schweißkraft
Schweißtechnik

MIG/MAG PULSE INERT GAS WELDING SYSTEMS

Qualität Made
in Germany



LCD Synergic Pulse gas welding device craftmig® – state-of-the-art MIG welding device for professional use

- Best welding results due to reliable ignition and stable electric arc
- Suitable for operation with power generator
- Totally easy setting thanks to Synergie function – three steps to welding:

1. Step: Gas, material, wire diameter
2. Step: 2/4 cycle, spot, interval
3. Step: Material thickness

- Precise setting of the correct welding parameters via digital display with job memory
- The low-noise fans capably dissipate the heat from the devices thus ensuring a high duty cycle
- Arc force control: internal monitoring of the welding current and welding voltage reliably and safely resolves short-circuits. This stabilises the arc, and the electrode can be processed without any problems
- CRAFT-MIG 201 LCD P Synergic equipped with PFC (power factor correction) for best possible use also when connected to cable drums







Power Factor Correction

PULSE DC PULSE

Generator Friendly

- **PFC** is an electrical or electronic circuit which increases the power factor

Experience our capability and request individual advice!

Contact: +49 (0951) 96 555-501
beratung@schweisskraft.de



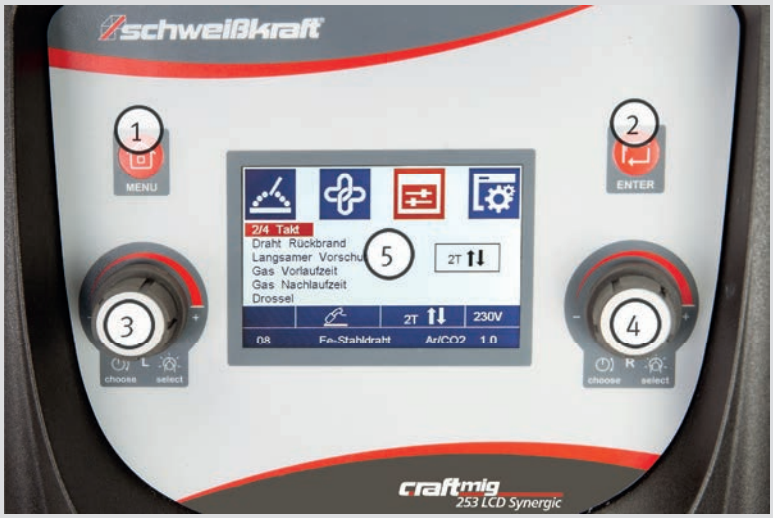
Craft-Mig 201 LCD P Synergic



CRAFT-MIG 253 LCD Synergic

The control system:

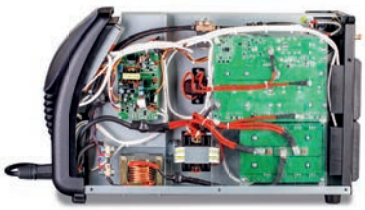
1. *Menu button*
2. *Confirm button*
3. *Rotary button for voltage*
4. *Rotary button for arc length correction and other functions*
5. *Display*



Model		Craft-Mig 201 LCD P Synergic	CRAFT-MIG 253 LCD Synergic
Art. no.		1071201	1071253
Adjusting range			
MIG/MAG	A	25 – 200	25 – 250
Electrode	A	10 – 200	10 – 250
TIG DC	A	10 – 200	10 – 250
Duty cycle			
at max. current 40 °C	%	40	30
Current at 100 % DC 40 °C	A	130	140
Wire feed			
Wire feeder	Rollers	4	4
Speed	m/min	1.5 – 16.5	1.5 – 18
Electrical connection			
Open circuit voltage	V	Electrode: 65 | TIG: 63 | MIG/MAG: 65	Electrode: 14.5 | TIG: 43 | MIG/MAG: 70
Power input			
Power factor	cos phi	0.99	0.5
Degree of efficiency	%	77	83
Electrical data			
Supply voltage	V	230	400
Phase(s)	Ph	1	3
Current type		AC	
Mains frequency	Hz	50 / 60	
Dimensions and weights			
Dimensions (L x W x H)	mm	560 x 20 x 410	650 x 240 x 445
Weight approx.	kg	15.5	24
Standards and certifications			
Standard		EN 60 974-1; -10	
EMC level		A	







Scope of delivery
CRAFT-MIG 201 LCD P SYNERGIC

- Feed rollers Ø0.8 - 1.0 mm steel
- Torch MB25 3m
- Earth cable 25 mm² 3 m incl. 300A
- Earth clamp
- Gas hose 4 m
- Pressure regulator Argon/CO^2 large
- 3 m power cable

Scope of delivery
CRAFT-MIG 253 LCD SYNERGIC

- Feed rollers Ø0.8 - 1.0 mm steel
- Torch MB25 4m
- Earth cable 35 mm² 4 m incl. 300A
- Earth clamp
- Gas hose 4 m
- Pressure regulator Argon/CO^2 large
- 4 m power cable

Accessories

Designation	Art. no.
Torch SMB 25/4 m with pushbutton	1092504
TIG welding torch SR 26 / 4 m, gas cooled	1104004
Ground cable 4 m 25 mm², KS50/13 mm, terminal 200 A	1250225
Ground cable 4 m 35 mm², KS50/13 mm, terminal 400 A	1250235
Pressure regulator Argon/CO_2 large Schweißkraft	1700050
Basket spool adapter KA 2, with quick release coupling	1110005



SMB 25/4 m *SR 26/4 m* *Ground cable*

Wear part set	Art. no.
VST SMB25	1092501
1x sorting box, 3x retaining spring, 2x tip adapter M6, 5x contact tip M6 Ø 0.8/28 mm, 5x contact tip M6 Ø1.0/28 mm, 2x gas tip conical Standard 1x gas tip cyl.	



