

TELWIN[®]
JOIN THE INNOVATION

T

S

GENERAL CATALOGUE

O

S

TELWIN: the Home of Welding. The future lives

TELWIN: la Cittadella della Saldatura. Il futuro ha trovato casa.



Technology and innovation: our aim for over 55 years!

Da oltre 55 anni ci occupiamo di tecnologia e innovazione.

EN

Telwin is **leader** on all 5 continents, in more than 120 markets of the world. Telwin has the **widest**, most complete range on the market. Telwin is Research and Development, Hi-Tech, **Technological Innovation**. Telwin is a **Company System certified** according to UNI EN ISO 9001, UNI ISO 45001 and UNI EN ISO 140001.

IT

Telwin è **leader** in tutti i 5 continenti, in oltre 120 paesi del mondo. Telwin è la **gamma più ampia** e completa del mercato. Telwin è Ricerca e Sviluppo, Hi-Tech, **Innovazione Tecnologica**. Telwin è un **Sistema Azienda organizzato certificato** UNI EN ISO 9001, UNI ISO 45001 e UNI EN ISO 140001.

FR

Telwin est **leader** sur les 5 continents et sur plus de 120 marchés dans le monde entier. Telwin est la **gamme la plus vaste** et la plus complète du marché. Telwin est Recherche et Développement, Hi-Tech, **Innovation Technologique**. Telwin est un **Système d'Entreprise certifié** UNI EN ISO 9001, UNI ISO 45001 et UNI EN ISO 140001.

ES

Telwin es **una presencia en los 5 continentes**, en mas de 120 mercados en todo el mundo. Telwin es la **gama mas amplia** y completa del mercado. Telwin es Investigación y Desarrollo, Hi-Tech, **Innovación Tecnológica**. Telwin es un **Sistema de Empresa certificado** UNI EN ISO 9001, UNI ISO 45001 y UNI EN ISO 140001.

DE

Telwin ist **Leader** auf allen 5 Kontinenten, in mehr als 120 Ländermarkten. Telwin ist das **reichhaltigste** und **lückenloseste** Angebot auf dem Markt. Telwin ist Forschung und Entwicklung, Hi-Tech, **Technologische Innovation**. Telwin ist ein **Qualitätsmanagement**, das nach UNI EN ISO 9001, UNI ISO 45001 und UNI EN ISO 140001 zertifiziert ist.

RU

Telwin **представлен на 5 континентах** более чем в 120 странах мира. Telwin **предлагает наиболее широкую** и **полную гамму** продукции на рынке. Telwin **это поиск Поиск и Развитие**, Hi-Tech, **Технологическая Инновация**. Telwin **Система Предприятия, имеющая сертификацию** согласно стандартам UNI EN ISO 9001, UNI ISO 45001 и UNI EN ISO 140001.



here.



JOIN THE INNOVATION



Telwin Quality: get the best for your job!
 Qualità Telwin: il meglio per il tuo lavoro!



Company



CERTIFIED QUALITY SYSTEM
UNI EN ISO 9001



CERTIFIED SYSTEM
UNI ISO 45001



CERTIFIED SYSTEM
UNI EN ISO 14001

Products



Approved by

Mercedes Benz



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MMA Electrode Welding



ELEMENTS
LINE
inverter

NEW

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX



A T-Arc 120



B T-Arc 150



C T-Arc 160

D T-Arc 210

NEW

T-ARC DISPLAYER

MACHINES NOT INCLUDED



803516

PROMO PACK



T-Arc 160 + Automatic mask 816163

OPTIONAL

MMA - MIG/MAG TIG MASK



TRIBE 9-13
804233
MORE MASKS
Pag. 71

RUTILE ELECTRODES STEEL

- Ø 1,6mm 15pcs
802616
- Ø 2mm 15pcs
802617
- Ø 2,5mm 15pcs
802618
- Ø 3,2mm 8pcs
802619 **BCD**
- Ø 4mm 8pcs
802620 **CD**

RUTILE ELECTRODES STAINLESS STEEL

- Ø 2,5mm 10pcs
802623
- Ø 3,2mm 8pcs
802624

BASIC ELECTRODES STEEL

- Ø 2,5mm 10pcs
802621
- Ø 3,2mm 8pcs
802622

RUTILE ELECTRODES IN BOX - STEEL

- Ø 2mm 2,5 kg
802737
- Ø 2,5mm 2,5 kg
802739
- Ø 3,2mm 4 kg
802749 **BCD**

MAGNETIC HOLDER



23 kg 802583
34 kg 804130

MORE
Pag. 80

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	TELWIN %USE /0 _{20°C}	A _{MAX} 40°C EN 60974-1 A	A _{60%} 40°C EN 60974-1 A	V ₀	A _{60%} MAX	P _{60%} MAX	P _{GEN}	I	η _φ	Ø _{DC} MIN/MAX	IP	W _H	kg
		V (50-60Hz)	A				V	A	kW	kW	A	1/cos φ	mm		mm	kg
T-Arc 120 + ACC.	816165	230 1 ph	10 - 80	50% @ 80A	80 5%	-	72	15	2,3	3	10	0,82 0,6	1,6 2,5	IP21	280 L 125 W 180 H	3,8
T-Arc 150 + ACC.	816162	230 1 ph	10 - 140	60% @ 130A	130 20%	70	72	14 27	2 4	6	16	0,83 0,65	1,6 3,2	IP21	280 L 125 W 180 H	4,0
T-Arc 160 + ACC.	816161	230 1 ph	10 - 160	75% @ 160A	140 20%	70	72	14 31	2 4,5	6	16	0,82 0,6	1,6 4	IP21	280 L 125 W 180 H	4,0
T-Arc 210 + ACC.	816166	230 1 ph	20 - 200	65% @ 180A	180 20%	100	60	18 36	2,9 5,5	8	16	0,9 0,65	1,6 4	IP21	305 L 125 W 195 H	4,3

MMA Electrode Welding



ELEMENTS
LINE
inverter



A Infinity 120

B Infinity 150



C Infinity 170

D Infinity 172

E Infinity 180

F Infinity 220

G Infinity 228 CE

OPTIONAL

TIG WELDING KIT 801097 CDEF 802491 G	GAS REGULATOR 722119 CDE FG	MMA - MIG/MAG TIG MASK TRIBE 9-13 804233 MORE MASKS Pag. 71	RUTILE ELECTRODES STEEL Ø 1.6mm 15pcs 802616 Ø 2mm 15pcs 802617 Ø 2.5mm 15pcs 802618 Ø 3.2mm 10pcs 802619 Ø 4mm 8pcs 802620 BCDEFG	RUTILE ELECTRODES STAINLESS STEEL Ø 2.5mm 10pcs 802623 Ø 3.2mm 8pcs 802624 BCDEFG	BASIC ELECTRODES STEEL Ø 2.5mm 10pcs 802621 Ø 3.2mm 8pcs 802622 BCDEFG	RUTILE ELECTRODES IN BOX - STEEL Ø 2.5mm 2.5 kg 802737 Ø 2.5mm 2.5 kg 802739 Ø 3.2mm 4 kg 802749 BCDEFG	MAGNETIC HOLDER 23 kg 802583 34 kg 804130 MORE Pag. 80 GLOVES MONTANA 804105 MORE GLOVES Pag. 77
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TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	TELWIN 0% USE / 20°C	A _{MAX} 40°C	A _{60%} 40°C	V ₀	A _{60%} MAX	P _{60%} MAX	P _{GEN}	η	φ	Ø DC MIN/MAX	IP	W ^L H	kg	
		V (50-60Hz)	A		EN 60974-1 A	EN 60974-1 A	V	A	kW	kW	A	η/cos φ	mm		mm	kg	
A	Infinity 120 + ACC.	816078	230 1 ph	10 - 80	50%@80A	80 5%	-	72	-	2,3	3	10	0,82 0,6	1,6 2,5	IP21	320 L 370 W 145 H	2,9
B	Infinity 150 + ACC.	816079	230 1 ph	10 - 130	60%@125A	125 7%	-	72	-	3,5	5	16	0,82 0,6	1,6 3,2	IP21	320 L 370 W 145 H	3,5
C	Infinity 170 + ACC.	816124	230 1 ph	20 - 150	-	140 25%	80	75	14 28	2 4,5	6	16	0,87 0,7	1,6 4	IP23	355 L 145 W 240 H	4,9
D	Infinity 172 + ACC.	816125	115/230 1 ph	20 - 100 (115V) 20 - 150 (230V)	-	90 50% 140 25%	80	75	26 29 14 28	2,2 2,6 2,1 4,4	5 6	20 16	0,87 0,7	1,6 4	IP23	355 L 145 W 240 H	4,9
E	Infinity 180 + ACC.	816081	230 1 ph	20 - 160	-	160 35%	120	60	23 30	3,3 4,5	7	-	0,9 0,7	1,6 4	IP23	355 L 145 W 240 H	6,2
F	Infinity 220 + ACC.	816082	230 1 ph	20 - 200	-	200 35%	140	60	24 36	4 6	10	-	0,92 0,7	1,6 4	IP23	400 L 145 W 240 H	6,6
G	Infinity 228 CE + ACC.	816084	230 1 ph	20 - 200	-	200 35%	140	60	24 36	4 6	10	-	0,92 0,7	1,6 4	IP23	400 L 145 W 240 H	6,6

MMA Electrode Welding



ELEMENTS
LINE

H Marte 150

OPTIONAL

RUTILE ELECTRODES STEEL

- Ø 1,6mm
15pcs
☐ 802616
- Ø 2mm
15pcs
☐ 802617
- Ø 2,5mm
15pcs
☐ 802618

RUTILE ELECTRODES IN BOX - STEEL

- Ø 2mm
2,5 kg
☐ 802737
- Ø 2,5mm
2,5 kg
☐ 802739

MAGNETIC HOLDER

- 23 kg ☐ 802583
- 34 kg ☐ 804130
- MORE Pag. 80

GLOVES

- MONTANA
☐ 804105
- MORE GLOVES
Pag. 77

TECHNICAL DATA

	CODE	V _{PH} V (50-60Hz)	A _{MIN} A	V ₀ V	P _{MAX} kW	A	Ø _{DC} MIN/MAX mm	IP	W ^H mm	kg	
H	Marte 150	809039	230 1 ph	30 - 100	47	2,5	16	1,6 2,5	IP21	315x175x250	11,3

MIG-MAG Welding



- I** MAX 1kg
- J** MAX 5kg 200mm
- CE**
- EAC**

NEW
FLUX ONLY



ELEMENTS
LINE



I Bimax 120 Automatic

J Bimax 140 Turbo

OPTIONAL

	MIG READY BOX C	MMA - MIG/MAG TIG MASK	STEEL KIT - GAS - Throwaway Bottle	STEEL KIT - GAS - Refillable Bottle	GAS CONNECTION KIT Throwaway Bottle	GAS CONNECTION KIT Refillable Bottle	ALUMINIUM KIT	STAINLESS STEEL KIT	MIG-MAG CONSUMABLES
	☐ 804149 J	TRIBE 9-13 ☐ 804233 MORE MASKS Pag. 71	☐ 802147 J	☐ 802148 J	☐ 802032 J	☐ 802708 J	☐ 802036 J	☐ 802037 J	Pag. 87
	QUICK GAS CONNECTOR ☐ 804208								

TECHNICAL DATA

	CODE	V _{PH} V (50-60Hz)	A _{MIN} A	A _{MAX} 40°C EN 60974-1 A	A _{60%} 40°C EN 60974-1 A	V ₀ V	P _{MAX} kW	A	cos φ	N°	Ø _{ST}	Ø _{SS}	Ø _{AL}	Ø _{FX}	IP	W ^H mm	kg	
I	Bimax 120 Automatic	821077	230 1 ph	60 - 90	90 10%	-	30	2,6	10	0,9	2	-	-	-	0,8 0,9	IP21	355 L 175 W 300 H	11,6
J	Bimax 140 Turbo	821076	230 1 ph	50 - 120	105 15%	50	30	1,5 3,6	10	0,9	4	0,6 0,8	0,8	0,8	0,8 0,9	IP21	420 L 240 W 370 H	17,3

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

MIG-MAG Welding



MAX 5kg
200mm

ABC

MAX 15kg
300mm

DE



A Maxima 160 Synergic

B Maxima 190 Synergic

ELEMENTS
LINE

inverter



ELEMENTS
LINE

MULTIPROCESS
MIG - MMA - TIG

inverter



MULTIPROCESS
MIG - MMA - TIG

inverter



C Maxima 200 Synergic



D Maxima 230 Synergic



E Maxima 270

MIG - MAG CONSUMABLES PAG.87/88

OPTIONAL

MIG READY BOX C



804149 **ABCD**

GAS REGULATOR



722119 **DE**

722341 **D**

ALUMINIUM KIT



802036 **AB**

802115 **CDE**

STEEL KIT - GAS - Throwaway Bottle



802147 **ABC**

STEEL KIT - GAS - Refillable Bottle



802148 **ABC**

GAS CONNECTION KIT Throwaway Bottle



802032 **ABC**

Refillable Bottle



802708 **ABC**

STAINLESS STEEL KIT



802037

NAIL SPOT WELDING KIT



802034 **ABCD**

MIG-MAG TORCHES



4m MT15 742181 **CD**

4m MT25 742184 **E**

ELECTRODE HOLDER



804121 **CD**

804123 **E**

TIG TORCH



4m ST9V 722563 **CD**

4m ST26V 742058 **E**

TROLLEY ARCTIC



803059 **ABC**

TROLLEY AMERICA



803084 **ABC**

CONSUMABLES BOX



MT25 804152 **E**

QUICK GAS CONNECTOR



804208

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	A _{60%} MAX	P _{60%} MAX	η	φ	φ _{ST}	φ _{SS}	φ _{AL}	φ _{FX}	φ _{BZ}	φ _{DC} MIN/MAX	IP	W _L / W _H	kg	
		V (50-60Hz)	A	EN 60974-1 A	EN 60974-1 A	V	A	KW	A	11/cos φ	mm	mm	mm	mm	mm	mm	mm	mm	kg	
A	Maxima 160 Synergic	816085	230 1 ph	20 - 150	115 20%	65	44	9 18	1,2 2,6	16	0,86 0,7	0,6 0,8	0,8	0,8 1	0,8 1,2	0,8	-	IP23	450 L 235 W 370 H	9,3
B	Maxima 190 Synergic	816086	230 1 ph	20 - 170	140 20%	80	44	11 22	1,6 3,2	16	0,86 0,7	0,6 0,8	0,8	0,8 1	0,8 1,2	0,8	-	IP23	450 L 235 W 370 H	9,9
C	Maxima 200 Synergic	816087	230 1 ph	20 - 170	140 20%	80	44	11 22	1,6 3,2	16	0,86 0,7	0,6 0,8	0,8	0,8 1	0,8 1,2	0,8	1,6 3,2	IP23	450 L 235 W 370 H	11
D	Maxima 230 Synergic	816088	230 1 ph	20 - 220	180 20%	100	52	18 32	2,7 4,8	-	0,87 0,7	0,6 1	0,8 1	0,8 1	0,8 1,2	0,8 1	1,6 3,2	IP23	825 L 360 W 670 H	21
E	Maxima 270	816126	230 1 ph	20 - 250	220 20%	130	60	22 39	3,3 6,3	-	0,87 0,7	0,6 1,2	0,8 1	0,8 1	0,8 1,2	0,8 1	1,6 4	IP23	825 L 360 W 670 H	23

TIG Welding



ELEMENTS inverter
LINE



PULSE

OPTIONAL

CONSUMABLES BOX ST17-26 ☐ 804138	GAS REGULATOR ☐ 722119	CRYSTAL BOX CLEAR CUP Ø 1,6 ☐ 804204 CHAMPAGNE Ø 1,6 ☐ 804202 MORE Pag. 43	ELECTRODE HOLDER 25 mm ² 4m DX50 ☐ 804123	REMOTE CONTROLS 2 pot. ☐ 802336 Pedal ☐ 802017
QUICK GAS CONNECTOR ☐ 804208	TIG TORCH 8m ST26 ☐ 742616 Green line 4m ☐ 742618 8m ☐ 742619	STAINLESS STEEL TIG CLEANING KIT CLEANTECH 200 ☐ 850020	TROLLEY AMERICA ☐ 803084	

F Infinity Tig 225

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	A _{MAX} 40°C	V _O	A _{MAX} 60%	P _{MAX} 60%	η	Ø _{DC} MIN/MAX	IP	W ^H L	kg
		V (50-60Hz)	A	EN 60974-1 A	EN 60974-1 A	V	A	kW	η/cos φ	mm		mm	kg
F	816089	230 1 ph	10 - 200	200 25%	120	82	20 30	3,2 4,7	0,89 0,7	1,6 4	IP23	390x155x290	6

PLASMA CUTTING



ELEMENTS inverter
LINE

PLASMA CONSUMABLES PAG. 92

OPTIONAL

PH TORCH CONSUMABLES BOX



☐ 804117

CONTENT			
802420 6pcs	802422 2pcs	EXTENDED 802428 2pcs	802429 2pcs
802423 6pcs	802425 2pcs		

CIRCULAR CUTTING UNIT



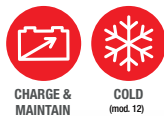
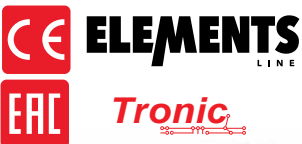
Ø max 680mm
☐ 804169

G Infinity Plasma 40

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	V _O	A _{MAX}	P _{MAX}	η	φ	MAX	↓	↕	IP	W ^H L	kg
		V (50-60Hz)	A	EN 60974-1 A	V	A	kW	η/cos φ	mm	L/min	bar			mm	kg
G	816145	230 1 ph	10 - 40	40 20%	313	29	4	16	0,85 0,7	15	100	4 - 5	IP23	550x145x240	6,5

CHARGING



NEW

Tronic

Pulse Tronic



H Defender 8 **6V 12V**



I Defender 12 **6V 12V**



J Defender 20 Boost **12V 24V**

TECHNICAL DATA

	CODE	V _{PH}	P	V	A _{EFF}	A _{EN}	Ah MIN/MAX	IP	W ^H L	kg
		V (50-60Hz)	W	V	A	A	Ah 15 h		mm	kg
H	807558	100 - 240 1 ph	15	6/12	0,75	0,75	2/20	IP20	50x80x30	0,2
I	807607	230 1 ph	62	6/12	2 (6V) 4 (12V)	2 (6V) 4 (12V)	2/40	IP54	250x73x45	0,5
J	807600	230 1 ph	110	12/24	8 (12V) 4 (24V)	8 (12V) 4 (24V)	5/180	IP20	300x95x55	1,2

MMA WELDING
MIG-MAG WELDING
TIG WELDING
PLASMA CUTTING
SPOT WELDING
CHARGING & STARTING
INDEX

CHARGING & STARTING



ELEMENTS
LINE

Tronic



A Touring 11

B Touring 15

C Touring 18

6V
12V **A**

12V
24V **B C**



ELEMENTS
LINE

Tronic



D Alaska 150 Start

E Alaska 200 Start

12V **D**

12V
24V **E**

2 IN 1: CHARGE & START!

OPTIONAL

FUSE KIT 10 PCS



- 802859 **A**
- 802255 **B**
- 802256 **C**

FUSE KIT 20 PCS



- 802259 **F**
- 802260 **G**
- 802029 **H**



ELEMENTS
LINE

F Sprinter 3000 Start

G Sprinter 4000 Start

H Sprinter 6000 Start

12V
24V

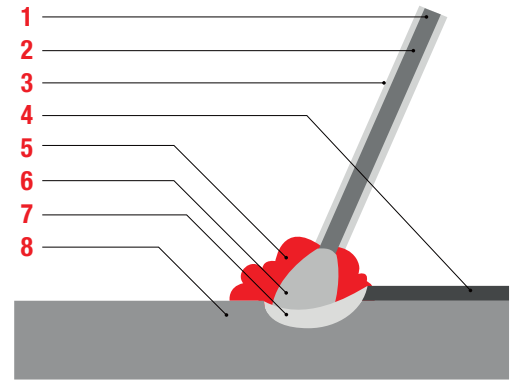
2 IN 1: CHARGE & START!

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH}	P	P _{C/A}	V	A _{EFF}	A _{EN}	A _{START MAX}	A _{1V/C}	Ah MIN/MAX	N°	mm (LxWxH)	kg	
				V (50-60Hz)	W	KW	V	A	A	A	A	Ah 15h			kg	
A	Touring 11	807591	x	-	230 1 ph	60	-	6/12	2 (6V) 6 (12V)	1,5 (6V) 3 (12V)	-	-	15/30 (6V) 25/55 (12V)	-	100x190x190	1,8
B	Touring 15	807592	x	-	230 1 ph	130	-	12/24	12 (12V) 6,5 (24V)	6 (12V) 4,5 (24V)	-	-	50/115 (12V) 30/55 (24V)	-	100x190x190	2,9
C	Touring 18	807593	x	-	230 1 ph	230	-	12/24	15 (12V) 8 (24V)	9 (12V) 6 (24V)	-	-	60/180 (12V) 50/115 (24V)	-	100x190x190	3,4
D	Alaska 150 Start	807576	x	x	230 1 ph	-	0,22/-	12	20	12	100	50	10/200	2	245x195x130	5,9
E	Alaska 200 Start	807577	x	x	230 1 ph	-	0,3/2,2	12/24	25 (12V) 12 (24V)	15 (12V) 8 (24V)	150	100	25/300 (12V) 30/160 (24V)	2	245x195x130	7,6
F	Sprinter 3000 Start	829390	x	x	230 1 ph	-	1/6,4	12/24	45	31	300	180	20/700	3	320x380x780	16,5
G	Sprinter 4000 Start	829391	x	x	230 1 ph	-	2/12	12/24	90	60	400	300	20/1000	4	320x380x780	19,8
H	Sprinter 6000 Start	829392	x	x	230 1 ph	-	2,2/12	12/24	105	70	570	360	20/1550	4	320x380x780	24

MMA PROCESS

- EN | 1. Electrode 2. Core 3. Coating 4. Slag 5. Gaseous protection
6. Welding arc 7. Melting pool 8. Base material
- IT | 1. Elettrodo 2. Anima 3. Rivestimento 4. Scoria 5. Protezione gassosa
6. Arco di saldatura 7. Bagno di fusione 8. Materiale base
- FR | 1. Électrode 2. Âme 3. Revêtement 4. Scories 5. Protection gazeuse
6. Arc de soudage 7. Bain de fusion 8. Matériau de base
- ES | 1. Electrodo 2. Alma 3. Rivestimento 4. Escoria 5. Protección gassosa
6. Arco de soldadura 7. Baño de fusión 8. Material de base
- DE | 1. Elektrode 2. Kern 3. Umhüllung 4. Schlacke 5. Gasschutz
6. Schweissbogen 7. Schmelzbad 8. Grundstoff
- RU | 1. Электрод 2. Сердцевина 3. Покрытие 4. Шлак 5. Газовая защита
6. Сварочная дуга 7. Расплав 8. Материал основы



MMA FEATURES

⬆️ PLUS

- EN | Highly practical • Highly economic • Without gas bottles • Welding in any positions
- IT | Elevata praticità • Alta economicità • Assenza di bombole gas • Saldatura in tutte le posizioni
- FR | Aspect pratique extrême • Haut économique • Pas de bouteille de gaz • Soudage en toutes positions
- ES | Elevada practicidad • Alta economicidad • Ausencia de bombonas de gas • Soldadura en todas las posiciones
- DE | Praktische Handhabung • Kostengünstig • Keine Gasflaschen • Schweißen in allen Lagen
- RU | Высокая практичность • Высокая экономичность • Отсутствие газовых баллонов • Сварка во всех положениях

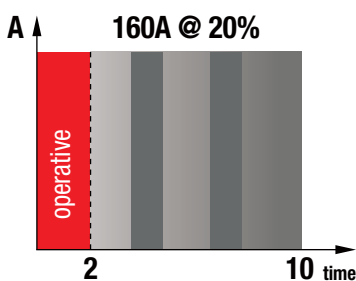
⬇️ MINUS

- EN | Low productivity • Slag removal from the piece
- IT | Limitata produttività • Rimozione delle scorie dal pezzo
- FR | Productivité limitée • Élimination scories de la pièce
- ES | Limitada productividad • Eliminación de escorias de la pieza
- DE | Beschränkte Produktivität • Entfernung der Schlacke vom Werkstück
- RU | Ограниченная производительность • Удаление шлаков с детали



DUTY CYCLE (EN 60974)

- EN | The Duty Cycle is the number of minutes within an interval of 10 minutes during which one welding machine can operate continuously at a given current. The Duty Cycle for the maximum current depends on the temperature at which it is measured; TELWIN states all Duty Cycle at an ambient temperature of 40°C.
- IT | Il Duty Cycle è il numero di minuti in un intervallo di 10 minuti durante i quali una saldatrice può lavorare continuamente ad una data corrente. Il Duty Cycle relativo alla massima corrente dipende dalla temperatura alla quale viene misurato; TELWIN dichiara tutti i Duty Cycle alla temperatura ambiente di 40°C.
- FR | Le Cycle de travail correspond au nombre de minutes, dans un intervalle de 10 minutes, durant lesquelles un poste de soudage peut fonctionner en continu à une certaine courant. Le Cycle de travail relatif au courant maximal dépend de la température à laquelle il est mesuré; TELWIN déclare tous ses Cycles de travail à la température ambiante de 40°C.
- ES | El Duty Cycle es el número de minutos, en un intervalo de 10 minutos, durante los cuales una soldadora puede trabajar continuamente a una determinada corriente. El Duty Cycle relativo a la máxima corriente depende de la temperatura a la cual se mide; TELWIN declara todos los Duty Cycle a la temperatura ambiente de 40°C.
- DE | Die Einschaltdauer sagt aus, wie viele Minuten eine Schweißmaschine in einem 10 Minuten langen Zeitraum mit einer bestimmten Stromstärke kontinuierlich arbeiten kann. Die Einschaltdauer für den Höchststrom hängt davon ab, bei welcher Temperatur gemessen wird. Die von TELWIN genannten Einschaltauern beziehen sich auf eine Umgebungstemperatur von 40°C.
- RU | Рабочий цикл - это количество минут в 10-ти минутном интервале в ремени, которого сварочный аппарат может работать непрерывно при заданном значении тока. Рабочий цикл при максимальном токе зависит от температуры; TELWIN выводит все измерения рабочего цикла при внешней температуре 40°C.



EXAMPLE

- EN | I can weld continuously for 2 minutes before the welding machine stops for the first time.
- IT | Posso saldare ininterrottamente per 2 minuti prima che la saldatrice si fermi per la prima volta.
- FR | Je peux souder en continu pendant 2 minutes avant le poste de soudage s'arrêter pour la première fois.
- ES | Puedo soldar continuamente 2 minutos, antes de que la soldadora se detiene por la primera vez.
- DE | Ich kann kontinuierlich 2 Minuten lang schweißen, bevor die Schweißmaschine zum ersten Mal aufhört.
- RU | Я могу сварного непрерывно 2 минуты до остановки аппарата в первый раз.

PRODUCTS & ELECTRODES

Products	Current	Electrode Types					
		RT	BS	SS	CI	AL	CE
INVERTER							
Infinity, Force, Tecnica, Advance, Technology XT Superior 250	DC	✓	✓	✓	✓		
Motoinverter CE, Technology 238 XT CE/MPGE, Superior 320 CE VRD, Superior 400 CE VRD, Superior 630 CE VRD	DC _{CE}	✓	✓	✓	✓	✓	✓
TRADITIONAL							
Marte, Pratica, Nordica, Nordika, Artica 270, Eurarc 410	AC	✓					
Eurarc 322, 422, 522	2AC	✓	✓				
Linear	DC	✓	✓	✓	✓	✓	
Thunder 304 CE	DC _{CE}	✓	✓	✓	✓	✓	✓

LEGENDA

RT	EN Rutile IT Rutile	FR Rutile ES Rutile	DE Rutile RU Рутильные
BS	EN Basic IT Basico	FR Basique ES Básico	DE Basisch RU Щелочные
CI	EN cast iron IT ghisa	FR fonte ES fundición	DE Gußeisen RU Чугун
SS	EN stainless steel IT acciaio inox FR acier inox ES acero inoxidable DE Edelstahl RU Нержавеющая сталь		
AL	EN aluminium IT alluminio FR aluminium	ES aluminio DE Aluminium RU АЛЮМИНИЙ	
CE	EN cellulosic IT cellulosico FR cellulosique ES cellulosico DE Zellulosisch RU Целлюлозные		
AC	EN alternate current IT corrente alternata FR courant alternatif ES corriente alternada DE Wechselstrom RU переменный ток		
2AC	EN alternate current - double output IT corrente alternata - doppia uscita FR courant alternatif - sortie double ES corriente alterna - salida doble DE Wechselstrom - doppel Ausgang RU переменный ток - двойной выход		
DC	EN continuous current IT corrente continua FR courant continu ES corriente continua DE Gleichstrom RU постоянный ток		
ØE	EN electrode diameter IT diametro elettrodi FR diamètre électrodes ES diametro electrodos DE Elektrodendurchmesser RU Диаметр электрода		

CELLULOSIC ELECTRODES (CE MODELS)

EN | Adequate to weld pipes (deep and "viscous" pool) where it is necessary to be resistant to gas, water and liquids under pressure in general.

IT | Adatti alla saldatura di tubazioni (bagno profondo e "viscoso") dove è necessaria la tenuta al gas, all'acqua, ai liquidi in pressione in genere.

FR | Prévus pour le soudage de conduites (bain profond et visqueux) exigeant l'étanchéité au gaz, à l'eau et aux liquides sous pression en général.

ES | Adecuados para la soldadura de tuberías (baño profundo y viscoso) donde es necesaria la estanqueidad al gas, al agua, a los líquidos a presión en general.

DE | Zum Schweißen von Rohrleitungen geeignet, wenn gegen Gas, Wasser oder Druckflüssigkeiten im Allgemeinen abgedichtet werden muss (tiefreichendes, viskoses Schweißbad).

RU | Подходит для сварки труб (глубокий и "вязкий" расплав), где требуется герметичность для газа, воды, жидкостей под давлением в целом.



ELECTRODES & CURRENTS

EN | Welding current mean values (A)

ES | Valores mediana corriente soldadura (A)

IT | Valori medi corrente saldatura (A)

DE | Mittelwerte des Schweißstroms (A)

FR | Valeurs moyenne courante soudage (A)

RU | Средние значения тока сварки (A)

ØE mm	1,6	2	2,5	3,25	4	5	6
RT	30-55	40-70	50-100	80-130	120-170	150-250	220-370
BS	50-75	60-100	70-120	110-150	140-200	190-260	250-320
CE	20-45	30-60	40-80	70-120	100-150	140-230	200-300

MMA Electrode Welding

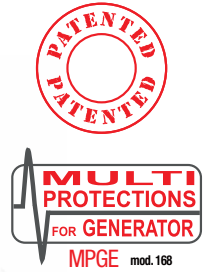


A Force 125 with accessories in cardboard carry case

inverter



COMPLETE WITH ACCESSORIES



inverter

B-C-D Force 145 - 165 - 195 with accessories in plastic carry case

E Force 168 MPGE

COMPLETE WITH ACCESSORIES

OPTIONAL

MMA - MIG/MAG TIG MASK



LION
804151
MORE MASKS
Pag. 71

RUTILE ELECTRODES STEEL

Ø 1,6mm	15pcs
802616	
Ø 2mm	15pcs
802617	
Ø 2,5mm	15pcs
802618	
Ø 3,2mm	10pcs
802619	BCD
Ø 4mm	8pcs
802620	CD

RUTILE ELECTRODES STAINLESS STEEL

Ø 2,5mm	10pcs
802623	
Ø 3,2mm	8pcs
802624	BCD

BASIC ELECTRODES STEEL

Ø 2,5mm	10pcs
802621	
Ø 3,2mm	8pcs
802622	BCD

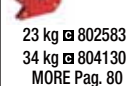
RUTILE ELECTRODES IN BOX - STEEL

Ø 2mm 2,5 kg	10pcs
802737	
Ø 2,5mm 2,5 kg	8pcs
802739	
Ø 3,2mm 4 kg	8pcs
802749	BCD

BASIC ELECTRODES IN BOX - STEEL

Ø 2,5mm 2,5 kg	8pcs
802748	
Ø 3,2mm 5 kg	8pcs
802947	BCD

MAGNETIC HOLDER



23 kg 802583
34 kg 804130
MORE Pag. 80

GLOVES



MONTANA 804105
MORE GLOVES
Pag. 77

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	TELWIN 0% USE / 20°C	A _{MAX} 40°C	V ₀	A _{60%} / A _{MAX}	P _{60%} / P _{MAX}	P _{GEN}	η	φ	Ø _{DC} MIN/MAX	IP	W ^H / L	kg
		V (50-60Hz)	A	% @ 80A	EN60974-1 A	V	A	kW	kW	A	1/1/cos φ	mm		mm	kg
A	Force 125 + accessories + cardboard carry case	230 1 ph	10 - 80	50% @ 80A	80 5%	72	- 15	- 2,3	3	10	0,82 0,6	1,6 2,5	IP21	320x370x145	3,1
B	Force 145 + accessories + plastic carry case	230 1 ph	10 - 130	60% @ 125A	125 7%	72	- 27	- 3,5	5	16	0,82 0,6	1,6 3,2	IP21	380x420x170	5,2
C	Force 165 + accessories + plastic carry case	230 1 ph	10 - 150	60% @ 150A	140 7%	72	- 31	- 4,1	6	16	0,82 0,6	1,6 4	IP21	380x420x170	5,5
D	Force 195 + accessories + plastic carry case	230 1 ph	15 - 170	40% @ 170A	160 8%	72	10 32	1,5 5	7	16	0,84 0,6	1,6 4	IP21	380x420x170	5,5
E	Force 168 MPGE + acc. in plastic carry case	230 1 ph	10 - 150	60% @ 150A	140 7%	72	- 31	- 4,1	6	16	0,82 0,6	1,6 4	IP21	380x420x170	5,5

TELWIN 0% USE / 20°C EN Datum created by Telwin, not included in the EN 60974-1 IT Dato ideato da Telwin, non presente nella EN 60974-1 FR Donnée crée par Telwin, non indiquée dans EN 60974-1 ES Dato ideado por Telwin, no presente en la EN 60974-1 DE Von Telwin geschaffener Wert, der nicht zur Norm EN 60974-1 gehört RU Это значение было придумано Telwin, оно отсутствует в стандарте EN 60974-1

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

MMA Electrode Welding



FORCE 145 + TIGER MASK + ACCESSORIES
cod. 815862

PROMOTION PACKAGE



FORCE 165 + AUTOMATIC MASK + ACCESSORIES
cod. 815863

PROMOTION PACKAGE

FORCE 125 + TIGER MASK + ACCESSORIES
cod. 815861



inverter



A Technica 171/S

B Technica 211/S



C Technica 188 MPGE

TECNICA IN PLASTIC CARRY CASE + ACCESSORIES

OPTIONAL

MMA WELDING KIT



16 mm² 3+2m DX25
801096 **ABC**

MMA - MIG/MAG TIG MASK



TRIBE 9-13
804233
MORE MASKS
Pag. 71

RUTILE ELECTRODES STEEL

Ø 1,6mm 15pcs
802616
Ø 2mm 15pcs
802617
Ø 2,5mm 15pcs
802618
Ø 3,2mm 10pcs
802619
Ø 4mm 8pcs
802620

RUTILE ELECTRODES STAINLESS STEEL

Ø 2,5mm 10pcs
802623
Ø 3,2mm 8pcs
802624

BASIC ELECTRODES STEEL

Ø 2,5mm 10pcs
802621
Ø 3,2mm 8pcs
802622

RUTILE ELECTRODES IN BOX - STEEL

Ø 2mm 2,5 kg
802737
Ø 2,5mm 2,5 kg
802739
Ø 3,2mm 4 kg
802749

BASIC ELECTRODES IN BOX - STEEL

Ø 2,5mm 2,5 kg
802748
Ø 3,2mm 5 kg
802947

TIG WELDING KIT



801097 **ABC**

TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{PH}	A _{MIN} / A _{MAX}	TELWIN % USE @ 20°C	A _{MAX} 40°C	A _{60%} 40°C	V _O	A _{60%} MAX	P _{60%} MAX	P _{GEN}	η	φ	Ø _{DC} MIN/MAX	IP	kg	GENERATOR ONLY
			V(50-60Hz)	A		EN60974-1 A	EN60974-1 A	V	A	kW	kW	A	η/cos φ	mm		kit (gen)	code
A	Technica 171/S	+ + ACC 816203	230 1 ph	10 - 150	88%@150A	140@25%	95	75	17 28	2,6 4,2	6	16	0,86 0,7	1,6 4	IP23	6,6 (4,1)	816003
B	Technica 211/S	+ + ACC 816122	230 1 ph	15 - 180	65%@180A	170@18%	105	75	19 34	2,9 5,3	7	16	0,88 0,7	1,6 4	IP23	6,7 (4,1)	816022
C	Technica 188 MPGE	+ + ACC 816212	230 1 ph	10 - 150	88%@150A	140@25%	95	75	17 28	2,6 4,2	6	16	0,86 0,7	1,6 4	IP23	7 (4,1)	816012

MMA Electrode Welding



XT RANGE



ANTI-SHOCK BUMPERS

Paraurti antishock • Protections antichoc
• Parachoques antigolpes • Anti-Schock-Schutz
• Ударозащитные бамперы



SIMPLE ADJUSTMENT

Regolazione semplice • Réglage simple • Regulación sencilla
• Einfache Einstellung • Упрощенная регулировка



Ø 50 MM CONNECTOR

Connettore Ø 50 mm • Connecteur Ø 50 mm
Connector Ø 50 mm • Verbinder Ø 50 mm
• Разъем Ø 50 mm



METAL HANDLE

Maniglia in metallo • Poignée en métal
Asa de metal • Metallgriff
• Металлическая рукоятка



Aluminium

D Technology 186 XT MPGE

E Technology 236 XT

F Technology 238 XT CE/MPGE

OPTIONAL

MMA WELDING KIT



25 mm² 3+2m DX50
□ 801081

MMA - MIG/MAG TIG MASK



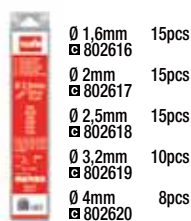
JAGUAR
Automatic
□ 804082
MORE MASKS
Pag. 71

HEAVY DUTY WATERPROOF CASE



□ 803400

RUTILE ELECTRODES STEEL



RUTILE ELECTRODES STAINLESS STEEL



BASIC ELECTRODES STEEL



RUTILE ELECTRODES IN BOX - STEEL



GLOVES



MONTANA PLUS
□ 804106

MORE GLOVES
Pag. 77

TIG WELDING KIT



□ 802491

TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	A _{60%} 40°C	V _O	A _{60%} MAX	P _{60%} MAX	P _{GEN}	η	φ	Ø _{DC} MIN/MAX	IP	kg	GENERATOR ONLY
			V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	kW	%/cos φ	mm			gen(kit)	code
D	+ AL + ACC	816250	230 1 ph	5 - 160	160@35%	120	60	18 32	2,7 5	7	0,9 0,7	1,6 4	IP23	6,5 (10,1)		816150
E	+ AL + ACC	816251	230 1 ph	5 200	200@35%	140	60	22 38	3,3 6	10	0,89 0,7	1,6 4	IP23	7,3 (10,6)		816151
F	+ AL + ACC	816252	230 1 ph	5 - 200	200@35%	140	80	20 39	3 6,3	10	0,87 0,7	1,6 4	IP23	7,2 (10,6)		816152

MMA Electrode Welding



TECNICA 190 TIG COMPLETE WITH TIG/MMA ACCESSORIES AND PLASTIC CARRY CASE

inverter



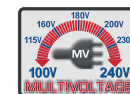
A Tecnica 190 TIG DC-lift VRD

MMA
TIG

BE READY TO WELD!



inverter



mod. 227



mod. 227

LCD
DISPLAY

50 mm²

B Advance 227 XT MV/PFC VRD

OPTIONAL

MMA WELDING KIT



16 mm² 3+2m DX25
801096 **A**

25 mm² 4+3m DX50
801081 **B**

MMA - MIG/MAG TIG MASK



JAGUAR Automatic
804082

HEAVY DUTY WATERPROOF CASE



803400 **B**

RUTILE ELECTRODES STEEL

Ø 1.6mm	15pcs
802616	
Ø 2mm	15pcs
802617	
Ø 2.5mm	15pcs
802618	
Ø 3.2mm	10pcs
802619	
Ø 4mm	8pcs
802620	

RUTILE ELECTRODES STAINLESS STEEL

Ø 2.5mm	10pcs
802623	
Ø 3.2mm	8pcs
802624	

BASIC ELECTRODES STEEL

Ø 2.5mm	10pcs
802621	
Ø 3.2mm	8pcs
802622	

RUTILE ELECTRODES IN BOX - STEEL

Ø 2mm	2,5 kg
802737	
Ø 2.5mm	2,5 kg
802739	
Ø 3.2mm	4 kg
802749	

TIG WELDING KIT



801097 **A**

802491 **B**

GLOVES



MONTANA PLUS
804106

MORE GLOVES
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TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{PH}	A _{MIN} / A _{MAX}	TELWIN O/USE 0/20°C	A _{MAX} 40°C	A _{60%} 40°C	V _O	A _{60%} MAX	P _{60%} MAX	P _{GEN}	η	φ _{DC} MIN/MAX	IP	kg	GENERATOR ONLY	
			V (50-60Hz)	A		EN60974-1 A	EN60974-1 A	V	A	kW	kW	A	mm		gen(kit)	code	
A	+ [ACC]	816220	230 1 ph	10 - 170	88% @ 150A	160 20%	110	78	17 29	2,6 4,4	6	16	0,86 0,7	1,6 4	IP23	4,3 (9,4)	816019
B	+ [AL] + [ACC]	816249	200 - 240 1 ph	10 - 200	-	200 30%	125	81	16,5 27	3,2 5,2	8	16	0,84 0,98	1,6 4	IP23	11,7	816049
			100 - 120 1 ph	10 - 120		150 30%*	95		24 33	2,3 3,1	5	20					

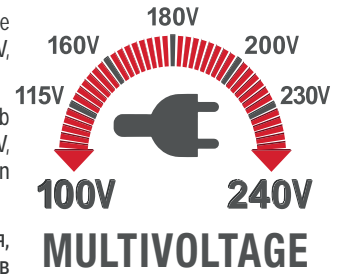
(*) A_{30%} = 120A@30% ⇒ I_φ = 15A

A FURTHER STEP TOWARDS PROGRESS

MULTIVOLTAGE

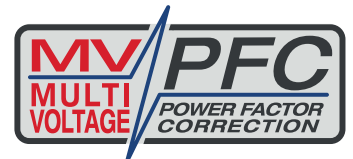
- EN| Flexible use with any voltage variable within a broad range (i.e. 100/120V, 180V, 200V, 220/240V) including undervoltages and overvoltages.
- IT| Flessibilità di utilizzo con qualsiasi tensione variabile entro un largo range (i.e. 100/120V, 180V, 200V, 220/240V) incluse sottotensioni e sovratensioni.
- FR| Flexibilité d'utilisation avec toute tension variable dans une gamme étendue (i.e. 100/120V, 180V, 200V, 220/240V) y compris les sous-tensions et les surtensions.

