

Accessories



Product Catalogue 2.0 / V1



To achieve the best results ...

... one of the things which will help you to 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 Accessories

Utilities & Tools

Special pliers and wire cleaning sets



- 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)
red for steel (25 pcs.)



- 3 Wire cleaning set white** for Al (set)
white for Al (25 pcs.)
- Part-No.: 193.0001
 Part-No.: 193.0003
 Part-No.: 193.0002
 Part-No.: 193.0004



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

Handy-Supports, Sharpener, Hose cutters and Gas flow meters



- 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 (w./o. fig.) Part-No.: 193.0023



- 7 Sharpener**
 for plastic liners Part-No.: 191.0064

- 8 Hose cutter** Part-No.: 191.0062

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



Accessories case



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

Welding Accessories

Utilities & Tools

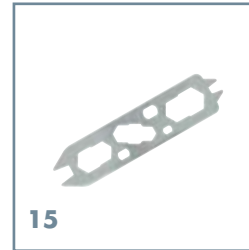
Special spanners



13



14



15



16



17



18

13 Spanner

Standard

Part-No.: 191.0001

14 Multiple spanner

(10 pcs.)

Part-No.: 191.0015

15 Spanner

for ABIMIG®

Part-No.: 191.D045

16 Universal spanner

Part-No.: 750.0125

17 Electrode spanner

Part-No.: 743.0064

18 Socket wrench (L=120 mm)

SW 6

Part-No.: 191.0103

SW 8

Part-No.: 191.0102

SW 10

Part-No.: 191.0104

Contact tip holder cutter and Adjusting tool

19 Contact tip holder cutter

M10x1

Part-No.: 191.0085

M12x1

Part-No.: 191.0124.1

M14x1

Part-No.: 191.0123.1

20 Adjusting tool

Part-No.: 191.0090



19



20

Protection covers and Cable assembly holders



21

22



23

21 Protective housing

ABIROB® A

Part-No.: 191.0161

WH (w./o. fig.)

Part-No.: 191.0105

WH-PP (w./o. fig.)

Part-No.: 191.0106

CAT2 (w./o. fig.)

Part-No.: 780.0261

22 Protective tube

2 m length

Part-No.: 191.0079

23 Cable assembly holder

Part-No.: 191.0039

Welding Accessories

Utilities & Tools

Adhesives



2 component glue

UHU plus endfest 300 is a solvent-free 2 component glue on the basis of epoxide resin which allows high-tensile adhesive bindings on various materials.

Part-No.: 191.0005



DELO-CA 2902 Special glue for rubber and plastic.

Very low viscosity, excellent capillary action and good fitting accuracy.

Part-No.: 191.0004



DELO-CA 2153 Special glue for rubber and plastic.

Highly viscous, universal applicable and gap bridging up to 0.2 mm.

Part-No.: 191.0034



LOCTITE® 270™-SG

LOCTITE® 270™-SG is used for the permanent saving and sealing of threaded connections.

Part-No.: 191.0028



LOCTITE® 243™

LOCTITE® 243™ is used for the permanent saving and sealing of threaded connections, that have to be disassembled with usual instruments.

Part-No.: 191.0032



LOCTITE® 586™

LOCTITE® 586™ is used for the sealing of threaded connections against water, oil and most organic dissolvers.

Part-No.: 191.0033

Welding Accessories

Seperating & Coolant liquids

Anti spatter liquids

1 Anti spatter spray

Prevents welding spatter sticking in the close-by welding area. Bio-degradable, highly efficient and surface neutral.

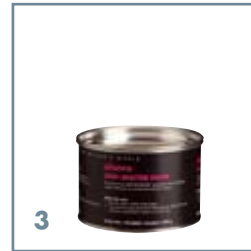
Content: 400 ml 12 pcs. Part-No.: 192.0127



2 Super pistole spray

Prevents welding spatter sticking in the gas nozzle area and extends the action time of the gas nozzle. Reducing the costs for spare parts thanks to longer service life of the gas nozzle.

Content: 400 ml 12 pcs. Part-No.: 192.0071



3 Duesofix

Anti spatter paste for reduction of spatter adhesion in the gas nozzle area.

Content: 300 ml 20 pcs. Part-No.: 192.0058

4 Super pistole spray (not inflammable)

Non inflammable, silicon-free spray for protection from spatter adhesion.

Content: 300 ml 12 pcs. Part-No.: 192.D040



5 Anti spatter fluid

Protects for spatter adhesion in the close-by welding area. Highly efficient and bio-degradable it reduces the reworking costs.

1 litre

Part-No.: 192.0056

5 litres

Part-No.: 192.0052

20 litres

Part-No.: 192.0048

200 litres (w./o. fig.)

Part-No.: 192.0046



6 Spigot

for 200 litre barrel

Part-No.: 192.0109

Welding Accessories

Seperating & Coolant liquids

Anti spatter liquids

7 Eco-Anti spatter fluid

The ecological anti spatter fluid on herbal basis provides perfect protection of the close-by welding area and reduces the reworking costs. Thanks to its surface neutral characteristics the workpieces can be processed without any problems (varnish, coat etc.)

1 litre	Part-No.: 192.0161
5 litres	Part-No.: 192.0162
10 litres	Part-No.: 192.0159
200 litres (w./o. fig.)	Part-No.: 192.0166
Spigot for 200 litre barrel (w./o. fig.)	Part-No.: 192.0109



9 Spray nozzle

Part-No.: 192.0164

10 Aerosol with 400 ml can – without content (12 pcs.)

Part-No.: 192.0163



Coolant liquid

11 Special coolant BTC-15

The special coolant from BINZEL protect down to -10° C for all liquid cooled welding and cutting facilities.

