



7

POWER TOOLS

LYM SERVICES



YOUR TRUSTED SERVICE PARTNER



TRADITIONAL MMA WELDING MACHINE 130 A



REF **143TA4943**

- Welding electrodes: 2 to 3,2 mm
- Thermal overload protection

Standard accessories:

- Earth clamp: 1,5 m
- Electrode holder: 1,5 m
- Hammer/brush
- Hand mask shade 11



50/60 Hz		I ₂ MMA	EN60974-1 (40 °C)		U ₀	Dimensions	Weight
			I _A (60%)	X% (I ₂ max)			
230 V	10 A	55-130 A	53 A	10%	48 V	360 x 180 x 390 mm	18 kg

TRADITIONAL MMA WELDING MACHINE 220 A



REF **143TA4944**

- Welding electrodes: 2 to 4 mm
- Thermal overload protection

Standard accessories:

- Mono/twophase connection
- Earth clamp: 1,5 m
- Electrode holder: 1,5 m
- Hammer/brush
- Hand mask shade 11



50/60 Hz		I ₂ MMA	EN60974-1 (40 °C)		U ₀	Dimensions	Weight
			I _A (60%)	X% (I ₂ max)			
230 V 1~	13 A	220 A	90 A	10%	48 V	360 x 180 x 390 mm	18 kg
400 V 2~	25 A	220 A	90 A	10%	48 V	480 x 300 x 380 mm	22 kg



POWER

TRADITIONAL MMA WELDING MACHINE 220 A

W



REF **143TA4945**

- Welding electrodes: 2,5 to 4 mm
- Thermal overload protection
- Standard not supplied with accessories



 50 Hz	IP	I ₂ MMA	EN60974-1 (40 °C) X% (I ₂ max)	U ₀ 	  Protected & compatible power generator (± 15%)	Dimensions	Weight
400 V 3~	215	80–220 A	220 A @ 35%	40–68 V	18 kVA	610 x 420 x 750 mm	74 kg

TRADITIONAL MMA WELDING MACHINE 260 A



REF **143TA4946**

- Welding electrodes: 3,2 to 5 mm
- Thermal overload protection
- Standard not supplied with accessories



 50 Hz	IP	I ₂ MMA	EN60974-1 (40 °C) X% (I ₂ max)	U ₀ 	  Protected & compatible power generator (± 15%)	Dimensions	Weight
400 V 3~	215	120–260 A	260 A @ 35%	38–70 V	20,5 kVA	610 x 420 x 750 mm	86 kg



MMA INVERTER/POTENTIOMETER MACHINE 200 A

REF 143TA4951

- Extra protection for use with generators and against voltage surges up to 400 V ($\pm 15\%$)
- Welding electrodes: 1,6 to 5 mm

Standard accessories:

- Plastic case
- Earth cable
- Electrode holder



50/60 Hz	AM	I ₂ MMA							EN60974-1 (40 °C)		U ₀ 	mm ² 	Protected & compatible power generator ($\pm 15\%$) 	Dimensions Weight
			Ø 1,6	Ø 2	Ø 2,5	Ø 3,2	Ø 4	Ø 5	I _A (60%)	X% (I ₂ max)				
230 V	32 A	10–200 A	62	50	47	45	30	21	120 A	20%	72 V	10/25	7 kW 10 kVA	140 x 180 x 270 mm 5 kg

MMA INVERTER/POTENTIOMETER MACHINE 200 A

REF 143TA4952

- Extra protection for use with generators and against voltage surges up to 400 V ($\pm 15\%$)
- Welding electrodes: 1,6 to 5 mm

Standard accessories:

- Plastic case
- Earth cable: 1,6 m – 25 mm²
- Electrode holder: 2 m – 25 mm²



AM	I ₂ MMA							EN60974-1 (40 °C)		U ₀ 	mm ² 	Protected & compatible power generator ($\pm 15\%$) 	Dimensions Weight
		Ø 1,6	Ø 2	Ø 2,5	Ø 3,2	Ø 4	Ø 5	I _A (60%)	X% (I ₂ max)				
32 A	10–200 A	62	50	47	45	37	30	140 A	25%	72 V	10/25	7 kW 10 kVA	140 x 180 x 270 mm 5,3 kg



POWER

WELDING - MMA

Holder type	A		 max		REF	
	35%	60%			1 pc	5 pc
 A	200 A	150 A	25 mm ²	3,2 mm	143TA5275 – 1x	
 B	200 A	150 A	35 mm ²	4 mm	140TA9106 – 1x 143TA5273 *	143TA5453 (Old: 74/9536-1059)
 C	299 A	250 A	50 mm ²	5 mm	143TA5274 – 1x 143TA5275 *	143TA5454 (Old: 74/9536-721)
 D	400 A	300 A	70 mm ²	6,3 mm	140TA9107 (Old: 74/9536-983)	
 E	400 A	300 A	70 mm ²	6,3 mm	140TA9109 (Old: 74/9536-1061)	
 F	500 A	400 A	95 mm ²	6,3 mm	140TA9108 (Old: 74/9536-1060)	

* Blister packaging

Electrode holders					
Holder type	A	Length			REF
B	150/200 A	4 m	16 mm ²	10/25 mm ²	143TA5276 (Old: 74/9536-1504)
B	200 A	4 m	25 mm ²	35/50 mm ²	143TA5277 (Old: 74/9536-1505)
C	300 A	4 m	35 mm ²	35/50 mm ²	143TA5278 (Old: 74/9536-1506)
F	500 A	4 m	50 mm ²	35/50 mm ²	143TA5279





MMA KIT

REF **143TA5289**

(Old: 74/9536-1498)

MMA kit 16 mm²**Contents:**

- Electrode holder: 2 m – 150/200 A
- Earth clamp: 1,6 m
- Connector: 10/25 mm²

REF **143TA5290**

(Old: 74/9536-1499)

MMA kit 25 mm²**Contents:**

- Electrode holder: 2 m – 200 A
- Earth clamp: 1,6 m
- Connector: 10/25 mm²



WELDING – MMA

MMA KIT 35 MM²REF **143TA5291**

(Old: 74/9536-1073)

Contents:

- Electrode holder: 4 m – 300 A
- Earth clamp: 4 m
- Connector: 35/50 mm²



CHIPPING HAMMER – WOODEN HANDLE

REF **143TA5292**

- Length: 240 mm
- Weight: 425 g



CHIPPING HAMMER – WOODEN HANDLE

REF **143TA5455**

- Length: 280 mm
- Weight: 465 g



CHIPPING HAMMER – PVC HANDLE

REF **143TA5456**

(Old: 74/9536-985)