- ES| Flexibilidad de utilización con cualquier tensión variable en un amplio intervalo (i.e. 100/120V, 180V, 200V, 220/240V) incluyendo subtensiones y sobretensiones.
- DE| Flexible Anwendung bei jeder Spannung, die innerhalb eines weitreichenden Bereichs liegt (i.e. 100/120V, 180V, 200V, 220/240V) einschließlich Unterspannungen und Überspannungen.
- RU| Обеспечивает гибкость использования, поддерживая любое переменное напряжение в широком диапазоне (а именно, 100/120 В, 180 В, 200 В, 220/240 В), включая перенапряжение и недостаточное напряжение.



MV/PFC: POWER FACTOR CORRECTION

- EN| Maximum performance guaranteed also with a domestic socket (230V 16A).
- IT| Il massimo delle performance garantite anche dalla presa di casa (230V 16A).
- FR| Le maximum des performances garanties aussi depuis la prise domestique (230V 16A).
- ES| El máximo rendimiento garantizado incluso con la toma de casa (230V 16A).
- DE| Maximal garantierte Performance auch mit der Steckdose zu Hause der Haushaltsteckdose (230V, 16A).
- RU| Максимальная производительность также при питании от домашней розетки (230 В, 16 А).



VOLTAGE REDUCTION DEVICE

- EN| Improved safety in welding operations in humid environments (mines, shipyards, etc.).
- IT| Migliora la sicurezza nelle operazioni di saldatura in ambienti umidi (miniere, cantieri navali, ecc.).
- FR| Améliorer la sécurité lors des opérations soudage en milieux humides (mines, chantiers navals, etc.).

- ES| Mejora la seguridad en las operaciones de soldadura en ambientes húmedos (minas, astilleros navales, etc.).
- DE| Die Sicherheit während der Schweißarbeiten in feuchten Umgebungen (Minen, Schiffswerften, etc.) wird verbessert.
- RU| Повышает безопасность во время сварочных работ во влажных средах (шахты, верфи и т.д.).



LONG CABLES

- EN| They allow unlimited work far from the power source.
- IT| Consentono di lavorare anche lontano dalla fonte di alimentazione senza limitazioni.
- FR| Ils permettent de travailler même loin de la source d'alimentation sans limitations.

- ES| Permiten trabajar incluso lejos de la fuente de alimentación sin limitaciones.
- DE| Sie bieten die Möglichkeit auch weit weg von der Versorgungsquelle ohne Begrenzungen zu schweißen.
- RU| Позволяют работать вдали от источника питания без ограничений.



TIG-LIFT

- EN| High quality also in TIG welding.
- IT| Qualità di saldatura anche in TIG.
- FR| Qualité de soudage aussi en TIG.
- ES| Calidad de soldadura incluso en TIG.
- DE| Qualitativ hochwertige Schweißung auch beim WIG-Schweißen.
- RU| Качественная сварка также в режиме TIG.



MMA Electrode Welding



200A @35%
AT 40°C

A Superior 250

B Superior 320 CE VRD

inverter



TIG LIFT



Aluminium

inverter



TIG LIFT



MULTIPROCESS
MIG - MMA - TIG



Aluminium



C Superior 400 CE VRD

D Superior 630 CE VRD

MIG OPTIONS

SUPERIOR 400-630 MIG PACK (AQUA)



WIRE FEEDER
TX50



Pag.31

OPTIONAL

MMA WELDING KIT



25 mm² 4+3m DX50
801081 **A B**
50 mm² 4+3m DX50
801093 **C**
70 mm² 4+3m DX70
801106 **D**

ALUMINIUM KIT



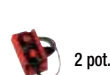
802273 **C D**
FLUX KIT
802276 **D**
802466 **C**

TIG TORCHES



4m 742058
GAS REGULATOR
722119

REMOTE CONTROLS



2 pot.
802336 **B C D**
Pedal
802017 **B C D**

GOUGING KIT



802666 **C D**
CARBON ELECTRODES
Ø 8mm 5pcs
802803 **C D**
Ø 10mm 5pcs
802305 **C D**

MIG-MAG TORCHES



3m 742186 **C**
4m 742187 **C**
5m 742188 **C**
3m 722798 **D**
5m 722800 **D**

WIRE FEEDER TX50



806110 **C D**
4 ROLLS
0,6+2mm
Max 15 Kg
300mm

CONNECTING CABLES



4m
802472 **C**
802348 **D**
10m
802473 **C**
802349 **D**
AQUA
4 m 802398 **C**
10 m 802399 **D**

TROLLEY NATIONAL



803076 **C D**
TROLLEY CONTINENTAL
803064 **D**

TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{ph}	A _{MIN} A _{MAX}	A _{MAX} 40°C EN60974-1 A	A _{60%} 40°C EN60974-1 A	V ₀	A _{60%} MAX	P _{60%} MAX	P _{GEN}	η	φ	Ø _{DC} MIN/MAX	IP	kg	GENERATOR ONLY
			V (50-60Hz)	A	A	A	V	A	kW	kW	A	η/cos φ	mm		gen(Kit)	code
A	-	-	400 3 ph	10 - 250	220@25%	130	85	6,8 12	4,2	12	10	0,87 0,8	1,6 5	IP23	8,4	-
B	-	-	230/400 3 ph	10 - 270 (400V)	270@35%	205	63	10 14,4	6,5 9	13	-	0,9 0,9	1,6 6	IP23	10,2	-
C	-	-	230/400 3 ph	10 - 350 (400V)	330@35%	230	62	8,5 20	8 14	20	-	0,86 0,9	1,6 6	IP23	25	-
D	-	-	230/400 3 ph	10 - 600 (400V)	500@40%	400	73	20 35	13 23	32	-	0,86 0,9	1,6 8	IP23	43	-
				10 - 450 (230V)	400@35%	300	65	25 44	10 16	22						

Welding Helmets



MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX



OPTICAL CLASS: 1/1/1/1

T-VIEW 180
Cod. 804097

- automatic
- variable: 3/4÷8/8÷12 DIN
- double range
- grinding mode
- TIG from >2A
- class: 1/1/1/1
- 4 sensors
- 180° view area
- true color

2 PCS




VANTAGE GREY XXL
Cod. 802937

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range
- grinding mode
- TIG from >2A
- class: 1/1/1/2
- 4 sensors
- XXL view area
- true color

2 PCS




VANTAGE RED XL
Cod. 802936

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range
- grinding mode
- TIG from >2A
- class: 1/1/1/2
- 4 sensors
- XL view area
- true color

2 PCS




JAGUAR CYBORG
Cod. 804081

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range
- grinding mode
- TIG from >5A
- class: 1/1/1/2

2 PCS




JAGUAR
Cod. 804082

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range
- grinding mode
- TIG from >5A
- class: 1/1/1/2

2 PCS




STREAM FLAME
Cod. 804235

- automatic
- variable: 4/9÷13 DIN
- grinding mode
- TIG from >5A
- class: 1/1/1/2

2 PCS




STREAM ROBOT
Cod. 804234

- automatic
- variable: 4/9÷13 DIN
- grinding mode
- TIG from >5A
- class: 1/1/1/2

2 PCS




TAURUS METAL
Cod. 804094

OPTICAL CLASS: 1/1/1/1

- automatic
- fix 11 DIN
- TIG from >2A
- class: 1/1/1/1

2 PCS




TRIBE 9-13
Cod. 804233

- automatic
- variable: 4/9÷13 DIN
- grinding mode
- TIG from >5A
- class: 1/2/1/2

4 PCS




LION
Cod. 804151

- automatic
- fix 11 DIN
- TIG from >5A
- class: 1/1/1/2

4 PCS




TIGER XL
Cod. 802812

- 11 DIN
- XL view area

2 PCS




TIGER
Cod. 802818

- 11 DIN

2 PCS




PAPR welding helmets

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AIR PRO GRANDVIEW
Cod. 804236



AIR LITE
Cod. 804210

MMA Electrode Welding



A Motoinverter 174 CE

B Motoinverter 204 CE

C Motoinverter 264D CE



D Thunder 304 CE Kohler

PETROL ENGINE
CELLULOSIC
Aluminium



E Thunder 304 CE Honda

PETROL ENGINE
CELLULOSIC
Aluminium

OPTIONAL

MMA WELDING KIT

- 10 mm² 3+2m DX25
☐ 801000 **A**
- 16 mm² 3+2m DX25
☐ 801096 **B**
- 25 mm² 3+2m DX25
☐ 801102 **C**
- 35 mm² 4+3m DX50
☐ 801095 **DE**

MMA - MIG/MAG TIG MASK STREAM FLAME

- Automatic
☐ 804235
 - JAGUAR**
Automatic Variable
☐ 804082
- MORE MASKS Pag. 71

WHEELS KIT

- ☐ 802117 **A**
- ☐ 802490 **B**
- ☐ 802675 **C**
- ☐ 802680 **DE**

AC POWER SUPPLY KIT

- ☐ 802584 **B**
- ☐ 802494 **C**
- TIG WELDING KIT**
- ☐ 801097 **ABC**

RUTILE ELECTRODES IN BOX - STEEL

- ☐ 2mm 2,5 kg ☐ 802737
- ☐ 2,5mm 2,5 kg ☐ 802739
- ☐ 3,2mm 4 kg ☐ 802749

BASIC ELECTRODES IN BOX - STEEL

- ☐ 2,5mm 2,5 kg ☐ 802748
- ☐ 3,2mm 5 kg ☐ 802947

WELDING CHARACTERISTICS

	CODE	A _{MIN} A	A _{MAX} A EN60974-1	A _{60%} A EN60974-1	V ₀ V	Ø _{DC} MIN/MAX mm	IP	W _H L mm (LxWxH)	kg
A	Motoinverter 174 CE	5 - 160	130 30%	90	110 V DC	1,6 3,2 (4)	IP23	750x370x430	40
B	Motoinverter 204 CE	5 - 190	160 35%	115	112 V DC	1,6 4	IP23	840x470x480	58
C	Motoinverter 264D CE	5 - 230	200 30%	130	113 V DC	1,6 5	IP23	1050x580x720	107
D	Thunder 304 CE (KOHLER)**	40 - 300	300@35%	250	85 V DC	1,6 6	IP23	940x570x790	166
E	Thunder 304 CE (HONDA)**								163

AC GENERATORS & ENGINE CHARACTERISTICS

	V _{AC} V (50-60Hz)	P _{AC} kVA	V _{AC} V	P _{AC} kVA	TYPE	P kW/HP	C _c cm ³	RPM	START	I l	g/kWh	db
A	-	-	230 1 ph	1,8	HONDA GX 200	4,8/6,5	196	3200	MANUAL	3,6	313	97 LWA
B	-	-	230 1 ph	2,2	HONDA GX 270	6,6/9	270	3400	MANUAL	6	313	97 LWA
C	-	-	230 1 ph	2	LOMBARDINI 15LD 440	8,1/11	442	3500	ELECTRIC	5	250	98 LWA
D	230 1ph	4	400 3ph	10	KOHLER CH 730	18,6/25	725	3000	ELECTRIC	18	350	78 @ 7m
E					HONDA GX 630	15,5/20,8	688					

(**) Not available in the EU - Non disponibili in UE - Ne pas disponibles dans l'UE - No disponibles en la UE - Nicht für den Verkauf in der EU - Не для продажи в ЕС

MMA Electrode Welding



F Nordica 4.181 Turbo



G Nordica 4.220 Turbo

H Nordica 4.280 Turbo



I Nordika 1800



J Nordika 2160

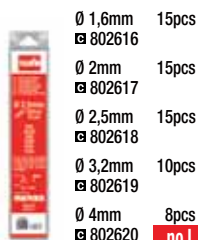
K Nordika 3200

L Nordika 3250

OPTIONAL



RUTILE ELECTRODES STEEL



- Ø 1,6mm 15pcs
☐ 802616
- Ø 2mm 15pcs
☐ 802617
- Ø 2,5mm 15pcs
☐ 802618
- Ø 3,2mm 10pcs
☐ 802619
- Ø 4mm 8pcs
☐ 802620 **no I**

RUTILE ELECTRODES IN BOX - STEEL



- Ø 2mm 2,5 kg
☐ 802737
- Ø 2,5mm 2,5 kg
☐ 802739
- Ø 3,2mm 4 kg
☐ 802749

MMA - MIG/MAG TIG MASK



LION
☐ 804151
MORE MASKS Pag. 71

MMA - MIG/MAG TIG MASK



STREAM FLAME
Automatic
☐ 804235

MAGNETIC HOLDER



34 kg ☐ 804130
MORE Pag. 80

GLOVES



MONTANA
☐ 804105
MORE GLOVES
Pag. 77

TECHNICAL DATA



	CODE	V _{PH}	A _{MIN/MAX}	V ₀	P _{MAX}	I	Ø _{DC} MIN/MAX	IP	WxHxL	kg	
		V (50-60Hz)	A	V	kW	A	mm		mm (LxWxH)	kg	
F	Nordica 4.181 Turbo	814104	230 1 ph	50 - 160	49	2,5	16	2 4	IP21	370x250x310	15,7
G	Nordica 4.220 Turbo	814175	230 1ph 400 2ph	55 - 190	50	3,5	20/10	2 4	IP21	575x325x360	19,4
H	Nordica 4.280 Turbo	814176	230 1ph 400 2ph	70 - 220	55	3,6	25/16	2 5	IP21	575x325x360	19,2
I	Nordika 1800	814189	230 1 ph	40 - 140	48	2,5	16	1,6 3,2	IP21	345x215x275	13,9
J	Nordika 2160	814193	230 1 ph	50 - 160	49	2,5	16	2 4	IP21	640x325x435	17,2
K	Nordika 3200	814180	230 1ph 400 2ph	55 - 190	50	3,5	-	2 4	IP21	700x325x440	21
L	Nordika 3250	812012	230 1ph 400 2ph	70 - 250	55	4,5	-	2 5	IP21	700x325x440	22

MMA Electrode Welding



A Artika 270



B Eurarc 410

**DUAL
AC**

**DUAL
AC**

**DUAL
AC**



C Eurarc 322

D Eurarc 422

E Eurarc 522

OPTIONAL



MMA WELDING KIT



- 801081 **B D**
- 801093 **E**
- 801096 **A**
- 801102 **C**

MMA - MIG/MAG TIG MASK



STREAM FLAME

Automatic
 804235

RUTILE ELECTRODES IN BOX - STEEL



Ø 2mm
2,5 kg
 802737

Ø 2,5mm
2,5 kg
 802739

Ø 3,2mm
4 kg
 802749

BASIC ELECTRODES IN BOX - STEEL



Ø 2,5mm
2,5 kg
 802748

Ø 3,2mm
5 kg
 802947

C D E

MAGNETIC HOLDER



34 kg 804130

MORE Pag. 80

GLOVES



MONTANA
 804105

MORE GLOVES
Pag. 77

TECHNICAL DATA



	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{MAX} 40°C	A _{MAX} 60°C	V ₀	P _{60%}	Ø	Ø _{DC} MIN/MAX	IP	W ^H	kg	
		V (50-60Hz)	A	A	EN60974-1 A	EN60974-1 A	V	kW	mm	mm		mm (LxWxH)	kg	
A	Artika 270	812011	230 1ph 400 2ph	70 - 250	-	200 10%	70	55	2,6 8,5	0,55	2 5	IP21	750x360x490	25
B	Eurarc 410	817016	230 1ph 400 2ph	70 - 330	-	300 10%	140	51	4,2 12	0,75	2 6	IP22	830x455x580	45
C	Eurarc 322	817014	230 1ph 400 2ph	45 - 250	-	250 15%	125	52/76	3,5 9	0,4	1,6 5	IP22	690x390x480	37
D	Eurarc 422	817017	230 1ph 400 2ph	70 - 350	320 15%	215 35%	170	52/73	4,5 13	0,4	2 6	IP22	830x455x580	61
E	Eurarc 522	817018	230 1ph 400 2ph	40 - 400	400 25%	350 35%	265	52/71	11 15	0,7	1,6 6	IP22	950x490x680	81

MMA Electrode Welding



Aluminium

F Linear 280

G Linear 340

Aluminium

Aluminium



H Linear 430 HD



I Linear 530 HD

J Linear 630 HD

OPTIONAL



MMA WELDING KIT



- 801081 **F**
- 801093 **H**
- 801095 **G**
- 801106 **IJ**

GOUGING KIT



- 802666 **GHIJ**
- CARBON ELECTRODES**
- Ø 8mm 5pcs 802803 **IJ**
- Ø 10mm 5pcs 802305 **J**

MMA - MIG/MAG - TIG MASK



- JAGUAR**
- 804082
- MORE MASKS Pag. 71

MMA - MIG/MAG - TIG MASK



- STREAM FLAME**
- Automatic
- 804235

MAGNETIC HOLDER



- 34 kg 804130
- MORE Pag. 80

GLOVES



- MONTANA**
- 804105
- MORE GLOVES
- Pag. 77

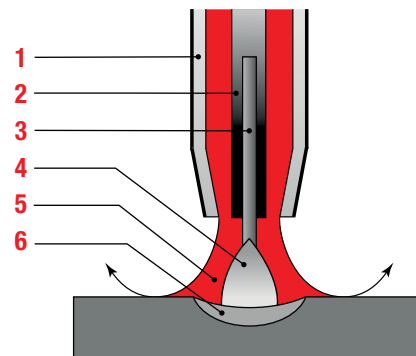
TECHNICAL DATA



			CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{MAX} 40°C	A _{MAX} 60°C	V ₀	P _{MAX}	cos φ	Ø _{DC}	IP	WxH	kg
				V (50-60Hz)	A	A	EN60974-1 A	EN60974-1 A	V	kW		mm		mm (LxWxH)	kg
F	Linear 280	DC	818002	230/400 3 ph	50 - 260	230 25%	190 35%	140	62	5 8	0,6	1,6 5	IP22	890x460x590	65
G	Linear 340	DC	819020	230/400 3 ph	60 - 320	320 25%	260 35%	180	65	7 11,5	0,6	2 6	IP22	890x460x590	80
H	Linear 430 HD	DC	819090	230/400 3 ph	80 - 360	-	325 35%	240	62	8,4 14	0,6	2 6	IP22	950x490x680	101
I	Linear 530 HD	DC	819055	230/400 3 ph	60 - 450	-	410 45%	350	70	16 20	0,7	2 8	IP22	1000x540x760	170
J	Linear 630 HD	DC	819082	230/400 3 ph	60 - 550	-	500 35%	370	69	17 24	0,7	2 8	IP22	1000x540x760	180

MIG-MAG PROCESS

- EN | 1.Nozzle 2.Contact tip 3.Wire-electrode 4.Welding arc 5.Gaseous protection
6.Melting pool
- IT | 1.Ugello 2.Punta guidafile 3.Filo-elettrodo 4.Arco di saldatura 5.Protezione
gassosa 6.Bagno di fusione
- FR | 1.Bec 2.Tube contact 3.Fil-électrode 4.Arc de soudage 5.Protection gazeuse
6.Bain de fusion
- ES | 1.Inyector 2.Tubito de contacto 3.Hilo-electrodo 4.Arco de soldadura
5.Protección gassosa 6.Baño de fusión
- DE | 1.Düse 2.Kontaktrohrchen 3.Draht-elektrode 4.Schweissbogen 5.Gasschutz
6.Schmelzbad
- RU | 1.Сопло 2.Наконечник направляющей 3.Проволока-электрод 4.Сварочная
дуга 5.Газовая защита 6.Расплав



GAS WELDING

⬆️ PLUS

- EN | Easy to learn technics • high productivity • no slags • low presence of
fumes
- IT | Tecnica semplice da imparare • elevata produttività • assenza di scorie
• bassa presenza di fumi
- FR | Technique d'assimilation simple • haute productivité • absence de
scories • basse présence de fumées
- ES | Técnica sencilla de aprender • elevada productividad • ausencia de
escorias • baja presencia de humos
- DE | Einfach zu erlernende Technik • hohe Produktivität • keine Schlacke
• geringe Rauchentwicklung
- RU | Простая для обучения техника • высокая производительность
• отсутствие ие шлака • низкое количество дымов

⬇️ MINUS

- EN | Presence of gas bottle • limited outdoor use
- IT | Presenza bombola gas • limitato uso all'aperto
- FR | Bouteilles de gaz • utilisation limitée à l'air libre
- ES | Presencia de bombona de gas • uso limitado al aire libre
- DE | Einsatz einer Gasflasche • beschränkte Verwendung im Freien
- RU | Наличие газового баллона • ограничение использование
на открытом воздухе

NO GAS/FLUX WELDING

⬆️ PLUS

- EN | Ready to be used • high practical (no gas bottle)
• ideal for outdoor use
- IT | Subito pronta all'uso • elevata praticità (no bombola) • uso ideale
all'aperto
- FR | Utilisation immédiate • aspect pratique extrême (pas de bouteille)
• utilisation idéale à l'air libre
- ES | En seguida preparada para el uso • elevada practicidad (sin
bombona) • uso ideal al aire libre
- DE | Sofort einsatzbereit • praktische Handhabung (keine Flasche)
• ideal für den Einsatz im Freien
- RU | Немедленно готово к использованию • высокая практичность
(нет баллона) • идеальное использование на открытом воздухе

⬇️ MINUS

- EN | Slags to be removed • cost of the flux wire
- IT | Scorie da rimuovere • costo filo animato
- FR | Scories à éliminer • coût fil fourré
- ES | Escorias a eliminar • coste del hilo macizo
- DE | Entfernen der Schlacke notwendig • Kosten für Fülldraht
- RU | Необходимо удаление шлаков • стоимость порошковой
проволоки

TYPICAL WELDING GAS

Materials			Mode	MOST USED						
				CO ₂	ArCO ₂ (80/20)	Ar	ArCO ₂ (82/18)	ArCO ₂ (92/8)	ArCO ₂ (98/2)	ArO ₂ (98/2)
EN Steel IT Acciaio	FR Acier ES Acero	DE Stahl RU Сталь	Short/Spray Arc	✓ <small>No Spray Arc</small>	✓		✓			
			Pulse Arc		✓		✓			
EN Stainless steel IT Acciaio inox	FR Acier inox ES Acero inoxidable	DE Edelstahl RU Нержавеющая сталь	Short/Spray Arc		✓		✓	✓		
			Pulse Arc					✓	✓	✓
EN Aluminium IT Alluminio	FR Aluminium ES Aluminio	DE Aluminium RU Алюминий	Short/Spray Arc			✓				
			Pulse Arc							
EN Brass/Bronze IT Ottone/bronzo	FR Laiton/Bronze ES latón/bronce	DE Messing/Bronze RU Латунь/ Бронза	Short/Spray Arc			✓				
			Pulse Arc							
EN Brazing IT Brasatura	FR Brasage ES Cobresoldadura	DE Mig-löten RU Пайки	Short/Spray Arc			✓				
			Pulse Arc			✓				

MIG-MAG Welding



MAX 5kg
200mm

A

MAX 15kg
300mm

**BCDE
FG**



1 ph



A Bimax 162 Turbo



B Telmig 180/2 Turbo



C Telmig 200/2 Turbo



D Telmig 281/2 Turbo



E Telmig 195/2 Turbo

3 ph



F Telmig 203/2 Turbo



G Telmig 250/2 Turbo

MIG - MAG CONSUMABLES PAG. 87/88

OPTIONAL

MIG READY BOX C



MIG READY BOX C
804149 **ABCEFG**

CONSUMABLES BOX
MT15
804137 **CEFG**

CONSUMABLES BOX
MT25
804152 **D**

STEEL KIT - GAS -

Throwaway Bottle



802147

Refillable Bottle



802148

GAS CONNECTION KIT

Throwaway Bottle



802032

Refillable Bottle



802708

ALUMINIUM KIT



802036

AB

802115

CDEFG

STAINLESS STEEL KIT



802037

MIG - MAG TORCHES



4m MT15

742181

4m MT25

742184

CEFG

D

PLATE TEMPERING KIT



802035

CDEFG

NAIL SPOT WELDING KIT



802034

BCEFG

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} A	A _{MAX} 40°C A	A _{60%} 40°C A	V ₀	P _{50%} MAX kW	I _{max}	cos φ	N	Ø _{ST}	Ø _{SS}	Ø _{AL}	Ø _{FX}	IP	W _L mm (LxWxH)	kg
A	Bimax 162 Turbo	230 1 ph	30 - 145	115 15%	55	31	1,4 3,7	16	0,9	4	0,6 0,8	0,8	0,8 1	0,8 1,2	IP21	640x350x470	25
B	Telmig 180/2 Turbo	230 1 ph	30 - 170	140 20%	80	31	2,3 5,2	16	0,9	6	0,6 0,8	0,8	0,8 1	-	IP21	800x450x570	37
C	Telmig 200/2 Turbo	230 1 ph	35 - 220	180 15%	100	33	3 7	20	0,9	6	0,6 1	0,8	0,8 1	-	IP22	800x450x655	45
D	Telmig 281/2 Turbo	230 1 ph	40 - 270	235 20%	150	34	5 9,5	-	0,9	8	0,6 1,2	0,8 1	0,8 1	-	IP22	800x450x655	55
E	Telmig 195/2 Turbo	230 1ph 400 2ph	30 - 200	180 15%	80	53	2,3 7	16	0,9	8	0,6 1	0,8	0,8 1	-	IP21	800x450x570	39
F	Telmig 203/2 Turbo	230/400 3 ph	25 - 200	160 25%	105	31	3 5,5	10/6	0,9	6	0,6 1	0,8	0,8 1	-	IP21	800x450x655	44
G	Telmig 250/2 Turbo	230/400 3 ph	35 - 260	200 20%	115	33	3 7	16/10	0,9	6	0,6 1	0,8 1	0,8 1	-	IP21	800x450x655	50

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

MIG-MAG Welding



MAX
15kg
300mm



COIL COVER
OPTIONAL



A Mastermig 220/2

B Mastermig 270/2

WIRE FEEDER
4
ROLLS

C D E F G



C Mastermig 300

D Mastermig 400

E - F Mastermig 500 (AQUA)

G Supermig 380



AQUA = WATER COOLED

MIG - MAG CONSUMABLES PAG.88/89

OPTIONAL

BOXES	MIG - MAG TORCHES	QUICK GAS CONNECTOR	STAINLESS STEEL KIT	COIL ADAPTOR	PLATE TEMPERING KIT	CONNECTING CABLES	WELDING CLAMPS FOR AUTOMOTIVE
CONSUMABLES BOX MT15 804137 A	4m 742181 A 742184 BC 742187 DEG	804208 AB	802037 A	WIRE FEEDER WHEELS 802292 G	802035 AB	4m 802266 CDEF 10m 802267 CDEF 4m 802472 G 10m 802473 G	802627 802586
CONSUMABLES BOX MT25 804152 BC	5m 742182 A 742185 BC 742188 DEG	ALUMINIUM KIT 802273 CDEFG 802766 AB	FLUX KIT 802466 CDEFG	COOLANT FOR COOLING SYSTEMS 802976 F	NAIL SPOT WELDING KIT 802034 A	COIL COVER 802595 CDEFG	WATER COOLING SYSTEM G.R.A. 90 802043 E

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	P _{60%}	Ø	Ø	N°	Ø _{ST}	Ø _{SS}	Ø _{AL}	Ø _{FX}	Ø _{BZ}	IP	mm (LxWxH)	kg	
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	kW	mm	mm		mm	mm	mm	mm		mm (LxWxH)	kg		
A	Mastermig 220/2	821064	230/400 3 ph	20 - 220	200 30%	140	36	4 6,5	16/10	0,9	8	0,6 1	0,8 1	0,8 1	-	0,8 1	IP22	870x453x800	56
B	Mastermig 270/2	821065	230/400 3 ph	28 - 270	240 30%	160	37,3	5,5 9	16/10	0,9	10	0,6 1,2	0,8 1	0,8 1	-	0,8 1	IP22	870x453x800	66
C	Mastermig 300	827003	230/400 3 ph	40 - 300	300 25%	200	41,5	6 11,5	16/10	0,9	12	0,6 1,2	0,6 1,2	0,8 1,2	1 1,2	0,8 1,2	IP22	945x565x830	96
D	Mastermig 400	827004	230/400 3 ph	50 - 400	400 25%	240	45,5	10 20	-	0,9	18	0,6 1,6	0,8 1,6	0,8 1,2	1 1,2	0,8 1,2	IP22	945x565x830	104
E	Mastermig 500	827007	230/400 3 ph	50 - 500	500 25%	280	55	10 25	-	0,9	24	0,6 2	0,8 2	0,8 1,2	1 2	0,8 1,2	IP22	945x565x830	120
F	Mastermig 500 AQUA (*)	822008	230/400 3 ph	50 - 500	500 25%	280	55	10 25	-	0,9	24	0,6 2	0,8 2	0,8 1,2	1 2	0,8 1,2	IP22	945x865x830	136
G	Supermig 380	822043	230/400 3 ph	40 - 350	350 35%	260	43	8,5 15	-	0,9	18	0,6 1,6	0,8 1,6	0,8 1,2	1 1,6	0,8 1,2	IP22	890x453x1285	101

(*) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

MIG-MAG PROCESS

EN| The Made in Telwin ATC technology is designed for use in specific sectors such as, for example, car bodywork where the materials (with thin materials measuring from 0.5-0.8 mm) are extremely sensitive to deformation caused by the temperatures reached during welding operations. The ATC technology makes it easy to achieve excellent standards of welding on thin materials thanks to state-of-the-art control of the arc.

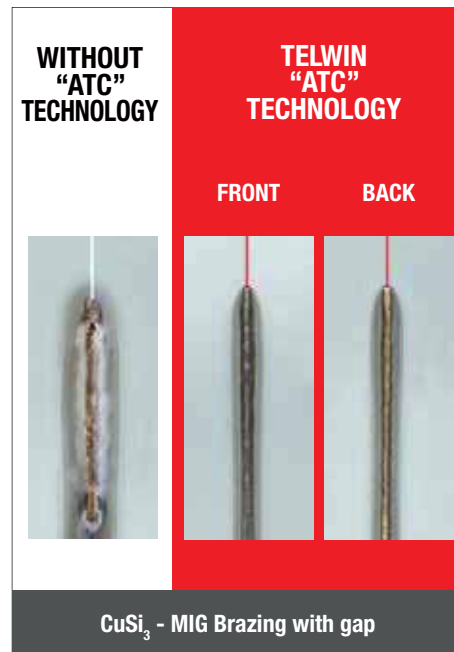
IT| La tecnologia ATC, Made in Telwin, trova specifica applicazione in quei settori, vedi ad esempio la carrozzeria, dove i materiali (con spessori contenuti tra 0,5-0,8mm) sono estremamente sensibili alle deformazioni causate dalle temperature raggiunte durante la saldatura. La tecnologia ATC consente di ottenere con grande facilità eccellenti saldature su spessori sottili grazie ad un controllo avanzato dell'arco.

FR| La technologie ATC, Made in Telwin, trouve une application spécifique dans ces secteurs, voir par exemple la carrosserie, où les matériaux (ayant des épaisseurs contenues entre 0,5-0,8 mm) sont extrêmement sensibles aux déformations causées par les températures atteintes durant le soudage. La technologie ATC permet d'obtenir avec grande facilité d'excellents soudages sur de fines épaisseurs grâce à un contrôle avancé de l'arc.

ES| La tecnología ATC, Made in Telwin, encuentra su aplicación específica en aquellos sectores, véase por ejemplo la carrocería, donde los materiales (con espesores incluidos entre 0,5-0,8 mm) son extremadamente sensibles a las deformaciones que causan las temperaturas que se alcanzan durante la soldadura. La tecnología ATC permite obtener con gran facilidad soldaduras excelentes en espesores sutiles, gracias a un control avanzado del arco.

DE| Die ATC-Technologie von Telwin findet - etwa in Karosseriebetrieben - speziell dort Anwendung, wo die Werkstoffe (mit relativ geringen Stärken von 0,5 bis 0,8 mm) äußerst empfindlich auf die Verformungen reagieren, die auf hohe Temperaturen beim Schweißen zurückgehen. Mit der ATC-Technologie lassen sich auf dünnwandigen Werkstoffen dank einer hochentwickelten Lichtbogensteuerung mühelos ausgezeichnete Schweißresultate erzielen.

RU| Разработанная компанией Telwin технология ATC в первую очередь предназначена для таких областей применения, например, кузовных работ, в которых материалы (толщиной от 0,5 до 0,8 мм) чрезвычайно чувствительны к деформациям, вызванным температурой, которая достигается во время сварки. Разработанная компанией Telwin технология ATC позволяет с легкостью получить отличные результаты при сварке материалов небольшой толщины благодаря усовершенствованному контролю дуги.



ADVANTAGES

EN| • Easy welding of thin materials
• Decreased deformation of material
• Extremely stable arc even when working with low currents
• Rapid and accurate tack welding
• Easier coupling of spaced sheets
• Excellent results on steel, aluminium and during brazing operations

IT| • Saldature su spessori sottili con grande facilità
• Minore deformazione del materiale
• Arco estremamente stabile anche alle basse correnti
• Saldatura a punti rapida e precisa
• Unione facilitata di lamiere distanziate tra loro
• Ottimi risultati su acciaio, alluminio e con saldobrasatura

FR| • Soudages sur de fines épaisseurs avec grande facilité
• Plus faible déformation du matériel
• Arc extrêmement stable même avec des courants faibles
• Soudage par points rapide et précis
• Union facilitée de tôles distancées entre elles
• Excellents résultats sur acier, aluminium et avec brasage

ES| • Soldaduras en espesores sutiles con gran facilidad
• Menor deformación del material
• Arco extremadamente estable incluso con corrientes bajas
• Soldadura por puntos rápida y precisa
• Unión facilitada de chapas distanciadas entre ellas
• Resultados óptimos con acero, aluminio y con cobresoldadura

DE| • Sehr leichtes Schweißen auf dünnwandigen Werkstoffen
• Geringere Materialverformung
• Äußerst stabiler Lichtbogen auch bei geringen Stromwerten
• Zügiges, präzises Punktschweißen
• Voneinander entfernte Bleche lassen sich leichter zusammenfügen
• Ausgezeichnete Ergebnisse auf Stahl, Aluminium und beim Schweißlöten

RU| • Простота сварки материалов небольшой толщины
• Меньшая деформация материала
• Очень стабильная дуга даже при низком токе
• Быстрая и точная точечная сварка
• Упрощенное соединение листов, расположенных на расстоянии друг от друга
• Отличные результаты работы на стали, алюминии и при пайке



Technomig 215 Dual Synergic
Technomig 225 Dual Synergic
Technomig 223 Treo Synergic
Technomig 260 Dual Synergic
Technomig 240 Wave
Technomig 243 Wave
Electromig 230 Wave
Electromig 330 Wave
Electromig 430 Wave
Electromig 220 Synergic
Electromig 300 Synergic
Electromig 400 Synergic
Electromig 450 Synergic
Electromig 550 Synergic
Inverpulse 60.30 Wave
Inverpulse 60.40 Wave

MIG-MAG Welding



A Technomig 180 Dual Synergic

NEW
ONE TOUCH
LCD SYNERGY



B Technomig 210 Dual Synergic

ONE TOUCH
LCD SYNERGY

MULTIPROCESS
MIG - MMA - TIG

inverter

ONE TOUCH
LCD SYNERGY

FLUX & MIG-MAG

Synergy
MIG

Advanced
ATC
Thermal Control

TIG LIFT

VRD
VOLTAGE REDUCTION DEVICE



NEW

C Technomig 215 Dual Synergic

D Technomig 225 Dual Synergic

E Technomig 260 Dual Synergic

F Technomig 240 Wave



CONSUMABLES: MIG-MAG Pag. 88/89

OPTIONAL

BOXES	MIG - MAG TORCHES	MT25 CONTROL MIG TORCH	ALUMINIUM KIT	STEEL KIT - GAS Throwaway Bottle	ELECTRODE HOLDER	TROLLEY AMERICA	TROLLEY ARCTIC
CONSUMABLES BOX MT15 804137 ABCD	3m MT25 ALU 742708 EF 4m 742181 ABCD 742184 EF 5m 742182 CD 742185 EF	MT 25 742777 F	802115 AB 802817 CDEF	802147 A	DX 25 804121 ABC DX 50 804123 DEF	803084 AB	803059 AB
MIG READY BOX C 804149 AB	GAS REGULATOR 722119	BOARD KIT PUSH PULL 982219 F	STAINLESS STEEL KIT 802037 ABCDE	Refillable Bottle 802148 A	NAIL SPOT WELDING KIT 802034 AB	TROLLEY COSMOPOLITAN 803079 CEF	TROLLEY EUROPA 803073 CEF
MIG READY BOX F 804168 CD	QUICK GAS CONNECTOR 804208	TIG TORCH 4m ST9V 722563 ABC 4m ST26V 742058 DEF					
CONSUMABLES BOX MT25 804152 EF							

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{60%}	V ₀	A _{60%}	P _{60%}	η	φ	EST	ESS	ØAL	ØFX	ØBZ	Ø _{DC}	IP	W ^H	L ^W	H ^H	kg
		V (50-60Hz)	A	EN60974-1 40°C A	EN60974-1 40°C A	V	EN60974-1 40°C A	kW	A	η/cos φ	mm	mm	mm	mm	mm	mm	mm (LxWxH)	mm	mm	mm	kg
A	Technomig 180 Dual Synergic	816075	230 1 ph	20 - 170	140 20%	80	60	12 24	1,6 3,8	0,86 0,7	0,6 0,8	0,8	0,8 1,2	0,8 1,2	0,8	-	IP23	460x240x360			11
B	Technomig 210 Dual Synergic	816055	230 1 ph	20 - 200	180 20%	100	78	15 32	2,2 5	0,84 0,7	0,6 1	0,8 1	0,8 1,2	0,8 1,2	0,8 1	1,6 3,2	IP23	460x240x360			13
C	Technomig 215 Dual Synergic	816053	230 1 ph	20 - 220	180 20%	100	78	15 32	2,2 5	0,84 0,7	0,6 1	0,8 1	0,8 1,2	0,8 1,2	0,8 1	1,6 3,2	IP23	620x260x490			22
D	Technomig 225 Dual Synergic	816057	230 1 ph	20 - 220	180 20%	100	78	15 32	2,2 5	0,84 0,7	0,6 1	0,8 1	0,8 1,2	0,8 1,2	0,8 1	1,6 3,2	IP23	795x375x730			30
E	Technomig 260 Dual Synergic	816056	230 1 ph	20 - 250	200 20%	130	60	22 39	3,3 6,3	0,87 0,7	0,6 1,2	0,8 1	0,8 1,2	0,8 1,2	0,8 1	1,6 4	IP23	620x260x490			22
F	Technomig 240 Wave	816076	230 1 ph	20 - 220	200 20%	100	96	16 32	2,3 5	0,84 0,7	0,6 1	0,8 1	0,8 1,2	0,8 1,2	0,8 1	1,6 4	IP23	620x260x490			24

MIG-MAG Welding



MAX 15kg
300mm



GH

inverter

ONE TOUCH



inverter

MULTIPROCESS
MIG - MMA - TIG

ONE TOUCH
LCD SYNERGY



Advanced
ATC
Thermal Control

TIG LIFT

WIRE FEEDER
4 ROLLS

APPROVED
by

GM General Motors



G Technomig 223 Treo Synergic

H Technomig 223 Treo Synergic + Spool Gun



WIRE FEEDER
4 ROLLS

I Technomig 243 Wave

inverter

MULTIPROCESS
MIG - MMA - TIG



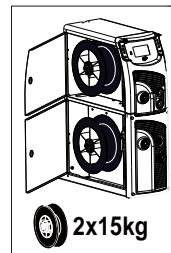
4B PULSE

4B POP

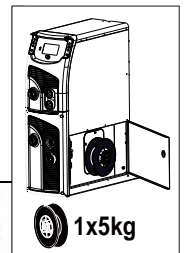
Advanced
ATC
Thermal Control

TIG LIFT

USB



2x15kg



1x5kg

OPTIONAL

BOXES	MIG - MAG TORCHES	SPOOL GUN M6	ALUMINIUM KIT	STEEL KIT - GAS Refillable Bottle	ELECTRODE HOLDER	GAS REGULATOR	MIG - MAG CONSUMABLES
CONSUMABLES BOX MT15 804137	4m 742181 GH 5m 742182 GH	802407 G	802663 I	802148	DX 25 804121 GH DX 50 804123 I	722119 (2x)	
CONSUMABLES BOX MT25 804152 I	MT25 CONTROL MIG TORCH 742777 I	DOUBLE BOTTLE KIT 803067		GAS CONNECTION KIT Refillable Bottle 802708	NAIL SPOT WELDING KIT 802034 GH	BOARD KIT PUSH PULL 989219 I	
QUICK GAS CONNECTOR 804208	TIG TORCHES 4m 742058 I 722563 GH		802836 GH				Pag. 88