5 litres	Part-No.: 192.0110
20 litres	Part-No.: 192.0111
200 litres (w./o. fig.)	Part-No.: 192.0112
Spigot for 200 litre barrel (w./o. fig.)	Part-No.: 192.0109



Welding Accessories

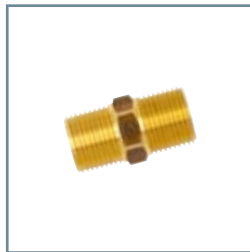
Adapter pieces, Double nipple & Quick disconnectors

Adapter pieces, Double nipple & Quick disconnectors



Adapter pieces

Adapter piece M12x1 - G3/8"	Part-No.: 710.0003
Adapter piece M12x1 - G1/4"	Part-No.: 710.0004
Adapter piece M10x1 - G1/8"	Part-No.: 710.0005
Adapter piece G1/8" - G1/4"	Part-No.: 710.0006
Adapter piece G1/8" - G3/8"	Part-No.: 710.0007
Adapter piece G1/8" - G3/8" 24 G	Part-No.: 710.0008
Adapter piece M12x1 - G1/8"	Part-No.: 710.0009
Adapter piece G3/8" - G5/8" 18 G	Part-No.: 710.0011
Adapter piece G3/8" - G1/4"	Part-No.: 710.0025
Adapter piece M12x1 - M10x1	Part-No.: 710.0027
Adapter piece M10x1 - M12x1	Part-No.: 710.0028
Adapter piece G1/8" - M12x1	Part-No.: 710.0034
Adapter piece M14x1 AG - 1/4IG	Part-No.: 710.0035
Adapter piece M12x1 AG - 7/8"-14G LH AG	Part-No.: 710.0037



Double nipple

Double nipple G1/8" AG / M12x1 AG SW 12 (MS)	Part-No.: 710.0015
Double nipple G1/8" AG / G1/8" AG SW 12 (MS)	Part-No.: 710.0016
Double nipple M12x1 AG / M12x1 AG SW 12 (MS)	Part-No.: 710.0017
Double nipple G1/4" AG / G1/4" AG SW 14 (MS)	Part-No.: 710.0018
Double nipple G3/8" AG / G3/8" AG SW 17 (MS)	Part-No.: 710.0019
Double nipple M10x1 AG / M10x1 AG SW 10 (MS)	Part-No.: 710.0020



Quick disconnectors

Quick disconnecter NS 5 G1/8" IG	Part-No.: 177.0002
Quick disconnecter NS 5 G1/8" AG	Part-No.: 177.0003
Quick disconnecter with G3/8" (ext. thread)	Part-No.: 177.0012
Quick disconnecter NS 5 G1/8" AG w. sliding collar (red)	Part-No.: 177.0013
Quick disconnecter NS 5 G1/8" AG w. sliding collar (blue)	Part-No.: 177.0014
Quick disconnecter NS 5 G1/4" IG	Part-No.: 501.0158
Quick disconnecter w. connecting nut G3/8" w. electr. connection	Part-No.: 501.0163
Quick disconnecter NS 5 M12x1 IG	Part-No.: 501.0176
Quick disconnecter NS 5 5/8"-18G UNF-LH AG	Part-No.: 501.0188
Quick disconnecter NS 5 G3/8" IG	Part-No.: 501.0189
Quick disconnecter for hose Ø = 8 mm	Part-No.: 501.0190
Quick disconnecter w. connecting nut G1/2"	Part-No.: 501.0191
Quick disconnecter w. connecting nut M12x1,5	Part-No.: 501.0194
Quick disonnector SW 5 w. threaded nozzle Ø = 10 mm	Part-No.: 501.0195
Quick disonnector SW 5 7/8"-14G UNF IG	Part-No.: 501.0196
Quick disonnector SW 5 M14x1 IG	Part-No.: 501.0197
Quick disconnecter w. connecting nut G1/2" w. electr. connection	Part-No.: 501.0198
Quick disonnector SW 5 G1/8" AG	Part-No.: 501.0199
Quick disonnector SW 5 w. threaded nozzle Ø = 6,5 mm	Part-No.: 501.0204
Quick disconnecter for hose Ø = 6,5 mm	Part-No.: 501.0230
Quick disonnector SW 5 w. spout Ø = 6 mm	Part-No.: 501.0270
Quick disonnector SW 5 5/8"-18G UNF IG	Part-No.: 501.1795
Spacer ring (20 pcs.)	Part-No.: 501.0304



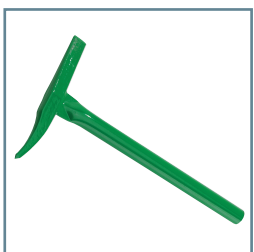
Quick disconnectors with lug

Quick disonnector SW 5 G3/8" IG w. lug	Part-No.: 501.0163
Quick disonnector SW 5 G1/2" IG w. lug	Part-No.: 501.0198
Quick disonnector SW 5 7/8"-14G UNF IG w. lug	Part-No.: 501.1797

Welding Accessories

Chipping hammers and Wire brushes

Chipping hammers



Chipping hammer Type "Splitter"

- Tunnel handle, green, Ø 21 mm
- Weight: 420 g

Part-No.: 514.0027.1



Chipping hammer Type "Grip", small

- Plastic handle, red
- Weight: 380 g

Part-No.: 514.0033.1



Chipping hammer Type "D-Style"

- Wooden handle, coated
- Weight: 470 g

Part-No.: 514.0037.1



Chipping hammer Type "S-Style"

- Wooden handle, coated
- Weight: 150 g

Part-No.: 514.0038.1

Wire brushes



Stainless steel-Wire brush

- Rust-free steel wire 1.4301, Ø 0.35 mm
- Wooden handle
- Total length 290 mm

2-rowed Part-No.: 514.0041.1

3-rowed Part-No.: 514.0042.1

4-rowed Part-No.: 514.0043.1



Steel-Wire brush

- Steel wire, Ø 0.35 mm
- Wooden handle
- Total length 290 mm

2-rowed Part-No.: 514.0044.1

3-rowed Part-No.: 514.0045.1

4-rowed Part-No.: 514.0046.1

Welding Accessories

Chipping hammers and Wire brushes

Wire brushes



Brass-Wire brush

- Brass wire curled, Ø 0.30 mm
- Wooden handle
- Total length 290 mm

4-rowed

Part-No.: 514.0047.1



Brass-Steel wire brush

- Steel wire, Ø 0.30 mm
- Wooden handle
- Total length 290 mm

4-rowed

Part-No.: 514.0048.1



Brass-Steel wire universal brush

- Steel wire, Ø 0.30 mm
- Plastic handle, red
- Total length 260 mm

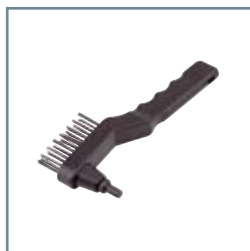
Part-No.: 514.0049.1



Steel wire universal brush

- Steel wire, Ø 0.30 mm
- Plastic handle, blue
- Total length 260 mm

Part-No.: 514.0050.1



Wire brush 2 in 1, small

- Chipping hammer with integrated steel wire brush
- Plastic handle
- Total length 175 mm