Pressure regulator



Basket spool adapter KA 2



VST SMB 25

Wire feeder rolls for CRAFT-MIG 201 LCD P SYNERGIC

Designation	Art. no.
Feed roll 0.6/0.8 mm V slot	1171005
Feed roll 0.8/1.0 mm V slot	1171006
Feed roll 0.8/1.0 mm K slot	1171007
Feed roll 0.8/1.0 mm U slot	1171008

Wire feeder rolls for CRAFT-MIG 253 LCD SYNERGIC

Designation	Art. no.
Feed roll 0.6/0.8 mm V slot	1171020
Feed roll 0.8/1.0 mm V slot	1171021
Feed roll 1.0/1.2 mm V slot	1171022
Feed roll 0.8/1.0 mm K slot	1171023
Feed roll 1.0/1.2 mm K slot	1171024
Feed roll 0.8/1.0 mm U slot	1171025
Feed roll 1.0/1.2 mm U slot	1171026

Pulse inert gas welding device craftmig® – state-of-the-art MIG welding device for professional use

- Pulse function: Far less rework due to low-spatter welding
- Best welding results due to reliable ignition and stable electric arc
- Synergie function: Preselect the wire Ø, material and gas for automatic calculation of the voltage and wire feed rate
- Precise setting of the correct welding parameters via digital display with job memory
- The low-noise fans capably dissipate the heat from the devices thus ensuring a high duty cycle
- Arc force control: internal monitoring of the welding current and welding voltage reliably and safely resolves short-circuits. This stabilises the arc, and the electrode can be processed without any problems
- Filler wires can be easily welded by simply reversing the polarity
- Suitable for operation with power generator
- Large feature scope: MIG/MAG (Pulse, Dual Pulse, Synergic, manual), TIG Lift Arc, el. manual
- **CRAFT-MIG 201P Pulse** equipped with PFC (power factor correction) PFC for best possible use also when connected to cable drums
- **CRAFT-MIG 253 Pulse:** optionally with liquid cooling







Power Factor Correction

PULSE DC PULSE

Generator Friendly

- **PFC** is an electrical or electronic circuit which increases the power factor

Experience our capability and request individual advice!

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beratung@schweisskraft.de

CRAFT-MIG 201P Pulse *CRAFT-MIG 253 Pulse*

The control system:

1. *Digital display for welding voltage*
2. *Digital display for welding current level*
3. *LED for mains connection and overload indicator*
4. *Selector buttons for gas, wire threading, job and store/load*



5. *Welding process selection*
6. *Torch assignment (2-cycle/4-cycle)*
7. *Custom parameters*
8. *Rotary button for voltage*
9. *Rotary button for arc length correction and other functions*

Model		CRAFT-MIG 201P Pulse	CRAFT-MIG 253 Pulse
Art. no.		1072201	1072253
Adjusting range			
MIG/MAG	A	20 – 200	20 – 250
Electrode	A	10 – 200	10 – 250
TIG DC	A	10 – 200	10 – 250
Duty cycle			
at max. current 40 °C	%	40	60
Current at 100 % DC 40 °C	A	130	195
Wire feed			
Wire feeder	Role	4	
Speed	m/min	1.5 – 24	
Electrical connection			
Open circuit voltage	V	Electrode: 94.4 TIG: 92.2 MIG/MAG: 84.5	Electrode: 93.8 TIG: 93.4 MIG/MAG: 77
Explanation of open circuit voltage		Specifications for supply voltage 230 V	
Power input			
Power factor	cos phi	0.99	0.7
Degree of efficiency	%	82.22	85.13
Electrical data			
Supply voltage	V	110/230	400
Phase(s)	Ph	1	3
Current type		AC	
Mains frequency	Hz	50/60	
Dimensions and weights			
Dimensions (L x W x H)	mm	580 x 230 x 400	750 x 240 x 450
Weight approx.	kg	25	29
Standards and certifications			
Standard		EN 60 974-1; -10	
EMC level		A	
Identifier		CE	
Equipment level			
TIG / El. manual		Yes	
Dual Pulse		Yes	
Synergie Function		Yes	
Power factor correction		Yes	no





Scope of delivery
CRAFT-MIG 201P PULSE
- Welding torch MB 25, 3 m
- Earth cable 25 mm² with ground clamp 300 A, 3 m
- Gas hose 12 x 6 mm, 4 m
- Pressure regulator Argon/CO_2, large
- Feed roll Ø 0.8 – 1.0 mm steel

Scope of delivery
CRAFT-MIG 253 PULSE
- Welding torch MB 25, 4 m
- Earth cable with ground clamp 300 A, 35 mm², 4 m
- Gas hose 12 x 6 mm, 4 m
- Pressure regulator Argon/CO_2, large
- Feed roll Ø 0.8 – 1.0 mm steel

Accessories

Designation	Art. no.
Torch SMB 25/4 m with pushbutton	1092504
TIG welding torch SR 26 / 4 m, gas cooled	1104004
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Pressure regulator Argon/CO2 large Schweißkraft	1700050
Basket spool adapter KA 2, with quick release coupling	1110005

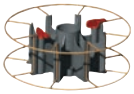
Wear part set	Art. no.
VST SMB25	1092501
1x sorting box, 3x retaining spring, 2x tip adapter M6, 5x contact tip M6 Ø 0.8/28 mm, 5x contact tip M6 Ø1.0/28 mm, 2x gas tip conical Standard 1x gas tip cyl.	



SMB 25/4 m *SR 26/4 m* *Ground cable*



Pressure regulator



Basket spool adapter KA 2



VST SMB 25

Wire feeder rolls for CRAFT-MIG 201P PULSE

Designation	Art. no.
Feed roll 0.6/0.8 mm V slot	1171005
Feed roll 0.8/1.0 mm V slot	1171006
Feed roll 0.8/1.0 mm K slot	1171007
Feed roll 0.8/1.0 mm U slot	1171008

Wire feeder rolls for CRAFT-MIG 253 PULSE

Designation	Art. no.
Feed roll 0.6/0.8 mm V slot	1171020
Feed roll 0.8/1.0 mm V slot	1171021
Feed roll 1.0/1.2 mm V slot	1171022
Feed roll 0.8/1.0 mm K slot	1171023
Feed roll 1.0/1.2 mm K slot	1171024
Feed roll 0.8/1.0 mm U slot	1171025
Feed roll 1.0/1.2 mm U slot	1171026

PRO-ARC 300 W / PRO-ARC 400 WS MIG/MAG pulse welding device – continuously variable for perfect MIG/MAG welding results

- Performance boost and quality enhancement thanks to digitally controlled MIG/MAG industrial processes
- POWER.ARC: Excellent arc quality, steady, stable and powerful arc
- ROOT: Spatter-free welding process for thin sheet and root welds with very good gap bridging, assured penetration and significantly higher welding speed for drop welds
- FOCUS.ARC: Welding with short, powerful arc, safe root penetration, particularly deep penetration, safe flank penetration and reduced penetration notches
- Reduces rework by up to 80 percent
- Enhanced quality thanks to better visibility into the process, better control over the arc and fewer errors
- Improved health protection by reducing exposure to grinding dust by up to 80 percent and to welding spray by 100 percent
- SIRIUS user interface with Assist function for simplifying operations in complex processes, easy integration into all systems, production chains and workflows via freely configurable interface with full Industry 4.0 suitability
- Intelligent, resource-saving liquid-cooling unit: centrifugal pump with high delivery capacity, energy management measures the coolant temperature and cools only when required to prolong the service life of all components

