

TELWIN[®]
JOIN THE INNOVATION



General Catalogue
2018

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 50 years!

Da oltre 50 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 ISO 9001:2008 and BSI OHSAS 18001:2007.

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 ISO 9001:2008 e BSI OHSAS 18001:2007.

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** ISO 9001:2008 et BSI OHSAS 18001:2007.

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** ISO 9001:2008 y BSI OHSAS 18001:2007.

DE

Telwin ist **Leader auf allen 5 Kontinenten**, in mehr als 120 Ländermärkten. 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 ISO 9001:2008 und BSI OHSAS 18001:2007 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 ISO 9001:2008 и BSI OHSAS 18001:2007.



s here.



JOIN THE INNOVATION



Telwin Quality: get the best for your job!

Qualità Telwin: il meglio per il tuo lavoro!



Company



Products



Approved by

Mercedes Benz



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EMF SAFE WITH TELWIN PRODUCTS

ALL TELWIN'S PRODUCTS COMPLY WITH THE NEW CE MARKING THANKS TO THE EMF DECLARATIONS OF CONFORMITY.

- EN| The publication of the standard EN 50445:2008 (product family standard to demonstrate compliance of equipment for resistance welding, arc welding and allied processes with the basic restrictions related to human exposure to electromagnetic fields) under the Low Voltage Directive LVD 2014/35/EU – published on the Official Gazette of the European Community, requires that each product, in order to be CE certified, has to satisfy the technical standards of the above described norm.
This means that today the CE marking requires a further certification. Telwin certifies that all its products are in compliance with the new CE marking as reported in the EMF Conformity Certificates.
- IT| La normativa EN 50445:2008 (standard volto a dimostrare la rispondenza di apparecchiature per la saldatura a resistenza, arco e processi affini, al soddisfacimento dei limiti relativi all'esposizione umana ai campi elettromagnetici) recepita nella Direttiva Bassa Tensione LVD 2014/35/EU con pubblicazione nella Gazzetta Ufficiale della Comunità Europea, richiede che ogni prodotto, per essere certificato CE, soddisfi gli standard tecnici della norma sopra descritta. Questo significa che oggi la marcatura CE richiede una ulteriore certificazione. Telwin certifica che tutti i prodotti sono conformi alla nuova marcatura CE grazie alle Dichiarazioni di Conformità EMF.
- FR| L'exécution des normes EN 50445:2008 (indiquant la conformité des appareils de soudage par résistance, à arc et procédés liés, et la conformité des limites relatives à l'exposition humaine aux champs électromagnétiques) dans la Directive Basse Tension LVD 2014/35/EU publiées par la Gazette Officielle de la Communauté Européenne impose que tous les produits soient conformes aux normes techniques décrites plus haut pour être certifiés CE. Ce e qui implique ce qui suit le marquage CE exige désormais une certification supplémentaire. Telwin certifie que tous ses produits sont conformes au nouveau marquage CE grâce à la déclaration de conformité EMF.
- ES| La transposición de la normativa en 50445:2008 (norma para demostrar la correspondencia de aparatos para la soldadura de resistencia, arco y procesos afines para el cumplimiento de los límites relativos a la exposición humana a los campos electromagnéticos) en la Directiva de Baja Tensión LVD 2014/35/EU con publicación en el Diario Oficial de la Comunidad Europea, requiere que todos los productos, para ser certificados CE, cumplan los requisitos técnicos de la norma antes descrita. Esto significa que hoy el marcado CE requiere una ulterior certificación. Telwin certifica que todos los productos son conformes al nuevo marcado CE gracias a las declaraciones de conformidad EMF.
- DE| Die Aufnahme der EN 50445:2008 Norm (Produktfamilienorm zur Konformitätsprüfung von Einrichtungen zum Widerstandsschweißen, Lichtbogenschweißen und artverwandten Prozessen in Bezug auf die bei der Exposition durch elektromagnetische Felder anzuwendenden Basisgrenzwerte) in die LVD 2014/35/EU Niederspannungsrichtlinie mit Veröffentlichung im Amtsblatt der Europäischen Gemeinschaft verlangt, daß jedes Produkt die technischen Standards der o.g. Norm erfüllt, um CE-zertifiziert zu werden. Das bedeutet wie folgt zur CE-Kennzeichnung ist nun eine weitere Zertifizierung erforderlich. Telwin zertifiziert durch seiner EMF Konformitätserklärungen, daß alle Produkte der neuen CE-Kennzeichnung gemäß sind.
- RU| Включение стандарта EN 50445:2008 (стандарт для показа соответствия оборудования для сварки сопротивлением, дуговой сварки и связанным процессам с основными ограничениями, относящимися к воздействию на человека электромагнитных полей) в директиву по низковольтным устройствам LVD 2014/35/EU и ее публикация в официальном издании Европейского Сообщества, привело к тому, что для получение сертификата CE на любое изделие, оно должно соответствовать указанным выше техническим стандартам. Это означает, что сегодня для получения маркировки CE необходимо пройти еще одну сертификацию. Компания Telwin удостоверяет соответствие всей продукции новым требованиям маркировки CE благодаря декларации о соответствии электромагнитных полей (EMF).



ELEMENTS

LINE



EN

Elements is the new range of welding machines, chargers & starters created by Telwin for the DIY experts, for the most demanding handymen and for the professionals looking for easy to use, safe, high quality products.

IT

Elements è la nuova gamma di saldatrici e caricabatterie/avviatori creata da Telwin per gli esperti del fai da te, i bricoleur più esigenti, i professionisti alla ricerca di prodotti semplici da utilizzare, sicuri, di qualità.

FR

Elements est la nouvelle gamme de postes de soudage et de chargeurs de batteries / démarreurs créée par Telwin pour les experts du bricolage, même les plus exigeants, les professionnels à la recherche de produits simples à utiliser, sûrs, de qualité.

ES

Elements es la nueva gama de soldadoras, cargadores de baterías y arrancadores creada por Telwin para los expertos del bricolaje, los aficionados más exigentes y los profesionales que buscan productos sencillos para utilizar, seguros y de calidad.

DE

Elements heißt das neue Programm, zu dem Schweißmaschinen sowie Batterieladegeräte und Starter gehören, geschaffen von Telwin für erfahrene und anspruchsvollste Heimwerker, Bastler und Profis, die benutzungsfreundliche, sichere und hochwertige Produkte suchen.

RU

Линейка Элементы является новым модельным рядом сварочных аппаратов и зарядных устройств / стартеров, созданным Telwin для специалистов DIY, самых требовательных мастеров на все руки и профессионалов, которые ищут простые в использовании товары, безопасные и высокого качества.

Which
element
are you?

Discover it!

MMA
WELDING



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MIG-MAG
WELDING



pag. 9

TIG
WELDING



pag. 9

CHARGING



pag. 11

CHARGING
& STARTING



pag. 11

TELWIN®

MMA Electrode Welding



ELEMENTS LINE inverter



A Infinity 120

B Infinity 150



C Infinity 170

D Infinity 180

E Infinity 220

F Infinity 228 CE

OPTIONAL

TIG WELDING KIT <p>801097 CDEF</p>	GAS REGULATOR <p>722119 CDEF</p>	MMA - MIG/MAG TIG MASK <p>STREAM Automatic 802813 OTHER MASKS Pag. 17</p>	RUTILE ELECTRODES STEEL <p>0.6mm 15pcs 802616 0.2mm 15pcs 802617 0.25mm 15pcs 802618 0.32mm 10pcs 802619 0.4mm 8pcs 802620 BCDEF</p>	RUTILE ELECTRODES STAINLESS STEEL <p>0.25mm 10pcs 802623 0.32mm 8pcs 802624 BCDEF</p>	BASIC ELECTRODES STEEL <p>0.25mm 10pcs 802622 0.32mm 8pcs 802622 BCDEF</p>	RUTILE ELECTRODES IN BOX - STEEL <p>0.2mm 2.5 kg 802737 0.25mm 2.5 kg 802739 0.32mm 4 kg 802749 BCDEF</p>
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TECHNICAL DATA

		CODE	V _{PH}	A _{MIN} A _{MAX}	TELWIN 0/USE /O _{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}	η	φ _{DC} MIN/MAX	IP	W _↑ L _↓	kg	
			V (50-60Hz)	A		EN 60974-1 A	EN 60974-1 A	V	A	kW	kW	A	mm	mm	kg		
A	Infinity 120 + ACD	816078	230 1 ph	10÷80	50%@80A	80 5%	-	72	15	2,3	3	10	0,7 0,6	1,6 2,5	IP21	320 L 370 W 145 H	2,8
B	Infinity 150 + ACX	816079	230 1 ph	10÷130	60%@125A	125 7%	-	72	27	3,5	5	16	0,82 0,6	1,6 3,2	IP21	320 L 370 W 145 H	3,5
C	Infinity 170 + ACX	816080	230 1 ph	20÷150	-	140 25%	80	60	14 26	2 4	6	16	0,9 0,7	1,6 4	IP23	355 L 145 W 240 H	5,1
D	Infinity 180 + ACX	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
E	Infinity 220 + ACX	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
F	Infinity 228 CE + ACX	816084	230 1 ph	20÷200	-	200 35%	130	60	24 36	4 6	10	-	0,92 0,7	1,6 4	IP23	400 L 145 W 240 H	6,6

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX



A Marte 150



B Pratica 152

C Pratica 182

OPTIONAL



MMA - MIG/MAG TIG MASK



TIGER
802818
OTHER MASKS
Pag. 17

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

B C

C

RUTILE ELECTRODES IN BOX - STEEL



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

B C

GLOVES



802673

OTHER GLOVES
Pag. 89

TECHNICAL DATA



		CODE	V _{PH} V (50-60Hz)	A _{MIN/MAX} A	V _O V	P _{MAX} kW	A	Ø _{DC} MIN/MAX mm	IP	W _H L mm	kg
A	Marte 150	809039	230 1 ph	30÷100	47	2,5	16	1,6 2,5	IP21	315 L 175 W 250 H	11,3
B	Pratica 152	814160	230 1 ph	40÷130	48	2,5	16	1,6 3,2	IP21	310 L 170 W 250 H	13,6
C	Pratica 182	812015	230 1 ph	55÷180	48	2,5	-	2 4	IP21	365 L 170 W 255 H	15,9

TIG Welding



NEW **inverter**
ELEMENTS LINE
VRD
 VOLTAGE REDUCTION DEVICE

OPTIONAL

ELECTRODE HOLDER 25 mm ² 4m DX50 ☐ 713282	TIG TORCH 8m ST26 ☐ 742616	REMOTE CONTROLS 1 pot. ☐ 802219 2 pot. ☐ 802336 Pedal ☐ 802017	TROLLEY AMERICA ☐ 803074 STAINLESS STEEL TIG CLEANING KIT CLEANTECH 200 ☐ 850020
ARGON GAS BOTTLE GB-AU ADAPTOR GB-AU ☐ 432102	GAS REGULATOR ☐ 722119		



D Infinity TIG 225

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 _H / L	kg	
		V (50-60Hz)	A	EN 60974-1 A	EN 60974-1 A	V	A	kW	1/ cos φ	mm		mm	kg	
D	Infinity TIG 225 DC-HF/LIFT VRD+ACX	816089	230 1 ph	5÷200	200 25%	130	60	15 26	2,5 4,5	0,85 0,7	1,6 4	IP23	400 L 145 W 260 H	6

MIG-MAG Welding



E



F



FLUX ONLY



E Bimax 110 Automatic

F Bimax 140 Turbo

ELEMENTS LINE



OPTIONAL

MMA - MIG/MAG TIG MASK



TIGER
 ☐ 802818
 OTHER MASKS
 Pag. 17

STEEL KIT - GAS - Throwaway Bottle



☐ 802147 **F**

STEEL KIT - GAS - Refillable Bottle



☐ 802148 **F**

GAS CONNECTION KIT Throwaway Bottle



☐ 802032 **F**

GAS CONNECTION KIT Refillable Bottle



☐ 802708 **F**

STAINLESS STEEL KIT



☐ 802037 **F**

ALUMINIUM KIT



☐ 802036 **F**

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	P _{MAX} 60%	∅	cos φ	N°	∅ _{ST}	∅ _{SS}	∅ _{AL}	∅ _{FX}	IP	W _H / L	kg
		V (50-60Hz)	A	EN 60974-1 A	EN 60974-1 A	V	kW	A			mm	mm	mm	mm		mm	kg
E	Bimax 110 Automatic	821075	230 1 ph	55÷80	80 10%	-	27	10	0,9	2	-	-	-	0,8	IP21	355 L 175 W 300 H	12
F	Bimax 140 Turbo	821076	230 1 ph	50÷120	105 15%	50	30	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

D



A Maxima 160 Synergic

B Maxima 190 Synergic

ELEMENTS
LINE

inverter



C Maxima 200 Synergic

D Maxima 230 Synergic

NEW

ELEMENTS
LINE

inverter

MULTIPROCESS
MIG - MMA - TIG



MIG - MAG CONSUMABLES PAG.79

OPTIONAL

MMA - MIG/MAG
TIG MASKS



TRIBE
Automatic
802837

OTHER MASKS
Pag. 17

STEEL KIT - GAS -
Throwaway Bottle



802147

STEEL KIT - GAS -
Refillable Bottle



802148

GAS
CONNECTION KIT
Throwaway Bottle



802032

Refillable Bottle



802708

STAINLESS
STEEL KIT



802037

NAIL SPOT
WELDING KIT



802034

ALUMINIUM KIT



802036

802115

MIG-MAG TORCHES



4m MT15

742181

5m MT15

742182

722119

722341

722563

722563

ELECTRODE
HOLDER



713281

GAS
REGULATOR



4m ST9V

722563

722563

BRAZING WIRE



Use steel gas
accessories

Ø 0,8mm 0,8kg

CuSi₃ 802495

CuAl₁ 802496

TROLLEY
ARCTIC



803059

ABC

TROLLEY
AMERICA



803074

ABC

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{60%}	V ₀	A _{60%}	P _{60%}	η	cos φ	EST	SS	AL	FX	BZ	DC	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	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	-	IP23	450 L 235 W 370 H	11
D	Maxima 230 Synergic	816088	230 1 ph	20-220	180 20%	100	50	15 31	2,2 4,9	-	0,85 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	22

CHARGING & STARTING



ELEMENTS
LINE
Tronic



E Touring 11

F Touring 15

G Touring 18

6V 12V **E**
12V 24V **F G**



ELEMENTS
LINE
Tronic



H Alaska 150 Start

I Alaska 200 Start

12V **H**
12V 24V **I**

2 IN 1: CHARGE & START!



ELEMENTS
LINE

OPTIONAL

FUSE KIT 10 PCS



- 802859 **E**
- 802255 **F**
- 802256 **G**

FUSE KIT 20 PCS



- 802259 **J**
- 802260 **K**
- 802029 **L**

J Sprinter 3000 Start

K Sprinter 4000 Start

L Sprinter 6000 Start

12V 24V

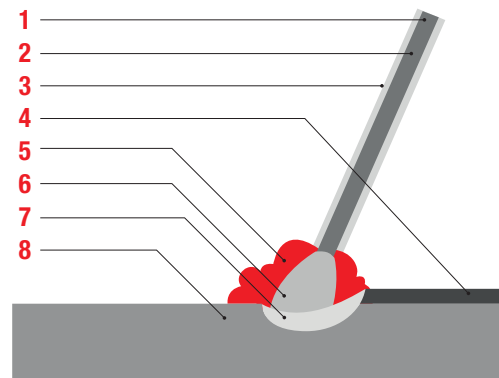
2 IN 1: CHARGE & START!

