TECHNOLOGY FOR THE WELDER'S WORLD.

Accessories



Product catalogue 3.0 / V1

ABICOR BINZEL®

www.binzel-abicor.com



To achieve the best results ...

... one of the things which will help you achieve the best results in the welding process is to use professional accessories. When ideally tailored to the task, they provide the basis for operational safety and long service life. High-quality welding accessories increase the output and reliability of your torch.

To achieve perfect results, don't leave anything to chance.

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Welding chemicals
Anti-spatter and coolant liquids

Anti-spatter sprays


1


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1 Super pistol spray
Protects against welding spatter in the gas nozzle area. Silicon free. Tried and tested classical product for extending the service life of gas nozzles and reducing spare part costs.

400 ml; PU=12; languages: DE/EN/FR/NL/SV/DA/FI/IT	Part-No.:	192.0071
400 ml; PU=12; languages: CS/SK/PL/HU/HR/SL/SR/EN	Part-No.:	192.0107
400 ml; PU=12; languages: RU/UK/KK/LT/LV/ET/BG/RO	Part-No.:	192.0213.1
400 ml; PU=12; languages: EN/ZH/ES/EL/PT/NO/TR	Part-No.:	192.0214.1

2 Super pistol spray (not flammable)
Atomising spray for protection against welding spatter in the gas nozzle area and on the workpiece. Non-combustible, not subject to classification, silicon free. Provides an alternative for use as spatter protection for torch and workpiece – wherever using combustible sprays is not possible.

300 ml; PU=12; languages: PL/RO/RU/SR/SK/SL/UK/BG/CS/DE/ET/EN/HR/HU/LT/LV	Part-No.:	192.D040
300 ml; PU=12; languages: LV/LT/ET/RU/UK/SL/RU/HR	Part-No.:	192.D047.1

3 Ceramic protective spray
Long-lasting protection for the gas nozzle area, workpiece holder and workpiece. Silicon free. Extremely heat-resistant and abrasion-resistant.

400 ml; PU=12; languages: DE/EN/ES/FR/IT/SV/NL/PT	Part-No.:	192.0196.1

4 Antispatter spray S-360°
Separating agent on a water-soluble basis for spraying on welding fixtures, parts to be welded and the gas nozzle area. Biologically degradable, silicon free. Spraying is possible from all positions of the can (which can be turned by 360°); the spray pressure remains constant until the can is completely empty. Spatter adhesion is reduced considerably and equipment and treated surfaces are also protected against corrosion.

400 ml; PU=12; languages: DE/EN/FR/ES/PT/IT/NL/SV	Part-No.:	192.0212.1

Anti-spatter pastes


5

5 Düsofix
Pasty welding spatter protection spray for gas nozzles. Biologically degradable, not subject to classification, silicon free. The metal can enables the still hot gas nozzle to be immersed safely into the Düsofix – even directly after the welding process. Spatter adhesion is reduced considerably by the protective film.

300 g; PU=20; languages: DE/EN/FR	Part-No.:	192.0058
300 g; PU=20; languages: CS/SK/PL/RO/BG	Part-No.:	192.D032
300 g; PU=20; languages: RU/HU/LT/LV/ET	Part-No.:	192.D033
300 g; PU=20; languages: ES/IT/PT/EL/TR	Part-No.:	192.0224.1


6

5 ABIGEL
Gel-like welding spatter protection for the gas nozzle area for fine and even application. Biologically degradable, not subject to classification, silicon free. ABIGEL anti-spatter paste is characterised in particular by its long-lasting protective film and the high degree of purity of the active ingredient combination.

400 g; PU=12; languages: DE/EN/FR	Part-No.:	192.0211.1
400 g; PU=12; languages: ES/IT/PT/EL/TR	Part-No.:	192.0223.1

Welding chemicals
Anti-spatter and coolant liquids

Anti-spatter liquids



7

7 Anti-spatter fluid
Protection against welding spatter adhesions in the adjacent welding area. Very economical and ecologically degradable, it reduces reworking costs considerably.

1 litre	Part-No.:	192.0056
5 litre	Part-No.:	192.0052
20 litre	Part-No.:	192.0048
Outlet tap for 20 litre canisters (not shown)	Part-No.:	192.0191.5
200 litre (not shown)	Part-No.:	192.0046
Spigot for 200 litre barrel (not shown)	Part-No.:	192.0109

8 Eco-anti-spatter fluid
Organic spatter protection on a plant basis provides perfect protection for the adjacent welding area and reduces reworking costs. Because of the surface neutral coating, the workpieces can be processed without any problems (painting, coating, etc.)

1 litre	Part-No.:192.0161
5 litre	Part-No.:192.0162
10 litre	Part-No.:192.0159
200 litre (not shown)	Part-No.:192.0166
Spigot for 200 litre barrel (not shown)	Part-No.:192.0109



8

9 Hand spray pump
Fine sprayer for applying Eco-anti-spatter fluid

PU=1	Part-No.:192.0164



9

10 Hand spray pump with 400 ml can (contents not included)
Sturdy metal can with fine sprayer for applying Eco-anti-spatter fluid

PU=12	Part-No.:192.0163



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Welding chemicals
Anti-spatter and coolant liquids

Coolant



11

11 Coolant BTC-15

Coolant for all liquid-cooled welding and cutting systems. Frost-proof to – 12 °C. The very low conductance of 4µS considerably reduces the electrical corrosion of all metal parts of the cooling system.