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	A _{MAX} 60°C	V ₀	A _{60%} / A _{MAX}	P _{60%} / P _{MAX}	η	φ	EST	SS	AL	FX	BZ	Ø _{MIN} / Ø _{MAX} DC	IP	w [↑] h [↑]	kg
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	kW	kW	%	mm	mm	mm	mm	mm	mm	mm	mm (LxWxH)	kg	
G	Technomig 223 Treo Synergic	816058	230	20 - 220	180	100	78	15 / 32	2,2 / 5	0,84 / 0,7	0,6	0,8	0,8	0,8	0,8	1,6 / 4	IP23	870 L / 530 W / 1665 H	52
H	Technomig 223 Treo Synergic + Spool Gun M6	816120	230	20 - 220	180	100	78	15 / 32	2,2 / 5	0,84 / 0,7	0,6	0,8	0,8	0,8	0,8	1,6 / 4	IP23	870 L / 530 W / 1665 H	55
I	Technomig 243 Wave	816066	230	20 - 220	180	100	96	16 / 32	2,3 / 5	0,84 / 0,7	0,6	0,8	0,8	0,8	0,8	1,6 / 4	IP23	870 L / 530 W / 1665 H	59

MIG-MAG Welding



MAX 15kg
300mm

DEF G

REMOTE CONTROL



WIRE FEEDER
4 ROLLS

BCDE
FG



A Electromig 220 Synergic



B Electromig 300 Synergic

inverter

MULTIPROCESS
MIG - MMA - TIG

ONE TOUCH

LCD SYNERGY



Advanced
ATC
Thermal Control

TIG LIFT



inverter

MULTIPROCESS
MIG - MMA - TIG

ONE TOUCH

LCD SYNERGY



Advanced
ATC
Thermal Control

TIG LIFT



D-E Electromig 450 Synergic (Aqua)

F-G Electromig 550 Synergic (Aqua)

GENERATOR + FEEDER ONLY



Electromig 450 Synergic BASE
cod. 816192

Electromig 550 Synergic BASE
cod. 816195

NO CONNECTING CABLES
NO TORCH

C Electromig 400 Synergic

OPTIONAL

CONSUMABLES BOX

MT15 804137 **A**

MT25 804152 **B**

MIG READY BOX F

804168 **A**

QUICK GAS CONNECTOR

804208

GAS REGULATOR

722119 **AB**

722346 **CDEFG**

MIG - MAG TORCHES

4m 742181 **A**

742184 **B**

742187 **CDEFG**

5m 742182 **A**

742185 **B**

742188 **CDEFG**

5m AQUA 722683 **DEFG**

TIG TORCHES

4m 742058

STAINLESS STEEL KIT

804123 **A**

804124 **AB**

804126 **CDE**

804126 **FG**

NAIL SPOT WELDING KIT

802034 **A**

ALUMINIUM KIT

802817 **A**

802663 **B**

802273 **CE**

802409 **DFG**

ELECTRODE HOLDER

804123 **AB**

804124 **CDE**

804126 **FG**

FLUX KIT

802276 **EFG**

802466 **D**

DOUBLE BOTTLE KIT

803037 **DEFG**

G.R.A. 5500

802037

804058 **DF**

COOLANT FOR COOLING SYSTEMS

802976 **EG**

COIL ADAPTOR

802486 **BCDEFG**

REMOTE CONTROLS

802336 **DEFG**

PUSH PULL BOARD KIT

989219 **DEFG**

TROLLEY EUROPA

803073 **A**

TROLLEY COSMOPOLITAN

803079 **A**

CONNECTING CABLES

4m 802348 **DEFG**

4m AQUA 802398 **EG**

10m 802349 **DEFG**

10m AQUA 802399 **EG**

30m AQUA 802470 **EG**

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{60%}	V _O	A _{60%}	P _{60%}	η	φ	ST	SS	AL	FX	BZ	Øc	IP	W _H	kg
		V (50-60Hz)	A	EN 60974-1 A	EN 60974-1 A	V	A	kW	A	η/cos φ	mm	mm	mm	mm	mm	mm		mm	kg
A	Electromig 220 Synergic	816059	400 3 ph	10 - 230	200 20%	105	75	5 9	3 5,8	10	0,87 0,9	0,6 1	0,8 1	0,8 1,2	0,8 1	1,6 4	IP23	620 L 260 W 490 H	23
B	Electromig 300 Synergic	816065	400 3 ph	20 - 300	270 30%	205	63	10 15	6,5 9	16	0,9 0,9	0,6 1,2	0,8 1,2	0,8 1,2	0,8 1,2	1,6 6	IP23	865 L 390 W 915 H	37
C	Electromig 400 Synergic	816155	230/400V 3 ph	20 - 400 (400V)	400 30%	270	73	15 25	9,5 16,5	-	0,89 0,9	0,6 1,6	0,8 1,6	0,8 1,6	1 1,2	1,6 8	IP23	865 L 390 W 915 H	42
D	Electromig 450 Synergic	816190	230/400V 3 ph	20 - 400 (400V)	400 30%	270	73	15 25	9,4 16,5	-	0,89 0,9	0,6 2	0,8 2	0,8 1,6	1 2	1,6 8	IP23	1030 L 510 W 1450 H	73
E	Electromig 450 Synergic AQUA (*)	816191	230/400V 3 ph	20 - 320 (230V)	320 25%	200	106	17 33	6,4 12,6	-	0,89 0,9	0,6 2	0,8 2	0,8 1,6	1 1,2	1,6 8	IP23	1030 L 510 W 1450 H	85
F	Electromig 550 Synergic	816193	230/400V 3 ph	20 - 500 (400V)	500 40%	400	85	23 35	15 23	-	0,9 0,9	0,6 2,4	0,8 2,4	0,8 1,6	1 2,4	1,6 8	IP23	1030 L 510 W 1450 H	86
G	Electromig 550 Synergic AQUA (*)	816194	230/400V 3 ph	20 - 400 (230V)	400 40%	330	110	32 45	11 17	-	0,9 0,9	0,6 2,4	0,8 2,4	0,8 1,6	1 2,4	1,6 8	IP23	1030 L 510 W 1450 H	98

(*) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

MIG-MAG Welding



MAX 15kg
300mm

REMOTE CONTROL

CE

EAC



H - I Superior 400 CE VRD MIG PACK/AQUA



inverter

MULTIPROCESS
MIG - MMA - TIG

CELLULOSIC

Aluminium

VRD
VOLTAGE REDUCTION DEVICE

CARBON CUT



J-K Superior 630 CE VRD MIG PACK/AQUA



WIRE FEEDER
4 ROLLS

MIG - MAG CONSUMABLES PAG.89

OPTIONAL

GAS REGULATOR	MIG - MAG TORCHES	ALUMINIUM KIT	ELECTRODE HOLDER	WATER COOLING SYSTEM G.R.A.	CONNECTING CABLES	COIL COVER	WIRE FEEDER WHEELS
722346 HIJK		802273 HJ 802409 IK	DX 50 804123	802640 HI 802497 JK	4m 802348 JK 802472 HI 4m AQUA 802398 HIJK 10m 802349 JK 802473 HI 10m AQUA 802399 HIJK 30m AQUA 802470 HIJK	802595	802292
804208	4m 742187 HI 5m 742188 HI 5m AQUA 722800 JK 722683	802466 H 802276 IJK	802466	742058		802486	980604
802984							

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{60%}	V _O	A _{50%}	P _{MAX}	η	φ	EST	ESS	AL	FX	BZ	Ø _{DC}	IP	W _L	kg
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	η _{cos φ}		mm	mm	mm	mm	mm	mm	mm (LxWxH)	kg	
H	Superior 400 CE VRD Mig Pack	816041	230/400 3 ph	10 - 350 (400V)	330@35%	230	62	8,5 20	8 14										
				10 - 300 (230V)	250@25%	170	63	14 24	5 8	0,86 0,9	0,6 1,6	0,8 1,6	0,8 1,6	1 1,6	0,8 1,2	1,6 6	IP23	950x450x1200	68
I	Superior 400 CE VRD Mig Pack AQUA (*)	816042	230/400 3 ph	10 - 350 (400V)	330@35%	230	62	8,5 20	8 14										
				10 - 300 (230V)	250@25%	170	63	14 24	5 8	0,86 0,9	0,6 2,4	0,8 2,4	0,8 1,6	1 2,4	0,8 1,2	1,6 8	IP23	950x450x1450	80
J	Superior 630 CE VRD Mig Pack	816043	230/400 3 ph	10 - 600 (400V)	500@40%	400	73	20 35	13 23										
				10 - 450 (230V)	400@35%	300	65	25 44	10 16	0,86 0,9	0,6 2,4	0,8 2,4	0,8 1,6	1 2,4	0,8 1,2	1,6 8	IP23	950x450x1450	86
K	Superior 630 CE VRD Mig Pack AQUA (*)	816044	230/400 3 ph	10 - 600 (400V)	500@40%	400	73	20 35	13 23										
				10 - 450 (230V)	400@35%	300	65	25 44	10 16	0,86 0,9	0,6 2,4	0,8 2,4	0,8 1,6	1 2,4	0,8 1,2	1,6 8	IP23	950x450x1450	108

(*) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

Welding Advanced Visual Environment



INTELLIGENCE

A BRAND NEW WELDING CONCEPT

- EN | A high-tech system that redesigns the manual welding process to improve quality, ensure repeatability and boost efficiency. The user has complete control over the welding parameters and can tweak them to suit all operational requirements.
- IT | INTELLIGENZA: Un sistema high-tech che ripensa il processo di saldatura manuale per migliorare la qualità, assicurare la ripetibilità, aumentare l'efficienza. L'utente ha la completa gestione dei parametri di saldatura adattandoli ad ogni situazione operativa.
- FR | INTELLIGENCE: Un système high-tech qui repense le processus de soudage manuel pour améliorer la qualité, assurer la répétabilité, augmenter l'efficacité. L'utilisateur a la gestion complète des paramètres de soudage et les adapte à chaque situation opérationnelle.
- ES | INTELIGENCIA: Un sistema high-tech que reconsidera el proceso de soldadura manual para mejorar la calidad, asegurar la repetibilidad, aumentar la eficiencia. El usuario gestiona completamente los parámetros de soldadura adaptándose a cualquier situación operativa.
- DE | INTELLIGENZ: Ein Hightech-System mit neu konzipiertem manuellem Schweißvorgang, der die Qualität verbessert, die Wiederholbarkeit gewährleistet und die Effizienz erhöht. Der Benutzer hat die volle Kontrolle über die Schweißparameter, die sich an jede Arbeitssituation anpassen lassen.
- RU | ИНТЕЛЛЕКТУАЛЬНЫЕ ТЕХНОЛОГИИ: Высокотехнологичная система, которая меняет подход к ручной сварке, улучшая качество, обеспечивая повторяемость и повышая эффективность. Пользователь может свободно управлять всеми параметрами сварки, приспосабливая их к конкретным сварочным работам.

INTERACTION

A NEW WAY OF COMMUNICATING

- EN | Making work user-friendly regardless of the application. Thanks to Wave OS, the communication between the operator and the tool used is direct and immediate. Wave OS simplifies man-machine interaction and guarantees complete customisation of the work environment.
- IT | INTERAZIONE: Rendere il lavoro intuitivo a prescindere dall'applicazione. Grazie a Wave OS la comunicazione tra l'operatore e lo strumento utilizzato è diretta, immediata. Wave OS semplifica l'interazione uomo-macchina e garantisce una totale personalizzazione dell'ambiente di lavoro.
- FR | INTERACTION: Rendre le travail intuitif quelle que soit l'application. Grâce à Wave OS, la communication entre l'opérateur et l'instrument utilisé est directe, immédiate. Wave OS simplifie l'interaction homme-machine et garantit une totale personnalisation du milieu de travail.
- ES | INTERACCIÓN: Hace que el trabajo sea intuitivo, sea cual sea la aplicación. Gracias a Wave OS la comunicación entre el operador y el instrumento utilizado es directa e inmediata. Wave OS simplifica la interacción hombre-máquina y garantiza una total personalización del ambiente de trabajo.
- DE | INTERAKTION: Intuitiv arbeiten - und das unabhängig von der Anwendung. Wave OS ermöglicht die unmittelbare Kommunikation zwischen Bediener und verwendetem Gerät. Wave OS vereinfacht das Wechselspiel zwischen Mensch und Maschine und gestattet eine völlig individuelle Gestaltung der Arbeitsumgebung.
- RU | ВЗАИМОДЕЙСТВИЕ: Делает работу интуитивной вне зависимости от области применения. Благодаря Wave OS, связь между оператором и используемым прибором является непосредственной и моментальной. Wave OS упрощает взаимодействие человека и машины и обеспечивает полную приспособляемость рабочей среды.



EXPERT MODE



EASY MODE

EFFICIENCY

RESPONDING TO EVERY DAY CHALLENGES

- EN | Wave OS is the perfect solution to respond to the every day demands for competitiveness and productivity. Nowadays, quality and repeatability are fundamental and essential requisites. The response to such challenges starts with Wave OS.
- IT | EFFICIENZA: Wave OS è la soluzione alle richieste di competitività e produttività di ogni giorno. La qualità e la sua ripetitività sono ormai requisiti imprescindibili. La risposta a queste sfide inizia con Wave OS.
- FR | EFFICACITÉ: Wave OS est la solution aux demandes de compétitivité et de productivité de chaque jour. La qualité et sa répétabilité sont désormais des conditions essentielles incontournables. La réponse à ces défis commence avec Wave OS.
- ES | EFICIENCIA: Wave OS es la solución a las necesidades de competitividad y productividad del día a día. La calidad y la repetibilidad de la misma son actualmente requisitos imprescindibles. La respuesta a estos desafíos comienza con Wave OS.
- DE | EFFIZIENZ: Wave OS ist die Lösung für die Anforderungen, die Tag für Tag an Wettbewerbsfähigkeit und Produktivität gestellt werden. Die Güte und ihre Wiederholbarkeit sind mittlerweile unabdingbare Voraussetzungen. Die Antwort auf diese Herausforderungen beginnt mit Wave OS.
- RU | ЭФФЕКТИВНОСТЬ: Wave OS является решением, которое изо дня в день обеспечивает вашу конкурентоспособность и производительность. Качество и повторяемость качественного выполнения работ являются важнейшими требованиями. Wave OS является ответом на эти вызовы.

KNOWLEDGE

KNOWLEDGE IS THE CORE PRINCIPLE OF IMPROVEMENT

- EN | Wave OS is an exceptionally powerful knowledge tool designed to trace, analyse and control production processes far beyond the limits in place up until now. It guarantees comprehensive monitoring of operating parameters to the advantage of quality levels and the choices to be made.
- IT | CONOSCENZA: Wave OS è un potente strumento di conoscenza in grado di tracciare, analizzare e quindi controllare i processi produttivi oltrepassando i limiti finora posti. Garantisce il completo monitoraggio dei parametri nelle lavorazioni a vantaggio della qualità e a supporto delle scelte da affrontare.
- FR | CONNAISSANCE: Wave OS est un instrument de connaissance puissant en mesure de tracer, analyser et donc contrôler les processus de production en dépassant les limites posées jusqu'à présent. Il garantit la surveillance complète des paramètres dans les usinages au bénéfice de la qualité et en support des choix à affronter.
- ES | CONOCIMIENTO: Wave OS es un potente instrumento de conocimiento capaz de trazar, analizar y por lo tanto controlar los procesos productivos sobrepasando los límites hasta ahora establecidos. Garantiza el completo seguimiento de los parámetros en las elaboraciones, lo que redundará en una mejora de la calidad y en la asistencia en las elecciones que se deben realizar.
- DE | WISSEN: Wave OS ist ein leistungsstarkes Wissensinstrument, das die bisherigen Grenzen überschreitet, weil es in der Lage ist, die Fertigungsprozesse aufzuzeichnen, zu analysieren und anschließend zu kontrollieren. Es ermöglicht im Rahmen der Bearbeitungen die vollständige Überwachung der Parameter, was sich positiv auf die Güte auswirkt und die Entscheidungsfindung unterstützt.
- RU | ЗНАНИЯ: Wave OS является мощным инструментом получения знаний, поскольку позволяет отслеживать, анализировать и контролировать производственный процесс, переступая через существующие до этого ограничения. Он гарантирует полный контроль рабочих параметров, обеспечивая качество и расширяя возможности применения.

WELDING DATA MANAGEMENT

THE COST AND PERFORMANCES CONTROL TOOL

- EN** | Welding Data Management is the essential tool for the detailed welding data analysis. An intuitive programme conceived to facilitate you in cost management, increase processing quality and support professional welders' tests, etc. To make the best choices.
- IT** | Welding Data Management è lo strumento indispensabile per l'analisi approfondita dei dati di saldatura. Un programma dall'utilizzo intuitivo ideato per facilitarvi nella gestione dei costi, nel miglioramento della qualità delle lavorazioni, nel supporto ai test per saldatori qualificati, etc. Per prendere le scelte migliori.
- FR** | Welding Data Management est l'instrument indispensable pour l'analyse approfondie des données de soudage. Un programme à l'utilisation intuitive conçu pour vous aider dans la gestion des coûts, dans l'amélioration de la qualité des usinages, dans le support aux tests pour soudeurs qualifiés, etc. Pour prendre les choix les meilleurs.

- ES** | Welding Data Management es el instrumento indispensable para un análisis profundo de los datos de soldadura. Un programa con una utilización intuitiva ideado para facilitar la gestión de los costes, la mejora de la calidad de las elaboraciones, la asistencia en las pruebas para soldadores cualificados, etc. Para tomar las mejores decisiones.
- DE** | Welding Data Management - unverzichtbar für die eingehende Analyse der Schweißdaten. Ein intuitives Anwendungsprogramm, das entwickelt wurde, um Ihnen u. a. beim Kostenmanagement, bei der Verbesserung der Bearbeitungsqualität und beim Support für Tests von qualifizierten Schweißern Erleichterung zu bringen. Für die beste Wahl.
- RU** | Welding Data Management является незаменимым инструментом для углубленного анализа данных сварки. Интуитивно-понятная в использовании программа, предназначенная для облегчения управления издержками, улучшения качества работы, оказания поддержки при аттестации квалифицированных сварщиков и т.д. Для принятия более качественных решений.



MAX 15kg
300mm

CE

EAC

WIRE FEEDER
4 ROLLS

A Electromig 230 WAVE

B-C Electromig 330 WAVE (AQUA)

D-E Electromig 430 WAVE (AQUA)

- inverter**
- MULTIPROCESS
MIG - MMA - TIG
- Wave as
- Active Synergy
- 4B PULSE
- 4B Pulse Ch Pulse POP
- Advanced ATC Thermal Control
- ROOT-MIG
- TIG LIFT
- VRD VOLTAGE REDUCTION DEVICE

OPTIONAL

CONSUMABLES BOX MT25 804152 ABC QUICK GAS CONNECTOR 804208 GAS REGULATOR 722119 ABC 722346 DE	MMA - MIG/MAG TIG MASK VANTAGE RED XL Automatic - Variable 802936 MORE MASKS Pag. 71	MIG/MAG TORCHES 4m MT25 742184 ABC 4m MT36 742187 DE 5m MT25 742185 ABC 5m MT39 742188 DE 3m AQUA MT500 722625 BC 5m AQUA MT 500 722683 BCDE	ALUMINIUM KIT 802817 A 802273 BD 802409 CE MT25 CONTROL MIG TORCH MT25 742777 ABC	SPOOL GUN M6 802407 PUSH PULL BOARD KIT 989219	TIG TORCH ST26V 4m 742058 ELECTRODE HOLDER 25mm ² 4m DX50 804123 ABC 35mm ² 4m DX50 804124 DE	COOLANT FOR COOLING SYSTEMS 802976 CE	WATER COOLING SYSTEM G.R.A. 3300 802942 BD MIG - MAG CONSUMABLES Pag. 88/89
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TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{60%}	V ₀	A _{60%}	P _{60%}	η	φ	EST	ESS	CAL	FX	BZ	DC	IP	W _L	kg	
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	A	γ/cos φ	mm	mm	mm	mm	mm	mm	mm (LxWxH)	kg		
A	Electromig 230 WAVE	816060	400 3 ph	10 - 240	200 20%	105	95	5,5 9	3 5,5	10	0,86 0,8	0,6 1	0,8 1	0,8 1,2	0,8 1	1,6 4	IP23	795x375x730	32	
B	Electromig 330 WAVE	816061	400 3 ph	20 - 300	270 30%	205	63	10 15	6,5 9	16	0,9 0,9	0,6 1,2	0,8 1,2	0,8 1,2	0,8 1,2	1,6 6	IP23	865x390x915	39	
C	Electromig 330 WAVE AQUA (*)	816062																	49	
D	Electromig 430 WAVE	816253	230/400V 3 ph	20 - 400 (400V)	400@30%	270	73	15 25	9,5 16,5	-	0,89 0,9	0,6 1,6	0,8 1,6	0,8 1,6	1 1,2	0,8 1,2	1,6 8	IP23	865x390x915	44
E	Electromig 430 WAVE AQUA (*)	816254																		20 - 320 (230V)

BASE VERSION: Electromig 330 Wave BASE cod. 816064 - Electromig 430 Wave BASE cod. 816153

(*) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

MMA WELDING
MIG-MAG WELDING
TIG WELDING
PLASMA CUTTING
SPOT WELDING
CHARGING & STARTING
INDEX

MIG-MAG Welding



MAX 15kg
300mm

REMOTE CONTROL

CE

EAC

WIRE FEEDER
4 ROLLS



A-B Inverpulse 60.30 WAVE (Aqua)



C-D Inverpulse 60.40 WAVE (Aqua)



inverter

MULTIPROCESS
MIG - MMA - TIG



ROOT-MIG DEEP-MIG



GENERATOR + FEEDER ONLY



Inverpulse 60.30 Wave BASE
cod. 816177

Inverpulse 60.40 Wave BASE
cod. 816180

NO CONNECTING CABLES
NO TORCH

MIG - MAG CONSUMABLES PAG.89

OPTIONAL

GAS REGULATOR 822346	ALUMINIUM KIT 802409	MIG-MAG TORCHES 5m MT40 722800	BOARD KIT PUSH PULL 989219	CONNECTING CABLES 4m 802348 4m AQUA 802398 B D 10m 802349 10m AQUA 802399 B D 30m AQUA 802470 B D	ELECTRODE HOLDER 804124	WIRE FEEDER WHEELS 802292	G.R.A. 5500 804058 A C	COOLANT FOR COOLING SYSTEMS 802976 B D
QUICK GAS CONNECTOR 804208	FLUX KIT 802276	MIG-MAG TORCHES 5m AQUA MT500 722683 B D	COIL ADAPTOR 802486	TIG TORCH ST26V 742058	DOUBLE BOTTLE KIT 803067			REMOTE CONTROLS 2 pot. 802336

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} A _{MAX}	A _{40°C} EN 60974-1	V ₀	A _{60%} A _{MAX}	P _{60%} P _{MAX}	ηφ	OST	OSS	ØAL	ØFX	ØBZ	ØDC MIN/MAX	IP	W ^H mm	kg	
		V (50-60Hz)	A	A	V	A	kW	1/1/cos φ	mm	mm	mm	mm	mm	mm		mm	kg	
A	Inverpulse 60.30	816175	230/400	20 - 400	270@60%	73	15 25	9,4 16,5	0,89	0,6	0,8	0,8	1	0,8	1,6	IP23	1030 L 510 W 1450 H	75
B	Inverpulse 60.30 AQUA (*)	816176	230/400 3 ph	20 - 320 (230V)	200@60%	106	17 33	6,4 12,6	0,8	2	2	1,6	2	1,2	8			87
C	Inverpulse 60.40	816178	230/400	20 - 500	400@60%	85	23 35	15 23	0,9	0,6	0,8	0,8	1	0,8	1,6	IP23	1030 L 510 W 1450 H	88
D	Inverpulse 60.40 AQUA (*)	816179	230/400 3 ph	20 - 400 (230V)	330@60%	110	32 42	11 17	0,8	2,4	2,4	1,6	2,4	1,2	8			100

(*) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

MIG READY BOXES

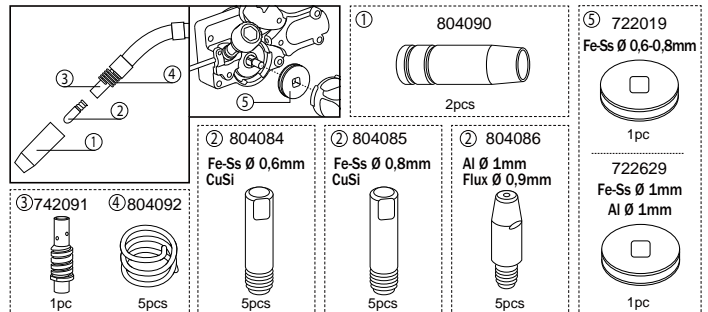
MIG READY BOX C

- TW160
- TW180
- MT15 (Maxima - Telmig - Technomig 180-210)

cod. 804149



CONTENTS



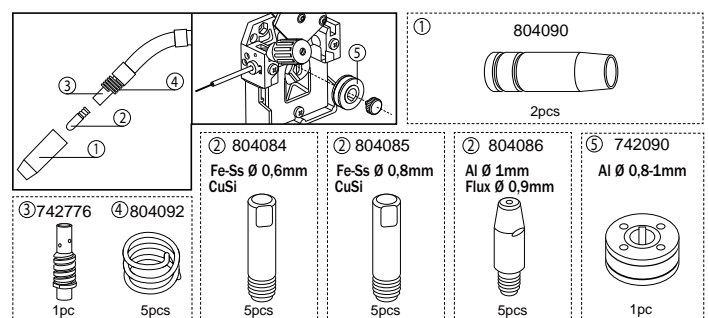
MIG READY BOX F

- MT15 (Technomig 215, 225 - Electromig 220)

cod. 804168



CONTENTS



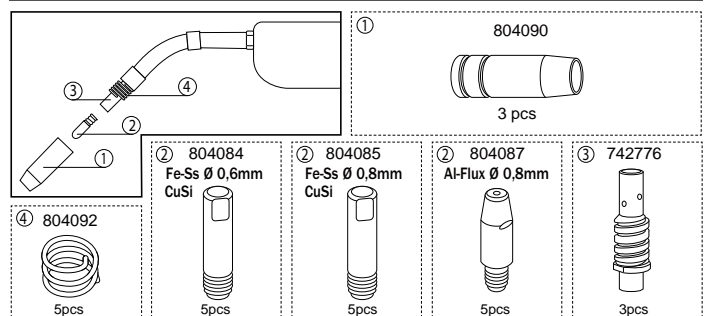
CONSUMABLES BOXES FOR MIG TORCHES

- MT15

cod. 804137



CONTENTS

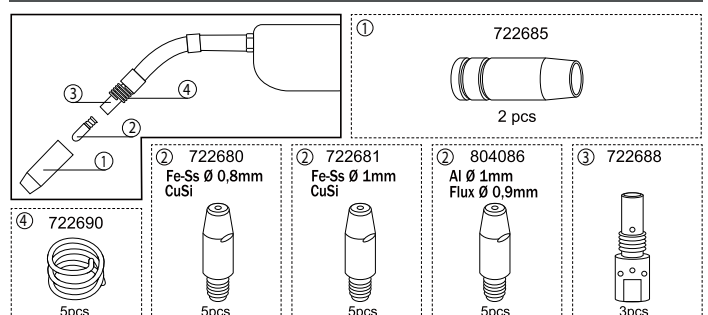


- MT25

cod. 804152

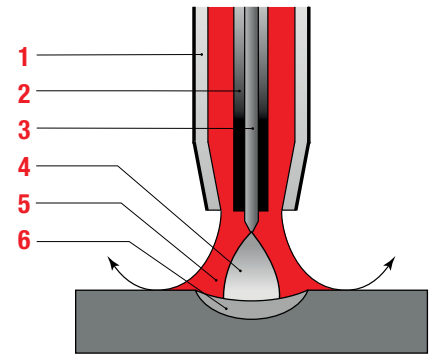


CONTENTS



TIG PROCESS

- EN| 1.Nozzle 2.Electrode holder clamp 3.Infusible-electrode 4.Welding arc
5.Gaseous protection 6.Melting pool
- IT| 1.Ugello 2.Pinza portaelettrodo 3.Elettrodo infusibile 4.Arco di saldatura
5.Protezione gassosa 6.Bagno di fusione
- FR| 1.Bec 2.Pince porte-électrode 3.Électrode infusible 4.Arc de soudage
5.Protection gazeuse 6.Bain de fusion
- ES| 1.Inyector 2. Soplete porta electrodo 3.Electrodo infusible 4.Arco de soldadura
5.Protección gassosa 6.Baño de fusión
- DE| 1.Düse 2.Elektrodenhalter 3.Abschmelzende Elektrode 4.Schweissbogen
5.Gasschutz 6.Schmelzbad
- RU| 1.Сопло 2.Зажим электрода 3.Неплавкий электрод 4.Сварочная дуга
5.Газовая защита 6.Расплав



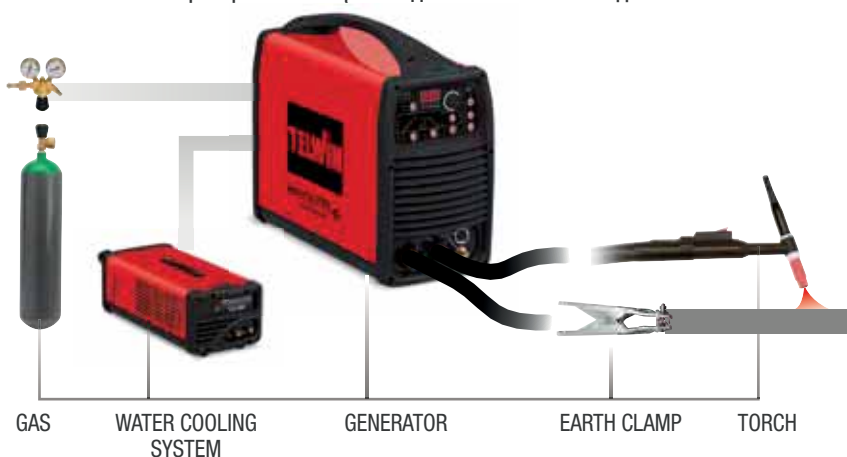
TIG FEATURES

⬆️ PLUS

- EN| High aesthetic welds • No sparkles • Welding on thin thicknesses • High arc control
- IT| Elevata estetica della saldatura • Assenza di spruzzi • Saldatura su spessori sottili • Grande controllo dell'arco
- FR| Élevée esthétique de le soudage • Absence de projections • Soudage sur épaisseurs réduits • Grand je contrôle de l'arc
- ES| Elevada estética de la soldadura • Eusencia de rociadas • Soldadura sobre espesores sutiles • Grande control arco
- DE| Erhöhen Ästhetik des Schweißen • Abwesenheit von Spritzern • Schweißen auf dünne Dicken • Großes Kontrolle des Bogens
- RU| Улучшенная эстетика сварки • Отсутствие брызг • Сварка небольших толщин • Улучшенное управление дугой

⬇️ MINUS

- EN| High experience of the user • Low productivity • Need for a gas bottle
- IT| Alta esperienza dell'operatore • Bassa produttività • Richiesta bombola di gas
- FR| Haute expérience de l'opérateur • Basse productivité • Demande bouteille de gaz
- ES| Alta experiencia del operador • Baja productividad • Solicitud bombona de gas
- DE| Hohes Erfahrung des Fachmannes • Niedriges Produktivität • Bedürfnis nach einer Gasflasche
- RU| Большой опыт оператора Низкая производительность • Необходимость газовых баллонов



GAS BOTTLE





Argon
(Ar)

Argon-Helium (Ar-He)

POST GAS

- EN| Controls the gas flow at the welding end and grants the material cooling in an area protected from oxidations
- IT| Controlla l'afflusso del gas dopo il termine della saldatura garantendo il raffreddamento del materiale in una zona protetta da ossidazioni
- FR| Contrôle l'afflux du gaz après le terme de soudage en garantissant le refroidissement du matériau dans une zone protégée contre les oxydations
- ES| Controla el aflujo del gas después del término de la soldadura garantizando el enfriamiento del material en una zona protegida por oxidaciones
- DE| Es kontrolliert den Zufluß des Gases nach dem Ende des Schweißen, da garantiert es die Abkühlung des Materials in einer von Oxydationen geschützten Zone
- RU| Контролирует приток газа после окончания сварки, гарантируя охлаждение материала в зоне, защищенной от окисления

MATERIALS

			DC	AC
EN Steel IT Acciaio	FR Acier ES Acero	DE Stahl RU Сталь	W	
EN Stainless Steel IT Acciaio Inox	FR Acier Inox ES Acero Inoxidable	DE Edelstahl RU Нержавеющая Сталь	W	
EN Cast Iron IT Ghisa	FR Fonte ES Fundición	DE Gußeisen RU Чугун	W	
EN Copper IT Rame	FR Cuivre ES Cobre	DE Kupfer RU Медь	W	
EN Nickel IT Nichel	FR Nickel ES Níquel	DE Nickel RU Никель	W	
EN Titanium IT Titanio	FR Titane ES Titanio	DE Titan RU Титан	W	
EN Aluminium IT Alluminio	FR Aluminium ES Aluminio	DE Aluminium RU Алюминий		W
EN Brass IT Ottone	FR Laiton ES Latón	DE Messing RU Латунь		W
EN Bronze IT Bronzo	FR Bronze ES Bronce	DE Bronze RU Бронза		W
EN Alloys IT Leghe	FR Alliages ES Aleaciones	DE Legierungen RU Сплавы		W
Electrode colours				
Grey - Tungsten 98% - CeO ₂ 2%				
Green - Pure Tungsten 98,8%				

BI-LEVEL FUNCTION

- EN | It selects from the torch pushbutton two different current values though maintaining the arc turned on. Efficacious on position weldings or on thin thicknesses.
- IT | Seleziona dal pulsante torcia due diversi valori di corrente mantenendo acceso l'arco. Efficace su saldature in posizione o su spessori sottili.
- FR | Il sélectionne à partir du poussoir de la torche deux différentes valeurs du courant tout en maintenant l'arc allumé. Extrêmement utile pour des soudages en position ou sur épaisseurs réduits.
- ES | Selecciona desde el pulsador del soplete dos valores de corriente manteniendo encendido el arco. Eficaz sobre soldaduras en posición o sobre espesores finos.
- DE | Es wählt von der Brennerknopf zwei verschiedene Werte des Stroms, ohne daß der Lichtbogen dabei erlischt. Wirksam auf Schweißen in Position oder auf dünne Dicken.
- RU | При помощи кнопки горелки выбираются две различных величины тока поддерживая дугу горячей. Эффективно действует на сварке в определенном положении и на небольших толщинах.

TIG START

SCRATCH START

- EN | The arc striking is reached thanks to the rubbing of the tungsten electrode to the piece to be welded. Some tungsten inclusions are present at the beginning of the seam.
- IT | L'innescò avviene con lo sfregamento dell'elettrodo di tungsteno sul pezzo da saldare. Sono presenti ad inizio cordone delle inclusioni di tungsteno.
- FR | L'amorçage s'effectue par frottement de l'électrode de tungstène sur la pièce à souder. Ils sont présent au début cordon des inclusions de tungstène.
- ES | El cebado ocurre con el refregamiento del electrodo de tungsteno sobre el material da soldar. Están presentes a principio cordón de las inclusiones de tungsteno.
- DE | Die Zündvorrichtung geschieht mit der Reibung von der Wolframelektrode auf das Werkstück. Am Anfang der Naht sind Wolframeinschlüsse anwesend.
- RU | Возбуждение выполняется при трении вольфрамового электрода о свариваемую деталь. В начале сварного шва имеются включения вольфрама.

LIFT START

- EN | Arc striking by contact. It does not pollute the welding pool and causes less electro-irradiated disturbances.
- IT | Innescò dell'arco a contatto. Non inquina il bagno di saldatura e causa meno disturbi elettro-irradiati.
- FR | Amorçage de l'arc avec contact. Ne pollue pas le bain de soudage et cause moins de perturbations électroirradiées.
- ES | Cebado del arco con contacto. No contamina el baño de soldadura y causa muchas menos molestias de irradiación eléctrica.
- DE | Kontaktzündung des Bogens. Es verunreinigt das Schmelzbad nicht und verursacht weniger Störungen durch elektrische Strahlungen.
- RU | Дуга зажигается от прикосновения. Не засоряет расплав сварки и причиняет меньше помех от электроизлучения.

HF START

- EN | Arc striking without contact. The electrode tip does not wear out. It offers an easy start in all welding positions.
- IT | Innescò dell'arco senza contatto. Non si ha l'usura della punta dell'elettrodo. Offre una partenza facile in tutte le posizioni di saldatura.
- FR | Amorçage de l'arc sans contact. Il n'y pas d'usure de la pointe de l'électrode. Il offre un départ facile dans toutes les positions de soudage.
- ES | Cebado del arco sin contacto. No se produce el desgaste de la punta del electrodo. Ofrece una partida fácil en todas la posiciones de soldadura.
- DE | Zündung des Bogens ohne Kontakt. Die Elektrodenspitze wird nicht abgenutzt. Erleichtert das Zünden in sämtlichen Schweisslagen.
- RU | Дуга зажигается без прикосновения. Наконечник электрода не подвергается износу. Обеспечивает легкий пуск во всех положениях сварки.

TIG Welding



inverter



TIG LIFT

MMA
TIG

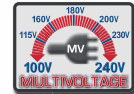
BE READY TO WELD!