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH}	P	P _{C/S}	V	A _{EFF}	A _{EN}	A _{START MAX}	A _{1V/C}	C	N°	W ^H L	kg	
				V (50-60Hz)	W	KW	V	A	A	A	A	Ah 15h		mm (LxWxH)	kg	
E	Touring 11	807591	x	-	230 1 ph	60	-	6/12	2 (6V) 4,5 (12V)	1,5 (6V) 3 (12V)	-	-	-	15/30 (6V) 25/55 (12V)	1,8	
F	Touring 15	807592	x	-	230 1 ph	100	-	12/24	9 (12V) 4,5 (24V)	6 (12V) 3 (24V)	-	-	-	50/115 (12V) 30/55 (24V)	2,9	
G	Touring 18	807593	x	-	230 1 ph	230	-	12/24	13 (12V) 8 (24V)	9 (12V) 6 (24V)	-	-	-	60/180 (12V) 50/115 (24V)	3,4	
H	Alaska 150 Start	807576	x	x	230 1 ph	-	0,22/-	12	15	12	50/100	-	10/200	2	245x195x130	5,9
I	Alaska 200 Start	807577	x	x	230 1 ph	-	0,3/2,2	12/24	23 (12V) 12 (24V)	15 (12V) 8 (24V)	100/150	-	25/300 (12V) 30/160 (24V)	2	245x195x130	7,6
J	Sprinter 3000 Start	829390	x	x	230 1 ph	-	1/6,4	12/24	45	30	300	180	20/700	3	320x380x780	16,5
K	Sprinter 4000 Start	829391	x	x	230 1 ph	-	1,6/10	12/24	75	50	400	300	20/1000	4	320x380x780	19,8
L	Sprinter 6000 Start	829392	x	x	230 1 ph	-	2/10	12/24	90	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. Scorie 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

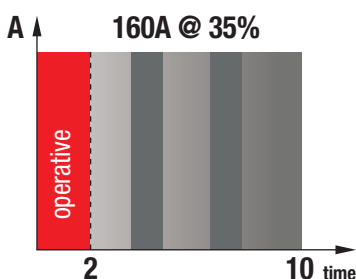
⊖ MINUS

- 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 Einschaltzeiten 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 186 HD, 216 HD, 236 HD, Superior 250	DC	✓	✓	✓	✓		
Motoinverter CE, Technology 238 CE/MPGE, Superior 320 CE VRD, Superior 400 CE VRD, Superior 630 CE VRD	DC _{CE}	✓	✓	✓	✓	✓	✓
TRADITIONAL							
Marte, Pratica, Moderna, Nordica, Nordika, Artica 220, 270, Eurarc 310, 410, Thunder 220 AC	AC	✓					
Eurarc 322, 422, 522	2AC	✓	✓				
Quality 280	AC/DC	✓	✓	✓	✓		
Linear	DC	✓	✓	✓	✓	✓	
Thunder 304 CE	DC _{CE}	✓	✓	✓	✓	✓	✓

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)

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

LEGENDA

RT EN | Rutile FR | Rutile DE | Rutile
IT | Rutile ES | Rutile RU | Рутильные

BS EN | Basic FR | Basique DE | Basisch
IT | Basico ES | Básico RU | Щелочные

CI EN | cast iron FR | fonte DE | Gußeisen
IT | ghisa ES | fundición RU | Чугун

SS EN | stainless steel
IT | acciaio inox
FR | acier inox
ES | acero inoxidable
DE | Edelfstahl
RU | Нержавеющая сталь

AL EN | aluminium ES | aluminio
IT | alluminio DE | Aluminium
FR | 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 | diámetro electrodos
DE | Elektrodendurchmesser
RU | Диаметр электрода

MMA Electrode Welding



BCD



A Force 125 with accessories in cardboard carry case

inverter



COMPLETE WITH ACCESSORIES



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

inverter



COMPLETE WITH MASK & ACCESSORIES

OPTIONAL

W

MMA WELDING KIT



10 mm² 3+2m DX25
801000

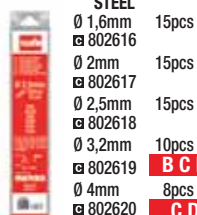
CD

MMA - MIG/MAG TIG MASK



TIGER
802818
OTHER MASKS
Pag. 17

RUTILE ELECTRODES STEEL



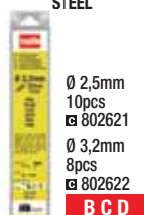
Ø 1,6mm 15pcs
802616
Ø 2mm 15pcs
802617
Ø 2,5mm 15pcs
802618
Ø 3,2mm 10pcs
802619 **BCD**
Ø 4mm 8pcs
802620 **CD**

RUTILE ELECTRODES STAINLESS STEEL



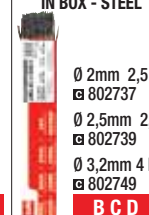
Ø 2,5mm 10pcs
802623
Ø 3,2mm 8pcs
802624 **BCD**

BASIC ELECTRODES STEEL



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

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**

BASIC ELECTRODES IN BOX - STEEL



Ø 2,5mm 2,5 kg
804036
Ø 3,2mm 5 kg
802765 **BCD**

TECHNICAL DATA

W

	CODE	V _{PH}	A _{MIN} / A _{MAX}	TELWIN USE % _{20°C}	A _{MAX} 40°C EN60974-1 A	V ₀	A _{60%} / A _{MAX}	P _{60%} / P _{MAX}	P _{GEN}	I	η _φ	DC MIN/MAX	IP	W ^H / T	kg
		V (50-60Hz)	A	% @ 80A	%	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	0,7 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
	Force 165													300x125x225	2,9
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
	Force 195													300x125x225	2,9

TELWIN USE 0/20°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 créée par Telwin, non indiqué 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 Electrode Welding



EF

inverter



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



E Technica 171/S 816003

F Technica 211/S 816022

E-F Technica 171/S - 211/S

TECNICA IN PLASTIC CARRY CASE + ACCESSORIES

OPTIONAL

MMA WELDING KIT	TIG WELDING KIT	MMA - MIG/MAG TIG MASK	RUTILE ELECTRODES STEEL	RUTILE ELECTRODES STAINLESS STEEL	BASIC ELECTRODES STEEL	RUTILE ELECTRODES IN BOX - STEEL	BASIC ELECTRODES IN BOX - STEEL
			<ul style="list-style-type: none"> Ø 1,6mm 15pcs 802616 Ø 2mm 15pcs 802617 Ø 2,5mm 15pcs 802618 Ø 3,2mm 10pcs 802619 Ø 4mm 8pcs 802620 	<ul style="list-style-type: none"> Ø 2,5mm 10pcs 802623 Ø 3,2mm 8pcs 802624 	<ul style="list-style-type: none"> Ø 2,5mm 10pcs 802621 Ø 3,2mm 8pcs 802622 	<ul style="list-style-type: none"> Ø 2mm 2,5 kg 802737 Ø 2,5mm 2,5 kg 802739 Ø 3,2mm 4 kg 802749 	<ul style="list-style-type: none"> Ø 2,5mm 2,5 kg 804036 Ø 3,2mm 5 kg 802765
16 mm ² 3+2m DX25 801096 EF	801097 EF	TRIBE Automatic 802837 OTHER MASKS Pag. 17					

TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{PH}	A _{MIN} / A _{MAX}	TELWIN 0% USE / 0°C	A _{MAX} 40°C	A _{60%} 40°C	V ₀	A _{MAX} 60%	P _{MAX} 60%	P _{GEN}	η	φ	φ _{DC} MIN/MAX	IP	kg	GENERATOR ONLY
			V(50-60Hz)	A		EN60974-1 A	EN60974-1 A	V	A	kW	kW	A	1/100 φ	mm		gen(Kit)	code
E	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	4,1 (6,6)	816003
F	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	4,1 (6,7)	816022

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

MMA Electrode Welding



inverter



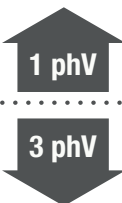
A Technology 186 HD

B Technology 216 HD

C Technology 236 HD

A-B-C Technology

TECHNOLOGY IN ALUMINIUM CARRY CASE + ACCESSORIES



inverter



MULTIPROCESS
MIG - MMA - TIG



D Superior 250

E Superior 320 CE VRD

F Superior 400 CE VRD

G Superior 630 CE VRD

200A @35%
AT 40°C

MIG OPTIONS

**SUPERIOR 400-630
MIG PACK (AQUA)**



WIRE FEEDER
TX50



Pag.40

OPTIONAL

MMA WELDING KIT

- 16 mm² 3+2m DX25
801096 **AB**
- 25 mm² 4+3m DX50
801081 **DE**
- 25 mm² 3+2m DX25
801102 **C**
- 50 mm² 4+3m DX50
801093 **F**
- 70 mm² 4+3m DX70
801106 **G**

ALUMINIUM KIT

- 802273 **FG**
FLUX KIT
- 802466 **FG**

TIG WELDING

- 801097
ABC
GAS REGULATOR
- 722119 **DEFG**

REMOTE CONTROL

- 1 pot.
802219 **EFG**
- 2 pot.
802336 **EFG**
- Pedal
802017 **EFG**

GOUGING KIT

- 802666 **FG**
- CARBON ELECTRODES
- Ø 8mm 5pcs
802803 **FG**
- Ø 10mm 5pcs
802305 **FG**

TIG TORCHES

- 4m 742058 **DEFG**
- MIG-MAG TORCHES
- 3m 742186 **FG**
- 5m 742188 **FG**

WIRE FEEDER TX50

- 806110 **FG**
- 4 ROLLS
- 0,6+2mm
- Max 15 Kg
- 300mm

EXTENSIONS

- 4m **FG**
400 802472
630 802348
- 10m **FG**
400 802473
630 802349

TROLLEY NATIONAL

- 803076 **FG**
- TROLLEY CONTINENTAL
- 803064 **G**

TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{60%}	V _O	A _{60%}	P _{60%}	P _{GEN}	η	φ	IP	kg	GENERATOR ONLY	
			V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	kW	A	1/1cos φ	mm	gen(kit)	code	
A	+ [AL] + [ACC]	816205	230 1 ph	5÷160	160@35%	125	83	23 32	3,5 5	7	-	0,9 0,7	1,6 4	IP23	4,7 (8,5)	816005
B	+ [AL] + [ACC]	816206	230 1 ph	5÷180	180@30%	125	83	23 35	3,5 5,5	8	-	0,87 0,7	1,6 4	IP23	4,7 (8,4)	816006
C	+ [AL] + [ACC]	816207	230 1 ph	5÷200	200@35%	140	81	24 42	4,2 6,6	10	-	0,84 0,8	1,6 4	IP23	6,2 (9,8)	816007
D	-	816039	400 3 ph	10÷250	220@25%	130	85	6,8 12	8,2	12	10	0,87 0,8	1,6 5	IP23	8,4	-
E	-	816036	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	-
F	-	816034	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	-
G	-	816032	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	-

Professional Welding Helmets



OPTICAL CLASS: 1/1/1/1

VISION 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

NEW

2 YEARS WARRANTY



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

2 YEARS WARRANTY



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

2 YEARS WARRANTY



JAGUAR FIRE
Cod. 802807

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



JAGUAR
Cod. 802779

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



STREAM FLAME
Cod. 802816

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



STREAM
Cod. 802813

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



TAURUS METAL
Cod. 804094

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

OPTICAL CLASS: 1/1/1/1

NEW



TRIBE RED
Cod. 802814

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



TRIBE
Cod. 802837

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



TIGER XL
Cod. 802812

- fix 11 DIN
- XL view area



TIGER
Cod. 802818

- fix 11 DIN

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

VRD: IMPROVES SAFETY DURING WELDING OPERATIONS

EN | VRD: Improves safety during welding operations

The Voltage Reduction Device (VRD) is a device used to decrease output voltage to a safe level when the welding machine is on but not in welding conditions. This grants the operator's safety: he can come into contact with the electrode without risks, until welding operations are resumed. (mines or shipyards, etc.).

IT | VRD: Miglior la sicurezza nelle operazioni di saldatura

Il VRD è un dispositivo che riduce la tensione in uscita ad un livello di sicurezza quando la saldatrice è accesa ma non in condizioni di saldatura garantendo l'incolumità dell'operatore che può venire a contatto con l'elettrodo senza rischi finché non riprende la saldatura (miniere, cantieri navali, ecc.).

FR | VRD: Améliore la sécurité dans les opérations de soudage

Le VRD (Voltage Reduction Device) est un dispositif qui réduit la tension en sortie à un niveau de sécurité quand le poste de soudage est allumé mais n'est pas en conditions de soudage. Il garantit la sécurité de l'opérateur qui peut entrer en contact avec l'électrode sans risques jusqu'à ce qu'on ne reprenne les opérations de soudage. (mines ou chantiers navals, etc.).

ES | VRD: Mejora la seguridad en las operaciones de soldadura

El VRD (Voltage Reduction Device) es un dispositivo que reduce la tensión eléctrica en salida a un nivel de seguridad, cuando la soldadora se encuentra encendida, pero no en condiciones de soldadura. Este dispositivo garantiza la incolumidad del operador, que puede entrar en contacto con el electrodo sin riesgos hasta que reanude las operaciones de soldadura (minas o astilleros, etc.).

DE | VRD: Mehr Sicherheit bei Schweißarbeiten

Die Einrichtung VRD (Voltage Reduction Device) dient dazu, die Ausgangsspannung auf ein sicheres Niveau abzusenken, wenn die Schweißmaschine zwar eingeschaltet, aber nicht schweißbereit ist. Die Sicherheit des Bedieners wird so sichergestellt, der mit der Elektrode gefahrlos in Berührung kommen kann, solange die Schweißarbeiten nicht wieder aufgenommen sind (Bergwerken, Schiffswerften, usw.).

RU | VRD: Повышает безопасность операций сварки

VRD (Voltage Reduction Device - Устройство для снижения напряжения) - это устройство, снижающее выходное напряжение до безопасного уровня, когда сварочный аппарат включен, но сварка не проводится. Это устройство обеспечивает безопасность оператора, который может без всякого риска дотрагиваться до электрода, пока не будут возобновлены операции сварки (в шахтах или судовых верфях, и т.п.).