5 litre	Part-No.:	192.0110
20 litre	Part-No.:	192.0111
Outlet tap for 20 litre canisters (not shown)	Part-No.:	192.0191.5
200 litre (not shown)	Part-No.:	192.0112
Spigot for 200 litre barrel (not shown)	Part-No.:	192.0109



12

12 Coolant BTC-50

Incombustible coolant for all liquid-cooled welding and cutting systems. Frost-proof to –45 °C. The very low conductance of 4µS considerably reduces the electrical corrosion of all metal parts of the cooling system. Because the product is not covered by a dangerous goods class, there are no conditions governing transport and storage.

5 litre	Part-No.:	192.0175.1
20 litre	Part-No.:	192.0176.1
Outlet tap for 20 litre canisters (not shown)	Part-No.:	192.0191.5
200 litre (not shown)	Part-No.:	192.0177.1
Spigot for 200 litre barrel (not shown)	Part-No.:	192.0109

Accessories

13 Spigot

To fit all 200 litre barrels referred to in this brochure

PU=1	Part-No.:	192.0109

14 Outlet tap

To fit all 20 litre canisters referred to in this brochure

PU=5	Part-No.:	192.0191.5



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Notes

Welding accessories
Utilities and tools

Special pliers and wire cleaning sets


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1 Special pliers (FIX)
No. 1
for gas nozzles NS 12-15 mm Part-No. 193.0013
No. 2
for gas nozzles NS 15-18 mm Part-No. 193.0014

2 Wire cleaning set
red for steel (set) Part-No. 193.0001
red for steel (25 pcs.) Part-No. 193.0003

3 Wire cleaning set
white for Al (set) Part-No. 193.0002
white for Al (25 pcs.) Part-No. 193.0004



4

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

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


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5 TIG handy-support (FIX)
without magnet base Part-No. 193.0019

6 MIG handy-support (FIX)
without magnet base Part-No. 193.0018

Magnet base (not ill.) Part-No. 193.0023

7 Sharpener
for plastic liners Part-No. 191.0064

8 Hose cutter Part-No. 191.0062.1

9 Gas flow meter Part-No. 191.0003

Accessories case


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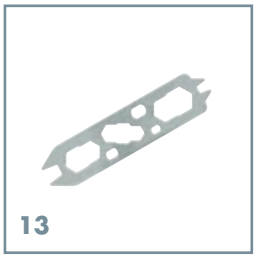
10 Accessories case
small Part-No. 192.0066
big Part-No. 192.0069

Welding accessories
Utilities and tools

Special wrenches

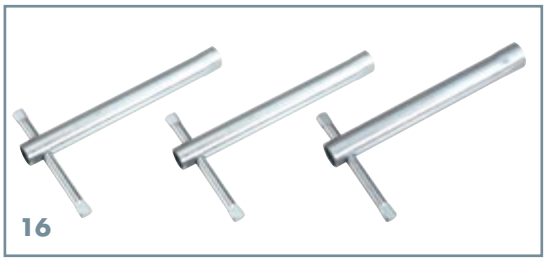

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11 Wrench
Standard — Part-No. 191.0001

12 Multiple wrench — Part-No. 191.0015
(10 pcs.)

13 Wrench — Part-No. 191.D045
for ABIMIG®

14 Universal wrench — Part-No. 750.0125

15 Electrode wrench — Part-No. 743.0064

16 Socket wrench (L=120 mm)
SW 6 — Part-No. 191.0103
SW 8 — Part-No. 191.0102
SW 10 — Part-No. 191.0104

Welding accessories
Utilities and tools

Adhesives

22 DELO®-CA 2902 Special glue
For rubber and plastic. Very low viscosity, excellent capillary action and good fitting accuracy.
Part-No. 191.0004

23 DELO®-CA 2153 Special glue
For rubber and plastic. Highly viscous, all-purpose and gap bridging up to 0.2 mm.
Part-No. 191.0034





24 LOCTITE® 270™-SG
For the permanent saving and sealing of threaded connections.
Part-No.191.0028

25 LOCTITE® 243™
For the permanent saving and sealing of threaded connections, that have to be disassembled with normal tools.
Part-No.191.0032

26 LOCTITE® 586™
For the sealing of threaded connections against water, oil and most organic dissolvers.
Part-No.191.0033

Belt clip





27 ABI-CLIP
Belt clip for easy routing and strain relief of air cooled BIKOX® cables (Ø 14–25 mm).
Part-No. 191.0141.1

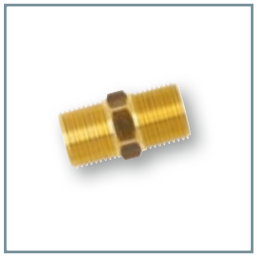
Welding accessories
Adapter pieces, double nipple and quick couplings

Adapter pieces



Description	Part-No.
Adapter piece M12x1 – G3/8″	710.0003
Adapter piece M12x1 – G1/4″	710.0004
Adapter piece M10x1 – G1/8″	710.0005
Adapter piece G1/8″ – G1/4″	710.0006
Adapter piece G1/8″ – G3/8″	710.0007
Adapter piece G1/8″ – G3/8″ 24 G	710.0008
Adapter piece M12x1 – G1/8″	710.0009
Adapter piece G3/8″ – G1/4″	710.0025
Adapter piece M12x1 – M10x1	710.0027
Adapter piece M10x1 – M12x1	710.0028
Adapter piece G1/8″ – M12x1	710.0034
Adapter piece M14x1 AG – 1/4IG	710.0035
Adapter piece M12x1 AG – 7/8″-14G LH A	710.0037

Double nipple



Description	Part-No.
Double nipple G1/8″ AG / M12x1 AG SW 12 (MS)	710.0015
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

