

# Каталог продукции профессионального использования HELVI

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Россия +7(495)268-04-70

Казахстан +7(727) 345-47-04

Беларусь +(375) 257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [hvi@nt-rt.ru](mailto:hvi@nt-rt.ru) || сайт: <https://helvi.nt-rt.ru/>



**Beta**

SOVICO (Monza Brianza)

**HELVI**

SANDRIGO (Vicenza)

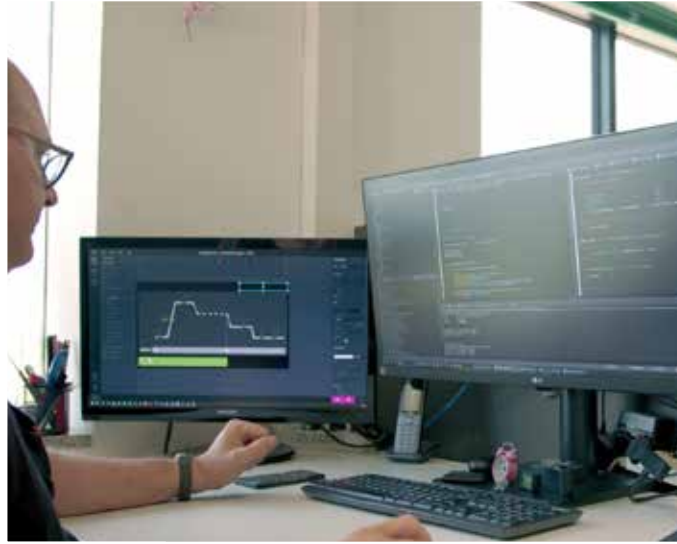


From 1975 to the present day, the story of Helvi S.p.A. is that of an Italian company with a strong international dimension, pursued throughout its growth, from its foundation to its entry into the Beta Group.

Helvi S.p.A. produces industrial welding machines, plasma cutting machines, professional battery chargers and accessories. The headquarter is in Sandrigo, in the province of Vicenza, and today employs more than 80 people, with a turnover of about 15 million euros developed more than 70 percent abroad.

In 2023 it became part of the Beta Group, Europe's leading manufacturer of tools and work equipment for specialists in mechanical engineering, industrial maintenance and auto repair. Reliability is the key factor in our success: those who choose Helvi finds it in our people and in every welding machine, plasma cutting machine or professional battery charger.

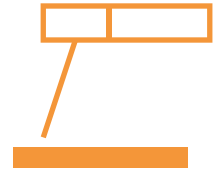
Every component is chosen and tested down to the smallest details, so that they combine perfectly in products designed to guarantee the best performance according to high quality standards.





**MMA · TIG**

# ◉ MMA · TIG



SPARC 120	<b>NEW</b>	1ph · 120A · 230V	PAG. 8
SPARC 160	<b>NEW</b>	1ph · 160A · 230V	PAG. 8
SPARC 200	<b>NEW</b>	1ph · 200A · 230V	PAG. 8
JET 160	<b>NEW</b>	1ph · 160A · 230V	PAG. 10
JET 200	<b>NEW</b>	1ph · 200A · 230V	PAG. 10
GALILEO 160	<b>NEW</b>	1ph · 160A · 230V	PAG. 11
GALILEO 200	<b>NEW</b>	1ph · 200A · 230V	PAG. 11



**NEW**


Easy-to-use welding inverter: great welding performance with all types of commercial electrodes (rutile, basic, stainless steel). Overvoltage, over temperature and anti-sticking control are included. As they are compact and lightweight, they are ideal for home/hobby applications.

	<b>SPARC 120</b>	<b>SPARC 160</b>	<b>SPARC 200</b>
<b>Input Voltage</b>	(1ph) 230V ± 10% · 50/60Hz	(1ph) 230V ± 10% · 50/60Hz	(1ph) 230V ± 10% · 50/60Hz
<b>Max power</b>	<b>4,0 KVA</b>	<b>6,4 KVA</b>	<b>6,7 KW</b>
<b>U<sub>o</sub></b>	<b>60 V</b>	<b>70 V</b>	<b>70 V</b>
<b>Amp. Min-Max</b>	<b>10 ÷ 120 A</b>	<b>10 ÷ 160 A</b>	<b>10 ÷ 200 A</b>
<b>Duty cycle 40°C</b>	<b>120A @ 25% 80A @ 60% 60A @ 100%</b>	<b>160A @ 25% 105A @ 60% 80A @ 100%</b>	<b>200A @ 25% 130A @ 60% 100A @ 100%</b>
<b>Ø Electrode</b>	<b>1,6 ÷ 3,25 mm</b>	<b>1,6 ÷ 4,0 mm</b>	<b>1,6 ÷ 4,0 mm</b>
<b>Electrode type</b>	<b>6013 - 7018</b>	<b>6013 - 7018</b>	<b>6013 - 7018</b>
<b>Insulation</b>	<b>H</b>	<b>H</b>	<b>H</b>
<b>Protection degree</b>	<b>IP22S</b>	<b>IP22S</b>	<b>IP22S</b>
<b>Dimensions (LxWxH)</b>	<b>120 x 300 x 260 mm</b>	<b>120 x 300 x 260 mm</b>	<b>120 x 300 x 260 mm</b>
<b>Net weight</b>	<b>3,8 Kg</b>	<b>4,2 Kg</b>	<b>4,4 Kg</b>
<b>Carton box dimensions</b>	<b>230 x 360 x 280 mm</b>	<b>230 x 360 x 280 mm</b>	<b>230 x 360 x 280 mm</b>
<b>Net weight in carton box</b>	<b>6,0 Kg</b>	<b>7,0 Kg</b>	<b>7,2 Kg</b>
<b>Price</b>			
<b>Carton box KIT part number</b>	<b>99806021</b>	<b>99806022</b>	<b>99806023</b>
<b>Case dimensions</b>	<b>160x400x475 mm</b>	<b>160x400x475 mm</b>	<b>160x400x475 mm</b>
<b>Net weight in case</b>	<b>7,6 Kg</b>	<b>8,6 Kg</b>	<b>8,8 Kg</b>
<b>Price</b>			
<b>Case KIT part number</b>	<b>99806024</b>	<b>99806025</b>	<b>99806026</b>




**NEW**

SPARC 120 · CARTON BOX KIT	
-	Power source · SPARC 120
43210255	Ground cable 10 mm <sup>2</sup> · 1,6 m · 200 A · conn. 25 mm <sup>2</sup>
43205127	Welding cable 10 mm <sup>2</sup> · 2,4 m · 300 A · conn. 25 mm <sup>2</sup>
21905039	Hammer/brush
77005237	Carton box
<b>KIT PART NUMBER · 99806021</b>	

SPARC 160 · CARTON BOX KIT	
-	Power source · SPARC 160
43210256	Ground cable 16 mm <sup>2</sup> · 2,0 m · 200 A · conn. 25 mm <sup>2</sup>
43205128	Welding cable 16 mm <sup>2</sup> · 3,0 m · 300 A · conn. 25 mm <sup>2</sup>
21905039	Hammer/brush
77005237	Carton box
<b>KIT PART NUMBER · 99806022</b>	

SPARC 200 · CARTON BOX KIT	
-	Power source · SPARC 200
43210256	Ground cable 16 mm <sup>2</sup> · 2,0 m · 200 A · conn. 25 mm <sup>2</sup>
43205128	Welding cable 16 mm <sup>2</sup> · 3,0 m · 300 A · conn. 25 mm <sup>2</sup>
21905039	Hammer/brush
77005237	Carton box
<b>KIT PART NUMBER · 99806023</b>	

SPARC 120 · CASE KIT	
-	Power source · SPARC 120
43210255	Ground cable 10mm <sup>2</sup> · 1,6 m · 200 A · conn. 25 mm <sup>2</sup>
43205127	Welding cable 10mm <sup>2</sup> · 2,4 m · 300 A · conn. 25 mm <sup>2</sup>
21905039	Hammer/brush
21690996	Shockproof case
<b>KIT PART NUMBER · 99806024</b>	

SPARC 160 · CASE KIT	
-	Power source · SPARC 160
43210256	Ground cable 16 mm <sup>2</sup> · 2,0 m · 200 A · conn. 25 mm <sup>2</sup>
43205128	Welding cable 16 mm <sup>2</sup> · 3,0 m · 300 A · conn. 25 mm <sup>2</sup>
21905039	Hammer/brush
21690996	Shockproof case
<b>KIT PART NUMBER · 99806025</b>	

SPARC 200 · CASE KIT	
-	Power source · SPARC 200
43210256	Ground cable 16 mm <sup>2</sup> · 2,0 m · 200 A · conn. 25 mm <sup>2</sup>
43205128	Welding cable 16 mm <sup>2</sup> · 3,0 m · 300 A · conn. 25 mm <sup>2</sup>
21905039	Hammer/brush
21690996	Shockproof case
<b>KIT PART NUMBER · 99806026</b>	


**NOVELTIES**

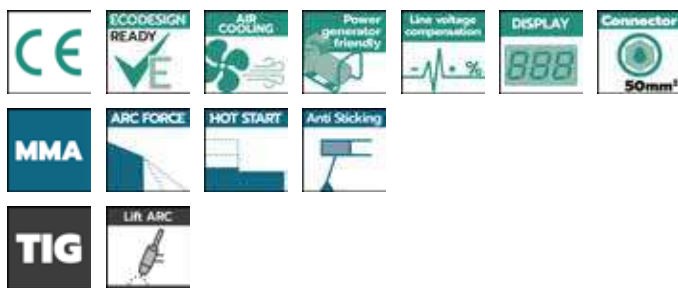
- TIG Lift
- Display
- Shockproof case KIT

JET 160	
Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,4 KVA
U <sub>0</sub>	70 V
Amp. Min-Max	10 ÷ 160 A
Duty cycle 40°C	160A @ 35% 120A @ 60% 100A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	140 x 370 x 280 mm
Net weight	5,2 Kg
Case dimensions	160x400x475 mm
Net weight in case	10,0 Kg
Price	
Case KIT part number	99806027



- NOVELTIES**
- TIG Lift
  - Display
  - Shockproof case KIT

**NEW**



JET 160 · CASE KIT	
-	Power source · JET 160
43210257	Ground cable · 16 mm <sup>2</sup> · 2,0 m · 200 A · conn. 50 mm <sup>2</sup>
43205129	Welding cable · 16 mm <sup>2</sup> · 3,0 m · 300 A · conn. 50 mm <sup>2</sup>
21905039	Hammer/brush
21690996	Shockproof case
<b>KIT PART NUMBER · 99806027</b>	

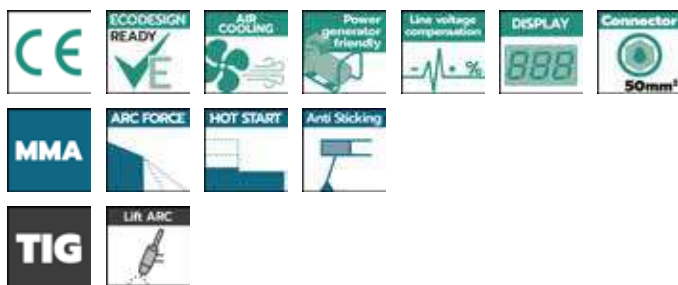
OPTIONAL	
99900099	Arc welding KIT · 25 mm <sup>2</sup> · 3 + 2 mt · conn. 50 mm <sup>2</sup>

JET 200	
Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,7 KVA
U <sub>0</sub>	70 V
Amp. Min-Max	10 ÷ 200 A
Duty cycle 40°C	200A @ 35% 150A @ 60% 120A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	140 x 370 x 280 mm
Net weight	5,4 Kg
Case dimensions	160x400x475 mm
Net weight in case	10,2 Kg
Price	
Case KIT part number	99806028



- NOVELTIES**
- TIG Lift
  - Display
  - Shockproof case KIT

**NEW**



JET 200 · CASE KIT	
-	Power source · JET 200
43210257	Ground cable · 16 mm <sup>2</sup> · 2,0 m · 200 A · conn. 50 mm <sup>2</sup>
43205129	Welding cable · 16 mm <sup>2</sup> · 3,0 m · 300 A · conn. 50 mm <sup>2</sup>
21905039	Hammer/brush
21690996	Shockproof case
<b>KIT PART NUMBER · 99806028</b>	

OPTIONAL	
99900099	Arc welding KIT · 25 mm <sup>2</sup> · 3 + 2 mt · conn. 50 mm <sup>2</sup>

## GALILEO 160

Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,5 KVA
U <sub>o</sub>	70 V
Amp. Min-Max	5 ÷ 160 A
Duty cycle 40°C	160A @ 60% 130A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP23S
Dimensions (LxWxH)	140x370x280 mm
Net weight	6,6 Kg
Power source part number	99806029
Bag dimensions	300x530x345 mm
Net weight in bag	11,3 Kg
Bag KIT part number	99806031



## NOVELTIES

- TIG Lift
- Display
- Heavy duty


GALILEO 160 · BAG KIT + 25 mm<sup>2</sup> KIT

99806029	Power source · GALILEO 160
43210170	Ground cable · 25 mm <sup>2</sup> · 2,0 m · conn. 50 mm <sup>2</sup>
43205097	Welding cable · 25 mm <sup>2</sup> · 3,0 m · conn. 50 mm <sup>2</sup>
21905178K	Helvi bag M · 450x220x270 mm
<b>KIT PART NUMBER · 99806031</b>	