2-rowed

Part-No.: 514.0051.1



Wire brush 2 in 1, big

- Chipping hammer with integrated steel wire brush
- Plastic handle
- Total length 265 mm

3-rowed

Part-No.: 514.0052.1

Welding Accessories

Welding mirrors and Igniters

Welding mirrors



Magnet-Welding mirror, 400 mm long

- Flexible metal tube, ball joint and magnetic clamp
- Steel mirror 70 x 80 mm

Part-No.: 514.0053.1



Hand-Welding mirror, 400 mm long

- Steel wire handle with clamp and ball joint
- Steel mirror 70 x 80 mm

Part-No.: 514.0060.1



Replacement mirror for aforesaid Hand- and Magnet-Welding mirror

- Steel mirror 70 x 80 mm

Part-No.: 514.0054.1



Telescope-Mirror

- Length adjustable from 250 to 600 mm
- Mirror Ø 180 mm

Part-No.: 514.0059.1

Igniters



Hood igniter (incl. 5 stones)

- Nickel plated
- Applicable for all gas types

Part-No.: 514.0055.1

Replacement rocks for hood igniter, 5 pcs.

Part-No.: 514.0056.1

Welding Accessories

Welding and Work gloves

Welding gloves



4143
EN 388

MIG/MAG-Welding gloves

- Long lifetime thanks to sturdy 1.3 mm thick calf leather as well as high abrasion resistance
- Optimal fit – no pressures when bending fingers
- Sewn with triple KEVLAR®-thread for higher seam strength and seam flame resistance
- Long cuffs for wrist and forearm protection against contact heat

Size 10
Size 11

Part-No.: 519.0001.1
Part-No.: 519.0002.1



4143
EN 388



41xx4x
EN 407

MIG/MAG-Welding gloves "Heavy Duty"

- Heat resistant 1.3 mm thick special calf leather, which withstands contact of approx. 250 up to 300°C
- Special sweat absorbant lining for high performance applications
- Back of the hand made of one piece to reduce additional pressures by seams
- Optimal fit – no pressures when bending fingers
- Sewn with triple KEVLAR®-thread for higher seam strength and seam flame resistance
- Long cuffs for wrist and forearm protection against contact heat

Size 10
Size 11

Part-No.: 519.0003.1
Part-No.: 519.0004.1



2111
EN 388

TIG-Welding gloves

- Very soft 0.8 mm thick sheep nappa leather and ergonomical pattern construction provides optimal control of the TIG-Torch
- Optimal fit – no pressures when bending fingers
- Sewn with double KEVLAR®-thread for higher seam strength and seam flame resistance
- Long cuffs for wrist and forearm protection against contact heat

Size 10
Size 11

Part-No.: 519.0005.1
Part-No.: 519.0006.1

Work gloves



4143
EN 388

Work gloves

- Long lifetime thanks to sturdy 1.4 mm thick calf leather and high abrasion resistance
- Optimal fit for incomparable comfort
- All seams are double sewn
- Compared to common standard work gloves the fingers of these work gloves are completely leather-protected

Size 10
Size 11

Part-No.: 519.0007.1
Part-No.: 519.0008.1

Welding Accessories

Tungsten Electrodes

The nuts and bolts for best welding results.

For tungsten inert gas welding (TIG), the non-fusing and temperature resistant tungsten electrode, in addition to the torch, the energy source and the inert gas, is a major factor for obtaining optimum results.

The following must be taken into consideration when selecting the tungsten electrode:

- Type of tungsten electrode
- Diameter of electrode
- Quality of the polished section and roughness of the electrode
- Tip geometry of the electrode



Influence of doping on the characteristics of the electrode.

WP

Undoped electrodes – consist of pure tungsten. The main area of application for this type of electrode is the AC welding of aluminum alloys with excellent arc stability. The WP-electrodes are not suitable for DC welding.
Colour-coding: **WP = green**

WT 10 / 20 / 40

Electrodes with thorium oxide (ThO_2). On these electrodes, compared to pure tungsten, the work function is reduced due to the doping (same as with oxides of rare earth), i.e. during the operation the emission current density of the electrodes is increased while the temperature is kept the same. With increased thorium doping, service life, ampacity and refiring properties improve. The main area of application for these electrodes is the DC welding of high-alloyed and stainless steel.

Colour-coding: **WT 10 = yellow / WT 20 = red / WT 40 = orange**

Caution! Thorium is a naturally radioactive element. Its decomposition products are also radioactive. Therefore, the use of tungsten electrodes with thorium oxide (ThO_2) should consequently be avoided, if at all possible. If thoriated electrodes are used anyway, make absolutely sure an extraction system is in place when grinding down the electrodes - only suction devices of the dust grade H (highest dust grade) are approved - and also for optimum weld fume extraction. This is because the main risk potential of thoriated electrodes lies in the alpha rays when radioactive particles are inhaled which will remain in the lungs forever and thus lead to permanent damage to the cells, and perhaps even lung cancer. The gamma rays on the other hand are almost negligible. See also BGI 746; dealing with thorium-oxide containing tungsten electrodes during tungsten inert gas welding.

Welding Accessories

Tungsten Electrodes

WR 2

Electrodes with rare earth (mixed oxides). The non-radioactive electrodes that are free of thorium offer excellent firing and consistent welding properties. These are used specifically in the lower and medium ampere range for steel, stainless steel, copper and brass applications. Because of their firing properties they are preferred for automatic welding.