A Technica 190 TIG DC-LIFT VRD



XT

inverter



TIG LIFT

B Advance 227 XT MV/PFC VRD

OPTIONAL

CONSUMABLES BOX	TIG WELDING KIT	CLEANTECH 200	ELECTRODE HOLDER	RUTILE ELECTRODES STEEL	RUTILE ELECTRODES STAINLESS STEEL	BASIC ELECTRODES STEEL	RUTILE ELECTRODES IN BOX - STEEL	GLOVES
ST17-26 804138 B	801097 A 802491 B	850020	16 mm ² 3m DX25 804121 A 25 mm ² 4m DX50 804123 B	Ø 1,6mm 15pcs 802616 Ø 2mm 15pcs 802617 Ø 2,5mm 15pcs 802618 Ø 3,2mm 10pcs 802619 Ø 4mm 8pcs 802620	Ø 2,5mm 10pcs 802623 Ø 3,2mm 8pcs 802624	Ø 2,5mm 10pcs 802621 Ø 3,2mm 8pcs 802622	Ø 2mm 2,5 kg 802737 Ø 2,5mm 2,5 kg 802739 Ø 3,2mm 4 kg 802749	DAKOTA 802632 MORE GLOVES Pag. 77

TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{PH} = V (50-60Hz)	A _{MIN} / A _{MAX}	TELWIN % USE @ 20°C	A _{MAX} 40°C A _{60°C} 40°C	V ₀	A _{60%} MAX	P _{60%} MAX	P _{GEN}	η	∅ _{DC} MIN/MAX	IP	kg	GENERATOR ONLY		
				A		EN60974-1 A EN60974-1 A	V	A	KW	KW	A	1/√cos φ	mm	gen(kit)	code		
A	+ + ACC	816220	230 1 ph	10 - 170	88% @ 150A	160 20%	110	78	17 29	2,6 4,4	6	16	0,86 0,7	1,6 4	IP23	4,3 (9,4)	816019
B	+ ACC	852060	200 - 240 1 ph 100 - 120 1 ph	10 - 200 10 - 120	-	200 30% 150 30%*	125 95	81	16,5 27 24 33	3,2 5,2 2,3 3,1	8 5	20	0,84 0,98	1,6 4	IP23	7,4 (11,8)	816049

(*) A_{MAX} 40°C = 120A@30% ⇒ I_F = 15A

TIG Welding



CDE

inverter



C Technology Tig 230 DC-HF/LIFT VRD

inverter



D Technology Tig 182 AC/DC-HF/LIFT



inverter



E Technology Tig 222 AC/DC-HF/LIFT VRD

Green line

TIG CONSUMABLES PAG.91

OPTIONAL

<p>CONSUMABLES KIT</p> <p>x ST17 - ST26 804138</p>	<p>TIG WELDING KIT</p> <p>802788 CE</p>	<p>TIG TORCHES</p> <p>4m 742618 POT* CE + adaptor 802810 8m AQUA 742619 POT* CE + adaptor 802810</p>	<p>TIG TORCHES</p> <p>4m 742423 D 742614 CE</p> <p>8m 742616 CE</p>	<p>ELECTRODE HOLDER</p> <p>DX 25 804121 D</p> <p>DX 50 804123 CE</p>	<p>REMOTE CONTROLS</p> <p>2 pot. 802336 CDE</p> <p>Pedal 802017 CDE</p>	<p>TROLLEYS</p> <p>ARCTIC 803059 CE</p> <p>AMERICA 803084 CE</p> <p>COSMOPOLITAN 803079 CE</p>	<p>STAINLESS STEEL TIG CLEANING KIT</p> <p>CLEANTECH 200 850020</p> <p>GLOVES</p> <p>DAKOTA 802632 MORE GLOVES Pag. 77</p>
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TECHNICAL DATA

		CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	A _{MAX} 60%	P _{MAX} 60%	η	φ _{DC} MIN/MAX	IP	mm (LxWxH)	kg	GENERATOR ONLY
			V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	η / cos φ	mm		mm (LxWxH)	gen(kit)	code
C	Technology Tig 230 DC-HF/LIFT VRD	+ ACC 852055	230 1 ph	10 - 220	220 30%	125	95	26 36	4,1 6	0,86 0,7	1,6 4	IP23	430x176x340	9,7 (14,8)	816040
D	Technology Tig 182 AC/DC-HF/LIFT	+ ACC 852030	230 1 ph	5 - 160	160 20%	85	94	18 29	2,5 4,3	0,75 0,7	1,6 3,2	IP23	430x170x340	9,7 (13,7)	815332
E	Technology Tig 222 AC/DC-HF/LIFT VRD	+ ACC 852054	230 1 ph	5 - 200	200 24%	115	95	21 33	3,3 5,5	0,81 0,7	1,6 4	IP23	430x170x340	11,3 (16,4)	816033

TIG Welding



inverter



A Superior Tig 251 DC-HF/LIFT VRD



B-C Superior Tig 252 AC/DC-HF/LIFT VRD (AQUA)



D Superior Tig 311 DC-HF/LIFT VRD



Green line

TIG CONSUMABLES PAG.91

OPTIONAL

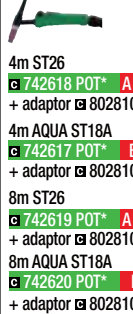
CONSUMABLES KIT



TIG WELDING KIT



TIG TORCHES



TIG TORCHES



TROLLEYS



REMOTE CONTROLS



STAINLESS STEEL TIG CLEANING KIT



ELECTRODE HOLDER



TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	A _{MAX} 60%	P _{MAX} 60%	η	φ	∅ _{DC} MIN/MAX	IP	mm (LxWxH)	kg	GENERATOR ONLY	
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	A	η/cos φ	mm		mm (LxWxH)	gen (kit)	code	
A	Superior Tig 251 DC - HF/LIFT VRD	+ ACC 816116	400 3 ph	10 - 250	230@ 20%	115	101	6 12	3,3 7,5	10	0,85 0,8	1,6 5	IP23	430x175x340	11,3 (16,4)	816029
B	Superior Tig 252 AC/DC-HF/LIFT VRD	+ ACC 816117	400 3 ph	5 - 250	230@ 20%	115	102	6 12,2	3,3 7,5	10	0,85 0,8	1,6 5	IP23	470x190x355	14,5 (19,6)	816030
C	Superior Tig 252 AC/DC-HF/LIFT VRD AQUA	+ ACC 816119												510x190x535	14,5 (25)	
D	Superior Tig 311 DC - HF/LIFT VRD	+ ACC 816123	230/400 3 ph	10 - 300 (400V) 10 - 250 (230V)	300@ 30% 200@ 42%	205	64	10,2 14,4 15 19	6,3 9,2 6,2 7,2	10	0,91 0,9	1,6 5	IP23	470x190x355	13,2 (18)	816037

(*) 3ph 208V - 230V ATT150

TIG Welding



E Superior Tig 322 AC/DC-HF/LIFT (AQUA)

GREEN LINE PROFESSIONAL TIG TORCHES (OPTIONAL)



HIGH FLEXIBILITY



F Superior Tig 421 DC-HF/LIFT (AQUA)



G Superior Tig 422 AC/DC-HF/LIFT (AQUA)



inverter

PULSE

EASY PULSE

THINSPOT

VRD
VOLTAGE REDUCTION DEVICE

Green line

TIG CONSUMABLES PAG.91

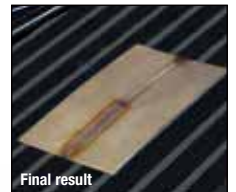
OPTIONAL

CONSUMABLES KIT	TIG WELDING KIT	TIG TORCHES	TIG TORCHES	COOLANT FOR COOLING SYSTEMS	TROLLEYS	REMOTE CONTROLS	STAINLESS STEEL TIG CLEANING KIT
x ST26 804138 EFG	802788 EFG Kit AQUA 802789 EFG	4m ST26 742614 EFG	4m ST26 742618 POT* EFG + adaptor 802810 4m AQUA ST18A 742617 POT* EFG + adaptor 802810 8m ST26 742619 POT* EFG + adaptor 802810 8m AQUA ST18A 742620 POT* EFG + adaptor 802810	802976 EFG	MONDIAL 803072 EFG EUROPA 803073 EFG COSMOPOLITAN 803079 EFG	2 pot. 802336 Pedal 802017	CLEANTECH 200 850020 WATER COOLING SYSTEM 802640 EFG
QUICK GAS CONNECTOR 804208	CRYSTAL BOX CLEAR CUP Ø 1,6 804204 CHAMPAGNE Ø 1,6 804202 MORE Pag. 43	4m AQUA ST18A 742615 EFG 8m ST26 742616 EFG		ELECTRODE HOLDER 25mm ² 4m DX50 804123			

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} A _{MAX}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	A _{MAX} 60%	P _{MAX} 60%	η	φ	∅ _{DC} MIN/MAX	IP	W _L LxWxH	kg	GENERATOR ONLY	
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	A	η/cos φ	mm		mm (LxWxH)	gen (kit)	code	
E	Superior Tig 322 AC/DC-HF/LIFT	+ ACC 816130	400* 3 ph	5 - 270	270 40%	215	64	11 15	7 10	16	0,85 0,92	1,6 5	IP23	530x240x450	26 (34)	816067
	Superior Tig 322 AC/DC-HF/LIFT AQUA (*)	+ ACC 816131											935x500x1195	26 (68)		
F	Superior Tig 421 DC-HF/LIFT	+ ACC 816132	400* 3 ph	5 - 350	350 35%	250	64	13 21	8 14	16	0,85 0,9	1,6 6	IP23	530x240x450	27 (31)	816068
	Superior Tig 421 DC-HF/LIFT AQUA (*)	+ ACC 816133											935x500x1195	27 (67)		
G	Superior Tig 422 AC/DC-HF/LIFT	+ ACC 816134	400* 3 ph	5 - 350	350 35%	250	64	13 21	8 14	16	0,85 0,9	1,6 6	IP23	530x240x450	31 (36)	816069
	Superior Tig 422 AC/DC-HF/LIFT AQUA (*)	+ ACC 816135											935x500x1195	31 (71)		

(*) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением



A Cleantech 100



TELWIN

MARKING with MARKING KIT (cod. 804028)



B Cleantech 200

TECHNICAL DATA

	CODE	V _{PH}	☀	↕	kg
		V (50-60Hz)	N°	mm	kg
A	Cleantech 100	850000	230 1ph	2	345 L 215 W 280 H 14,4
B	Cleantech 200	850020	230 1ph	2	430 L 175 W 340 H 15,5

OPTIONAL

10 FIBERGLASS BANDS KIT



A
10PCS ☐ 980320

LIQUITECH (3L)



A
☐ 322905

MARKING KIT



B
☐ 804028

LIQUIDS (1L)



1. CLEAN IT ☐ 804031 **B**
2. BRUSH IT ☐ 804030 **B**
3. MARK IT ☐ 804029 **B**

LIQUIDS (5L) **NEW**



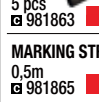
1. CLEAN IT ☐ 804296 **B**
2. BRUSH IT ☐ 804297 **B**

NEUTRALIZING LIQUID (1L)



A B
NEUTRALIZE IT ☐ 804139

BRUSH KIT



5 pcs
☐ 981863 **B**

MARKING STRIPS KIT

0,5m
☐ 981865 **B**
CLEANING STRIPS KIT
10 pcs
☐ 981866 **B**

CRYSTAL BOXES FOR TIG TORCHES ST17- ST18 - ST26

TIG TORCH CONSUMABLES KIT • KIT CONSUMABILI TORCIA TIG • KIT CONSOMMABLES TORCHE TIG • KIT CONSUMIBLES ANTORCHA TIG
• VERBRAUCHSMATERIALIEN-KIT WIG-BRENNER • КОМПЛЕКТ РАСХОДНЫХ МАТЕРИАЛОВ ДЛЯ ГОРЕЛКИ TIG



CRYSTAL CHAMPAGNE BOX
Ø 1,6 mm cod. 804202
Ø 2,4 mm cod. 804203



Pyrex nozzle with adaptor and screen
Ugello pyrex con adattatore e schermo
Buse pyrex avec adaptateur et bouclier
Injector Pyrex con adaptador y pantalla
Pyrexdüse mit Adapter und Schild
Сопло Pyrex с адаптером и экраном



Gas lens electrode diffuser
Diffusore elettrodo - gas lens
Diffuseur electrode - gas lens
Difusor electrode - gas lens
Gas lens - Elektrodendiffusor
Электрод диффузор - gas lens



Electrode holder
Pinza porta elettrodo
Porte-électrode
Portaelectrodos
Elektrodenhalter
Держатель электрода



Heatshield
Isolatore
Isolateur
Aislador
Isolator
Изолятор



GAS LENS



CRYSTAL CLEAR CUP BOX
Ø 1,6 mm cod. 804204
Ø 2,4 mm cod. 804205



Pyrex nozzle
Ugello pyrex
Buse pyrex
Injector pyrex
Pyrexdüse
Сопло pyrex



Gas lens electrode diffuser
Diffusore elettrodo - gas lens
Diffuseur electrode - gas lens
Difusor electrode - gas lens
Gas lens - Elektrodendiffusor
Электрод диффузор - gas lens



Electrode holder
Pinza porta elettrodo
Porte-électrode
Portaelectrodos
Elektrodenhalter
Держатель электрода



Heatshield
Isolatore
Isolateur
Aislador
Isolator
Изолятор



GAS LENS



CRYSTAL CLEAR CUP - LONG - BOX
Ø 1,6 mm cod. 804206
Ø 2,4 mm cod. 804207



Pyrex nozzle
Ugello pyrex
Buse pyrex
Injector pyrex
Pyrexdüse
Сопло pyrex



Gas lens electrode diffuser
Diffusore elettrodo - gas lens
Diffuseur electrode - gas lens
Difusor electrode - gas lens
Gas lens - Elektrodendiffusor
Электрод диффузор - gas lens



Electrode holder
Pinza porta elettrodo
Porte-électrode
Portaelectrodos
Elektrodenhalter
Держатель электрода



Heatshield
Isolatore
Isolateur
Aislador
Isolator
Изолятор



GAS LENS

CONSUMABLES BOX FOR TIG TORCHES ST17-ST26

x ST17 - ST26
cod. 804138



TIG TORCH ST17

Technology Tig 182

TIG TORCH ST26

Technology Tig 230, 222, Superior Tig

CONTENTS

DC	Ø 1,6mm	802222		1pc
AC	Ø 1,6mm	802235		1pc
	Ø 2,4mm	802236		1pc
802250	Ø 1,6mm		1pc	
802251	Ø 2,4mm		1pc	
802244	N.4		1pc	
802245	N.6		1pc	
722192		1pc		
802240	Ø 1,6mm		3pcs	
802241	Ø 2,4mm		3pcs	

Green Line

Professional Tig Torch



Built-in remote control *

Leather cable for high flexibility

5 Pins connection

ST26 - ST18A (AQUA VERSION)

ST26 Green Line 4m (DX50) cod. 742618 (+802810)
ST26 Green Line 8m (DX50) cod. 742619 (+802810)

AQUA VERSION:

ST18A Green Line 4m (DX50) cod. 742617 (+802810)
ST18A Green Line 8m (DX50) cod. 742620 (+802810)

* Optional: Remote Device



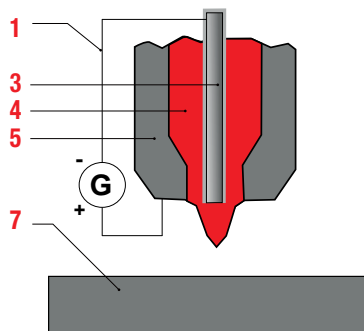
cod. 802810

works on: Technology Tig 222, 230, Superior Tig

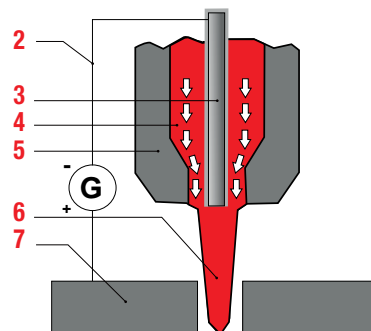
PLASMA PROCESS

- EN| 1.Cutting circuit 2.Striking circuit 3.Catode 4.Gas
5.Nozzle 6.Cutting arc 7.Metal
- IT| 1.Circuito di taglio 2.Circuito d'innesco 3.Catodo
4.Gas 5.Ugello 6.Arco di taglio 7.Metallo
- FR| 1.Circuit de découpage 2.Circuit d'amorçage
3.Cathode 4.Gaz 5.Bec 6.Arc de découpage 7.Metal
- ES| 1.Circuito de corte 2.Circuito de cebado 3.Cátodo
4.Gas 5.Inyector 6.Arco de corte 7.Metal
- DE| 1.Schneidkreis 2.Zündungskreis 3.Kathode 4.Gaz
5.Düse 6.Schneidbogen 7.Metall
- RU| 1.Контур резки 2.Контур возбуждения 3.Катод
4.Газ 5.Сопло 6.Дуга резки 7.Металл

PILOT ARC



CUTTING ARC



PLASMA CUTTING VS OXIACETILENIC CUTTING

PLUS

- EN| Cutting of conductive materials even if painted, rusted or treaded on the surface • higher cutting rate • better cutting and no distortion • low operative costs • absence of inflammable gas (use of compressed air)
- IT| Taglio di materiali conduttori anche verniciati, arrugginiti, trattati superficialmente • maggiore velocità di taglio • migliore taglio con assenza di distorsioni • bassi costi operativi • assenza di gas infiammabile (uso di aria compressa)
- FR| Coupe de matériaux conducteurs et compris peints, rouillés et traités en surface • vitesse de coupe supérieure • coupe supérieure sans distorsions • bas coûts d'exploitation • absence de gaz inflammables (utilisation d'air comprimé)
- ES| Corte de materiales conductores incluso pintados, oxidados, con la superficie tratada • mayor velocidad de corte • mejor corte con ausencia de distorsiones • bajos costes operativos • ausencia de gas inflamable (uso de aire comprimido)
- DE| Schneiden leitender Werkstoffe, auch wenn diese lackiert, verrostet oder oberflächenbehandelt sind • höhere Schnittgeschwindigkeit • besseres, verzugsfreies Schnittergebnis • niedrige Betriebskosten • kein Einsatz entzündlicher Gase (Verwendung von Druckluft)
- RU| Резка проводящих материалов, в том числе окрашенных, ржавых, обработанных на поверхности • повышенная скорость резки • Лучшая резка с отсутствием деформаций • низкая рабочая стоимость • Отсутствие возгораемых газов (использование сжатого воздуха)

CONTACT STRIKING

- EN| A particular kind of torch with mobile electrode is used. When the striking is activated, the electrode, pushed by the gas, detaches itself from the nozzle and the spark generates the pilot arc. More wear of the torch internal parts, lesser electromagnetic disturbances.
- IT| Si utilizza un particolare tipo di torcia con elettrodo mobile. Quando si attiva l'innesco, l'elettrodo sospinto dal gas si stacca dall'ugello e la scintilla genera l'arco pilota. Maggiore usura delle parti interne della torcia, minori disturbi elettromagnetici.
- FR| On utilise un type de torche particulier avec électrode mobile. Quand on active l'amorçage, l'électrode poussée par le gaz se détache de la buse et l'entécille génère l'arc pilote. Comporte une usure plus importante des parties internes de la torche, mais moins de perturbations électromagnétiques.
- ES| Se utiliza un tipo especial del soplete con electrodo móvil. Cuando se activa el cebado, el electrodo empujado por el gas se separa de la boquilla y la chispa genera el arco piloto. El cebado comporta un mayor desgaste de las partes internas del soplete, pero menores interferencias electromagnéticas.
- DE| Dazu benutzt man einen speziellen Brennertyp mit beweglicher Elektrode. Wird die Zündung veranlaßt, löst das ausströmende Gas die Elektrode von der Düse und der Funken erzeugt den Pilotbogen. Stärkere Abnutzung von den innen Teilen des Brenners aber weniger elektromagnetische Störungen.
- RU| Используется особый тип горелки с подвижным электродом. Когда включается возбуждение, электрод под действием газа отсоединяется от сопла и искра генерирует пилотную дугу. Повышенный износ внутренних частей горелки, пониженные электромагнитные помехи.

PLASMA Cutting



XT

BUILT-IN COMPRESSOR

GOUGING



A Technology Plasma 41 XT



B Technology Plasma 54 XT Kompressor



C Technology Plasma 60 XT



D Superior Plasma 70

E Superior Plasma 100

F Superior Plasma 160

MANUAL & AUTOMATIC CUTTING

GOUGING



PLASMA CONSUMABLES PAG.92

OPTIONAL

CONSUMABLES BOXES

- PH 804117 **A**
- PK 804188 **B**
- PH PERFORMANCES 804189 **C**
- PV 804108 **D**

PLASMA TORCHES

- 4m PH 804155 **AC**
- 4m PK 804156 **B**
- 6m PV 804041 **D**
- 6m PX 802965 **EF**
- 12m PX 802973 **EF**
- FOR AUTOMATIC SYSTEMS
- 12m PX A 802955 **DEF**

CIRCULAR CUTTING UNITS

- Ø max 680mm 804169 **ABC**
- 804059 **DEF**

STARTER KIT

- 45A PXA 802879 **EF**
- 65A 802880 **EF**
- 85A 802881 **EF**
- 105A 802882 **F**
- 125A 802886 **F**
- 45A PX 802958 **EF**
- 65A 802959 **EF**
- 85A 802960 **EF**
- 105A 802961 **EF**
- 125A 802966 **F**
- 150A 802956 **F**

STARTER KIT PACK 85A - 105A

- x PX TORCH 804906 **E**
- STARTER KIT PACK 105A - 125A - 150A
- x PX TORCH 804907 **F**

PX A TORCH ACCURCUT CONSUMABLES

- Kit 5 nozzles 45A 804315 **DEF**
- Kit 2 shields 45A 804316 **DEF**
- TROLLEYS AMERICA 803084 **D**
- EUROPA 803073 **E**
- CONTINENTAL 803064 **F**

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	A _{MAX}	P _{MAX}	η	φ	mm	L/min	bar	IP	mm (LxWxH)	kg
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	A	η/cos φ	mm	L/min	bar	IP	mm (LxWxH)	kg
A	Technology Plasma 41 XT	230 1 ph	10 - 40	35 30%	-	313	25	4	16	0,85 0,7	15	100	4 - 5	IP23	475x182x292	9
B	Technology Plasma 54 XT K	230 1 ph	10 - 40	35 30%	-	313	27,5	4,5	16	0,82 0,7	12	-	-	IP23	470x260x378	17,8
C	Technology Plasma 60 XT	230 1 ph	10 - 60	50 30%	-	313	34	5,5	20	0,9 0,7	20	100	4 - 5	IP23	506x182x292	10,3
D	Superior Plasma 70	230/400 3 ph	20 - 70 (400V)	70 30%	50	325	13	8,5	-	0,9 0,9	30	200	4 - 5	IP23	470x190x355	15,8
E	Superior Plasma 100	230/400 3 ph	20 - 50 (230V)	50 35%	40	310	16	5,5	-	-	-	-	-	-	-	-
E	Superior Plasma 100	230/400 3 ph	30 - 100 (400V)	100 30%	75	315	20,8	13,5	-	0,87 0,9	40	290	4 - 5	IP23	530x240x450	28
F	Superior Plasma 160	230/400 3 ph	30 - 160 (400V)	150 30%	120	348	40	25	-	0,86 0,9	50	290	4 - 5	IP23	670x310x560	46

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

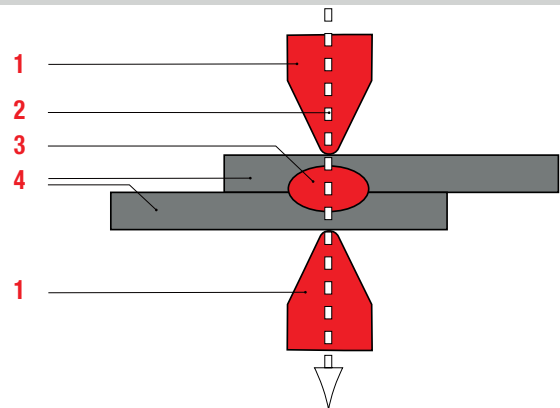
SPOT WELDING

CHARGING & STARTING

INDEX

SPOT WELDING PROCESS

- EN| 1.Electrode 2.Electric current 3.Kernel 4.Weldable material
- IT| 1.Elettrodo 2.Corrente elettrica 3.Nocciolo 4.Materiale da saldare
- FR| 1.Électrode 2.Courant électrique 3.Noyau 4.Matériau à souder
- ES| 1.Electrodo 2.Corriente eléctrica 3.Núcleo 4.Material a soldar
- DE| 1.Elektrode 2.Elektrische Strom 3.Kern 4.Schweißwerkstoff
- RU| 1.Электрод 2.Электрический Ток направляющей 3.Ядро 4.Свариваемый Материал



PULSE WELDING

- EN| It is used to weld metal sheets with traces of paint; oxidized or galvanized sheets or with a high yield point. In particular, pulsed welding with medium frequency direct current (MFDC inverter) makes it possible to achieve an even more precise, quicker dynamic and control of the spot weld, which are fundamental requirements when working on new materials.
- IT| Viene utilizzata per saldare lamiere con tracce di vernice, ossidate, zincate od ad alto rischio di snervamento. In particolare, il pulsato in corrente continua a media frequenza (MFDC inverter) consente una dinamica ed un controllo della puntatura ancora più precisi e rapidi, fondamentale per i nuovi materiali.
- FR| S'utilise pour les interventions sur des tôles portant des traces de peinture, oxydées, zinguées ou à haute limite d'élasticité. Le mode pulsé à courant continu et fréquence moyenne (MFDC inverter) augmente la précision et la rapidité dynamique et du contrôle du pointage, qualité essentielle pour le traitement des nouveaux types de matériaux.
- ES| Se utiliza para soldar chapas con restos de pintura, oxidadas, galvanizadas o con alto límite de deformación. En especial, el pulsado en corriente continua de media frecuencia (MFDC inverter) permite una dinámica y un control de la soldadura por puntos aún más precisos y rápidos, fundamentales para intervenciones en los nuevos materiales.
- DE| Wird für die Bearbeitungen von Blechen mit Lackspuren, von oxidierten, verzinkten oder solchen Blechen mit hoher Streckgrenze benutzt. Das pulsierte Gleichstromverfahren mit mittlerer Frequenz (MFDC inverter) ermöglicht eine noch genauere und reaktionsschnellere Dynamik und Steuerung beim Punkten, was für Arbeiten an neuen Werkstoffen von grundlegender Bedeutung ist.
- RU| Используется для сварки листов со следами краски, окисленных, оцинкованных или с высоким риском текучести металла. В частности, импульсы при постоянном токе средней частоты (MFDC инвертер) позволяют обеспечить динамику и контроль контактной сварки, становящейся еще более точной и быстрой, что очень важно для новых материалов.

HIGH STRENGTH STEELS

- EN| Classified into various types (HSS, UHSS, AHSS-e.g boron steel), they are considerably lighter in weight than conventional steel and have improved mechanical properties as regards static and dynamic strength, mouldability and energy absorption. Their use for both structural and non- structural vehicle parts has significantly increased. Welding, spot-welding and cutting operations therefore require equipment that perfectly respects the properties of these materials and ensures a high quality finish for every job.
- IT| Rappresentati in varie tipologie (HSS, UHSS, AHSS-es.acciaio al boro), hanno un peso sensibilmente inferiore all'acciaio convenzionale e caratteristiche meccaniche migliorative circa la resistenza statica e dinamica, la formabilità, l'assorbimento di energia. Significativa è la crescita del loro utilizzo in parti strutturali e non dei veicoli. Le operazioni di saldatura, puntatura e taglio richiedono quindi attrezzature perfettamente aderenti alle caratteristiche di questi materiali, assicurando in ogni intervento una alta qualità di esecuzione.
- FR| En différents types (HLE, THLE, UHLE-ex. aciers au bore), ils offrent un poids sensiblement inférieur à l'acier classique et des caractéristiques mécaniques supérieures en termes de résistance statique, dynamique, formabilité et absorption d'énergie. Leur utilisation s'accroît de façon significative pour les parties structurelles, et non pour celles du véhicule. Les opérations de soudage, pointage et coupe exigent donc des outils correspondant parfaitement aux caractéristiques de ces matériaux et assurant une haute qualité d'exécution pour tous les types d'interventions.
- ES| Representados en varios tipos (HTS, UHTS, AHTS - Ej. acero al boro), tienen un peso sensiblemente inferior al acero convencional y características mecánicas mejores respecto la resistencia estática y dinámica, la formabilidad, la absorción de energía. Es significativo el crecimiento de su utilización en partes estructurales y no estructurales de los vehículos. Las operaciones de soldadura, soldadura por puntos, y corte requieren, por lo tanto, equipamientos perfectamente adherentes a las características de estos materiales, asegurando en cualquier intervención una alta calidad de ejecución.
- DE| In zahlreichen Sorten vertreten (HSS, UHSS, AHSS- z. B. Borstahl), weisen sie ein erheblich geringeres Gewicht auf als herkömmlicher Stahl. Was die mechanischen Eigenschaften, die statische und dynamische Festigkeit, die Verformbarkeit und die Energieabsorption angeht, schneiden sie besser ab. Bezeichnend ist in diesem Zusammenhang ihre wachsende Bedeutung für tragende und nicht tragende Fahrzeugteile. Zum Schweißen, Punkten und Schneiden sind deshalb Ausrüstungen erforderlich, die genau auf die Eigenschaften dieser Werkstoffe zugeschnitten sind und stets eine hohe Endqualität sicherstellen.
- RU| Представленные разными типами (HSS, UHSS, AHSS- например, сталь с бором), они обладают весом, значительно меньшим по сравнению с обычной сталью, и улучшенными механическими характеристиками статической и динамической прочности, способностью к формовке, поглощением энергии. Их использование в структурных и прочих частях автотранспортных средств значительно возросло. Операции сварки, точечной контактной сварки и резки требуют оборудования, полностью соответствующего характеристикам данных материалов, гарантируя высокое качество исполнения при любых операциях.

SMART INDUCTOR 5000



**Revolutionary!
Rivoluzionario!**



version:
CLASSIC

TELWIN
mod. Twister

**QUICK & EASY
SMART
AUTOMATIC**

OPTIONAL



TECHNICAL DATA

STANDARD

	CODE	V _{PH}	HEAT TWISTER	SUPER REMOVER	PAD INDUCTOR	LEVERS (3 pcs)	REMOTE CONTROL	GLASS GENIUS	WONDER PEN II	METAL RELEASER	P _{MAX}	F _{OUT}	P _{MAX}	IP	W _{TH}	k _g
		V (50-60Hz)	801412	801400	801402	321031	981147	801403	801420	801401	kW	kHz	kW		mm	kg
Smart Inductor 5000 TWISTER	835012		✓													7,3
Smart Inductor 5000 CLASSIC	865011	200/240 1 ph	✓	✓	✓	✓	✓				2,4	35-100	2,3	IP21	390 260 230	10,4
Smart Inductor 5000 DELUXE	865012		✓	✓	✓	✓	✓	✓	✓	✓						13,6

REMOVES BOLTS

Frees any stuck or rusted part quickly.



Rimuove velocemente i pezzi bloccati o arrugginiti.



- > Bolts, Screws
- > Bearings, Fasteners
- > Tie-rods, Hinges
- > Nuts, Gears

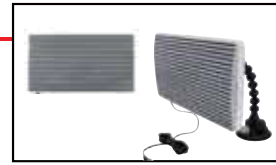
- > Bulloni, Viti
- > Cuscinetti, Ganci
- > Tiranti, Cardini
- > Dadi, Ingranaggi

REMOVES HAIL DENTS



Facilitates the repair of hail dents, without removing the paint.

Ripara ammaccature da grandine senza sverniciare.

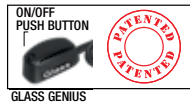


REMOVES GLASS

Removes glass without preparation time and work.



Rimuove vetri senza lavori e tempi di preparazione.



- > Windshields
- > Rear windows
- > Side windows

- > Parabrezza
- > Vetri posteriori
- > Finestrini laterali

REMOVES PROTECTIONS

Removes protections and exterior trims in a few seconds.



Rimuove in pochi secondi protezioni e rivestimenti esterni.

- > Anti-gravel protection
- > Protective films
- > Exterior trims

- > Rivestimenti anti-ghiaia
- > Pellicole protettive
- > Rivestimenti esterni

REMOVES GLUED PART

Detaches any adhesive and glued part easily.



Stacca velocemente parti incollate e ogni tipo di adesivo.

- > Mouldings
- > Side plastic parts
- > Stickers, Stripes

- > Modanature
- > Plastiche laterali
- > Adesivi, Grafica

...AND MUCH MORE...

Fit to operate in many other removal operations.



Interviene efficacemente in molte altre situazioni di rimozione.

- > Interior trims
- > Sealants
- > Vinyl roofs
- > Thread lock compounds
- > Rivestimenti interni
- > Sigillanti
- > Tetti in vinile
- > Liquido frenafilotti

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

SPOT Welding



Aluminium

A Alucar 5100



Aluminium

B Aluspotter 6100



NO GAS

C D-ARC 200



D Puller 4000



E Digital Puller 5500 DUO

0.6 mm Set the thickness and start working! **ONE TOUCH** LCD

STEEL DENT PULLER

Digital Car Spotter 5500 AUTOMATIC (400V) cod. 823234

Digital Car Spotter 5500 AUTOMATIC (230V) cod. 823233



F Digital Puller 5500

0.6 mm Set the thickness and start working! **ONE TOUCH** LCD



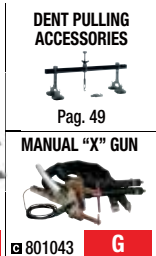
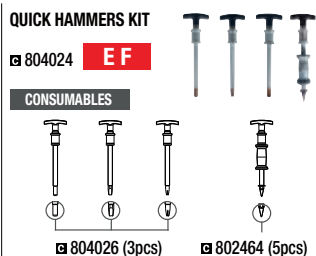
G Digital Car Spotter 5500

0.8 mm Set the thickness and start working! **ONE TOUCH** LCD

OPTIONAL

- D-ARC DELUXE BOX **C** 804150
- MULTIPIN EXTRACTOR **C** 804154
- PIN HOLDER **C** 804147
- PIN EXTRACTOR **C** 742778

- CONSUMABLES C**
- KIT 50 FLAT HOOK WASHERS
- AI 99,5% 804250
- AlMg 804140
- AISI 804142
- KIT 50 TWISTED HOOK WASHERS
- AI 99,5% 804251
- AlMg 804141
- AISI 804143



TECHNICAL DATA

	CODE	V _{PH}	A _{MAX}	P _{50%}	V ₀	C	E _s T _s	#	mm	mm	η φ	A _{OUT}	DUTY CYCLE	IP	mm (LxWxH)	kg	
		V (50-60Hz)	A	KW	V	A	J/ms	studs/min	mm	mm	1/100 φ	A	%		mm (LxWxH)	kg	
A	Alucar 5100	828069	230 1 ph	-	0,25	12	-	19500	390 1-3	7	3-4	-	0,6	-	IP22	450x150x270	11,7
B	Aluspotter 6100	823049	115/230 1 ph	-	0,9	12	-	66000	1500 1-3	20	3-8	-	0,8	-	IP23	430x170x290	15,5
C	D-Arc 200	816160	230 1 ph	200	6,3	80	10	-	-	-	-	0,92 0,7	-	2	IP23	385x150x265	7,4
D	Puller 4000	828129	230 1 ph	2600	7 1,2	5,6	16	-	-	-	-	0,8	1800	1,5	IP22	390x260x225	16
E	Digital Puller 5500 DUO	828131	230 1 ph	3800	10,5 1,8	5,6	16	-	-	-	-	0,8	2500	1,5	IP22	390x260x225	24
F	Digital Puller 5500 (400V)	828128	400 2 ph	3800	10,5 1,8	5,6	10	-	-	-	-	0,8	2500	1,5	IP22	390x260x225	21
	Digital Puller 5500 (230V)	828127	230 1 ph			16	-	-	-	-	-						
G	Digital Car Spotter 5500 (400V)	823232	400 2 ph	4200	11 2	6	-	-	-	-	1,5+1,5	0,7	3000	3	IP22	390x260x225	26
	Digital Car Spotter 5500 (230V)	823219	230 1 ph			-	-	-	-	-	-						

DENT PULLING ACCESSORIES



PULLING BARS • BARRE DI TRAZIONE • BARRES DE TRACTION • BARRAS DE TRACCIÓN • HERAUSZIEHEN STANGE • ТЯГА

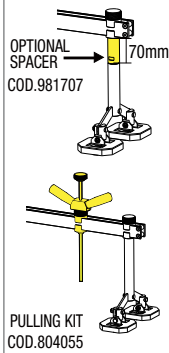
PULLING BAR

cod. 802433



STANDARD BAR	OPTIONAL BAR
0.9m	1.5m
	COD.802815

OPTIONAL:



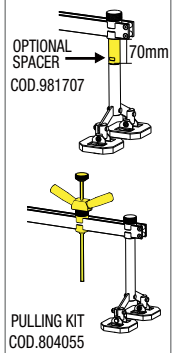
TRACTION BAR

cod. 802657



STANDARD BAR	OPTIONAL BAR
0.9m	1.5m
	COD.802815

OPTIONAL:

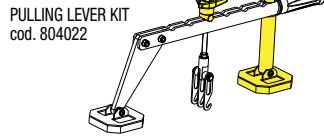


KIT MULTILEVER

cod. 802442



OPTIONAL:



MULTIHOOKS • MULTIGANCIO

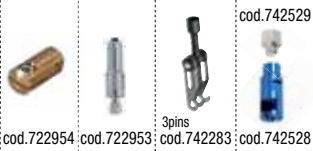


EXTRACTORS • ESTRATTORI • EXTRACTEURS • EXTRACTORES • EXTRAKTOREN • ЦИПЦЫ

cod. 722952



OPTIONAL:



MAXI EXTRACTOR
cod. 802451



RAPID SPOT
cod. 802461



OPTIONAL:



POINTING MASS • MASSA A PUNTARE

cod. 802462



POSITIONER FOR WAVY WIRE

cod. 742087

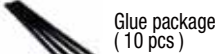
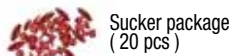
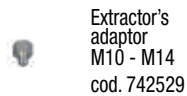
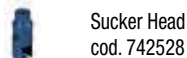


GLUE PULLER KIT



cod. 802660

INCLUDED :



OPTIONAL:

Sucker kit:
 Ø 11 mm kit 10 pcs cod. 802641
 Ø 16 mm kit 10 pcs cod. 802642
 Ø 21 mm kit 10 pcs cod. 802643
 Ø 32 mm kit 10 pcs cod. 802644

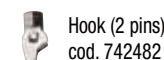
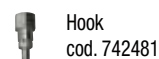
Glue kit:
 kit 10 pcs cod. 802735

COMPACT PULLER



cod. 802599

COMPLETE WITH HOOKS

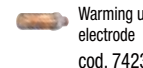


PULL SYSTEM



cod. 804025

OPTIONAL



EXTRACTOR



cod. 722952
cod. 802451

cod. 742529

cod. 742528

STARTER STATIONS & PULLER STATIONS



COMPLETE SOLUTIONS FOR STEEL AND ALUMINIUM

STARTER STATIONS

PULLER STATIONS



STEEL

ALUMINIUM

STEEL

STEEL

**STEEL STARTER
STATION**
cod. 804902

**ALU STARTER
STATION**
cod. 802853

**STEEL
STATION**
cod. 802850

**STEEL STATION
DELUXE**
cod. 804901

TROLLEYS

OPTIONAL GENERATORS

ALUMINIUM



cod. 803095

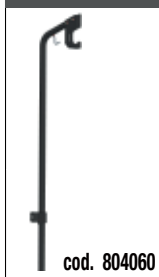
**PULLER STATION
TROLLEY**



KIT 6 HOOKS

cod. 803507

CABLES HOLDER KIT



cod. 804060



cod. 803084

**AMERICA
TROLLEY**



Alucar 5100

Aluspotter 6100

D-Arc 200

COMPLETE SOLUTIONS FOR STEEL AND ALUMINIUM



ALUMINIUM

**ALU STATION
DELUXE**
cod. 804905



ALUMINIUM

STEEL

**COMBO ALU
& STEEL**
cod. 802851



ALUMINIUM

STEEL

**COMBO ALU &
STEEL DELUXE**
cod. 804904

OPTIONAL GENERATORS

STEEL



Digital Puller 5500 Duo
+ Duo accessory kit (cod. 804900)

Digital Puller 5500

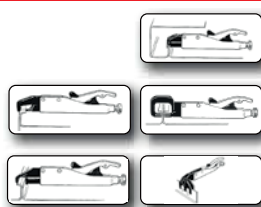
Digital Car Spotter 5500

STARTER & PULLER STATIONS



	STEEL STARTER STATION cod. 804902	ALU STARTER STATION cod. 802853	STEEL STATION cod. 802850	STEEL STATION DELUXE cod. 804901	ALU STATION DELUXE cod. 804905	COMBO ALU & STEEL cod. 802851	COMBO ALU & STEEL DELUXE cod. 804904
AMERICA TROLLEY COD. 803084	W	W					
PULLER STATION COD. 803095			W	W	W	W	W
KIT MULTILEVER cod. 802442	W		W	W		W	W
PULLING LEVER KIT cod. 804022	W						
TRACTION BAR cod. 802657				W		W	W
PULLING BAR cod. 802433			W	W	W		W
COMPACT PULLER cod. 802599		W			W	W	W
LONG BAR KIT (1,5M) cod. 802815				W			W
PULL SYSTEM cod. 804025			W	W		W	
MULTIHOOKS cod. 802691 (8 PINS)				W		W	W
MULTIHOOKS cod. 802692 (6 PINS)			W	W	W	W	W
DENT PULLING BOX cod. 802690	W		W	W		W	W
ADJUSTABLE FILE HOLDER + BODYBLADE 9TPI cod. 804067					W		W
ALUMINIUM HAMMERS KIT cod. 804161					W		W
HEAT GUN cod. 804096					W		W
RUBBERIZED DOLLY SET KIT cod. 804063					W		W
SUGGESTED GENERATOR (NOT INCLUDED)							
ALUCAR 5100							
ALUSPOTTER 6100		W			W	W	W
D-ARC 200							
DIGITAL PULLER 5500 DUO							
DIGITAL PULLER 5500	W		W	W		W	W
DIGITAL CAR SPOTTER 5500							

AUTOMOTIVE WELDING CLAMPS • PINZE DI SALDATURA PER AUTOMOTIVE • PINCES DE SOUDAGE POUR AUTOMOTIVE • PINZAS DE SOLDADURA PARA AUTOMOTIVE • AUTOMOTIVE SCHWEISSZANGEN • СВАРОЧНЫЕ ЗАЖИМНЫЕ АВТОСЕКМЕНТА



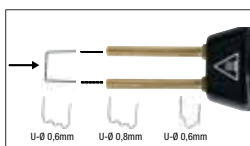
HOT STAPLER PLASTIC REPAIR

SALDATORE PER PLASTICA CON GRAFFETTE A CALDO • SOUDEUR POUR PLASTIQUE AVEC AGRAFES À CHAUD • SOLDADOR PARA PLÁSTICO CON GRAPAS EN CALIENTE
 • PLASTIKSCHWEISSGERÄT MIT KLAMMERN FÜR HEISSARBEITEN • ПАЯЛЬНИК ДЛЯ ПЛАСТИКА С НАГРЕВАЕМЫМИ СКОБАМИ

- makes solid, permanent repairs of breaks, cracks and tears in rigid or flexible plastic parts

- Easy-to-use tool for quick and efficient repairing

cod. 804159



NEW



CONSUMABLES:

FLAT STAPLES KIT

- Ø 0,6mm 100pcs cod. 804075
- Ø 0,8mm 100pcs cod. 804076

WAVE STAPLES KIT

- Ø 0,6mm 100pcs cod. 804077
- Ø 0,8mm 100pcs cod. 804078

INSIDE CORNER STAPLES KIT

- Ø 0,8mm 100pcs cod. 804079

OUTSIDE CORNER STAPLES KIT

- Ø 0,6mm 100pcs cod. 804080

INCLUDED



- plastic carry case
- 50pcs flat staples Ø 0,6mm
- 50pcs flat staples Ø 0,8mm
- 50pcs inside corner staples Ø 0,6mm
- 230V charger

light and portable

lithium batteries

RUBBERIZED DOLLY SET KIT (7pcs)

KIT TASSELLI RIVESTITI IN GOMMA • KIT TASSEUX REVÊTUS DE GOMME • KIT DE TACOS REVESTIDOS DE GOMA
 • SET AUS MIT GUMMI VERKLEIDETEN EINSATZSTÜCKEN • КОМПЛЕКТ ДЮБЕЛЕЙ С РЕЗИНОВЫМ ПОКРЫТИЕМ

- Ideal for aluminium and steel work
- Less bounce back than steel dollies

- The steel core in each dolly has a dense rubber covering that absorbs the harsh impacts.
- 7 pieces of rubberized dollies in a moulded carry case



cod. 804063



HEAT GUN

PISTOLA TERMICA • PISTOLET THERMIQUE
 • PISTOLA TÉRMICA • THERMISCHE PISTOLE
 • ТЕПЛОВОЙ ПИСТОЛЕТ



- Digital temperature control

cod. 804096
 230V ~ 50Hz 1ph

TEFLON WEDGES KIT (10pcs)

KIT CUNEI IN TEFLON • KIT CALES EN TÉFLON
 • KIT DE CUÑAS DE TEFLÓN • TEFLONKEIL-SET
 • КОМПЛЕКТ ТЕФЛОНОВЫЙ КЛИНЬЕВ

- Tools for dent removal without damaging paint.
- 2 handles, 6 interchangeable attachments in a plastic carry case



cod. 804068

ADJUSTABLE FILE HOLDER + BODYBLADE 9TPI

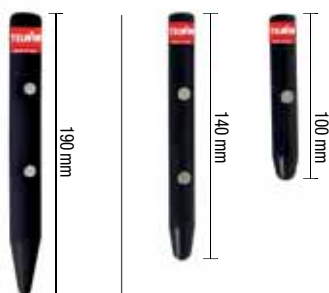
PORTA LIMA REGOLABILE + LIMA 9TPI • PORTE-LIME RÉGLABLE + LIME 9TPI
 • SOPORTE LIMA REGULABLE + LIMA 9TPI • EINSTELLBARER FEILENHALTER + FEILE 9TPI
 • РЕГУЛИРУЕМЫЙ ДЕРЖАТЕЛЬ НАПИЛЬНИКА + НАПИЛЬНИК 9TPI



cod. 804067

MAGNETIC TAP DOWN

PUNTA MAGNETICO • POINÇON MAGNÉTIQUE
 • PUNTA MAGNÉTICA • MAGNETSPITZE • МАГНИТНЫЙ НАКОНЕЧНИК



cod. 804070

cod. 804071
 (Kit 2pcs)

RUBBER HAMMERS KIT (3pcs)

KIT MARTELLI IN GOMMA • KIT MARTEAUX EN GOMME
 • KIT DE MARTILLOS DE GOMA • GUMMIHAMMER-SET
 • КОМПЛЕКТ РЕЗИНОВЫХ МОЛОТКОВ



cod. 804066



ALUMINIUM HAMMERS KIT (3pcs)

KIT MARTELLI IN ALLUMINIO • KIT MARTEAUX EN ALUMINIUM
 • KIT DE MARTILLOS DE ALUMINIO • ALUMINIUMHAMMER-SET
 • КОМПЛЕКТ АЛЮМИНИЕВЫХ МОЛОТКОВ



IN PLASTIC CARRY CASE

cod. 804161



A Digital Spotter 7000

PULSE GALVANISED **ONE TOUCH** LCD
 0.8 mm Set the thickness and start working!