SIRIUS | FOCUS.ARC | ENERGY EFFICIENCY by PFC

Compared with legacy welding processes, *FOCUS.ARC technology* bundles the energy at the centre of the arc

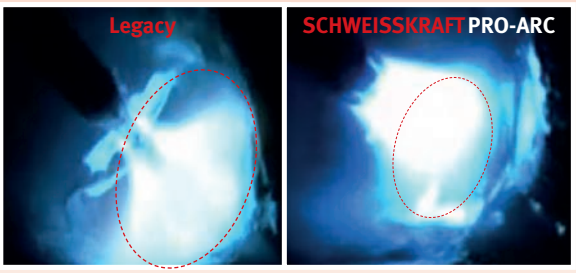
Benefits of SCHWEIßKRAFT welding processes:

Digitally controlled welding processes
- Controlled droplet transition
- Controlled short circuit resolution
- Controlled heat application

Reduces rework time
- The amount of re work can be reduced by up to 80 %

Enhanced quality
- Better visibility of the process
- Better control over the arc
- Fewer errors

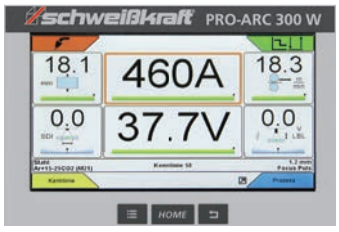
Improved health protection
- Grinding dust exposure is reduced by up to 80 %
- Welding protection spray exposure can be reduced by up to 100 %



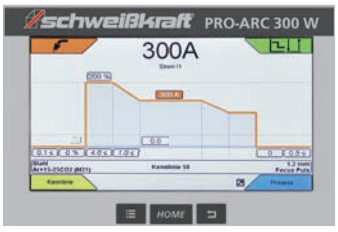
- Heat: 15 % less heat input
- Welding with reduced weld throat angle possible
- Perfect for root and stay welds



SIRIUS user interface - the standard in welding device operation: **forward-looking, intuitive and open.**



SIRIUS monitor shows you everything at a glance

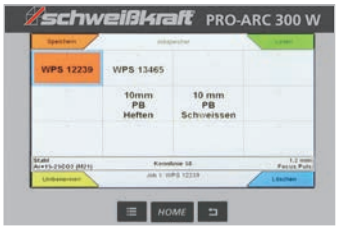


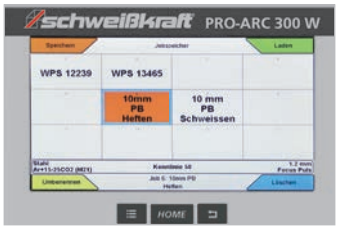


Optimisation parameters displayed transparently and graphically-dynamically



Display with day and night mode





The focus is on what is relevant: the user can see from a distance which setting they are using

MANY OTHER MODELS AND EXTENSIVE ACCESSORIES AVAILABLE ON REQUEST FROM YOUR SPECIALIST WELDING POWER DEALER!

Model		PRO-ARC 300 W (professional trolley, control panel at bottom)	PRO-ARC 400 WS (professional trolley, control panel at top)
Art. no.		1086530	1086540
Adjusting range			
Setting range MIG/MAG	A	20 – 310	20 – 410
Duty cycle at max. current 40 °C	%	80	80
Current at 100 % DC 40 °C	A	280	370
Power consumption MIG/MAG	kVA	11	16.8
Power factor	cos phi	0.99	0.99
Cooling			
Cooling type		AF	AF
Torch cooling		Water	Water
Water tank volume	l	5	5
Wire feed			
Weldable wires steel	mm	0.8 – 1.2	0.8 – 1.2
Weldable wires stainless steel	mm	0.8 – 1.2	0.8 – 1.2
Weldable wires aluminium	mm	1.0 – 1.2	1.0 – 1.2
Wire feeder	Rollers	4	4
Open circuit voltage	V	89	75
Supply voltage	V	400	400
Mains frequency	Hz	50	50
Dimensions (L x W x H)	mm	930 x 560 x 1 030	930 x 560 x 1 300
Net weight approx.	kg	86	103
Equipment level			
Design		Compact	With wire feed case
Max. gas cylinder volume	l	50	50
Penetration depth stabiliser		✓	✓
Mains voltage compensation		✓	✓
FOCUS.ARC		✓	✓
ROOT		✓	✓
POWER.PULS			✓
POWER.ARC		✓	✓



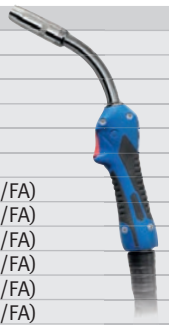


Scope of delivery
PRO-ARC 300 W
- Professional trolley
- Cover flap for control panel

Scope of delivery
PRO-ARC 400 WS
- Professional trolley
- Cover flap for control panel

Torch MIG/MAG liquid-cooled

Art. no.	Designation
1059940	Torch MAG W 340D 3 m
1059941	Torch MAG W 340D 4 m
1059942	Torch MAG W 340D 5 m
1059943	Torch MAG W 440D 3 m
1059944	Torch MAG W 440D 4 m
1059945	Torch MAG W 440D 5 m
1059960	Torch MAG W 340D 7 3 m UD (MPF/SP/FA)
1059961	Torch MAG W 340D 7 4 m UD (MPF/SP/FA)
1059962	Torch MAG W 340D 7 5 m UD (MPF/SP/FA)
1059963	Torch MAG W 440D 7 3 m UD (MPF/SP/FA)
1059964	Torch MAG W 440D 7 4 m UD (MPF/SP/FA)
1059965	Torch MAG W 440D 7 5 m UD (MPF/SP/FA)





Pressure regulator



Coolant



Air filter attachment



Carriage

Accessories

Art. no.	Designation
1700050	Pressure regulator Argon/CO2, large
1030110	Coolant SKF 15 10l - canister
1499003	Inert gas filter 1/4" thread RH
1060270	Retrofit set torch and hose pack holder
1060271	Retrofit set air filter attachment
1060272	Metal filter cell FA P (2 units per pre-filter)
1060273	Retrofit set toolbox for compact devices
1033667	Trolley for feed case SP²/MA²

Earth cable complete with clamp



Art. no.	Designation
1250270	Ground cable MK4/70 KS13 600A
1250295	Ground cable MK4/95 KS13 600A