Colour-coding: **WR 2 = turquoise**

WL 10 / 15 / 20

The lanthanated electrodes are universal and may be used for nearly all applications in DC and AC welding. The main areas of application are the welding of unalloyed and high-alloyed steel, aluminum, titanium, nickel, copper and magnesium alloys. Another area of application for these electrodes is micro-plasma welding. The ignitability of the electrodes is enhanced with the increased content of lanthanum oxide (La₂O₃). This proves to be a big advantage during automatic welding.

Colour-coding: **WL 10 = black / WL 15 = gold / WL 20 = blue**

WC 20

The universal electrode for just about all applications. By adding cerioxide (CeO₂) these electrodes have a similar effect as the electrodes with thorium oxide (ThO₂). Compared to the thoriated electrodes, the electrode with cerioxide (CeO₂) is less harmful to the environment and not radioactive. The main area of application for these electrodes is the DC and AC welding of unalloyed and high alloyed steel, aluminum, titanium, nickel, copper and magnesium alloys.

The electrodes offer excellent firing properties, also for refiring of warm electrodes. Furthermore, they convince with their long service life and excellent ampacity.

Colour-coding: **WC 20 = grey**

WZ 08

Tungsten electrodes with the addition of zirconium have a lower risk of contaminating fused materials from the tungsten. The area of application for this electrode is AC welding. They are suitable for DC welding to only a limited extent.

Colour-coding: **WZ 08 = white**

Tungsten electrodes per EN 26848 / ISO 6848 (10 pcs.)

Length: 175 mm

Electrodes-Ø

	WP green	WT10 yellow	WT20 red	WT40 orange	WR2 turquoise	WL10 black	WL15 gold	WL20 blue	WC20 grey	WZ08 white
1.0 mm	700.0003	700.0044	700.0070	700.0124	700.2195	700.0157	700.1183	700.0219	700.0166	700.0028
1.6 mm	700.0007	700.0049	700.0080	700.0127	700.2196	700.0158	700.1184	700.0220	700.0167	700.0030
2.0 mm	700.0009	700.0235	700.0083	700.0128	700.2197	700.0159	700.1185	700.0221	700.0168	700.0032
2.4 mm	700.0012	700.0053	700.0090	700.0130	700.2198	700.0160	700.1186	700.0222	700.0169	700.0034
3.0 mm	700.0137	700.0236	700.0094	700.0151	700.2199	-	700.0254	700.0241	700.0250	700.0248
3.2 mm	700.0016	700.0056	700.0099	700.0132	700.2200	700.0162	700.1187	700.0223	700.0170	700.0036
4.0 mm	700.0018	700.0058	700.0102	700.0134	700.2201	700.0163	700.0255	700.0242	700.0171	700.0037

Length: 150 mm

Electrodes-Ø

	WP green	WT10 yellow	WT20 red	WT40 orange	WR2 turquoise	WL10 black	WL15 gold	WL20 blue	WC20 grey	WZ08 white
1.0 mm	700.0002	-	700.0068	-	700.2187	700.0268	700.0277	-	700.0180	700.0290
1.6 mm	700.0006	700.1048	700.0078	-	700.2188	700.0269	700.0278	700.0229	700.0176	700.0029
2.0 mm	700.0008	700.1050	700.0081	-	700.2189	700.0270	700.0279	-	700.0181	700.0291
2.4 mm	700.0011	700.1052	700.0088	-	700.2190	700.0271	700.0280	700.0230	700.0175	700.0033
3.0 mm	700.0013	700.0289	700.0093	700.1131	700.2191	700.0272	700.0281	-	700.0182	700.0292
3.2 mm	700.0015	700.1055	700.0097	-	700.2192	700.0273	700.0282	700.0231	700.0177	700.0035
4.0 mm	700.0017	700.1057	700.0101	-	700.2193	700.0274	700.0283	-	700.0266	700.0293



Welding cable connector system

ABIPLUG

Plug & weld! ABIPLUG – the reliable connection.

The new range of **ABIPLUG** welding cable connectors from **ABICOR BINZEL** – designed for safe and correct current transfer in the entire 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 trend-setting “square end-block-system” of 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 into 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** or **ABI-CF** / **ABI-IM**

ABI-CM (Cable **M**ale) = Welding cable plug

ABI-CF (Cable **F**emale) = Welding cable socket

ABI-IM (Insert **M**ale) = Panel mounted plug

ABI-IF (Insert **F**emale) = Panel mounted socket

Welding cable connector system

ABIPLUG



Panel sockets

- 1 ABI-IF 10-25
- 2 ABI-IF 35-50
- 3 ABI-IF 50-70
- 4 ABI-IF 70-95

Part-No.: 511.0304
 Part-No.: 511.0314
 Part-No.: 511.0330
 Part-No.: 511.0309

Cable plugs

- 5 ABI-CM 10-25
- 6 ABI-CM 35-50
- 7 ABI-CM 50-70
- 8 ABI-CM 70-95

Part-No.: 511.0305
 Part-No.: 511.0315
 Part-No.: 511.0331
 Part-No.: 511.0342



Panel plugs

- 9 ABI-IM 10-25
- 10 ABI-IM 35-50
- 11 ABI-IM 50-70
- 12 ABI-IM 70-95

Part-No.: 511.0306
 Part-No.: 511.0316
 Part-No.: 511.0332
 Part-No.: 511.0320

Cable sockets

- 13 ABI-CF 10-25
- 14 ABI-CF 35-50
- 15 ABI-CF 50-70
- 16 ABI-CF 70-95

Part-No.: 511.0303
 Part-No.: 511.0313
 Part-No.: 511.0329
 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 to 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:

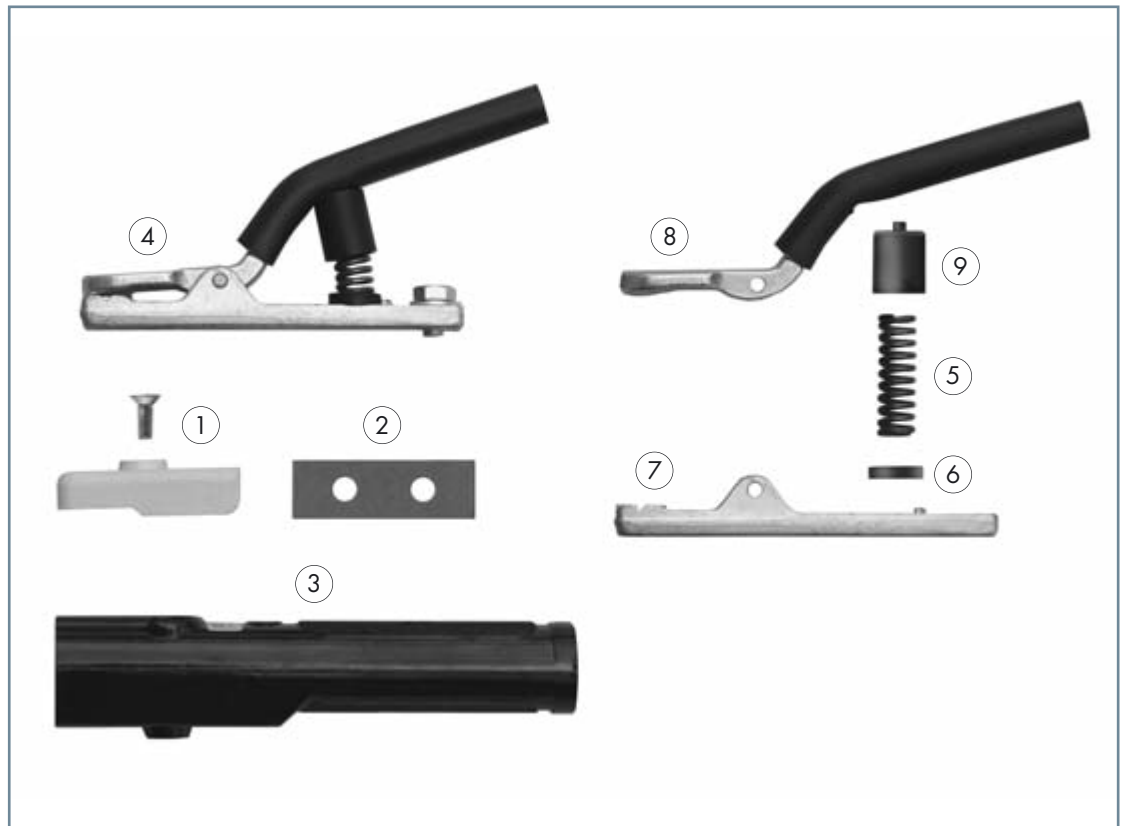
Type	Rating		Electrodes-Ø	Welding cable	Connection bolt ²⁾
	at 60% Duty cycle	at 35% Duty cycle			
DE 2200 / K ¹⁾	200 A	250 A	2.0–4.0 mm	25 / 35 mm ²	M8
DE 2300 / K ¹⁾	300 A	400 A	2.0–6.3 mm	35 / 70 mm ²	M8
DE 2400 / K ¹⁾	400 A	500 A	4.0–8.0 mm	50 / 95 mm ²	M10
DE 2500 / K ¹⁾	500 A	600 A	4.0–10.0 mm	70 / 120 mm ²	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
w./o. fig.	Front part "K"	512.D473	512.D474	512.D475	512.D481
5	Pressure spring	512.D025	512.D035	512.D035	512.D035
6	Cap	512.D026	512.D036	512.D036	512.D036
7	Bottom part	512.D276	512.D278	512.D280	512.D282
w./o. fig.	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
w./o. fig.	Ferrule "K"	511.0048	511.0065	511.0104	511.0104

Gouging Torch

K10 / K12 / K12 T / K16 / K16 T

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		Compr. air max.	Compr. air connection
			width (mm)	thickness (mm)	width (mm)	thickness (mm)		
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	

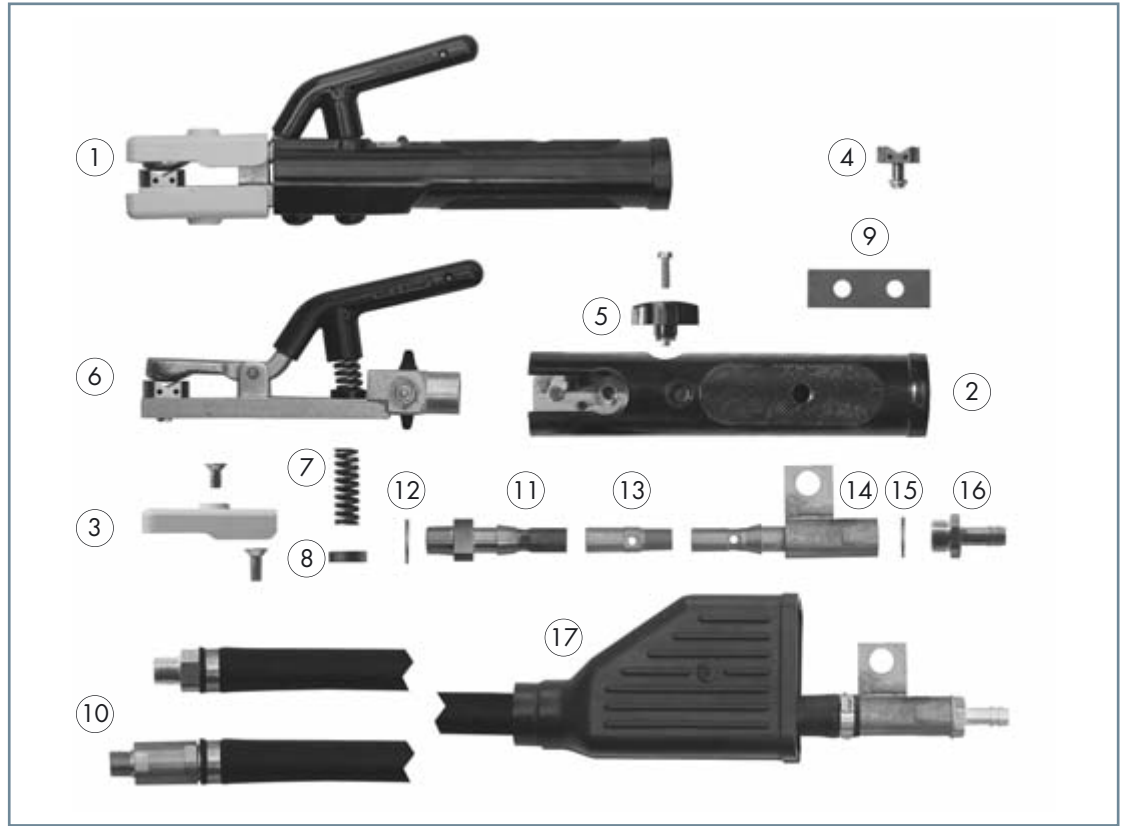
Gouging Torch cpl.