TIG LIFT

EN | Use with mma and tig dc lift

- Arc force and hot start adjustment: best arc strike and welding seam
- User-friendly: easy reading of parameters thanks to the digital panel
- Inverter quality

IT | Utilizzo in mma e tig dc lift

- Regolazione arc force e hot start: migliore innescò dell'arco e del cordone di saldatura
- User-friendly: facile lettura dei parametri grazie al pannello digitale
- Qualità inverter

FR | Utilisation en mma et tig dc lift

- Réglage arc force et hot start: excellent amorçage de l'arc et du cordon de soudage
- User-friendly : lecture facile des paramètres grâce au panneau digital
- Qualité inverter

ES | Uso en mma y tig dc lift

- Regulación arc force y hot start: optimización del cebado del arco y del cordón de soldadura
- User-friendly: lectura fácil de los parámetros gracias al cuadro digital
- Calidad inverter

DE | Einsatz in MMA und WIG DC Lift

- Einstellung Arc-Force und Hot-Start: Optimierung der Lichtbogenzündung und der Schweißnaht
- Benutzerfreundlich: die Parameter lassen sich auf dem Digitaldisplay leicht ablesen
- Inverterqualität

RU | Использование для сварки mma и tig dc lift

- Регулирование arc force (силы дуги) и hot start (пуска из горячего состояния) оптимизация возбуждения дуги и сварочного шва
- Простота эксплуатации: легкого чтения параметров в связи с цифровой панелью
- Качество инвертера

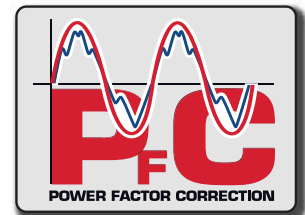
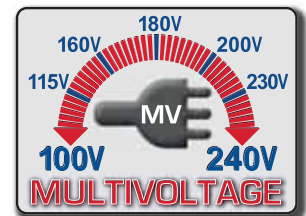
**TIG
LIFT**



MV/PFC: WIDE RANGE OF INPUT VOLTAGES

- EN** | Flexible use with any variable voltages within a wide range (e.g. 100/120V, 180V, 200V, 220/240V)
- Use with unstable voltages
 - Complete protection for motogenerators
 - Use of long extensions up to 250 m without loosing performances
 - Power absorptions are reduced by 30%
 - Easy to use; light-weight and quality results are guaranteed by the inverter technology (hot start, arc force, anti-stick).
- IT** | Flessibilità di utilizzo con qualsiasi tensione variabile entro un largo range (e.g. 100/120V, 180V, 200V, 220/240V)
- Funzionamento con tensioni poco stabili
 - Protezione completa per motogeneratori
 - Utilizzo di lunghe prolunghe fino a 250m senza diminuire le prestazioni
 - Assorbimenti ridotti del 30%
 - Maneggevolezza, leggerezza e risultati di qualità garantiti dalla tecnologia inverter (hot start, arc force, anti-stick).
- FR** | Flexibilité d'utilisation avec n'importe quelle tension variant à l'intérieur d'une ample fourchette (ex. 100/120V, 180V, 200V, 220/240V)
- Fonctionnement avec des tensions peu stables
 - Protection complète pour motogénérateurs
 - Utilisation de longues rallonges jusqu'à 250m sans diminuer les prestations
 - Absorptions réduites de 30%
 - Manipulation facile, légèreté et résultats de qualité garantis par la technologie inverter (hot start, arc force, anti-stick).

- ES** | Flexibilidad de uso con cualquier tensión eléctrica, variable dentro de una amplio gama (por ejemplo 100/120V, 180V, 200V, 220/240V)
- Funcionamiento con tensiones eléctricas poco estables
 - Protección completa para motogeneradores
 - Uso de largas extensiones de hasta 250 m sin disminuir las prestaciones
 - Absorciones reducidas del 30%
 - Manejabilidad, ligereza y resultados de calidad garantizados por la tecnología inverter (hot start, arc force, anti-stick).
- DE** | Flexibler Einsatz mit jeder aus einem breiten Bereich einstellbaren Spannung (z.B. 100/120V, 180V, 200V, 220/240V)
- Betrieb bei instabilen Spannungen
 - Vollschutz bei Stromaggregaten
 - Einsatz langer Verlängerungen bis 250 m ohne dass die Leistungen beeinträchtigt werden
 - Bis zu 30% geringere Stromaufnahmen
 - Leichte Handhabung, geringes Gewicht und hochwertige Resultate sind durch die Invertertechnik garantiert (Hot-start, Arc-force, Anti-stick).
- RU** | Гибкое применение с любым напряжением, в широком диапазоне значений (например, 100/120 в, 180 в, 200 в, 220/240 в)
- Работа с не стабильным напряжением
 - Полная защита с мотор-генераторами
 - Использование длинных удлинителей до 250 м, не снижая ее эксплуатационные характеристики
 - Потребление уменьшено на 30%
 - Легкость в обращении, небольшой вес и качественные результаты гарантируются благодаря технологии инвертера (hot start (пуск из горячего состояния), arc force (сила дуги), anti-stick (защита от приклеивания электрода)).



ADVANCE 187 MV/PFC



ADVANCE 227 MV/PFC TIG DC-LIFT VRD

MMA Electrode Welding



A



inverter



TIG LIFT

DIGITAL

MMA ADJUSTABLE
• ARC FORCE
• HOT-START

A Technica 190 Tig DC-lift VRD

MMA
TIG

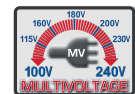
BE READY TO WELD!

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



B-C Advance 187 MV/PFC - Advance 227 MV/PFC Tig DC-LIFT VRD

inverter



mod. 227

TIG LIFT

mod. 227

DIGITAL

MMA ADJUSTABLE
• ARC FORCE
• HOT-START

mod. 227

TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	A _{MAX} 40°C EN60974-1 A	A _{60%} 40°C EN60974-1 A	V ₀	A _{50% MAX}	P _{60% MAX}	P _{GEN}	η	φ	∅ _{DC MIN/MAX}	IP	k _g	GENERATOR ONLY
			V (50-60Hz)	A				V	A	kW	kW	A	η/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		816009	100-120 1 ph 200-240 1 ph	10÷110 10÷150	88% @ 150A	90 25%	60	75	15,5 24,5	1,7 2,7	4	15	0,84 0,98	1,6 4	IP23	5,7 (-)	816009
C		816010	100-120 1 ph 200-240 1 ph	10÷130 10÷200	-	130 40%*	110	81	20 25	2,2 2,8	5	15	0,84 0,98	1,6 4	IP23	6,2 (-)	816010

(*) A_{MAX} = 150A@30% ⇒ I_{GEN} = 20A

MMA Electrode Welding



RECOMMENDED FOR
MOTOGENERATORS



D Force 168 MPGE

E Tecnica 188 MPGE



D E Force, Tecnica MPGE

inverter



MULTI PROTECTIONS FOR GENERATOR MPGE

COMPLETE WITH ACCESSORIES



F Technology 238 CE/MPGE

COMPLETE WITH ACCESSORIES



inverter

MULTI PROTECTIONS FOR GENERATOR MPGE



Aluminium

OPTIONAL

MMA WELDING KIT



10 mm² 3+2m DX25
801000 **D**

16 mm² 3+2m DX25
801096 **A B C E**

25 mm² 3+2m DX25
801102 **F**

MMA - MIG/MAG TIG MASK



TRIBE Automatic
802837

OTHER MASKS
Pag. 17

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
804036

Ø 3,2mm 5 kg
802765

TIG WELDING KIT



801097 **A B C E F**

GLOVES



OTHER GLOVES
Pag. 89

TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{PH}	A _{MIN} A _{MAX}	A _{MAX} 40°C	A _{MAX} 40°C EN60974-1 A	A _{60%} 40°C EN60974-1 A	V _O	A _{60%} MAX	P _{60%} MAX	P _{GEN}	η	φ	Ø _{DC} MIN/MAX	IP	kg	GENERATOR ONLY	
			V (50-60Hz)	A				V	A	kW	kW	A	η/cos φ	mm		gen(kit)	code	
D	Force 168 MPGE	+ ACC	816211	230 1 ph	10÷150	60%@150A	140 7%	-	72	31	4,1	6	16	0,82 0,6	1,6 4	IP21	2,9 (5,5)	816011
E	Tecnica 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	4,1 (7)	816012
F	Technology 238 CE/MPGE	+ AL + ACC	816213	230 1 ph	5÷180	-	180 35%	140	102	27 36	4,3 6	9	-	0,84 0,7	1,6 4	IP23	6,2 (10,1)	816013

MMA Electrode Welding



A Motoinverter 174 CE

B Motoinverter 204 CE

inverter



PETROL ENGINE

+30% PERFORMANCES



+30% PERFORMANCES



+30% PERFORMANCES



C Motoinverter 254 CE

D Motoinverter 264D CE

MOTOINVERTER WITH OPTIONAL WHEELS KIT



THUNDER WITH OPTIONAL WHEELS KIT



WELDING CHARACTERISTICS

	CODE	A _{MIN} A _{MAX}	A _{MAX} 40°C EN60974-1	A _{60%} 40°C EN60974-1	V ₀	Ø _{DC} MIN/MAX	IP	W _H L	kg
		A	A	A	V	mm		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 254 CE	5÷230	200 30%	130	112 V DC	1,6 5	IP23	850x550x670	73
D	Motoinverter 264D CE	5÷230	200 30%	130	113 V DC	1,6 5	IP23	1050x580x720	107

DC GENERATORS & ENGINE CHARACTERISTICS

	V _{DC}	P _{DC}	TYPE	P	C _c	RPM	START	I	g/kWh	db	
	V (50-60Hz)	kW		kW/Hp	cm ³	rpm		l			
A	Motoinverter 174 CE	230 1 ph	1,8	HONDA GX 200	4,8/6,5	196	3200	MANUAL	3,6	313	97 LWA
B	Motoinverter 204 CE	230 1 ph	2,2	HONDA GX 270	6,6/9	270	3400	MANUAL	6	313	97 LWA
C	Motoinverter 254 CE	230 1 ph	3	HONDA GX 390	8,2/11	389	3300	MANUAL	6,1	313	97 LWA
D	Motoinverter 264D CE	230 1 ph	3	LOMBARDINI 15LD 440	8,1/11	442	3500	ELECTRIC	5	250	98 LWA

MMA Electrode Welding



E Thunder 220 AC



Aluminium

F Thunder 304 CE Kohler



Aluminium

G Thunder 304 CE Honda

OPTIONAL

MMA WELDING KIT 10 mm ² 3+2m DX25 ☐ 801000 A 35 mm ² 4+3m DX50 ☐ 801095 FG 16 mm ² 3+2m DX25 ☐ 801096 B 25 mm ² 3+2m DX25 ☐ 801102 CDE	MMA - MIG/MAG TIG MASK STREAM FLAME Automatic ☐ 802816 JAGUAR Automatic Variable ☐ 802779 OTHER MASKS Pag. 17	WHEELS KIT ☐ 802117 A ☐ 802490 B ☐ 802675 CDE ☐ 802680 FG	AC POWER SUPPLY KIT ☐ 802494 CD ☐ 802584 B TIG WELDING KIT ☐ 801097 ABCD	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 ☐ 804036 Ø 3,2mm 5 kg ☐ 802765
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WELDING CHARACTERISTICS

	CODE	A _{MIN} A _{MAX}	A _{MAX} 40°C EN60974-1 A	A _{60%} 40°C EN60974-1 A	V ₀	Ø _{DC} MIN/MAX	IP	W _T L	kg	
		A	A	A	V	mm		mm (LxWxH)	kg	
E	Thunder 220 AC	825001	60÷200	200@35%	180	65 V AC	2/4	IP23	860x510x550	82
F	Thunder 304 CE (KOHLER) ^(**)	825002	40÷300	300@35%	250	85 V DC	1,6/6	IP23	940x570x790	166
G	Thunder 304 CE (HONDA) ^(**)	825005								163

AC GENERATORS & ENGINE CHARACTERISTICS

	V _{AC}	P _{AC}	V _{AC}	P _{AC}	TYPE	P	C _c	RPM	START	I	g/kWh	db	
	V (50-60Hz)	kVA	V	kVA		kW/HP	cm ³	rpm		l			
E	Thunder 220 AC	230 1ph	7	-	HONDA GX 390	8,2/11	389	3000	MANUAL	6,1	313	97 LWA	
F	Thunder 304 CE (KOHLER) ^(**)	230 1ph	4	400 3ph	10	KOHLER CH 730	18,6/25	725	3000	ELECTRIC	18	350	78 @ 7m
G	Thunder 304 CE (HONDA) ^(**)					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



A Moderna 150



B Nordica 4.181 Turbo



C Nordica 4.185 Turbo

D Nordica 4.220 Turbo

E Nordica 4.280 Turbo



F Nordika 1800



G Nordika 2160

H Nordika 3200

I Nordika 3250

TECHNICAL DATA

	CODE	V _{PH} V (50-60Hz)	A _{MIN/MAX} A	V ₀ V	P _{MAX} kW	⊖ A	∅ _{DC MIN/MAX} mm	IP	W ^H _L mm (LxWxH)	kg
A	Moderna 150	230 1 ph	40÷140	48	2,5	16	1,6 3,2	IP21	345x215x280	13,9
B	Nordica 4.181 Turbo	230 1 ph	50÷160	49	2,5	16	2 4	IP21	370x250x310	15,7
C	Nordica 4.185 Turbo	230 1ph 400 2ph	50÷160	49	2,5	16-10	2 4	IP21	575x325x360	16,6
D	Nordica 4.220 Turbo	230 1ph 400 2ph	55÷190	50	3,5	20-10	2 4	IP21	575x325x360	19,4
E	Nordica 4.280 Turbo	230 1ph 400 2ph	70÷220	55	3,6	25-16	2 5	IP21	575x325x360	19,2
F	Nordika 1800	230 1 ph	40÷140	48	2,5	16	1,6 3,2	IP21	345x215x275	13,9
G	Nordika 2160	230 1 ph	50÷160	49	2,5	16	2 4	IP21	640x325x435	17,2
H	Nordika 3200	230 1ph 400 2ph	55÷190	50	3,5	-	2 4	IP21	700x325x440	21
I	Nordika 3250	230 1ph 400 2ph	70÷250	55	4,5	-	2 5	IP21	700x325x440	22

MMA Electrode Welding



J Artika 220

K Artika 270



L Quality 280 AC/DC



M Eurarc 310

N Eurarc 410

O Eurarc 322

P Eurarc 422

Q Eurarc 522

OPTIONAL



MMA WELDING KIT



- 801081 **N P**
- 801093 **Q**
- 801096 **J K L M**
- 801102 **O**

MMA - MIG/MAG TIG MASK



- TIGER
 802818
 OTHER MASKS Pag. 17

MMA - MIG/MAG TIG MASK



- STREAM
 Automatic
 802813

GLOVES



- 802673
 OTHER GLOVES
 Pag. 89

TECHNICAL DATA



	CODE	V _{PH}	A _{MIN} A _{MAX}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	P _{60%} MAX	φ	Ø _{DC} MIN/MAX	IP	W _H L	kg	
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	kW	cos φ	mm		mm (LxWxH)	kg	
J	Artika 220	814178	230 1ph 400 2ph	40÷200	170 10%	60	50	2,4 6,5	0,6	2 4	IP22	750x360x490	23
K	Artika 270	812011	230 1ph 400 2ph	70÷250	200 10%	70	55	2,6 8,5	0,55	2 5	IP21	750x360x490	25
L	Quality 280 AC/DC	814097	230 1ph 400 2ph	45÷230 AC 25÷160 DC	220@10% AC 150@15% DC	90 AC 80 DC	55 AC 67 DC	3,3 7,2	0,5	1,6÷5 AC 1,6÷4 DC	IP22	750x360x490	40
M	Eurarc 310	817019	230 1ph 400 2ph	70÷250	200 10%	70	55	2,6 8,5	0,55	2 5	IP22	690x390x480	26
N	Eurarc 410	817016	230 1ph 400 2ph	70÷330	300 10%	140	51	4,2 12	0,75	2 6	IP22	830x455x580	45
O	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
P	Eurarc 422	817017	230 1ph 400 2ph	70÷350	215 35%	170	52/73	4,5 13	0,4	2 6	IP22	830x455x580	61
Q	Eurarc 522	817018	230 1ph 400 2ph	40÷400	350 35%	265	52/71	11 15	0,7	1,6 6	IP22	950x490x680	81