Quick couplings

























Welding accessories

Adapter pieces, double nipple and quick couplings

Quick couplings


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Welding accessories

Adapter pieces, double nipple and quick couplings

Pos.	Description	Part-No.
1	Quick coupling DN 2.7 G1/8" AG	177.0001
2	Quick coupling DN 5 G1/8" IG	177.0002
3	Quick coupling DN 5 G1/8" AG	177.0003
4	Quick coupling DN 5; nozzle Ø = 4 mm	177.0007
5	Quick coupling DN 6; nozzle Ø = 6 mm	177.0008
6	Quick coupling DN 2.7; nozzle Ø = 4 mm	177.0009
7	Quick coupling DN 7.2; nozzle Ø = 6 mm	177.0010
8	Quick coupling DN 5; nozzle Ø = 6 mm; self-locking	177.0011
9	Quick coupling G3/8" AG	177.0012
10	Quick coupling DN 5 G1/8" AG; red	177.0013
11	Quick coupling DN 5 G1/8" AG; blue	177.0014
12	Quick coupling DN 5; nozzle Ø = 8 mm	177.0015
13	Quick coupling DN 5 G1/4" IG	501.0158
14	Quick coupling DN 5 G3/8" IG with lug	501.0163
15	Quick coupling DN 5 M12x1 IG	501.0176
16	Quick coupling DN 5 5/8" – 18G UNF-LH AG	501.0188
17	Quick coupling DN 5 G3/8" IG	501.0189
18	Quick coupling DN 5; nozzle Ø = 8 mm	501.0190
19	Quick coupling DN 5 1/2" IG	501.0191
20	Quick coupling DN 5 M12x1,5 IG	501.0194
21	Quick coupling DN 5; nozzle Ø = 10 mm	501.0195
22	Quick coupling DN 5 7/8" – 14G UNF IG	501.0196
23	Quick coupling DN 5 M14x1 IG	501.0197
24	Quick coupling DN 5; nozzle Ø = 6.5 mm	501.0204
25	Quick coupling DN 2.7; nozzle Ø = 6.5 mm	501.0230
26	Quick coupling DN 5; nozzle Ø = 6 mm	501.0270
27	Quick coupling DN 5 5/8" – 18G UNF IG	501.1795
28	Plug-in nipple DN 5; Ø = 6 mm; self-locking	501.2318
29	Quick coupling DN 5; nozzle Ø = 6.5 mm; red	501.2403
30	Quick coupling DN 5; nozzle Ø = 6.5 mm; blue	501.2404
31	Quick coupling DN 5; nozzle Ø = 6 mm	560.0017
32	Quick coupling DN 7.2 cpl.; Masterliner	783.5207.1
33	Assembly kit WK43; for 2 connectors	850.0235
34	Quick coupling DN 5 1/4" AG	850.0263