Feed rollers

Art. no.	Designation
	Individual feed rollers for solid wire
1063054	Feed roll V 0.6/0.8 mm solid wire 4/2
1063055	Feed roll V 0.8/1.0 mm solid wire 4/2
1063053	Feed roll V 1.0/1.2 mm solid wire 4/2
1063056	Feed roll V 1.2/1.6 mm solid wire 4/2
1063057	Feed roll V 0.9/1.1 mm solid wire 4/2
	Individual feed rollers for tubular wire
1063058	Feed roll R 1.2/1.6 mm tubular wire 4/2
	Individual feed rollers for aluminium wire
1063059	Feed roll A 1.0/1.2 mm aluminium 4/2
1063060	Feed roll A 1.2/1.6 mm aluminium 4/2
1063061	Feed roll A 1.6/2.4 mm aluminium 4/2
	Counterpressure roll
1063066	Counterpressure roll T 1.0 / 1.2 mm solid wire



Intermediate hose packs liquid-cooled

Art. no.	Designation
1065040	ZWIPA MIG/MAG 70 mm² 1.4 m W 12p FA/MA/SP
1065041	ZWIPA MIG/MAG 70 mm² 5 m W 12p FA/MA/SP
1065042	ZWIPA MIG/MAG 70 mm² 10 m W 12p FA/MA/SP
1065043	ZWIPA MIG/MAG 70 mm² 15 m W 12p FA/MA/SP
1065044	ZWIPA MIG/MAG 70 mm² 20 m W 12p FA/MA/SP
1065050	ZWIPA MIG/MAG 95 mm² 1.4 m W 12p FA/MA/SP
1065051	ZWIPA MIG/MAG 95 mm² 5 m W 12p FA/MA/SP
1065052	ZWIPA MIG/MAG 95 mm² 10 m W 12p FA/MA/SP
1065053	ZWIPA MIG/MAG 95 mm² 15 m W 12p FA/MA/SP
1065054	ZWIPA MIG/MAG 95 mm² 20 m W 12p FA/MA/SP

PRO-PULS 300 W / PRO-PULS 400 WS MIG/MAG pulse welding device –
Continuously variable for perfect MIG/MAG welding results

- Performance boost and quality enhancement thanks to digitally controlled MIG/MAG industrial processes
- POWER.PULS: Welding process with great, modular configuration options for steel, stainless steel and aluminium; faster stainless steel welding with TIG-like weld surface; hardly any annealing (electrochemically removable); adjustable heat input; welds with a TIG look with double pulse; over-weldable tack welding; full optimisation for specific application
- POWER.ARC: Excellent arc quality, steady, stable and powerful arc
- ROOT: Spatter-free welding process for thin sheet and root welds with very good gap bridging, assured penetration and significantly higher welding speed for drop welds
- FOCUS.ARC: Welding with short, powerful arc, safe root penetration, particularly deep penetration, safe flank penetration and reduced penetration notches
- Reduces rework by up to 80 percent
- Enhanced quality thanks to better visibility into the process, better control over the arc and fewer errors
- Improved health protection by reducing exposure to grinding dust by up to 80 percent and to welding spray by 100 percent
- SIRIUS user interface with Assist function for simplifying operations in complex processes, easy integration into all systems, production chains and workflows via freely configurable interface with full Industry 4.0 suitability
- Intelligent, resource-saving liquid-cooling unit: centrifugal pump with high delivery capacity, energy management measures the coolant temperature and cools only when required to prolong the service life of all components

SIRIUS | FOCUS.ARC | ENERGY EFFICIENCY by PFC

Compared with legacy welding processes, *FOCUS.ARC technology* bundles the energy at the centre of the arc

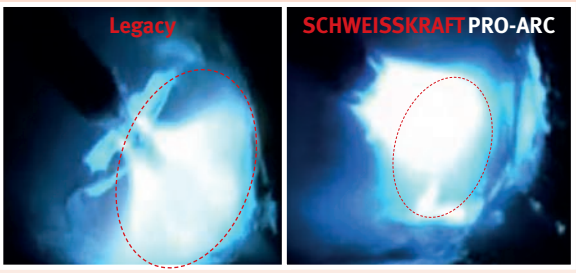
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Digitally controlled welding processes
- Controlled droplet transition
- Controlled short circuit resolution
- Controlled heat application

Reduces rework time
- The amount of re work can be reduced by up to 80 %

Enhanced quality
- Better visibility of the process
- Better control over the arc
- Fewer errors

Improved health protection
- Grinding dust exposure is reduced by up to 80 %
- Welding protection spray exposure can be reduced by up to 100 %



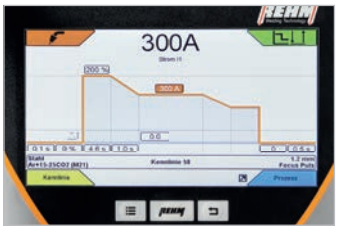
- Heat: 15 % less heat input
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SIRIUS monitor shows you everything at a glance





Optimisation parameters displayed transparently and graphically-dynamically



Display with day and night mode





The focus is on what is relevant: the user can see from a distance which setting they are using

MANY OTHER MODELS AND EXTENSIVE ACCESSORIES AVAILABLE ON REQUEST FROM YOUR SPECIALIST WELDING POWER DEALER!

Model		PRO-PULS 300 W (professional trolley, control panel at bottom)	PRO-PULS 400 WS (professional trolley, control panel at top)
Art. no.		1085530	1085540
Adjusting range			
Setting range MIG/MAG	A	20 – 310	20 – 410
Duty cycle at max. current 40 °C	%	80	80
Current at 100 % DC 40 °C	A	280	370
Power consumption MIG/MAG	kVA	11	16.8
Power factor	cos phi	0.99	0.99
Cooling			
Cooling type		AF	AF
Torch cooling		Water	Water
Water tank volume	l	5	5
Wire feed			
Weldable wires steel	mm	0.8 – 1.2	0.8 – 1.2
Weldable wires stainless steel	mm	0.8 – 1.2	0.8 – 1.2
Weldable wires aluminium	mm	1.0 – 1.2	1.0 – 1.2
Wire feeder	Rollers	4	4
Open circuit voltage	V	89	75
Supply voltage	V	400	400
Mains frequency	Hz	50	50
Dimensions (L x W x H)	mm	930 x 560 x 1 030	930 x 560 x 1 300
Net weight approx.	kg	86	103
Equipment level			
Design		Compact	With wire feed case
Max. gas cylinder volume	l	50	50
Penetration depth stabiliser		✓	✓
Mains voltage compensation		✓	✓
FOCUS.ARC		✓	✓
ROOT		✓	✓
POWER.PULS		✓	✓
POWER.ARC		✓	✓
MIG/MAG method		✓	✓
MMA method		✓	✓