## OPTIONAL

99900099	Arc welding KIT · 25 mm <sup>2</sup> · 3 + 2 mt · conn. 50 mm <sup>2</sup>
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## GALILEO 200

Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,9 KVA
U <sub>o</sub>	70 V
Amp. Min-Max	5 ÷ 200 A
Duty cycle 40°C	200 @ 50% 160A @ 60% 140A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP23S
Dimensions (LxWxH)	140 x 370 x 280 mm
Net weight	7,0 Kg
Power source part number	99806030
Bag dimensions	300x530x345 mm
Net weight in bag	11,7 Kg
Bag KIT part number	99806032



## NOVELTIES

- TIG Lift
- Display
- Heavy duty


GALILEO 200 · BAG KIT + 25 mm<sup>2</sup> KIT

99806030	Power source · GALILEO 200
43210170	Ground cable · 25 mm <sup>2</sup> · 2,0 m · conn. 50 mm <sup>2</sup>
43205097	Welding cable · 25 mm <sup>2</sup> · 3,0 m · conn. 50 mm <sup>2</sup>
21905178K	Helvi bag M · 450x220x270 mm
<b>KIT PART NUMBER · 99806032</b>	

## OPTIONAL

99900099	Arc welding KIT · 25 mm <sup>2</sup> · 3 + 2 mt · conn. 50 mm <sup>2</sup>
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**TIG DC HF · TIG AC/DC HF**

# ○ TIG DC HF · TIG AC/DC HF



<b>GALILEO TIG 219 HF</b>	1ph · 200A · 230V	<b>PAG. 14</b>
<b>GALILEO TIG 211 EASY AC/DC</b>	1ph · 200A · 230V	<b>PAG. 15</b>



**GALILEO TIG 219 HF**

<b>Input voltage</b>	(1ph) 230V ± 10% · 50/60Hz	
	<b>TIG</b>	<b>MMA</b>
<b>Power 60%</b>	4,2 KW	5,3 KW
<b>U<sub>o</sub></b>	64 V	64 V
<b>Amp. Min-Max</b>	5 ÷ 200 A	5 ÷ 160 A
<b>Duty cycle 40°C</b>	200A @ 20% 115A @ 60% 90A @ 100%	160A @ 20% 95A @ 60% 75A @ 100%
<b>Ø Electrode</b>	-	1,6 ÷ 4 mm
<b>Electrode type</b>	-	6013 - 7018
<b>Insulation</b>	H	
<b>Protection degree</b>	IP23S	
<b>Dimensions (LxWxH)</b>	140x400x245 mm	
<b>Box dimensions (LxWxH)</b>	175x510x290 mm	
<b>Weight gross/net</b>	8,8 / 8,2 Kg	
<b>Power source part number</b>	99806005	
<b>Bag dimensions (LxWxH)</b>	300x620x325 mm	
<b>Gross/net weight in bag</b>	15,8 / 14,7 Kg	
<b>Bag KIT part number</b>	99806007	

Easy-to-use in TIG welding with HF start. Model 219HF: all main welding parameters can be adjusted by the user: in TIG welding, 2stroke or 4stroke mode, pre-gas, up-slope time, pulsation frequency, basic current, down-slope time, crater filler current, post-gas. Equipped with a digital ammeter for displaying the welding current and presetting all parameters.



<b>GALILEO TIG 219 HF · BAG XL KIT + KIT 25 mm²</b>	
<b>99806005</b>	Power source · Galileo TIG 219 HF
<b>23020157</b>	TIG torch ExperTig 26 · 50 mm² · 4 m · 3 pin
<b>43210170</b>	Ground cable · 25 mm² · 2,0 m · conn. 50 mm²
<b>30900030</b>	Gas hose KIT · 2 m
<b>21905133</b>	T010 · TIG welding gloves · Size 10
<b>21905139K</b>	Helvi Bag XL · 540 x 225 x 250 mm
<b>KIT part number · 99806007</b>	



**GALILEO TIG 211 EASY AC/DC**

<b>Alimentazione</b>	(1ph) 110V ± 10% · 50/60Hz			(1ph) 230V ± 10% · 50/60Hz		
	TIG		MMA	TIG		MMA
<b>Power 60%</b>	DC	AC	DC	DC	AC	DC
<b>U<sub>0</sub></b>	2 KW	2 KW	2,2 KW	2,3 KW	2,5 KW	4 KW
<b>Amp. Min-Max</b>	45 V	45 V	45 V	45 V	45 V	45 V
<b>Duty cycle 40°C</b>	5 ÷ 140 A	10 ÷ 140 A	5 ÷ 100 A	5 ÷ 200 A	10 ÷ 200 A	5 ÷ 170 A
<b>Ø Electrode</b>	140A 40%	140A 40%	100A 35%	200A 25%	200A 30%	170A 30%
<b>Electrode type</b>	110A 60%	110A 60%	75A 60%	130A 60%	140A 60%	120A 60%
<b>Insulation</b>	85A 100%	85A 100%	60A 100%	100A 100%	110A 100%	90A 100%
<b>Protection degree</b>	-	-	1,6 ÷ 2,5 mm	-	-	1,6 ÷ 5 mm
<b>Dimensions (LxWxH)</b>	-	-	6013 - 7018	-	-	6013 - 7018
<b>Box dimensions (LxWxH)</b>	H					
<b>Weight gross/net</b>	IP23S					
<b>Power source part number</b>	195x490x395 mm					
<b>KIT box dims. (LxWxH)</b>	300x640x455 mm					
<b>KIT gross/net weight</b>	12,0 / 11,2 Kg					
<b>KIT part number</b>	99806020					
<b>KIT gross/net weight</b>	340x630x460 mm					
<b>KIT part number</b>	21,2 / 19,6 Kg					
<b>KIT part number</b>	99806020K					

New inverter Power generator single-phase designed for AC TIG aluminium welding and DC TIG welding for steel. Arc striking with HF or LIFT ARC mode. MMA mode also available. Thanks to the inverter technology and microprocessors, the welding process is controlled at all times, guaranteeing excellent welding dynamics and optimal arc ignition. Thanks to the FLEX-LINE function, the device automatically recognizes the value of the input power supply (110V or 220V). Equipped with the PFC function, which ensures high efficiency of the unit and allows to weld with high currents and low consumptions. The GALILEO TIG EASY 211 AC/DC is equipped with an easy-to-use and intuitive control panel. 3 welding modes available: TIG AC, TIG DC e STICK (MMA).

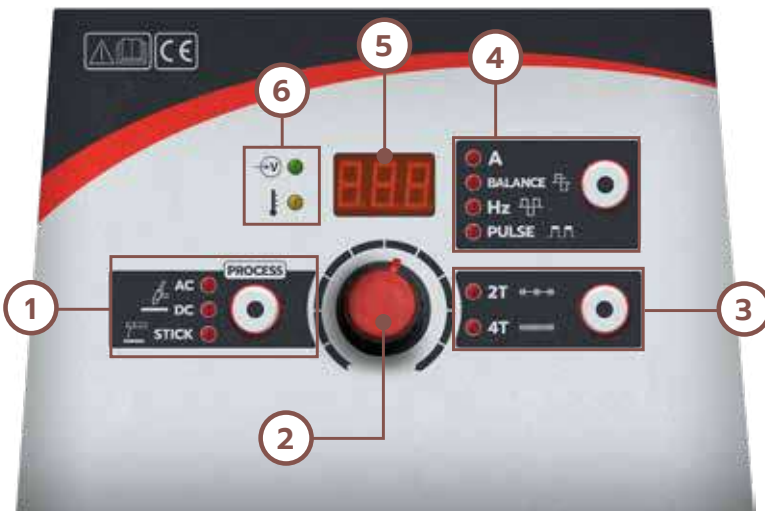


GALILEO TIG 211 EASY AC/DC · KIT	
99806020	Power source · Galileo TIG 211 Easy AC/DC
23020410	TIG torch · Tig 26 · 4 m · 50 mm <sup>2</sup> · 12 pins
43210170	Ground cable · 25 mm <sup>2</sup> · 2 m · conn. 50 mm <sup>2</sup>
30900030	Gas hose KIT · 2 m
<b>KIT part number · 99806020K</b>	

INCLUDED	
22105166	Connector · 12 pin · Male (for TIG torch)

OPTIONAL	
23020410	TIG torch 26 · 12 pins · 4m
43210170K	Ground cable · 25 mm <sup>2</sup> · 2 m
99900258	Trolley
99810021	Foot remote control · 12 pins · 5 m

**CONTROL PANEL**



- 1 TIG AC / TIG DC / MMA Selection
- 2 Regulation knob
- 3 2T/4T selection
- 4 TIG Parameters adjustment: AC Balance · AC Frequency · Pulse
- 5 Digital Display. Before welding: shows pre-set value. During welding: shows welding current.
- 6 LED: Power · thermal protection · over current



# MULTIPROCESS

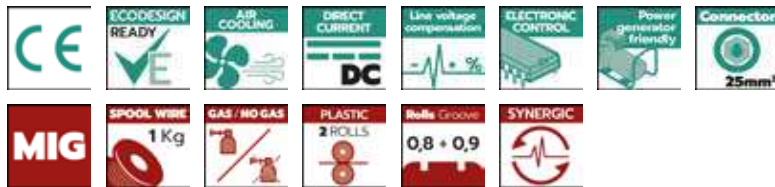
# MULTIPROCESS



mini FOX 161	1ph · 150A · 230V	PAG. 18
FOX 165	1ph · 150A · 230V	PAG. 18
FOX 185	1ph · 170A · 230V	PAG. 19
FOX 191	1ph · 180A · 230V	PAG. 20
FOX 211	1ph · 200A · 230V	PAG. 20
PUMA 191	1ph · 180A · 230V	PAG. 22
PUMA 256	1ph · 250A · 230V	PAG. 22
PUMA 278	3ph · 250A · 400V	PAG. 23
PUMA 298	3ph · 290A · 400V	PAG. 23

**mini FOX 161**

Input power	(1ph) 230V ± 10% · 50/60Hz
Power 60%	2 KW
U <sub>o</sub>	26 V
Amp. Min-Max	10 ÷ 150 A
Duty cycle 40°C	150A @ 20% 90A @ 60% 70A @ 100%
Steel	0,8 Ø mm
Flux core	0,9 Ø mm
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	190x370x335 mm
Box dimensions (LxWxH)	250x580x355 mm
Gross/net weight	10,0 / 9,2 Kg
Part number	99820060


**INCLUDED**

23000142K	MIG torch (Fixed) · 10 mm² · 2 m
43210234	Ground cable · 10 mm² · 2 m
21910116	Flux core wire reel · 0,5 Kg · Ø 0,9 mm
33805074	Drive roll · Ø 25 mm · 0,6 ÷ 0,8/0,9 mm Knurled
30900030	Gas hose KIT · 2 m
21905039	Hammer-brush

**FOX 165**

Input power	(1ph) 230V ± 10% · 50/60Hz	
Power 60%	1,9 KVA	
U <sub>o</sub>	<b>MIG</b> 70 V	<b>MMA</b> 70 V
Amp. Min-Max	25 ÷ 150 A	20 ÷ 150 A
Duty cycle 40°C	150A @ 25% 95A @ 60% 75A @ 100%	150A @ 20% 85A @ 60% 65A @ 100%
Steel	0,8 Ø mm	-
Flux core	0,9 Ø mm	-
Ø Electrode	-	1,6 ÷ 3,25 Ø mm
Electrode type	-	6013 - 7018 - CrNi
Insulation	H	
Protection degree	IP22S	
Dimensions (LxWxH)	220x480x385 mm	
Box dimensions (LxWxH)	260x590x435 mm	
Gross/net weight	12,0 / 10,5 Kg	
Part number	99820050	


**INCLUDED**

23000132	MIG torch · 10 mm² · 2,7 m
43210229	Ground cable · 16 mm² · 2 m
21910116	Flux core wire reel · 0,5 Kg · Ø 0,9 mm
33805074	Drive roll · Ø 25 mm · 0,6 ÷ 0,8/0,9 mm Knurled
30900030	Gas hose KIT · 2 m

**OPTIONAL**

99900171A	Trolley
43205028K	MMA welding cable · 16 mm² · 3 m

**FOX 185**

Input voltage	(1ph) 115V · 50/60Hz			(1ph) 230V · 50/60Hz		
Power 60%	1,9 KVA			2,8 KVA		
	MIG	MMA	TIG	MIG	MMA	TIG
U <sub>0</sub>	60 V	80 V	9,5 V	60 V	80 V	9,5 V
Amp. Min-Max	25 ÷ 120 A	20 ÷ 100 A	5 ÷ 110 A	25 ÷ 170 A	20 ÷ 170 A	5 ÷ 170 A
Duty cycle 40°C	120A 40% 100A 60% 75A 100%	100A 40% 85A 60% 65A 100%	110A 40% 90A 60% 70A 100%	170A 25% 110A 60% 85A 100%	170A 25% 110A 60% 85A 100%	170A 25% 110A 60% 85A 100%
Steel	0,6 ÷ 0,8 Ø mm					
Stainless steel	0,8 Ø mm					
Aluminum	0,8 ÷ 1,0 Ø mm					
Flux core	0,9 Ø mm					
CuSi <sub>3</sub>	0,8 Ø mm					
Ø Electrode	1,6 ÷ 3,25 Ø mm					
Electrode type	6013 - 7018 - CrNi					
Insulation	H					
Protection degree	IP22S					
Dim. (LxWxH)	220x480x385 mm					
Box dimensions	260x590x435 mm					
Gross/net weight	16 / 12 Kg					
Part number	99820039A					