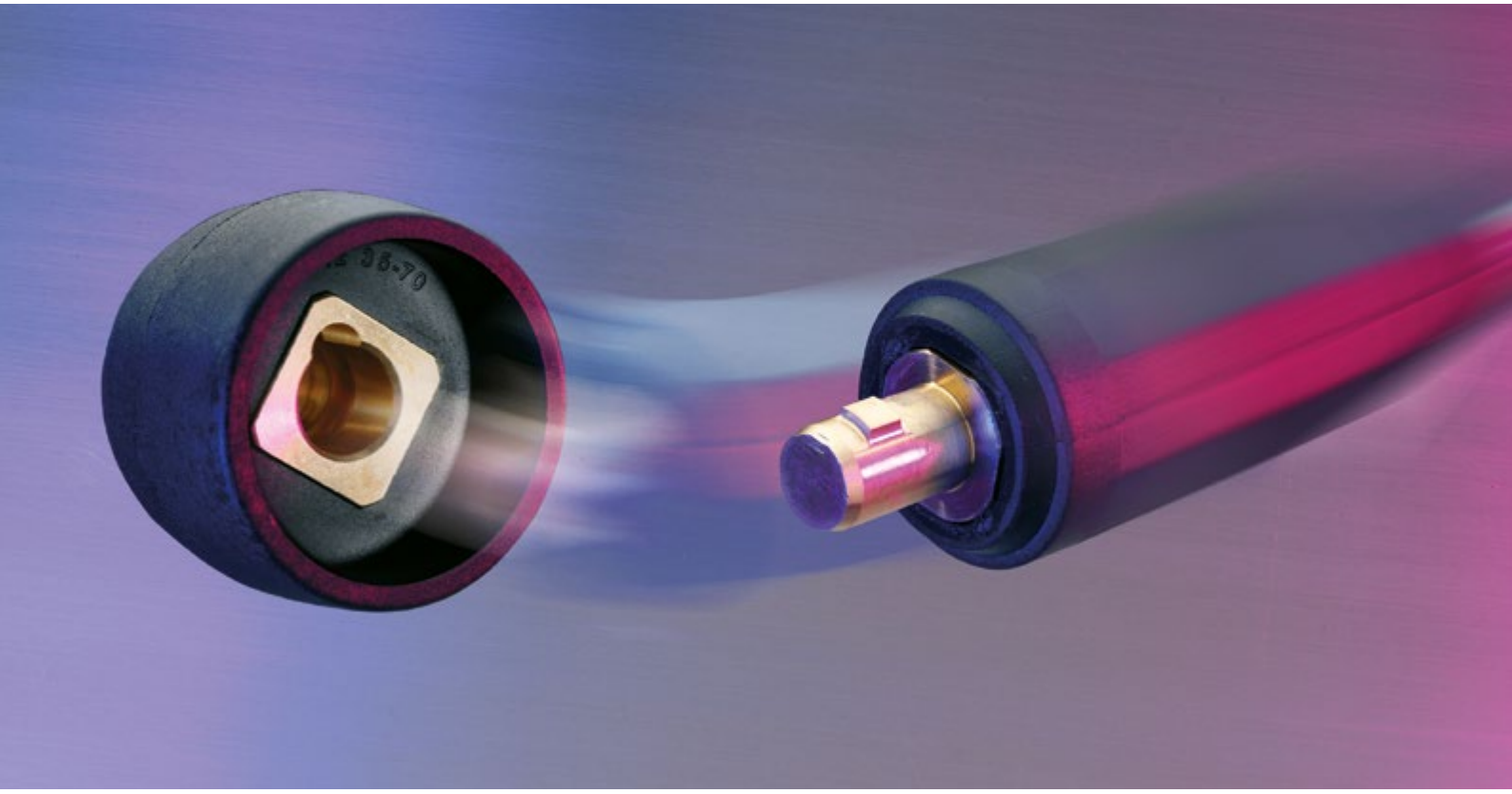
Welding cable connector system
ABIPLUG

Plug and 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	up to 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** or **ABI-CF / ABI-IM**

ABI-CM (**C**able **M**ale) = Welding cable plug
ABI-CF (**C**able **F**emale) = Welding cable socket
ABI-IM (**I**nsert **M**ale) = Panel mounted plug
ABI-IF (**I**nsert **F**emale) = Panel mounted socket

Welding cable and connector system
ABIPLUG



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



Electrode holders
DE 2200 / DE 2300 / DE 2400 / DE 2500

The tough classics ...

The electrode holders are used for manual electrode welding. Manual electrode welding is one of the oldest and most miscellaneous arc welding operations that are still applied today. It stands out due to relatively low investment needs as well as its universal application possibilities. KURT HAUFE electrode holders "DE" are millionfold proven for decades and due to its extremely tough construction they are the optimum tool for the "outdoor professional" – amongst others in shipyards, pipeline construction and bridge building.

Besides the traditional version for connection via cable shoe the new "K"-series offers the possibility of direct crimp connection with the bare welding cable.

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

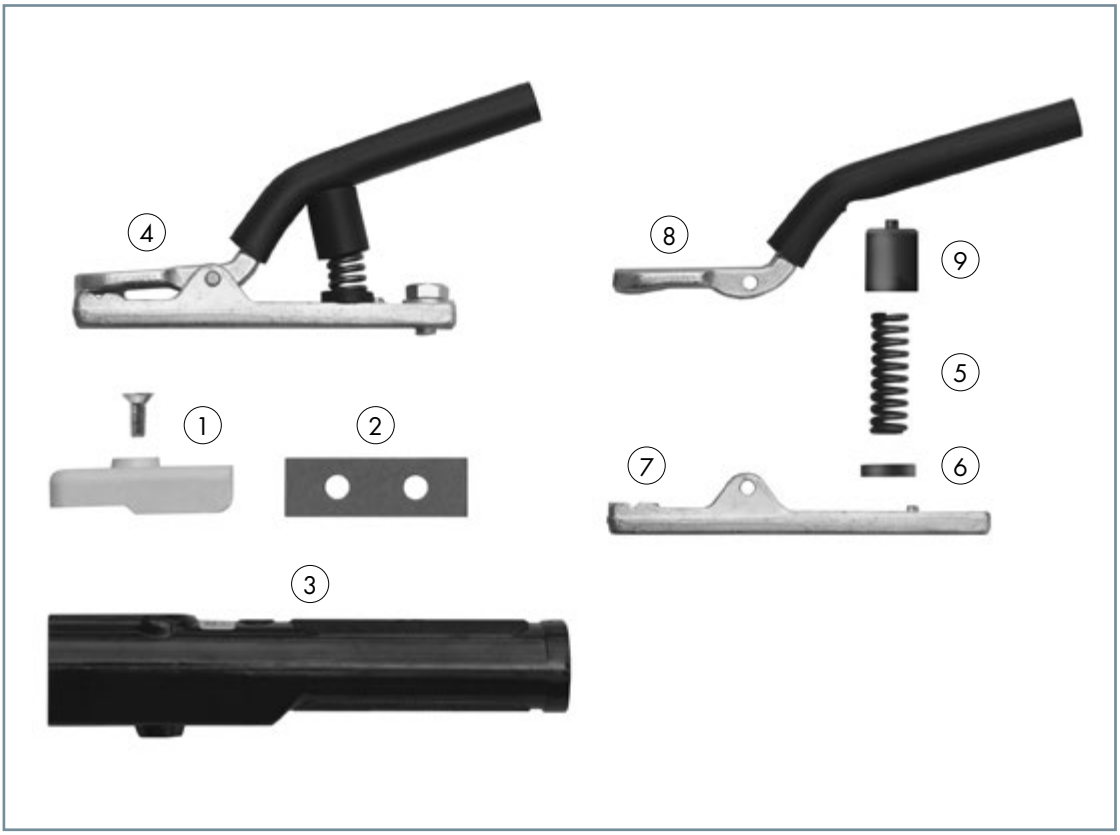


Technical data

Type	Rating		Electrodes-Ø	Welding cable	Connection bolt[2]
	at 60 % duty cycle	at 35 % duty cycle			
DE 2200 / K[1]	200 A	250 A	2.0–4.0 mm	25 / 35 mm²	M8
DE 2300 / K[1]	300 A	400 A	2.0–6.3 mm	35 / 70 mm²	M8
DE 2400 / K[1]	200 A	500 A	4.0–8.0 mm	50 / 95 mm²	M10
DE 2500 / K[1]	200 A	600 A	4.0–10.0 mm	70 / 120 mm²	M10