- Length: 260 mm
- Weight: 240 g



CHIPPING HAMMER – PVC HANDLE

REF **143TA5457**

- Length: 240 mm
- Weight: 425 g





STARTER WELDING KIT

Welding-MMA

REF **143TA5280**

Contient :

Masque de protection
1 paire de gants de soudure
Marteau/ brosse



PROFESSIONAL WELDING KIT

REF **143 TA5281**

Contient :

Tablier de soudure
Gants de soudure
Marteau d'écaillage
Brosse en acier



STEEL BRUSH – WOODEN HANDLE

REF **143TA5287** – 1 pièce

STEEL BRUSH – PVC HANDLE

REF **143TA5284** – 1 pièceREF **143TA5282** – 24 pièces



REF **143TA5288** – 1 pièce



STAINLESS STEEL BRUSH – PVC HANDLE



REF **143TA5283** – 1 pièce

REF **143TA5285** – 24 pièces



HAMMER BRUSH



REF **143TA5286**

1 pièce





Clamp type	A		 max	REF	
	35%	60%		1 pc	25 pc
 A	200 A	150 A	35 mm ²	143TA5293	143TA5294 143TA5295* (Old: 74/9536-1056)
 B	400 A	300 A	70 mm ²	143TA5458 143TA5296* (Old: 74/9536-982)	143TA5459
 C	300 A			143TA5297	143TA5298
 D	400 A			143TA5299	143TA5300
 E	400 A		70 mm ²	143TA5301	
 F	500 A	400 A	70 mm ²	143TA5302	
 G	500 A	400 A	70 mm ²	143TA5460	
 H	500 A	500 A	95 mm ²	143TA5461	143TA5462

* Blister packaging

Assembled					
Clamp type	A	Length			REF
A	150/200 A	2 m	16 mm ²	10/25 mm ²	143TA5320 (Old: 74/9536-2012)
B	250 A	3 m	25 mm ²	10/25mm ²	143TA5321
B	250 A	4 m	25 mm ²	35/50mm ²	143TA5322 (Old: 74/9536-1507)
D	300 A	4 m	25 mm ²	35/50mm ²	143TA5323
B	400 A	4 m	35 mm ²	35/50mm ²	143TA5324
D	500 A	4 m	50 mm ²	35/50mm ²	143TA5325 (Old: 74/9536-1493)
H	600 A	4 m	70 mm ²	35/50mm ²	143TA5326





GYS

 max		REF		
10 mm ²	M5	143TA5327	(Old: 74/9536-1317)	
16 mm ²	M5	143TA5328	(Old: 74/9536-1318)	
25 mm ²	M5	143TA5329	(Old: 74/9536-1319)	
35 mm ²	M6	143TA5330	(Old: 74/9536-1320)	
50 mm ²	M10	143TA5331	(Old: 74/9536-1321)	
70 mm ²	M10	143TA5332	(Old: 74/9536-1322)	
95 mm ²	M10	143TA5629	(Old: 74/9536-1323)	

WELDING - MMA

WELDING CABLES

		REF	
16 mm ²	1 m	143TA5303	(Old: 74/9536-1308)
	100 m	143TA5304	(Old: 74/9536-1309)
25 mm ²	1 m	143TA5305	(Old: 74/9536-1310)
	5 m	143TA5306	(Old: 74/9536-1311)
35 mm ²	1 m	143TA5307	(Old: 74/9536-1312)
	100 m	143TA5308	(Old: 74/9536-1313)
50 mm ²	1 m	143TA5309	(Old: 74/9536-1314)
	100 m	143TA5310	(Old: 74/9536-1315)
70 mm ²	1 m	143TA5311	(Old: 74/9536-1316)
	100 m	143TA5312	(Old: 74/9536-1317)
95 mm ²	1 m	143TA5313	



GYS

CONNECTORS

Female connectors			
	 min/max	REF	
T25	10/25 mm ²	143TA5333	
T50	35/50 mm ²	143TA5334	
	70/95 mm ²	143TA5335	

Male connectors			
	 min/max	REF	
T25	10/25 mm ²	143TA5336	
T50	35/50 mm ²	143TA5337	
	70/95 mm ²	143TA5338	

Set connectors (male/female)

	 min/max	REF	
T25	10/25 mm ²	143TA5339* (Old: 74/9536-923)	
T50	35/50 mm ²	143TA5340* (Old: 74/9536-922)	

* Blister packing

GYS



	 min/max	REF
T25	10/25 mm ²	143TA5314
T50	35/50 mm ²	143TA5315
	70/95 mm ²	143TA5316



GOUGING TORCH

REF [143TA5317](#)

1000 A



GOUGING ELECTRODES

REF [143TA5318](#)

* Diamètre : 6,4 mm

* 50 pièces

REF [143TA5319](#)

* Diamètre : 8mm

* 50 pièces





NO GAS MIG WELDING MACHINE 140 A



REF 143TA4975

- Easy-to-use and intuitive with the "Smart" solution
- Adaptable to dia 100 mm wire reels
- NO GAS wire diameter: 0,9 mm

Standard accessories:

- Earth clamp
- Fixed torch: 2,2 m



50/60 Hz	AM	min> max	Ø mm		Ø mm			Electr. control	Original equipment		EN60974-1 (40 °C)		U ₀	Protected & compatible power generator (± 15%)	Dimensions Weight
			GAS	NO GAS	100	200	300				I _A (60%)	X% (I ₂ max)			
230 V	13 A	40– 110 A		0,9	■				0,9	0,9		85 A 6%	25– 30 V	3 kVA	160 x 370 x 360 mm 14 kg

MIG/MAG WELDING MACHINE 140 A



REF 143TA4976

(Old: 73/9536-2013)

- Easy-to-use and intuitive with the "Smart" solution
- Adaptable to dia 100 and 200 mm wire reels
- 2 processes: MIG/MAG for indoor welding wire dia 0,6 – 0,8 mm and NO GAS for outdoor welding wire dia 0,9 mm

Standard accessories:

- Earth cable
- Fixed torch: 2,2 m



 50/60 Hz	 AM	 min> max	 Ø mm		 Electr. control	 Original equipment	 EN60974-1 (40 °C)		 U ₀	 Protected & compatible power generator 15%)	 Dimensions Weight
230 V	13 A	40– 140 A	GAS NO GAS 0,6– 0,8 0,9 ■		 0,6/ 0,8	0,8	60 A	90 A 20%	28– 39 V	3,5 kVA	240 x 420 x 380 mm 21 kg