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

MMA Electrode Welding



Aluminium

A Linear 280

B Linear 340

Aluminium

Aluminium



C Linear 430 HD



D Linear 530 HD

E Linear 630 HD

OPTIONAL



MMA WELDING KIT



- 801081 **A**
- 801093 **C**
- 801095 **B**
- 801106 **D E**

GOUGING KIT



- 802666 **B C D E**
 - CARBON ELECTRODES**
 - 802603 **D E**
 - 802305 **E**
- Ø 8mm 5pcs
Ø 10mm 5pcs

MMA - MIG/MAG TIG MASK



- TIGER XL**
 - 802812
- OTHER MASKS Pag. 17

MMA - MIG/MAG TIG MASK



- STREAM FLAME**
- Automatic
- 802816

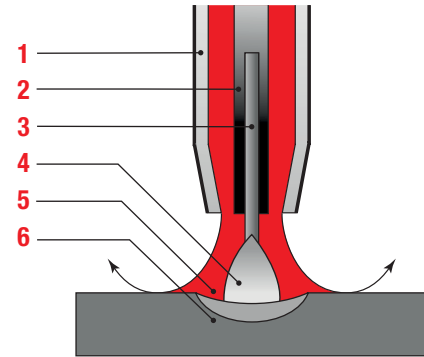
TECHNICAL DATA



		CODE	V _{PH}	A _{MIN} A _{MAX}	A _{MAX}	A _{MAX} 40°C	A _{MAX} 60°C	V ₀	P _{MAX}	φ	Ø _{DC} MIN/MAX	IP	WxHxL	kg
			V (50-60Hz)	A	A	EN60974-1 A	EN60974-1 A	V	kW	cos φ	mm		mm (LxWxH)	kg
A	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
B	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
C	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
D	Linear 530 HD	DC 819055	230/400 3 ph	60÷450	-	410 45%	350	70	16 20	0,7	2 8	IP22	1000x540x760	170
E	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.Kontakttröhrchen 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 out-door 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 out-door 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



A Bimax 4.165 Turbo



B Bimax 152 Turbo



C Bimax 162 Turbo



ABCD



E



D Telmig 170/1 Turbo

E Telmig 180/2 Turbo

OPTIONAL

STEEL KIT - GAS -

Throwaway Bottle



802147

ABC

STEEL KIT - GAS -

Refillable Bottle



802148

ABC

GAS CONNECTION KIT

Throwaway Bottle



802032

ABC

GAS CONNECTION KIT

Refillable Bottle



802708

ABC

STAINLESS STEEL KIT



802037

ABCDE

ALUMINIUM KIT



802036

ABCDE

NAIL SPOT WELDING KIT



802034

DE

MIG - MAG CONSUMABLES



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TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} A _{MAX}	A _{MAX} 40°C EN60974-1 A	A _{60%} 40°C EN60974-1 A	V ₀	P _{60%} MAX	φ	φ	N	OST	OSS	ØAL	ØFX	IP	W ^H L	kg
		V	A	EN60974-1 A	EN60974-1 A	V	kW	A	cos φ	N	mm	mm	mm	mm		mm (LxWxH)	kg
A	Bimax 4.165 Turbo	821015	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 1,2	IP21	730x370x475	23
B	Bimax 152 Turbo	821011	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 1,2	IP21	730x370x475	23
C	Bimax 162 Turbo	821012	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 1,2	IP21	640x350x470	25
D	Telmig 170/1 Turbo	821054	230 1 ph	30÷160	140 15%	80	31	2,3 5,2	16	0,9	6	0,6 0,8	0,8	-	IP21	800x450x570	37
E	Telmig 180/2 Turbo	821055	230 1 ph	30÷170	140 20%	80	31	2,3 5,2	16	0,9	6	0,6 0,8	0,8	-	IP21	800x450x570	37

MIG-MAG Welding

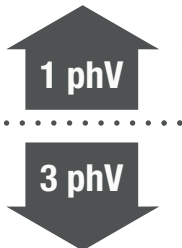


F Telmig 195/2 Turbo

G Telmig 200/2 Turbo

H Telmig 251/2 Turbo

I Telmig 281/2 Turbo



FGHI



J Telmig 203/2 Turbo

K Telmig 250/2 Turbo

OPTIONAL

MMA - MIG/MAG TIG MASK



JAGUAR
Automatic - Variable
802779
OTHER MASKS
Pag. 17

MIG - MAG TORCHES



4m MT15
742181
4m MT25
742184

STAINLESS STEEL KIT



802037
FGHIJK

ALUMINIUM KIT



802115
FGHIJK

NAIL SPOT WELDING KIT



802034
FGHJK

PLATE TEMPERING KIT



802035
FGHIJK

WELDING CLAMPS FOR AUTOMOTIVE



802627



802586

MIG - MAG CONSUMABLES



Pag. 79÷80

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	P _{60%} MAX	φ	φ	⊙	⊙ST	⊙SS	⊙AL	IP	W ^H	kg
		V (50-60Hz)	A	EN60974-1	EN60974-1	V	kW	A	cos φ	N°	mm	mm	mm		mm (LxWxH)	kg
F	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
G	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
H	Telmig 251/2 Turbo	230 1 ph	40÷240	200 15%	125	53	4 8	-	0,9	8	0,6 1	0,8	0,8 1	IP22	800x450x655	51
I	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
J	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
K	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	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



A Mastermig 220/2

B Mastermig 270/2



WIRE FEEDER
4
ROLLS

CDEF

COIL COVER
OPTIONAL



C Mastermig 300

D Mastermig 400

E Mastermig 500

F Mastermig 500 AQUA

AQUA = WATER COOLED

MIG - MAG CONSUMABLES PAG.79-80

OPTIONAL

MMA - MIG/MAG - TIG
MASK



JAGUAR

Automatic - Variable

802779

OTHER MASKS
Pag. 17

MIG - MAG TORCHES



4m
802181
802184
802187

A
BC
DE

5m
802182
802185
802188

A
BC
DE

5m AQUA
802683

F

STAINLESS STEEL KIT



802037

A



802273
802766

CDEF
AB

FLUX KIT



802466

CDEF



980706

COIL ADAPTOR



802486

WIRE FEEDER
WHEELS



802292

CDEF



802976

F

PLATE TEMPERING KIT



802035

AB



802034

A

EXTENSIONS



4m
802266
10m
802267

CDEF
CDEF



802595

CDEF

WELDING CLAMPS
FOR AUTOMOTIVE



802627 802586



802043

E

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{60°C}	V ₀	P _{60°C}	φ	φ	φ	φ _{ST}	φ _{SS}	φ _{AL}	φ _{FX}	φ _{BZ}	IP	W _H	kg	
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	kW	A	cos φ	N°	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

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

MIG-MAG Welding



G Supermig 380

H-I Supermig 480 (AQUA)

J-K Supermig 580 (AQUA)

AQUA = WATER COOLED

OPTIONAL

MMA - MIG/MAG - TIG MASK	MIG - MAG TORCHES	WATER COOLING SYSTEM	ALUMINIUM KIT	EXTENSIONS	COIL ADAPTOR	AMPERMETER-VOLTMETER KIT	SPOT TIMER
 JAGUAR Automatic - Variable 802779	 3m AQUA 722625 HIJK 4m 742187 GHI	 G.R.A. 2500 802109 HJ	 802273 GHI 802409 JK	 4m 802348 HJ 802472 G 4m AQUA 802398 HIJK 10m 802349 HJ 802473 G 10m AQUA 802399 HIJK 30m AQUA 802470 HIJK	 802486	 802938 HIJK	 980706 G
 TRIBE Automatic 802837	5m 722800 JK 742188 GHI 5m AQUA 722683 HIJK	 802595	 802276 HIJK 802466 G	 802292	 802976 IK	 Pag. 81	

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{60%}	V ₀	P _{60%}	η/cos φ	N°	Ø _{ST}	Ø _{SS}	Ø _{AL}	Ø _{FX}	Ø _{BZ}	IP	W ^H L	kg
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	kW			mm	mm	mm	mm	mm		mm (LxWxH)	kg
G	Supermig 380	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
H	Supermig 480	230/400 3 ph	50÷420	420 25%	300	47	11 19	0,9	24	0,8 2	0,8 2	0,8 1,2	1 2	0,8 1,2	IP22	940x580x1280	120
I	Supermig 480 AQUA (*)																134
J	Supermig 580	230/400 3 ph	60÷550	550 35%	420	56	17 27	0,9	36	0,8 2,4	0,8 2,4	0,8 1,6	1 2,4	0,8 1,2	IP22	1020x570x1380	190
K	Supermig 580 AQUA (*)																203

(*) 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 5Kg
200mm

A B C

MAX 15Kg
300mm

D



A Technomig 150 Dual Synergic

B Technomig 180 Dual Synergic - EURO

inverter

ONE TOUCH



Synergy

inverter

ONE TOUCH
LCD SYNERGY



Synergy



C Technomig 210 Dual Synergic



D Technomig 215 Dual Synergic

inverter

MULTIPROCESS
MIG - MMA - TIG

ONE TOUCH



Synergy

Advanced ATC
Thermal Control

TIG LIFT

OPTIONAL

MMA - MIG/MAG - TIG MASK



JAGUAR Automatic - Variable
802779

OTHER MASKS
Pag. 17

MIG - MAG TORCHES

4m
742181 **BCD**
5m
742182 **D**

GAS REGULATOR

722119 **B (EURO) CD**

TIG TORCH

4m ST9V
722563 **D**

ALUMINIUM KIT



802036 **AB**
802115 **B (EURO) C**
802817 **D**

STAINLESS STEEL KIT



802037 **ABCD**

STEEL KIT - GAS Throwaway Bottle



802147

Refillable Bottle

802148

GAS CONNECTION KIT



802032

Refillable Bottle

802708

ELECTRODE HOLDER



DX 25
713281 **D**

NAIL SPOT WELDING KIT



802034 **ABCD**

TROLLEY AMERICA



803074 **ABC**

TROLLEY NATIONAL



803076 **D**

TROLLEY ARCTIC



803059 **ABC**

TROLLEY EUROPA



803073 **D**

MIG - MAG CONSUMABLES



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TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX}	A _{60%}	V _O	A _{60%}	P _{60%}	η	φ	ØST	ØSS	ØAL	ØFX	ØBZ	Ø _{DC}	IP	W _H	kg
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	A	mm	mm	mm	mm	mm	mm	mm (LxWxH)			
A	Technomig 150 Dual Synergic	230	20÷150	115	65	50	8,7	1,2	16	0,86	0,6	0,8	0,8	0,8	0,8	-	IP23	460x240x360	10,1
B	Technomig 180 Dual Synergic	230	20÷170	140	80	60	12	1,6	16	0,86	0,6	0,8	0,8	0,8	0,8	-	IP23	460x240x360	10,8
	Technomig 180 Dual Synergic Euro																		816054
C	Technomig 210 Dual Synergic	230	20÷200	180	100	60	15	2	-	0,89	0,6	0,8	0,8	0,8	0,8	-	IP23	460x240x360	13
D	Technomig 215 Dual Synergic	230	20÷220	180	100	78	15	2,2	-	0,84	0,6	0,8	0,8	0,8	0,8	1,6	IP23	620x260x490	22

MIG-MAG Welding



MAX 15kg
300mm



EF

inverter

MULTIPROCESS
MIG - MMA - TIG

ONE TOUCH
LCD SYNERGY

Synergy
MIG

Advanced ATC
Thermal Control

TIG LIFT

WIRE FEEDER
4 ROLLS



E Technomig 223 Treo Synergic

F Technomig 223 Treo Synergic + Spool Gun



WIRE FEEDER
4 ROLLS

G Technomig 243 Wave

inverter

MULTIPROCESS
MIG - MMA - TIG



Active Synergy
MIG

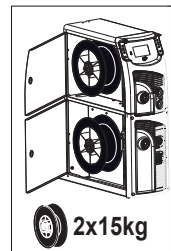
4B PULSE

4B POP
Pulse On Pulse

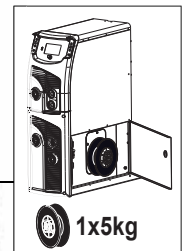
Advanced ATC
Thermal Control

TIG LIFT

USB



2x15kg



1x5kg

OPTIONAL

MMA - MIG/MAG - TIG MASK



JAGUAR
Automatic - Variable
802779

OTHER MASKS
Pag. 17

MIG - MAG TORCHES

4m
742181 **EF**
5m
742182 **EF**

TIG TORCHES

4m
742058 **G**
722563 **EF**

SPOOL GUN M6



802407 **E**

DOUBLE BOTTLE KIT



803067 **EFG**

ALUMINIUM KIT



802663 **G**



802836 **EF**

STEEL KIT - GAS Refillable Bottle



802148

GAS CONNECTION KIT Refillable Bottle



802708

ELECTRODE HOLDER



DX 25
713281 **EF**
DX 50
713282 **G**

NAIL SPOT WELDING KIT



802034 **EF**

GAS REGULATOR



722119 **EFG**

BOARD KIT PUSH PULL



980559 **G**

MIG - MAG CONSUMABLES



Pag. 79-80

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN} / A _{MAX}	A _{MAX} 40°C	A _{MAX} 60°C	V ₀	A _{MAX} 60%	P _{MAX} 60%	η	φ	φ _{ST}	φ _{SS}	φ _{AL}	φ _{FX}	φ _{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
E	Technomig 223 Treo Synergic	816058	230	20-220	180	100	78	15	2,2	0,84	0,6	0,8	0,8	0,8	0,8	1,6	IP23	870 L 530 W 1665 H	52
F	Technomig 223 Treo Synergic + Spool Gun M6	816120	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	0,8 1,2	0,8 1	1,6 4	IP23	870 L 530 W 1665 H	55
G	Technomig 243 Wave	816066	230 1 ph	20-220	180 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	870 L 530 W 1665 H	59

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.