[1] K=Clamp-connection via ferrule
[2] for cable shoe

Electrode holders
DE 2200 / DE 2300 / DE 2400 / DE 2500



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
Electrode holder DE 2200 K	512.D470
Electrode holder DE 2300 K	512.D471
Electrode holder DE 2400 K	512.D472
Electrode holder DE 2500 K	512.D480

Wear parts

Pos.	Description	Part-No.			
		DE 2200 / K	DE 2300 / K	DE 2400 / K	DE 2500 / K
1	Insulating flange (2 pcs.)	512.D021	512.D031	512.D041	512.D091
2	Insulating plate	–	512.D032	512.D032	512.D032
3	Handle	512.D483.1	512.D486.1	512.D145	512.D145
4	Front part	512.D268	512.D384	512.D272	512.D274
not ill.	Front part "K"	512.D473	512.D474	512.D475	512.D481
5	Pressure spring	512.D025	512.D035	512.D035	512.D035
6	Cap (5 pcs.)	512.D026	512.D036	512.D036	512.D036
7	Bottom part	512.D276	512.D278	512.D280	512.D282
not ill.	Bottom part "K"	512.D416	512.D418	512.D422	512.D424
8	Lever	512.D028	512.D201	512.D048	512.D098
9	Insulating cap	512.D029	512.D039	512.D039	512.D039
not ill.	Ferrule "K"	511.0048	511.0065	511.0104	511.0104

Gouging torch
K10 / K12 / K12 T / K16 / K16 T / K20

Reliable and safe ...

The original KURT HAUFE gouging torch is used for gouging, joint preparation, removing of pores and cracks, chamfering, cutting, surface treatment and hole piercing at all metals. They stand out due to its reliability and safety.

Special features:

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

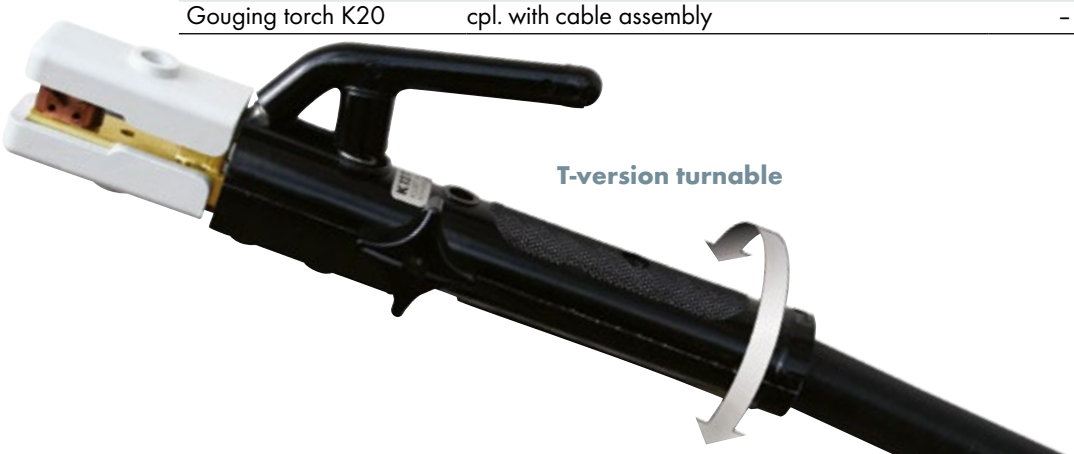


Technical data

Type	Rating	Duty cycle	Round electrode-Ø	Flat electrode width (mm)	Flat electrode thickness (mm)	Compr. air max.	Compr. air connection
K10	500 A	60%	4–10 mm	15 / 20	4	10 bar	3/8"-18 NPT
K12 / T	600 A	60%	4–12 mm	15 / 20	4–5	10 bar	3/8"-18 NPT
K16 / T	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

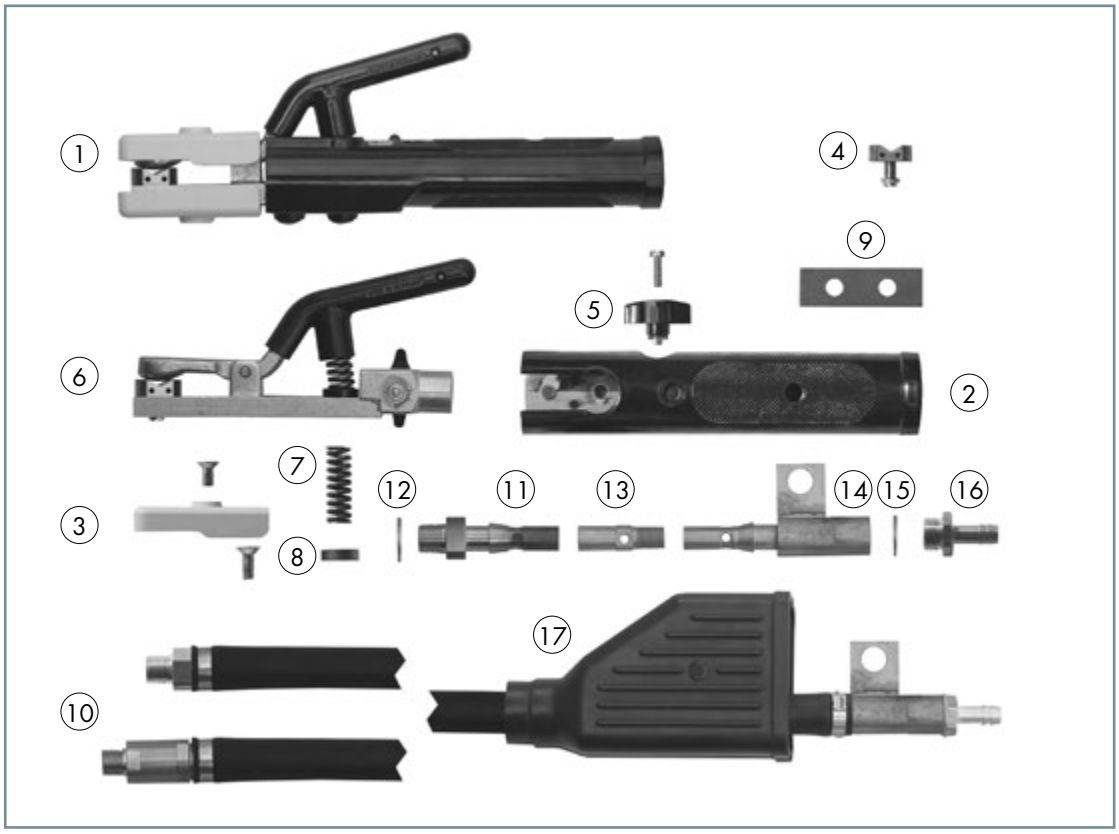
Gouging torch cpl.