Scope of supply **PRO-ARC 300 W**
- Professional trolley
- Cover flap for control panel

Scope of supply **PRO-ARC 400 WS**
- Professional trolley
- Cover flap for control panel



Torch MIG/MAG liquid-cooled

Art. no.	Designation
1059940	Torch MAG W 340D 3 m
1059941	Torch MAG W 340D 4 m
1059942	Torch MAG W 340D 5 m
1059943	Torch MAG W 440D 3 m
1059944	Torch MAG W 440D 4 m
1059945	Torch MAG W 440D 5 m
1059960	Torch MAG W 340D 7 3 m UD (MPF/SP/FA)
1059961	Torch MAG W 340D 7 4 m UD (MPF/SP/FA)
1059962	Torch MAG W 340D 7 5 m UD (MPF/SP/FA)
1059963	Torch MAG W 440D 7 3 m UD (MPF/SP/FA)
1059964	Torch MAG W 440D 7 4 m UD (MPF/SP/FA)
1059965	Torch MAG W 440D 7 5 m UD (MPF/SP/FA)



Feed rollers

Art. no.	Designation
	Individual feed rollers for solid wire
1063054	Feed roll V 0.6/0.8 mm solid wire 4/2
1063055	Feed roll V 0.8/1.0 mm solid wire 4/2
1063053	Feed roll V 1.0/1.2 mm solid wire 4/2
1063056	Feed roll V 1.2/1.6 mm solid wire 4/2
1063057	Feed roll V 0.9/1.1 mm solid wire 4/2
	Individual feed rollers for tubular wire
1063058	Feed roll R 1.2/1.6 mm tubular wire 4/2
	Individual feed rollers for aluminium wire
1063059	Feed roll A 1.0/1.2 mm aluminium 4/2
1063060	Feed roll A 1.2/1.6 mm aluminium 4/2
1063061	Feed roll A 1.6/2.4 mm aluminium 4/2
	Counterpressure roll
1063066	Counterpressure roll T 1.0 / 1.2 mm solid wire



Pressure regulator



Coolant



Air filter attachment



Carriage

Accessories

Art. no.	Designation
1700050	Pressure regulator Argon/CO2, large
1030110	Coolant SKF 15 10l - canister
1499003	Inert gas filter 1/4" thread RH
1060270	Retrofit set torch and hose pack holder
1060271	Retrofit set air filter attachment
1060272	Metal filter cell FA P (2 units per pre-filter)
1060273	Retrofit set toolbox for compact devices
1033667	Trolley for feed case SP²/MA²



Intermediate hose packs liquid-cooled

Art. no.	Designation
1065040	ZWIPA MIG/MAG 70 mm² 1.4 m W 12p FA/MA/SP
1065041	ZWIPA MIG/MAG 70 mm² 5 m W 12p FA/MA/SP
1065042	ZWIPA MIG/MAG 70 mm² 10 m W 12p FA/MA/SP
1065043	ZWIPA MIG/MAG 70 mm² 15 m W 12p FA/MA/SP
1065044	ZWIPA MIG/MAG 70 mm² 20 m W 12p FA/MA/SP
1065050	ZWIPA MIG/MAG 95 mm² 1.4 m W 12p FA/MA/SP
1065051	ZWIPA MIG/MAG 95 mm² 5 m W 12p FA/MA/SP
1065052	ZWIPA MIG/MAG 95 mm² 10 m W 12p FA/MA/SP
1065053	ZWIPA MIG/MAG 95 mm² 15 m W 12p FA/MA/SP
1065054	ZWIPA MIG/MAG 95 mm² 20 m W 12p FA/MA/SP

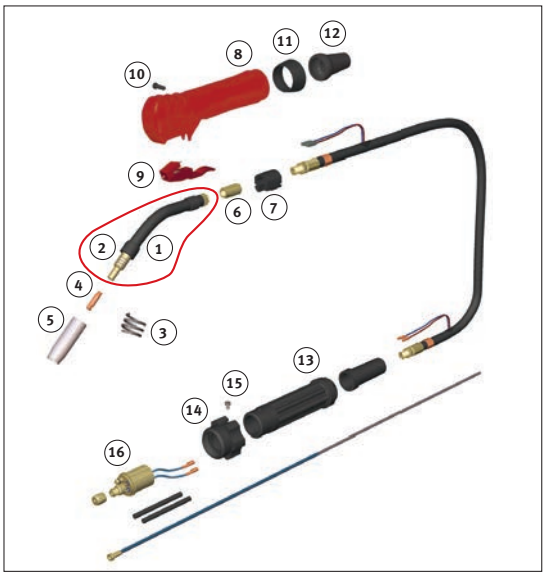
Earth cable complete with clamp



Art. no.	Designation
1250270	Ground cable MK4/70 KS13 600A
1250295	Ground cable MK4/95 KS13 600A

Torch SMB 15 gas cooled





Technical specifications:	
Standards	CE, EN 60 974-7
Cooling type	Mixed gas M21
$I_{max.}$ CO_2	180 A
$I_{max.}$ mixed gas	150 A
Duty cycle	60 %
Wire Ø	0.6 – 1.0 mm
Connection	Euro-ZA
Contact tip	M6
Contact tip initial equipment	Steel, 0.8 mm

Art. no.	
1091503	SMB 15/3 m with pushbutton
1091504	SMB 15/4 m with pushbutton
1091505	SMB 15/5 m with pushbutton
1091513	SMB 15/3 m for aluminium