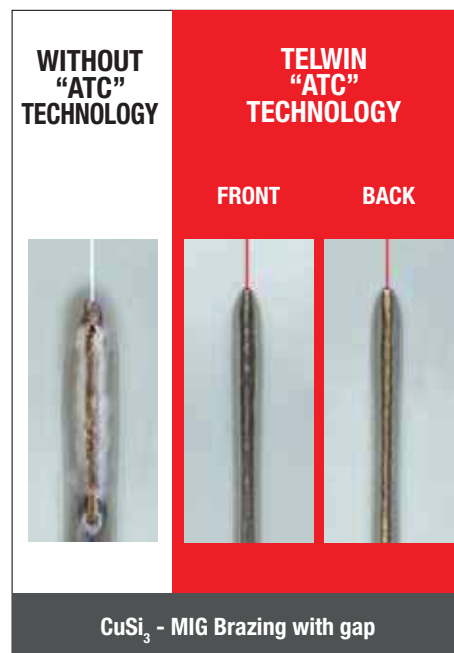
IT | La tecnologia ATC, Made in Telwin, trova specifica applicazione in quei settori, vedi ad esempio la carrozzeria, dove i materiali (con spessori contenuti tra 0,5-0,8mm) sono estremamente sensibili alle deformazioni causate dalle temperature raggiunte durante la saldatura. La tecnologia ATC consente 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 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 223 Treo Synergic
Technomig 243 Wave
Electromig 220 Synergic
Electromig 300 Synergic
Electromig 400 Synergic
Electromig 450 Synergic
Electromig 550 Synergic

MIG-MAG Welding



A Electromig 220 Synergic



B Electromig 300 Synergic

inverter

MULTIPROCESS
MIG - MMA - TIG

ONE TOUCH
LCD SYNERGY

FLUX MIG-MAG

Synergy
Alpha

Advanced
ATC
Thermal Control

TIG LIFT



BCDE
FG

inverter

MULTIPROCESS
MIG - MMA - TIG

ONE TOUCH
LCD SYNERGY

Synergy
Alpha

Advanced
ATC
Thermal Control

TIG LIFT



C Electromig 400 Synergic



D-E Electromig 450 Synergic (Aqua)

NEW



F-G Electromig 550 Synergic (Aqua)

NEW



MIG - MAG CONSUMABLES PAG.80÷81

OPTIONAL

MIG - MAG TORCHES 4m 802181 A 802184 B 802187 CDEFG 5m 802182 A 802185 B 802188 CDEFG 5m AQUA 8022683 EG TIG TORCHES 4m 802058	STAINLESS STEEL KIT 802037 A ALUMINIUM KIT 802817 A 802663 B 802273 C 802409 DEFG	NAIL SPOT WELDING KIT 802034 A COIL ADAPTOR 802486 CDEFG GAS REGULATOR 8022119	ELECTRODE HOLDER DX 50 8021382 AB 80213048 CDEFG FLUX KIT 802276 FG 802466 DE	WHEELS 802948	REMOTE CONTROLS 802219 DEFG 802336 DEFG PUSH PULL BOARD KIT 980559 DEFG	TROLLEY EUROPA 803073 A TROLLEY NATIONAL 803076 A	EXTENSIONS 4m 802348 DEFG 4m AQUA 802398 EG 10m 802349 DEFG 10m AQUA 802399 EG 30m AQUA 802470 EG
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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	cos φ	EST	ESS	AL	FX	BZ	Ø _{DC} MIN/MAX	IP	W _T	H	kg	
		V (50-60Hz)	A	EN 60974-1 A	EN 60974-1	V	A	kW	A	r/cos φ	mm	mm	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	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	0,90 0,9	0,6 1,2	0,8 1,2	0,8 1,2	0,8 1,2	1,6 6	IP23	795 L 375 W 880 H		37	
C	Electromig 400 Synergic	816090	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	795 L 375 W 880 H		42
D	Electromig 450 Synergic	816091	230/400V 3 ph	20÷400 (400V)	400 30%	270	73	15 25	9,5 16,5	-	0,89 0,9	0,6 2	0,8 2	0,8 1,6	1 2	0,8 1,2	1,6 8	IP23	1030 L 510 W 1450 H		72
E	Electromig 450 Synergic AQUA	816092	230/400V 3 ph	20÷320 (230V)	320 30%	200	106	17 33	6,5 12,6	-	0,89 0,9	0,6 2	0,8 2	0,8 1,6	1 2	0,8 1,2	1,6 8	IP23	1030 L 510 W 1450 H		84
F	Electromig 550 Synergic	816093	230/400V 3 ph	10÷500 (400V)	500 40%	400	70	25 37	16 23	-	0,85 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	1030 L 510 W 1450 H		82
G	Electromig 550 Synergic AQUA	816094	230/400V 3 ph	10÷400 (230V)	400 40%	330	67	33 44	12 16	-	0,85 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	1030 L 510 W 1450 H		95

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 fin'ora 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.



A Electromig 230 WAVE

B-C Electromig 330 WAVE (AQUA)



OPTIONAL

OPTIONAL	MIG/MAG TORCH	ALUMINIUM KIT	SPOOL GUN M6	TIG TORCH	WHEELS KIT	WATER COOLING SYSTEM
MMA - MIG/MAG TIG MASK VANTAGE RED XL Automatic - Variable 802936 OTHER MASKS Pag. 17	 4m MT25 742184 ABC 5m MT25 742185 ABC 3m AQUA MT500 722625 BC 5m AQUA MT 500 722683 BC	 802817 A 802663 BC	 802407	 ST26V 4m 742058	 802948 BC	 802942 B
		ELECTRODE HOLDER 25mm ² 4m DX50 713282	PUSH PULL BOARD KIT 980559	GAS REGULATOR 722119	COOLANT FOR COOLING SYSTEMS 802976 C	MIG - MAG CONSUMABLES Pag. 80÷81

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	EST	SS	AL	FX	BZ	Ø _{DC} MIN/MAX	IP	W _H L	kg	
		V (50-60Hz)	A	EN60974-1 A	EN60974-1 A	V	A	kW	A	η/cos φ	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	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	845x390x915	39	
C	Electromig 330 WAVE (AQUA)	816062						10,5 16	6,7 9,2										49	

MIG-MAG Welding



A Inverpulse 320

B Inverpulse 320 AQUA

inverter

MULTIPROCESS
MIG - MMA - TIG



inverter

MULTIPROCESS
MIG - MMA - TIG



C Inverpulse 425

D Inverpulse 425 AQUA

E Inverpulse 625

F Inverpulse 625 AQUA

TECHNICAL DATA

	CODE	V _{PH} V (50-60Hz)	A _{MIN/MAX} A	A _{MAX} 40°C EN60974-1 A	A _{60%} 40°C EN60974-1 A	V _O V	A _{60%} MAX A	P _{60%} MAX kW	η _{cos φ} A	η _φ r/cos φ	σ _{ST}	σ _{SS}	σ _{AL}	σ _{FX}	σ _{BZ}	Ø _{BC} MIN/MAX mm	IP	W ^H mm (LxWxH)	kg	
A	Inverpulse 320	815301	400 3 ph	10÷300	270 35%	190	78	10,7 17,5	6	16	0,85 0,8	0,6 1,2	0,8 1,2	0,8 1,2	1 1,2	0,8 1,2	1,6 6	IP23	670x310x560	45
B	Inverpulse 320 AQUA (*)	815336																1150x600x1190	96	
C	Inverpulse 425	815479	400 3 ph	10÷400	350 40%	300	83	15,5 24	8	-	0,87 0,8	0,6 1,6	0,8 1,6	0,8 1,6	1 1,6	0,8 1,2	1,6 6	IP23	1130x580x1220	99
D	Inverpulse 425 AQUA (*)	815488																1130x580x1460	117	
E	Inverpulse 625	815490	400 3 ph	10÷600	500 40%	400	82	23 40	13	-	0,86 0,8	0,6 2,4	0,8 2,4	0,8 1,6	1 2,4	0,8 1,2	1,6 8	IP23	1130x580x1220	102
F	Inverpulse 625 AQUA (*)	815500																1130x580x1460	121	

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

INVERPULSE: High Technology for cost reduction



- EN** • Sophisticated & innovative PULSED ARC Made in Telwin
 - Multiprocess Inverter (PULSE, POP, BRAZING, TIG, MMA) for a wide range of applications
 - User Friendly digital panel for facilities control
 - Synergic Programs make all works easy
 - Advance Connections (USB) for systems interface and software upgrade
- IT** • Sofisticato & innovativo PULSED ARC Made in Telwin
 - Inverter Multiprocesso (PULSE, POP, BRAZING, TIG, MMA) per un' ampia gamma di applicazioni
 - Pannello Digitale per un facile controllo dei parametri
 - Programmi Sinergici per rendere più semplice ogni lavoro
 - Conessioni Avanzate: possibilità di interfacciarsi a sistemi e aggiornare il software (porta USB)
- FR** • PULSED ARC sophistiqué & novateur Made in Telwin
 - Inverseur Multiprocessus (PULSE, POP, BRASAGE, TIG, MMA) pour une ample gamme d'applications
 - Panneau Numérique convivial pour le contrôle des installation
 - Programmes Synergiques pour faciliter toutes les tâches
 - Connexions Avancées (USB) pour l'interfaçage des systèmes et la mise à niveau logicielle
- ES** • PULSED ARC sofisticado & innovador Made in Telwin
 - Inverter Multiproceso (PULSE, POP, COBRESOLDADURA, TIG, MMA) para una amplia gama de aplicaciones
 - Panel Digital fácil de usar para el control de los instrumentos
 - Programas Sinérgicos para facilitar cualquier trabajo
 - Conexiones Avanzadas (USB) para comunicar con los sistemas y actualizar el software
- DE** • Hoch entwickeltes & innovatives PULSED ARC Made in Telwin
 - Multiprozess-Inverter (PULSE, POP, LÖTEN, WIG, MMA) für einen breiten Anwendungsbereich
 - Benutzerfreundliches digitales Anzeigergerät zur Funktionskontrolle
 - Durch Synergieprogramme werden alle Arbeitsaufgaben leicht
 - Hochmoderne Anschlüsse (USB) für die Schnittstellenvernetzung von Systemen und Software-Upgrades
- RU** • Сложный и современный сварочный аппарат PULSED ARC Made in Telwin
 - Инвертер на Мультипроцессорах (PULSE, POP, ПАЙКА, TIG, MMA) для широкого спектра примен
 - Понятная для Пользователя цифровая панель, облегчающая управление
 - Синергическая Программа облегчает любую работу
 - Улучшенные Соединения (USB) для интерфейса системы и обновлений программного обеспечения

Blue line

OPTIONAL

CONSUMABLES: TIG PAG.83, MIG - MAG PAG.81

MMA - MIG/MAG TIG MASK



VANTAGE RED XL

Automatic Variable

802936

OTHER MASKS Pag. 17

MIG - MAG TORCHES

- 3m AQUA 722625 **B D F**
- 4m 742187 **A B**
- 5m 742188 **A B**
- 722800 **C D E F**
- 5m AQUA 722683 **B D F**

SPOOL GUN M6

- 802407 **A B**

TIG TORCHES

-
- 4m 742427
- 4m **c 742463**
- 4m AQUA 742570
- 4m AQUA **c 742462**
- 8m 742431
- 8m **c 742464**
- 8m AQUA **c 742497**

ALUMINIUM KIT

- 802596 **A**
- 802409 **B C D E F**

FLUX KIT

- 802466 **A B**
- 802276 **C D E F**

EXTENSIONS

- 4m 802348
- 4m AQUA 802398
- 10m 802349
- AQUA 802399
- 30m 802470

COOLANT FOR COOLING SYSTEMS

- 802976 **B D F**

REMOTE CONTROLS

- 802219
- 802336
- 802017 **C D E F**

ELECTRODE HOLDER

- DX 50 713282

PUSH PULL BOARD KIT

- 980559

WATER COOLING SYSTEM G.R.A. 3000

- 802497 **A C E**

G.R.A. MAIN CONNECTION KIT

- 980604 **B D F**

DOUBLE BOTTLE SUPPORT KIT

- 803055

AUTOTRANSFORMERS ATT 300

- 802681
- 3ph 208V-230V

TROLLEY UNIVERSAL

- 803071 **A**

COIL ADAPTOR

- 802486 **B C D E F**

MIG-MAG Welding



MAX 15kg
300mm

REMOTE CONTROL

CE

EAC

inverter

MULTIPROCESS
MIG - MMA - TIG

CELLULOSIC

Aluminium

VRD
VOLTAGE REDUCTION DEVICE

CARBON CUT



A-B Superior 400 CE VRD MIG PACK/AQUA



C-D Superior 630 CE VRD MIG PACK/AQUA



WIRE FEEDER
4
ROLLS

MIG - MAG CONSUMABLES PAG.81

OPTIONAL

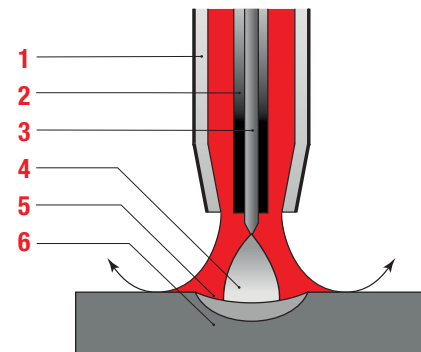
MIG - MAG TORCHES	TIG TORCH	ALUMINIUM KIT	ELECTRODE HOLDER	WATER COOLING SYSTEM G.R.A. 3000	EXTENSIONS	COIL COVER	WIRE FEEDER WHEELS
4m 742187 AB	4m 742058 ABCD	802273 A 802409 BCD	DX 50 713282 AB	802497 C	4m 802348 CD 802472 AB 4m AQUA 802398 ABCD	802595 ABCD	802292 ABCD
5m 742188 AB 722800 CD	GAS REGULATOR 722119 ABCD	FLUX KIT 802276 ABCD	GOUGING KIT 802466 ABCD	WATER COOLING SYSTEM G.R.A. 4000 802640 A	10m 802349 CD 802473 AB 10m AQUA 802399 ABCD 30m AQUA 802470 ABCD	COIL ADAPTOR 802486 ABCD	G.R.A. MAIN CONNECTION KIT 980604 BD
5m AQUA 722683 ABCD							

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	OST	OSS	QAL	QFX	QBZ	φ _{DC} MIN/MAX	IP	W _H	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		
A	Superior 400 CE VRD Mig Pack	816041	230/400 3 ph	10÷350 (400V)	330@35%	230	62	8,5/20	8/14	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
B	Superior 400 CE VRD Mig Pack AQUA (*)	816042	230/400 3 ph	10÷350 (400V)	330@35%	230	62	8,5/20	8/14	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	80
C	Superior 630 CE VRD Mig Pack	816043	230/400 3 ph	10÷600 (400V)	500@40%	400	73	20/35	13/23	0,86 0,9	0,6 2,4	0,8 2,4	0,8 1,6	1 1,2	0,8 1,2	1,6 8	IP23	950x450x1450	86
D	Superior 630 CE VRD Mig Pack AQUA (*)	816044	230/400 3 ph	10÷600 (400V)	500@40%	400	73	20/35	13/23	0,86 0,9	0,6 2,4	0,8 2,4	0,8 1,6	1 1,2	0,8 1,2	1,6 8	IP23	950x450x1450	108

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



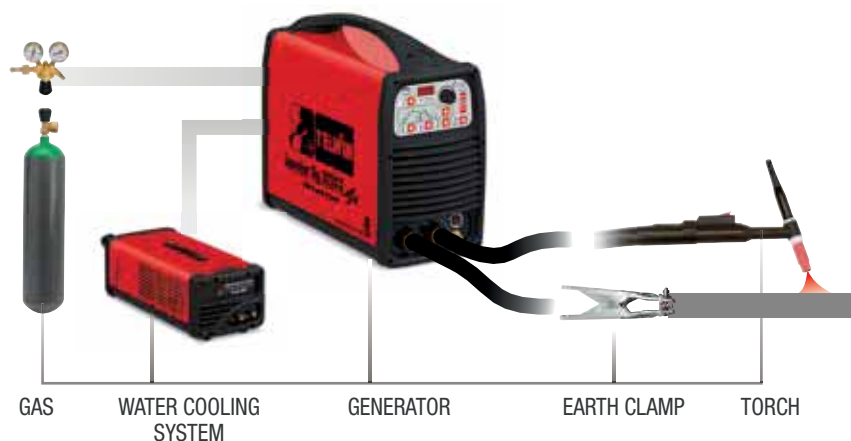
TIG FEATURES

⊕ 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 afluj 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'innescio 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 | Innescio 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 | Innescio 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.



inverter



TIG LIFT

DIGITAL

MMA ADJUSTABLE
• ARC FORCE
• HOT-START

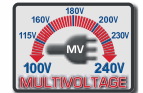
MMA
TIG

BE READY TO WELD!