Type		Part-No. 2.1 m	Part-No. 3.0 m
Gouging torch K10	cpl. with cable assembly	516.D124	516.D001
Gouging torch K12	cpl. with cable assembly	516.D125	516.D002
Gouging torch K12 T	cpl. with cable assembly	516.D154	516.D142
Gouging torch K16	cpl. with cable assembly	516.D126	516.D003
Gouging torch K16 T	cpl. with cable assembly	516.D155	516.D150
Gouging torch K20	cpl. with cable assembly	–	516.D167.1



T-version turnable

Gouging torch
K10 / K12 / K12 T / K16 / K16 T / K20



Wear parts

Pos.	Description	Part-No.					
		K10	K12	K12 T	K16	K16 T	K20
1	Gouging torch w/o tube cable	516.D028	516.D028	516.D028	516.D040	516.D040	516.D195.1
2	Handle	516.D011	516.D011	516.D011	516.D011	516.D011	516.D011
3	Insulating flange (2 pcs.)	512.D091	512.D091	512.D091	516.D042	516.D042	516.D196.2
4	Nozzle for round electrodes (5 pcs.)	516.D026	516.D026	516.D026	516.D044	516.D044	516.D044
5	Cross handle	516.D012	516.D012	516.D012	516.D012	516.D012	516.D012
6	Front part cpl.	516.D027	516.D027	516.D027	516.D041	516.D041	516.D168.1
7	Pressure spring	516.D013	516.D013	516.D013	516.D013	516.D013	516.D013
8	Cap (5 pcs.)	512.D036	512.D036	512.D036	512.D036	512.D036	512.D036
9	Insulating plate	512.D032	512.D032	512.D032[1]	512.D032	512.D032[1]	512.D032
10	Tube cable cpl. for 2.1 m	516.D127	516.D129	516.D156	516.D130	516.D157	–
	Tube cable cpl. for 3.0 m	516.D050	516.D018	516.D143	516.D048	516.D151	516.D197.1
11	Connection piece	516.D051	516.D022	–	516.D043	–	516.D043
12	Space ring (10 pcs.)	516.D053	516.D053	516.D053	516.D053	516.D053	516.D053
13	Inside connection	–	516.D160	516.D160	516.D161	516.D161	516.D161
14	Connection piece	516.D135	516.D158	516.D158	516.D158	516.D158	516.D158
15	Space ring (10 pcs.)	001.D170	001.D170	001.D170	001.D170	001.D170	001.D170
16	Threaded nozzle	001.D171	001.D172	001.D172	001.D172	001.D172	001.D172
17	Insulating joint	516.D134	516.D134	516.D134	516.D134	516.D134	516.D134
not ill.	Special hose for 2.1 m	516.D128	516.D131	–	516.D131	–	–
	Special hose for 3.0 m	516.D055	516.D021	–	516.D021	–	516.D021
not ill.	Flat nozzle 15/20 (5 pcs.)	516.D023	516.D023	516.D023	516.D023	516.D023	516.D023
not ill.	Flat nozzle 15/20 15 (5 pcs.)	516.D024	516.D024	516.D024	516.D024	516.D024	516.D024
not ill.	Flat nozzle 15/20 20 (5 pcs.)	516.D025	516.D025	516.D025	516.D025	516.D025	516.D025
not ill.	Flat nozzle 15/20 25 (5 pcs.)	–	–	–	516.D045	516.D045	516.D045

[1] K12 T and K16 T require 2 insulating plates (512.D032) each.