MIG WELDING MACHINE 180 A

REF 143TA4979

- Easy-to-use and intuitive with the "Smart" solution
- Adaptable to dia 200 and 300 mm wire reels
- 2 processes: MIG/MAG for indoor welding wire dia 0,6–1 mm and NO GAS for outdoor welding wire dia 0,9–1,2 mm

Standard accessories:

- Earth cable: 3 m
- Removable MIG torch: 3 m – 150 A



50/60 Hz	AM	min> max	Ø mm		Ø mm			Electr. control	Original equipment		EN60974-1 (40 °C)		U ₀	Protected & compatible power generator (± 15%)	Dimensions Weight
			GAS	NO GAS	100	200	300				I _A (60%)	X% (I ₂ max)			
230 V	16 A	35– 180 A	0,6– 1,0	0,9– 1,2		■	■		0,6/ 0,8	0,8	80 A	140 A 15%	28– 45 V	6 kVA	390 x 800 x 700 mm 46 kg

MIG WELDING MACHINE 180 A

REF 143TA4980

- Easy-to-use and intuitive with the "Smart" solution
- Adaptable to dia 200 and 300 mm wire reels
- 2 processes: MIG/MAG for indoor welding wire dia 0,6–1 mm and NO GAS for outdoor welding wire dia 0,9–1,2 mm

Standard accessories:

- Earth cable: 3 m
- Removable MIG torch: 3 m – 150 A



50/60 Hz	AM	min> max	NO GAS	Electr. control	Original equipment		EN60974-1 (40 °C)		U ₀	Protected & compatible power generator 15%)	Dimensions Weight
							I _A (60%)	X% (I ₂ max)			
400 V 3~	10 A	30– 180 A	0,9– 1,2		0,6/ 0,8	0,8	90 A	140 A	17– 28,5 V	4,2 kVA	390 x 800 x 700 mm 51 kg



POWER

WELDING - M

MIG/MAG PRO WELDING MACHINE 140 A

REF **143TA4987**

(Old: 74/9536-1130)

2 settings:

- Synergic mode: the microprocessor controller will automatically set the optimum wire speed. This avoids complex set-up and ensures optimum welding parameters
- Manual mode: manual adjustment of wire speed

Standard accessories:

- Earth cable
- Removable MIG torch: 3 m – 150 A



 50/60 Hz		 min> max	 Ø mm		 Ø mm			 Electr. control	Original equipment		EN60974-1 (40 °C)		 U ₀	 Protected & compatible power generator (± 15%)	Dimensions Weight	
			GAS	NO GAS	100	200	300				I _A (60%)	X% (I ₂ max)				
230 V 1~	13 A	40– 140 A	0,6– 1,0			■	■		0,6/ 0,8	0,8	70 A	140 A 15%	18– 28 V		4,5 kVA	470 x 770 x 790 mm 50 kg

MIG/MAG PRO WELDING MACHINE 200 A

REF **143TA4988**

(Old: 74/9536-2200)

Current smoothed by capacitors for better melting and less spatter

3 modes:

- 2 times
- Spot welding
- Delay (spot welding with time adjustment between 2 spots)

2 settings:

- Synergic mode: the microprocessor controller will automatically set the optimum wire speed. This avoids complex set-up and ensures optimum welding parameters
- Manual mode: manual adjustment of wire speed

Standard accessories:

- Earth cable
- Removable MIG torch: 4 m – 250 A



 50/60 Hz	 AM	 min> max		 Electr. control	 Original equipment	 EN60974-1 (40 °C)		 U ₀	 Protected & compatible power generator 15%)	 Dimensions Weight	
230 V 1~	25 A	30– 200 A		 0,8/ 1,0	1,0	110 A	200 A	17– 34 V	7,5 kVA	470 x 770 x 790 mm 70 kg	



MIG/MAG INVERTER MACHINE 150 A

REF 143TA4981

- Extra protection for use with generators and against voltage surges up to 400 V ($\pm 15\%$)
- Adaptable to dia 100 and 200 mm wire reels

2 processes:

- MIG/MAG for indoor welding wire dia 0,6–0,8 mm
- NO GAS for outdoor welding wire dia 0,9 mm

Standard accessories:

- Earth cable
- Removable torch: 2,2 m – 150 A



50/60 Hz	AM	min> max	Ø mm		Ø mm			Electr. control	Original equipment		EN60974-1 (40 °C)		Protected & compatible power generator ($\pm 15\%$)		Dimensions Weight
			GAS	NO GAS	100	200	300				IA (60%)	X% (I2 max)			
230 V 1~	13 A	20– 150 A	0,6– 0,8	0,9	■	■			0,6/ 0,8	0,8	90 A	150 A 26%	7,5 kW	9 kVA	230 x 430 x 330 mm 14 kg

MIG/MAG INVERTER MACHINE 190 A

REF 143TA4984

- Extra protection for use with generators and against voltage surges up to 400 V ($\pm 15\%$)
- Adaptable to dia 100 and 200 mm wire reels

2 processes:

- MIG/MAG for indoor welding wire dia 0,6–1 mm
- NO GAS for outdoor welding wire dia 0,9 mm

Synergic mode:

- Automatically determine the ideal wire speed and voltage by selecting the wire type, the diameter of the wire, the thickness of the metal to weld and the gas used
- Select the synergy for a plate weld or an angle weld
- Adjust the penetration by changing the arc length
- Adjust the spot and delay modes



50/60 Hz	AM	min> max	Ø mm		Ø mm			Electr. control	Original equipment		EN60974-1 (40 °C)		Protected & compatible power generator ($\pm 15\%$)		Dimensions Weight
			GAS	NO GAS	100	200	300				IA (60%)	X% (I2 max)			
110 V 1~	32 A	20– 120 A	0,6– 1,0	0,9	■	■			0,6/ 0,8	0,8	110 A	120 A 45%	7,5 kW	9 kVA	200 x 450 x 360 mm 12 kg
230 V 1~	13 A	20– 190 A									120 A	190 A 22%			