A Tecnica 190 TIG DC-LIFT VRD



inverter



TIG LIFT

DIGITAL

MMA ADJUSTABLE
• ARC FORCE
• HOT-START

B Advance 227 MV/PFC TIG DC-LIFT VRD



C Technology TIG 185 DC-HF/LIFT



C



A

Blue line

OPTIONAL

MMA - MIG/MAG
TIG MASK



STREAM
Automatic
802813

OTHER MASKS
Pag. 17

TIG WELDING KIT



801097 **AB**

802415 **C**

TIG TORCHES



4m 722563 **AB**

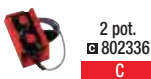
4m 742423 **C**

742460 **C**

REMOTE CONTROLS



1 pot.
802219 **C**



2 pot.
802336 **C**



Pedal
802017 **C**

GAS REGULATOR



722119 **ABC**



802057 **C**

STAINLESS STEEL
TIG CLEANING KIT



CLEANTECH 100
850000



DX 25
713281 **ABC**

GLOVES



802632
OTHER GLOVES
Pag. 89

TIG CONSUMABLES



Pag. 83

TECHNICAL DATA

	STANDARD ACCESSORIES	CODE	V _{PH}	A _{MIN} / A _{MAX}	TELWIN 0/USE 0/20°C	A _{MAX} 40°C	A _{60%} 40°C	V ₀	A _{60%} MAX	P _{60%} MAX	P _{GEN}	η	φ	∅ _{DC} MIN/MAX	IP	kg	GENERATOR ONLY
			V (50-60Hz)	A		EN60974-1	EN60974-1	V	A	kW	kW	A	η/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	852052	100-120 1ph 200-240 1ph	10÷130 10÷200	-	130 40%*	110	81	20 25 17,5 27	2,2 2,8 3,7 5,9	5 8	15 16	0,84 0,98	1,6 4	IP23	6,2 (9,2)	816010
C	+ AL + ACC	815956	230 1 ph	5÷160	-	160 25%	100	91	17 27	2,5 4	-	16	0,82 0,7	1,6 3,2	IP23	6,8 (12,9)	815497

(*) A_{60%} = 150A@30% ⇒ I_{60%} = 20A

TIG Welding



inverter **PULSE**
EASY
PULSE
THINSPOT
VRD
VOLTAGE REDUCTION DEVICE



A Technology Tig 230 DC-HF/LIFT VRD

inverter **PULSE**



B Technology Tig 182 AC/DC-HF/LIFT

inverter **PULSE**
EASY
PULSE
THINSPOT
VRD
VOLTAGE REDUCTION DEVICE



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



D Supertig 200 AC/DC-HF

E-F Supertig 280/1 AC/DC-HF/LIFT (AQUA)



WATER COOLED VERSION
Supertig 280/1
AC/DC-HF/LIFT AQUA (*)
cod. 833017

Blue line Green line

OPTIONAL

MMA - MIG/MAG - TIG MASK



JAGUAR FIRE Automatic - Variable
802807



STREAM Automatic
802813

TIG TORCHES

4m
742423 **BD**
742427 **E**
742614 **AC**
742460 **BD**
742463 **EF**

4m AQUA
742426 **EF**
742462

8m
742431 **EF**
742616 **AC**
742464 **EF**

TIG TORCHES

4m
742618 POT* **AC**
+ adaptor 802810
8m AQUA
742619 POT* **AC**
+ adaptor 802810

TIG PULSE

802057 **EF**

ELECTRODE HOLDER

DX 25
713281 **BD**
DX 50
713282 **ACEF**

WATER COOLING SYSTEM

G.R.A. 90
802043 **E**

TIG WELDING KIT

802415 **B**
802788 **AC**

COOLANT FOR COOLING SYSTEMS

803073 **F**

REMOTE CONTROLS

1 pot.
802219 **ABCEFF**

2 pot.
802336 **ABCEFF**

Pedal
802017 **ABCEFF**

TROLLEY

ARCTIC
803059 **AC**

AMERICA
803074 **AC**

STAINLESS STEEL TIG CLEANING KIT

CLEANTECH 200
850020

GLOVES

802632
OTHER GLOVES
Pag. 83

TECHNICAL DATA

		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	η	φ	Ø _{DC} MIN/MAX	IP	mm (LxWxH)	kg	GENERATOR ONLY	
			V (50-60Hz)	A			V	A	kW	A	η/cos φ	mm		mm (LxWxH)	gen.(kit)	code	
A	Technology Tig 230 DC-HF/LIFT VRD	+ ACC 852055	230 1 ph	10÷220	220 30%	125	95	26 36	4,1 6	20	0,86 0,7	1,6 4	IP23	430x176x340	9,7 (14,8)	816040	
B	Technology Tig 182 AC/DC-HF/LIFT	+ ACC 852030	230 1ph	5÷160	160 20%	85	94	18 29	2,5 4,3	16	0,75 0,7	1,6 3,2	IP23	430x170x340	9,7 (13,7)	815332	
C	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	20	0,81 0,7	1,6 4	IP23	430x170x340	11,3 (16,4)	816033	
D	Supertig 200 AC/DC-HF	+ ACC 832160	400 2 ph	30÷180 AC 25÷150 DC	170@15% AC 140@25% DC	75 AC 80 DC	79 AC 110 DC	-	1,7 6	-	-	0,4	-	IP22	800x450x570	69	-
E	Supertig 280/1 AC/DC-HF/LIFT	+ ACC 832161	400 2 ph	15÷250 AC 15÷250 DC	250@30% AC 250@30% DC	170 AC 180 DC	73 AC 105 DC	-	6,1 10,5	-	-	0,4	-	IP22	960x340x820	104	-
F	Supertig 280/1 AC/DC-HF/LIFT AQUA*	+ ACC 833017													960x640x820	113	-

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

TIG Welding



inverter **EASY PULSE PULSE** **THINSPOT** **VRD**
VOLTAGE REDUCTION DEVICE



G Superior Tig 251 DC-HF/LIFT VRD



H - I Superior Tig 252 AC/DC-HF/LIFT VRD (AQUA)



L Superior Tig 311 DC-HF/LIFT VRD



GHI



Green line

OPTIONAL

MMA - MIG/MAG - TIG MASK	TIG TORCHES	TIG TORCHES	TIG WELDING KIT	TROLLEY ARCTIC	REMOTE CONTROLS	STAINLESS STEEL TIG CLEANING KIT	TIG CONSUMABLES
 VANTAGE RED XL Automatic - Variable 802936 OTHER MASKS Pag. 17	4m 742614 G H I L 4m AQUA 742615 I L 8m 742616 G H I L	 4m 742618 POT* G H I L + adaptor 802810 4m AQUA 742617 POT* I L + adaptor 802810 8m 742619 POT* G H I L + adaptor 802810 8m AQUA 742620 POT* I L + ADAPTOR 802810	 802788 G H L Kit AQUA 802789 I WATER COOLING SYSTEM 802790 H L	 803059 G H I L 803074 G H L	 1 pot. 802219 2 pot. 802336 Pedal 802017	 CLEANTECH 200 850020 COOLANT FOR COOLING SYSTEMS 803073 I	 Pag. 83

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX} 40°C	A _{60%} 40°C	V ₀	A _{60%} MAX	P _{60%} MAX	η	φ	φ _{DC} MIN/MAX	IP	mm (LxWxH)	kg	GENERATOR ONLY	
		V (50-60Hz)	A	A EN60974-1	A EN60974-1	V	A	kW	A	η/cos φ	mm		mm (LxWxH)	gen (kit)	code	
G	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
H	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
I	Superior Tig 252 AC/DC-HF/LIFT VRD AQUA	+ ACC 816119												510x190x535	14,5 (25)	
L	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

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX



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



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



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



inverter



Blue line Green line

TIG CONSUMABLES PAG.83

OPTIONAL

MMA - MIG/MAG - TIG MASK	TIG TORCHES	TIG TORCHES	TIG WELDING KIT	COOLANT FOR COOLING SYSTEMS	TROLLEY MONDIAL	REMOTE CONTROLS	STAINLESS STEEL TIG CLEANING KIT
 VANTAGE RED XL Automatic - Variable 802936 OTHER MASKS Pag. 17	4m ST26 742614 A C 742427 (3P) B 742463 C 4m AQUA ST18A 742615 A C 742570 (3P) B 742462 C	 4m 742618 POT* A C + adaptor 802810 4m AQUA 742617 POT* A C + adaptor 802810 8m 742619 POT* A C + adaptor 802810 8m AQUA 742620 POT* A C + adaptor 802810	 802788 A C 802607 (3P) B Kit AQUA 802789 A C 802637 (3P) B	 803073 A B C 802640 A B C	 803072 A B C 803073 A B C	 1 pot. 802219 2 pot. 802336 Pedal 802017	 CLEANTECH 200 850020

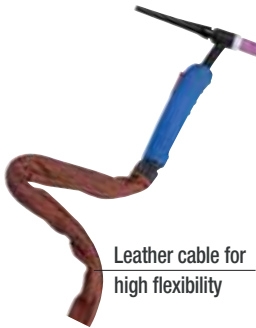
TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX} 40°C	A _{60%} 40°C	V _O	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	1/√3 cos φ	mm		mm (LxWxH)	gen (kit)	code		
A	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)			
B	Superior Tig 421 DC-HF/LIFT	+ ACC	816103	400* 3 ph	5÷350	350 35%	250	64	13 21	8 14	16	0,85 0,9	1,6 6	IP23	530x240x450	27 (32)	816017
	Superior Tig 421 DC-HF/LIFT AQUA	+ ACC	816104										935x500x1195	27 (67)			
C	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)			

Optional TIG TORCHES ...for a wider choice.

Blue Line ST17 - ST26 - ST18A (AQUA VERSION)

works on:
Technology Tig 185, 182, Superior 421, Supertig 200, 280/1,
Inverpulse 320, 425, 625



- Professional Tig Torch
- Leather cable for high flexibility
- 3 Pins connection

ST17 Blue Line 4m (DX25) cod. 742460
ST26 Blue Line 4m (DX50) cod. 742463
ST26 Blue Line 8m (DX50) cod. 742464

AQUA VERSION:
ST18A Blue Line 4m (DX50) cod. 742462
ST18A Blue Line 8m (DX50) cod. 742497

Green Line ST26 - ST18A (AQUA VERSION)

works on:
Technology Tig 222, 230, Superior Tig 251, 252, 311, 322, 422



- Professional Tig Torch
- Built-in remote control*
- Leather cable for high flexibility
- 5 Pins connection

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

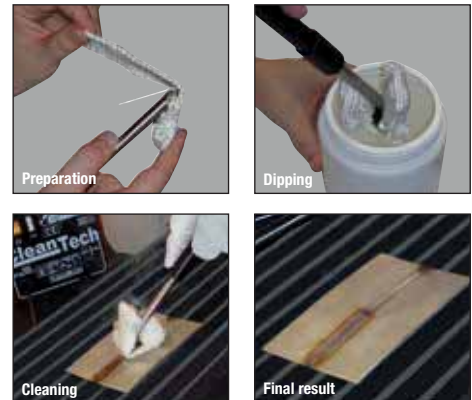
AQUA VERSION:
ST18A Green Line 4m (DX50) cod. 742617 (+802810)
ST18A Green Line 8m (DX50) cod. 742620 (+802810)



D Cleantech 100



E Cleantech 200



TELWIN

MARKING with MARKING KIT (cod. 804028)



TECHNICAL DATA

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

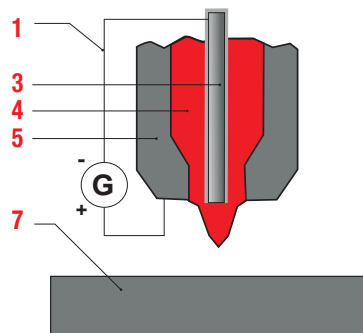
OPTIONAL

10 FIBERGLASS BANDS KIT 10PCS 980320 D	CLEANING LIQUID 3LT 322905 D	MARKING KIT 804028 E	LIQUIDS 1 2 3 4 PCS 1. CLEAN IT 804031 E 2. BRUSH IT 804030 E 3. MARK IT 804029 E	BRUSH KIT 981863 E MARKING STRIPS KIT 981865 E 0,5 m CLEANING STRIPS KIT 981866 E 10 PCS
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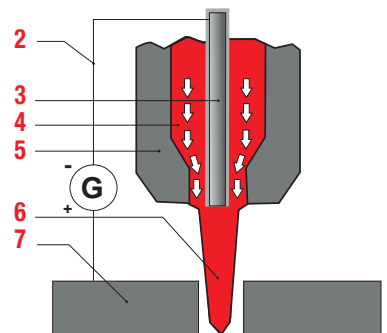
PLASMA PROCESS

- 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 decoupage 2.Circuit d'amorçage 3.Cathode
4.Gaz 5.Bec 6.Arc de decoupage 7.Metal
- ES| 1.Circuito de corte 2.Circuito de cebado 3.Cátodo 4.Gas
5.Injector 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 sparkle 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



inverter

WITH KOMPRESSOR



A Tecnica Plasma 31

B Technology Plasma 41

C Technology Plasma 54 Kompessor

NEW



D Superior Plasma 70

E Superior Plasma 100

F Superior Plasma 160

MANUAL & AUTOMATIC CUTTING

GOUGING



OPTIONAL

PLASMA TORCHES



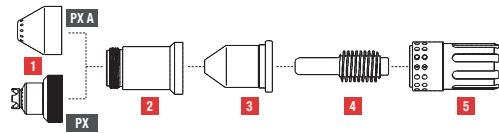
FOR AUTOMATIC SYSTEMS



CIRCULAR CUTTING UNITS



STARTER KIT



- 1 SHIELD
- 2 SAFETY CUP
- 3 NOZZLE
- 4 ELECTRODE
- 5 DIFFUSER

PXA		
45A	802879	
65A	802880	EF
85A	802881	
105A	802882	
125A	802886	F

PX		
45A	802958	
65A	802959	
85A	802960	EF
105A	802961	
125A	802966	
150A	802956	F

PLASMA CONSUMABLES



Pag.84

TECHNICAL DATA

	CODE	V _{PH}	A _{MIN}	A _{MAX} 40°C	A _{60°C}	V ₀	A _{MAX}	P _{MAX}	η	φ	IP	W _L	kjg			
		V (50-60Hz)	A	A EN60974-1	A EN60974-1	V	A	KW	A	η/cos φ	mm	L/min	bar	mm (LxWxH)	kg	
A	Tecnica Plasma 31	230 1 ph	5÷25	25 20%	-	430	19	2,8	16	0,8 0,6	8	100	5÷6	IP23	400x150x235	6,4
B	Technology Plasma 41	230 1 ph	7÷40	35 30%	-	405	26,5	4	16	0,85 0,7	12	100	4÷5	IP23	540x150x270	7,6
C	Technology Plasma 54 Kompessor	230 1 ph	7÷40	35 30%	-	400	27,5	4,5	16	0,7 0,7	10	-	-	IP23	550x170x340	16,5
D	Superior Plasma 70	230/400 3 ph	20÷70 (400V) 30%	70 30%	50	325	13	8,5	-	0,9 0,9	25	200	4÷5	IP23	470x190x355	15,8
E	Superior Plasma 100	230/400 3 ph	30÷100 (400V) 30%	100 30%	75	315	20,8	13,5	-	0,87 0,9	30	290	4÷5	IP23	530x240x450	28
F	Superior Plasma 160	230/400 3 ph	30÷160 (400V) 30%	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

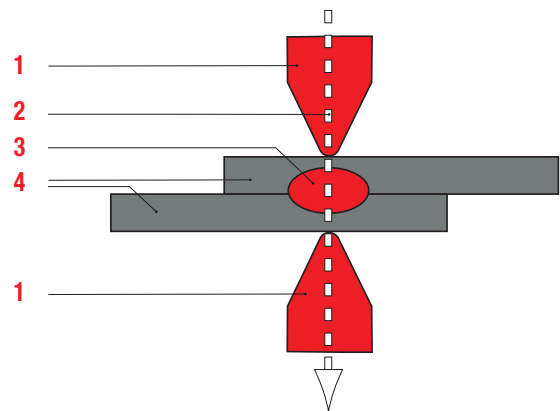
SPOT WELDING

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.Matérial 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.
- 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.
- 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.
- 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.
- 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.
- 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.