**INCLUDED**

23000491	MIG torch 15 · Euro connection · 3 m
43210138	Ground cable · 16 mm <sup>2</sup> · 2 m
21910108	Wire reel · Steel SG2 · 1,0 Kg · Ø 0,8 mm
33805003	Drive roll · Ø 30 mm · 0,6 ÷ 0,8 mm
30900030	Gas hose KIT · 2 m

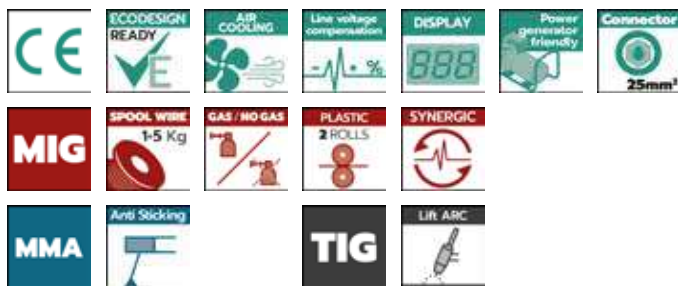
**OPTIONAL**

99900171A	Trolley
43205028K	MMA welding cable · 16 mm <sup>2</sup> · 3 m
23020173	TIG torch · Tig 17V · 4 m · with gas valve



**FOX 191**

Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	<b>2,4 KW</b>	<b>2,8 KW</b>	<b>2,8 KW</b>
U <sub>o</sub>	<b>70 V</b>	<b>70 V</b>	<b>70 V</b>
Amp. Min-Max	<b>25 ÷ 180 A</b>	<b>20 ÷ 180 A</b>	<b>5 ÷ 180 A</b>
Duty cycle 40°C	<b>180A @ 20%</b> <b>105A @ 60%</b> <b>75A @ 100%</b>	<b>180A @ 20%</b> <b>105A @ 60%</b> <b>75A @ 100%</b>	<b>200A @ 35%</b> <b>150A @ 60%</b> <b>120A @ 100%</b>
Steel	<b>0,6 ÷ 1,0 Ø mm</b>	-	-
Stainless steel	<b>0,8 ÷ 1,0 Ø mm</b>	-	-
Aluminium	<b>0,8 ÷ 1,0 Ø mm</b>	-	-
Flux core	<b>0,9 Ø mm</b>	-	-
Ø Electrode	-	<b>1,6 ÷ 4,0 Ø mm</b>	-
Electrode type	-	<b>6013 - 7018 - CrNi</b>	-
Insulation	<b>H</b>		
Protection degree	<b>IP22S</b>		
Dimensions (LxWxH)	<b>220x480x385 mm</b>		
Box dimensions (LxWxH)	<b>260x590x435 mm</b>		
Gross/net weight	<b>12,5 / 10,5 Kg</b>		
Part number	<b>99820052</b>		


**INCLUDED**

<b>23000491</b>	MIG torch 15 · Euro connection · 3 m
<b>43210138</b>	Ground cable · 16 mm <sup>2</sup> · 2 m
<b>21910116</b>	Flux core wire reel · 0,5 Kg · Ø 0,9 mm
<b>33805023</b>	Drive roll · Ø 30 mm · 0,6 ÷ 0,8/0,9 mm
<b>30900030</b>	Gas hose KIT · 2 m

**OPTIONAL**

<b>99900171A</b>	Trolley
<b>23020173</b>	TIG torch · Tig 17V · 4 m · with gas valve
<b>43205028K</b>	MMA welding cable · 16 mm <sup>2</sup> · 3 m

**FOX 211**

Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	<b>5,5 KVA</b>		
U <sub>o</sub>	<b>35 V</b>	<b>65 V</b>	<b>65 V</b>
Amp. Min-Max	<b>20 ÷ 200 A</b>	<b>5 ÷ 200 A</b>	<b>5 ÷ 200 A</b>
Duty cycle 40°C	<b>200A @ 35%</b> <b>160A @ 60%</b> <b>140A @ 100%</b>	<b>200A @ 35%</b> <b>150A @ 60%</b> <b>120A @ 100%</b>	<b>200A @ 35%</b> <b>150A @ 60%</b> <b>120A @ 100%</b>
Steel	<b>0,6 ÷ 1,0 Ø mm</b>	-	-
Stainless steel	<b>0,8 Ø mm</b>	-	-
Aluminium	<b>0,8 ÷ 1,0 Ø mm</b>	-	-
Flux core	<b>0,9 Ø mm</b>	-	-
CuSi <sub>3</sub>	<b>0,8 Ø mm</b>	-	-
Ø Electrode	-	<b>1,6 ÷ 5,0 Ø mm</b>	-
Electrode type	-	<b>6013 - 7018 - CrNi</b>	-
Insulation	<b>H</b>		
Protection degree	<b>IP22S</b>		
Dimensions (LxWxH)	<b>220x520x385 mm</b>		
Box dimensions (LxWxH)	<b>260x640x435 mm</b>		
Gross/net weight	<b>23 / 19 Kg</b>		
Part number	<b>99820053A</b>		


**INCLUDED**

<b>23000494</b>	MIG torch ErgoPlus 25 · Euro connection · 3 m
<b>43210132</b>	Ground cable · 25 mm <sup>2</sup> · 3 m
<b>33805101</b>	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
<b>30900030</b>	Gas hose KIT · 2 m

**OPTIONAL**

<b>99900171A</b>	Trolley
<b>23020199</b>	TIG torch · Tig 26V · 4 m
<b>43205049K</b>	MMA welding cable · 16 mm <sup>2</sup> · 3 m

## OPTIONAL FOR FOX RANGE

### OPTIONAL "EASY GAS"

	<b>22905118</b>	Pressure regulator Micro 130 bar · no manometer
	<b>04600404</b>	Gas bottle plastic support
	<b>21900001</b>	Disposable gas bottles CO <sub>2</sub>
	<b>21900002</b>	Disposable gas bottles Argon
	<b>21900003</b>	Disposable gas bottles Argon CO <sub>2</sub>
	<b>99900171A</b>	Trolley

### OPTIONAL "FULL GAS"

<b>99900258A</b>	Trolley HD AIR



**PUMA 191**

Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	2,3 KVA		
U <sub>o</sub>	MIG 70 V	MMA 70 V	TIG 70 V
Amp. Min-Max	25 ÷ 180 A	20 ÷ 180 A	5 ÷ 180 A
Duty cycle 40°C	180A @ 20% 105A @ 60% 75A @ 100%	180A @ 20% 105A @ 60% 75A @ 100%	180A @ 20% 105A @ 60% 75A @ 100%
Steel	0,6 ÷ 0,8 Ø mm	-	-
Stainless steel	0,8 Ø mm	-	-
Aluminium	0,8 ÷ 1,0 Ø mm	-	-
Flux core	0,9 Ø mm	-	-
CuSi <sub>3</sub>	0,8 Ø mm	-	-
Ø Electrode	-	1,6 ÷ 3,25 Ø mm	-
Electrode type	-	6013 - 7018 - CrNi	-
Insulation	H		
Protection degree	IP22S		
Dimensions (LxWxH)	460x770x660 mm		
Box dimensions (LxWxH)	360x795x530 mm		
Gross/net weight	37 / 33 Kg		
Power source part number	99820065		

KIT Part number	99820065K
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**PUMA 191 · KIT VERSION**

99820065	Power source · Puma 191 (no accessories)
23000491	MIG torch MIG 15 · Euro connection · 3 m
43210138	Ground cable · 16 mm <sup>2</sup> · 2 m
33805003	Drive roll · Ø 30 mm · 0,6 ÷ 0,8 mm

**KIT PART NUMBER · 99820065K**
**OPTIONAL**

23020173	TIG Torch · Tig 17V · 4 m
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**PUMA 256**

Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	5,6 KW	5,6 KW	5,6 KW
U <sub>o</sub>	30 V	56 V	10 V
Amp. Min-Max	30 ÷ 250A	20 ÷ 200 A	10 ÷ 250 A
Duty cycle 40°C	250A @ 30% 190A @ 60% 170A @ 30%	200A @ 30% 170A @ 60% 150A @ 100%	250A @ 30% 190A @ 60% 170A @ 100%
Steel	0,8 ÷ 1,0 Ø mm		
Stainless steel	0,8 ÷ 1,0 Ø mm		
Aluminium	1,0 ÷ 1,2 Ø mm		
Flux core	1,0 ÷ 1,2 Ø mm		
CuSi <sub>3</sub>	0,8 Ø mm		
Ø Electrode		1,6 ÷ 4 Ø mm	
Electrode type		6013 - 7018	
Insulation	H		
Protection degree	IP23S		
Dimensions (LxWxH)	450x840x710 mm		
Box dimensions (LxWxH)	365x895x650 mm		
Gross/net weight	32 / 30 Kg		
Power source part number	99820061		

KIT Part number	99820061K
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**PUMA 256 · KIT VERSION**

99820061	Power source · Puma 256 (no accessories)
23000494	MIG Torch MIG 25 · Euro connection · 3 m
43210253	Ground cable · 25 mm <sup>2</sup> · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
22905049	Pressure regulator · mini CO <sub>2</sub> /Argon · 2 manometers
22910014	Adaptor for gas bottle

**KIT PART NUMBER · 99820061K**
**OPTIONAL**

23020199	TIG Torch · Tig 26V · 4 m
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**PUMA 278**

Input power	(3ph) 400V ± 10% · 50/60Hz
	MIG
Power 60%	4,8 KW
U <sub>o</sub>	30 V
Amp. Min-Max	30 ÷ 250A
Duty cycle 40°C	250A @ 35% 190A @ 60% 150A @ 100%
Steel	0,8 ÷ 1,0 Ø mm
Stainless steel	0,8 ÷ 1,0 Ø mm
Aluminium	1,0 ÷ 1,2 Ø mm
Flux core	1,0 ÷ 1,2 Ø mm
CuSi <sub>3</sub>	0,8 Ø mm
Insulation	H
Protection degree	IP23S
Dimensions (LxWxH)	450x840x710 mm
Box dimensions (LxWxH)	365x895x650 mm
Gross/net weight	32 / 30 Kg
Power source part number	99825017A

KIT Part number	99825017KA
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**PUMA 278 · KIT VERSION**

99825017A	Power source · Puma 278 (no accessories)
23000494	MIG Torch 25 · Euro Connection · 3 m
43210253	Ground cable · 25 mm <sup>2</sup> · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
22905049	Pressure regulator · mini CO <sub>2</sub> /Argon · 2 manometers
22910014	Adaptor for gas bottle

**KIT PART NUMBER · 99825017KA**



**PUMA 298**

Input power	(3ph) 400V ± 10% · 50/60Hz		
	MIG	MMA (rutile only)	TIG
Power 60%	6 KW	6 KW	5,8 KW
U <sub>o</sub>	35 V	54 V	54 V
Amp. Min-Max	30 ÷ 290A	20 ÷ 250 A	10 ÷ 290 A
Duty cycle 40°C	290A @ 35% 220A @ 60% 170A @ 100%	250A @ 35% 190A @ 60% 150A @ 100%	290A @ 35% 220A @ 60% 170A @ 100%
Steel	0,8 ÷ 1,0 Ø mm		
Stainless steel	0,8 ÷ 1,0 Ø mm		
Aluminium	1,0 ÷ 1,2 Ø mm		
Flux core	1,0 ÷ 1,2 Ø mm		
CuSi <sub>3</sub>	0,8 Ø mm		
Ø Electrode		1,6 ÷ 5 Ø mm	
Electrode type		6013 rutile	
Insulation	H		
Protection degree	IP23S		
Dimensions (LxWxH)	450x840x710 mm		
Box dimensions (LxWxH)	365x895x650 mm		
Gross/net weight	37 / 35 Kg		
Power source part number	99825016		

KIT Part number	99825016K
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**PUMA 298 · KIT VERSION**

99825016	Power source · Puma 298 (no accessories)
23000494	MIG Torch MIG 25 · Euro connection · 3 m
43210254	Ground cable · 35 mm <sup>2</sup> · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
22905049	Pressure regulator · mini CO <sub>2</sub> /Argon · 2 manometers
22910014	Adaptor for gas bottle

**KIT PART NUMBER · 99825016K**



**OPTIONAL**

23020199	Torgia TIG · Tig 26V · 4 m
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# PLASMA CUTTING

# ◦ PLASMA CUTTING



PC 33	1ph · 28A · 230V	PAG. 26
PC 43	1ph · 40A · 230V	PAG. 26
COMBI PC 302K	1ph · 30A · 230V	PAG. 27



<b>PC 33</b>	
<b>Plasma torch</b>	<b>PT40</b>
<b>Input voltage</b>	(1ph) 230V ± 10% · 50/60Hz
<b>Power 60%</b>	<b>2,8 KVA</b>
<b>U<sub>o</sub></b>	<b>310 V</b>
<b>Amp Min-Max</b>	<b>12 ÷ 28 A</b>
<b>Duty cycle 40°C</b>	<b>28A @ 30%</b> <b>12A @ 100%</b>
<b>Severance</b>	<b>10 mm</b>
<b>Quality cutting</b>	<b>8 mm</b>
<b>Air pressure</b>	<b>4 - 5 bar</b>
<b>Air capacity</b>	<b>100 l/min</b>
<b>Insulation</b>	<b>H</b>
<b>Protection degree</b>	<b>IP22S</b>
<b>Dimensions (LxWxH)</b>	<b>155x430x320 mm</b>
<b>Box dimensions (LxWxH)</b>	<b>260x560x355 mm</b>
<b>Gross/net weight</b>	<b>10,6 / 9,7 kg</b>
<b>Part number</b>	<b>99830024</b>

The Plasma, based on Inverter technology, guarantees accurate and clean plasma cut up to 8 mm thickness. Easy to handle and operate, this system is suitable for cutting thin materials at high speed. The front panel is provided with clear and simple graphics for the adjustment of the cutting current and to indicate the intervention of any of the internal safety devices. Extra operator protection is provided by a special Start system. It is well suited for auto body repair shops, air conditioning systems and general plate working.