Type		Part-No.	
		2.1 m	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

K10 / K12 / K12 T / K16 / K16 T



Wear parts

Pos.	Description	Part-No.				
		K10	K12	K12 T	K16	K16 T
1	Gouging Torch w./o. tube cable	516.D028	516.D028	516.D028	516.D040	516.D040
2	Handle	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
4	Nozzle (for round electrodes)	516.D026	516.D026	516.D026	516.D044	516.D044
5	Cross handle	516.D012	516.D012	516.D012	516.D012	516.D012
6	Front part cpl.	516.D027	516.D027	516.D027	516.D041	516.D041
7	Pressure spring	516.D013	516.D013	516.D013	516.D013	516.D013
8	Cap	512.D036	512.D036	512.D036	512.D036	512.D036
9	Insulating plate	512.D032	512.D032	2x512.D032	512.D032	2x512.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
11	Connection piece	516.D051	516.D022	-	516.D043	-
12	Spacer ring (10 pcs.)	516.D053	516.D053	516.D053	516.D053	516.D053
13	Inside connection	-	516.D160	516.D160	516.D161	516.D161
14	Connection piece	516.D135	516.D158	516.D158	516.D158	516.D158
15	Space ring (10 pcs.)	001.D170	001.D170	001.D170	001.D170	001.D170
16	Threaded nozzle	001.D171	001.D172	001.D172	001.D172	001.D172
17	Insulating joint	516.D134	516.D134	516.D134	516.D134	516.D134
w./o. fig.	Special hose for 2.1 m	516.D128	516.D131	-	516.D131	-
	Special hose for 3.0 m	516.D055	516.D021	-	516.D021	-
w./o. fig.	Flat nozzle 15/20	516.D023	516.D023	516.D023	516.D023	516.D023
w./o. fig.	Flat nozzle 15	516.D024	516.D024	516.D024	516.D024	516.D024
w./o. fig.	Flat nozzle 20	516.D025	516.D025	516.D025	516.D025	516.D025
w./o. fig.	Flat nozzle 25	-	-	-	516.D045	516.D045

Gouging Torch TEAM BINZEL®

G 3000 / G 4000

Rugged and easy to handle ...

The gouging torches TEAM BINZEL® G 3000 and G 4000 are safe and easy to handle. They are being used for gouging, weld seam preparing, gouging out of blowholes and cracks, chamfering, cutting, surface removal 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