- 360° comfort grip
- Ergonomic concept

For	Cooling	I max	Length	Contact tip support type	Original contact tip equipped		X%	REF
Steel/ Stainless steel	Air	150 A	3 m	A	M6	Ø 0,8 mm	150 A @ 60%	143TA5048 (Old: 74/9536-978)
		150 A	3 m	A	M6	Ø 0,8 mm	150 A @ 60%	143TA5049
		250 A	3 m	B	M6	Ø 1,0 mm	200 A @ 60%	143TA5050
			4 m					143TA5051
		350 A	3 m	C	M8	Ø 1,2 mm	290 A @ 60%	143TA5052
			4 m					143TA5053 (Old: 74/9536-1353)
	Liquid	300 A	3 m	C	M6	Ø 1,2 mm	270 A @ 100%	143TA5054
			4 m					143TA5055
		500 A	4 m	E	M8	Ø 1,2 mm	380 A @ 100%	143TA5056
Alu	Air	150 A	3 m	A	M6	Ø 0,8 mm	150 A @ 60%	143TA5057 (Old: 74/9536-1034)
		250 A	3 m	B	M6	Ø 1,0 mm	200 A @ 60%	143TA5058
			4 m					143TA5407
		350 A	3 m	C	M8	Ø 1,2 mm	290 A @ 60%	143TA5059
			4 m					143TA5060 (Old: 74/9536-1558)
		300 A	3 m	C	M6	Ø 1,2 mm	270 A @ 100%	143TA5061
	Liquid		4 m					143TA5062
		500 A	4 m	E	M8	Ø 1,0 mm	380 A @ 100%	143TA5063 (Old: 74/9536-1523)



Type A
A 150 A - MB15



Type B
B 250 A - MB25



Type C
C 300 A - MB 240/
350 A - MB36



Type D
D 500 A - MB401

SHEATHS

	L	Dia 0,6 & 0,8 mm	Dia 1,0 & 1,2 mm	Dia 1,2 & 1,6 mm
Steel	3 m	143TA5076 (Old: 74/9536-1373)	143TA5079	143TA5038 (Old: 74/9536-1378)
Steel	4 m	143TA5077 (Old: 74/9536-965)	143TA5080 (Old: 74/9536-966)	143TA5410 (Old: 74/9536-967)
Stainless steel	3 m	143TA5078 (Old: 74/9536-1375)	143TA5081 (Old: 74/9536-969)	
Alu	4 m	143TA5409	143TA5082 – (1,0)	143TA5083





ACCESSORIES



WELDING – MIG/MAG

REF [143TA5411](#)**Contents:**

- 3 contact tip supports
- 5 springs
- Contact tips:
 - 5 x M6 – dia 0,6 mm
 - 5 x M6 – dia 0,8 mm
 - 5 x M6 – dia 0,6 mm for alu
- 3 gaz nozzles

REF [143TA5412](#)**Contents:**

- 5 springs
- 3 contact tip supports
- Contact tips:
 - 5 x M6 – dia 0,8 mm
 - 5 x M6 – dia 1,0 mm
 - 5 x M6 – dia 1,0 mm for alu
- 3 gaz nozzles

REF [143TA5413](#)**Contents:**

- 2 contact tip supports
- 3 diffusers
- Contact tips:
 - 5 x M8 – dia 1,0 mm
 - 5 x M8 – dia 1,2 mm
 - 5 x M8 – dia 1,0 mm for alu
 - 5 x M8 – dia 1,2 mm for alu
- 2 gaz nozzles

Rollers

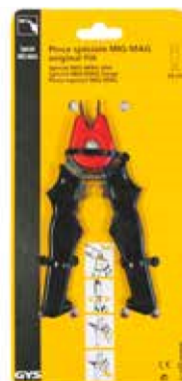
				
	Diameter	Type A Pearl, Smartmig 110, -142, -163,- 3P	Type B Smartmig 182-183, Monogys, Trimig, Pearl XL, TF 4R	Type C Magys, Neopulse, WS 4L, WS 4R
Steel	0,6/0,8 mm	143TA5104 (Old: 74/9536-1384)	143TA5153 (Old: 74/9536-1387)	143TA5159 – 2 pc 143TA5160 – 2 pc
	0,8/1,0 mm	143TA5105	143TA5154 (Old: 74/9536-1388)	143TA5161 – 2 pc
	1,0/1,2 mm		143TA5155 (Old: 74/9536-1389)	143TA5162 – 2 pc
	1,2/01,6 mm			143TA5163 – 2 pc
Aluminium	0,8/1,0 mm	143TA5106	143TA5156 (Old: 74/9536-1390)	143TA5164 – 2 pc
	1,0/1,2 mm		143TA5157 (Old: 74/9536-1391)	143TA5165 – 2 pc
	1,2/1,6 mm			143TA5166 – 2 pc
NO GAS	0,9/1,2 mm	143TA5152 (Old: 74/9536-1386)	143TA5158 (Old: 74/9536-1392)	143TA5167 – 2 pc
NO GAS	0,9 mm	143TA5414 – Smartmig		143TA5168 – 2 pc

REF **143TA5415**

(Old: 74/9536-1028)

Can be used to:

- Clean the gaz nozzle
- Cut welding wire
- Prepare contact tube nozzle



CONNECTION CABLE

Length	Air cooling		Liquid cooling	
	Diameter	REF	Diameter	REF
1,6 m			70 mm ²	143TA5178
5 m	50 mm ²	143TA5174	70 mm ²	143TA5416
5 m	70 mm ²	143TA5175		
10 m	50 mm ²	143TA5176	70 mm ²	143TA5179
10 m	70 mm ²	143TA5177	95 mm ²	143TA5180
15 m			95 mm ²	143TA5181
20 m			95 mm ²	143TA5182
30 m			95 mm ²	143TA5183



NO GAS WELDING KIT

REF **143TA5184**

Used for the following welding machines:

- Universal 3P
- Monomig 160 - 1
- Pearl
- Smartmig

Contents:

- Contact tip M6 - 0,9 mm
- Isolated nozzle
- Roller type A 0,9/1,2 mm



ANTI-SPATTER SPRAY (WITHOUT SILICONE)

REF **143TA5185**

Spray to remove the adhesive





WELDING – MIG/MAG



REF [143TA5254](#)

REF	143TA5260	143TA5261	143TA5262	143TA7520
Gas mix	Argon + Co ₂	Argon		
Welding application	MIG-MAG (steel/stainless steel)			MIG-MAG (alu) TIG (steel/stainless steel/alu)
Volume	1 l	1,8 l	2,2 l	2,2 l
Pressure at 20 °C	110 bar	84 bar	100 bar	100 bar
Dimensions	80 x 285 mm	102 x 280 mm	102 x 325 mm	102 x 325 mm
Weight	1190 g	1650 g	2000 g	2000 g