<b>INCLUDED</b>	
<b>23010070</b>	Plasma torch · PT40 · 4 m
<b>43210150</b>	Ground cable · 6 mm <sup>2</sup> · 4 m

<b>CONSUMABLE KIT INCLUDED</b>	
<b>23015186</b>	Contact tip · Ø 0,8 mm · 20 - 30 A
<b>23015189</b>	Contact tip · Ø 0,65 mm · 10 - 20 A
<b>23015187</b>	Electrode



<b>PC 43</b>	
<b>Plasma torch</b>	<b>PT40</b>
<b>Input voltage</b>	(1ph) 230V ± 10% · 50/60Hz
<b>Power 60%</b>	<b>3,3 KVA</b>
<b>U<sub>o</sub></b>	<b>350 V</b>
<b>Amp Min-Max</b>	<b>15 ÷ 40 A</b>
<b>Duty cycle 40°C</b>	<b>40A @ 20%</b> <b>25A @ 60%</b> <b>20A @ 100%</b>
<b>Severance</b>	<b>15 mm</b>
<b>Quality cutting</b>	<b>13 mm</b>
<b>Air pressure</b>	<b>4 - 5 bar</b>
<b>Air capacity</b>	<b>100 l/min</b>
<b>Insulation</b>	<b>H</b>
<b>Protection degree</b>	<b>IP22S</b>
<b>Dimensions (LxWxH)</b>	<b>155x430x320 mm</b>
<b>Box dimensions (LxWxH)</b>	<b>260x560x355 mm</b>
<b>Gross/net weight</b>	<b>11,8 / 10,8 kg</b>
<b>Part number</b>	<b>99830019</b>

The Plasma, based on Inverter technology, guarantees accurate and clean plasma cut up to 8 mm thickness. Easy to handle and operate, this system is suitable for cutting thin materials at high speed. The front panel is provided with clear and simple graphics for the adjustment of the cutting current and to indicate the intervention of any of the internal safety devices. Extra operator protection is provided by a special Start system. It is well suited for auto body repair shops, air conditioning systems and general plate working.



<b>INCLUDED</b>	
<b>23010070</b>	Plasma torch · PT40 · 4 m
<b>43210150</b>	Ground cable · 6 mm <sup>2</sup> · 4 m

<b>CONSUMABLE KIT INCLUDED</b>	
<b>23015224</b>	Contact tip · Ø 0,9 mm · 30 - 40 A
<b>23015186</b>	Contact tip · Ø 0,8 mm · 20 - 30 A
<b>23015189</b>	Contact tip · Ø 0,65 mm · 10 - 20 A
<b>23015187</b>	Electrode



**PC COMBI 302K**

<b>Plasma torch</b>	<b>PT40C</b>	
<b>Input voltage</b>	(1ph) 230V ± 10% · 50/60Hz	
<b>Power 60%</b>	2,5 / 3 KVA	
<b>U<sub>o</sub></b>	310 V	
	<b>Internal compressor</b>	<b>External air</b>
<b>Amp Min-Max</b>	12 ÷ 25 A	12 ÷ 28 A
<b>Duty cycle 40°C</b>	25A @ 40% 12A @ 100%	28A @ 30% 12A @ 100%
<b>Severance</b>	8 mm	10 mm
<b>Air pressure</b>	-	4,5 bar
<b>Air capacity</b>	-	100 l/min
<b>Insulation</b>	H	
<b>Protection degree</b>	IP22S	
<b>Dimensions (LxWxH)</b>	200x435x395 mm	
<b>Box dimensions (LxWxH)</b>	290x560x400 mm	
<b>Gross/net weight</b>	20,4 / 19 kg	
<b>Part number</b>	99830015	

Plasma cutting systems based on inverter technology with internal compressor. Portable, single-phase, microprocessor-controlled and equipped with pneumatic torch without HF. Easily used even at some distance from a compressed air source, they produce quality cutting on all conductor materials such as steel, stainless steel, aluminium, copper, brass, etc. Suitable for lightweight and heavy bodywork, maintenance of large installations, air conditioning systems, shipyards and metalwork in general.



**INCLUDED**

<b>23010067</b>	Plasma torch · PT40C · 4 m
<b>43210150</b>	Ground cable · 6 mm <sup>2</sup> · 4 m

**CONSUMABLE KIT INCLUDED**

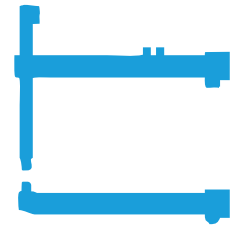
<b>23015186</b>	Contact tip · Ø 0,8 mm · 20 - 30 A
<b>23015189</b>	Contact tip · Ø 0,65 mm · 10 - 20 A
<b>23015187</b>	Electrode
<b>23015188</b>	Retaining cap · 6 holes (for external compressor)





# SPOT WELDING

# ◦ SPOT WELDING



SPOT CAR EVO 4000	1ph · 230V	PAG. 30
SPOT CAR EVO 5000	1ph · 230V	PAG. 30
SPOT CAR ALU 33	1ph · 230V	PAG. 31
SPOT CAR ALU 66	1ph · 230V	PAG. 31
SPOTWELD 21	1ph · 230V	PAG. 31
SPOTWELD 22E	1ph · 230V	PAG. 31

**SPOT CAR EVO 4000**

<b>Input voltage</b>	(1ph) 230V ± 10% · 50/60Hz
<b>Power 50%</b>	2,5 KVA
<b>Max peak power</b>	13 KVA
<b>Delayed fuse</b>	T16 A
<b>U<sub>o</sub></b>	8 V
<b>Amp. Out</b>	2850 (2%) A
<b>Amp. Out Max</b>	3200 A
<b>Insulation</b>	H
<b>Protection degree</b>	IP22S
<b>Dimensions (LxWxH)</b>	250x370x280 mm
<b>Box dimens. (LxWxH)</b>	290x490x365 mm
<b>Gross/net weight</b>	23,8 / 23,3 kg
<b>Part number</b>	99500043

Multifunction Spotter ideal for quick works on car body, controller by microprocessor easy and fast setting through synergic programs for welding washers, rivets, wavy wires, heating and squeezing function included. Automatic start contact system or manual. Possibility to set the automatic spot welding time. Supplied with gun, hearth cable, Kit accessories included: Hammer, 10 pieces three point washers kit, cylindrical head for three point washers, carbon electrode, squeezing electrode


**INCLUDED**

<b>99920108</b>	Ground cable · 50 mm <sup>2</sup> · 2,2 m
<b>99920122</b>	Fast ground · 16 mm <sup>2</sup> · 2 m
<b>99920218</b>	Spot gun · 50 mm <sup>2</sup> · 2 m · 3 pin
<b>99920525</b>	Accessories box
99920126	Puller hammer without handle
99920048	Mandrel for 3 points washers
99920042	Carbon lectrode · 10 x 300 · lots of 5 pcs
99920524	Electrode for squeezing · Ø 16 mm
99920127	3 points washers · lots of 10 pcs

**OPTIONAL**

<b>99900194A</b>	Trolley
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**SPOT CAR EVO 5000**

<b>Input voltage</b>	(1ph) 400V ± 10% · 50/60Hz
<b>Power 50%</b>	6 KVA
<b>Max peak power</b>	13 KVA
<b>Delayed fuse</b>	T20 A
<b>U<sub>o</sub></b>	7,5 V
<b>Amp. Out</b>	3600 (3,5%) A
<b>Amp. Out Max</b>	5000 A
<b>Insulation</b>	H
<b>Protection degree</b>	IP22S
<b>Dimensions (LxWxH)</b>	250x370x280 mm
<b>Box dimens. (LxWxH)</b>	290x490x365 mm
<b>Gross/net weight</b>	29,7 / 28,7 kg
<b>Part number</b>	99500044

Multifunction Spotter ideal for quick works on car body, controller by microprocessor easy and fast setting through synergic programs for welding washers, rivets, wavy wires, heating and squeezing function included. Automatic start contact system or manual. Possibility to set the automatic spot welding time. Supplied with gun, hearth cable, Kit accessories included: Hammer, 10 pieces three point washers kit, cylindrical head for three point washers, carbon electrode, squeezing electrode


**INCLUDED**

<b>99920108</b>	Ground cable · 70 mm <sup>2</sup> · 2,2 m
<b>99920122</b>	Fast ground · 16 mm <sup>2</sup> · 2 m
<b>99920218</b>	Spot gun · 70 mm <sup>2</sup> · 2 m · 3 pin
<b>99920525</b>	Accessories box
99920126	Puller hammer without handle
99920048	Mandrel for 3 points washers
99920042	Carbon lectrode · 10 x 300 · lots of 5 pcs
99920524	Electrode for squeezing · Ø 16 mm
99920127	3 points washers · lots of 10 pcs

**OPTIONAL**

<b>99900194A</b>	Trolley
------------------	---------



	SPOT CAR ALU 33	SPOT CAR ALU 66
--	-----------------	-----------------

Input voltage	(1ph) 230V ± 10% · 50/60Hz	(1ph) 230V ± 10% · 50/60Hz
Fuse	T6,3 A	T6,3 A
V <sub>o</sub>	< 20 V	< 20 V
C	33000 µF	66000 µF
E	650 Joule max	1500 Joule max
T <sub>s</sub>	1 ms	1,5 ms
Alu studs Ø	3 - 6 mm	3 - 8 mm
Dimensions (LxWxH)	250x370x280 mm	250x370x280 mm
Box dimens. (LxWxH)	290x560x400 mm	290x560x400 mm
Gross/net weight	16 / 15 kg	18 / 16,9 kg
Part number	99500039	99500040

Spot Car Alu is a power source for capacitor discharge welding of studs from M3 to M8. Particularly suitable for quick repairs on aluminum bodywork. Controlled by a microprocessor. It is equipped with an advanced safety system that allows the discharge of the capacitor only when in contact with the piece.



INCLUDED	
99920500	Fast Gun + Ground cable · 3 m · 3 pin
99920134	Accessories box
	Electrode for AL studs · for <b>M4</b> Washers KIT · Kit of 5 pcs · for <b>M4</b> Screw - AlMg3 · 100 pcs · <b>M4</b> x 16 mm Screw - AlSi12 · 100 pcs · <b>M4</b> x 16 mm

OPTIONAL	
99900194A	Trolley
99920141	Pull system

	SPOTWELD 21	SPOTWELD 22E
--	-------------	--------------

Input voltage	(1ph) 230V ± 10% · 50/60Hz	(1ph) 230V ± 10% · 50/60Hz
Delayed fuse	16 A	25 A
Power 50%	1,3 KVA	1,6 KVA
Spot current	3800 (1,5%) Max A	6900 (1,5%) Max A
⊥ Max.	1 + 1 mm	2 + 2 mm
Spots / Thickness	300 / 1 + 1 N°/mm	300 / 1 + 1 N°/mm
U <sub>o</sub> Max.	2 V	2,5 V
Power Max.	6 KW	13 KW
Dimensions (LxWxH)	100x440x185 mm	100x440x185 mm
Box dimens. (LxWxH)	165x455x340 mm	165x455x340 mm
Gross/net weight	11,0 / 10,6 kg	11,4 / 11,1 kg
Part number	99500030	99500022

Portable spot-welders which can be directly connected to a grounded power outlet. Designed to be used in demanding applications, the SPOT-WELD is available in two versions: in the first model, spot-welding time is manually controlled by the operator, whereas the second version has electronic time control. The high level of transformer insulation safeguards the operator. Simplicity and low operating costs are the strong points of the SPOT-WELD range. Not suitable for intensive use.