STANDARD

TROLLEY AMERICA
 803084



B-C Digital Spotter 9000 (AQUA)

PULSE GALVANISED **ONE TOUCH** LCD
 0.8 mm Set the thickness and start working!



DIGITAL SPOTTER 9000 AQUA
 WITH OPTIONAL POLE AND BALANCER



OPTIONAL

KIT STUDDER	KIT STUDDER AUTOMATIC	MANUAL "C" GUN	MANUAL "X" GUN	DOUBLE SPOT GUN	LOAD BALANCER AND POLE KIT	WELDING GUNS FOR AUTOMOTIVE	COOLANT FOR COOLING SYSTEMS
802832	802833	801041	801043	801052 B C	802811 B C	802627	802976 C
				AIR COOLED			ARMS & ELECTRODES
							Pag. 93

TECHNICAL DATA

	CODE	V _{PH}	A _{OUT}	V ₀	P _{MAX}	P _{50%}	Ø	mm	DUTY CYCLE	IP	mm (LxWxH)	kg
		V (50-60Hz)	A	V	kW	kW	cos φ	mm	%		mm (LxWxH)	kg
A Digital Spotter 7000	823198	400 2 ph	4500	8,6	27,3	6,7	0,7	1,5+1,5	3	IP22	520x380x885	50
B Digital Spotter 9000	823195	400 (•) 2 ph	7000	10	47	8	0,8	3+3	3	IP22	790x450x900	78
C Digital Spotter 9000 AQUA (*)	823196	400 (•) 2 ph	7000	10	47	11	0,8	3+3	5	IP22	790x450x900	95

(*) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - C водяным охлаждением

(•) = 208-230V Mains on request - Alimentazione a richiesta - Alimentation sur demande - Alimentación a requerimiento - Stromversorgung auf Anfrage - Питание по запросу

INNOVATIVE TECHNOLOGY & GREAT PERFORMANCE

INVERSPOTTER RANGE: TELWIN APPROVED SOLUTION FOR HIGH STRENGTH STEEL

- EN | The Inverspotter 13500 and 14000 Smart Aqua are Telwin's solution for working on such new materials as boron steel, HSS, UHSS, with approval by prestigious automotive manufacturers. Inverter technology and innovative applied design solutions provide a firm guarantee of top quality, reliable work.
- IT | Inverspotter 13500 e 14000 Smart Aqua sono la risposta di Telwin per operare sui nuovi materiali quali l'acciaio al boro, gli acciai ad alta resistenza HSS, UHSS, riconosciuta dalle prestigiose approvazioni delle case automobilistiche. La tecnologia ad inverter e le innovative soluzioni progettuali applicate garantiscono sempre una grande qualità ed affidabilità degli interventi.
- FR | Inverspotter 13500 et 14000 Smart Aqua sont la réponse offerte par Telwin aux nouveaux matériaux - acier au bore et aciers haute résistance HLE, UHLE - et ont reçu l'approbation prestigieuse du secteur automobile. La technologie à inverseur et les solutions conceptuelles novatrices appliquées garantissent une grande qualité et fiabilité des interventions.
- ES | Inverspotter 13500 y 14000 Smart Aqua son la respuesta de Telwin para operar en los nuevos materiales como el acero al boro, aceros de alta resistencia HTS, UHTS, reconocida por las prestigiosas aprobaciones de las empresas automovilísticas. La tecnología de inverter y las innovadoras soluciones de diseño aplicadas garantizan siempre una gran calidad y fiabilidad en las intervenciones.
- DE | Inverspotter 13500 und 14000 Smart Aqua sind die Antwort von Telwin auf die Nachfrage, die sich auf die Bearbeitung neuer Werkstoffe wie Borstahl oder hochfester Stähle HSS, UHSS richtet. Die Qualität ist durch die prestigeträchtige Zulassung von Automobilherstellern verbürgt. Die Invertertechnik und die zur Anwendung kommenden innovativen Konstruktionslösungen bürgen jederzeit für ausgezeichnete Qualität und Zuverlässigkeit im Betrieb.
- RU | Инверспоттер 13500 и 14000 Smart Aqua - это ответ TELWIN на вопрос, как работать на новых материалах, таких как, боровая сталь, и стали высокой прочности HSS, UHSS, получивший одобрения от престижных автомобильных производителей. Технология инвертер и новые используемые проектные решения гарантируют постоянно высокое качество и надежность работы.

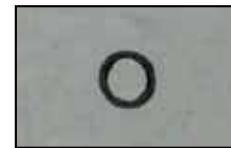
TYPES OF SPOT



Inverter Spot
HSS Steel 2+2 mm



Inverter Spot
Stainless Steel
2+2mm



Inverter Spot
Steel 3+3 mm



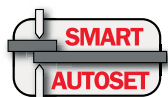
Traditional Spot
Steel 3+3 mm



NO ADJUSTMENTS, FULL AUTOMATIC!



inverter



APPROVED by



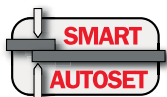
COMPLETE WITH OPTIONAL:
POLE AND BALANCER, 360 RING KIT
(823349+802650+802866)



A Inverspotter 13500 Smart AQUA

INCLUDED
CAPS EXTRACTOR
712331

inverter



APPROVED by



Mercedes Benz

General Motors



GMC



FIAT
IVECO

COMPLETE WITH OPTIONAL:
POLE AND BALANCER, 360 RING KIT
(823350+802650+802866)



B Inverspotter 14000 Smart AQUA

App name: **Quantum**
compatible (►)

OPTIONAL

KIT STUDDER	"X" GUN	360 RING KIT	LOAD BALANCER AND POLE KIT	CAPS MAINTENANCE KIT AQUA	ARM WALL ORGANIZER	WELDING GUNS FOR AUTOMOTIVE	WI-FI CONNECTIVITY KIT
802699	801063	802866	802650	802767	803106	802627	803069
				802976 (2x)	804073	802586	Pag. 94

TECHNICAL DATA

	CODE	V _{PH}	A _{OUT}	V ₀	P _{MAX}	P _{50%}	I	φ	fL	mm	daN	DUTY CYCLE	IP	mm (LxWxH)	kg	
		V (50-60Hz)	A	V	kW	kW	A	cos φ	Hz	mm	daN	%		mm (LxWxH)	kg	
A	Inverspotter 13500 Smart AQUA (*)	823349	400 3 ph	12000	9	41	8	16	0,95	5000	3+3+3	400	2	IP20	790x450x900	81
B	Inverspotter 14000 Smart AQUA (*)	823350	400 3 ph	15000	13	68	10	-	0,8	8000	3+3+3	580	2	IP20	800x520x1150	100

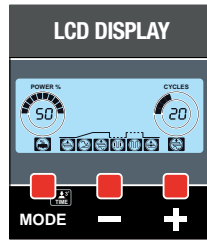
(*) AQUA = Water cooled - Raffreddata ad acqua - Refroidie à l'eau - Refrigerada por agua - Wassergekühlte - С водяным охлаждением

(►) Mains power on request - A richiesta versione - Alimentation sur demande - Alimentación a requerimiento - Stromversorgung auf Anfrage - Питание по запросу 200-240V 3ph (Amax 15000) cod. 823353

(►) with Wi-fi connectivity kit - con kit connettività Wi-fi - avec kit de connectivité Wi-fi - con kit de conectividad Wi-fi - mit Wi-fi-verbundungs-kit - с комплектом подключения Wi-fi



MECHANICAL CONTROL



PNEUMATIC CONTROL



C PTE 18 LCD

D PTE 28 LCD



E PCP 18 LCD

F PCP 28 LCD

OPTIONAL



WATER COOLING SYSTEM

G.R.A. 90

C D E F

802043

KIT AQUA HOSES



802954

C D E F



COOLANT FOR COOLING SYSTEMS

C D E F

802976

ARMS & ELECTRODES



Pag. 93÷94



G Modular 20/TI



H Digital Modular 230

I Digital Modular 400



TECHNICAL DATA

	CODE	V _{PH}	A _{OUT}	V ₀	P _{MAX}	P _{50%}	A	cos φ	mm	daN	mm	DUTY CYCLE	IP	mm (LxWxH)	kg	
		V (50-60Hz)	A	V	kVA	kVA	A					%			kg	
C	PTE 18 LCD (**)	824050	400 2 ph	9700	2,6	22 kVA	15 kVA	-	0,7	3+3	190	330	15	IP20	790x320x1280	118
D	PTE 28 LCD (**)	824051	400 2 ph	16400	4,2	60 kVA	25 kVA	-	0,7	5+5	220	330	5,5	IP20	790x320x1280	147
E	PCP 18 LCD (**)	824052	400 2 ph	9700	2,6	22 kVA	15 kVA	-	0,7	3+3	190	330	15	IP20	790x320x1280	118
F	PCP 28 LCD (**)	824053	400 2 ph	16400	4,2	60 kVA	25 kVA	-	0,7	5+5	220	330	5,5	IP20	790x320x1280	148
G	Modular 20/TI	823015	230 1 ph	5800	2	6 kW	1,2 kW	16	0,9	1+1	-	-	1,5	IP20	440x100x185	9,9
H	Digital Modular 230	823016	230 1 ph	6900	2,5	13 kW	2,3 kW	25	0,9	2+2	-	-	1,5	IP20	440x100x185	10,5
I	Digital Modular 400	823017	400 2 ph	6900	2,5	13 kW	2,3 kW	16	0,9	2+2	-	-	1,5	IP20	440x100x185	10,3

(**) 230V - Mains power on request - Alimentazione 230V a richiesta - Alimentation 230V sur demande - Alimentación 230V a requerimiento - Stromversorgung 230V auf Anfrage - Питание 230В по запросу

CHOOSE YOUR PRODUCTS

TECHNICAL INFORMATION

BATTERY CHARGER & STARTER CHOICE TABLE

		CHARGE 15h		MAINTENANCE		START		5 min. pre charge + START		AUTOMATIC						
		20 Ah	60 Ah	80 Ah	100 Ah	150 Ah	200 Ah	> 250 Ah	WET	GEL AGM MF	EFB START STOP	Li	TEST	TRONIC	PULSE TRONIC	
Charge	DEFENDER 8								•	•	•			✓		
	DEFENDER 12								•	•	•			✓		
	AUTOTRONIC 25 BOOST								•	•	•			✓		
	T-CHARGE 12 - 12 EVO								•	•	•	• EVO	✓ EVO		✓	
	DEFENDER 20 BOOST								•	•	•				✓	
	T-CHARGE 20 - T-CHARGE 20 EVO - 26 EVO								•	•	•	• EVO	✓ EVO		✓	
	PULSE 30, 50, DOCTOR CHARGE 50, DOCTOR CHARGE 130								•	•	•	• DC 50 • DC 130	✓ DC 50 ✓ DC 130		✓	
	TOURING								•	•	•				✓	
	NEVADA								•							
	ALPINE 15								•							
	ALPINE 18 - 20 BOOST								•							
	ALPINE 30 - 50 BOOST								•							
	NEVABOOST 100								•							
	COMPUTER 48/2 PROF								•							
Charge & Start	DOCTOR CHARGE 130								•	•	•		✓		✓	
	ALASKA 150 - 200 START								•	•	•			✓		
	LEADER 150 START								•							
	LEADER 220 START								•							
	DOCTOR START 330								•	•	•	•	✓		✓	
	LEADER 400 START - SPRINTER 3000 START - DYNAMIC 320 START								•							
	DOCTOR START 530 - 630								•	•	•	•	✓		✓	
	SPRINTER 4000 - 6000 START - DYNAMIC 420 - 520 - 620 START								•							
	ENERGY 650 - 1000 START								•							
	ENERGY 1500 START								•							
									•							

12V		20 Ah	60 Ah	80 Ah	100 Ah	150 Ah	200 Ah
Start	DRIVE MINI						
	DRIVE 9000 - 13000 - FLASH START 700						
	DRIVE PRO 12						
	STARTZILLA 4012 XT						
	STARTZILLA 9012 XT						
	PRO START 2824 - DRIVE PRO 12/24						
	STARTZILLA 9024 XT - START PLUS 4824						
	START PLUS 6824						

24V		80 Ah	120 Ah	180 Ah

TYPES OF BATTERIES

EN | WET Batteries: Lead-Antimony (PbSn) or Lead-Calcium (PbCa) or Lead Calcium-Silver (PbCaAg) batteries with liquid electrolyte.

IT | Batterie WET: Batterie al Piombo-Antimonio (PbSn) o Piombo-Calcio (PbCa) o Piombo-Calcio Argento (PbCaAg) con elettrolita liquido.

FR | Batteries WET: Batteries au plomb-antimoine (PbSn) ou plomb-calcium (PbCa) ou plomb-calcium-argent (PbCaAg) avec électrolyte liquide.

ES | Baterías WET: Baterías al plomo-antimonio (PbSn) o plomo-calcio (PbCa) o plomo-calcio-plata (PbCaAg) con electrolito líquido.

DE | WET Batterien: Blei-Antimon-Batterien (PbSn) oder Blei-Kalzium-Batterien (PbCa) oder Blei-Kalzium-Silber-Batterien (PbCaAg) mit flüssigem Elektrolyt.

RU | **Аккумуляторы WET:** Аккумуляторы со свинцом-сурьмой (PbSn) или свинцом кальцием (PbCa) или свинцом-кальцием-серебром (PbCaAg) с жидким электролитом.



EN | GEL Batteries: Lead-Calcium batteries (PbCa) with solid gelatinous electrolyte. Given that these batteries are completely sealed. Maintenance free.

IT | Batterie GEL: batterie al Piombo-Calcio (PbCa) ad elettrolita solido di tipo gelatinoso completamente sigillate. Sono batterie senza manutenzione.

FR | Batteries GEL: Batteries au Plomb-Calcium (PbCa) à électrolyte solide de type gélatineux, complètement hermétiques. Ces batteries demandent pas d'entretien.

ES | Baterías GEL: baterías al Plomo-Calcio (PbCa) de electrolito sólido de tipo gelatinoso completamente cerradas. No necesitan mantenimiento.

DE | GEL-Batterien: Komplett versiegelte Bleikalzium-Batterien (PbCa) mit festem, gelartigem Elektrolyt. Wartungsfreie Batterien.

RU | **Аккумуляторы GEL:** это аккумуляторы со свинцом-кальцием (PbCa) с твердым электролитом типа геля, полностью герметичные. Эти аккумуляторы не нуждаются в техобслуживании.



EN | AGM (ABSORBENT GLASS MAT) batteries: lead batteries with electrolyte absorbed in fibreglass. Completely sealed. They are maintenance-free batteries.

IT | Batterie AGM (ABSORBENT GLASS MAT): batterie al Piombo ad elettrolita assorbito in fibra di vetro. Completamente sigillate. Sono batterie senza manutenzione.

FR | Batteries AGM (ABSORBENT GLASS MAT): batteries au plomb à électrolyte absorbé en fibre de verre. Totalement étanche. Ce sont des batteries qui ne nécessitent pas d'entretien.

ES | Baterías AGM (ABSORBENT GLASS MAT): baterías al plomo de electrolito absorbido en fibra de vidrio. Completamente selladas. Son baterías sin mantenimiento.

DE | AGM (ABSORBENT GLASS MAT) Batterien: Bleibatterien mit in Glasfaser gebundenem Elektrolyt. Vollständig verschlossen. Die Batterien sind wartungsfrei.

RU | **Аккумуляторы AGM (ABSORBENT GLASS MAT – с поглощающим стекловолокном):** свинцовые аккумуляторы с пропитанным электролитом стекловолокном. Полностью герметичные. Эти аккумуляторы не требуют обслуживания.



EN | AGM+ batteries: they ensure a higher number of start-ups at higher current and more in-depth discharge than standard AGM. Used on vehicles with Start-Stop system. Compact dimensions, greater resistance to vibrations and fast recharge times.

IT | Batterie AGM+: assicurano un numero maggiore di avviamenti ad una corrente superiore ed una più elevata profondità di scarica delle AGM standard. Usate nei veicoli dotati di sistema Start-Stop. Dimensioni ridotte, maggiore resistenza alle vibrazioni e tempi di ricarica veloci.

FR | Batteries AGM+: elles garantissent un nombre supérieur de démarrages à un courant plus fort et une plus grande profondeur de décharge que les AGM standard. Utilisées sur les véhicules avec système Start-Stop. Dimensions réduites, plus haute résistance aux vibrations et temps de recharge rapide.

ES | Baterías AGM+: aseguran un número superior de arranques con una corriente superior y una profundidad de descarga más elevada que las AGM estándar. Se usan en los vehículos dotados de sistema Start-Stop. Dimensiones reducidas, mayor resistencia a las vibraciones y tiempos de recarga rápidos.

DE | AGM+ Batterien: eine höhere Anzahl an Startvorgängen bei höherem Stromwert und einer höheren Entladungstiefe als bei den AGM-Standardbatterien. Sie werden in Fahrzeugen mit Start-Stopp-System verwendet. Kompakt sowie widerstandsfähiger gegenüber Vibrationen und schnelle Ladezeiten.

RU | **Батареи AGM+:** обеспечивают большее количество пусков при более высоком токе и большую глубину разряда, чем стандартные аккумуляторы AGM. Используется в автомобилях, оборудованных системой «Старт-Стоп». Небольшой размер, повышенная устойчивость к вибрациям и быстрая зарядка.



EN | EFB (Enhanced Flooded Battery) batteries: liquid electrolyte batteries with a higher recharge capacity and which support a higher quantity of cycles (start-ups) than traditional ones. Ideal for vehicles with Start-Stop system.

IT | Batterie EFB (Enhanced Flooded Battery): batterie ad elettrolita liquido con un migliore capacità di ricarica e che supportano una quantità di cicli (avviamenti) superiore rispetto a quelle tradizionali. Ideali per veicoli dotati di sistema Start-Stop.

FR | Batteries EFB (Enhanced Flooded Battery): batteries à électrolyte liquide à meilleure capacité de recharge et supportant davantage de cycles (démarrages) que les traditionnelles. Idéales pour véhicules avec système Start-Stop.

ES | Baterías EFB (Enhanced Flooded Battery): baterías de electrolito líquido con una mejor capacidad de recarga y que admiten una cantidad de ciclos (arranques) superior respecto a las tradicionales. Ideales para los vehículos dotados de sistema Start-Stop.

DE | EFB (Enhanced Flooded Battery) Batterien: Batterien mit Flüssigelektrolyt mit einer besseren Ladekapazität und der Möglichkeit mehr Ladezyklen (Startvorgänge) im Vergleich zu herkömmlichen Batterien durchzuführen. Sie eignen sich ideal für den Einsatz in Fahrzeugen mit Start-Stopp-System.

RU | **Аккумуляторы EFB (Enhanced Flooded Battery – улучшенный залитый аккумулятор):** аккумуляторы с жидким электролитом с лучшей способностью к подзарядке, которые обеспечивают большее количество циклов (пусков), чем традиционные аккумуляторы. Идеально подходят для автомобилей, оборудованных системой «Старт-Стоп».



EN | Lithium batteries: batteries with reduced weight, high energy density and very low auto-discharge. They are mainly used in the world of motorsport.

IT | Batterie al Litio: batterie con peso ridotto, alta densità energetica e bassissima autoscarica. Sono utilizzate principalmente nel mondo del motorsport.

FR | Batteries au lithium : batteries plus légères, à haute densité énergétique et très basse auto-décharge. Elles sont principalement utilisées dans le sport automobile.

ES | Baterías al Litio: baterías con un peso reducido, alta densidad de energía y bajísima autodescarga. Se utilizan sobre todo en el mundo del automovilismo.

DE | Lithiumbatterien: gewichtsreduzierte Batterien mit hoher Energiedichte und sehr niedriger Selbstentladung. Sie finden hauptsächlich in der Welt des Motorsports Anwendung.

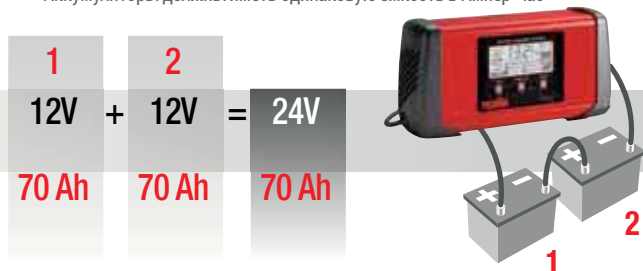
RU | **Литиевые аккумуляторы:** аккумуляторы, отличающиеся малым весом, высокой плотностью энергии и очень низким саморазрядом. В основном они используются в мире автоспорта.



BATTERY CONNECTION

SERIAL CONNECTION

Charge voltage = Sum of each voltage in V • Batteries need to have the same capacity in Ah • Напряжение заряда = Сумма отдельных напряжений • Аккумуляторы должны иметь одинаковую емкость в Ампер-час



PARALLEL CONNECTION

Charge capacity = Sum of each capacity in Ah • Batteries need to have the same voltage in V • Напряжение заряда = Сумма отдельных емкостей • Аккумуляторы должны иметь одинаковое напряжение



CHARGING



CHARGE & MAINTAIN



AGM



COLD



RECOVERY



SUPPLY



6V 12V

A T-Charge 12

12V 24V

B T-Charge 20

Wet Gel MF AGM Pb-Ca EFB

Pulse
Tronic



CHARGE & MAINTAIN



CUSTOM CHARGE



COLD



TEST



RECOVERY



SUPPLY



6V 12V

C T-Charge 12 EVO

12V 24V

D T-Charge 20 EVO

Wet Gel MF AGM Pb-Ca EFB **Li**

Pulse
Tronic



12V 24V

E T-Charge 26 EVO

INTERCHANGEABLE CONNECTORS



OPTIONAL

W

EYELETS



M6 □ 802986
M8 □ 804037

12V PLUG CONNECTOR
DUAL SIZE



□ 804038

TECHNICAL DATA

W

	CODE	V _{PH}	P	V	A _{EFF}	A _{EN}	Ah MIN/MAX	IP	WxH	kg
		V (50-60Hz)	W	V	A	A	Ah 15h		mm (LxWxH)	kg
A	T-Charge 12	230 1 ph	55	6/12	4 (12V) 1 (6V)	4 (12V) 1 (6V)	2/70	65	170x65x35	0,6
B	T-Charge 20	230 1 ph	115	12/24	8 (12V) 4 (24V)	8 (12V) 4 (24V)	5/180	65	270x120x67	1,3
C	T-Charge 12 EVO	230 1 ph	55	6/12	4 (12V) 1 (6V)	4 (12V) 1 (6V)	2/70	65	170x65x35	0,6
D	T-Charge 20 EVO	230 1 ph	115	12/24	8 (12V) 4 (24V)	8 (12V) 4 (24V)	5/180	65	270x120x67	1,4
E	T-Charge 26 EVO	230 1 ph	232	12/24	16 (12V) 8 (24V)	16 (12V) 8 (24V)	10/250	44	270x120x67	1,6

CHARGING & STARTING



Doctor⁺
charge
Pulse⁺

+50%
performance

TRADITIONAL
BATTERY CHARGER

Power Stream
Technology

Traditional
Technology

- ✓ EFFICIENT POWER TRANSFER
- ✓ ADVANCED CHARGING CONTROL
- ✓ LOWER CHARGING TIME
- ✓ LONGER BATTERY LIFE

AUTOMATIC

Pulse⁺



Pulse⁺
Tronic



F Pulse 30

G Pulse 50

6V 12V 24V Wet Gel MF AGM Pb-Ca EFB

CHARGE	CHARGE	MAINTAIN	MONITOR	BOOST
RECOVERY	DESULFATION			
START AID	Pulse ⁺ 50			
MEMORY	FULL SAFE	ENERGY SAVER	MIN VOLTAGE	



TELWIN



MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

THE BATTERY MANAGER

Doctor⁺ charge



Pulse⁺
Tronic



H Doctor Charge 50

CHARGE	CHARGE	MAINTAIN	MONITOR
BOOST	COLD	SILENT	
TEST	VOLT	START	ALTERNATOR
RECOVERY	DESULFATION	EQUALIZATION	
SUPPLY	DIAGNOSTIC	FINE SET	MEMORY SAVER
	SHOW ROOM	LOCK MODE	
START AID	Doctor ⁺ charge 50		
MEMORY	FULL SAFE	ENERGY SAVER	MIN VOLTAGE

OPTIONAL

WALL SUPPORT



803066 FGH

CHARGING CABLES



6m 802793 H
10m 802794 H

DIAGNOSTIC TROLLEY



803077 H

6V 12V 24V
Wet Gel MF AGM Pb-Ca EFB
Li

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH}	P	V	A _{EFF}	A _{EN}	A _{IV/C}	Ah _{MIN/MAX}	mm (LxWxH)	kg	
				V (50-60Hz)	W	V	A	A	A	Ah 15h	mm (LxWxH)	kg	
F	Pulse 30	807587	x	-	230 - 1 ph	350	6/12/24	25/25/12	25/25/12	-	5/400	330x100x160	3,3
G	Pulse 50	807588	x	x	230 - 1 ph	600	6/12/24	45/45/23	40/40/20	70	10/600	330x100x160	3,5
H	Doctor Charge 50	807598	x	x	230 - 1 ph	600	6/12/24	45/45/23	40/40/20	70	10/600	330x100x160	3,7

CHARGING & STARTING



THE BATTERY MANAGER

Doctor⁺ charge



A Doctor Charge 130



PowerStream ^{+50%} TECHNOLOGY PERFORMANCE



Pulse[~]Tronic



TELWIN

OPTIONAL

WALL SUPPORT



803078

CHARGING CABLES



6m 802945
10m 802946

DIAGNOSTIC TROLLEY



803077

CHARGE	CHARGE	CHARGE	MAINTAIN	MONITOR
BOOST	COLD	SILENT		
TEST	VOLT	START	ALTERNATOR	
RECOVERY	DESULFATION	EQUALIZATION		
SUPPLY	DIAGNOSTIC	FINE SET	MEMORY SAVER	
SHOW ROOM	LOCK MODE			
	Doctor ⁺ 130 charge			
START	Doctor ⁺ 130 charge			
MEMORY	FULL SAFE	ENERGY SAVER	MIN VOLTAGE	

TECHNICAL DATA	CODE	CHARGE	START	V _{PH}	P _{C/S}	V	A _{EFF}	A _{EN}	A _{1V/C}	Ah _{MIN/MAX}	mm (LxWxH)	kg
				V (50-60Hz)	kW	V	A	A	A	Ah 15h	mm (LxWxH)	kg
A Doctor Charge 130	807599	x	x	230 - 1 ph	1,8/2	12/24	140/70	120/60	180	20/1200	200x260x340	6

- 12V
- 24V
- Wet
- Gel
- MF
- AGM
- Pb-Ca
- EFB
- Li

Doctor⁺ start

NEW



TELWIN mod. 330

OPTIONAL

FUSE KIT 20 PCS



- 802259 **B**
- 802260 **C**
- 802029 **D**



B Doctor Start 330

C Doctor Start 530

D Doctor Start 630

Pulse[~]Tronic



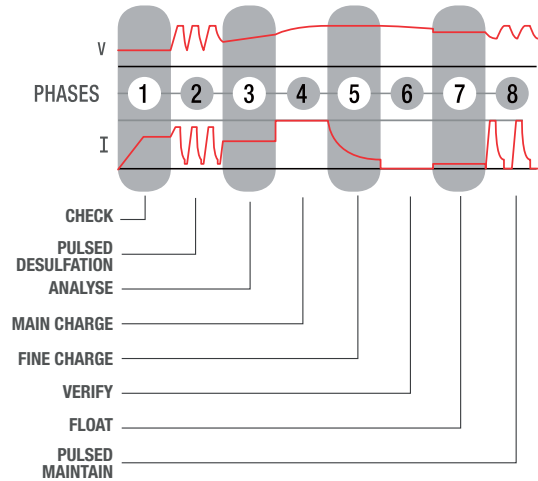
TECHNICAL DATA	CODE	V _{PH}	P _{C/S}	V	A _{EFF}	A _{EN}	A _{1V/C}	A _{START MAX}	Ah _{MIN/MAX}	mm (LxWxH)	kg
		V (50-60Hz)	kW	V	A	A	A	A	Ah 15h	mm (LxWxH)	kg
B Doctor Start 330	829341	230 1 ph	1/6,4	12/24	45	31	180	300	10/450	305x360x630	12,5
C Doctor Start 530	829343	230 1 ph	1,6/10	12/24	75	50	300	400	10/1000	365x460x755	19,5
D Doctor Start 630	829342	230 1 ph	2/10	12/24	90	70	360	570	10/1050	365x460x755	23

PULSE TRONIC

ELECTRONIC CONTROL OF CHARGE PROCESS

Pulse Tronic

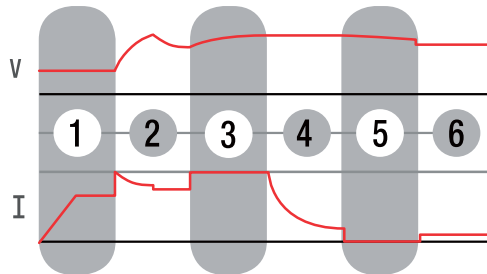
PULSE-TRONIC FUNCTIONING CURVES
CURVE DI FUNZIONAMENTO IN PULSE-TRONIC



- EN | 1. Battery test 2. Sulphated/very discharged battery pulse recovery 3. Integrity check 4. Charge up to 80% 5. Charge up to 100% 6. Charge endurance monitoring 7. Charge holding 8. Pulsed charge recovery
- IT | 1. Test di batteria 2. Recupero a impulsi batterie solfatate/molto scariche 3. Controllo integrità 4. Carica fino all'80% 5. Carica fino al 100% 6. Monitor tenuta carica 7. Mantenimento carica 8. Ripristino carica a impulsi
- FR | 1. Test de batterie 2. Récupération par impulsions batteries sulfatées/très déchargées 3. Contrôle intégrité 4. Chargée jusqu'à 80% 5. Chargée jusqu'à 100% 6. Surveillance maintien charge 7. Maintien de la charge 8. Rétablissement de la charge par impulsions
- ES | 1. Prueba de batería 2. Recuperación a impulsos de baterías sulfatadas/muy descargadas 3. Control de la integridad 4. Carga hasta el 80% 5. Carga hasta el 100% 6. Monitoreo retención carga 7. Mantenimiento carga 8. Restablecimiento carga a impulsos
- DE | 1. Batterietest 2. Instandsetzung mittels Impulsen sulfatierter/stark entladener Batterien 3. Prüfung auf einwandfreien Funktionszustand 4. Laden auf 80% 5. Laden auf 100% 6. Überwachung Ladungserhaltung 7. Erhaltungsladung 8. Impulsweises Nachladen
- RU | 1. Проверка аккумулятора 2. Импульсное восстановление аккумуляторов, подверженных сульфатации/глубоко разряженных аккумуляторов 3. Проверка целостности 4. Зарядка до 80% 5. Зарядка до 100% 6. Контроль удержания заряда 7. Поддержание заряда 8. Импульсное восстановление заряда

TRONIC FUNCTIONING CURVES
CURVE DI FUNZIONAMENTO IN TRONIC

Tronic



- 1 CHECK
- 2 DESULFATION
- 3 MAIN CHARGE
- 4 FINE CHARGE
- 5 VERIFY
- 6 FLOAT



OPTIONAL

FUSE KIT 10 PCS



802257 **E**

FUSE KIT 20 PCS



802258 **F**



E Autotronic 25 Boost

Tronic



F Computer 48/2 PROF

12V 24V Wet Gel MF AGM Pb-Ca EFB

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH}	A _{MIN}	A _{MAX}	P	P _{C/S}	V	A _{EFF}	A _{EN}	A _{START}	A _{1V/C}	Ah	N°	mm (LxWxH)	kg	
				V (50-60Hz)	A	A	W	kW	V	A	A	A	A	MIN/MAX			kg	
E	Autotronic 25 Boost	807540	x	boost	230	1 ph	-	300	-	12/24	18 (12V) 12 (24V)	12 (12V) 8 (24V)	-	-	30/225 (12V) 20/180 (24V)	4	225x290x205	7,2
F	Computer 48/2 Prof	807063	x	-	230	1 ph	-	1000	-	6/12/24 36/48	11/30/30 30/27	7/20/20 20/18	-	-	10-300/300 300/300	6	280x350x320	12,7

CHARGING



A Nevada 10



B Nevada 15

OPTIONAL

FUSE KIT 10 PCS



- 802265 **A**
- 802255 **B C**
- 802256 **D F**
- 802257 **E**

FUSE KIT 20 PCS



- 802259 **G**



C Alpine 15



D Alpine 18 Boost



E Alpine 20 Boost



F Alpine 30 Boost



G Alpine 50 Boost

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH}	P	V	A _{EFF}	A _{EN}	Ah _{MIN/MAX}	N°	mm (LxWxH)	kg	
				V (50-60Hz)	W	V	A	A	Ah 15h			kg	
A	Nevada 10	807022	x	-	230 1 ph	50	12	4	2,5	25/40	-	95x190x180	1,7
B	Nevada 15	807026	x	-	230 1 ph	110	12/24	9 (12V) 4,5 (24V)	6 (12V) 3 (24V)	60/115 (12V) 30/40 (24V)	-	95x190x180	2,6
C	Alpine 15	807544	x	-	230 1 ph	110	12/24	9 (12V) 4,5 (24V)	6 (12V) 3 (24V)	60/115 (12V) 30/40 (24V)	-	170x250x165	3,4
D	Alpine 18 Boost	807545	x	boost	230 1 ph	200	12/24	14 (12V) 8 (24V)	9 (12V) 5 (24V)	14/185 (12V) 6/90 (24V)	2	170x250x165	3,5
E	Alpine 20 Boost	807546	x	boost	230 1 ph	300	12/24	18 (12V) 12 (24V)	12 (12V) 8 (24V)	30/225 (12V) 20/180 (24V)	2	225x290x205	6,9
F	Alpine 30 Boost	807547	x	boost	230 1 ph	800	12/24	30	20	15/400	3	225x290x205	8,6
G	Alpine 50 Boost	807548	x	boost	230 1 ph	1000	12/24	45	31	20/500	4	265x345x230	9,9

CHARGING & STARTING



H Leader 150 Start



I Leader 220 Start



J Leader 400 Start

OPTIONAL

FUSE KIT 20 PCS



- 802258 **H I**
- 802259 **J K**
- 802260 **L M**
- 802029 **N**



K Dynamic 320 Start

L Dynamic 420 Start



M Dynamic 520 Start

N Dynamic 620 Start

2 IN 1: CHARGE & START!

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH}	P _{C/S}	V	A _{EFF}	A _{EN}	A _{START MAX}	A _{TV/C}	Ah MIN/MAX	N°	mm (LxWxH)	kg	
				V (50-60Hz)	kW	V	A	A	A	A	Ah 15h		mm (LxWxH)	kg	
H	Leader 150 Start	807538	x	x	230 1 ph	0,3/1,4	12	20	14	140	80	25/250	2	225x290x205	6,4
I	Leader 220 Start	807539	x	x	230 1 ph	0,8/3,6	12/24	30	20	180	120	30/400	2	225x290x205	9
J	Leader 400 Start	807551	x	x	230 1 ph	1/6,4	12/24	45	31	300	180	20/700	3	265x345x230	10,9
K	Dynamic 320 Start	829381	x	x	230 1 ph	1/6,4	12/24	45	31	300	180	20/700	3	305x360x630	13,4
L	Dynamic 420 Start	829382	x	x	230 1 ph	1,6/10	12/24	75	50	400	300	20/1000	4	305x360x630	16,4
M	Dynamic 520 Start	829383	x	x	230 1 ph	1,6/10	12/24	75	50	400	300	20/1000	4	365x460x755	20
N	Dynamic 620 Start	829384	x	x	230 1 ph	2/10	12/24	90	70	570	360	20/1550	4	365x460x755	24

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

CHARGING & STARTING



OPTIONAL

FUSE KIT 10 PCS



- 802131 **A**
- 802129 **B C**



A Energy 650 Start **B** Energy 1000 Start **C** Energy 1500 Start

2 IN 1: CHARGE & START!

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH} V (50-60Hz)	P _{C/S} kW	V	A _{EFF} A	A _{EN} A	A _{START MAX} A	A _{1V/C} A	Ah MIN/MAX Ah 15h	N°	WxHxL mm (LxWxH)	kg	
A	Energy 650 Start	829385	x	x	230/400 3 ph	2,5/20	12/24	100	80	1000	640	20/1200 (12V) 20/800 (24V)	5	365x460x755	38
B	Energy 1000 Start	829008	x	x	230/400 3 ph	2,5/20	12/24	100	80	1000	640	20/1200 (12V) 20/800 (24V)	5	380x560x885	45
C	Energy 1500 Start	829009	x	x	230/400 3 ph	7/44	12/24	150 (12V) 250 (24V)	130 (12V) 220 (24V)	1700 (12V) 2000 (24V)	1000 (12V) 1300 (24V)	70/2000 (12V) 70/4000 (24V)	6	380x560x885	69



D Drive Mini

STANDARD

PLUG FOR CIGAR-LIGHTER



JUMP STARTER CABLE



cod. 124916



START



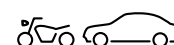
POWER BANK



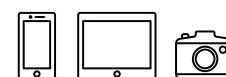
LED LIGHT



12V



USB out (2.1A)



1 led light (3 modes)

torch,
blinking,
SOS



TECHNICAL DATA

	CODE	C	START	A _{START MAX}	A _{OUT}	USB	A _{OUT}	WxHxL mm (LxWxH)	kg
		mAh	V	A	A		A		kg
D	Drive Mini	829563	12	1000	300	1	2,1	140x79x17	0,4

LITHIUM MULTI-FUNCTION JUMP STARTERS



TELWIN



START



POWER BANK



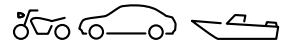
LED LIGHT



SUPPLY



12V



2 USB - 12V - 19V



2 led lights (3 modes)

torch, blinking, SOS



12V

E Drive 9000



12V

F Drive 13000



TELWIN

STANDARD



jump starter cable (cod. 124916)

plug for cigar-lighter



power supply (cod. 169888)

mobile devices multi-adaptor

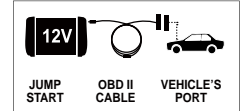
multi-plug adaptors

OPTIONAL



OBD II MEMORY SAVER CABLE

cod. 802935



ACCESSORIES KIT

complete with:
bag • mobile devices • multi-adaptor
• multi-plug adaptors • plug for cigar-lighter

cod. 802950

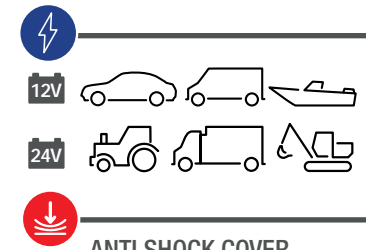
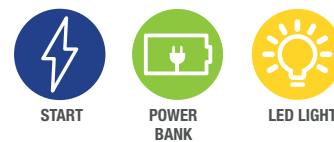


TECHNICAL DATA



	CODE	V _{PH}	C	START	A _{START MAX}	A _{OUT}	USB	A _{OUT}	V _{OUT}	A _{OUT}	V _{OUT}	A _{OUT}	W _H	kg	
		V (50-60Hz)	mAh	V	A	A		A	V	A	V	A	mm (LxWxH)	kg	
E	Drive 9000	829565	100-240 1 ph	9000	12	1200	350	2	1/2,1	12	10	19	3,5	175x75x30	0,9
F	Drive 13000	829566	100-240 1 ph	12000	12	1500	450	2	1/2,1	12	10	19	3,5	175x75x30	0,9

STARTING



12V **A** Drive Pro 12

12V 24V **B** Drive Pro 12/24

TECHNICAL DATA

	CODE	V _{PH}	C	START	A _{START MAX}	A _{OUT}	USB	A _{OUT}	W ^H	kg
		V (50-60Hz)	mAh	V	A	A		A	mm (LxWxH)	
A	Drive Pro 12V	829572	100-240 1 ph	12	2000	600	2	1/2,1	210x120x70	1,1
B	Drive Pro 12/24V	829573	100-240 1 ph	12/24	2200	650	2	1/2,1	210x120x70	1,5

STANDARD



THE S.O.SOLVER



XT



EXTREME POWER



3 FUNCTIONS:
START
SUPPLY
TESTER

12V/24V



12V **C** Startzilla 4012 XT

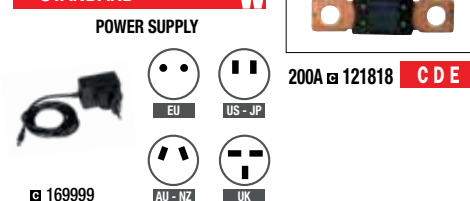
12V **D** Startzilla 9012 XT

12V 24V **E** Startzilla 9024 XT

TECHNICAL DATA

	CODE	V _{PH}	C	START	A _{START MAX}	IP	W ^H	kg
		V (50-60Hz)	mAh	V	A		mm (LxWxH)	
C	Startzilla 4012 XT	829527	100-240 1 ph	12	4000	IP43	155x234x318	3,4
D	Startzilla 9012 XT	829526	100-240 1 ph	12	9000	IP43	155x234x318	3,9
E	Startzilla 9024 XT	829525	100-240 1 ph	12/24	9000	IP43	155x234x318	4,3

STANDARD



STARTING



SUPER CAPACITORS TECHNOLOGY

F Flash Start 700

TECHNICAL DATA

	CODE		$A_{START \& MAX}$	A_{OUT}	C			
		V	A	A	F	mm (LxWxH)	kg	
F	Flash Start 700	829567	12	700	400	100	205x125x55	1,2



G Pro Start 2824



H Start Plus 4824

I Start Plus 6824

12V 24V

STANDARD

POWER SUPPLY



169692 **G**

QUICK CHARGE

T-CHARGE 12
pag. 60

HI

TECHNICAL DATA

	CODE	V_{PH}		A_h	$A_{START \& MAX}$	A_{OUT}			
		V (50-60Hz)	V	Ah	A	A	mm (LxWxH)	kg	
G	Pro Start 2824	829517	230 1 ph	12/24	44 (12V) 22 (24V)	2500	800	205x335x360	15,2
H	Start Plus 4824	829570	230 1 ph	12/24	40 (12V) 20 (24V)	4400 (12V) 2200 (24V)	1600 (12V) 800 (24V)	305x360x630	30
I	Start Plus 6824	829571	230 1 ph	12/24	80 (12V) 40 (24V)	6000 (12V) 3000 (24V)	2000 (12V) 1000 (24V)	305x360x630	41

POWER CONVERTERS

INPUT:
12V DC

OUTPUT:
230V AC



USB
2 PORTS



K Converter 500



L Converter 1000



TECHNICAL DATA

	CODE	P_{IN}	V_{IN}	V_{OUT}	F_{OUT}	$P_{MAX \& OUT}$			
		W	V	V	Hz	W	mm (LxWxH)	kg	
J	Converter 310 USB	829444	300	12	230 1 ph	50	600	170x95x54	0,8
K	Converter 500	829446	500	12	230 1 ph	50	1000	232x130x71	1,9
L	Converter 1000	829447	1000	12	230 1 ph	50	2000	337x130x71	2,8

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

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BATTERY LINK & ARC PROTECTOR



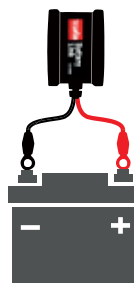
12V 24V



A Battery Link



App name: **Battery Link**



BATTERY STATUS

- Low
- Middle
- Full

TECHNICAL DATA

	CODE	V	V	mm (LxWxH)	kg
Battery Link	804098	12/24	7-32	69x45x15	0,05

B Arc Protector

cod. 802840

Provides surge protection (voltage peaks - welding arcs) for the on-board electronics during maintenance interventions when connected to the vehicle battery.