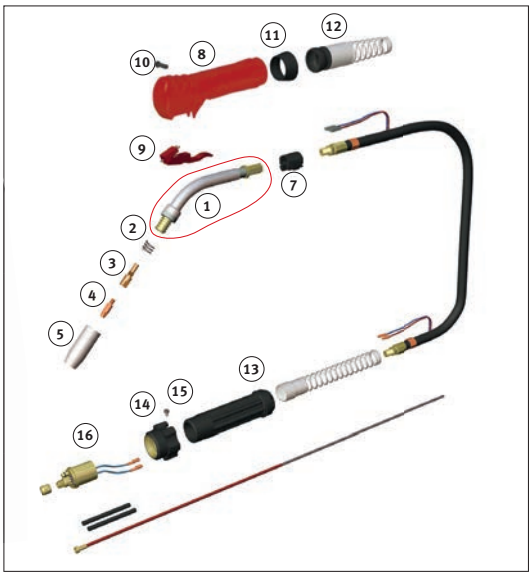
	No.	Art. no.	Designation	Thread	Design	Ø / nominal width	PU (1)	
	1	1091530	Torch swan neck				1	
	2	1091531	Gas tip carrier	M6			10	
	3	1091535	Holding spring				10	
	4	1091540	Contact tip 25 mm	M6		0.6 mm	10	
		1091542	Contact tip 25 mm	M6		0.8 mm	10	
		1091544	Contact tip 25 mm	M6		1.0 mm	10	
		1091547	Contact tip aluminium 25 mm			1.0 mm	10	
	5	1091550	Gas tip		conical	12.0 mm	10	
		1091554	Gas tip		Cylindrical	16.0 mm	10	
		1091552	Spot gas tip				10	
	6	1091591	Adapter MS				10	
	7	1091588	Adapter body black				10	
	8	1091517	Handle shell red				1	
	9	1091518	Pushbutton				1	
	10	1091590	Handle shell screw				10	
	11	1091592	Ring				1	
	12	1091587	Anti-kink protection spring				1	
	13	1091586	Anti-kink protection machine side				1	
	14	1091581	Connection nut				1	
	15	1091589	Connection nut screw				10	
	16	1091582	Centre connector fixed pins				1	
		1091501	**Wear part set SMB 15** *2 x Holding spring* *10 x Contact tip ECu M6 Ø 0.8 mm* *10 x Contact tip ECu M6 Ø 1.0 mm* *1 x Gas tip carrier SMB 15* *2 x Gas tip, conical standard* *1 x Gas tip, cylindrical* *1 x Sorting box*				1	
		1091510	**Torch kit 15/25** Consisting of: torch SMB 15/4 m gas cooled, earth cable 25 mm² 4m, 315 bar Argon/CO2 pressure regulator				1	

Guide spirals/Teflon core see page 26

(1) PU = Quantity in pieces per packaging unit Purchase only possible in PU

Torch SMB 25 gas cooled





Technical specifications:	
Standards	CE, EN 60 974-7
Cooling type	Mixed gas M21
$I_{max.}$ CO_2	230 A
$I_{max.}$ mixed gas	200 A
Duty cycle	60 %
Wire Ø	0.8 – 1.2 mm
Connection	Euro-ZA
Contact tip initial equipment	Steel, 1.0 mm

Art. no.	
1092503	SMB 25/3 m with pushbutton
1092504	SMB 25/4 m with pushbutton
1092505	SMB 25/5 m with pushbutton
1092513	SMB 25/3 m for aluminium

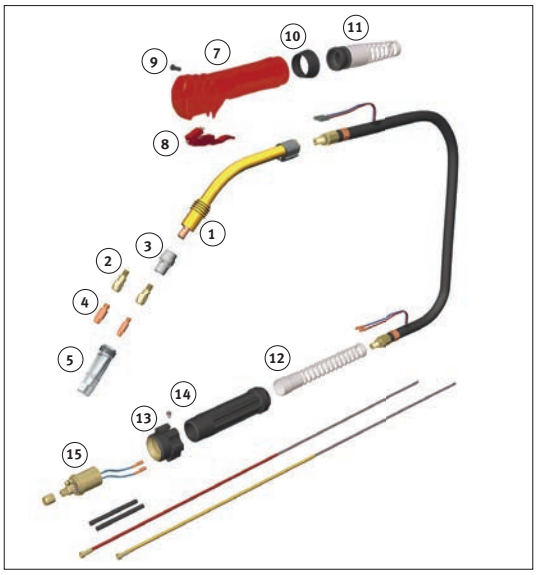
	No.	Art. no.	Designation	Thread	Design	Ø / nominal width	PU (1)	
	1	1092530	Torch swan neck				1	
	2	1092535	Holding spring				10	
	3	1092560	tip assembly				10	
	4	1092542	Contact tip 28 mm	M6		0.8 mm	10	
		1092544	Contact tip 28 mm	M6		1.0 mm	10	
		1092546	Contact tip 28 mm	M6		1.2 mm	10	
		1092548	Contact tip aluminium 28 mm			1.0 mm	10	
		1092549	Contact tip aluminium 28 mm			1.2 mm	10	
	5	1092550	Gas tip		conical	14.5 mm	10	
		1092554	Gas tip		Cylindrical	18.0 mm	10	
		1092552	Spot gas tip				10	
	7	1091588	Adapter body black				10	
	8	1091517	Handle shell red				1	
	9	1091518	Pushbutton				1	
	10	1091590	Handle shell screw				10	
	11	1091592	Ring				1	
	12	1092561	Anti-kink protection spring				1	
	13	1091586	Anti-kink protection machine side				1	
	14	1091581	Connection nut				1	
	15	1091589	Connection nut screw				10	
	16	1091582	Centre connector fixed pins				1	
		1092501	**Wear part set SMB 25** *3x Holding spring* *2x Tip assembly M6/M8/35 mm* *5 x Contact tip M6 0.8 mm* *5 x Contact tip M6 1.0 mm* *2 x Gas tip conical* *1 x Gas tip, cylindrical* *1 x Sorting box*				1	
		1092510	**Torch kit 25/35** Consisting of: torch SMB 25/4 m gas cooled, earth cable 35 mm² 4 m, 315 bar Argon/CO2 pressure regulator				1	

Guide spirals/Teflon core see page 26

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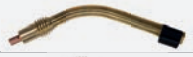
Torch SMB 36 gas cooled





Technical specifications:	
Standards	CE, EN 60 974-7
Cooling type	Mixed gas M21
$I_{max.}$ CO_2	300 A
$I_{max.}$ mixed gas	270 A
Duty cycle	60 %
Wire Ø	0.8 – 1.2 mm
Connection	Euro-ZA
Contact tip	M6
Contact tip initial equipment	0.8 mm

Art. no.	
1093603	SMB 36/3 m with pushbutton
1093604	SMB 36/4 m with pushbutton
1093605	SMB 36/5 m with pushbutton
1093613	SMB 36/3 m for aluminium