**SAFETY**

GoodPRO  
Vodoch

helvi

# SAFETY

## WELDING MASKS

	PART NUMBER	DESCRIPTION	OPTIC CLASS
STORM VISION 4.1 + HELVI BAG XL	99900269	Welding mask with respiartor · 4 Sensors	1 / 1 / 1 / 1
VISION 4.1 + HELMET BAG	21905147K	Welding mask · 4 Sensors	1 / 1 / 1 / 1
SKY 4.0 + HELMET BAG	21905179K	Welding mask · 4 Sensors	1 / 1 / 1 / 2
VISION 2.1 + HELMET BAG	21905100K	Welding mask · 2 Sensors	1 / 1 / 1 / 2
SKY 2.0 + HELMET BAG	21905125K	Welding mask · 2 Sensors	1 / 1 / 1 / 2
MIRAGE	21905182	Manual welding mask · DIN 11	-
HELMET BAG	21905181	Practical bag for welding masks	-

## WELDING CLOTHING

	PART NUMBER	DESCRIPTION	AVAILABLE SIZES (European)
JACKET	21905135	Welding jacket	48 - 50 - 52 - 54 - 56
THROUSERS	21905136	Welding throusers	48 - 50 - 52 - 54 - 56
TIG GLOVES	21905133	Professional welding gloves	09 - 10
MIG/MMA GLOVES	21905134	Professional welding gloves	10 - 11
SPLIT LEATHER GLOVES	21905177	Professional welding gloves	One-size-fits-all
APRON	21905176	Welding apron	One-size-fits-all

## FUME EXTRACTORS

	PART NUMBER	HOSE TYPE	Ø HOSE	HOSE LENGTH	FILTRATION EFFICIENCY	NOISE LEVEL
PFE	99900320	Flexible	55 mm	2000 mm	99 %	80 dBA
MFE (NO HOSE)	99900321	-	-	-	E12 > 99,5 %	73 dBA
MFE HD (NO HOSE)	99900322	-	-	-	E12 > 99,5 %	73 dBA
BRACCIO ARMOTECH	99900301	Rigid	160 mm	3000 mm	-	-
BRACCIO ARMOFLEX	99900302	Flexible	160 mm	3000 mm	-	-

**4 SENSORS · STORM VISION 4.1 + HELVI BAG XL**
**99900269**


Additional filter for INOX welding



Optical Class **1/1/1**  
 Filter size **133 x 114 x 9 mm**  
 Viewing area **97 x 62 mm**  
**4 Sensors · Light Shade 3.5**  
 Darkness Shade **5 - 8 / 9 - 13** variable  
 Grinding **YES DIN 4** Fixed  
 Protection Adjustment **Internal**, variable shade  
 UV/IR Protection up to **DIN 16**  
 Switching time from Light to Dark **1/25000s**  
 Switching time from Dark to Light **0.05 - 1.0s**  
 Sensitivity/Delay **adjustable** by digital control (**10 levels**)  
 Power Supply **Solar cells + 2 x CR2450 Lithium batteries**  
 ON/OFF: manual ON - Automatic OFF  
 Low Battery alarm **YES**, red pilot lamp  
 Min Amp/TIG Rating  $\geq$  **2A AC - DC**  
 True Color filter **YES**


**RESPIRATOR TECHNICAL DATA**

**2** air flow levels: **170 lpm** and **210 lpm**  
 Filter efficiency: **99,97%** · Battery life: **9 h (170 lpm)**  
 Recharge time: **1 h** · Weight: **1kg** · Approval: **EN12941- TH2t**


**TIG · MIG · MMA · PLASMA · GRINDING**
**SPARE PARTS**

EXTERNAL GLASS	21905076	133 x 114 x 1 mm
INTERNAL GLASS	21905079	96,9 x 65,7 x 1 mm
STANDARD BATTERY	21905155	-
EXTENDED BATTERY	21905156	-
EXTERNAL PROTECTION	21905159	-
FILTER PROTECTION	21905158K	(5 pieces KIT)
PARTICULATE FILTER	21905157	-
GAS FILTER	21905161	-

## 4 SENSORS · VISION 4.1 + HELMET BAG

21905147K



TRUE  
COLORS 

Optical Class **1/1/1/1**  
Filter size **133 x 114 x 9 mm**  
Viewing area **97 x 62 mm**  
**4 Sensors**  
Light Shade **3.5**  
Darkness Shade **5 - 8 / 9 - 13** variable  
Grinding **YES DIN 4** Fixed  
Protection Adjustment **Internal**, variable shade  
UV/IR Protection up to **DIN 16**  
Switching time from Light to Dark **1/25000s**  
Switching time from Dark to Light **0.05 - 1.0s**  
Sensitivity/Delay **adjustable** by digital control (**10 levels**)  
Power Supply **Solar cells + 2 x CR2450 Lithium batteries**  
ON/OFF: manual ON - Automatic OFF  
Low Battery alarm **YES**, red pilot lamp  
Min Amp/TIG Rating  $\geq$  **2A AC - DC**  
True Color filter **YES**



TIG · MIG · MMA · PLASMA · GRINDING

## SPARE PARTS

EXTERNAL GLASS	21905076	133 x 114 x 1 mm
INTERNAL GLASS	21905079	96,9 x 65,7 x 1 mm

## 4 SENSORS · SKY 4.0 + HELMET BAG

21905179K



TRUE  
COLORS 

Optical Class **1/1/1/2**  
Filter size **110 x 90 x 9 mm**  
Viewing area **100 x 53 mm**  
**4 Sensors**  
Light Shade **4**  
Darkness Shade **5 - 8 / 9 - 13** variable  
Grinding **YES DIN 4** Fixed  
Protection Adjustment **External**, variable shade  
UV/IR Protection up to **DIN 16**  
Switching time from Light to Dark **1/25000s**  
Switching time from Dark to Light **0.1 - 1.0s**  
Sensitivity/Delay **adjustable** by infinite knob  
Power Supply **Solar cells + 1 x CR2032 Lithium battery**  
ON/OFF: Automatic  
Low Battery alarm **YES**, red pilot lamp  
Min Amp/TIG Rating  $\geq$  **5A AC - DC**  
True Color filter **YES**



TIG · MIG · MMA · PLASMA · GRINDING

## SPARE PARTS

EXTERNAL GLASS	21905168	120 x 104 x 1 mm
INTERNAL GLASS	21905169	105,6 x 58 x 0,8 mm

**2 SENSORS · VISION 2.1 + HELMET BAG**
**21905100K**

**TRUE  
COLORS**

Optical Class **1/1/1/2**  
 Filter size **110 x 90 x 9 mm**  
 Viewing area **98 x 44 mm**  
**2 Sensors**  
 Light Shade **3.5**  
 Darkness Shade **9 - 13**  
 Grinding **YES**  
 Protection Adjustment **Internal**, variable shade  
 UV/IR Protection up to **DIN 16**  
 Switching time from Light to Dark **1/16000s**  
 Switching time from Dark to Light **0.1 - 1.0s**  
 Sensitivity/Delay **adjustable** by infinite knob  
 Power Supply **Solar cells** and **2 Alkaline AAA batteries**  
 ON/OFF Automatic  
 Low Battery alarm **YES**, red pilot lamp  
 Min Amp/TIG Rating  $\geq$  **5A AC - DC**  
 True Color filter **YES**


**MIG · MMA · PLASMA · GRINDING**
**SPARE PARTS**

<b>EXTERNAL GLASS</b>	<b>21905077</b>	114 x 100 x 1,5 mm
<b>INTERNAL GLASS</b>	<b>21905078</b>	95,9 x 47,2 x 1 mm

**2 SENSORS · SKY 2.0 + HELMET BAG**
**21905125K**


Optical Class **1/1/1/2**  
 Filter size **110 x 90 x 9 mm**  
 Viewing area **98 x 42 mm**  
**2 Sensors**  
 Light Shade **4**  
 Darkness Shade **9 - 13**  
 Grinding **YES**  
 Protection Adjustment **External**, variable shade  
 UV/IR Protection up to **DIN 16**  
 Switching time from Light to Dark **1/25000s**  
 Switching time from Dark to Light **0.1 - 1.0s**  
 Sensitivity/Delay **adjustable** by infinite knob  
 Power Supply **Solar cells** and **1 CR2032 batteries**  
 ON/OFF Automatic  
 Low Battery alarm **YES**, red pilot lamp  
 Min Amp/TIG Rating  $\geq$  **10A AC - DC**  
 True Color filter **NO**


**MIG · MMA · PLASMA · GRINDING**
**SPARE PARTS**

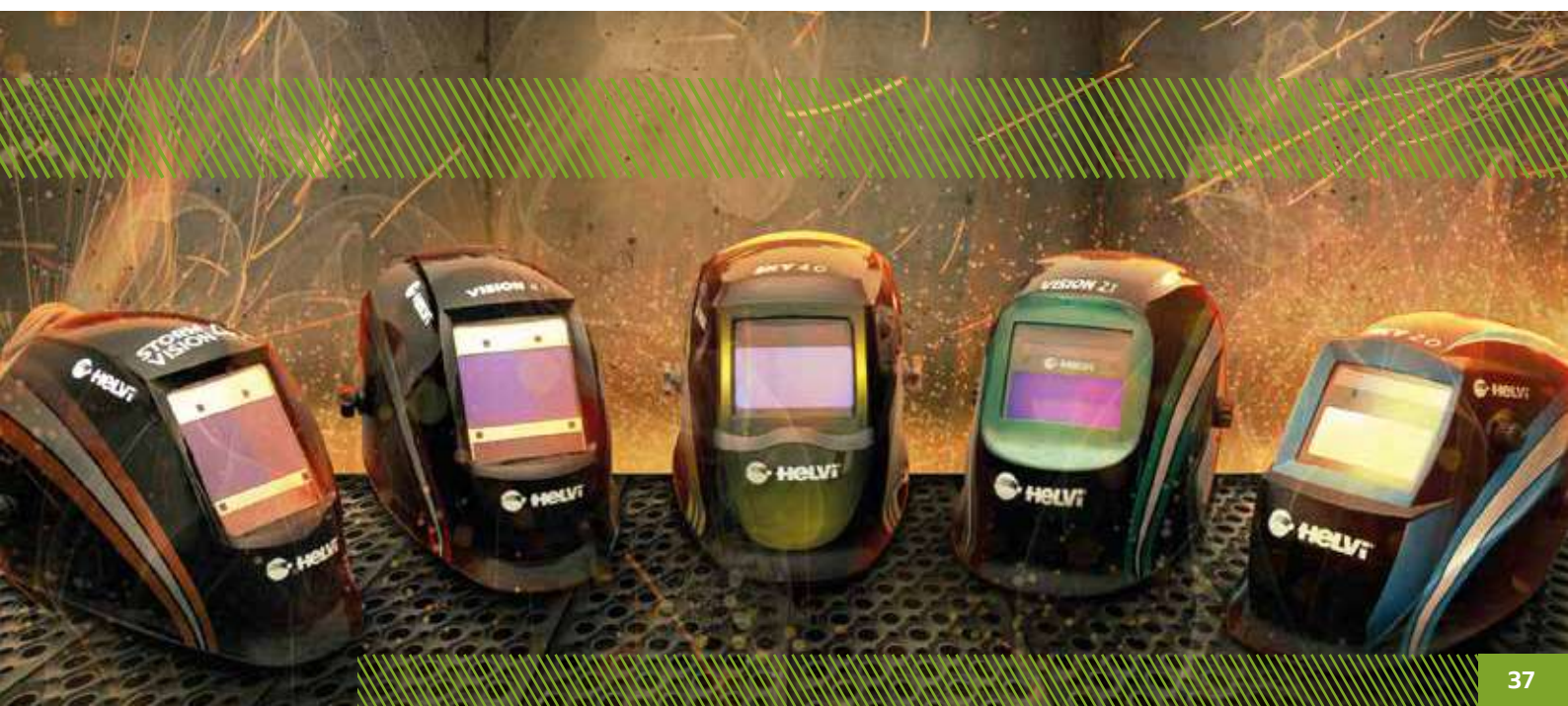
<b>EXTERNAL GLASS</b>	<b>21905128</b>	117 x 104 mm
<b>INTERNAL GLASS</b>	<b>21905129</b>	101 x 49 mm

**MANUAL CONTROL · MIRAGE**
**21905182**


Filter size **110 x 90 x 5 mm**  
 Viewing area **110 x 90 mm**  
 Darkness Shade **DIN11**  
 Grinding **YES**  
 UV/IR Protection up to **DIN 16**


**MIG · MMA · PLASMA · GRINDING**
**SPARE PARTS**

<b>EXTERNAL GLASS</b>	<b>21905184</b>	110,5 x 93 mm
<b>INTERNAL GLASS</b>	<b>21905183</b>	110 x 90 x 5 mm

**HELMET BAG**
**21905181**




1

2

Protective clothing against heat risks designed specifically for welding.

Made of 100% cotton with permanent treatment PROBAN® flame retardant.

**Materials:** 100% cotton, weight 340 g/m<sup>2</sup>, FL PROBAN® permanent treatment

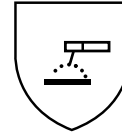
Performance was checked after 50 cycles of washing and are still certified the same.

PROBAN® is a technological process of controlled quality which provides fabrics with flame retardant properties suitable for long term use.

PROBAN® fabrics resist regeneration / recycling and dry cleaning processes. Protection against heat risks in different work environments is guaranteed for a long time.