AR/CO₂



REF [143TA5262](#)
2,2 l

PROFESSIONAL PRESSURE REGULATOR

REF [143TA4957](#) – FR
(Old: 74/9536-945)

REF [143TA4958](#) – UK

REF [143TA4959](#) – NL

- 20 l/min
- With dual gauge



FLOWMETER OPTIMAPRO ECO WITH TUBE

REF [143TA5422](#) – FR

REF [143TA5257](#) – DE

REF [143TA5258](#) – UK

REF [143TA5259](#) – NL

30 l/min





TIG DC HF WELDING MACHINE 160 A

REF **143TA4966**

(Old: 74/9536-1521)

- **Extra protection for use with generators and against voltage surges up to 400 V ($\pm 15\%$)**
- Memory capability allows you to save up to 5 chosen preset programs

Arcing:

- 2 methods: LIFT in specific conditions or HF without contact
- Adjust ideal position: this system assists in the positioning of the electrode before the current increases to its maximum. A very low current is supplied (10 A), acting like a beam of light (available in 4 times and 4 times log mode)

3 modes:

- 2 times
- 4 times (to weld extensively without having to hold the trigger)
- 4 times LOG: enables switching between 2 operator preset welding intensities (hot current and cold current)

3 TIG processes:

- Normal: pre gas, up slope, current, post gas, down slope
- Pulse:
 - Easy pulse: the operator sets the average welding intensity. The unit will manage automatically the frequency and the hot and cold current
 - Normal mode: the operator adjusts the hot and cold current and the frequency (0,2–20 Hz)
- Spot TIG

Standard accessories:

- Earth clamp
- Electrode holder
- TIG torch
- TIG consumables box



 50/60 Hz	 16 A	I ₂		EN60974-1 (40 °C)		 U ₀	 Protected & compatible power generator ($\pm 15\%$)		Dimensions Weight
		TIG	MMA	I _A (60%)	X% (I ₂ max)				
230 V	16 A	10–160 A	10–160 A	100 A	21%	70 V	6 kW	7,5 kVA	140 x 370 x 300 mm 9 kg


REF 143TA4967

- **Extra protection for use with generators and against voltage surges up to 400 V ($\pm 15\%$)**
- Memory capability allows you to save up to 5 chosen preset programs

Arcing:

- 2 methods: LIFT in specific conditions or HF without contact
- Adjust ideal position: this system assists in the positioning of the electrode before the current increases to its maximum. A very low current is supplied (10 A), acting like a beam of light (available in 4 times and 4 times log mode)

3 modes:

- 2 times
- 4 times (to weld extensively without having to hold the trigger)
- 4 times LOG: enables switching between 2 operator preset welding intensities (hot current and cold current)

3 TIG processes:

- Normal: pre gas, current increase, intensity (1 or 2 current settings possible in 4 time log mode), post gas, current decrease
- Pulse:
 - Easy pulse: the operator sets the average welding intensity. The unit will manage automatically the frequency and the hot and cold current
 - Normal mode: the operator adjusts the hot and cold current and the frequency (0,2–20 Hz)
- Spot TIG
- Automatic torch detection: the machine is compatible with a standard or double button torch, with, or without an integrated potentiometer

Standard accessories:

- TIG torch
- TIG consumables box
- Earth clamp
- Electrode holder

PFC FV SR

CE

GYS

 50/60 Hz		I ₂			EN60974-1 (40 °C)		 U ₀	 mm ²	  Protected & compatible power generator (± 15%)		Dimensions Weight
		TIG		MMA	I _A (60%)	X% (I ₂ max)					
		AC	DC								
230 V 1~	13 A		5–200 A	10–200 A	140 A	30%	76 V	35/50	7 kW	8,75 kVA	420 x 150 x 310 mm 12 kg
110 V 1~	32 A		5–180 A	10–120 A	115 A	26%					

REF **143TA5187**

GAS COUPLING

REF **143TA5188**

Diamètre : 5 mm



TIG TORCH STAND WITH MAGNETIC BASE

REF **143TA5189**



ACCESSORIES

Choose your torch	SR9		SR17		SR26			SR20			SR18	
TIG 160 DC	L			DB								
TIG 168 DC		DB	L	DB								
TIG 200 DC FV			L	DB	L	DB	P					
TIG 207 AC/DC FV					L	DB	P					
TIG 208 AC/DC					L	DB	P	L	DB	P		
TIG 250 DC					L	DB	P				L	DB
TIG 250 AC/DC							P					

• V: with valve
 • L: with trigger
 • DB: double button
 • P: double button with potentiometer



COMPLETE TORCH

		SR9		SR17		
		L	DB	V	L	DB
	X % DC	110 A @ 60%		140 A @ 60%		
	X % AC	95 A @ 60%		125 A @ 60%		
Cooling system		Air		Air		
10/25	4 m	143TA5190 (Old: 74/9536-1065)		143TA4953 (Old: 74/9536-653)		143TA5196
	8 m	143TA5191				
35/50	4 m			143TA5193 (Old: 74/9536-1064)	143TA5194 (Old: 74/9536-1324)	143TA5197
	8 m		143TA5192		143TA5195	143TA5198
EURO connector	4 m					143TA5199



		SR26			SR20			SR18	
		L	DB	P	L	DB	P	L	DB
	X % DC	240 A @ 60%			220 A @ 100%			320 A @ 100%	
	X % AC	220 A @ 60%			200 A @ 100%			240 A @ 100%	
Cooling system		Air			Liquid			Liquid	
10/25	4 m								
	8 m								
35/50	4 m	143TA5200	143TA5202	143TA5204		143TA5207			143TA5211
	8 m	143TA5201	143TA5203 (Old: 74/9536-1511)	143TA5205	143TA5206	143TA5208	143TA5209	143TA5210	143TA5212
EURO connector	4 m								