12V

BATTERY TESTERS



ALTERNATOR TEST
START SYSTEM TEST
BATTERY START CAPABILITY

1 - T125 Battery Tester



MADE IN ITALY

2 - T200 Battery Tester



ALTERNATOR TEST
START SYSTEM TEST
BATTERY START CAPABILITY

3 - T500 Battery Tester



ALTERNATOR TEST
START SYSTEM TEST

4 - BTS350 Led Battery & Alternator Tester



BATTERY START CAPABILITY

5 - DT400 Digital Battery Tester



ALTERNATOR TEST
START SYSTEM TEST
BATTERY START CAPABILITY

6 - DTS700 System & Battery Digital Tester



BATTERY START CAPABILITY

INCLUDED

KIT

2 PCS

cod. 950046

7 - DTP800 Digital Battery Tester with Printer

	CODE	START	Ah	TEST				DIGITAL	mm (LxWxH)	kg		
				BATTERY CHARGE	ALTERNATOR CIRCUIT	START SYSTEM	BATTERY START CAPABILITY (CCA)					
1	T125	Battery Tester	802780	6/12	20 - 100	●	(12V)	●	(12V)	●	85x86x240	1
2	T200	Battery Tester	802517	6/12	20 - 100	●					115x55x235	0,5
3	T500	Battery Tester	802781	12	10 - 160	●	●	●	●	●	270x130x265	4,2
4	BTS350	Led Battery & Alternator Tester	802783	12	20 - 150	●	●	●	●	●	50x18x125	0,1
5	DT400	Digital Battery Tester	802605	12	20 - 200	●	●	●	●	●	78x22x145	0,2
6	DTS700	System & Battery Digital Tester	802665	12	20 - 200	●	●	●	●	●	105x52x220	0,6
7	DTP800	Digital Battery Tester with Printer	802606	6/12	7 - 250	●		●		●	110x50x215	1,3

PAPR WELDING HELMETS



PAPR (POWERED AIR PURIFYING RESPIRATORS)

NEW



HEAT RESISTANT WASHABLE HEAD COVER FOR COMPLETE PROTECTION

Copertura resistente al calore lavabile per una protezione completa

DUAL AIR SPEED TO ADJUST AIR FLOW ACCORDING TO THE WORK CONDITIONS

Doppia velocità del flusso d'aria regolabile in base alle condizioni di lavoro

CHARGING STATUS VISUALISATION

Visualizzazione dello stato di carica

AUDIBLE ALARMS FOR LOW BATTERY AND OBSTRUCTED FILTER FOR THE WORKER'S SAFETY

Allarme sonoro per segnalare l'esaurimento della carica o l'ostruzione del filtro a garanzia della sicurezza dell'operatore

AIR PRO GRANDVIEW Cod. 804236

Included:

- Autodarkening welding helmet
- Head/neck cover
- Internal/external glass protection
- Air hose with protective sleeve
- Blower (Respirator)
- Pre-filter and filters
- Li-ion battery
- Battery charger • Belt • Carry bag



TECHNICAL DATA

HELMET

- automatic
- variable: 4/4÷8/9÷13 DIN
- double range
- grinding mode
- TIG from >5A
- class: 1/1/1/1
- 4 sensors
- 100x65mm view area

BLOWER

- **STANDARD AIR FILTER:** TH3 PAPR, EN1294:1998+A1:2003+A2:2008
- **AIR FLOW**
Normal Speed: 180 LPM
High Speed: 220 LPM
- **BATTERY TYPE**
Rechargeable Lithium ion
- **BATTERY CHARGING TIME**
About 4-5 Hours
- **RUN TIME**
Normal Speed: Approx. 10 hours
High Speed: Approx. 9 hours
- **ALARM**
audible: 85dBA@10CM

PAPR FILTER
cod. 712773



HEAT RESISTANT WASHABLE HEAD COVER FOR COMPLETE PROTECTION

Copertura resistente al calore lavabile per una protezione completa

DUAL AIR SPEED TO ADJUST AIR FLOW ACCORDING TO THE WORK CONDITIONS

Doppia velocità del flusso d'aria regolabile in base alle condizioni di lavoro

CHARGING STATUS VISUALISATION

Visualizzazione dello stato di carica

AUDIBLE ALARMS FOR LOW BATTERY AND OBSTRUCTED FILTER FOR THE WORKER'S SAFETY

Allarme sonoro per segnalare l'esaurimento della carica o l'ostruzione del filtro a garanzia della sicurezza dell'operatore

AIR LITE Cod. 804210

Included:

- Autodarkening welding helmet
- Head/neck cover
- Internal/external glass protection
- Air hose with protective sleeve
- Flow meter • Blower (Respirator)
- Pre-filter and filters + 1 extra spare filter
- Li-ion battery
- Battery charger • Belt • Carry bag



TECHNICAL DATA

HELMET

- automatic
- variable: 4/5÷8/9÷13 DIN
- double range
- grinding mode
- TIG from >5A
- class: 1/1/1/2
- 4 sensors

BLOWER

- **STANDARD AIR FILTER:** TH2 PAPR, EN1294:1998+A1:2003+A2:2008
- **AIR FLOW**
Normal Speed: 150 LPM
High Speed: 180 LPM
- **BATTERY TYPE**
Rechargeable Lithium ion
- **BATTERY CHARGING TIME**
About 3 Hours
- **RUN TIME**
Normal Speed: Approx. 6-8 hours
High Speed: Approx. 4-6 hours
- **ALARM**
audible: 85dBA@10CM

PAPR FILTER
cod. 712450



INDUSTRIAL WELDING HELMETS



INDUSTRIAL



DIN 3/4÷8/8÷12

SENSITIVITY AND DELAY EXTERNAL CONTROL

- Regolazione esterna sensibilità e ritardo
- Réglage externe de sensibilité et de retard
- Regulación externa de sensibilidad y de retraso
- Externe Einstellung der Empfindlichkeit und Verzögerung
- Внешнее регулирование чувствительности и задержки



> 2A TIG WELDING

- Saldatura tig • Soudage tig • Soldadura tig
- Wig-Schweißen • Сварка tig



0,1ms

QUICK AUTODARKENING FILTER

- Vetro autoscurante veloce
- Vitre auto-obscurcissante rapide
- Vidrio de oscurecimiento automático rápido
- Glas mit beschleunigter Selbstverdunkelung
- Самозатемняющееся стекло быстрого действия

4 SENSORS

- Sensori • Détecteurs • Sensores
- Sensoren • Датчика

T-VIEW 180 Cod. 804097

- automatic
- variable: 3/4÷8/8÷12 DIN
- double range
- grinding mode
- TIG from >2A
- class: 1/1/1/1
- 4 sensors
- 180° view area
- true color

180° 180° VIEWING AREA

- Area di visione 180° • Aire de vision 180°
- Área de visión 180° • 180°-Sichtfeld
- Область обзора 180°



TRUE COLOR TECHNOLOGY. IT ALLOWS THE REALISTIC COLOR PERCEPTION

- Tecnologia true color. Permette una percezione realistica dei colori
- Technologie true color. Elle garantit des couleurs réelles
- Tecnologia true color. Permite la percepción realista de los colores
- True-color-Technologie. Es ermöglicht die realistische Farbwahrnehmung
- Технология true color. Она дает возможность реалистичного восприятия цвета.



GRINDING MODE

- Modalità smerigliatura • Modalité meulage
- Modalidad esmerilado • Schleifmodus
- Режим шлифовки

EXTENDED THROAT GUARD FOR PROTECTION

- Protezione estesa salva-gola • Protection prolongée sauve gorge
- Protector de garganta extendido para protección
- Erweiterter Kehlschutz • Увеличенная защита горла



TECHNICAL DATA	PAPR (Powered Air Purifying Respirators)		INDUSTRIAL			PROFESSIONAL		SEMI-PRO			DIY			
	AIR PRO GRANDVIEW 804236	AIR LITE 804210	T-VIEW 180 804097	VANTAGE GREY XXL 802937	VANTAGE RED XL 802936	JAGUAR CYBORG 804081	JAGUAR 804082	STREAM FLAME 804235	STREAM ROBOT 804234	TAURUS METAL 804094	TRIBE 9-13 804233	LION 804151	TIGER XL 802812	TIGER 802818
MMA MIG-MAG/TIG	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	
TIG	>5A	>5A	>2A	>2A	>2A	>5A		>5A	>2A		>5A		✓	
AUTOMATIC	✓	✓	✓	✓	✓	✓		✓	✓		✓		---	
RESPIRATOR	✓	✓	---	---	---	---		---	---		---		---	
TRUE COLOR TECHNOLOGY	---	---	✓	✓	✓	---		---	---		---		---	
GRINDING MODE	✓	✓	✓	✓	✓	✓		✓	---		✓	---	---	
VIEWING AREA (mm)	100x65	98x55	115x85	100x93	100x67	92x42		93x43	98x35		92x42	90x35	102x80	110x50
VARIABLE (*) DIN	4/4÷8/9÷13 DOUBLE RANGE	4/5÷8/9÷13 DOUBLE RANGE	3/4÷8/8÷12 DOUBLE RANGE	4/5÷9/9÷13 DOUBLE RANGE		4/5÷9/9÷13 DOUBLE RANGE		4/9÷13		11	4/9÷13		11	11
SENSITIVITY	- ↷ +	- ↷ +	- ↷ +	- ↷ +	- ↷ +	- ↷ +		- ↷ +	FIX		FIX	FIX		---
DELAY (s)	- ↷ + 0,2 ÷ 0,8	- ↷ + 0,1 ÷ 0,8	- ↷ + 0,1 ÷ 1	- ↷ + 0,1 ÷ 1	- ↷ + 0,1 ÷ 1	- ↷ + 0,1 ÷ 1		- ↷ + 0,2 ÷ 0,9	FIX		FIX	FIX		---
DIN	4	4	3	4	4	4		4	3		4	3		---
LENS SPEED (ms)	0,2	<0,1	0,1	0,1	0,1	0,4		0,3	0,1		0,4	0,3		---
SENSORS	4	4	4	4	4	2		2	2		2			-
OPTICAL CLASS	1/1/1/1	1/1/1/2	1/1/1/1	1/1/1/2	1/1/1/2	1/1/1/2		1/1/1/2	1/1/1/1		1/2/1/2	1/1/1/2		1

INDUSTRIAL WELDING HELMETS



INDUSTRIAL

DIN 5÷9/9÷13 EXTERNAL CONTROL

- Regolazione esterna
- Réglage externe
- Regulación exterior
- Externe Regulierung
- Внешнее регулирование

0,1ms QUICK AUTODARKENING FILTER

- Vetro autoscurante veloce
- Vitre auto-obscurissant rapide
- Vidrio de oscurecimiento automático rápido
- Glas mit beschleunigter Selbstverdunkelung
- Самозатемняющееся стекло быстрого действия

> 2A TIG WELDING

- Saldatura tig • Soudage tig
- Soldadura tig • Wig-Schweißen
- Сварка tig



TRUE COLOR TECHNOLOGY. IT ALLOWS THE REALISTIC COLOR PERCEPTION

- Tecnologia true color. Permette una percezione realistica dei colori
- Technologie true color. Elle garantie des couleurs réelles
- Tecnología true color. Permite la percepción realista de los colores
- True-color-Technologie. Es ermöglicht die realistische Farbwahrnehmung
- Технология true color. Она дает возможность реалистичного восприятия цвета.

GRINDING MODE

- Modalità smerigliatura
- Modalité ponçage
- Modalidad esmerilado
- Schleifmodus
- Режим шлифовки

4 SENSORS

- Sensori • Détecteurs • Sensores
- Sensoren • Датчика



VANTAGE GREY XXL Cod. 802937

DOUBLE RANGE

5÷9 9÷13



SHADE RANGE

DIN 4/5÷9



PLASMA CUTTING
OXY ACETYLENE CUTTING

DIN 4/9÷13



MIG/MAG - TIG - MMA

SHADE CONTROL WITH TRUE COLOR TECHNOLOGY



SHADE 5



SHADE 13

- Darkening adjustment
- Regolazione del grado di oscuramento
- Obscurissement réglable
- Ajuste oscurecimiento
- Verdunkelung Einstellung
- Потемнение регулировка



2

VANTAGE GREY XXL Cod. 802937

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range
- grinding mode
- TIG from >2A
- class: 1/1/1/2
- 4 sensors
- XXL view area
- true color



2

VANTAGE RED XL Cod. 802936

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range
- grinding mode
- TIG from >2A
- class: 1/1/1/2
- 4 sensors
- XL view area
- true color

PROFESSIONAL WELDING HELMETS



PROFESSIONAL

☐ → ■ 0,4ms

QUICK AUTODARKENING FILTER

- Vetro autoscurante veloce
- Vitre auto-obscurecissante rapide
- Vidrio de oscurecimiento automático rápido
- Filter mit beschleunigter Selbstverdunkelung
- Самозатемняющееся стекло быстрого действия

2 SENSORS

- Sensori • Détecteurs • Sensores
- Sensoren • Датчика

⚡ > 5A TIG WELDING

- Saldatura tig • Soudage tig
- Soldadura tig • Wig-Schweissen
- Сварка tig



GRINDING MODE

- Modalità smerigliatura
- Modalité ponçage
- Modalidad esmerilado
- Schleifmodus
- Режим шлифовки

DIN 5÷9/9÷13 EXTERNAL CONTROL

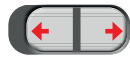
- Regolazione esterna
- Réglage externe
- Regulación exterior
- Externe Regulierung
- Внешнее регулирование



JAGUAR CYBORG Cod. 804081

DOUBLE RANGE

5÷9 9÷13



SHADE RANGE

DIN 4/5÷9



PLASMA CUTTING
OXY ACETYLENE CUTTING

DIN 4/9÷13



MIG/MAG - TIG - MMA

SHADE CONTROL



SHADE 5



SHADE 13

- Darkening adjustment
- Regolazione del grado di oscuramento
- Obscurissement réglable
- Ajuste oscurecimiento
- Verdunkelung Einstellung
- Потемнение регулировка



2

JAGUAR CYBORG Cod. 804081

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range
- grinding mode
- TIG from >5A
- class: 1/1/1/2



2

JAGUAR Cod. 804082

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range
- grinding mode
- TIG from >5A
- class: 1/1/1/2

SEMI-PRO WELDING HELMETS



SEMI-PRO

☐ → ■ 0,3ms

QUICK AUTODARKENING FILTER

- Vetro autoscurante veloce
- Vitre auto-obscurecissante rapide
- Vidrio de oscurecimiento automático rápido
- Filter mit beschleunigter Selbstverdunkelung
- Самозатемняющееся стекло быстрого действия

2 SENSORS

- Sensori • Détecteurs • Sensores
- Sensoren • Датчики

🔥 > 5 TIG WELDING

- Saldatura tig • Soudage tig
- Soldadura tig • Wig-Schweißen
- Сварка tig

🔧 GRINDING MODE

- Modalità smerigliatura
- Modalité ponçage
- Modalidad esmerilado
- Schleifmodus
- Режим шлифовки

🔧 DIN 9÷13 EXTERNAL CONTROL

- Regolazione esterna
- Réglage externe
- Regulación exterior
- Externe Regulierung
- Внешнее регулирование



STREAM FLAME Cod. 804235

SHADE CONTROL



SHADE 9



SHADE 13

- Darkening adjustment
- Regolazione del grado di oscuramento
- Obscurcissement réglable
- Ajuste oscurecimiento
- Verdunkelung Einstellung
- Потемнение регулировка

AUTODARKENING



SHADE 4

0,3ms



SHADE 9÷13

- The filter automatically darkens
- Il vetro si oscura automaticamente
- Le filtre s'obscurcit automatiquement
- El filtro se oscurece automáticamente
- Die Filter verdunkelt sich automatisch
- Фильтр автоматически затемняется



NEW

STREAM FLAME Cod. 804235

- automatic
- variable: 4/9÷13 DIN
- grinding mode
- TIG from >5A
- class: 1/1/1/2



NEW

STREAM ROBOT Cod. 804234

- automatic
- variable: 4/9÷13 DIN
- grinding mode
- TIG from >5A
- class: 1/1/1/2



OPTICAL CLASS: 1/1/1/1

TAURUS METAL Cod. 804094

- automatic
- fix 11 DIN
- TIG from >2A
- class: 1/1/1/1

DIY WELDING HELMETS & ACCESSORIES



DIY



NEW

4 PCS

TRIBE 9-13 Cod. 804233

- automatic
- variable: 4/9÷13 DIN
- grinding mode
- TIG from >5A
- class: 1/2/1/2



4 PCS

LION Cod. 804151

- automatic
- fix 11 DIN
- TIG from >5A
- class: 1/1/1/2



2 PCS

TIGER XL Cod. 802812

- 11 DIN
- XL view area

WELDING HELMET BACKPACK

cod. 804214 x T-View 180, Vantage, Jaguar, Stream, Taurus Metal, Tribe, Lion, Tiger



2 PCS

TIGER Cod. 802818

- 11 DIN



6 PCS

ZEN Cod. 804021

- 11 DIN
- hand held



GLASS PROTECTIONS & SWEATBAND

GLASS PROTECTION - PROTEZIONE VETRO - PROTECTION VERRE - PROTECCIÓN VIDRIO - SCHUTZGLAS - ЗАЩИТА СТЕКЛА (2 PCS/PZ/STK/ШТ)

EXTERNAL	122,5x280 mm	x AirPro Grandview	cod. 804238
	98x123 mm	x Air Lite	cod. 804216
	390x150 mm	x T-View 180	cod. 804103
	134x114 mm	x Vantage, Jaguar	cod. 802939
	95x115,5 mm	x Stream Flame, Stream Robot	cod. 804312
	90x110 mm	x Taurus Metal, Tiger	cod. 802655
	102x115 mm	x Tribe 9-13	cod. 804311
	93x112 mm	x Lion	cod. 804153

6 PCS

B

INTERNAL	70x106 mm	x AirPro Grandview	cod. 804237
	58x107 mm	x Air Lite	cod. 804215
	89x113 mm	x T-View 180	cod. 804104
	96x104 mm	x Vantage Grey XXL	cod. 802951
	69,5x103,5 mm	x Vantage Red XL	cod. 802949
	50x95 mm	x Jaguar Cyborg, Jaguar	cod. 804101
	47x100 mm	x Stream Flame, Stream Robot	cod. 804313
	40x102 mm	x Taurus Metal	cod. 804102
	53,2x103,7 mm	x Tribe 9-13	cod. 804310
	47x102 mm	x Lion	cod. 802834

6 PCS

B

ADIATIC LENS - VETRO INATTINICO - VERRE INACTINIQUE - CRISTALE INACTINICO - BLENDSCHUTZGLAS - СВЕТОФИЛЬТР

	90x110 mm	x Tiger XL	cod. 802581
	51x107mm	x ZEN, Tiger	cod. 802575

6 PCS

B

WELDING HELMET SWEATBAND - FASCETTA ANTISUDORE PER MASCHERE



cod. 804099

6 PCS

B

GLOVES

PROFESSIONAL WELDING GLOVES - GUANTI PROFESSIONALI PER SALDATURA - GANTS DE SOUDAGE PROFESSIONNEL - GUANTES DE SOLDADURA PROFESIONAL - PROFESSIONELLE SCHWEISSHANDSCHUHE - ПРОФЕССИОНАЛЬНЫЕ СВАРОЧНЫЕ ПЕРЧАТКИ



MONTANA
cod. 804105 **6 PCS** **B**



MONTANA PLUS
cod. 804106 **6 PCS** **B**



DAKOTA
cod. 802632 **6 PCS** **B**
SUGGESTED FOR TIG



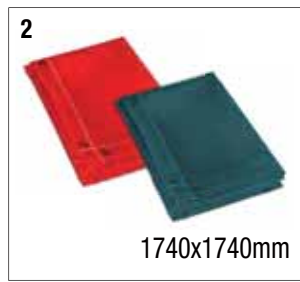
OREGON
cod. 804095 **6 PCS** **B**
SUGGESTED FOR TIG

SCREENS

SCHERMI - ÉCRANS - PANTALLAS - SCHIRME - ЭКРАНЫ



1 Protective screen with support kit
- Kit schermo protettivo con supporto
- Kit support écran de protection avec support
- Kit pantalla de protección con soporte
- Schutzschirm-Kit mit Halterung
- Комплект защитного экрана с держателем
red - rosso - rouge - rojo - rot - Красный
cod. 803508
green - verde - vert - verde - grün - зеленый
cod. 803509



2 Protective screen - schermo protettivo
- écran de protection - pantalla de protección
- Schutzschirm - защитный экран
red - rosso - rouge - rojo - rot - Красный
cod. 802676
green - verde - vert - verde - grün - зеленый
cod. 802677
1740x1740mm

BLANKETS

COPERTE - COUVERTURES - MANTAS - SCHWEISSDECKEN - ПОКРЫВАЛА

Heat resistant blanket - Coperta anti-calore - Couverture anti-chaleur - Protector anti-calor - Hitzeschutzdecke - покрывало от перегрева

1 white - bianca - blanche
blanca - weiß - белое
1950x2000mm

XL
cod. 804136 **UP TO 550°C**

2 white - bianca - blanche
blanca - weiß - белое
1500x1900mm

cod. 802679 **UP TO 1100°C**

3 black - nero - noir - negro
- schwarz - Черный
1800x2000mm

**ANTISTATIC
SOFT**
cod. 804135 **UP TO 1300°C**

APRON

GREMBIULE - TABLIER - DELANTAL
- SCHÜRZE - ФАРТУК

6 PCS **B**
cod. 804148

BATTERY TESTERS

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BOOSTER CABLES

CAVI AVVIAMENTO - CABLES DE DEMARRAGE - CABLES DE ARRANQUE - STARTEN KABEL - ПУСКОВЫЕ КАБЕЛИ



POWER LINE - DIY RANGE (CCA)

3 m	Ø 16 mm	250A	cod. 802746
3 m	Ø 25 mm	350A	cod. 802747
3 m	Ø 16 mm	250A	cod. 802698

PRO LINE - PROFESSIONAL RANGE

3 m	Ø 16 mm	350A	cod. 802515
3 m	Ø 25 mm	550A	cod. 802516
3 m	Ø 35 mm	800A	cod. 802668

ACCESSORIES & BLISTERS



PRODUCTS & ACCESSORIES DISPLAY



METAL FLOOR DISPLAYER



cod. 803513

BANNER



1. 2200x1000 mm cod. 989445



2. 1100x500 mm cod. 989446

LOGO FOR DISPLAYER with brackets



cod. 803506

T-ARC DISPLAYER - METAL



cod. 803516

FLAG



500x2400 mm
cod. 989331

STICKERS FOR DISPLAYER



4 STICKERS
525X987 mm
cod. 989900

MIG/MAG CONSUMABLES

CONSUMABILI MIG/MAG - CONSOMMABLES MIG/MAG - CONSUMIBLES MIG/MAG - MIG/MAG VERBRAUCHSMATERIAL - MIG/MAG РАСХОДНЫЕ



		TW160	TW180	MT15	M6
		BIMAX 120, 140, BIMAX 162, MAXIMA 160	TELMIG 180/2, MAXIMA 190	TELMIG 195/2, 200/2, 203/2, 251/2, MAXIMA 200, 230, MASTERMIG 220/2, TECHNOMIG 180 EURO, 210, 215, 225, 223 TREQ, 243 WAVE, ELECTROMIG 220	SPOOL GUN M6
A	Contact Tips - Tubetti Di Contatto - Tubes Contact - Tubitos De Contacto - Kontakttröhrchen - Контактные Трубки				
	804084 5 PCS Fe, SS Ø 0,6mm	W	W	W	W
	804085 5 PCS Fe, SS Ø 0,8mm	W	W	W	W
	804087 5 PCS Al, Flux Ø 0,8mm	W	W	W	W
	804086 5 PCS Al Ø 1mm Flux Ø 0,9mm	W	W	W	W
	804088 5 PCS Al, Flux Ø 1,2mm	W	W	W	
B	Conical Nozzles - Ugelli conici - Becs coniques - Inyectores conicos - konische Gasdüsen - Конические соплы				
	804090 2 PCS	W	W	W	W
C	Cylindrical Nozzles - Ugelli Cilindrici - Becs Cylindriques - Inyectores Cilindricos - Zylindrische Düsen - Цилиндрические Соплы				
	804091 2 PCS	W	W	W	W
D	Springs - Molle - Resorts - Muelles - Feder - Пружины				
	804092 5 PCS	W	W	W	W

MIG/MAG CONSUMABLES BOXES

MIG READY BOXES

- MIG READY BOX C

- TW160
- TW180
- MT15 (Maxima - Telmig - Technomig 180-210)

cod. 804149



- MIG READY BOX F

- MT15 (Technomig 215, 225 Electromig 220)

cod. 804168



CONSUMABLES BOXES FOR MIG TORCHES

- MT15

cod. 804137



- MT25

cod. 804152



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TIG CONSUMABLES BOXES

CONSUMABLES BOX FOR TIG TORCHES ST17-ST26

cod. 804138



TIG TORCH ST17

Technology Tig 182

TIG TORCH ST26

Technology Tig 230, 222, Superior Tig

CRYSTAL BOXES FOR TIG TORCHES ST17-ST18-ST26



CRYSTAL CHAMPAGNE BOX

Ø 1,6 mm cod. 804202

Ø 2,4 mm cod. 804203



CRYSTAL CLEAR CUP - BOX

Ø 1,6 mm cod. 804204

Ø 2,4 mm cod. 804205



CRYSTAL CLEAR CUP - LONG - BOX

Ø 1,6 mm cod. 804206

Ø 2,4 mm cod. 804207

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PLASMA CONSUMABLES BOXES

- PH TORCH

cod. 804117



- PERFORMANCE PH TORCH

cod. 804189



- PK TORCH

cod. 804188



- PV TORCH

cod. 804108



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ELECTRODES



**BASIC - BASICI - FONTE - BÁSICOS
- BASISCHE - ЩЕЛОЧНЫЕ**

RUTILE - RUTILI - RUTILES - RUTILOS - RUTIL - РУТИЛОВЫЕ

**STEEL - ACCIAIO - ACIER - ACERO
- STAHL - СТАЛЬ**

**STAINLESS STEEL - ACCIAIO INOSSIDABILE - ACIER
INOXYDABLE - ACERO INOXIDABLE - ROSTFREIER STAHL -
НЕРЖАВЕЮЩАЯ СТАЛЬ**

STEEL - ACCIAIO - ACIER - ACERO - STAHL - СТАЛЬ

AWS 5.1 E7018

AWS 5.4 E316 L-16/17

AWS 5.1 E6013

Ø 2,5mm 10pcs **cod. 802621**
Ø 3,2mm 8pcs **cod. 802622**

Ø 2,5mm 10pcs **cod. 802623**
Ø 3,2mm 8pcs **cod. 802624**

Ø 1,6mm 15pcs **cod. 802616**
Ø 2mm 15pcs **cod. 802617**
Ø 2,5mm 15pcs **cod. 802618**
Ø 3,2mm 10pcs **cod. 802619**
Ø 4mm 8pcs **cod. 802620**

STEEL - ACCIAIO - ACIER - ACERO - STAHL - СТАЛЬ

CARBON ELECTRODES - GOUGING

**AWS 5.1
E6013**



RUTILE Ø 2 mm 2,5 kg (227 pcs) **cod. 802737**
RUTILE Ø 2,5 mm 2,5 kg (143 pcs) **cod. 802739**
RUTILE Ø 3,2 mm 4 kg (125 pcs) **cod. 802749**

**AWS 5.1
E7018**



BASIC Ø 2,5 mm 2,5 kg (119 pcs) **cod. 802748**
BASIC Ø 3,2 mm 4 kg (110 pcs) **cod. 802947**



Ø 8 mm 300mm (5 pcs) **cod. 802803**
Ø 10 mm 300mm (5 pcs) **cod. 802305**

Q.TY FOR SALES BY MULTIPLE OF:

Q.TA' DI VENDITA PER MULTIPLI DI:

2 pcs 4 pcs 5 pcs 6 pcs 8 pcs 10 pcs 12 pcs



MAGNETIC HOLDERS

Multi-purpose kit - Kit multiuso - Kit multiusages - Kit multiuso - Mehrzweckkit
- Комплект - многоразовых



15° 45° 60° 90°

9 kg max
DRAGGING

6 kg max
LIFTING

45° 90°

13 kg max
DRAGGING

9 kg max
LIFTING

15°, 45°, 60°, 90°
cod. 804131

6 pcs

Magnetic holder - Posizionatore magnetico - Support magnétique - Sostenedor
magnético - Magnetischer Halter - Магнитное устройство



45°, 90°, 135°
cod. 802583

23 kg max
DRAGGING

13 kg max
LIFTING

6 pcs



45°, 90°, 135°
cod. 804130

34 kg max
DRAGGING

19,5 kg max
LIFTING

6 pcs

OTHER ACCESSORIES

Electrode holder - Pinza portaelettrodi - Pince porte-électrodes
- Pinza portaelectrodos - Elektrodenzange - Держатель электродов

Dallas 300 A
Ø max 25 mm²

B BLISTER
cod. 802609

CARDBOARD
cod. 802769

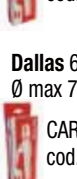


6 PCS

Dallas 400 A
Ø max 50 mm²

B BLISTER
cod. 802539

CARDBOARD
cod. 802770



6 PCS

Dallas 600 A
Ø max 70 mm²

CARDBOARD
cod. 802785



Earth clamp - Morsetto per massa - Borne pour masse - Borne para tierra - Masseklemme
- Зажим заземления



Colorado 150 A
Ø max 16 mm²
cod. 802532

6 PCS



Toledo 300 A
Ø max 25 mm²
cod. 802533

6 PCS



Toledo 400 A
Ø max 70 mm²
cod. 802534

6 PCS



Toledo 600 A
Ø max 95 mm²
cod. 802535

6 PCS

"C" earth clamp
- Morsetto per massa "C"
- Borne pour masse "C"
- Borne para tierra "C"
- Masseklemme "C"
- Зажим заземления "C"



Cordoba 500 A
Ø max 70 mm²
cod. 802536

6 PCS

Chipping hammer - Martellina - Marteau à piquer
- Martellina - Kleiner Hammer - Молоток для удаления окалины
- wooden handel
- manico in legno
- manche en bois
- mango de madera
- Holzgriff
- деревянной рукояткой



cod. 802540

6 PCS



cod. 802543

6 PCS

Slag remover
- Escoriatore
- Excoriateur
- Excoriador
- Schlackenhammer
- Щетка для удаления шлака



cod. 802541

6 PCS

Metal brush
- Spazzola metallica
- Brosse métallique
- Cepillo metálico
- Drahtbürste
- Металлическая щетка



cod. 802542

6 PCS

Multipurpose weld plier
- Pinza di saldatura multiuso
- Pince de soudage multi-fonctionnes
- Pinca de soldadura multiuso
- Mehrzweck-schweißen Zangen
- Универсальный сварочный зажим



cod. 804109

6 PCS

Reusable cable lugs (2 pcs)
- Capicorda ad occhio (2 pz)
- Cosses à oeillet (2 pcs)
- Extremos cuerda a ojete (2pz)
- Kabelösen (2 stk)
- Серьговой кабельный наконечник (2 шт)



x 25 mm²
cod. 802556

x 50 mm²
cod. 802563

6 PCS

ATLAS Male plugs (2 pcs)
- Spinotti maschi (2 pz)
- Fiches mâles (2 pcs)
- Pasadores machos (2 pz)
- Steckerstifte (2 stk)
- Вилки (2 шт)



x 25 mm²
cod. 802558

x 50 mm²
cod. 802559

6 PCS

Welding cable
- Cavo saldatura
- Câble soudage
- Cable soldadura
- Schweißkabel
- Сварочный кабель



x 10 mm²
cod. 802574

x 16 mm²
cod. 802560

x 25 mm²
cod. 802561

6 PCS

Battery terminals extractor
- Estrattore per morsetti batteria
- Extracteur pour bornes batterie
- Extractor para bornes batería
- Abzieher für Batterieklemmen
- Экстрактор для клемм



cod. 802521

6 PCS

Magnetic torch holder - Porta torcia magnetico
Support magnétique - Soporte para antorcha magnético
Magnetischer brennerhalter - Магнитный держатель



MIG-MAG TORCH
cod. 804128

6 PCS



TIG TORCH
cod. 804127

6 PCS



Battery terminals brush - Spazzola per morsetti batteria
- Brosse pour bornes batterie
- Cepillo para bornes batería
- Bürste für Batterieklemmen
- Щетка для клемм батареи



cod. 802522

6 PCS



Earth clamp - Pinza di massa - Pince de masse - Pinza de masa - Masseklemme - Зажим заземления



Red - rosso - rouge
- rojo - rot - Красный (+)

Colorado 40 A cod. 804056

Colorado 60 A cod. 804118

Colorado 150 A cod. 802531

6 PCS



Black - nero - noir - negro
- schwarz - Черный (-)

Colorado 40 A cod. 804057

Colorado 60 A cod. 804119

Colorado 150 A cod. 802532

6 PCS

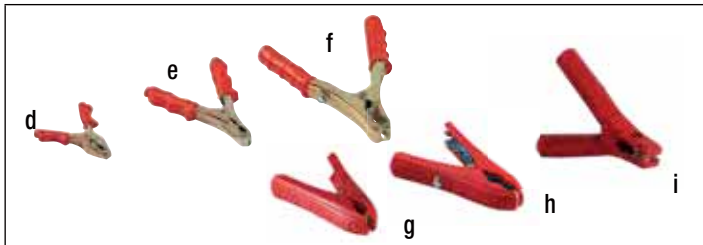
ACCESSORIES IN BULK

ACCESSORI SFUSI - ACCESSOIRES SANS BLISTER - ACCESORIOS SIN BLISTER - LOSE ZUBEHÖRE - НЕУПАКОВАННЫЕ ПРИНАДЛЕЖНОСТИ



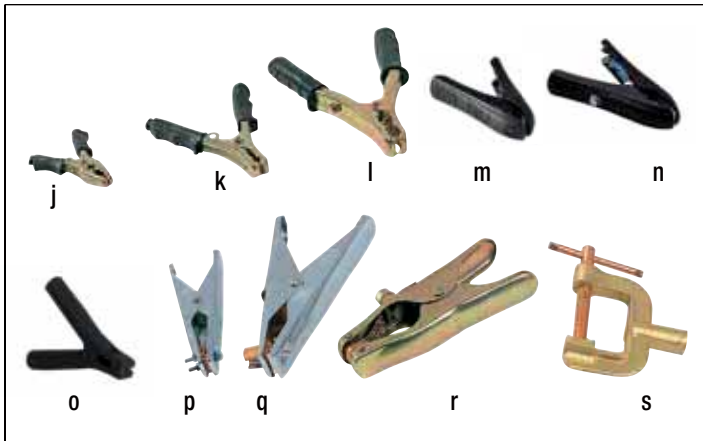
ELECTRODE HOLDERS - PINZE PORTAELETTRODI - PINCES PORTE ELECTRODES - PINZAS PORTAELECTRODOS - ELEKTRODENZANGEN - ДЕРЖАТЕЛЬ ЭЛЕКТРОДОВ

a	10 PCS	Dallas 300 A	∅ max 25 mm ²	cod. 804170
b	10 PCS	Dallas 400 A	∅ max 50 mm ²	cod. 804171
c	10 PCS	Dallas 600 A	∅ max 70 mm ²	cod. 804172



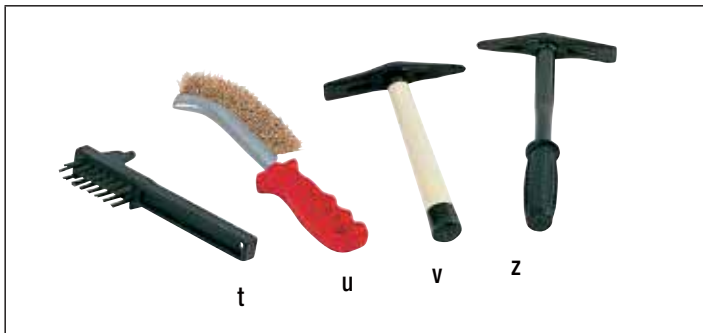
POSITIVE CLAMPS - PINZE POSITIVO - PINCES POSITIF - PINZAS POSITIVO - POSITIVE KLEMMEN - ПОЛОЖИТЕЛЬНЫЙ ЗАЖИМ

d	10 PCS	Colorado 40 A		cod. 804173
e	10 PCS	Colorado 60 A		cod. 804190
f	10 PCS	Colorado 150 A	∅ max 16 mm ²	cod. 804174
g	10 PCS	Arizona 70 A		cod. 804175
h	10 PCS	Arizona 150 A		cod. 804176
i	6 PCS	Kansas 250 A		cod. 804194