EN ISO 11612  
A1 A2 B1 C1 F1



EN ISO 11611  
class 1

## 1 WELDING JACKET



### AVAILABLE SIZES

48	50	52	54	56	•
M	M/L	L	XL	XXL	

21905135

## 2 WELDING TROUSERS



### AVAILABLE SIZES

48	50	52	54	56	•
M	M/L	L	XL	XXL	

21905136

1

3

2

3

## WELDING GLOVES

## FOR TIG WELDING



EN: 388:2016



EN: 407:2004



433X2X

## AVAILABLE SIZES

09 · 10

21905133

## FOR MIG/MMA WELDING



EN: 388:2016



EN: 407:2004



433X2X

## AVAILABLE SIZES

10 · 11

21905134

## SPLIT LEATHER FOR WELDING



EN: 388:2016



3222

EN: 407:2004



## AVAILABLE SIZES

ONE SIZE FITS ALL

21905177

4

## WELDING APRON



EN: 388:2016



3222

EN: 407:2004



413X4X

EN ISO 11611:2015



Class 2 A1



## AVAILABLE SIZES

ONE SIZE FITS ALL

21905176

**PFE · Portable fume extractor**

Input voltage	1ph · 230V 50Hz
Hose	Flessibile
Ø Hose	50 mm
Hose length	2000 mm
Motor power	1,1 KW
Airflow	250 m³/h
Extraction capacity	110 m³/h
Filter type	Filtrazione a 3 stadi
Filtration efficiency	99%
Noise level	80 dB
Dimensions (LxWxH)	520x255x470 mm (senza braccio)
Box (LxWxH)	800x600x450 mm
Weight gross/net	20 Kg
Part number	99900320


**NEW**

**MFE · Mobile fume extractor**

Input voltage	1ph · 230V 50Hz
Motor power	1,1 KW
Airflow	2500 m³/h
Extraction capacity	1100 m³/h
Filter type	Filtro a tasca
Filtration stages	3
Filtration efficiency	E12 > 99,5 %
Superficie filtrante	14,5 m²
Noise level	73 dB
Dimensions (LxWxH)	1010x520x920 mm
Box (LxWxH)	1150x550x1050 mm
Weight gross/net	85 Kg
Part number	99900321


**NEW**

**MFE HD · Mobile fume extractor**

Input voltage	1ph · 230V 50Hz
Motor power	1,1 KW
Airflow	2500 m³/h
Extraction capacity	1100 m³/h
Filter type	Filtro a tasca
Filtration stages	3
Filtration efficiency	E12 > 99,5 %
Superficie filtrante	14,5 m²
Noise level	73 dB
Dimensions (LxWxH)	600x800x1200 mm
Box (LxWxH)	660x840x1380 mm
Weight gross/net	105 Kg
Part number	99900322


**NEW**


	ARMOTECH	ARMOFLEX
Hose	Rigido	Flessibile
Ø Hose	160 mm	160 mm
Hose length	3000 mm	3000 mm
Box (LxWxH)	1610x550x380 mm	1610x550x380 mm
Gross weight	21 Kg	16 Kg
Part number	99900301	99900302



ARMOTECH



ARMOFLEX

### 3 STAGES FILTER (PFE)



- 1 ANTI-SPARKS METALLIC FILTER
- 2 FILTER CARTRIDGE - Efficiency 99%
- 3 CARBON FILTER

#### SPARE PARTS

1	99900242	Dimensions: 240x337x12 mm
2	99900243	Dimensions: Ø 195mm · L=28 mm
3	99900244	Dimensions: 240x292 mm

### 3 STAGES HEPA FILTER (MFE · MFE HD)



- 1 **METALLIC FILTER CELL + CORRUGATED**  
 Material: Aluminum fiber  
 Regeneration: Yes, washable  


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 Material: Polyester fiber  
 Regeneration: Yes, by shacking
- 2 **RIGID HEPA GLASS MICROFIBER POCKET FILTER**  
 Material: Glass fiber E12  
 Regeneration: NO (needs replacement)

#### MFE SPARE PARTS

1	99900305	Dimensions: 490x592x48 mm
2	99900238	Dimensions: 490x592x48 mm

#### MFE HD SPARE PARTS

1	99900306	Dimensions: 490x592x98 mm
2	99900238	Dimensions: 490x592x98 mm

#### OPTIONAL

99900241	<b>CARBON FILTER 10 Kg</b> Dimensions: 292x648x48 mm
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**ACCESSORIES & SPARE PARTS**

# ○ ACCESSORIES & SPARE PARTS

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**MMA ACCESSORIES**
**All Welding Kits include:** Mask · Ground cable · Electrode holder · Brush - Hammer

	<b>99900037</b>	Arc welding KIT · <b>16 mm<sup>2</sup></b> <b>3 + 2 mt · 25 mm<sup>2</sup> connector</b>	Sparc 120 - 160 - 200	
	<b>99900014</b>	Arc welding KIT · <b>25 mm<sup>2</sup></b> <b>3 + 2 mt · 25 mm<sup>2</sup> connector</b>	Sparc 120 - 160 - 200	
	<b>99900099</b>	Arc welding KIT · <b>25 mm<sup>2</sup></b> <b>3 + 2 mt · 50 mm<sup>2</sup> connector</b>	JET 160 - 200 · Galileo 160 - 200 Galileo TIG 219HF - 211 Easy AC/DC	

**GROUND CABLES & WELDING CABLES**

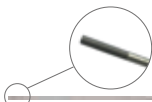
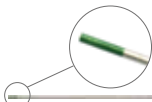



	<b>43210138K</b>	Ground cable with clamp kit for <b>25 mm<sup>2</sup> connector · 16 mm<sup>2</sup> · 2,0 mt</b>	mini Fox 161 · Fox 165 - 185 - 191 Sparc 120 - 160 - 200 · Puma 191	
	<b>43210170K</b>	Ground cable with clamp kit per <b>50 mm<sup>2</sup> connector · 25 mm<sup>2</sup> · 2,0 mt</b>	Galileo 160 - 200 · TIG 219 HF Galileo TIG 211 Easy AC/DC	
	<b>43210132K</b>	Ground cable with clamp kit per <b>50 mm<sup>2</sup> connector · 25 mm<sup>2</sup> · 3,0 mt</b>	Fox 211 · Puma 256 - 278	
	<b>43210142K</b>	Ground cable with clamp kit per <b>50 mm<sup>2</sup> connector · 35 mm<sup>2</sup> · 3,0 mt</b>	Puma 298	
	<b>43205028K</b>	Welding cable with electrode holder <b>25 mm<sup>2</sup> connector · 16 mm<sup>2</sup> · 3,0 mt</b>	Sparc 160 - 200 · Puma 191 Fox 165 - 185 - 191	
	<b>43205049K</b>	Welding cable with electrode holder <b>50 mm<sup>2</sup> connector · 16 mm<sup>2</sup> · 3,0 mt</b>	Fox 211	
	<b>43205040K</b>	Welding cable with electrode holder <b>50 mm<sup>2</sup> connector · 25 mm<sup>2</sup> · 3,0 mt</b>	Galileo 160 - 200 · TIG 219 HF Fox 211 · Puma 256 - 298	
	<b>22110007</b>	Earth clamp <b>200A Type · Kit 160 A - 180 A</b>	Fox 165 - 185 - 191 · Sparc 120 · Puma 191	
	<b>22110033</b>	Earth clamp <b>300A Type · Kit 250 A - 300 A</b>	Sparc 160 - 200 Galileo 160 - 200 · Galileo TIG 219HF Fox 211 · Puma 256 - 278 - 298	
	<b>22110011</b>	Electrode holder <b>352 Type · Kit 140 A - 160 A</b>	Sparc 120 · Fox 165	
	<b>22110010</b>	Electrode holder <b>202 Type · Kit 180 A - 250 A - 300 A</b>	Sparc 160 - 200 - Fox 185 - 191 - 211 Galileo 160 - 200 - TIG 219HF Puma 191 - 256 - 278 - 298	
	<b>22100001</b>	Plug · <b>25 mm<sup>2</sup></b>	-	
	<b>22100003</b>	Plug · <b>50 mm<sup>2</sup></b>	-	
	<b>22100010</b>	Plug · <b>95 mm<sup>2</sup></b>	-	
	<b>22100020</b>	Connector adapter · <b>25-50 mm<sup>2</sup></b>	-	
	<b>10210057</b>	Welding cable · <b>16mm<sup>2</sup></b> <b>Lenght on demand</b>	-	
	<b>10210059</b>	Welding cable · <b>25mm<sup>2</sup></b> <b>Lenght on demand</b>	-	

## TIG ACCESSORIES



## ACCESSORIES · TIG TORCHES

	<b>23020173</b>	<b>Tig 17V · 4 mt · with gas valve · conn. 25 mm<sup>2</sup></b> Consumables KIT <b>Ø 1,6 mm</b>	Sparc 120 - 160 - 200 Fox 185 · Puma 191	
	<b>23020159</b>	<b>Tig 17V · 4 mt · with gas valve · conn. 50 mm<sup>2</sup></b> Consumables KIT <b>Ø 1,6 mm</b>	Jet 160 - 200 Galileo 160 - 200	
	<b>23020199</b>	<b>Tig 26V · 4 mt · with gas valve · conn. 50 mm<sup>2</sup></b> Consumables KIT <b>Ø 2,4 mm</b>	Fox 211 Puma 256 - 298	
	<b>23020157</b>	<b>ExperTig 26 · 4 mt · conn. 50 mm<sup>2</sup> · 3 Pin</b> Consumables KIT <b>Ø 2,4 mm</b>	Galileo TIG 219HF	
	<b>23020198</b>	<b>ExperTig 26 · 8 mt · conn. 50 mm<sup>2</sup> · 3 Pin</b> Consumables KIT <b>Ø 2,4 mm</b>	Galileo TIG 219HF	
	<b>23020176</b>	<b>ExperTig 26 · 4 mt · conn. 50 mm<sup>2</sup> · 12 Pin</b> Consumables KIT <b>Ø 2,4 mm</b>	Galileo TIG 211 Easy AC/DC	
	<b>23020189</b>	<b>ExperTig 26 · 8 mt · conn. 50 mm<sup>2</sup> · 12 Pin</b> Consumables KIT <b>Ø 2,4 mm</b>	Galileo TIG 211 Easy AC/DC	
	<b>23020409</b>	<b>Tig26 · 4 mt · conn. 50 mm<sup>2</sup> · 3 Pin</b> Consumables KIT <b>Ø 2,4 mm</b>	Galileo TIG 219HF	
	<b>23020410</b>	<b>Tig26 · 4 mt · conn. 50 mm<sup>2</sup> · 12 Pin</b> Consumables KITi <b>Ø 2,4 mm</b>	Galileo TIG 211 Easy AC/DC	


## SPARE PARTS · TIG CONSUMABLES

	<b>23025006</b>	Cerium tungsten electrode (grey) · <b>Ø 1,6 mm</b> · Lots of 10 pcs	
	<b>23025015</b>	Cerium tungsten electrode (grey) · <b>Ø 2,4 mm</b> · Lots of 10 pcs	
	<b>23025019</b>	Cerium tungsten electrode (grey) · <b>Ø 3,2 mm</b> · Lots of 10 pcs	
	<b>23025007</b>	Pure tungsten electrode (green) · <b>Ø 1,6 mm</b> · Lots of 10 pcs	
	<b>23025016</b>	Pure tungsten electrode (green) · <b>Ø 2,4 mm</b> · Lots of 10 pcs	
	<b>23025020</b>	Pure tungsten electrode (green) · <b>Ø 3,2 mm</b> · Lots of 10 pcs	
	<b>23025004</b>	TIG collet · <b>Ø 1,6 mm</b> · Lots of 10 pcs	
	<b>23025013</b>	TIG collet · <b>Ø 2,4 mm</b> · Lots of 10 pcs	
	<b>23025017</b>	TIG collet · <b>Ø 3,2 mm</b> · Lots of 10 pcs	
	<b>23025005</b>	TIG collet body · <b>Ø 1,6 mm</b> · Lots of 10 pcs	
	<b>23025014</b>	TIG collet body · <b>Ø 2,4 mm</b> · Lots of 10 pcs	
	<b>23025018</b>	TIG collet body · <b>Ø 3,2 mm</b> · Lots of 10 pcs	
	<b>23025008</b>	Ceramic nozzle · GR.6 · <b>Ø 9,8 mm</b> · Lots of 5 pcs	
	<b>23025009</b>	Ceramic nozzle · GR.8 · <b>Ø 12,7 mm</b> · Lots of 5 pcs	

## TIG TORCH CONNECTOR

	<b>22105126</b>	TIG torch male connector · 3 pins	-	
	<b>22105166</b>	TIG torch male connector · 12 pins	-	

## REMOTE CONTROL

	<b>99810021</b>	Foot remote control <b>12 pins · 5 m</b>	Galileo TIG 211 Easy AC/DC	
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**MIG/MAG ACCESSORIES**
**ACCESSORIES · MIG/MAG TORCHES**







	<b>23000132</b>	<b>MIG TORCH TN</b> 2,7 m · Black · Direct connection · Gas/No Gas	Fox 165	
	<b>23000142K</b>	<b>MIG TORCH TN 14</b> 2 m · Black · Direct connection · Gas/No Gas	mini Fox 161	
	<b>23000491</b>	<b>MIG TORCH 15</b> 3 m · Grey/Black · Euro connection	Fox 185 - 191 Puma 191	
	<b>23000495</b>	<b>TRAFIMET ERGO PLUS 25</b> 4 m · Black/Blue · Euro connection	Fox 211 Puma 256 - 278 - 298	
	<b>23000494</b>	<b>TRAFIMET ERGO PLUS 25</b> 3 m · Black/Blue · Euro connection  <b>OPTIONAL</b> Aluminium KIT <b>04600384</b>	Fox 211 Puma 256 - 278 - 298	