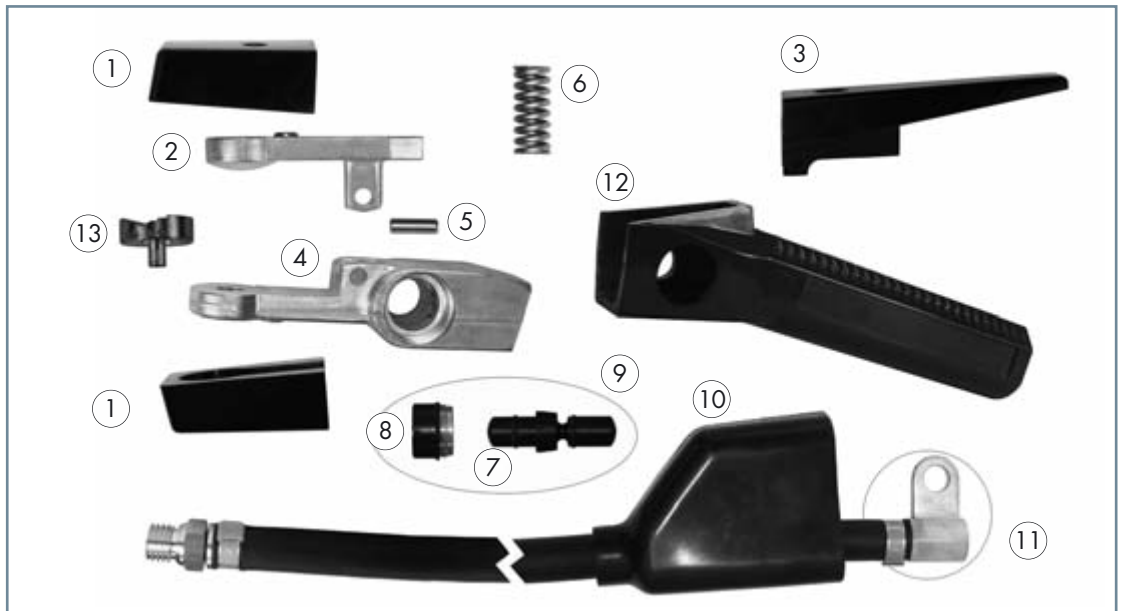
Gouging Torch TEAM BINZEL®

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

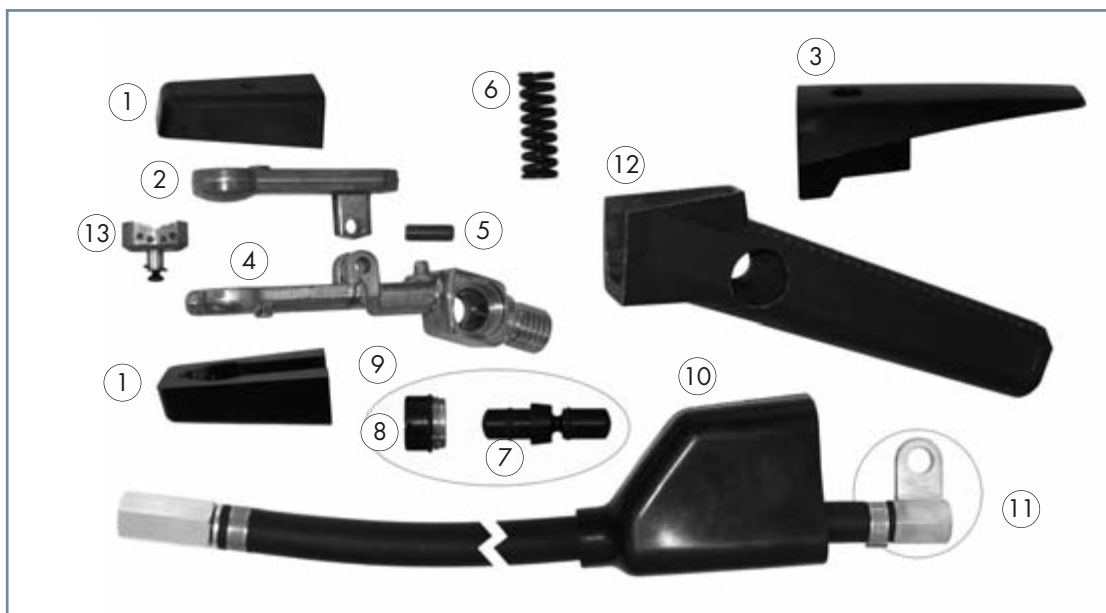
Gouging Torch TEAM BINZEL®

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

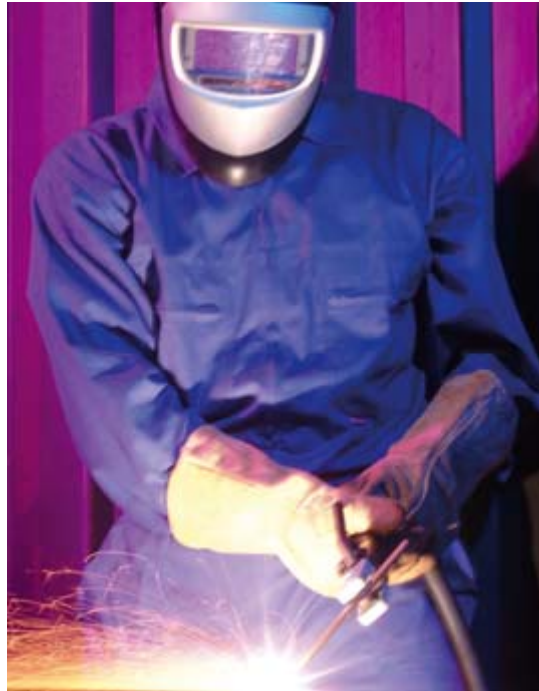
Pos.	Description	Part-No.
1	Insulator set (2 pcs.)	516.0027
2	Lever top part	516.0028
3	Lever	516.0029
4	Torch body	516.0030
5	Bolt	516.0031
6	Pressure spring	516.0032
7	Slider	516.0012
7	Slider with O-ring	516.0013
7	O-ring (2 pcs.)	516.0014
8	Fastening nut	516.0015
9	Valve cpl.	516.0016
10	Insulating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

Gouging Electrodes TEAM BINZEL®

ABIARC

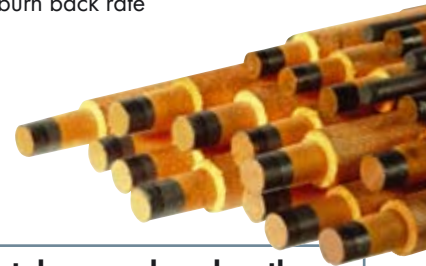
Pure efficiency ...

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

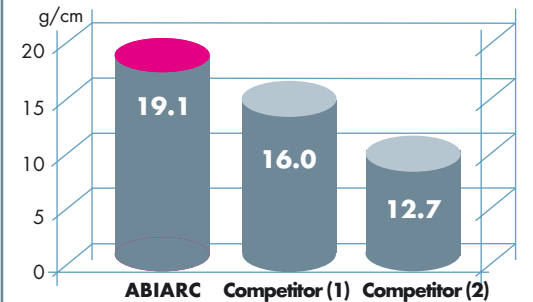


Special features:

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



Weight of metal removal per length of electrode consumed.



Order overview ABIARC Gouging electrodes

ABIARC Gouging electrodes (DC) pointed

Type		Ampère	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		Ampère	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) jointed

Type		Ampère	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

ABIARC Gouging electrodes (DC) flat

Type		Ampère	Pcs.	Part-No.
10x5x305 mm		400	50	515.0025
15x5x305 mm		550	50	515.0026

Coolant Recirculators

WK 23 / WK 43

The portable cooling device for all common applications!

- Simple handling – connection (feed and return) via quick-action couplings
- Compact design size – small space requirements
- Sturdy design – indestructible stainless steel tank and sturdy housing
- Service-friendly – clear coolant sight glass



Technical data:

Type	WK 23	WK 43
Heat exchanger:	2 lines	4 lines
Immersion pump 50 Hz (protection class IP 54)	Delivery height: Hmax. 32 m Flow rate: Qmax. 13.5 litres/min. at G3/8" connector	Delivery height: Hmax. 32 m Flow rate: Qmax. 13.5 litres/min. at G3/8" connector
Immersion pump 60 Hz (protection class IP 54)	Delivery height: Hmax. 32 m Flow rate: Qmax. 16.0 litres/min. at G3/8" connector	Delivery height: Hmax. 32 m Flow rate: Qmax. 16.0 litres/min. at G3/8" connector
Cooling cap. (RT = 22° C)	approx. 1000 W at 1 litre/min.	approx. 1250 W at 1 litre/min.
Dimensions (LxBxH)	253 x 270 x 460 mm	253 x 270 x 516 mm
Weight:	17 kg	18 kg
Tank capacity:	7 litres	7 litres