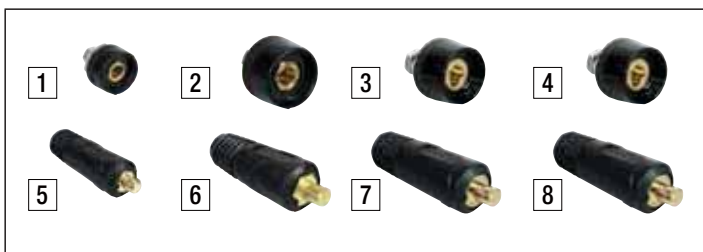
EARTH CLAMPS - PINZE DI MASSA - PINCES DE MASSE - PINZAS DE MASA - MASSEKLEMMEN - ЗАЖИМ ЗАЗЕМЛЕНИЯ

j	10 PCS	Colorado 40 A		cod. 804177
k	10 PCS	Colorado 60 A		cod. 804191
l	10 PCS	Colorado 150 A	∅ max 16 mm ²	cod. 804178
m	10 PCS	Arizona 70 A		cod. 804179
n	10 PCS	Arizona 150 A		cod. 804180
o	6 PCS	Kansas 250 A		cod. 804195
p	10 PCS	Toledo 250 A	∅ max 25 mm ²	cod. 804181
q	10 PCS	Toledo 300 A	With copper blade - con lamella in rame	cod. 804182
r	10 PCS	Toledo 400 A	∅ max 70 mm ²	cod. 804183
s	10 PCS	Toledo 600 A	∅ max 95 mm ²	cod. 804184
	6 PCS	Cordoba 500 A	∅ max 70 mm ²	cod. 804185



HAMMERS/BRUSHES - MARTELLINE/SPAZZOLE - MARTEAUX/BROSSES - MARTELLINAS/CEPILLOS - HAMMER/BÜRSTEN - МОЛОТОК/ЩЕТКА

t	10 PCS	Slag remover - Escoriatore/spazzola - Marteau/brosse - Excoriador/cepilla - Schlackenhammer - Щетка для удаления шлака		cod. 804186
u	10 PCS	Metal brush - Spazzola metallica - Brosse métallique - Cepillo metálico - Drahtbürste - Металлическая щетка		cod. 804187
v	10 PCS	Wooden chipping hammer - Martellina con manico in legno - Marteau à piquer avec manche en bois - Martellina con mango de madera - Hammer mit Holzgriff - Молоток для удаления окалины с деревянной рукояткой		cod. 804192
z	10 PCS	Metal chipping hammer - Martellina con manico in ferro - Marteau a piquer avec manche en fer - Martellina con mango de hierro - Hammer mit metall Griff - Молоток для удаления окалины с железной рукояткой		cod. 804193



ATLAS QUICK CONNECTORS

SOCKETS - PRESE - PRISES - ENCHUFES - STECKDOSE - РАЗЪЕМ

1	10 PCS	25 mm ²	cod. 804196
2	10 PCS	50 mm ²	cod. 804197
3	10 PCS	70/95 mm ²	cod. 804198
4	2 PCS	95 mm ²	cod. 804219

PLUGS - SPINE - FICHES - ENCHUFES - STECKER - ПРОБКА

5	10 PCS	25 mm ²	cod. 804199
6	10 PCS	50 mm ²	cod. 804200
7	10 PCS	70 mm ²	cod. 804201
8	2 PCS	95 mm ²	cod. 804218

INSTRUMENTATION

STRUMENTAZIONE - INSTRUMENTATION - INSTRUMENTACIÓN - INSTRUMENTIERUNG - ИНСТРУМЕНТЫ



- Oscilloscope - Oscilloscopio - Oscilloscope - Osciloscopio - Oszilloskop - Осцилограф **cod. 802401**
- Variac (1 ph) **cod. 802402**
- Dummy Load - Carico Statico - Charge Statique - Carga Estatica - Statische Belastung - Статическая нагрузка x Technica, Technology, Superior **cod. 802110**

MMA WELDING KITS

KIT SALDATURA MMA - KIT SOUDAGE MMA - KIT SOLDADURA MMA - MMA SCHWEISSKIT - КОМПЛЕКТ ДЛЯ СВАРКИ MMA



- 1** (10mm² 3+2 m DX25) x Motoinverter 174CE **cod. 801000**
 (16mm² 3+2 m DX25) x Infinity 170, 172, 180, 220, Maxima 200, 230, Tecnica 171/S, 188 MPGE, 211/S, Motoinverter 204 CE, Artika 270, Technomig 210, 215, 225, Technomig 223 Treo, Tecnica Tig 190, Technology Tig 182 **cod. 801096**
- (25mm² 3+2 m DX25) x Eurarc 322, Motoinverter 264D CE **cod. 801102**
- 2** (25mm² 4+3 m DX50) x Maxima 270, Infinity Tig 225, Technology 186 XT, 236 XT, 238 XT, Linear 280, Eurarc 410, 422, Superior 250, 320, Superior 400 Mig Pack, Electromig 220, 300, 230 Wave, 330 Wave, Technomig 240 Wave, 243 Wave, 260 Dual Synergic, Technology Tig 222, 230, Superior Tig 251, 252, 311, 322 **cod. 801081**
- (35mm² 4+3 m DX50) x Linear 340, Thunder 304 CE, Electromig 400, 450, 550 Electromig 430 Wave (Aqua) **cod. 801095**
- (50mm² 4+3 m DX50) x Eurarc 522, Linear 430 HD, Superior 400 CE VRD, Superior Tig 421, 422 **cod. 801093**
- 3** (70mm² 4+3 m DX70) x Linear 530 HD, 630 HD, Superior 630 CE VRD, Superior 630 Mig Pack (AQUA) **cod. 801106**
- 4** (70mm² 4+3 m DX70) x Superior 400, 630 CE VRD, Linear 340, 430 HD, 530 HD, 630 HD **cod. 802666**

TROLLEYS

CARRELLI - CHARIOTS - CARROS - WAGEN - ТЕЛЕЖКИ



- 1** (530x480x1080mm) x Superior Tig 322, 421, 422 **cod. 803072**
- 2** (983x489x1000mm) x Superior 400 MIG PACK, Superior 630 MIG PACK **cod. 803076**
- 3** (940x480x1180mm) x Superior Tig 322, 421, 422, Technomig 215, 260, 240 Wave Electromig 220, Superior Plasma 100 **cod. 803073**
- 4** (590x400x1100mm) x Maxima 160, 190, 200, Technomig 180 EURO, 210, Technology Tig 222, 230, Superior Tig **cod. 803059**
- 5** (900x410x820mm) x Infinity Tig 225, Maxima 160, 190, 200, Technomig 180, 210, Technology Tig 222, 230, Superior Tig, D-Arc 200, Puller 4000, Digital Puller (DUO), Digital Car Spotter, Digital Spotter 7000, Smart Inductor 5000, Superior Plasma 70 **cod. 803084**
- 6** (1130x430x840mm) x Superior Tig, Technomig 215, 260, 225, 240 Wave, Electromig 220, Technology Tig 230, 222 **cod. 803079**
- 7** (965x550x850mm) x Superior 630, Superior Plasma 160 **cod. 803064**
- 8** (770x565x895mm) x Doctor Charge 50, 130 **cod. 803077**
- 9** (730x610x1500mm) x Alucar 5100, Aluspotter 6100, Puller 4000, Digital Puller 5500 (DUO), Digital Car Spotter 5500, D-Arc 200 **cod. 803095**

REMOTE CONTROLS

COMANDI A DISTANZA - COMMANDES A DISTANCE - MANDOS A DISTANCIA
- FERNANTRIEBE - ДИСТАНЦИОННОГО УПРАВЛЕНИЯ



2 potentiometers

1 x Infinity Tig 225, Technology Tig 182, 222, 230, Superior Tig, Superior 320, 400, 630, Electromig 450, 550, Inverpulse 60.30, 60.40 **cod. 802336**



pedal

2 x Infinity Tig 225, Technology Tig 182, 222, 230, Superior Tig, Superior 320, 400, 630 **cod. 802017**
x Turning table **cod. 802210**

CABLES WITH EARTH CLAMP



x Technology Tig 182
m 2 16mm² DX25 **cod. 804120**
x Technology Tig 222, 230, Superior Tig 251, 252, 311, 322, Superior 250, 320
m 3 25mm² DX50 **cod. 804122**
x Superior Tig 421, 422, Superior 400, 630, Mastermig 500
m 3 50mm² DX50 **cod. 804125**

ELECTRODE HOLDERS



x Maxima 200, 230, Technomig 215, 223 Treo, Tecnica 190 Tig, Technology Tig 182
m 3 16mm² DX25 **cod. 804121**
x Maxima 270, Infinity Tig 225, Advance 227 XT, Technomig 240, 260, 243 Wave, Electromig 220, 300, Electromig 230 Wave, 330 Wave, Superior 400, 630, Technology Tig 230, 222, Superior Tig
m 4 25mm² DX50 **cod. 804123**
x Electromig 400, 450, Inverpulse 60.30, 60.40
m 4 35mm² DX50 **cod. 804124**
x Electromig 550
m 4 70mm² DX70 **cod. 804126**

G.R.A. WATER COOLING SYSTEMS

GRUPPI RAFFREDDAMENTO AD ACQUA - GROUPES REFRIGERISSMENT PAR EAU - EQUIPOS DE REFRIGERACION POR AGUA - WASSERKÜHLUNGSEINHEITEN - УЗЕЛЫ ВОДНОГО ОХЛАЖДЕНИЯ



G.R.A. 90



G.R.A. 3000



G.R.A. 3300



G.R.A. 4000



G.R.A. 4500



G.R.A. 5500

- 1 G.R.A. 90 x Mastermig 500, PTE LCD, PCP LCD **cod. 802043**
2 G.R.A. 3000 x Superior 630 MIG PACK **cod. 802497**
3 G.R.A. 3300 x Electromig 330 Wave, 430 Wave **cod. 802942**
4 G.R.A. 4000 x Superior Tig 322, 421, 422, Superior 400 MIG PACK **cod. 802640**
5 G.R.A. 4500 x Superior Tig 252, 311 **cod. 802790**
6 G.R.A. 5500 x Electromig 450, 550 Synergic, Inverpulse 60.30, 60.40 **cod. 804058**

GAS REGULATORS

RIDUTTORI PRESSIONE - REDUCTEURS PRESSION - REDUCTORES PRESSION
- DRUCKMINDERER - ГАЗОВЫЕ РЕГУЛЯТОРЫ



cod. 722120

THROWAWAY BOTTLE - BOMBOLA A PERDERE
BOUTEILLE JETABLE - TANQUE NO RECUPERABLE
EINWEGFLASCHE - ОДНОРАЗОВЫЙ ГАЗОВЫЙ БАЛЛОН

REFILLABLE BOTTLE - BOMBOLA RICARICABILE - BOUTEILLE RECHARGABLE - TANQUE RECARGABLE - AUFFÜLLBAREFLASCHE - ДЛЯ ПОДЗАРЯДНОГО ГАЗОВОГО БАЛЛОНА



cod. 722341



cod. 722119



cod. 722346

cod. 722114 DK/N/NL/S/SF

GAS BOTTLE ADAPTORS

ADATTATORI BOMBOLA - ADAPTATEURS BOUTEILLE DE GAZ - ADAPTADORES BOMBONA - GASFLASCHE PASSTÜCKE - АДАПТЕРЫ ДЛЯ ГАЗОВЫЙ БАЛЛОН



GB/AU



IT/USA



DK/N/NL
S/SF



RU/BY

- 1 ARGON/CO₂ - GB-AU **cod. 432102**
2 ARGON/CO₂ - ITA-USA **cod. 432036**
3 ARGON/CO₂ - DK-N-NL-S-SF **cod. 432160**
4 ARGON/CO₂ - RU-BY **cod. 432700**

	V _{PH} 50/60 Hz	P W	L L	bar	(1 L/min) kW	mm (LxWxH)	kg
G.R.A. 90	230 1 ph	180	5	3	0,95	255x240x710	15,2
G.R.A. 3000	230 1 ph	180	8	3	0,9	640x305x255	18,9
G.R.A. 3300	230 1 ph	180	4	3	0,6	585x235x185	9
G.R.A. 4000	230 1 ph	180	4	3	0,6	585x235x185	12
G.R.A. 4500	230 1 ph	80	1,5	3	0,4	470x190x178	5,9
G.R.A. 5500	230 1 ph	180	4	3	0,6	585x235x185	9

AUTOTRANSFORMERS (3ph)

AUTOTRASFORMATORI - AUTOTRANSFORMATEURS - AUTOTRANSFORMATOREN
- AUTOTRANSFORMADORES - АВТОТРАНСФОРМАТОРЫ



1 ATT 150 (208V-230V → 400V 15kVA)
x Superior Tig 322, 421, 422

cod. 802685

MIG-MAG ACCESSORIES



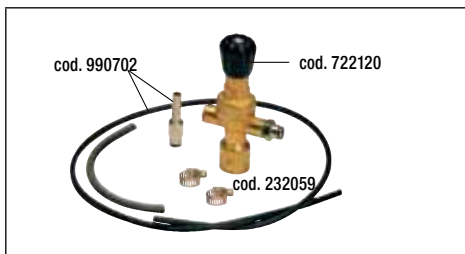
GAS KITS

CONNECTION KITS - KIT DI CONNESSIONE - KIT ATTELAGE
- KIT CONEXION - ANSCHLUSSKIT - КОМПЛЕКТ СОЕДИНЕНИЯ

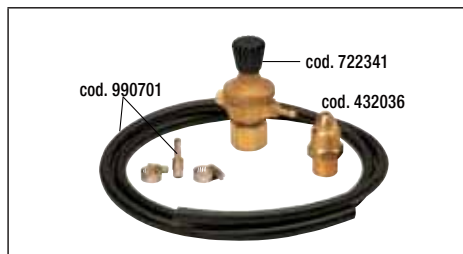
THROWAWAY BOTTLE - BOMBOLA A PERDERE
- BOUTEILLE JETABLE - TANQUE NO RECUPERABLE
- EINWEGFLASCHE - ОДНОРАЗОВЫЙ ГАЗОВЫЙ БАЛЛОН

REFILLABLE BOTTLE - BOMBOLA RICARICABILE -
BOUTEILLE RECHARGABLE - TANQUE RECHARGABLE
- AUFFÜLLBAREFLASCHE - ДЛЯ ПОДЗАРЯДНОГО
ГАЗОВОГО БАЛЛОНА

INDUSTRIAL TYPE BOTTLE - BOMBOLA TIPO INDUSTRIALE
- BOUTEILLE SÉRIE INDUSTRIELLE - BOMBONA TIPO
INDUSTRIAL - INDUSTRIE GASFLASCHE - БАЛЛОНА
ПРОМЫШЛЕННОГО ТИПА



cod. 802032



cod. 802708



cod. 802067

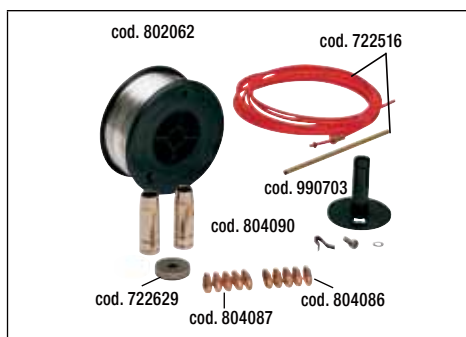
MIG-MAG WELDING KITS

KIT SALDATURA MIG-MAG - KIT SOUDAGE MIG-MAG - KIT SOLDADURA MIG-MAG
- MIG-MAG SCHWEISSKIT - КОМПЛЕКТ ДЛЯ СВАРКИ MIG-MAG

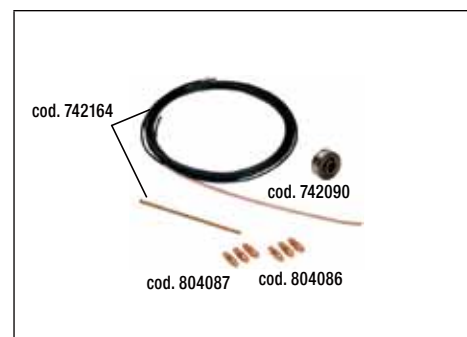
ALUMINIUM - ALLUMINIO - ALUMINIUM - ALUMINIO - ALUMINIUM - АЛЮМИНИЙ



cod. 802036 - Ø 0,8mm
x Bimax 140, 162, Maxima 160, 190 Synergic,
Telmig 180/2



cod. 802115 - Ø 0,8±1mm
x Telmig 195/2, 200/2, 203/2, 250/2, 281/2,
Technomig 180, 210 Dual Synergic,
Maxima 200, 230, 270 Synergic



cod. 802817 - Ø 0,8±1mm
x Technomig 215, 225, 260 Dual Synergic, 240 Wave
Electromig 220 Synergic, Electromig 230 Wave



cod. 802836 - Ø 0,8±1mm
x Technomig 223 Treo



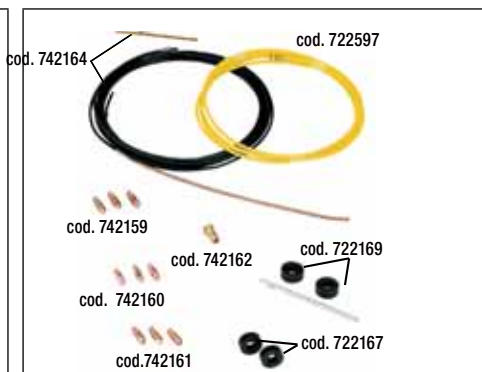
cod. 802663 - Ø 1±1,2mm
x Technomig 243 Wave, Electromig 300 Synergic, 330 Wave



cod. 802766 - Ø 1±1,2mm
x Mastermig 220/2, 270/2

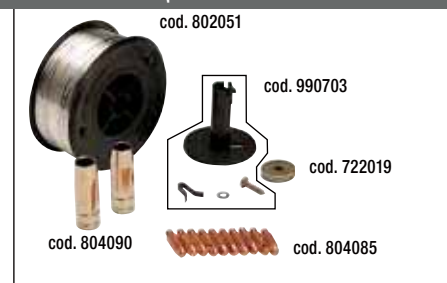


cod. 802273 - Ø 1±1,6mm
x Mastermig 300, 400, 500 (AQUA), Supermig 380,
Superior 400, 630 CE VRD, Superior 400 CE VRD (Mig Pack),
Electromig 400 Synergic, 430 Wave (AQUA)



cod. 802409 - Ø 1±1,6mm
x Superior 400 Mig Pack AQUA, 630 Mig Pack (AQUA),
Electromig 450 (AQUA), 550 (AQUA),
Inverpulse 60.30, 60.40 (AQUA)

STAINLESS STEEL - ACCIAIO INOX - ACIER INOX
- ACERO INOXIDABLE - EDELSTHAL
- НЕРЖАВЕЮЩАЯ СТАЛЬ



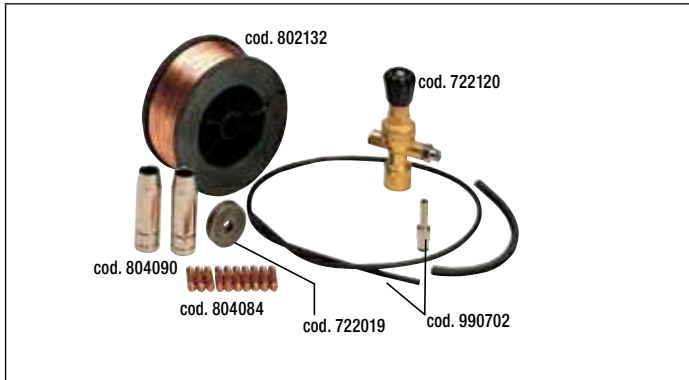
cod. 802037 - Ø 0,8mm
x Bimax 140, 162, Telmig 180/2, 195/2,
Telmig 200/2, 203/2, 250/2, 281/2, Mastermig 220/2,
Technomig Dual Synergic, Electromig 220 Synergic,
Maxima 160, 190, 200, 230 Synergic, 270

MIG-MAG ACCESSORIES



STEEL - ACCIAIO - ACIER - ACERO - STAHL - СТАЛЬ

- THROWAWAY BOTTLE - BOMBOLA A PERDERE - BOUTEILLE JETABLE - TANQUE NO RECUPERABLE - EINWEGFLASCHE - ОДНОРАЗОВЫЙ ГАЗОВЫЙ БАЛЛОН



cod. 802147 - Ø 0,6mm
x Bimax 140, 162, Technomig Dual Synergic, Maxima 160, 190, 200 Synergic

- REFILLABLE BOTTLE - BOMBOLA RICARICABILE - BOUTEILLE RECHARGABLE - TANQUE RECARGEABLE - AUFFÜLLBAREFLASCHE - ПОДЗАРЯДНЫЙ ГАЗОВОЙ БАЛЛОН



cod. 802148 - Ø 0,6mm
x Bimax 140, 162, Technomig Dual Synergic, Maxima 160, 190, 200, 230, Synergic

FLUX CORED WIRE - FILO ANIMATO - FIL FOURRE - HILO DE ALMA - FÜLLDRAHT - ПОРОШКОВОЙ ПРОВОЛОКОЙ



cod. 802466 - Ø 1,0±1,6mm
x Mastermig 300, 400, 500 (AQUA), Supermig 380, Superior 400, 630 CE VRD, Electromig 450 (AQUA)



cod. 802276 - Ø 1,0±2,4mm
x Superior 400 Mig Pack AQUA, Superior 630 Mig Pack (AQUA), Electromig 550 (AQUA), Inverpulse 60.30 (AQUA), 60.40 (AQUA)

WIRE COILS

BOVINE FILO - BOVINES FIL - BOVINAS HILO - DRAHTSPULEN - БОБИНЫ ПРОВОЛОКИ



GAS BOTTLES

BOMBOLE GAS - BOUTEILLES GAZ - BOMBONAS GAS - GASFLASCHE - ГАЗОВЫЕ БАЛЛОНЫ



1 Anti-stick spray - Аэрозоль, препятствующий прилипанию (no silicon)
cod. 804209

2 Throwaway - a perdere - jetable - no recuperable - Einweg - Одноразовые
CO₂ 1 l **cod. 802038**
ARGON CO₂ 1 l **cod. 802048**
ARGON 1 l **cod. 802050**

					cod.
	Ø wire (mm)	Weight (kg)	Ø external (mm)	Ø internal (mm)	
1 Flux cored wire - Filo animato - Fil fourré - Hilo de alma - Fülldraht - Порошковая проволока					
	0,8	0,8	100	16	802208
	0,8	3	200	50	802181
	0,9	0,8	100	16	802179
	0,9	3	200	50	802188
	1,2	0,8	100	16	802145
	1,2	3	200	50	802146
2 Steel - Acciaio - Acier - Acero - Stahl - Сталь					
	0,6	0,8	100	16	802132
	0,6	5	200	50	802395
	0,8	0,8	100	16	802133
	0,8	5	200	50	802396
	0,8	15	300	50	802682
	1	15	300	50	802683
3 Stainless steel - Acciaio Inox - Acier inox - Acero inox - Inox stahl - Нержавеющая сталь					
	0,8	0,5	100	16	802051
	0,8	1	100	16	802061
4 Aluminium - Alluminio - Aluminium - Aluminio - Aluminium - Алюминий					
	0,8	0,45	100	16	802062
	1	0,45	100	16	802064
	AlMg ₅	1	2	200	804069
	AlSi	1	2	200	804072
5 Brazing wire - Filo per brasatura - Fil pour brasage - Hilo para cobresoldadura - Lötdräht - Проволока для пайки					
	CuSi ₃	0,8	0,8	100	802495
	CuSi ₃	0,8	3	200	802434

MIG-MAG ACCESSORIES



PRODUCTS	BIMAX 120	BIMAX 140	BIMAX 162 TURBO, MAXIMA 160	MAXIMA 190	TELMIG 180/2	TELMIG 195/2 200/2, 203/2, 250/2 TURBO	MAXIMA 200, MAXIMA 230
ACCESSORIES							
Torches - Torce - Torches - Sopletes - Tubitos - Горелки	 TW160 2 m □ 742769	 TW160 2 m □ 742402	 TW160 2 m □ 742402	 TW180 2,5 m □ 742605	 TW180 2,5 m □ 742405	 MT15 3 m □ 742180 4 m □ 742181	 MT15 3 m □ 742180 4 m □ 742181
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontakttröhrchen - Контактные трубки Steel	-	-	∅ 0,6 □ 722415 (•) ∅ 0,8 □ 722416 (•)	-	-	∅ 0,6 □ 722415 (•) ∅ 0,8 □ 722416 (•) ∅ 1 □ 722705	-
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontakttröhrchen - Контактные трубки Al/Flux	∅ 0,8 □ 722556 (•) x Flux	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•)	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•) ∅ 1,2 □ 722553 (•)	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•) ∅ 1,2 □ 722553 (•)	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•)	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•) ∅ 1,2 □ 200, 230 □ 722553 (•)	-
Conical Nozzles - Ugelli conici - Becs coniques - Inyectores conicos - konische Gasdüsen - Конические соплы	-	-	□ 722423 (•)	-	-	□ 722423 (•)	-
Thin Headed Nozzles - Ugelli a testa fine - Becs à tête fine - Inyectores cabeza fina - verengte Düsen - Соплы с тонкой головкой	-	-	-	□ 722151	□ 722151	□ 722151	-
Cylindrical Nozzles - Ugelli cilindrici - Becs cylindriques - Inyectores cilindricos - zylindrische Düsen - илиндрические соплы	□ 722149 (•)	-	□ 722149 (•)	-	-	□ 722149 (•)	-
Riveting Nozzles - Ugelli puntatura chiodi - Becs pointage clous - Inyectores punteado clavos - Nägelpunktendüsen - Соплы точной сварки гвоздей	-	-	-	□ 722672	□ 722672	□ 722672	-
Spot-welding Nozzles - Ugelli puntatura - Becs pointage - Inyectores punteado - Punktschweißdüsen - Соплы для точечной сварки	-	-	-	□ 722150	□ 722150	□ 722150	-
Liners - Guaine guidafile - Gains pour fil - Vainas guia alambre - Drahtführungsseelen - Рукавы, направляющие проволоку	Fe 2/2,5 m ▶ Fe 5 m ▶ Al 3 m ▶	∅ 0,6÷0,8 □ 722077	-	∅ 0,6÷0,8 □ 742422	∅ 0,6÷0,8 □ 742413	∅ 0,6÷0,8 □ 722437 ∅ 1÷1,2 □ 722689	∅ 0,6÷0,8 □ 722712 ∅ 1÷1,2 □ 722766
Torch Swan Necks - Lance - Lances - Encorvados - Brennerhals - лебедьиные шеи	□ 722078	-	□ 722078	□ 722078	□ 722078	□ 722305 WITH GAS DIFFUSOR CONTACT TIP HOLDER	-
Springs - Molle - Resorts - Muelles - Feder - Пружины	-	-	□ 722319 (•)	-	-	□ 722319 (•)	-
Feed Rolls - Rullini - Galets - Roldanas - Vorschubrollen - Ролики	Fe Al Flux	∅ 0,6÷0,9 □ 722529	∅ 0,6÷0,9 □ 722529	∅ 0,6÷0,9 □ 722529	∅ 0,6÷0,8 □ 722019	∅ 0,6÷0,8 □ 722019 ∅ 1 □ 722629	∅ 0,6÷0,9 □ 200 □ 722529 ∅ 0,6÷0,8/0,9 □ 230 □ 722019 ∅ 1 □ 722629
		∅ 1 □ 722629	-	∅ 1 □ 722629	-	∅ 0,6÷0,8 □ 722019 ∅ 1 □ 722629	∅ 0,6÷0,8 □ 722019 ∅ 1 □ 722629
	∅ 0,6÷0,9 □ 722529	∅ 0,6÷0,9 □ 722529	∅ 0,6÷0,9 □ 722529	∅ 0,6÷0,9 □ 722529 ∅ 0,9÷1,2 □ 722626	-	-	∅ 0,6÷0,9 □ 722529 ∅ 0,9÷1,2 □ 722626
Consumables box - Box consumabili - Boite consommables - Caja consumibles - Verbrauchsmaterialbox - Коробка потребляемых	-	MIG READY BOX C □ 804149	MIG READY BOX C □ 804149	MIG READY BOX C □ 804149	MIG READY BOX C □ 804149	MIG READY BOX C □ 804149 CONSUMABLES □ 804137	MIG READY BOX C □ 804149 CONSUMABLES □ 804137

Q.TY FOR SALES BY MULTIPLE OF/Q.TA' DI VENDITA PER MULTIPLI DI:

2 2 PCS

6 6 PCS

10 10 PCS

12 12 PCS

(•) AVAILABLE AS BLISTER, see on page 78

MIG-MAG ACCESSORIES



PRODUCTS	TECHNOMIG 180, TECHNOMIG 210 DUAL SYNERGIC	MASTERMIG 220/2 TECHNOMIG 215, 225, ELECTROMIG 220 SYNERGIC	TECHNOMIG 223 TREQ	TELMIG 281/2 TURBO, MAXIMA 270	MASTERMIG 270/2,300, ELECTROMIG 300 SYN. 230, 330 WAVE, TECHNOMIG 240, 260	TECHNOMIG 243 WAVE
ACCESSORIES						
Torches - Torce - Torches - Sopletes - Brenner - Горелки	MT15 3 m □ 742180 4 m □ 742181	MT15 3 m □ 742180 4 m □ 742181 5 m □ 742182	MT15 3 m □ 742180 (RED) 3 m □ 742944 (BLUE) 4 m □ 742181 5 m □ 742182	MT25 3 m □ 742183 4 m □ 742184 5 m □ 742185 NO TELMIG, NO MAXIMA 270		MT15 3 m □ 742180 (RED) 3 m □ 742944 (BLUE) MT25 ALU 3 m □ 742708 (GRAY)
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки	Steel □ 0,6 □ 722415 (●) □ 0,8 □ 722416 (●) □ 1 □ T.210 □ 722705	□ 0,6 □ 722415 (●) □ 0,8 □ 722416 (●) □ 1 □ 722705	□ 0,6 □ 722415 (●) □ 0,8 □ 722680 □ 1 □ 722681	□ 0,6 □ 722415 (●) □ 0,8 □ 722680 □ 1 □ 722681	□ 0,6 □ 722415 (●) □ 0,8 □ 722680 □ 1 □ 722681 □ 1,2 □ 722682 NO E.230	□ 0,6 □ 722415 (●) □ 0,8 □ 722416 (●) □ 1 □ 722705
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки	AI □ 0,8 □ 722556 (●) □ 1 □ 722552 (●)	□ 0,8 □ 722556 (●) □ 1 □ 722552 (●)	□ 0,8 □ 722556 (●) □ 1 □ 722552 (●) □ 1,2 □ 722553	□ 0,8 □ 722556 (●) □ 1 □ 722552 (●)	□ 0,8 □ 722556 (●) □ 1 □ 722552 (●) □ 1,2 □ 722553 NO E.230, NO MM. 270/2	□ 0,8 □ 722556 (●) □ 1 □ 722552 (●) □ 1,2 □ 722553
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки	Flux	□ 0,8 □ 722556 (●) □ 1 □ 722552 (●) □ 1,2 □ 722553	□ 0,8 □ 722556 (●)* □ 1 □ 722552 (●)* □ 1,2 □ 722553* *NO MM 270/2			-
Conical Nozzles - Ugelli conici - Becs coniques - Inyectores conicos- konische Gasdüsen - Коническое соплы		□ 722423 (●)		□ 722685		□ MT 15 □ 722423 (●) □ MT 25 □ 722685
Thin Headed Nozzles - Ugelli a testa fine - Becs à tête fine - Inyectores cabeza fina - verengte Düsen - Соплы с тонкой головкой		□ 722151		□ 722686		□ MT 15 □ 722151 □ MT 25 □ 722686
Cylindrical Nozzles - Ugelli cilindrici - Becs cylindriques - Inyectores cilindricos - zylindrische Düsen - иллиндрические соплы		□ 722149 (●)		□ 722684		□ MT 15 □ 722149 (●) □ MT 25 □ 722684
Riveting Nozzles - Ugelli puntatura chiodi - Becs pointage clous - Inyectores punteado clavos - Nägelpunktendüsen - Соплы точечной сварки гвоздей		□ 722672		-		□ 722672
Spot-welding Nozzles - Ugelli puntatura - Becs pointage - Inyectores punteado - Punktschweißdüsen - Соплы для точечной сварки		□ 722150		□ 722687		□ MT 15 □ 722150 □ MT 25 □ 722687
Liners	Fe 3 m ▶		□ 0,6÷0,8 □ 722437 □ 1÷1,2 □ 722689			□ MT 15 □ 0,6÷0,8 □ 722437 □ MT 15 □ 1÷1,2 □ 722689
	Fe 5 m ▶	-	□ 0,6÷0,8 □ 722712 □ 1÷1,2 □ 722766		□ 0,6÷0,8 □ 722712 □ 1÷1,2 □ 722766	-
	Al 3 m ▶	□ 1÷1,2 □ 722516 / □ 1÷1,2 □ TECHNOMIG 240, ELECTROMIG 230 □ 742164				□ MT 25 □ 1÷1,2 □ 722516
Torch Swan Necks - Lance - Lances - Encorvados - Brennerhals - лебединые шеи		□ 722305 WITH GAS DIFFUSOR/ CONTACT TIP HOLDER		□ 722696		□ MT 15 □ 722305 □ MT 25 □ 722696
Springs - Molle - Resorts - Muelles - Feder - Пружины	□ 722319 (●)	□ 722319 (●)	□ 722319 (●)	□ 722690		□ MT 15 □ 722319 (●) □ MT 25 □ 722690
Gas diffusers - Diffusori gas - Diffuseurs gaz - Difusores gas- Gasdiffusoren - Газовые диффузоры		-	-	□ 722688		□ MT 25 □ 722688
Feed Rolls - Rullini - Galets - Roldanas - Vorschubrollen - Ролики	Fe □ 0,6÷0,8/0,9 □ T.210 □ 722019 □ 0,6÷0,9 □ T.180 □ 722529 □ 1 □ T.210 □ 722629	□ 0,6÷0,8 □ 722112 □ 1÷1,2 □ 742054	2 RULLI □ 0,6÷0,8 □ 722112 4 RULLI □ 0,6÷0,8 □ 742576 □ 1÷1,2 □ 742366	□ 0,6÷0,8 □ 722019 □ 1 □ 722629	□ 230, 270/2, 240, 260 □ 0,6÷0,8 □ 722112 □ 1÷1,2 □ 742054 □ E.300, 330, MM 300 □ 0,6÷0,8 □ 742576 □ 1÷1,2 □ 742366	□ 0,6÷0,8 □ MT 15 □ 722112 □ 1÷1,2 □ MT 15 □ 742054
	Al	□ 1 □ 722629	□ 0,8÷1 □ 742090	□ 1 □ 722629	□ 230, 270/2, 240, 260 □ 0,8÷1 □ 742090 □ E.300, 330, MM 300 □ 0,8÷1 □ 742304 □ 1÷1,2 □ 722167	□ 1÷1,2 □ MT 25 □ 722167
	Flux	□ 0,6÷0,9 □ 722529 □ 0,9÷1,2 □ 722626	□ 1÷1,2 □ 722130	4 RULLI □ 1÷1,2 □ 742729	□ 270 □ 0,6÷0,9 □ 722529 □ 0,9÷1,2 □ 722626	□ 1÷1,2 □ MT 15 □ 722130
Consumables box - Box consumabili - Boite consommables - Caja consumibles - Verbrauchsmaterialbox - Коробка потребляемых	MIG READY BOX C □ 804149 CONSUMABLES □ 804137	MIG READY BOX F □ T.215 □ 804168 CONSUMABLES □ 804137	CONSUMABLES □ 804137	CONSUMABLES □ 804152	CONSUMABLES □ 804152	CONSUMABLES □ MT 15 □ 804137 □ MT 25 □ 804152

(●) AVAILABLE AS BLISTER, see on page 78

MIG-MAG ACCESSORIES



PRODUCTS ACCESSORIES	ELECTROMIG 400, 450 SYNERGIC	MASTERMIG 400, 500 SUPERMIG 380, SUPERIOR 400 MIG PACK, ELECTROMIG 430 WAVE	SUPERIOR 630 MIG PACK, ELECTROMIG 550 SYNERGIC, INVERPULSE 60.30, 60.40	AQUA VERSION* MASTERMIG 500, SUPERIOR MIG PACK, ELECTROMIG 450, 550, 330, 430 WAVE, INVERPULSE	SPOOL GUN M6
Torches - Torce - Torches - Sopletes - Brenner - Горелки	 MT36 3 m □ 742186 4 m □ 742187 5 m □ 742188		MT40 3 m □ 722798 5 m □ 722800	MT500 3 m AQUA □ 722625 5 m AQUA □ 722683	□ 802407
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки Steel	20 PCS □ 0,6 □ 722415 (•) □ 0,8 □ 722680 □ 0,1 □ 722681 □ 0,1,2 □ 722682 □ 0,1,6 □ 722797		□ 0,8 □ 722581 □ 0,1 □ 722582 □ 0,1,2 □ 722583 □ 0,1,6 □ 722587		□ 0,6 □ 722415 (•) □ 0,8 □ 722416 (•)
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки Al	20 PCS □ 0,8 □ 742466 □ 0,1 □ 742467 □ 0,1,2 □ 742468	□ 0,8 □ 722556 (•) □ 0,1 □ 722552 (•)	□ 0,1 □ 742159 □ 0,1,2 □ 742160 □ 0,1,6 □ 742161 □ 0,2 □ 722772		□ 0,8 □ 722556 (•) □ 0,1 □ 722552 (•)
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки Flux	20 PCS □ 0,1 □ 722552 (•) □ 0,1,2 □ 722553	□ 0,1,2 □ 722553 □ 0,1,6 □ 722818	□ 0,1 □ 722769 □ 0,1,2 □ 722770 □ 0,1,6 □ 722771 □ 0,2 □ 722772		-
Conical Nozzles - Ugelli conici - Becs coniques - Inyectores conicos - konische Gasdüsen - Конические соплы	10 PCS □ 722792		□ 722808	□ 722585	□ 722423 (•)
Cylindrical Nozzles - Ugelli cilindrici - Becs cylindriques - Inyectores cilindricos - zylindrische Düsen - иллиндрические соплы	10 PCS -		□ 722809	□ 722595	□ 722149 (•)
Thin Headed Nozzles - Ugelli a testa fine - Becs à tête fine - Inyectores cabeza fina - verengte Düsen - Соплы с тонкой головкой	10 PCS □ 722793		-	-	□ 722151
Liners - Guaine guidafile - Guaines pour fil - Vainas guía alambre - Drahtführungsseelen - Рукавы, направляющие проволоку	Fe 3 m □ 0,6÷0,8 □ 722437 □ 0,1÷1,2 □ 722689	□ 0,6÷0,8 □ 722437 □ 0,1÷1,2 □ 722689 □ 0,1,2÷1,6 □ 722795	□ 0,1÷1,2 □ 722689 □ 0,1,2÷1,6 □ 722795	□ 0,1÷1,2 □ 722590 □ 0,1,2÷1,6 □ 722588	-
Fe 5 m □ 0,6÷0,8 □ 722712 □ 0,1÷1,2 □ 722766	□ 0,6÷0,8 □ 722712 □ 0,1÷1,2 □ 722766 □ 0,1,2÷1,6 □ 722796	□ 0,1÷1,2 □ 722766 □ 0,1,2÷1,6 □ 722796	□ 0,1÷1,2 □ 722766 □ 0,1,2÷1,6 □ 722796	□ 0,1÷1,2 □ 722780 □ 0,1,2÷1,6 □ 722767	-
Al 3 m □ 0,1÷1,2 □ 742164	□ 0,1÷1,2 □ 722516 □ 0,1,6÷2 □ 722597	□ 0,1÷1,2 □ 742164 □ 0,1,2÷1,6 □ 722597			-
Torch Swan Necks - Lance - Lances - Encorvados - Brennerhals - лебединые шеи	□ 722788		□ 722801	□ 722708	□ 990662
Springs - Molle - Resorts - Muelles - Feder - Пружины	10 PCS -		-	-	□ 722319 (•)
Gas diffusers - Diffusori gas - Diffuseurs gaz - Difusores gas - Gasdiffusoren - Газовые диффузоры	10 PCS □ 722791		□ 722802	□ 722593	-
Contact Tip Holders - Supporti tubetto - Suports tubes - Sostén tubitos - Kontaktrohrchentragter - Контактные трубки	10 PCS □ 722789		□ 722807	□ 722709	-
Feed Rolls - Rullini - Galets - Roldanas - Vorschubrollen - Ролики	Fe □ 0,6÷0,8 □ 742576 □ 0,8÷1 □ 722227 □ 0,1÷1,2 □ 742366	□ 0,6÷0,8 □ 742576 □ 0,8÷1 □ 722227 □ 0,1÷1,2 □ 742366 □ 0,1,2÷1,6 □ 722241	□ 0,6÷0,8 □ 742576 □ 0,8÷1 □ 722227 □ 0,1÷1,2 □ 742366 □ 0,1,2÷1,6 □ 722241	□ 0,6÷0,8 □ 742576 □ 0,8÷1 □ 722227 □ 0,1÷1,2 □ 742366 □ 0,1,2÷1,6 □ 722241	□ 0,6÷0,8 □ 742191
Al □ 0,8÷1 □ 742304 □ 0,1÷1,2 □ 722167	□ 0,8÷1 □ 742304 □ 0,1÷1,2 □ 722167 □ 0,1,2÷1,6 □ 722169	□ 0,8÷1 □ 742304 □ 0,1÷1,2 □ 722167 □ 0,1,2÷1,6 □ 722169	□ 0,8÷1 □ 742304 □ 0,1÷1,2 □ 722167 □ 0,1,2÷1,6 □ 722169	□ 0,8÷1 □ 742304 □ 0,1÷1,2 □ 722167 □ 0,1,2÷1,6 □ 722169	□ 0,8÷1 □ 742193
Flux □ 0,1÷1,2 □ 742729	□ 0,1÷1,2 □ 742729 □ 0,1,6÷2,4 □ 742730 NO MM. 400, SUP. MIG 380	□ 0,1÷1,2 □ 742729 □ 0,1,6÷2,4 □ 742730 NO MM. 400, SUP. MIG 380	□ 0,1÷1,2 □ 742729 □ 0,1,6÷2,4 □ 742730	□ 0,1÷1,2 □ 742729 □ 0,1,6÷2,4 □ 742730	-