	Diameter	REF SR9	REF SR17 & SR26	REF SR20	REF SR18
 Ceramic gas nozzle	N4 – 6,5 mm	143TA5213 3 pieces*	143TA5213 3 pieces*		
	N5 – 8,0 mm		143TA5225 3 pieces*		143TA5225 3 pieces*
	N6 – 9,5 mm	143TA5214 3 pieces*		143TA5214 3 pieces*	
	N7 – 11 mm		143TA5226 3 pieces*		143TA5226 3 pieces*
	N8 – 12,5 mm			143TA5238 3 pieces*	
 Support clamp and nozzle	1,6 mm	143TA5215 3 pieces*	143TA5227 3 pieces*	143TA5215 3 pieces*	143TA5227 3 pieces*
	2,0 mm	143TA5216 3 pieces*		143TA5216 3 pieces*	
	2,0/2,4 mm		143TA5228 (Old: 74/9536-1513) 3 pieces*		143TA5228 (Old: 74/9536-1513) 3 pieces*
	2,4 mm	143TA5217 3 pieces*		143TA5217 3 pieces*	
	3,2 mm		143TA5229 3 pieces*	143TA5239 3 pieces*	143TA5229 3 pieces*
Insulating ring adaptor		143TA5218 1 piece*	143TA5230 1 piece*	143TA5218 1 piece*	143TA5230 1 piece*
 Diffuser clamp bracket	1,6 mm	143TA5219 3 pieces*	143TA5231 3 pieces*	143TA5219 3 pieces*	143TA5231 3 pieces*
	2,0 mm	143TA5220 3 pieces*	143TA5232 3 pieces*	143TA5220 3 pieces*	143TA5232 3 pieces*
	2,4 mm	143TA5221 3 pieces*	143TA5233 3 pieces*	143TA5221 3 pieces*	143TA5233 3 pieces*
	3,2 mm		143TA5234 3 pieces*	143TA5222 3 pieces*	143TA5234 3 pieces*
 Back cap	Short	143TA5222 1 piece*	143TA5235 1 piece*	143TA5222 1 piece*	143TA5235 1 piece*
	Long	143TA5223 1 piece*	143TA5236 1 piece*	143TA5223 1 piece*	143TA5236 1 piece*
 Boxes *included in the box (1 of each)		143TA5224 (Old: 74/9536-1352) DC Electrode WR 2 dia 1,6 mm included	143TA5237 (Old: 74/9536-658) AD/DC Electrode WR dia 1,6 mm and dia 2,4 mm included	143TA5241 AD/DC Electrode WR dia 1,6 mm and dia 2,4 mm included	143TA5237 (Old: 74/9536-658) AD/DC Electrode WR2 dia 1,6 mm and dia 2,4 mm included

REF [143TA5255](#)

12 l/min



GAS CONNECTOR

REF [143TA5256](#)

SUPPORT WELDING CABLE

REF [143TA5263](#)



REF [143TA5264](#)



ANTI-SPATTER FLUID

Picture not
yet available

REF [143 TA5265](#)

10 l



METALLIC SPRAY BOTTLE



REF [143TA5266](#)



ANTI-SPATTER PASTE



REF [143TA5237](#)

300g



REF **143TA5268**

HEAT COVERS

1 REF **143TA5269**

* 550°C/1000°F

* 2 x 2 m



1

2 REF **143TA5270**

* 1200° C/220 °F

* 1.75 x 1.5 m



2



WELDING CURTAIN AND FRAME

REF **143TA5271**

- 2000 x 2000 mm
- EN 1598





PLASMA CUTTER 25 A

REF 143TA4970

- Extra protection for use with generators and against voltage surges up to 400 V ($\pm 15\%$)
- Internal air compressor
- Cuts up to 6 mm steel, stainless steel and cast iron
- Cuts up to 4 mm aluminium and copper
- This machine enables you to cut 0,6 mm metal sheets at low intensity
- With the Pilot Arc system, the arc starts without having any contact with the welding sheet. Starting without HF avoids any electromagnetic interference (radio, computers, phones, medical equipment ...)
- 4 m torch with safety trigger to avoid accidental contact



 50/60 Hz	 I ₂	 mm	EN60974-1 (40 °C)				Air system			 Protected & compatible power generator (± 15%)	Dimensions Weight		
			Max cut		Clean cut		IA (60%)	X% (I2 max)	Pressure bar			L/mm	Compr. inside
			Steel	Alu	Steel	Alu							
230 V 1~	16 A	5– 25 A	6	4	4	3	12 A	26%	Included	■	4,1 kW	5,9 kVA	220 x 450 x 310 mm 17,2 kg

PLASMA CUTTER 35 A

REF 143TA4971

- Extra protection for use with generators and against voltage surges up to 400 V ($\pm 15\%$)
- Internal air compressor
- Cuts up to 12 mm steel, stainless steel and cast iron
- Cuts up to 8 mm aluminium and copper
- With the Pilot Arc system, the arc starts without having any contact with the welding sheet. Starting without HF avoids any electromagnetic interference (radio, computers, phones, medical equipment ...)
- 4 m torch with safety trigger to avoid accidental contact



 50/60 Hz	 AM	I2	 mm				EN60974-1 (40 °C)		Air system			 Protected & compatible power generator (± 15%)		Dimensions Weight
			Max cut		Clean cut		IA (60%)	X% (I2 max)	Pressure bar	L/mm	Compr. inside			
			Steel	Alu	Steel	Alu								
230 V 1~	16 A	10– 35 A	12	8	8	6	28 A	30%	Included	■	8 kW	10 kVA	280 x 520 x 460 mm 30 kg	



PLASMA CUTTER 85 A

REF 143TA4974

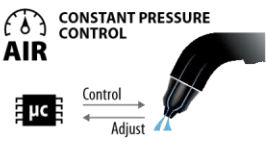
- Extra protection for use with generators and against voltage surges up to 400 V (± 15%)
- Internal air compressor
- Cuts up to 40 mm steel, stainless steel and cast iron
- Cuts up to 40 mm aluminium and copper
- Clean cut up to 30 mm
- Severance cut up to 40 mm
- 4 cutting modes: solid sheet, metal meshed, gouging, locked solid sheet
- Automatic or manual air pressure adjustment
- 4 m torch with safety trigger to avoid accidental contact



With the Pilot Arc system, the arc starts without having any contact with the welding sheet. Starting without HF avoids any electromagnetic interference (radio, computers, phones, medical equipment ...)