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

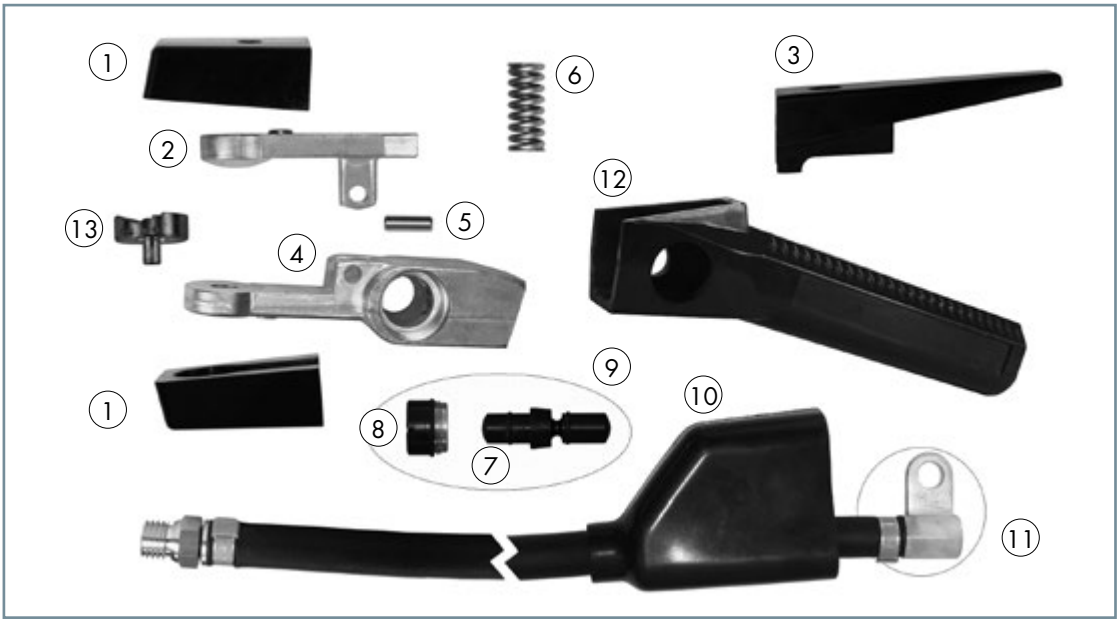


Gouging torch TEAM BINZEL®
G 3000 / G 4000

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



Wear parts

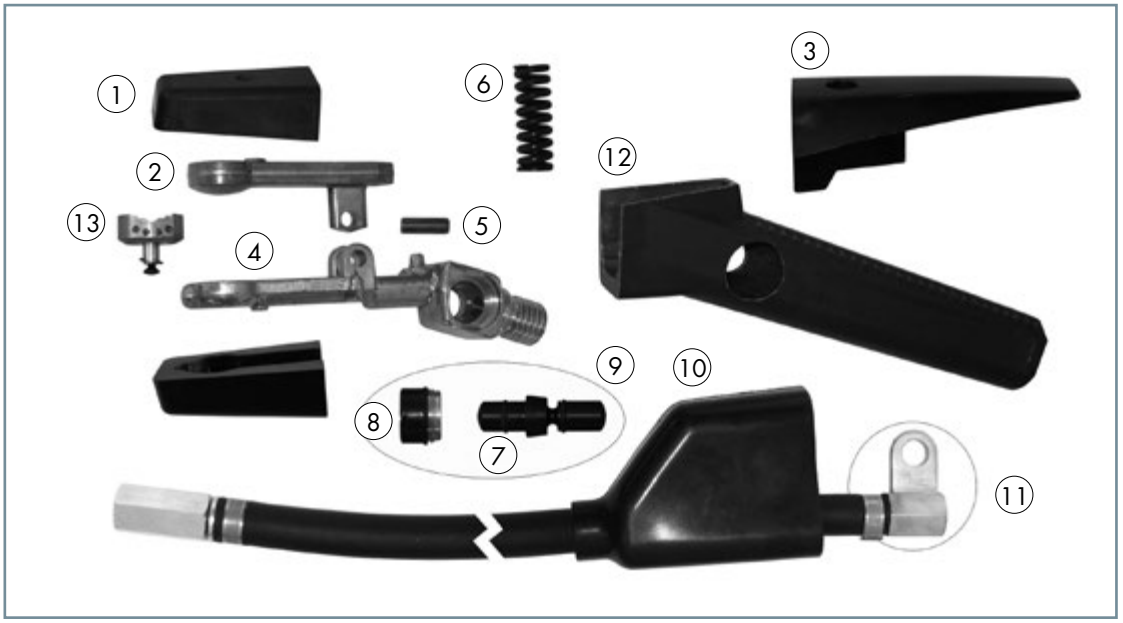
Pos.	Description	Part-No.
1	Insulator set (2 pcs.)	516.0006
2	Lever top part	516.0007
3	Lever	516.0008
4	Torch body	516.0009
5	Bolt	516.0010
6	Pressure spring	516.0011
7	Slider	516.0012
7	Slider with O-ring	516.0013
7	O-ring (2 pcs.)	516.0014
8	Fastening nut	516.0015
9	Valve cpl.	516.0016
10	Insulating part	516.0017
11	Connector	516.0018
12	Handle	516.0019
13	Flat nozzle	516.0020

Gouging torch TEAM BINZEL®
G 3000 / G 4000

Gouging torch TEAM BINZEL® G 4000



Type	Part-No.
Gouging torch TEAM BINZEL® G 4000 (torch only)	516.0022
Gouging torch TEAM BINZEL® G 4000 cpl. with cable assembly (length = 2.1 m)	516.0023
Gouging torch TEAM BINZEL® G 4000 cpl. with cable assembly (length = 3.0 m)	516.0024
Cable assembly, length = 2.1 m	516.0025
Cable assembly, length = 3.0 m	516.0026



Wear parts

Pos.	Description	Part-No.
1	Insulator set (2 pcs.)	516.0027
2	Lever top part	516.0028
3	Lever	516.0029
4	Torch body	516.0030
5	Bolt	516.0031
6	Pressure spring	516.0032
7	Slider	516.0012
7	Slider with O-ring	516.0013
7	O-ring (2 pcs.)	516.0014
8	Fastening nut	516.0015
9	Valve cpl.	516.0016
10	Insulating part	516.0017
11	Connector	516.0018
12	Handle	516.0033
13	Flat nozzle	516.0034

Gouging electrodes TEAM BINZEL®
ABIARC

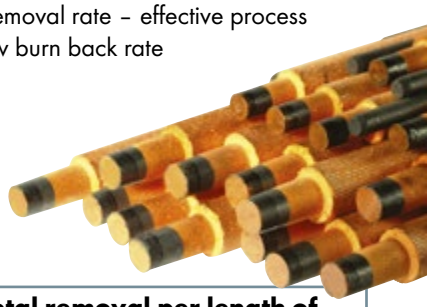
Pure efficiency ...