## MIG/MAG ACCESSORIES

## SPARE PARTS · MIG/MAG CONSUMABLES

TORCH 23000132 · MIG TN				TORCH 23000142K · MIG TN 14			
	<b>23005491D</b>	Torch neck			<b>23005491D</b>	Torch neck	
	<b>23005516</b>	Torch neck without gas valve			<b>23005516</b>	Torch neck without gas valve	
	<b>23005018</b>	Contact tip · $\varnothing$ 0,6 mm lots of 20 pcs			<b>23005018</b>	Contact tip · $\varnothing$ 0,6 mm lots of 20 pcs	
	<b>23005019</b>	Contact tip · $\varnothing$ 0,8 mm lots of 20 pcs			<b>23005019</b>	Contact tip · $\varnothing$ 0,8 mm lots of 20 pcs	
	<b>23005020</b>	Contact tip · $\varnothing$ 1,0 mm lots of 20 pcs			<b>23005182</b>	Contact tip · $\varnothing$ 0,9 mm lots of 20 pcs	
	<b>23005021</b>	Gas nozzle · $\varnothing$ 12 mm · lots of 10 pcs			<b>23005021</b>	Gas nozzle · $\varnothing$ 12 mm · lots of 10 pcs	
	<b>23005096</b>	Gas diffuser · lots of 10 pcs			<b>23005096</b>	Gas diffuser · lots of 10 pcs	

TORCH 23000491 · MIG 15				TORCHES 23000494 - 23000495 · MIG 25 ( M6 )			
	<b>23005102</b>	Torch neck			<b>23005619</b>	Torch neck	
	<b>23005018</b>	Contact tip · $\varnothing$ 0,6 mm lots of 20 pcs			<b>23005070</b>	M6 Contact tip · $\varnothing$ 0,6 mm lots of 20 pcs	
	<b>23005019</b>	Contact tip · $\varnothing$ 0,8 mm lots of 20 pcs			<b>23005038</b>	M6 Contact tip · $\varnothing$ 0,8 mm lots of 20 pcs	
	<b>23005020</b>	Contact tip · $\varnothing$ 1,0 mm lots of 20 pcs			<b>23005039</b>	M6 Contact tip · $\varnothing$ 1,0 mm lots of 20 pcs	
	<b>23005029</b>	Contact tip · $\varnothing$ 1,2 mm lots of 20 pcs			<b>23005040</b>	M6 Contact tip · $\varnothing$ 1,2 mm lots of 20 pcs	
	<b>23005448</b>	Contact tip · $\varnothing$ 1,0 mm for Aluminium · lots of 20 pcs			<b>23005112</b>	M6 Contact tip · $\varnothing$ 1,6 mm lots of 20 pcs	
	<b>23005117</b>	Gas nozzle · $\varnothing$ 9,5 mm · lots of 10 pcs			<b>23005036</b>	Gas nozzle · $\varnothing$ 15 mm lots of 10 pcs	
	<b>23005021</b>	Gas nozzle · $\varnothing$ 12 mm · lots of 10 pcs			<b>23005037</b>	Spot welding nozzle lots of 10 pcs	
	<b>23005022</b>	Spot welding nozzle lots of 10 pcs			<b>23005037</b>	Spot welding nozzle lots of 10 pcs	
	<b>23005092</b>	Gas diffuser · lots of 10 pcs			<b>23005034</b>	Gas diffuser · lots of 10 pcs	
	<b>23005562</b>	Brass wire inlet tube $\varnothing$ 4,4 x 5 mm · L = 150 mm			<b>23005562</b>	Brass wire inlet tube $\varnothing$ 4,4 x 5 mm · L = 150 mm	

TORCHES 23000494 - 23000495 · MIG 25 ( M8 )			
	<b>23005114</b>	Torch neck	
	<b>23005442</b>	M8 Contact tip M8 · $\varnothing$ 0,8 mm lots of 10 pcs	
	<b>23005443</b>	M8 Contact tip M8 · $\varnothing$ 1,0 mm lots of 10 pcs	
	<b>23005447</b>	M8 Contact tip M8 · $\varnothing$ 1,2 mm lots of 10 pcs	
	<b>23005036</b>	Gas nozzle · $\varnothing$ 15 mm · lots of 10 pcs	
	<b>23005037</b>	Spot welding nozzle · lots of 5 pcs	
	<b>23005444</b>	Gas diffuser · lots of 10 pcs	
	<b>23005562</b>	Brass wire inlet tube $\varnothing$ 4,4 x 5 mm · L = 150 mm	

**MIG/MAG ACCESSORIES**
**ALUMINUM KIT FOR MIG TORCH 23000494**

	<b>04600384</b>	<b>23005443</b>	Contact tip Ø 1,0 mm · M8 · AL	Fox 211 Puma 256 Puma 278 Puma 298
		<b>23005444</b>	Gas diffuser for MIG torch Ergo Plus 25 · M8	
		<b>23005490</b>	Wire liner · Grey · <b>Graphite</b> Ø 1,0 - 1,2 mm · 3,5 m · brass terminal	
		<b>23005562</b>	Brass wire inlet tube Ø 4,4 x 5 mm · L = 150 mm	

**ALUMINIUM KIT FOR FOX RANGE**




	<b>04600557</b>	<b>23005035</b>	Wire liner · Red · <b>Teflon</b> Ø 1,0 - 1,2 mm · 3,3 m	Fox 185 Puma 191
		<b>33805104</b>	Drive roll for Aluminium 0,8 - 1,0 mm · Ø 30 mm	
		<b>23005562</b>	Brass wire inlet tube Ø 4,4 x 5 mm · L = 150 mm	
	<b>04600589</b>	<b>23005442</b>	Contact tip · Ø 0,8 mm · M8 · AL	Fox 211
		<b>23005443</b>	Contact tip · Ø 1,0 mm · M8 · AL	
		<b>23005444</b>	Gas diffuser · for MIG torch Ergo Plus 25 · M8	
		<b>23005490</b>	Wire liner · Grey · <b>Graphite</b> Ø 1,0 - 1,2 mm · 3,5 m · brass terminal	
		<b>33805104</b>	Drive roll for Aluminium 0,8 - 1,0 mm · Ø 30 mm	
		<b>23005562</b>	Brass wire inlet tube Ø 4,4 x 5 mm · L = 150 mm	

**SPARE PARTS · WIRE LINERS**

	<b>23005025</b>	Wire liner · Ø 0,8 - 1,0 mm · 3,3 m · <b>Steel</b> · Blue	Torch 15
	<b>23005041</b>	Wire liner · Ø 1,0 - 1,2 mm · 3 m · <b>Steel</b> · Red	Torches 25
	<b>23005106</b>	Wire liner · Ø 1,0 - 1,2 mm · 5 m · <b>Steel</b> · Red	Torch 25
	<b>23005111</b>	Wire liner · Ø 1,2 - 1,6 mm · 5 m · <b>Steel</b> · Yellow	Torch 25
	<b>23005035</b>	Wire liner · Ø 1,0 - 1,2 mm · 3,3 m · <b>Teflon</b> · Red · for Stainless steel	Torch 25
	<b>23005135</b>	Wire liner · Ø 1,0 - 1,2 mm · 5,3 m · <b>Teflon</b> · Red · for Stainless steel	Torch 25
	<b>23005586</b>	Wire liner · Ø 1,0 - 1,2 mm · 3,5 m · <b>Graphite</b> · Grey · for Aluminium	Torch 25

## MIG/MAG ACCESSORIES

## DRIVE ROLLS FOR PLASTIC WIRE FEEDERS

	<b>33805074</b>	Drive roll · for steel and stainless steel <b>0,6 - 0,8/0,9 mm · Ø 25 mm · Knurled</b>	Mini-Fox 161 Fox 165	
	<b>33805023</b>	Drive roll · for steel and stainless steel <b>0,6 - 0,8/0,9 mm · Ø 30 mm · tempered</b>	Fox 191	
	<b>33805128</b>	Drive roll · for aluminium <b>0,8 - 1,0 mm · Ø 30 mm</b>	Fox 191	




## DRIVE ROLLS FOR METALLIC WIRE FEEDERS

	<b>33805007</b>	Wire block roll <b>Ø 30 mm · lots of 5 pcs</b>	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	<b>33805003</b>	Drive roll · for steel and stainless steel <b>0,6 - 0,8 mm · Ø 30 mm</b>	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	<b>33805071</b>	Drive roll · for steel and stainless steel <b>0,6 - 0,9 mm · Ø 30 mm</b>	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	<b>33805101</b>	Drive roll · for steel and stainless steel <b>0,8 - 1,0 mm · Ø 30 mm</b>	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	<b>33805005</b>	Drive roll · for steel and stainless steel <b>1,0 - 1,2 mm · Ø 30 mm</b>	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	<b>33805067</b>	Drive roll · for Flux core · <b>1,0 - 1,2 mm</b> <b>Ø 30 mm · Knurled</b>	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	<b>33805104</b>	Drive roll · for aluminium <b>0,8 - 1,0 mm · Ø 30 mm</b>	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	<b>33805115</b>	Drive roll · for aluminium <b>1,0 - 1,2 mm · Ø 30 mm</b>	Puma 278 - 298	


**MIG/MAG ACCESSORIES**
**WELDING WIRE REELS Ø 300 mm**

	<b>21910006</b>	SG2 · Copper coated steel wire · Ø 0,6 · 15 Kg	
	<b>21910007</b>	SG2 · Copper coated steel wire · Ø 0,8 · 15 Kg	
	<b>21910008</b>	SG2 · Copper coated steel wire · Ø 1,0 · 15 Kg	
	<b>21910025</b>	SG2 · Copper coated steel wire · Ø 1,2 · 15 Kg	
	<b>21910013</b>	308 LSI · Stainless steel wire · Ø 0,8 · 15 Kg	
	<b>21910026</b>	Aluminium wire · Ø 0,8 · 7,2 Kg	

**WELDING WIRE REELS Ø 200 MM**

	<b>21910003</b>	SG2 · Copper coated steel wire · Ø 0,6 · 5 Kg	
	<b>21910004</b>	SG2 · Copper coated steel wire · Ø 0,8 · 5 Kg	
	<b>21910005</b>	SG2 · Copper coated steel wire · Ø 1,0 · 5 Kg	
	<b>21910090</b>	SG3 · Copper coated steel wire · Ø 0,8 · 5 Kg	
	<b>21910083</b>	308 LSI · Stainless steel wire · Ø 0,8 · 5 Kg	
	<b>21910084</b>	316 LSI · Stainless steel wire · Ø 0,8 · 5 Kg	
	<b>21910082</b>	AlMg5 (5356) · Aluminium wire · Ø 0,8 · 2 Kg	
	<b>21910086</b>	AlMg5 (5356) · Aluminium wire · Ø 1,0 · 2 Kg	
	<b>21910092</b>	AlMg5 (5356) · Aluminium wire · Ø 1,2 · 2 Kg	
	<b>21910081</b>	AlSi5 (4043) · Aluminium wire · Ø 0,8 · 2 Kg	
	<b>21910085</b>	AlSi5 (4043) · Aluminium wire · Ø 1,0 · 2 Kg	
	<b>21910093</b>	AlSi5 (4043) · Aluminium wire · Ø 1,2 · 2 Kg	
	<b>21910075</b>	CuSi <sub>3</sub> wire · Ø 0,8 · 2 Kg	
	<b>21910087</b>	CuSi <sub>3</sub> wire · Ø 0,8 · 5 Kg	
	<b>21910014</b>	Flux-cored wire · Ø 0,9 · 4,5 Kg	

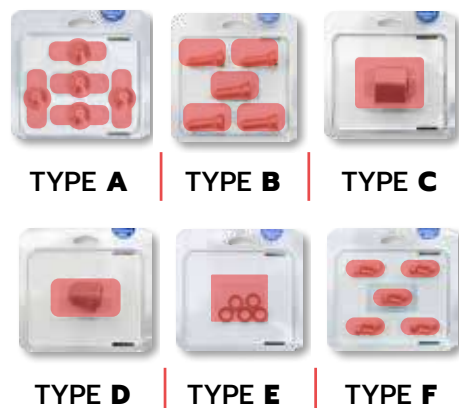
**SPOOL HOLDER**

	<b>21690880</b>	Spool holder Ø 50 mm Adaptor for metallic coils	
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## TIG · MIG/MAG ACCESSORIES

## GAS WELDING

	<b>21900010</b>	MisterWork disposable gas bottles Argon · 14 lt · 60 bar Average welding time: ± 70/75 min	M10 Thread	
	<b>21900011</b>	MisterWork disposable gas bottles MIX C8 Argon/CO <sub>2</sub> · 14 lt · 60 bar Average welding time: ± 70/75 min	M10 Thread	
	<b>21900030</b>	MisterWork PRO gas bottles - High quality disposable · Argon · 14 lt · 60 bar Average welding time: ± 70/75 min <b>Compressed Argon 5.0 with purity &gt;99,999%</b>	M10 Thread	<b>NEW</b>
	<b>21900031</b>	MisterWork PRO gas bottles - High quality disposable · MIX C8 Argon/CO <sub>2</sub> · 14 lt · 60 bar Average welding time: ± 70/75 min <b>High-precision pure gas mixtures</b>	M10 Thread	<b>NEW</b>
	<b>22905114</b>	Zero compensated Argon flowmeter regulator	Italy / England	
	<b>22905111</b>	Pressure regulator Argon double stage with flowmeter	Italy / England	
	<b>22905090K</b>	Pressure regulator ECO mini CO <sub>2</sub> + gas bottle adaptor Argon / CO <sub>2</sub>	Italy / England	
	<b>22905029K</b>	Pressure regulator Maxi CO <sub>2</sub> + gas bottle adaptor Argon / CO <sub>2</sub>	Italy / England	
	<b>22905118</b>	Pressure regulator Micro · 130 bar · for disposable cylinders	M10 Thread	
	<b>22905115K</b>	Pressure regulator for disposable cylinders	M10 Thread	
	<b>22910140</b>	Gas bottle adaptor M10 thread · only for CO <sub>2</sub> regulators	M10 Thread	