AD

NEW TECHNOLOGY



- This new technology allows:
- Longer consumable life of the plasma torch
 - Increased productivity and lower operating costs
 - High-quality cutting result
 - To adapt to the length of different torches proposed



 50/60 Hz	 32 A	 min> max	 mm				EN60974-1 (40 °C)		Air system		 Protected & compatible power generator (± 15%)		Dimensions Weight
			Max cut		Clean cut		I _A (60%)	X% (I ₂ max)	Pressure bar	L/mm			
			Steel	Alu	Steel	Alu							
400 V	32 A	25– 85 A	40	40	30	30	66 A	85 A 60%	5–9	270		25 kVA	300 x 620 x 440 mm 32 kg



ELECTRODES - BLISTER PACKS

GYS

A – Steel

	 X ...	REF	
Ø 1,6 mm	17 pieces	140TA9115	(Old: 74/9536-722)
	50 pieces	140TA9110	(Old: 74/9536-1083)
Ø 2,0 mm	13 pieces	140TA9116	(Old: 74/9536-723)
	50 pieces	140TA9111	(Old: 74/9536-1084)
Ø 2,5 mm	11 pieces	140TA9117	(Old: 74/9536-724)
	50 pieces	140TA9112	(Old: 74/9536-1085)
Ø 3,2 mm	9 pieces	140TA9118	(Old: 74/9536-725)
	50 pieces	140TA9113	(Old: 74/9536-1086)
Ø 4,0 mm	8 pieces	140TA9119	(Old: 74/9536-726)
	50 pieces	140TA9114	(Old: 74/9536-1087)



B – Cast iron

	 X ...	REF	
Ø 2,5 mm	12 pieces	140TA9122	(Old: 74/9536-729)
Ø 3,2 mm	9 pieces	140TA9123	(Old: 74/9536-730)



C – Stainless steel (308L)

	 X ...	REF	
Ø 2,5 mm	10 pieces	143TA5341	





D – Stainless steel (316L)

	 X ...	REF
Ø 2,0 mm	12 pieces	143TA5341
Ø 2,5 mm	10 pieces	143TA5342
	30 pieces	140TA9120 (Old: 74/9536-727)
Ø 3,2 mm	8 pieces	143TA5343
	25 pieces	140TA9121 (Old: 74/9536-728)



E – Stainless steel (312R)

	 X ...	REF
Ø 2,5 mm	54 pieces	143TA5345
Ø 3,2 mm	28 pieces	143TA5346



F – Aluminium

	 X ...	REF
Ø 3,2 mm	5 pieces	143TA5347





GYS

G & H – Steel

Fig						kg	REF
G	Ø 1,6 mm	300 mm	210 pieces		x	1,65 kg	140TA9124 (Old: 74/9536-930)
	Ø 2,0 mm	350 mm	155 pieces		x	2,08 kg	140TA9125 (Old: 74/9536-931)
	Ø 2,5 mm	350 mm	110 pieces		x	2,11 kg	140TA9127 (Old: 74/9536-932)
	Ø 3,2 mm	350 mm	70 pieces		x	2,09 kg	140TA9129 (Old: 74/9536-933)
	Ø 4,0 mm	350 mm	47 pieces		x	2,21 kg	140TA9131 (Old: 74/9536-934)
H	Ø 2,0 mm	350 mm	355 pieces	x		4,82 kg	140TA9126 (Old: 74/9536-1088)
	Ø 2,5 mm	350 mm	230 pieces	x		4,46 kg	140TA9128 (Old: 74/9536-1089)
	Ø 3,2 mm	350 mm	165 pieces	x		4,85 kg	140TA9130 (Old: 74/9536-1090)
	Ø 4,0 mm	350 mm	110 pieces	x		5,39 kg	140TA9132 (Old: 74/9536-1091)



WELDING – CO

I & J – Hardfacing

Fig				kg	REF
I	Ø 3,2 mm	450 mm	141 pieces	6,6 kg	140TA9133 (Old: 74/9536-1306)
	Ø 4,0 mm	450 mm	90 pieces	6,8 kg	140TA9134 (Old: 74/9536-1307)
J	Ø 2,5 mm	350 mm	46 pieces	1 kg	143TA5348
	Ø 3,2 mm	450 mm	22 pieces	1 kg	143TA5349
	Ø 4,0 mm	450 mm	14 pieces	1 kg	143TA5350



Norms

	DIN	AWS	EN	DB
A – G – H		AWS A 5.1: E 6013	EN 449: E 420 RC 11	10.064.02
B	DIN 8573: E Ni Fe BG 13	AWS A 5.15: E Ni Fe C1		
C		AWS A 5.4: E308 L-17		
D	DIN 8556: E 19 12 3 NCR23	AWS A 5.1: E316 L-16	EN 1600: 19123 LR12	
F		AWS A 5.3: E 4043		
I – J	DIN 8555: E2-UM-60			



WELDING WIRE REELS

GYS

Welding wire reels

REF **143TA5366**
Adapter

Ecological wire reel

REF **143TA5367**
(Old: 74/9536-1516)
Adapter

	Weight	100 mm		Dia 0,6 mm	Dia 0,8 mm	Dia 0,9 mm	Dia 1,0 mm	Dia 1,2 mm
Steel (SG2)	0,9 kg	100 mm		143TA5353	143TA5355			
	5 kg	200 mm		140TA9135 (Old: 74/9536-1092)	140TA9137 (Old: 74/9536-995)		140TA9143 (Old: 74/9536-996)	
	15 kg	300 mm		140TA9136 (Old: 74/9536-990)	140TA9138 (Old: 74/9536-991)		140TA9144 (Old: 74/9536-992)	140TA9148 (Old: 74/9536-993)
	18 kg		300 mm		143TA5356		143TA5368	143TA5371
Galva (G2Ti)	5 kg	200 mm		143TA5354	143TA5357			
Aluminium (AlMg5)	0,5 kg	100 mm			143TA5358			
	2 kg	200 mm			140TA9139 (Old: 74/9536-998)		140TA9146 (Old: 74/9536-999)	
	7 kg	300 mm					140TA9145 (Old: 74/9536-1093)	140TA9149 (Old: 74/9536-994)
Aluminium (AlSi5)	0,5 kg	100 mm			143TA5359			
	2 kg	200 mm					143TA5369	143TA5372
Aluminium (AlSi12)	0,5 kg	100 mm			143TA5360			
	2 kg	200 mm					143TA5370	143TA5373
Stainless steel (308LSi)	1 kg	100 mm			143TA5361			
	5 kg	200 mm			143TA5362			
Stainless steel (316LSi)	5 kg	200 mm			140TA9140 (Old: 74/9536-997)			
Boron Steel	1 kg	100 mm			143TA5363			
	5 kg	200 mm			140TA9141 (Old: 74/9536-1380)		140TA9147 (Old: 74/9536-1381)	
Boron steel	5 kg	200 mm			143TA5364			
Cored wire – steel – no gas	4,5 kg	200 mm				140TA9142 (Old: 74/9536-989)		140TA9150 (Old: 74/9536-1094)
	0,9 kg	100 mm				143TA5365		

