G1/4"	710.0004
Adapter piece M12x1 – G1/8"	710.0009

Double nipple



Double nipple	
Bezeichnung	Part-No.
Double nipple G1/8" AG/G1/8" AG SW 12 (MS)	710.0016
Double nipple M12x1 AG/M12x1 AG SW 12 (MS)	710.0017
Double nipple G1/4" AG/G1/4" AG SW 14 (MS)	710.0018
Double nipple G3/8" AG/G3/8" AG SW 17 (MS)	710.0019
Double nipple M10x1 AG/M10x1 AG SW 10 (MS)	710.0020

WELDING CABLE CONNECTOR SYSTEM
ABIPLUG

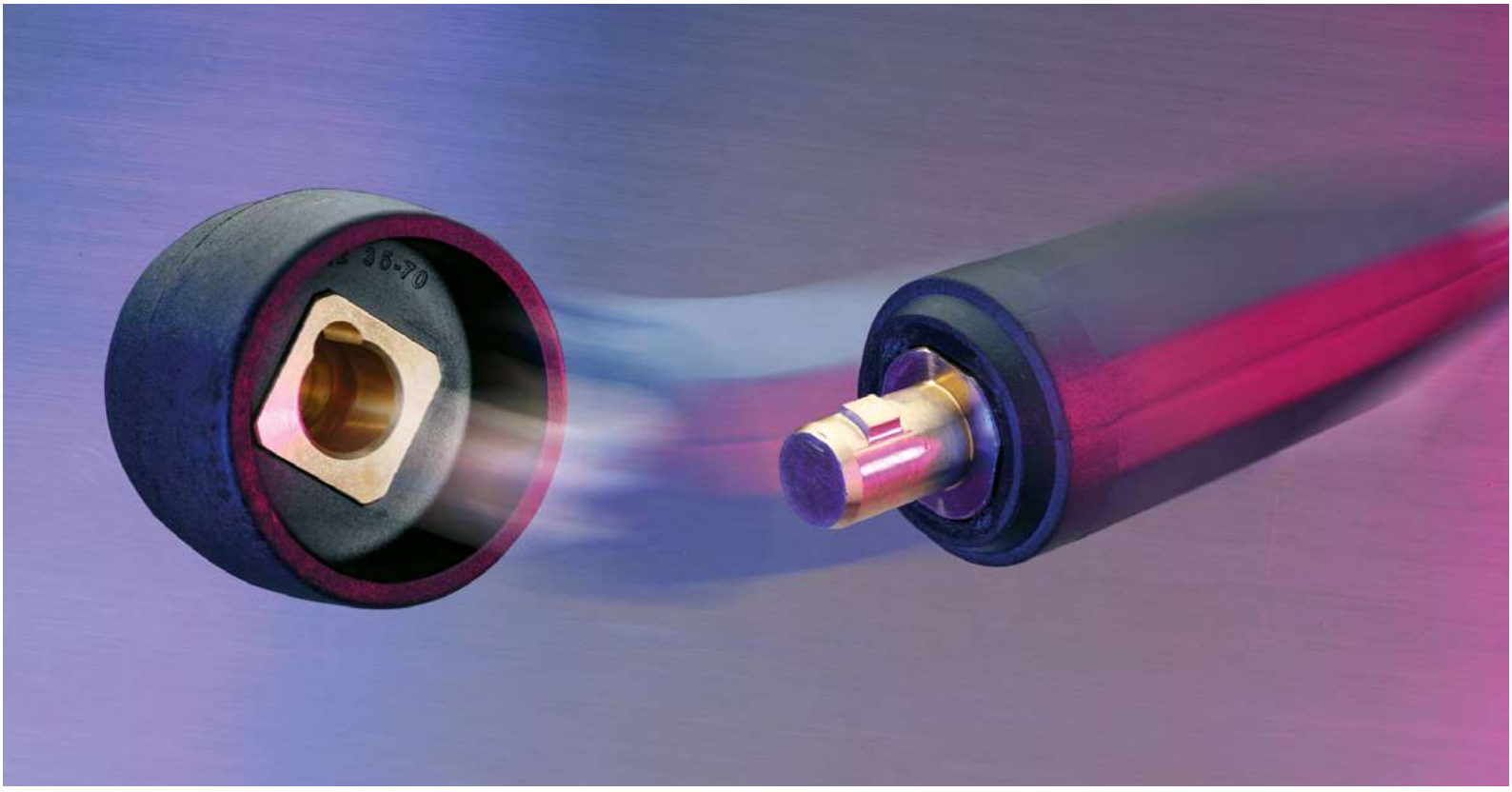
All documents in one place: ABIDOC

Plug & weld! ABIPLUG – the reliable connection.