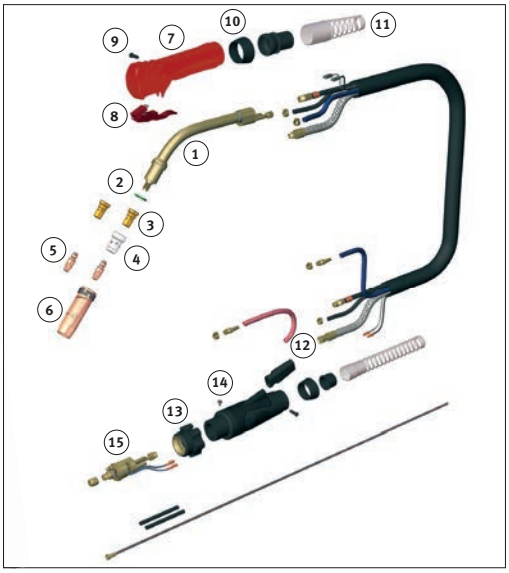
	No.	Art. no.	Designation	Thread	Design	Ø / nominal width	PU (1)	
	1	1093630	Torch swan neck				1	
	2	1093660	tip assembly	M6			10	
	3	1093661	Gas distributor brown S				10	
	4	1092542	Contact tip 28 mm	M6		0.8 mm	10	
		1092544	Contact tip 28 mm	M6		1.0 mm	10	
		1092546	Contact tip 28 mm	M6		1.2 mm	10	
		1092548	Contact tip aluminium 28 mm			1.0 mm	10	
		1092549	Contact tip aluminium 28 mm			1.2 mm	10	
	5	1093650	Gas tip		conical	16.0 mm	10	
		1093651	Gas tip		Cylindrical	19.0 mm	10	
		1091552	Spot gas tip				10	
	7	1091517	Handle shell red				1	
	8	1091518	Pushbutton				1	
	9	1091590	Handle shell screw				10	
	10	1091592	Ring				1	
	11	1092561	Anti-kink protection spring				1	
	12	1091586	Anti-kink protection machine side				1	
	13	1091581	Connection nut				1	
	14	1091589	Connection nut screw				10	
	15	1091582	Centre connector fixed pins				1	
		1093601	**Wear part set SMB 36** *2x Tip assembly M6/M8/35 mm* *3x Gas distributor standard* *5x Contact tip M6-ECu 0.8 mm* *5x Contact tip M6-ECu 1.0 mm* *5x Contact tip M6-ECu 1.2 mm* *4 x Gas tip conical* *1 x Gas tip, cylindrical* *1 x Sorting box*				1	
		1093611	**Torch kit 36/50** Consisting of: torch SMB 36/4 m gas cooled, earth cable 50 mm² 4 m, 315 bar Argon/CO2 pressure regulator				1	

Guide spirals/Teflon core see page 26

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SMB 400 liquid-cooled





Technical specifications:	
Cooling	Liquid-cooled
Inert gas	CO_2, mixed gas
$I_{max.}$ CO_2	400 A
$I_{max.}$ mixed gas	350 A
Duty cycle	100 %
Wire Ø	0.8 – 1.6 mm
Connection	Euro-ZA
Contact tip	M8
Equipment ex works	Wire coil bare

Art. no.	
1094003	SMB 400/3 m with pushbutton
1094004	SMB 400/4 m with pushbutton
1094005	SMB 400/5 m with pushbutton
1094013	SMB 400/3 m for aluminium

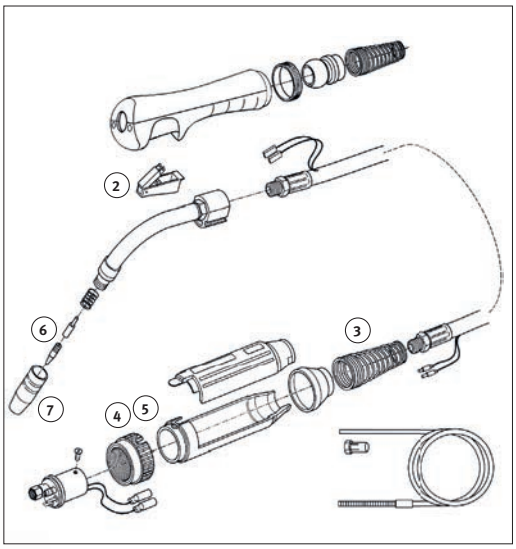
	No.	Art. no.	Designation	Thread	Design	Ø / nominal width	PU (1)
	1	1094030	Torch swan neck				1
	2	1094031	Ring				10
	3	1094060	Tip assembly 25 mm	M8			10
	4	1094061	Gas distributor brown high heat resistance				10
	5	1094042	Contact tip 30 mm	M8		0.8 mm	10
		1094044	Contact tip 30 mm	M8		1.0 mm	10
		1094046	Contact tip 30 mm	M8		1.2 mm	10
		1094048	Contact tip aluminium 30 mm			1.0 mm	10
		1094049	Contact tip aluminium 30 mm			1.2 mm	10
	6	1092650	Gas tip		conical	16 mm	10
		1092654	Gas tip		Cylindrical	19 mm	10
		1092652	Spot gas tip				10
	7	1091517	Handle shell red				1
	8	1091518	Pushbutton				1
	9	1091590	Handle shell screw				10
	10	1091592	Ring				1
	11	1092433	Anti-kink protection spring				1
		1092562	ball joint				1
	12	1092434	Anti-kink protection machine side, complete				1
	13	1091581	Connection nut				1
	14	1091589	Connection nut screw				10
	15	1094082	Centre connector fixed pins				1
		1094001	**Wear part set SMB 400** *2x Tip assembly M8* *2 x ring* *3 x Gas distributor brown high heat resistance* *5x Contact tip M8-ECu 1.0 mm* *10x Contact tip M8-ECu 1.2 mm* *4 x Gas tip conical* *1 x Gas tip, cylindrical* *1 x Sorting box*				1
		1094010	**Torch kit 400/50** Consisting of: torch SMB 400/4 m gas cooled, earth cable 50 mm² 4 m, 315 bar Argon/CO2 pressure regulator				1

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(1) PU = Quantity in pieces per packaging unit Purchase only possible in PU

Torch MB 240 D water-cooled





Technical specifications:	
Cooling	Liquid-cooled
Inert gas	CO_2, mixed gas
$I_{max.}$ CO_2	325 A
$I_{max.}$ mixed gas	300 A
Duty cycle	100%
Wire Ø	0.8 – 1.2 mm
Contact tip	M6