SPOT PROCESS

Spot/Hour	Modular 20/Ti	Digital Modular 230-400		Spotter 7000		Spotter 9000		Spotter 9000 AQUA	
Thickness	 CONTINUOUS	 CONTINUOUS	 PULSE	 CONTINUOUS	 PULSE	 CONTINUOUS	 PULSE	 CONTINUOUS	 PULSE
0,6+0,6	380	380	150	230	100	330	150	720	300
0,8+0,8	280	280	115	215	80	300	120	650	260
1+1	200	200	90	200	65	270	90	550	230
1,2+1,2	-	130	65	165	50	250	70	430	210
1,5+1,5	-	75	50	100	43	150	60	270	180
2+2	-	42	35	-	-	55	30	100	90
2,5+2,5	-	-	-	-	-	30	25	60	50
3+3	-	-	-	-	-	25	25	50	50

SMART INDUCTOR 5000



**Revolutionary!
Rivoluzionario!**



TELWIN
mod. Twister



version: CLASSIC

**QUICK & EASY
SMART
AUTOMATIC**

OPTIONAL

TROLLEY AMERICA 803074	SUCTION CUP 801406	REMOTE CONTROL mod. TWISTER 981147	FIBERGLASS BANDS KIT 10pcs 25x50mm 981161 10pcs 50x150mm 981160
--------------------------------------	----------------------------------	--	--

TECHNICAL DATA

STANDARD

	CODE	V _{PH}	HEAT TWISTER	SUPER REMOVER	PAD INDUCTOR	LEVERS (3X)	REMOTE CONTROL	GLASS GENIUS	WONDER PEN II	METAL RELEASER	P _{MAX}	F _{OUT}	P _{MAX OUT}	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

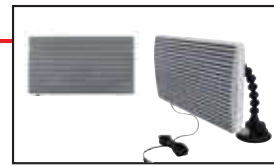
Facilitates the repair of hail dents, without removing the paint.



Ripara ammaccature da grandine senza sverniciare.



cod. 802421 - Extention



cod. 804032 - Dent Repair Led Lamp



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 frenafiletto

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX



DE



A Alucar 5100

B Aluspotter 6100

ALUMINIUM DENT PULLER

ALU DENT STARTER STATIONS



cod. 802853
more options pag. 54/55

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

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

STEEL DENT PULLER



C Digital Puller 5500 DUO

D Digital Puller 5500

E Digital Car Spotter 5500

OPTIONAL

DENT PULLING OPTIONAL



Pag. 53 **A B D E**

MANUAL "C" GUN



801041 **E**

MANUAL "X" GUN



801043 **E**

TROLLEY AMERICA



803074

DUO ACCESSORY KIT



804900 **C**

RINGVOLVER



804023 **C**

CONSUMABLES



802943

QUICK HAMMERS KIT



804024 **C**

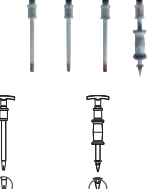
CONSUMABLES



804026 (3pcs)

802464 (5pcs)

QUICK CONNECTION CABLE



804027 **C**

TECHNICAL DATA

	CODE	V _{PH}	A _{MAX}	P _{MAX} 50%	V ₀	C	E _s T _s	#	Ø	Ø	cos φ	A _{OUT}	DUTY CYCLE	IP	W _H L	kg	
		V (50-60Hz)	A	kW	V	A	J/ms	studs/min	mm	mm		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	Digital Puller 5500 DUO	828125	230 1 ph	3800	10,5 1,8	5,6	16	-	-	-	-	0,8	2500	1,5	IP22	390x260x225	24
D	Digital Puller 5500 (400V)	828119	400 2 ph	3800	10,5 1,8	5,6	10	-	-	-	-	0,8	2500	1,5	IP22	390x260x225	21
	Digital Puller 5500 (230V)	828118	230 1 ph	-	-	16	-	-	-	-	-	-	-	-	-	-	-
E	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

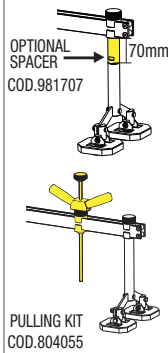
PULLING BAR

cod. 802433



STANDARD BAR	OPTIONAL BAR
0.9m	1.5m
	COD.802815

OPTIONAL:



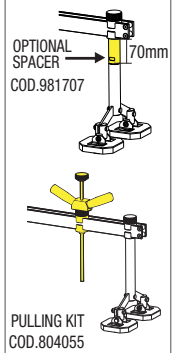
TRACTION BAR

cod. 802657



STANDARD BAR	OPTIONAL BAR
0.9m	1.5m
	COD.802815

OPTIONAL:

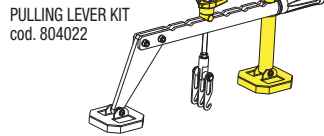


KIT MULTILEVER

cod. 802442



OPTIONAL:



MULTIHOOKS • MULTIGANCIO



EXTRACTORS • ESTRATTORI • EXTRACTEURS • EXTRACTORES • EXTRAKTOREN • ЦИПЦЫ

cod. 722952



OPTIONAL:



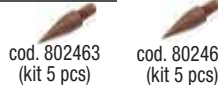
MAXI EXTRACTOR
cod. 802451



RAPID SPOT
cod. 802461



OPTIONAL:



POINTING MASS • MASSA A PUNTARE

cod. 802462



POSITIONER FOR WAVY WIRE

cod. 742087

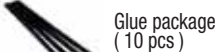
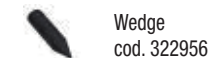
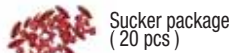
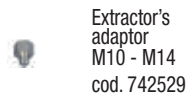
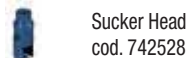


GLUE PULLER KIT



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

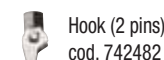
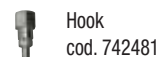
Glue kit:
 kit 10 pcs cod. 802735

COMPACT PULLER



cod. 802599

COMPLETE WITH HOOKS



PULL SYSTEM



cod. 804025

OPTIONAL



EXTRACTOR



cod. 722952
cod. 802451

cod. 742529

cod. 742528

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

STARTER STATIONS & PULLER STATIONS



COMPLETE SOLUTION 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



NEW

cod. 804060



cod. 803074

AMERICA TROLLEY



Alucar 5100

Aluspotter 6100

COMPLETE SOLUTION FOR STEEL AND ALUMINIUM



ALUMINIUM **NEW**

ALU STATION DELUXE
cod. 804905



ALUMINIUM
STEEL

COMBO ALU & STEEL
cod. 802851



ALUMINIUM **NEW**
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

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

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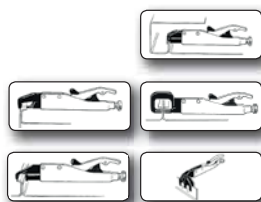
STARTER & PULLER STATIONS



	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. 803074	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. 804065					W		W
HEAT GUN cod. 804096					W		W
RUBBERIZED DOLLY SET KIT cod. 804063					W		W
SUGGESTED GENERATOR (NOT INCLUDED)							
ALUCAR 5100		W			W	W	W
ALUSPOTTER 6100							
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 ЗАЖИМЫЕ АВТОСЕКМЕНТА

cod. 802627



cod. 802586



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. 804064



light and portable

lithium batteries

CONSUMABLES:

FLAT STAPLES KIT

∅ 0,6mm 100pcs cod. 804075
 ∅ 0,8mm 100pcs cod. 804076

WAVE STAPLES KIT

∅ 0,6mm 100pcs cod. 804077
 ∅ 0,8mm 100pcs cod. 804078

INSIDE CORNER STAPLES KIT

∅ 0,8mm 100pcs cod. 804079
 ∅ 0,6mm 100pcs cod. 804080

INCLUDED



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

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

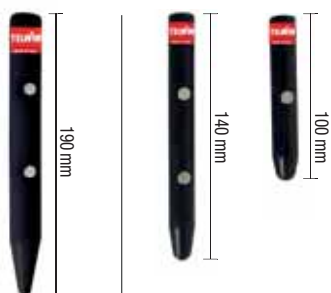
PORTA LIMA REGOLABILE + LIMA 9TPI • PORTE-LIME RÉGLABLE + LIME 9TPI
 • SOPORTE LIMA REGULABLE + LIMA 9TPI • EINSTELLBARER FEILENHALTER + FEILE 9TPI • РЕГУЛИРУЕМЫЙ ДЕРЖАТЕЛЬ НАПИЛЬНИКА + НАПИЛЬНИК 9TPI



cod. 804067

MAGNETIC TAP DOWN

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



cod. 804070

cod. 804071
 (Kit 2pcs)

2
PCS

RUBBER HAMMERS KIT (3pcs)

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



cod. 804066

3
PCS

ALUMINIUM HAMMERS KIT (3pcs)

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



cod. 804065

3
PCS



A Digital Spotter 7000

PULSE
GALVANISED

STANDARD

TROLLEY AMERICA
803074



B-C Digital Spotter 9000 (AQUA)

PULSE
GALVANISED

DIGITAL SPOTTER 9000 AQUA
WITH OPTIONAL POLE AND BALANCER



AQUA



OPTIONAL

KIT STUDDER



802832

**KIT STUDDER
AUTOMATIC**



802833

MANUAL "C" GUN



801041

MANUAL "X" GUN



801043

DOUBLE SPOT GUN



AIR COOLED

801052

B C

**LOAD BALANCER AND
POLE KIT**



802811

B C

**WELDING GUNS
FOR AUTOMOTIVE**



802627

802586

**COOLANT FOR
COOLING SYSTEMS**



802976

C

ARMS & ELECTRODES



Pag. 85

TECHNICAL DATA

	CODE	V _{PH} V (50-60Hz)	A _{OUT} A	V ₀ V	P _{MAX} kW	P _{50%} kW	Ø cos φ	mm	DUTY CYCLE %	IP	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 - С водяным охлаждением

(*) = 208-230V Mains power 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 inverter et les solutions conceptuelles novatrices appliquées garantissent une grande qualité et fiabilité des interventions.
- ES | Inverspotter 13500 e 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 bürden 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.

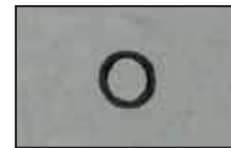
TYPES OF SPOT



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 **SMART AUTOSET** **Power Gun**
HSS READY **PULSE GALVANISED** **16A FUSE** **USB**



INCLUDED
CAPS EXTRACTOR

712331



A Inverspotter 13500 Smart AQUA

NO ADJUSTMENTS, FULL AUTOMATIC!



APPROVED by

 inverter **SMART AUTOSET** **Power Gun**
HSS READY **PULSE GALVANISED** **USB**

B Inverspotter 14000 AQUA



NEW

 APPROVED by
 Mercedes Benz

C Inverspotter 14000 Smart AQUA



OPTIONAL

KIT STUDDER 802699	"X" GUN 5m 801063	360 RING KIT 802866	LOAD BALANCER AND POLE KIT 802650	CAPS MAINTENANCE KIT AQUA 802767	ARM WALL ORGANIZER ^{2 pcs} 803106	WELDING GUNS FOR AUTOMOTIVE 802627	ARMS & ELECTRODES Pag. 86
				COOLANT FOR COOLING SYSTEMS 802976	MACHINE ANTIDUST COVER 804073 BC	 802586	

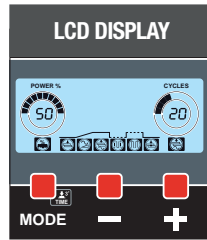
TECHNICAL DATA

	CODE	V _{PH} ≡ V (50-60Hz)	A _{OUT} ≡ A	V ₀ V	P _{MAX} kW	P _{50%} kW	≡ A	≡ cos φ	≡ Hz	≡ mm	≡ daN	DUTY CYCLE %	IP	≡ mm (LxWxH)	≡ kg	
A	Inverspotter 13500 Smart AQUA (*)	823079	400 3 ph	12000	8,4	41	6,2	16	0,9	5000	3+3+3	400	2	IP20	790x450x900	78
B	Inverspotter 14000 AQUA (*)	823077	400 3 ph	14000	13	60	9	-	0,8	8000	3+3+3	550	2	IP20	800x520x1150	100
C	Inverspotter 14000 Smart AQUA (*) (≡)	823350	400 3 ph	15000	13	68	10	-	0,8	8000	3+3+3	580	2	IP20	800x520x1150	100

(*) Mains power on request - A richiesta versione - Alimentation sur demande - Alimentación a requerimiento - Stromversorgung auf Anfrage - Питание по запросу
200-240V 3ph (Amax 14000) cod. 823353



MECHANICAL CONTROL



PNEUMATIC CONTROL



D PTE 18 LCD

E PTE 28 LCD



F PCP 18 LCD

G PCP 28 LCD

OPTIONAL

WATER COOLING SYSTEM



G.R.A. 90

802043

DEFG

KIT AQUA HOSES



802954

DEFG

ARMS & ELECTRODES



Pag. 85÷86



H Modular 20/TI



I Digital Modular 230

J 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					%				
D	PTE 18 LCD (**)	824050	400 2 ph	9700	2,6	22 kVA	15 kVA	-	0,7	3+3	190	330	15	IP20	790x320x1280	118
E	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
F	PCP 18 LCD (**)	824052	400 2 ph	9700	2,6	22 kVA	15 kVA	-	0,7	3+3	190	330	15	IP20	790x320x1280	118
G	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
H	Modular 20/TI	823015	230 1 ph	3800	2	6 kW	1,2 kW	16	0,9	1+1	-	-	1,5	IP20	440x100x185	9,9
I	Digital Modular 230	823016	230 1 ph	6300	2,5	13 kW	2,3 kW	25	0,9	2+2	-	-	1,5	IP20	440x100x185	10,5
J	Digital Modular 400	823017	400 2 ph	6300	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								•	•	•			✓				
	AUTOTRONIC 25 BOOST								•	•	•			✓				
	T-CHARGE 12 - EVO								•	•	•	• EVO	✓ EVO		✓			
	T-CHARGE 20 BOOST								•	•	•				✓			
	T-CHARGE 26 BOOST								•	•	•				✓			
	DOCTOR CHARGE 50 - PULSE 30, 50, DOCTOR CHARGE 130								•	•	•	• DC 50 • DC 130	✓ DC 50 ✓ DC 130		✓			
	TOURING								•	•	•			✓				
	NEVADA								•									
	ALPINE 13 - 15								•									
	ALPINE 18 - 20 BOOST								•									
	ALPINE 30 - 50 BOOST								•									
	NEVABOOST 100								•									
	COMPUTER 48/2 PROF								•									
Charge & Start	DOCTOR CHARGE 130								•	•	•		✓		✓			
	STARTRONIC 330								•	•	•		✓		✓			
	STARTRONIC 530								•	•	•		✓		✓			
	ALASKA 150 - 200 START								•	•	•			✓				
	LEADER 150 START								•									
	LEADER 220 START								•									
	DOCTOR START 330								•	•	•	•	✓		✓			
	LEADER 400 START - SPRINTER 3000 START - DYNAMIC 320 START								•									
	DOCTOR START 630								•	•	•	•	✓		✓			
	SPRINTER 4000 - 6000 START - DYNAMIC 420 - 520 - 620 START								•									
	ENERGY 650 - 1000 START								•									
	ENERGY 1500 START								•									
	Start	12V		20 Ah	60 Ah	80 Ah	100 Ah	150 Ah	200 Ah	24V							80 Ah	120 Ah
DRIVE MINI																		
DRIVE 9000 - 13000 - FLASH START 700																		
DRIVE PRO 12																		
STARTZILLA 2012																		
PRO START 2824 - DRIVE PRO 12/24																		
STARTZILLA 3024 - START PLUS 4824																		
START PLUS 6824																		

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.