The new range of ABIPLUG welding cable connectors from ABICOR BINZEL – designed for safe and effective current transfer in arc welding technology – guarantees maximum operating safety for the equipment and the user. Available as either panel socket / cable plug combination or as panel plug / cable socket combination.

The advantages:

- Safe and quick connection – highest twist resistance due to the revolutionary "square end-block-system" by ABICOR BINZEL
- High flash-over resistance – for maximum machine protection
- Easy mounting, optimal connection and excellent power transmission
- Compatible with all commercially available makes – can be built out of metal or plastic panels
- Corresponds to EN-standard EN 60 974-12 – the new EN-standard



Technical data

Welding cable connector system			
Type	Current (A)	Cable (mm^2)	Mount-Ø (mm)
*10-25	125	bis 10	20.5
*10-25	150	10–16	20.5
*10-25	200	16–25	20.5
*35-50	250	25–35	30.5
*35-50	300	35–50	30.5
*50-70	400	50–70	30.5
*70-95	500	70–95	30.5

* = **ABI-CM / ABI-IF** oder **ABI-CF / ABI-IM**

ABI-CM (Cable Male) = Welding cable plug
ABI-CF (Cable Female) = Welding cable socket
ABI-IM (Insert Male) = Panel mounted plug
ABI-IF (Insert Female) = Panel mounted socket



Panel sockets

1	ABI-IF 10-25	Part-No.: 511.0304
2	ABI-IF 35-50	Part-No.: 511.0314
3	ABI-IF 50-70	Part-No.: 511.0330
4	ABI-IF 70-95	Part-No.: 511.0309

Cable plugs

5	ABI-CM 10-25	Part-No.: 511.0305
6	ABI-CM 35-50	Part-No.: 511.0315
7	ABI-CM 50-70	Part-No.: 511.0331
8	ABI-CM 70-95	Part-No.: 511.0342



Panel plugs

9	ABI-IM 10-25	Part-No.: 511.0306
10	ABI-IM 35-50	Part-No.: 511.0316
11	ABI-IM 50-70	Part-No.: 511.0332
12	ABI-IM 70-95	Part-No.: 511.0320

Cable sockets

13	ABI-CF 10-25	Part-No.: 511.0303
14	ABI-CF 35-50	Part-No.: 511.0313
15	ABI-CF 50-70	Part-No.: 511.0329
16	ABI-CF 70-95	Part-No.: 511.0340



CLEANING MACHINE
ABICLEANER

In many industrial production processes, tarnish is undesirable because the appearance matters – this is where the ABICLEANER can prove its skills. Especially when welding stainless steel, so-called tarnish colours are produced, which do not look very nice on railings, facades, switch cabinets etc. and ideally have to be removed again gently. The use of pickling pastes or other abrasives and grinding tools is highly toxic on the one hand and leaves unsightly marks on the sensitive stainless steel surface on the other. Anyone who has ever tried to clean an extractor hood in the kitchen, for example, with a felt sponge and scouring agent, will be familiar with these unsightly scratch marks on the surface.

With the ABICLEANER, even delicate surface structures such as waffle patterns are not changed and retain their original appearance.

In addition to the gentle cleaning of the surface, which is conducted with a hydrofluoric acid-free solution, the ABICLEANER also has the property of restoring corrosion resistance after mechanical, chemical and thermal treatments. Stainless steel forms a layer of chromium oxide for protection, as the chromium in the stainless steel combines with oxygen and hydrogen from the environment, making the metal resistant to corrosion. After cleaning the weld seam surface with the ABICLEANER, the precious metal is also directly protected against corrosion again; this is also referred to as having been "passivated".