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.

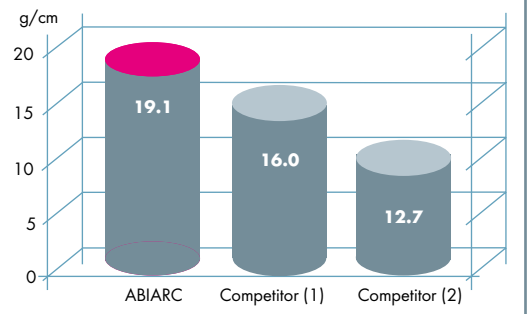


Special features:

- 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



Weight of metal removal per length of electrode consumed.



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.
4 x 305 mm	(5/32" x 12")	250	50	515.0021
5 x 305 mm	(3/16" x 12")	300	50	515.0022
6.5 x 305 mm	(1/4" x 12")	350	50	515.0023
13 x 355 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

Coolant recirculators
CR 1000 / CR 1250

For a "cool" welding process ...

In high amperage applications with long welding cycles air-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 air-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[1)] 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

[1] Operation is also possible without flow switch.

CR 1000



CR 1250



Technical data

Technical data	CR 1000	CR 1250
Heat exchanger	2-row	3-row
Supply voltage	115/230 VAC / 50/60 Hz	115/230 VAC / 50/60 Hz
Pump 50/60 Hz	Flow rate Q_{max} 7 l/min Delivery height H_{max} 35 m	Flow rate Q_{max} 7 l/min Delivery height H_{max} 35 m
Pump pressure	3.5 bar	3.5 bar
Cooling capacity	1000 W with H_2O 750 W with BTC-15[2)]	1250 W with H_2O 1050 W with BTC-15[2)]
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	NW 5 (quick connector)	NW 5 (quick connector)

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

Coolant recirculators
CR 1000 / CR 1250

Coolant recirculators cpl.

Description	Part.-No.
Coolant recirculator CR 1000 230 V	850.1001.1
Coolant recirculator CR 1000 115 V	850.1002.1
Coolant recirculator CR 1250 230 V	850.1051.1
Coolant recirculator CR 1250 115 V	850.1052.1

Spare parts

Description	for	Part.-No.
Housing	CR 1000	850.1003.1
Cooler double-row	CR 1000	850.1004.1
Bottom part	CR 1000	850.1005.1
Power cable	CR 1000/1250	850.1006.1
Power switch	CR 1000	850.1007.1
Water tank	CR 1000/1250	850.1008.1
Handle	CR 1000	850.1009.1
Quick coupling (male)	CR 1000/1250	850.1010.2
Quick coupling (female red)	CR 1000/1250	850.1011.1
Quick coupling (female blue)	CR 1000/1250	850.1012.1
Top tank cover	CR 1000/1250	850.1013.1
Bottom tank cover with washer	CR 1000/1250	850.1014.1
Motor holder	CR 1000	850.1015.1
Motor 230 V cpl. with fan	CR 1000/1250	850.1016.1
Motor 115 V cpl. with fan	CR 1000/1250	850.1017.1
Fuse with fuse holder	CR 1000/1250	850.1018.1
Rubber foot	CR 1000/1250	850.1019.4
Fan vane cpl.	CR 1000/1250	850.1020.1
Screw set for housing	CR 1000	850.1021.20
Hose set 2 m with 10 clamps	CR 1000/1250	850.1022.1
Connection nipple G1/4	CR 1000/1250	850.1023.2
Fine-wire fuse 3 A	CR 1000/1250 230V	850.1024.10
Fine-wire fuse 5 A	CR 1000/1250 115V	850.1025.10
Control lead cpl.	Flow control CR 1000/1250	850.1026.1
Y-Distributor cpl.	CR 1000/1250	850.1027.2
Housing	CR 1250	850.1053.1
Cooler three-row	CR 1250	850.1054.1
Bottom part	CR 1250	850.1055.1
Power switch	CR 1250	850.1056.1
Handle cpl.	CR 1250	850.1057.1
Motor holder	CR 1250	850.1058.1
Flow control	CR 1000/1250	850.1059.1
Control socket 2-pole	CR 1000/1250	850.1060.1
Control plug 2-pole	CR 1000/1250	850.1061.1
Screw set for housing	CR 1250	850.1067.20
Sealing kit for pump	CR 1000/1250	850.1072.1

Notes

Notes

M&W

Our product range:

- **MIG/MAG**
  - Welding torches
  - Machine and special torches
  - Push-Pull welding torches
  - Fume extraction torches
  - Central adaptor system
- **TIG**
  - Welding torches
  - Machine and special torches
- **PLASMA**
  - Cutting torches
  - Welding torches
  - Machine and special torches
- **ROBOTIC SYSTEMS**
  - Robot torches MIG/TIG/Plasma
  - Electronic welding regulator
  - Laser heads
  - Seam tracking sensors
  - Robot mounts
  - Wire cutting station DAV
  - Torch cleaning station
  - Wire feeding systems
- **Welding accessories**
  - Fume extraction systems
  - Coolers
  - Welding cable plug and socket
  - Anti-spatter spray and paste
  - and so on ...



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LAS- EN GASTECHNIEK®
THE ART OF WELDING