Norms

DIN	AWS	EN	DIN	AWS	EN
DIN 1732: AlMg5	AWS A.5.18: ER7056	EN 440: G3 Si 1	DIN 1733: CuSi3	AWS A 5.9: ER316L Si	EN 12072: G19 12 3L
	AWS A 5.18: ER7052			AWS A 5.7: ER CuSi-A	
	AWS A 5.10: ER5356			AWS A 5.7: ER CuAl-A1	EN 12072: G19 9L
	AWS A 5.10: ER4043			AWS A 5.20: E71T-GS	
	AWS A 5.10: ER4047				EN 758: T 42 Z W N 1H10
DIN 1913: E 51 21 R3	AWS A 5.9: ER308L Si	EN 12072: G19 9L			



TIG FILLER RODS

GYS

WELDING - CO

0,33 kg (L = 330 mm)	Diameter	Pieces	REF
Steel (SG2)	1,6 mm	60	143TA5374
	2,0 mm	40	143TA5375
Stainless steel (308LSi)	1,6 mm	60	143TA5376
	2,0 mm	40	143TA5377
Stainless steel (316LSi)	1,6 mm	60	143TA5378
	2,0 mm	40	143TA5379



5 kg (L = 1 m)	Diameter	Pieces	REF
Steel (SG2)	1,6 mm	319	143TA5380 (Old: 74/9536-1346)
	2,0 mm	204	143TA5381
	2,4 mm	142	143TA5382 (Old: 74/9536-1347)
Stainless steel (308LSi)	1,6 mm	319	143TA5383
	2,0 mm	204	143TA5384
Stainless steel (316LSi)	1,6 mm	315	143TA5385 (Old: 74/9536-1344)
	2,0 mm	205	143TA5386
	2,4 mm	140	143TA5387 (Old: 74/9536-1345)
Aluminium (AlMg5)	1,6 mm	920	143TA5388 (Old: 74/9536-1348)
	2,0 mm	590	143TA5389 (Old: 74/9536-1349)
	2,4 mm	410	143TA5390 (Old: 74/9536-1350)



ELECTRODES

Thoriated Tungsten (DC) Steel - Red				
Ø 1,6 mm	10 pieces	143TA5391 (Old: 74/9536-1066)		
Ø 2,0 mm	10 pieces	143TA5392 (Old: 74/9536-1337)		
Ø 2,4 mm	10 pieces	143TA5393 (Old: 74/9536-1338)		
Steel	Stainless steel	Aluminium	-	~
+++	+++	-	+++	-

Pure Tungsten (AC) Aluminium - Green				
Ø 1,6 mm	10 pieces	143TA5394 (Old: 74/9536-1339)		
Ø 2,4 mm	10 pieces	143TA5395 (Old: 74/9536-1340)		
Steel	Stainless steel	Aluminium	-	~
-	-	+++	-	+++

WR2 (AC/DC) Stainless steel - Blue				
Ø 1,6 mm	10 pieces	143TA5396 (Old: 74/9536-1341)		
Ø 2,0 mm	10 pieces	143TA5397 (Old: 74/9536-1342)		
Ø 2,4 mm	10 pieces	143TA5398 (Old: 74/9536-1343)		
Ø 3,2 mm	10 pieces	143TA5399		
Steel	Stainless steel	Aluminium	-	~
+++	+++	++	+++	++

Lanthanum Tungsten WL15 (AC/DC) Stainless steel - Yellow				
Ø 1,6 mm	10 pieces	143TA5400		
Ø 2,0 mm	10 pieces	143TA5401		
Ø 2,4 mm	10 pieces	143TA5402		
Ø 3,2 mm	10 pieces	143TA5403		
Steel	Stainless steel	Aluminium	-	~
+++	+++	++	+++	+++

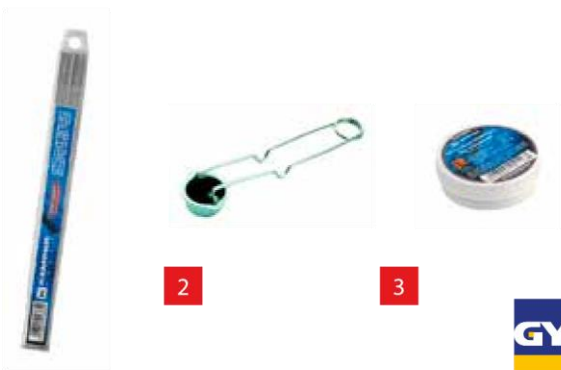




ACCESSORIES

Fig	Description	Diameter	Pieces	REF
1	Rods steel	2 mm	10	143TA4997
	Rods brass	2 mm	6	143TA4998
	Rods bronze	2 mm	6	143TA4999
	Rods copper	2 mm	6	143TA5000

- 2 REF [143TA5007](#) – Gas lighter
3 REF [143TA5008](#) – Welding grease (20 g)



WELDING – GO

BLOW TORCH



REF [143TA5001](#)



Gaz butane



REF [143TA5002](#)
190 g

BLOW TORCHES



- 1 REF [143TA5005](#) – Blow torch
2 REF [143TA5003](#) – Butane/propane refill
600 ml/330 g
3 REF [143TA5004](#) – High quality butane/propane/propylene refill
600 ml/330 g
4 REF [143TA5006](#) – High quality butane/propabne/propylene refill
380 ml/220 g



FIREPROOF PROTECTION HOOD

REF [143TA4996](#)

MULTI-USE LEATHER APRON

1 REF [143TA5009](#)2 REF [143TA5010](#)

WELDING SLEEVES

REF [143TA5630](#)

HAND MASK WELDING

REF [143TA5631](#)

Shade II



REF [143TA5632](#)



LCD TECHNO 11 WELDING HELMET



REF [143TA4438](#)

- Shade 11
- 430 g
- Reaction time: 0,28 ms



LCD TECHNO 9/13 WELDING HELMET



REF [143TA4439](#)

- LCD automatic technology
- Dimensions window: 92 x 42 mm
- Shade: 9/13
- 0,3 ms
- Adjustable sensitivity
- Adjustable delay
- 440 g

REF [143TA5634](#)

- Helmet – external window
- Dimensions: 110 x 90 mm
- 5 pieces

REF 143TA5635

- Helmet – internal window
- Dimensions: 95,5 x 50,5 mm
- 5 pieces