- Gentle on the surface – facilitated by the carbon fibre brush made of over 1.5 million filaments
- Fast & effective – due to the electrochemical effect
- Safe – free of hydrofluoric acid
- Simple – only one fluid for cleaning and polishing (polishing possible with the ABICLEANER 1000 AC/DC)
- Powerful – professional units with 100 % duty cycle

All documents in one place: ABIDOC





ABICLEANER ▪ Accessories		
Pos.	Description	Part-No.
1	ABICLEANER 800 AC[1] cleaning set (230 V)	192.0362.1
1	ABICLEANER 800 AC[1] cleaning set (120 V)	192.0374.1
2	ABICLEANER 1000 AC/DC[1] cleaning set (230 V)	192.0364.1
2	ABICLEANER 1000 AC/DC[1] cleaning set (120 V)	192.0375.1
3	ABICLEANER handle with 10 mm² cable, 4 m	192.0365.1
4	PTFE sleeve	192.0368.1
5	ABIBRUSH carbon fibre brush	192.0367.5
6	Earth clamp with 10 mm² cable, 4 m	192.0366.1
7	Combination spanner SW 10	192.0372.10
8	ABICLEAN all-in-one electrolyte, 1 litre, (12 pcs.)	192.0369.1
9	Spray bottle for water, (12 pcs.)	192.0371.1
10	Wide-necked container with blue lid, (12 pcs.)	192.0370.1
11	Adaptor for ABICLEANER handle, 10 mm²	192.0379.1
12	Protective cap carbon fibre brush	192.0427.25
not fig.	ABICLEAN all-in-one electrolyte, 5 litres	192.0378.1
not fig.	Euro plastic box[2]	192.0373.1

[1] The ABICLEANER 800 AC or ABICLEANER 1000 AC/DC cleaning sets each also include the items: 3, 4, 5, 6, 7, 8, 9, 10 and the euro plastic box..
[2] Supplied in an acid-proof plastic box, which is also excellent for subsequent transport.



ABICLEANER Signature Set		
Pos.	Description	Part-No.
13	ABICLEANER Signature Set, complete (1 pc.)	192.0402.1
14	ABICLEANER Signature Fluid, 100 ml (1 pc.)	192.0403.1
15	ABICLEANER O-rings (10 pcs.)	192.0406.10
16	ABICLEANER Signature Pads (10 pcs.)	192.0407.10

COOLANT RECIRCULATORS
CR 1000 ▪ CR 1250

For a "cool" welding process ...

All documents in one place: ABIDOC

In high amperage applications with long welding cycles gas cooled torch systems can reach their limits. This can lead to malfunctions and unnecessary downtime.

The mobile cooling units CR 1000 and CR 1250 are the ideal complement system to equip a power source designed for gas cooled welding with a liquid cooled welding torch. For a permanently "cool" welding process. The devices are characterized by their high cooling performance in a compact design and easy handling.

With a few steps the integrated flow switch* for the permanent monitoring of the complete cooling system can be connected to the machine-side connection of the welding torch. Therefore, operation without coolant is not possible and the welding torch as well as the cooling unit are optimally protected.

- High cooling performance in a compact design is ideal for mobile use
- International quick connectors for easy, time-saving installation
- Integrated flow switch for the permanent monitoring of the complete cooling system for protection of the welding torch and the cooling unit – connection set included in delivery
- Exposed tank with coolant level indicator for convenient filling and draining of the coolant
- Overheat protection for pump and motor – for a long life
- Low-weight and sturdy carrying handles for easy transport to the job location
- Splash-proof fuse, main switch and louvers

*Operation is also possible without flow switch

Technical data

Technical data	CR 1000	CR 1250
Heat exchanger	2-row	3-row
Supply voltage	230 V AC/50 Hz	230 V AC/50 Hz
Pump 50 Hz	Flow rate Q_{max} 7 l/min	Flow rate Q_{max} 7 l/min
	Delivery height H_{max} 35 m	Delivery height H_{max} 35 m
Pump pressure	3.5 bar	3.5 bar
Cooling capacity	1000 W with H_2O	1250 W with H_2O
	750 W with BTC-15**	1050 W with BTC-15**
Noise level at 1 m distance	67 dB (A)	67 dB (A)
Weight	14.9 kg	16.7 kg
Dimensions L/W/H	490/250/410 mm	690/250/340 mm
Tank capacity	6.0 litres	6.0 litres
Water connection	ND 5 (quick connector)	ND 5 (quick connector)

**The coolant BTC and BTC NF of ABICOR BINZEL protects liquid cooled welding and cutting torches as well as cooling devices by their very low conductance of < 4 µS/cm against electrolytic corrosion and premature wear.

Coolant recirculators cpl.

CR 1000



1

CR 1250



2

Pos.	Description	Part-No.
1	Coolant recirculator CR 1000	850.1001.1
2	Coolant recirculator CR 1250	850.1051.1