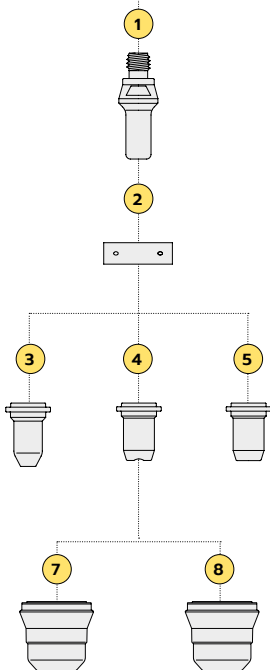
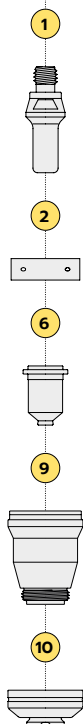
**PLASMA CUTTING ACCESSORIES**
**PLASMA CONSUMABLES' BLISTER TYPE**

**PLASMA CUTTING MANUAL TORCH**


Suitable for:	COMBI PC 302K	99830015
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<b>PT 40C</b>	40 A - 4m - Direct connect.	<b>23010067</b>
Mounted consumables KIT (Pos.): 1 · 2 · 4 · 7		

Suitable for:	PC 33	99830024
	PC 43	99830019

<b>PT 40</b>	40 A - 4m - Direct connect.	<b>23010070</b>
Mounted consumables KIT (Pos.): 1 · 2 · 4 · 8 - for PC 33		
Mounted consumables KIT (Pos.): 1 · 2 · 5 · 8 - for PC 43		

**Cutting**  
40 A

**High performance cutting**  
40 A

**SPARE PARTS / CONSUMABLES**

Pos.	Description	Quantity	Part number	Price
1	Electrode	10 pcs	23015187BH	
2	Gas diffuser	5 pcs	23015179BH	
3	Tip 10/20 A	10 pcs	23015189BH	
4	Tip 20/30 A	10 pcs	23015186BH	
5	Tip 30/40 A	10 pcs	23015224BH	
6	Contact tip 30/40 A	10 pcs	23015349BH	
7	Retaining cap · 2 holes (compressor)	1 pc	23015182BH	
8	Retaining cap · 6 holes	1 pc	23015188BH	
9	Retaining cap	1 pc	23015347BH	
10	Shield cap	2 pcs	23015348BH	

**COMPASS KIT**

	23015211	
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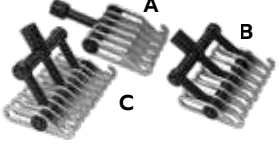




## SPOT WELDING ACCESSORIES

## SPOT CAR EVO 4000 · 5000

	<b>99920218</b>	Gun <b>50 mm<sup>2</sup></b> · 2 m · conn. <b>3 pin</b>	Spotcar EVO 4000	
	<b>99920223</b>	Gun · <b>70 mm<sup>2</sup></b> · 2 m · conn. <b>3 pin</b>	Spotcar EVO 5000	
	<b>99920108</b>	Ground cable · <b>50 mm<sup>2</sup></b> · direct	Spotcar EVO 4000	
	<b>99920216</b>	Ground cable · <b>70 mm<sup>2</sup></b> · direct	Spotcar EVO 5000	
	<b>99920181</b>	Ground cable + fast ground <b>50 mm<sup>2</sup></b> · direct	Spotcar EVO 4000	
	<b>99920182</b>	Ground cable + fast ground <b>50 mm<sup>2</sup></b> · direct · <b>50 mm<sup>2</sup></b>	Spotcar EVO 5000	
	<b>99920122</b>	Fast ground	Spotcar EVO 4000 · 5000	
	<b>99920525</b> Accessories box	<b>99920126</b>	Puller hammer without handle	Spotcar EVO 4000 · 5000
		<b>99920048</b>	Mandrel for 3 points washers	
		<b>99920042</b>	Carbon electrode <b>10 x 300</b> · lots of 5 pcs	
		<b>99920524</b>	Electrode for squeezing <b>Ø 16 mm</b>	
		<b>99920127</b>	3 point washers lots of 10 pcs	
	<b>99920173</b>	Spare parts kit for pulling / wave washers / puller hammer	Spotcar EVO 4000 · 5000	
	<b>99920175</b>	Puller hammer with handle	Spotcar EVO 4000 · 5000	
	<b>99920126</b>	Puller hammer without handle	Spotcar EVO 4000 · 5000	



## SPOT WELDING ACCESSORIES

## SPOT CAR EVO 4000 · 5000




	99920048	Mandrel for 3 points washers		
	99920041	3 pointed washers · lots of 20 pcs		
	99920127	3 pointed washers · lots of 10 pcs		
	99920042	Carbon electrode · 10 x 300 · lots of 5 pcs		
	99920050	Copper / chromium electrode · Ø 16 mm		
	99920524	Electrode for squeezing · Ø 16 mm		
	99920177	Electrode for waved wires · Ø 10 mm		
	99920178	M10 pointed mass · lots of 1 pc		
	99920189	M10 pointed mass · lots of 5 pcs		
	99920138	M8 pointed mass · lots of 1 pc		
	99920188	M8 pointed mass · lots of 5 pcs		
	99920116	Waved copper coated wire · 315 mm · lots of 10 pcs		
	99920117	Waved copper coated wire · 315 mm · lots of 50 pcs		
	99920113	A · Hook gripped head · 6 hooks		
	99920114	B · Hook gripped head · 8 hooks		
	99920115	C · Hook gripped head · 10 hooks		
	99920187	KIT mandrel for spot welding		
	99920186	Mandrel for coal heating/crushing spot welder		
	99920190	Welding spray resistant fabric up to 1000°C · 92 x 200 cm		
	99920090	Electrode holder mandrel with nut		

## SPOT WELDING ACCESSORIES





### ACCESSORIES FOR SPOT CAR ALU 33 · 66

	<b>99920500</b>	FastGun + ground cable · 3 m · 3 pins		
	<b>99920134</b>	<b>Accessories box</b> Electrode for ALU studs · for <b>M4</b> Washers KIT · Kit of 5 pcs · for <b>M4</b> Screw - AlMg3 · 100 pcs · <b>M4 x 16 mm</b> Screw - AlSi12 · 100 pcs · <b>M4 x 16 mm</b>		

### SPARE PARTS FOR SPOT CAR ALU 33 · 66

	<b>99920478</b>	Electrode for ALU screws · for <b>M3</b>		
	<b>99920219</b>	Electrode for ALU screws · for <b>M4</b>		
	<b>99920479</b>	Electrode for ALU screws · for <b>M5</b>		
	<b>99920480</b>	Electrode for ALU screws · for <b>M6</b>		
	<b>99920159</b>	Washers KIT · Kit of 5 pcs · for <b>M3</b>		
	<b>99920160</b>	Washers KIT · Kit of 5 pcs · for <b>M4</b>		
	<b>99920161</b>	Washers KIT · Kit of 5 pcs · for <b>M5</b>		
	<b>99920162</b>	Washers KIT · Kit of 5 pcs · for <b>M6</b>		
	<b>99920163</b>	Screw - AlMg3 · 100 pcs · <b>M3 x 12 mm</b>		
	<b>99920164</b>	Screw - AlMg3 · 100 pcs · <b>M4 x 16 mm</b>		
	<b>99920165</b>	Screw - AlMg3 · 100 pcs · <b>M5 x 20 mm</b>		
	<b>99920167</b>	Screw - AlSi12 · 100 pcs · <b>M3 x 12 mm</b>		
	<b>99920168</b>	Screw - AlSi12 · 100 pcs · <b>M4 x 16 mm</b>		
	<b>99920169</b>	Screw - AlSi12 · 100 pcs · <b>M5 x 20 mm</b>		

### PULLING SYSTEM

	<b>99920141</b>	Pull system for Aluminium		
	<b>99920227</b>	ALU Pocket pull system		
	<b>99920226</b>	Double pull system		
	<b>99920225</b>	Single pull system		



**GENERAL ACCESSORIES**
**TROLLEYS**

	GALILEO TIG 211 Easy AC/DC	FOX 165	FOX 185	FOX 191	FOX 211	SPOTCAR 4000	SPOTCAR 5000	SPOTCAR ALU 33	SPOTCAR ALU 66
TROLLEY 1						•	•	•	•
TROLLEY 2		•	•	•	•				
TROLLEY 3 · HD AIR	•	•	•	•	•				

TROLLEY 1		TROLLEY 2		TROLLEY 3 · HD AIR	
<b>Dimensions (LxWxH)</b>	470 x 520 x 770 mm	<b>Dimensions (LxWxH)</b>	520 x 450 x 1060 mm	<b>Dimensions (LxWxH)</b>	950 x 435 x 975 mm
<b>Box</b>	490 x 220 x 795 mm	<b>Box</b>	1065 x 300 x 365 mm	<b>Box</b>	1065 x 300 x 365 mm
<b>Part number</b>	<b>99900194A</b>	<b>Part number</b>	<b>9990171A</b>	<b>Part number</b>	<b>99900258A</b>

## GENERAL ACCESSORIES

### HELVI BAGS

	<b>21905178K</b>	Helvi bag M Dim. 450x220x270 mm	Sparc Range Jet Range Galileo Range	
	<b>21905139K</b>	Helvi bag XL Dim. 540x225x250 mm	Galileo TIG 219 HF	

### WELDING STATION

	<b>99900309</b>	Welding station	
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**GENERAL ACCESSORIES**
**BLISTER**

N.B. · Price shown applies to a 5 blister pack

	<b>21915002B5</b>	Electrode blister · <b>Rutile</b> · <b>2,0</b> mm · <b>30</b> pcs/blister · sold in <b>5 blister pack</b>	
	<b>21915003B5</b>	Electrode blister · <b>Rutile</b> · <b>2,5</b> mm · <b>20</b> pcs/blister · sold in <b>5 blister pack</b>	
	<b>21915006B5</b>	Electrode blister · <b>Rutile</b> · <b>3,25</b> mm · <b>15</b> pcs/blister · sold in <b>5 blister pack</b>	
	<b>21910109B5</b>	Wire reel blister · <b>Flux Core</b> · $\varnothing$ <b>0,9</b> mm · <b>1,0</b> Kg · sold in <b>5 blister pack</b>	
	<b>21910108B5</b>	Wire reel blister · <b>Steel SG2</b> · $\varnothing$ <b>0,8</b> mm · <b>1,0</b> Kg · sold in <b>5 blister pack</b>	
	<b>21910047B5</b>	Wire reel blister · <b>AlMg5 5356</b> · $\varnothing$ <b>0,8</b> mm · <b>0,5</b> Kg · sold in <b>5 blister pack</b>	
	<b>21910088B5</b>	Wire reel blister · <b>AISi5 4043</b> · $\varnothing$ <b>0,8</b> mm · <b>0,5</b> Kg · sold in <b>5 blister pack</b>	
	<b>21910089B5</b>	Wire reel blister · <b>AISi5 4043</b> · $\varnothing$ <b>1,0</b> mm · <b>0,5</b> Kg · sold in <b>5 blister pack</b>	
	<b>21910111B5</b>	Wire reel blister · <b>Inox 308L Si</b> · $\varnothing$ <b>0,8</b> mm · <b>0,5</b> Kg · sold in <b>5 blister pack</b>	
	<b>21910056B5</b>	Wire reel blister · <b>CuSi3</b> · $\varnothing$ <b>0,8</b> mm · <b>0,9</b> Kg · sold in <b>5 blister pack</b>	

## GENERAL ACCESSORIES

## MAGNETIC HOLDERS

	21905123	Arrow magnetic holder · holds up to 22 Kg	
	21905124	Arrow magnetic holder · holds up to 34 Kg	
	21905140	Magnetic holder with ON/OFF function · holds up to 40 Kg	<b>NEW</b>
	21905141	Adjustable magnetic holder · holds up to 12 Kg	<b>NEW</b>
	21905142	Adjustable magnetic holder XL · holds up to 15 Kg	<b>NEW</b>
	21905199	90° Magnetic holder · holds up to 15 Kg	<b>NEW</b>
	21905200	Magnetic angle clamp	<b>NEW</b>
	21905201	Multifunction MIG pliers	<b>NEW</b>
	21905173	Magnetig MIG torch holder · BLUE	
	21905174	Magnetic TIG torch holder · YELLOW	
	21905175	Magnetic MMA torch holder · RED	

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Россия +7(495)268-04-70

Казахстан +7(727) 345-47-04

Беларусь +(375) 257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [hvi@nt-rt.ru](mailto:hvi@nt-rt.ru) || сайт: <https://helvi.nt-rt.ru/>