Q.TY FOR SALES BY MULTIPLE OF/Q.TA' DI VENDITA PER MULTIPLI DI:

2 PCS

6 PCS

10 PCS

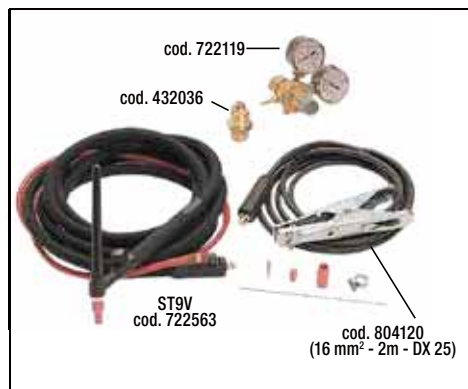
12 PCS

*AQUA = WATER COOLED

(•) AVAILABLE AS BLISTER, see on page 78

TIG WELDING KITS

KIT SALDATURA TIG - KIT SOUDAGE TIG - KIT SOLDADURA TIG - WIG SCHWEISSKIT - КОМПЛЕКТ ДЛЯ СВАРКИ TIG



cod. 801097

x Infinity 170, 172, 180, 220, Tecnica 171/S, 211/S, Tecnica 188 MPGE, Tecnica 190 Tig, Motoinverter 174 CE, 204 CE, 264D CE



cod. 802491

x Technology 186 XT MPGE, 236 XT, 238 XT CE/MPGE, Infinity 228 CE, Advance 227 XT



cod. 802415

x Technology Tig 182



cod. 802788

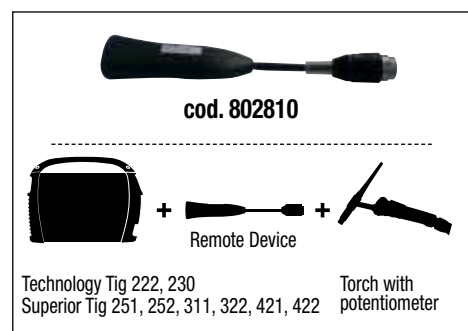
x Technology Tig 222, 230, Superior Tig 251, 252, 311, Superior Tig 322, 421, 422



cod. 802789

x Superior Tig 252 AQUA, 322 AQUA, 421 AQUA, 422 AQUA

REMOTE DEVICE



CLEANTECH 200

MARKING KIT <p>cod. 804028</p>	LIQUIDS <p>1 2 3 4 5 6</p>	NEW NEW <p>1. CLEAN IT (1l) cod. 804031 2. BRUSH IT (1l) cod. 804030 3. MARK IT (1l) cod. 804029 4. NEUTRALIZE IT (1l) cod. 804139 5. CLEAN IT (5l) cod. 804296 6. BRUSH IT (5l) cod. 804297</p>
BRUSH KIT <p>5 pcs cod. 981863</p>	MARKING STRIPS KIT <p>0,5 m cod. 981865</p>	CLEANING STRIPS KIT <p>10 pcs cod. 981866</p>

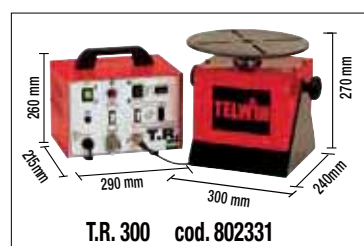
TIG TORCH SPARE PARTS

1 	3
2 	4

Long cap - Cappuccio lungo - Capuchon long
Capucha larga - Lange kappe - Хвостовик длинный
1 x ST9V cod. 722981
2 x ST17, ST18A, ST26, ST26V cod. 722193
Short cap - Cappuccio corto - Capuchon petit - Capucha cort
Kurze kappe - Хвостовик короткий
3 x ST9V cod. 722982
4 x ST17, ST18A, ST26, ST26V cod. 722192

TURNING TABLE

TAVOLO ROTANTE - TABLE TOURNANTE - MESA GIRATORIA - DREHTISCH - ВРАЩАЮЩИЙСЯ СТОЛ



V _{PH}	P	P _Y	P _Y	RPM
50/60 Hz	W	kg max	kg max	N°
230 1 ph	250	5 (vertical)	10 (horizontal)	0÷10

















- PLATE 300 MM DIAM. MAY BE INCLINATED TO 90°
- PIASTRA Ø 300 MM INCLINABILE DI 90°
- PLAQUE Ø 300 MM À INCLINATION À 90°

- PLACA Ø 300 MM INCLINABLE DE 90°
- PLATTE Ø 300 MM UM 90° NEIGBAR
- ПЛАСТИНА Ø 300 MM С ВОЗМОЖНОСТЬЮ НАКЛОНА 90°

TIG ACCESSORIES



PRODUCTS ACCESSORIES	KIT cod. 801097 	TECHNOLOGY TIG 182 	INFINITY TIG 225, TECHNOLOGY TIG 222, 230, SUPERIOR TIG 251, 252, 311 	INFINITY 228 SUPERIOR, TECHNOMIG 243, 260, 240, MAXIMA 270, ELECTROMIG WAVE ELECTROMIG SYNERGIC, INVERPULSE WAVE 	SUPERIOR TIG 252 AQUA, SUPERIOR TIG 322, 421, 422 (AQUA)
Torches - Torce - Torches - Sopletes - Brenner - Горелки 	4m DX25 ST9V ☐ 722563 (801097)	-	-	-	-
Torches - Torce - Torches - Sopletes - Brenner - Горелки 	4m DX25	ST17 ☐ 742423	-	-	-
Torches - Torce - Torches - Sopletes - Brenner - Горелки 	4m DX50	-	-	ST26V ☐ 742058	-
Torches - Torce - Torches - Sopletes - Brenner - Горелки 	4m DX50	-	ST26 ☐ 742614 Green line ☐ NO INFINITY 225 ☐ 742618 POT** (+ device ☐ 802810)	-	ST26 ☐ 742614 Green line ☐ 742618 POT** (+ device ☐ 802810)
Torches - Torce - Torches - Sopletes - Brenner - Горелки AQUA = water cooled 	4m DX50 AQUA	-	-	-	AQUA VERSION(*) ST18A ☐ 742615 Green line ☐ 742617 POT** (+ device ☐ 802810)
Torches - Torce - Torches - Sopletes - Brenner - Горелки 	8m DX50	-	ST26 ☐ 742616 Green line ☐ NO INFINITY 225 ☐ 742619 POT** (+ device ☐ 802810)	-	ST26 ☐ 742616 Green line ☐ 742619 POT** (+ device ☐ 802810)
Torches - Torce - Torches - Sopletes - Brenner - Горелки AQUA = water cooled 	8m DX50 AQUA	-	-	-	AQUA VERSION(*) ST18A Green line ☐ 742620 POT** (+ device ☐ 802810)
Grey Cerium Tungsten Electrodes - Electrodi tungsteno ceriato grigio - Electrodes gris tungstène -cerium - Electrodoos tungsteno gris - Graue Zeriumwolfram Elektroden - вольфрамовые электроды с церием серого цвета DC	0 1 ☐ 802220 0 1,6 ☐ 802222 10 PCS	0 1 ☐ 802220 0 1,6 ☐ 802222 0 2,4 ☐ 802232 0 3,2 ☐ 802233 10 PCS	0 1 ☐ 802220 0 1,6 ☐ 802222 0 2,4 ☐ 802232 0 3,2 ☐ 802233 10 PCS	0 1 ☐ 802220 0 1,6 ☐ 802222 0 2,4 ☐ 802232 10 PCS	0 1 ☐ 802220 0 1,6 ☐ 802222 0 2,4 ☐ 802232 0 3,2 ☐ 802233 10 PCS
Green Pure Tungsten Electrodes - Electrodi tungsteno puro verde - Electrodes verts tungstène pur - Electrodoos tungsteno puro verde - Grüne Reinwolframelektroden - чисто вольфрамовые зеленые электроды AC	-	0 1 ☐ 802234 0 1,6 ☐ 802235 0 2,4 ☐ 802236 10 PCS	☐ 222 0 1 ☐ 802234 0 1,6 ☐ 802235 0 2,4 ☐ 802236 0 3,2 ☐ 802237 0 4 ☐ 802238 10 PCS	-	☐ 252 0 1 ☐ 802234 0 1,6 ☐ 802235 0 2,4 ☐ 802236 0 3,2 ☐ 802237 0 4 ☐ 802238 10 PCS
Electrode Diffusers - Diffusori elettrodo - Diffuseurs pour électrode - Difusores para electrodo - Elektrodendifusores - диффузоры электрода 	0 1 ☐ 802226 0 1,6 ☐ 802228 3 PCS	0 1 ☐ 802249 0 1,6 ☐ 802250 0 2,4 ☐ 802251 3 PCS	0 1 ☐ 802249 0 1,6 ☐ 802250 0 2,4 ☐ 802251 0 3,2 ☐ 802252 0 4 ☐ 802253 3 PCS	0 1 ☐ 802249 0 1,6 ☐ 802250 0 2,4 ☐ 802251 3 PCS	0 1 ☐ 802249 0 1,6 ☐ 802250 0 2,4 ☐ 802251 0 3,2 ☐ 802252 0 4 ☐ 802253 3 PCS
Electrode Holders - Pinze serra elettrodo - Pinces porte-electrode - Pinzas porta electrodo - Elektrodenhalter - зажимы электрода 	0 1 ☐ 802223 0 1,6 ☐ 802225 3 PCS	0 1 ☐ 802239 0 1,6 ☐ 802240 0 2,4 ☐ 802241 3 PCS	0 1 ☐ 802239 0 1,6 ☐ 802240 0 2,4 ☐ 802241 0 3,2 ☐ 802242 0 4 ☐ 802243 3 PCS	0 1 ☐ 802239 0 1,6 ☐ 802240 0 2,4 ☐ 802241 3 PCS	0 1 ☐ 802239 0 1,6 ☐ 802240 0 2,4 ☐ 802241 0 3,2 ☐ 802242 0 4 ☐ 802243 3 PCS
Ceramic nozzles - Ugelli ceramico - Becs céramique - Inyectores ceramicos - Keramische Düsen - керамические сопелы 	N° 4 ☐ 802229 N° 5 ☐ 802230 N° 6 ☐ 802231 10 PCS	N° 4 ☐ 802244 N° 6 ☐ 802245 N° 7 ☐ 802246 10 PCS	N° 4 ☐ 802244 N° 6 ☐ 802245 N° 7 ☐ 802246 N° 8 ☐ 802247 10 PCS	N° 4 ☐ 802244 N° 6 ☐ 802245 N° 7 ☐ 802246 10 PCS	N° 4 ☐ 802244 N° 6 ☐ 802245 N° 7 ☐ 802246 N° 8 ☐ 802247 N° 10 ☐ 802248 10 PCS
Consumables Kit For Tig Torch - Kit Consumabili Torcia Tig - Kit Consommables Torche Tig - Kit Consumables Antorcha Tig - Verbrauchsmaterialienkit WIG Brenner - Потребляемых для горелки Tig	-	x ST17 ☐ 804138	x ST26 ☐ 804138	x ST26 ☐ 804138	x ST26 ☐ 804138

PLASMA ACCESSORIES



PRODUCTS ACCESSORIES	INFINITY PLASMA 40, TECHNOLOGY PLASMA 41 XT, 60 XT	TECHNOLOGY PLASMA 54 XT KOMPRESSOR	SUPERIOR PLASMA 70	SUPERIOR PLASMA 100 SUPERIOR PLASMA 160	SUPERIOR PLASMA 70 SUPERIOR PLASMA 100 SUPERIOR PLASMA 160
Torches - Torce - Torches - Sopletes - Brenner - Горелки	MANUAL PH 4 m □ 40 □ 742685 4 m □ 41 XT, 60 XT □ 804155	PK 4 m □ 54 K XT □ 804156	PV 6 m □ 804041	PX 6 m □ 802965 12 m □ 802973	
AUTOMATIC	-	-	-	-	PX A 12 m □ 802955
Starter Kit - Starter Kit - Kit Consumables - Kit De Inicio - Starter Kit - Стартовый Комплект CONTENTS: shield • safety cup • nozzle • electrode • diffuser	-	-	-	45A □ 802958 65A □ 802959 85A □ 802960 105A □ 802961 125A □ 160 □ 802966 150A □ 160 □ 802956 □ 100 (85A-105A) □ 804906 □ 160 (105A 125A 150A) □ 804907	45A □ 802879 65A □ 802880 85A □ 100, 160 □ 802881 105A □ 100, 160 □ 802882 125A □ 160 □ 802886
Shield - Schermo - Bouclier - Protección - Schütz - Экрано		-	□ 804050 2 PCS	45A - 85A □ 802963 100A - 150A □ 802964 2 PCS	ACCURCUT 45A □ 804316 45A - 85A □ 802884 100A - 125A □ 100, 160 □ 802885 2 PCS
Prolonged Shield - schermi prolungati - écrans prolongées - protecciones prolongadas - verlängert. Schütz - длинные экраны		-	□ 804051 2 PCS	-	-
Gouging Shield - Schermo Scriccatura - Bouclier Décricage - Protección Torchado - Fugenhobeln Schütz - Экранов Для Плазменной Резки		-	45A □ 804061 3 PCS	125A □ 804016 3 PCS	-
Nozzles - Ugelli - Buses - Toberas - Düsen - Соплы	2 KIT □ 802423 □ 60 □ 804157 5 PCS	□ 802423 5 PCS	20-50A □ 804045 70A □ 804047 5 PCS	45A □ 802892 65A □ 802893 85A □ 802894 105A □ 802895 125A □ 160 □ 802896 150A □ 160 □ 802957 5 PCS	ACCURCUT 45A □ 804315 45A □ 802892 65A □ 802893 85A □ 100, 160 □ 802894 105A □ 100, 160 □ 802895 125A □ 160 □ 802896 5 PCS
Long nozzles - Ugelli prolungati - Buses prolongées - Toberas prolongados - Verlängerte Düsen - Удлиненные Соплы	2 KIT □ 802429 5 PCS	-	20-50A □ 804046 70A □ 804048 5 PCS	-	-
Gouging Nozzles - Ugelli Scriccatura • Buses Décricage • Inyectores Torchado • Fugenhobeln Düsen • Сопел Для Плазменной Резки	2 KIT □ 60 □ 804167 5 PCS	-	45A □ 804062 5 PCS	125A □ 804017 5 PCS	-
Electrodes - Elettrodi - Electrodes - Electrods - Elektroden - Электроды	2 KIT □ 802420 5 PCS	□ 802420 5 PCS	□ 804042 5 PCS	45A - 150A □ 802889 5 PCS	45A - 150A □ 802889 5 PCS
Long electrodes - Elettrodi prolungati - Electrodes prolongées - Electrods prolongados - Verlängerte Elektroden - Удлиненные Электроды	2 KIT □ 802428 5 PCS	-	□ 804043 5 PCS	-	-
Torch Safety Caps - Puntali torcia - Embouts torche - Puntales soplete - Stösselschaften - Наконечники орелки	2 KIT □ 802425 2 PCS	□ 802485 2 PCS	□ 804049	45A - 85A □ 802887 100A - 150A □ 802890	45A - 85A □ 802887 100A - 150A □ 100, 160 □ 802890
Insulating Diffusers - Diffusori isolanti - Diffuseurs isolants - Difusores aislantes - Isolierte Diffusoren - Изолирующие диффузоры	2 KIT □ 802422 5 PCS	-	□ 804044 2 PCS	45A - 85A □ 802888 100A - 150A □ 802891 2 PCS	45A - 85A □ 802888 100A - 150A □ 100, 160 □ 802891 2 PCS
OR Rings - Anelli OR - Anneaux OR - Tornillos OR - OR Ringen - Кольца OR	2 KIT -	-	□ 804052 10 PCS	□ 804053 10 PCS	□ 804053 10 PCS
Magnetic guides - Guide magnetiche - Rayures magnétiques - Guías magnéticas - Magnetisierungen - Магнитная направляющая	□ 802143	□ 802143	-	-	-
Circular cutting units - Unità circolari di taglio - Unités de decoupage circulaire - Unidades de corte circular - Rundschneidanlage - Круговое Устройство Резки		□ 804169	-	□ 804059	-
Consumables Kit - Kit Consumabili - Kit Consommables - Kit Consumibles - Verbrauchsmaterialienkit - Комплект потребляемых		x PH □ 41 □ 804117 x PH □ 60 □ 804189	x PK □ 804188	x PV □ 804108	-

SPOT WELDING ACCESSORIES



SMART INDUCTOR 5000



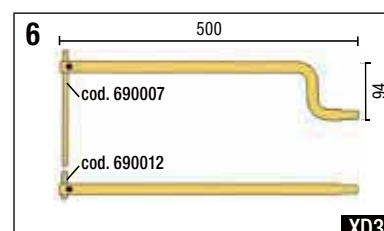
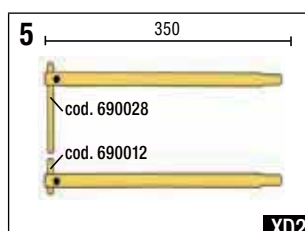
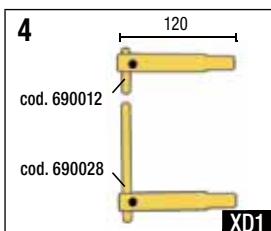
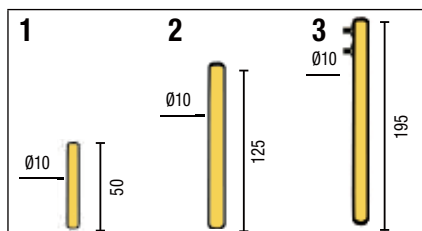
CONSUMABLES FOR HEAT TWISTER:

1		Kit 2 Twister 10V M8/M10	cod. 801413	2		Kit 2 Twister 10H M8/M10	cod. 801416	3		WIRES
		kit 2 Twister 14V M12/M14	cod. 801414			kit 2 Twister 14H M12/M14	cod. 801417			
		kit 2 Twister 18V M16/M18	cod. 801415			kit 2 Twister 18H M16/M18	cod. 801418			
VERTICAL				HORIZONTAL						

DIGITAL CAR SPOTTER



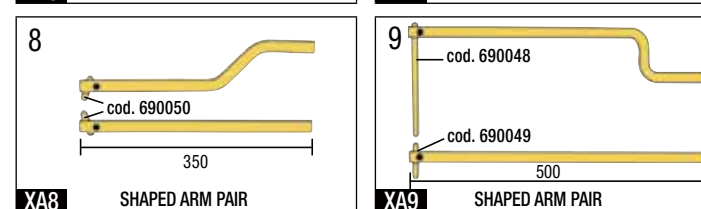
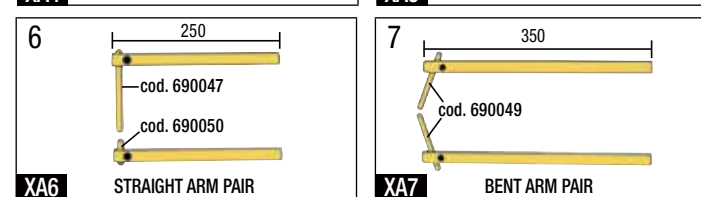
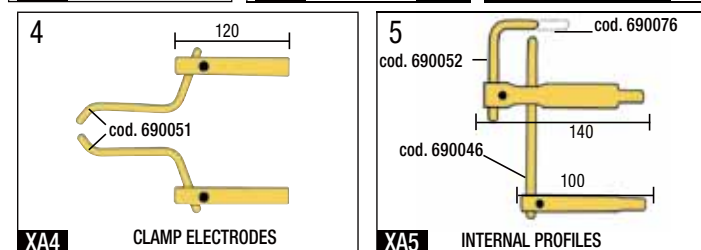
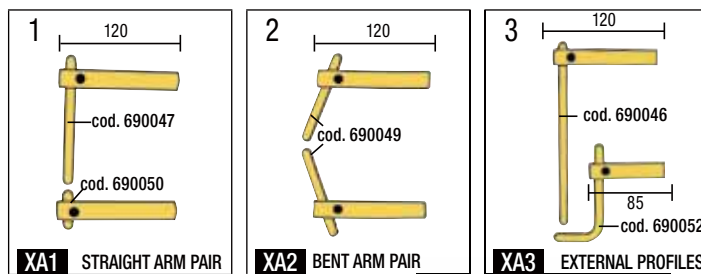
- | | | | | | |
|----|----------------|-------------|----|-----------------------------------|-------------|
| 1. | L=50 mm..... | cod. 690012 | 4. | XD1..... L=120 mm (standard)..... | cod. 803015 |
| 2. | L=125 mm | cod. 690028 | 5. | XD2..... L=350 mm | cod. 803017 |
| 3. | L=195 mm | cod. 690007 | 6. | XD3..... L=500 mm | cod. 803024 |



DIGITAL SPOTTER 7000, 9000 (AQUA) - MODULAR 20/TI - DIGITAL MODULAR - INVERSPOTTER

Arm pairs with electrodes - Coppie bracci con elettrodi - Deux bras avec électrodes - Par brazos con electrodos - Армапар mit Elektroden - Пара прямых кронштейнов с электродами

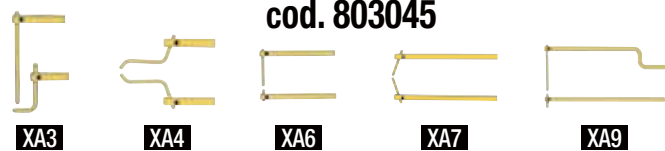
- cod. 801048 Digital Spotter 7000, 9000
- cod. 801086 Digital Spotter 9000 AQUA
- cod. 801063 Inverspotter
- Modular 20/TI
- Digital Modular 230-400



- | | | |
|----|----------------------------------|-------------|
| 1. | XA1.....L=120 mm (standard)..... | cod. 803151 |
| 2. | XA2.....L=120 mm | cod. 803150 |
| 3. | XA3.....L=120 mm | cod. 803158 |
| 4. | XA4.....L=120 mm | cod. 803155 |
| 5. | XA5.....L=140 mm | cod. 803159 |
| 6. | XA6.....L=250 mm | cod. 803152 |
| 7. | XA7.....L=350 mm | cod. 803153 |
| 8. | XA8.....L=350 mm | cod. 803154 |
| 9. | XA9.....L=500 mm | cod. 803156 |

BASIC ARMS KIT - SERIE BRACCI BASE - KIT BRAS BASE - KIT BRAZOS BASE - GRUNDARMEN KIT - КОМПЛЕКТ БАЗОВЫХ КРОНШТЕЙНОВ

cod. 803045



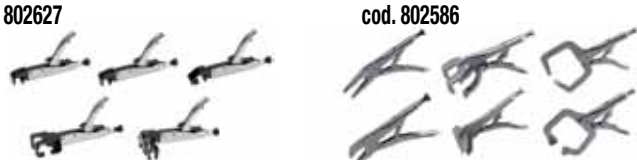
DENT REPAIR AUTOMOTIVE ACCESSORIES

Pag.49

AUTOMOTIVE WELDING CLAMPS

cod. 802627

cod. 802586



SPOT WELDING ACCESSORIES



INVERSPOTTER 13500 SMART AQUA - 14000 SMART AQUA

WATER COOLED ARMS

1. CA1 STD... L= 95 mmcod. 803169
2. CA2 L= 95 mmcod. 803170
3. CA3 L=300 mmcod. 803171
4. CA4 L=550 mmcod. 803172
5. CA5 L= 42 mmcod. 803181
6. CA6 L= 430 mmcod. 803187
7. SharkA7...L= 635 mmcod. 803189

ELECTRODES



- a. L= 18 mmcod. 690130
- b. L= 18 mmcod. 690132
- c. L= 25 mmcod. 690166

PRODUCTS	INVERSPOTTER 13500 SMART AQUA	INVERSPOTTER 14000 SMART AQUA
ARMS		
CA1	b	a
CA2		a
CA3		a
CA4		a
CA5		c
CA6		a
SHARK A7		a
CMKA	•	•

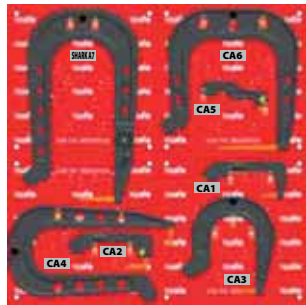
ARM WALL ORGANIZER KIT

cod. 803106 (2 pcs) 600x600mm



cod. 803106 (2 pcs)

=



cod. 803106 (2 pcs)

CAPS MAINTENANCE KIT AQUA



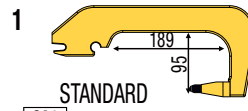
CMKA AQUA
cod. 802767

GREASE

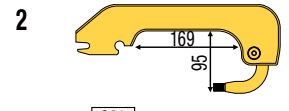


cod. 321132

ARMS



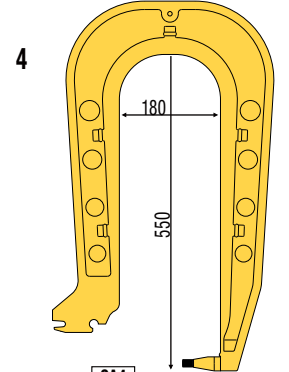
CA1



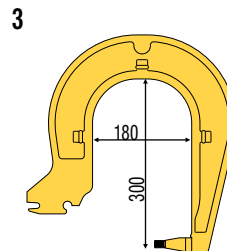
CA2



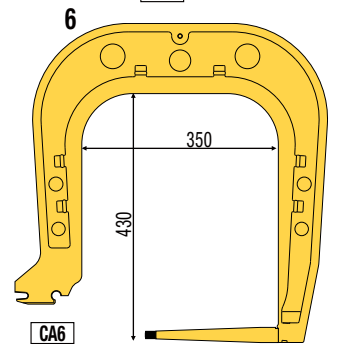
x CA1
cod. 802868



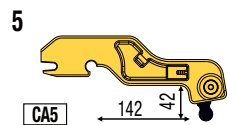
CA4



CA3



CA6

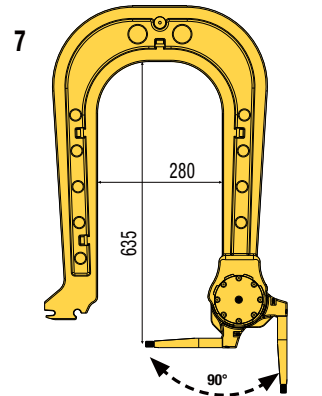


CA5



x CA5
cod. 804241
NEW

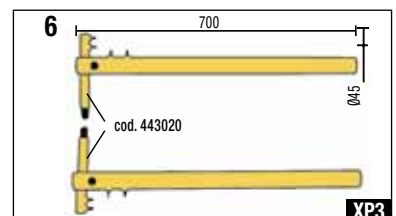
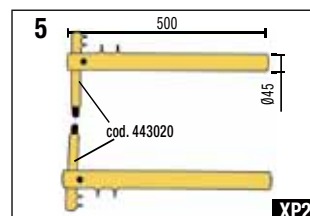
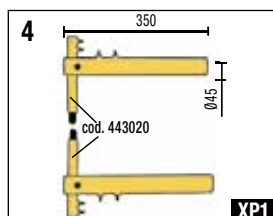
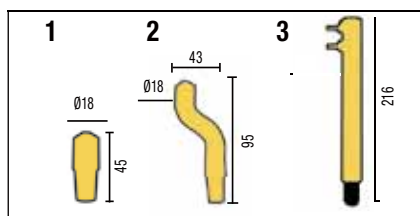
KIT CURVED ELECTRODE CA5



SHARK A7

PTE LCD - PCP LCD

1. L=45 mm (standard)cod. 690035
2. L=95 mmcod. 690036
3. L=216 mm (standard)cod. 443020
4. XP1.... L=350 mm (standard).....cod. 803100
5. XP2.... L=500 mmcod. 803101
6. XP3.... L=700 mmcod. 803102



V_{PH}	EN Mains voltage IT Tensione di rete FR Tension de secteur ES Tensión de red DE Netzspannung RU Напряжение сети PT Tensão de rede NL Netspanning SV Nätspänning AR جهد الشبكة	JFL	EN Invert er frequency IT Frequenza inverter FR Fréquence inverter ES Frecuencia inverter DE Inverter Frequenz RU Частота инвертера PT Frequência inversor NL Frequentie inverter SV Omriktarens utfrekvens AR تردد المحول
V_{DC}	EN Dc available voltage IT Tensione disponibile in DC FR Tension disponible en DC ES Tension disponible in DC DE Dc verfügbare Spannung RU Доступное напряжение в режиме постоянного тока PT Tensão disponível em DC NL Spanning beschikbaar in DC SV Tillgänglig DC-spänning AR الجهد المتاح عند التيار المستمر	V_{IN}	EN Input voltage IT Tensione in ingresso FR Tension en entrée ES Tensión de entrada DE Eingangsspannung RU Напряжение на входе PT Tensão de entrada NL Ingangsspanning SV Inspänning AR الجهد في الدخل
A_{60% MAX}	EN Absorbed current IT Corrente assorbita FR Courant absorbee ES Corriente absorbida DE Stromaufnahme RU поглощенный ток PT Corrente absorvida NL Stroomopname SV Strömförbrukning AR التيار الممتص	V₀	EN Max. no load voltage IT Tensione a vuoto max. FR Tension a vide max. ES Tension en vacío max. DE Leerlaufspannung RU Макс. холостое напряжение PT Tensão em vazio max. NL Max. spanning leeg SV Max tömgångsspänning AR قدرة البطارية
A_{MAX}	EN Max. current IT Corrente massima FR Courant max. ES Corriente máx. DE Max. Strom RU Максимальный ток PT Corrente máxima NL Maximum stroom SV Maximal ström AR أقصى تيار	V_{OUT}	EN Output voltage IT Tensione di uscita FR Tension de sortie ES Tensión de salida DE Ausgangsspannung RU Напряжение на выходе PT Tensão de saída NL Uitgangsspanning SV Utspänning AR جهد الخروج
A_{1V/C}	EN Rated charge current IT Corrente di carica convenzionale FR Courant conventionnel de charge ES Corriente de carga convencional DE Konventionalsladestrom RU ток конвенционального заряда PT Corrente de carga convencional NL Stroom van conventioneel laden SV Ström för normal laddning AR تيار الشحن المدعوم EN 60335-2:29 1 V/C		EN Charge/starter voltage IT Tensione di carica/avviamento FR Tension de charge et de démarrage ES Tensión de carga y de puesta en marcha DE Auflade und Anlassspannung RU Напряжение заряда/запуска PT Tensão de carga/acionamento NL Spanning laden /start SV Laddnings-/startspänning AR جهد الشحن/التشغيل
A_{START MAX}	EN Starting peak current IT Corrente di picco in avviamento FR Courant de pic en démarrage ES Corriente máxima de puesta en marcha DE Startspitzenstrom RU Пиковый ток пуска PT Corrente de pico em accionamento NL Piekstroom in start SV Toppström vid start AR أقصى حد للتيار عند التشغيل	A_b	EN Battery capacity IT Capacità della batteria FR Capacité de la batterie ES Capacidad de la batería DE Kapazität der Batterie RU Макс. холостое напряжение PT Capacidade da bateria NL Capaciteit van de batterij SV Kapacitet på batteriet AR قدرة البطارية
A_{EN}	EN Rated charge current IT Corrente di carica convenzionale FR Courant conventionnel de charge ES Corriente de carga convencional DE Konventionalsladestrom RU ток конвенционального заряда PT Corrente de carga convencional NL Stroom van conventioneel laden SV Ström för normal laddning AR تيار الشحن المدعوم EN 60335-2:29	Ø_{DC MIN/MAX}	EN MMA Electrode diameter IT Diametro elettrodi MMA FR Diamètre électrodes MMA DE Diámetro electrodos MMA DE MMA Elektroden Durchmesser RU Диаметр электрода MMA PT Diâmetro electrodos MMA NL Diameter elektroden MMA SV Diameter MMA-elektroder قطر السلك الألمونيوم
A_{EFF}	EN Charge current IT Corrente di carica efficace FR Courant de charge ES Corriente de carga DE Ladestrom RU ток эффективного заряда PT Corrente de carga eficaz NL Stroom van efficiënt laden SV Ström för effektiv laddning AR تيار الشحن الفعال	Ø_{AL}	EN Aluminium welding wire diameter IT Diametro filo di saldatura alluminio FR Diamètre fil de soudage aluminium ES Diámetro hilo de soldadura aluminio DE Aluminium Schweissdraht Durchmesser RU Диаметр проволоки для сварки алюминия PT Diâmetro do fio de soldadura do alumínio NL Diameter aluminium lasdraad SV Diameter på svetstråd aluminium قطر السلك الألمونيوم لالة اللحام
A_{MAX 40°C}	EN Max. current IT Corrente massima FR Courant max. ES Corriente máx. DE Max. Strom RU Максимальный ток PT Corrente máxima NL Maximum stroom SV Maximal ström AR أقصى تيار EN 60335-2:29 40°C	Ø_{BZ}	EN Brazing wire diameter IT Diametro filo per brasatura FR Diamètre fil pour brasage ES Diámetro hilo de cobresoldadura DE Lötendraht Durchmesser RU Диаметр проволоки для пайки PT Diâmetro do fio para brasagem NL Diameter draad voor hardsolderen SV Diameter på svetstråd för lödning AR قطر السلك الخاص باللحام بالحراوة
A_{60% 40°C}	EN Current at 60% IT Corrente al 60% FR Courant au 60% ES Corriente al 60% DE Strom bei 60% RU ток на 60% PT Corrente a 60% NL Stroom aan 60% SV Ström vid 60% AR التيار عند 60%	Ø_{FX}	EN Flux welding wire diameter IT Diametro filo saldatura animato FR Diamètre fil de soudage fourre ES Diámetro hilo de soldadura haima DE Füll-Schweissdraht Durchmesser RU Диаметр проволоки для сварки порошковой проволокой PT Diâmetro do fio de soldadura com alma NL Diameter gevulde lasdraad SV Diameter på fylld svetstråd AR قطر سلك لحام المتحرك
A_{MIN MAX}	EN Current range IT Campo regolazione corrente FR Plage de réglage courant ES Campo de regulación corriente DE Regelbereich RU Диапазон регулирования тока PT Campo regulação corrente NL Veld regeling stroom AR Område för inställning av växelström AR مجال ضبط التيار	Ø_{SS}	EN Stainless steel welding wire diameter IT Diametro filo saldatura inox FR Diamètre fil de soudage inox ES Diámetro hilo de soldadura acero inoxidable DE Edelstahl Schweissdraht Durchmesser RU Диаметр проволоки для сварки нержавеющей стали PT Diâmetro do fio de soldadura inox NL Diameter roestvrije lasdraad SV Diameter på svetstråd inox قطر سلك لحام الاستنلس ستيل
A_{OUT}	EN Output current IT Corrente di uscita FR Courant de sortie ES Corriente de salida DE Ausgangsstrom RU ток выхода PT Corrente de saída NL Uitgangsstrom SV Corrente di uscita AR تيار الخروج	Ø_{ST}	EN Steel welding wire diameter IT Diametro filo saldatura acciaio FR Diamètre fil de soudage acier ES Diámetro hilo de soldadura acero DE Stahl Schweissdraht Durchmesser RU Диаметр проволоки для сварки стали PT Diâmetro do fio de soldadura aço NL Diameter stalen lasdraad SV Diameter på svetstråd stål AR قطر سلك لحام الصلب
P_{60% MAX}	EN Absorbed power IT Potenza assorbita FR Puissance absorbée ES Potencia absorbida DE Leistungsaufnahme RU Поглощенная мощность PT Potência absorvida NL Geabsorbeerd vermogen SV Absorberad effekt AR القدرة		EN Mains fuse IT Fusibile di rete FR Fusible au reseau ES Fusible de red DE Netzsicherung RU Предохранитель сети PT Fusível de rede NL Netzekering SV Nätsäkring AR فيوز الشبكة
P_{50%}	EN Absorbed power at 50% IT Potenza assorbita al 50% FR Puissance absorbée à 50% ES Potencia absorbida al 50% DE Leistungsaufnahme bei 50% RU Поглощенная мощность на 50% PT Potência absorvida al 50% NL Geabsorbeerd vermogen aan 50% SV Absorberad effekt vid 50% AR القدرة الممتصة عند 50%		EN Max electrode force IT Forza massima agli elettrodi FR Force max. électrodes ES Fuerza max electrodos DE Max Elektrodenkraft RU Максимальная сила на электродах PT Força máxima aos electrodos NL Maximum kracht naar de elektroden SV Maximal kraft på elektroder AR أقصى قوة للاقطاب الكهربائية
P_{MAX}	EN Max. absorbed power IT Potenza assorbita max. FR Puissance max. absorbée ES Potencia absorbida máx. DE Max. Leistungsaufnahme RU Макс. поглощенная мощность PT Potência absorvida máx. NL Max. geabsorbeerd vermogen SV Maximal absorberad effekt AR أقصى قدرة ممتصة		EN Arms projection IT Sporgenza bracci FR Dimensions Bras ES Largo de los brazos DE Armausladung RU Выступ гнеч PT Projecção braços NL Uitstekend gedeelte armen SV Utsprång armar AR بروز الأزرع
P_{C/S}	EN Charge/Start absorbed power IT Potenza assorbita carica/avviamento FR Puissance absorbée de charge et de démarrage ES Potencia absorbida de carga y de puesta en marcha DE Leistungsaufnahme Auflade/Start RU Поглощенная мощность заряда/запуска PT Potência absorvida de carga/acionamento NL Geabsorbeerd vermogen laden/start SV Absorberad effekt Laddnings/start AR		EN Max. spot-welding thickness on two sides IT Spessore massimo puntatura 2 lati FR Epaisseur de pointage max. de 2 côtés ES Espesor máx. de punteado sobre 2 lados DE Max. Punktschweißdicke von 2 Seiten RU Максимальная толщина контактной сварки с 2 сторон PT Espessura máxima soldadura por pontos 2 lados NL Maximum dikte puntlassen 2 kanten SV Maximal tjocklek häftsvetsning 2 sidor AR أقصى سمك لمن اللحام ذو الحدين
P	EN Power IT Potenza FR Puissance ES Potencia DE Leistung RU мощность PT Potência NL Vermogen SV Effekt AR القدرة		EN Adjustment positions IT Posizioni di regolazione FR Positions de réglage ES Posiciones de regulación DE Schaltstufen RU Положение регулирования PT Posições de regulação NL Standen van regeling SV Justeringslägen AR أوضاع الضبط
P_{DC}	EN DC available power IT Potenza disponibile in DC FR Puissance disponible en DC ES Potencia disponible en DC DE DC verfügbare Leistung RU Доступная мощность в режиме постоянного тока PT Potência disponível em DC NL Vermogen beschikbaar in DC SV Tillgänglig DC-effekt AR القدرة المتاحة عند التيار المستمر		EN Datum created by Telwin, not included in the EN 60974-1 IT Dato ideato da Telwin, non presente nella EN 60974-1 FR Donnée crée par Telwin, non incluse dans la EN 60974-1 ES Dato ideado por Telwin, no presente en la EN 60974-1 DE Von Telwin geschaffener Wert, der nicht zur Norm EN 60974-1 gehört RU Это значение было придумано Telwin, оно отсутствует в стандарте EN 60974-1 PT Dado estudado por Telwin, não presente na EN 60974-1 NL Gegeven bedacht door Telwin, niet aanwezig in de EN 60974-1 SV Värdet har fastställts av Telwin och förekommer ej i EN 60974-1 AR EN 60974-1
P_{GEN}	EN Min. motorgenerator power IT Potenza min. generatore FR Puissance min. motogénérateur ES Potencia min. motogenerador DE Min. Generatoraggregate leistung RU Минимальная мощность генератора PT Potência min. gerador NL Min. vermogen generator SV Generatorns minimeffekt AR الحد الأدنى من القدرة المتاحة للمولد	TELWIN %USE 20°C	
P_{MAX OUT}	EN Maximum output power IT Potenza massima in uscita FR Puissance maximale en sortie ES Potencia máxima en salida DE Höchstleistung am Ausgang RU Максимальная выходная мощность PT Potência max saída NL Maximum vermogen in uitgang SV Maximal utgångseffekt AR الحد الأقصى لإنتاج وقود	DUTY CYCLE	EN Duty cycle IT Rapporto di intermittenza FR Facteur de marche ES Ciclo de servicio DE Einschaltdauer RU Соотношение прерывистости PT Relação de intermitência NL Verhouding van intermittentie SV Intermittensförhållande AR نسبة التناوب
Ah_{MIN/MAX}	EN Rated reference capacity IT Capacità nominale di riferimento FR Capacité nominale de référence ES Capacidad nominal de referencia DE Einheitsnennleistung RU Объем резервуара PT Capacidade nominal de referência NL Nominale referentiecapieteit SV Nominell referenskapacitet AR السعة الاسمية التي يتم الرجوع إليها	C	EN Carry case: cardboard, plastic, aluminium IT Valigetta: cartone, plastica, alluminio FR Mallette: carton, plastique, aluminium ES Maleta: cartón, plástico, aluminio DE Koffer: Karton, Kunststoff, Aluminium RU Чемоданчик: картон, пластик, алюминий PT Estojo: cartão, plástico, alumínio NL Doos: karton, plastic, aluminium SV Väska: kartong, plast, aluminium حقيبة: ورق مقوى، بلاستيك، ألومنيوم
F_{OUT}	EN Output frequency IT Frequenza di uscita FR Fréquence de sortie ES Frecuencia de salida DE Ausgangsfrequenz RU Частота выхода PT Frequência de saída NL Uitgangsfrequentie SV Utfrekvens AR تردد الخروج	AL	EN Welding accessories IT Accessori di saldatura FR Accessoires de soudage ES Accesorios de soldadura DE Schweißzubehör RU Принадлежности для сварки PT Acessórios para soldadura NL Toebehoren voor het lassen SV Svetstillbehör AR كماليات اللحام
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