Art. no.	
1052403	Torch MB 240 D/3 m with pushbutton

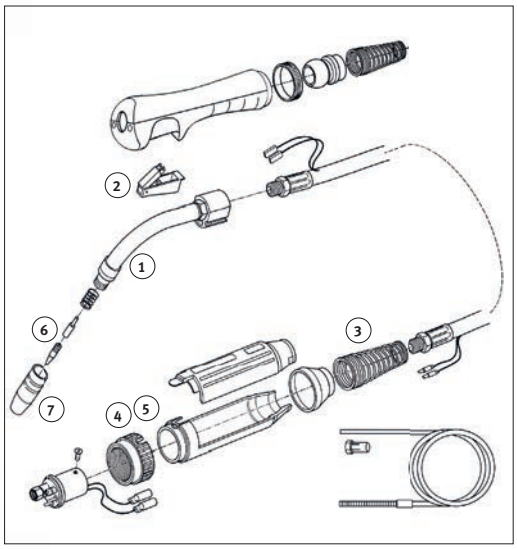
	No.	Art. no.	Designation	Thread	Design	Ø / nominal width	PU (1)	
	2	1051518	Pushbutton	M6			1	
	3	1054028	Anti-kink protection				1	
	4	1051581	Connecting nut				1	
	5	1051585	Union nut	M10			10	
	6	1052542	Contact tip ECu	M6		0.8 mm	10	
		1052544	Contact tip ECu	M6		1.0 mm	10	
		1052546	Contact tip ECu	M6		1.2 mm	10	
		1052547	Contact tip ECu aluminium wire	M6		1.0 mm	10	
		1052549	Contact tip ECu aluminium wire	M6		1.2 mm	10	
	7	1052454	Gas tip		Cylindrical	17.0 mm	10	
		1092400	**Wear part set SMB 24** *1 x Sorting box* *3x Gas distributor* *2x Tip assembly M6 26.0 mm* *10 x Contact tip 0.8 mm* *10 x Contact tip 1.0 mm* *2 x Gas tip conical 12.5 mm* *1x Gas tip, cylindrical 17 mm*					

Guide spirals/Teflon core see page 26

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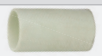
Torch ABIMIG W 340 water-cooled





Technical specifications:	
Load	400 A CO_2
	350 A Mixed gas
	M21 (DIN EN ISO 14175)
Duty cycle	100 %
Wire Ø	0.8 – 1.2 mm

Art. no.	
1059940	Torch W 340D 3 m ABIMIG
1059941	Torch W 340D 4 m ABIMIG
1059942	Torch W 340D 5 m ABIMIG
1059960	Torch W 340D 3 m UD ABIMIG
1059961	Torch W 340D 4 m UD ABIMIG
1059962	Torch W 340D 5 m UD ABIMIG

	No.	Art. no.	Designation	Thread	Design	Ø / nominal width	PU (1)	
		1057020	Spatter guard for gas tip size 10				10	
		1057021	Spatter guard for gas tip size 12.5/17				10	
		1057022	Tip assembly 24 mm	M6/M10			5	
		1057023	Tip assembly 26 mm	M6/M10			5	
	6	1052542	Contact tip ECu	M6		0.8 mm	10	
		1052544	Contact tip ECu	M6		1.0 mm	10	
		1052546	Contact tip ECu	M6		1.2 mm	10	
		1052547	Contact tip ECu aluminium wire	M6		1.0 mm	10	
		1052549	Contact tip ECu aluminium wire	M6		1.2 mm	10	
	7	1057024	Gas tip		conical	10 mm	10	
		1057025	Gas tip		conical	12.5 mm	10	
		1057026	Gas tip		Cylindrical	17 mm	10	

Guide spirals/Teflon core see page 26

(1) PU = Quantity in pieces per packaging unit Purchase only possible in PU

Torch ABIMIG W 440
water-cooled

Technical specifications:	
Load	500 A CO_2
	450 A Mixed gas
	M21 (DIN EN ISO 14175)
Duty cycle	100 %
Wire Ø	0.8 – 1.6 mm

Art. no.	
1059943	Torch W 440D 3 m ABIMIG
1059944	Torch W 440D 4 m ABIMIG
1059945	Torch W 440D 5 m ABIMIG
1059963	Torch W 440D 3 m UD ABIMIG
1059964	Torch W 440D 4 m UD ABIMIG
1059965	Torch W 440D 5 m UD ABIMIG



Torch ABIMIG W 540
water-cooled

Technical specifications:	
Load	600 A CO_2
	550 A Mixed gas
	M21 (DIN EN ISO 14175)
Duty cycle	100 %
Wire Ø	1.0 – 1.6 mm

Art. no.	
1059946	Torch W 540D 3 m ABIMIG
1059947	Torch W 540D 4 m ABIMIG
1059948	Torch W 540D 5 m ABIMIG
1059966	Torch W 540D 3 m UD ABIMIG
1059967	Torch W 540D 4 m UD ABIMIG
1059968	Torch W 540D 5 m UD ABIMIG

	No.	Art. no.	Designation	Thread	Design	Ø / nominal width	PU (1)	
		1054042	Contact tip ECu	M8		0.8 mm	10	
		1054044	Contact tip ECu	M8		1.0 mm	10	
		1054046	Contact tip ECu	M8		1.2 mm	10	
		1057045	Contact tip ECu	M8		1.4 mm	10	
		1054045	Contact tip ECu	M8		1.6 mm	10	
		1054047	Contact tip ECu aluminium wire	M8		1.0 mm	10	
		1054049	Contact tip ECu aluminium wire	M8		1.2 mm	10	
		1057046	Contact tip ECu aluminium wire	M8		1.4 mm	10	
		1057047	Contact tip ECu aluminium wire	M8		1.6 mm	10	

Torch ABIMIG W 440

	No.	Art. no.	Designation	Thread	Design	Ø / nominal width	PU (1)	
		1057040	Spatter guard for gas tip size 12				10	
		1057041	Spatter guard for gas tip size 14.5 & 18				10	
		1057042	Tip assembly 26 mm	M10/M8			5	
		1057043	Tip assembly 28 mm	M10/M8			5	
		1057044	Tip assembly 31 mm	M10/M8			5	
		1057048	Gas tip	M20	conical	12 mm	10	
		1057049	Gas tip	M20	conical	14.5 mm	10	
		1057050	Gas tip	M20	Cylindrical	18 mm	10	

Torch ABIMIG W 540

	No.	Art. no.	Designation	Thread	Design	Ø / nominal width	PU (1)	
		1057070	Spatter guard for gas tip size 14, 16, 18				10	
		1057071	Tip assembly 25 mm	M11/M8			5	
		1057072	Tip assembly 27 mm	M11/M8			5	
		1057073	Gas tip		conical	14 mm	10	
		1057074	Gas tip		conical	16 mm	10	
		1057075	Gas tip		Cylindrical	20 mm	10	

Guide spirals/Teflon core see page 26

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