Order overview

Type	Line voltage	Frequency	Power rating	Current consumption	Part-No.
WK 23	115 V	50 Hz	0.35 kW	6.5 A	850.0214
WK 23	115 V	60 Hz	0.35 kW	6.5 A	850.0135
WK 23	230 V	50 Hz	0.35 kW	3.1 A	850.0137
WK 23	230 V	60 Hz	0.35 kW	3.1 A	850.0210
WK 23	240 / 415 V	50 Hz	0.50 kW	2.6 / 1.6 A	850.0144
WK 43	115 V	50 Hz	0.35 kW	6.5 A	850.0215
WK 43	115 V	60 Hz	0.35 kW	6.5 A	850.0156
WK 43	230 V	50 Hz	0.35 kW	3.1 A	850.0159
WK 43	230 V	60 Hz	0.35 kW	3.1 A	850.0211
WK 43	240 / 415 V	50 Hz	0.50 kW	2.6 A / 1.6 A	850.0165

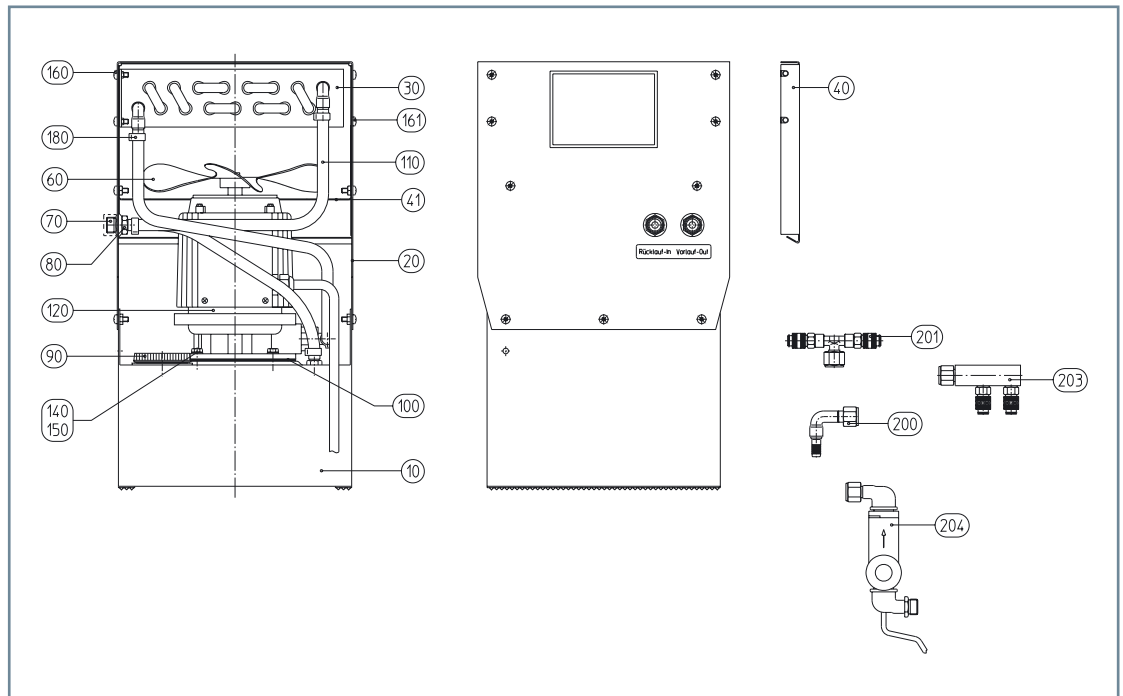
Operating instructions:

As coolant for all liquid cooled torch systems, we recommend the special ABICOR BINZEL coolant BTC-15, which remains liquid down to -10° C. Must be used in conjunction with an adequate motor protection device. A water flow cut-off switch (850.0033) is recommended.

Coolant Recirculators

WK 23 / WK 43

Wear parts



Pos.	Description	Details	Part-No.
Housing and immersion pump			
10	Tank cpl.		850.0269
20	Enclosure WK 23		850.0016
20	Enclosure WK 43		850.0022
30	Radiator 2-row WK 23		850.0026
30	Radiator 4-row WK 43		850.0027
40	Front panel WK 23		850.0041
40	Front panel WK 43		850.0047
41	Side panel		850.0247
60	Fan blade		850.0053
70	Water fitting G 3/8"		850.0057
80	Nut M12x1		500.0080
90	Tank cap		850.0059
100	Gasket ring		850.0060
110	Hose 3 black Ø 8.5x2.15	100 m	109.0013
120	Submersible pump with motor 115 V / 50 Hz		850.0216
120	Submersible pump with motor 115 V / 60 Hz		850.0202
120	Submersible pump with motor 230 V / 50 Hz		850.0203
120	Submersible pump with motor 230 V / 60 Hz		850.0209
120	Submersible pump with motor 240/415 V / 50 Hz		850.0204
140	Washer Ø 6.0 mm	20 pcs.	001.0148
150	Hexagon head screw M6x20	20 pcs.	009.0161
160	Rounded head screw M5x6	20 pcs.	079.0039
161	Rounded head screw M5x12	20 pcs.	079.0037
180	Hose clamp Ø 14.3 mm with ring (mark 15.0)	20 pcs.	173.0010
Accessories			
200	Fitting (90° angled)		850.0037
201	T-piece (to connect two torches)		850.0189
203	T-piece (90° angled, to connect two torches)		850.0235
204	Water flow cut-off switch with G 3/8" connector		850.0033

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 Peripheral Equipment

- Robot Torches
MIG/TIG/Plasma
- Robot Mount CAT2/iCAT
- Torch Change System
ATS-Rotor
- Tool Change System WWS
- Wire Cutting Station DAV
- Torch Cleaning Station
BRS-LC, BRS-CC and BRS-FP
- Wire Feeding Station APD-MF

■ Welding Accessories

- Coolers
- Welding Cable Plug and Socket
- Anti Spatter Spray and Paste
and so on ...



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