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.

EN | AGM Batteries: These are solid (starved) electrolyte lead-calcium (PbCa) batteries. They are completely sealed. Maintenance-free.

IT | Batterie AGM: batterie al Piombo-Calcio (PbCa) ad elettrolita solido. Completamente sigillate. Sono batterie senza manutenzione.

FR | Batteries AGM: Batteries au plomb-calcium (PbCa) à électrolyte solide. Entièrement scellées. Aucun entretien nécessaire.

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

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

ES | Baterías AGM: Son baterías al plomo-calcio (PbCa) de electrolito sólido. Están completamente selladas. Son baterías sin mantenimiento.

DE | Batterien AGM: Blei-Kalzium-Batterien (PbCa) mit Feststoffelektrolyt. Vollständig versiegelt. Wartungsfreie Batterien.

RU | Аккумуля AGM: Это аккумуляторы со свинцом-кальцием (PbCa) с твердым электролитом. Они полностью герметичные. Эти аккумуляторы не нуждаются в техобслуживании.

Wet

Gel

AGM

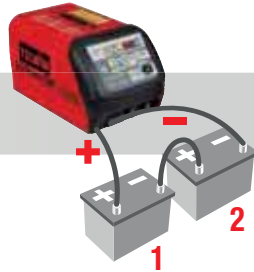
BATTERY CONNECTION

SERIAL CONNECTION

EN | Charge voltage = Sum of each voltage in V • Batteries need to have the same capacity in Ah

RU | Напряжение заряда = Сумма отдельных напряжений
• Аккумуляторы должны иметь одинаковую емкость в Ампер-час

$$\begin{matrix} 1 & 2 \\ 12V & + & 12V & = & 24V \\ 70 Ah & & 70 Ah & & 70 Ah \end{matrix}$$

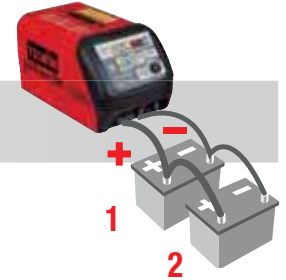


PARALLEL CONNECTION

EN | Charge capacity = Sum of each capacity in Ah • Batteries need to have the same voltage in V

RU | Напряжение заряда = Сумма отдельных емкостей • Аккумуляторы должны иметь одинаковое напряжение

$$\begin{matrix} 1 & 2 \\ 40 Ah & + & 35 Ah & = & 75 Ah \\ 12V & & 12V & & 12V \end{matrix}$$



TRONIC & PULSE TRONIC TECHNOLOGIES

AUTOMATIC CONTROL OF CHARGE PROCESS

EN | Regenerates sulphated batteries • automatic control of the charging process • spark-free reverse polarity and short circuit control • batteries last longer

IT | Ripristino batterie solfatate • controllo automatico del processo di carica • controllo inversione polarità e cortocircuito senza scintille • maggiore durata delle batterie

FR | Rétablissement batteries sulfatées • contrôle automatique du processus de charge • contrôle inversion polarité et court-circuit sans étincelles • durabilité accrue des batteries

ES | Restablecimiento de baterías sulfatadas • control automático del proceso de carga • control de la inversión de polaridad y cortocircuito sin chispas • mayor duración de las baterías

DE | Aufbereitung sulfatierter Batterien • automatische Steuerung des Ladevorgangs • funkenlose Kontrolle von Umpolung und Kurzschluss • längere Lebensdauer der Batterie

RU | Восстановление сульфатированных аккумуляторов • автоматический контроль процесса подзарядки • контроль при изменении полярности и коротком замыкании без искр • продление времени жизни аккумуляторов

CHARGE

MONITOR

MAINTAIN

Tronic



Defender 8



Autotronic 25 Boost



Touring



Alaska Start

CHARGE

MONITOR

PULSE MAINTAIN

Pulse Tronic



Pulse



Doctor Charge



T-Charge



Doctor Start



Startronic 330, 530

CHARGING & STARTING



Tronic



A Defender 8

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



CHARGE & MAINTAIN

AGM

COLD

RECOVERY

CHARGE & MAINTAIN

CUSTOM CHARGE

COLD

TEST

RECOVERY

SUPPLY



Pulse Tronic



B T-Charge 12

C T-Charge 12 EVO



TELWIN
mod. 12 EVO

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

INTERCHANGEABLE CONNECTORS



B C



Pulse Tronic

Wet Gel MF AGM Pb-Ca EFB

12V 24V

D T-Charge 20 Boost

OPTIONAL



EYELETS

12V PLUG CONNECTOR
DUAL SIZE



M6 802986 **B C**
M8 804037 **B C**

804038 **B C**



12V

E T-Charge 26 Boost

TECHNICAL DATA

	CODE	V _{PH}	P	V	A _{EFF}	A _{EN}	C _{MIN/MAX}	mm (LxWxH)	kg	
		V (50-60Hz) 1 ph	W	V	A	A	Ah 15h	mm (LxWxH)	kg	
A	Defender 8	807553	100-240	15	6/12	0,75	0,75	2-20	50x80x30	0,2
B	T-Charge 12	807567	230	55	6/12	4 (12V) 1 (6V)	4 (12V) 1 (6V)	2-70	170x65x35	0,6
C	T-Charge 12 EVO	807578	230	55	6/12	4 (12V) 1 (6V)	4 (12V) 1 (6V)	2-70	170x65x35	0,6
D	T-Charge 20 Boost	807563	230	110	12/24	8 (12V) 4 (24V)	8 (12V) 4 (24V)	5-180	300x95x55	1,3
E	T-Charge 26 Boost	807562	230	220	12	16	16	10-250	300x95x55	1,4

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⁺



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



MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

THE BATTERY MANAGER

Doctor⁺ charge



H Doctor Charge 50

NEW



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 **F G H**

CHARGING CABLES



6m 802793 **H**
10m 802794 **H**

DIAGNOSTIC TROLLEY



803077 **H**

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

SPOT WELDING

CHARGING & STARTING

INDEX

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH}	P	V	A _{EFF}	A _{EN}	A _{IV/C}	C _{MIN/MAX}	W _H	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



NEW



PowerStream⁺50%
TECHNOLOGY PERFORMANCE



TELWIN

Pulse⁺⁺⁺
Tronic



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 CHARACTERISTICS

	CODE	CHARGE	START	V _{PH}	P _{C/S}	V	A _{EFF}	A _{EN}	A _{1V/C}	C _{MIN/MAX}	W _H	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



B Doctor Start 330

C Doctor Start 630



TELWIN
mod. 330

OPTIONAL

FUSE KIT 20 PCS



802259 **B**
802029 **C**



Pulse⁺⁺⁺
Tronic



TELWIN
mod. 630

TECHNICAL DATA

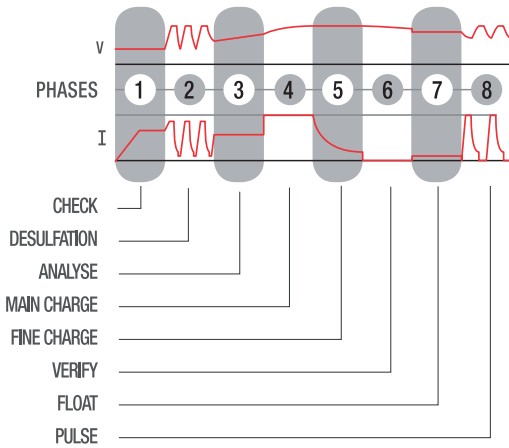
	CODE	V _{PH}	P _{C/S}	V	A _{EFF}	A _{EN}	A _{1V/C}	A _{START MAX}	C _{MIN/MAX}	W _H	kg	
		V (50-60Hz)	kW	V	A	A	A	A	Ah 15h	mm (LxWxH)	kg	
B	Doctor Start 330	829341	230 1 ph	1/6,4	12/24	45	30	180	300	10÷450	305x360x630	12,5
C	Doctor Start 630	829342	230 1 ph	2/10	12/24	90	70	360	570	10÷1050	365x460x755	23

PULSE TRONIC

Pulse Tronic

ELECTRONIC CONTROL OF CHARGE PROCESS

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



- EN** 1. Battery test 2. Sulphated/very discharged battery 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 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 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 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 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. 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



D Startronic 330



E Startronic 530

Pulse Tronic



OPTIONAL

FUSE KIT 10 PCS



802257 **F**

FUSE KIT 20 PCS



802259 **D**
802029 **E**
802258 **G**

TROLLEY AMERICA



803074 **DE**

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



F Autotronic 25 Boost



G Computer 48/2 PROF

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

MULTI Charger

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH}	A _{MIN}	P	P _{C/S}	V	A _{EFF}	A _{EN}	A _{START}	A _{TV/C}	C	N°	WxH	kg	
				V (50-60Hz)	A	W	kW	V	A	A	A	A	Ah 15h		mm (LxWxH)	kg	
D	Startronic 330	829033	x	x	230 1 ph	1÷30	-	1,1/7	6/12/24	50	30	230	210	10/450	-	390x260x230	16,3
E	Startronic 530	829034	x	x	230 1 ph	1÷40	-	1,5/9,5	6/12/24	75	40	400	300	10/600	-	390x260x230	19,5
F	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
G	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 11



C Nevada 15

OPTIONAL

FUSE KIT 10 PCS



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

FUSE KIT 20 PCS



- 802259 **I**



D Alpine 13



E Alpine 15



F Alpine 18 Boost



G Alpine 20 Boost



H Alpine 30 Boost



I Alpine 50 Boost

TECHNICAL DATA

	CODE	CHARGE	START	V _{PH}	P	V	A _{EFF}	A _{EN}	C _{MIN/MAX}	☀	W _L	kg	
				V (50-60Hz)	W	V	A	A	Ah 15h	N°	mm (LxWxH)	kg	
A	Nevada 10	807022	x	-	230 1 ph	50	12	4	2,5	25/40	-	95x190x180	1,7
B	Nevada 11	807023	x	-	230 1 ph	50	6/12	4	2,5	25/40	-	95x190x180	1,7
C	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
D	Alpine 13	807542	x	-	230 1 ph	80	12	6	4	40/70	-	170x250x165	2,7
E	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
F	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
G	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
H	Alpine 30 Boost	807547	x	boost	230 1 ph	800	12/24	30	20	15/400	3	225x290x205	8,6
I	Alpine 50 Boost	807548	x	boost	230 1 ph	1000	12/24	45	30	20/500	4	265x345x230	9,9

CHARGING & STARTING



J Leader 150 Start



K Leader 220 Start



L Leader 400 Start

OPTIONAL

FUSE KIT 20 PCS



- 802258 **J K**
- 802259 **L M**
- 802260 **N O**
- 802029 **P**



M Dynamic 320 Start

N Dynamic 420 Start



O Dynamic 520 Start

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



START



POWER BANK



LED LIGHT

INCLUDED

PLUG FOR CIGAR-LIGHTER



cod. 124910

JUMP STARTER CABLE



cod. 124916

D Drive Mini



USB out (2.1A)



1 led light (3 modes)



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	6500	12	1000	300	1	2,1	140x79x17	0,4



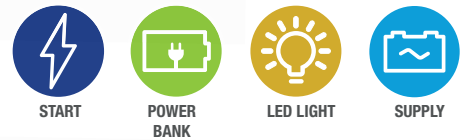
LITHIUM MULTI-FUNCTION JUMP STARTERS



12V **E** Drive 9000



TELWIN

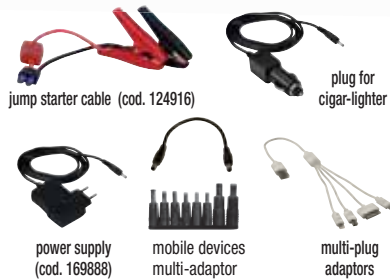


12V **F** Drive 13000



TELWIN

INCLUDED

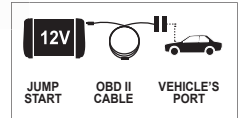


OPTIONAL



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



12V



2 USB - 12V - 19V



2 led lights (3 modes)



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) 1 ph	mAh	V	A	A		A	V	A	V	A	mm (LxWxH)	kg
E	Drive 9000	829565	100-240	12	1200	350	2	1/2,1	12	10	19	3,5	175x75x30	0,9
F	Drive 13000	829566	100-240	12	1500	450	2	1/2,1	12	10	19	3,5	175x75x30	0,9

STARTING



NEW



START



POWER BANK



LED LIGHT

INCLUDED



power supply



plug for cigar-lighter

12V **A** Drive Pro 12

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

THE S.O.SOLVER



C Startzilla 2012



D Startzilla 3024



ICE START



START



HIGH PERFORMANCE LITHIUM



TEMPERATURE CONTROL



ICE START



TEST



VOLT



START



ALTERNATOR



SAFETY



FULL SAFE



LONG LIFE



S.O.S. RESOURCES



LIGHTS



POWER BANK

OPTIONAL

KIT ACCESSORIES

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

802950



TELWIN

TECHNICAL DATA

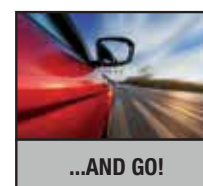
	CODE	V _{PH} = V (50-60Hz) 1 ph	C mAh	START V	A _{START MAX} A	A _{OUT} A	USB	A _{OUT} A	V _{OUT} V	A _{OUT} A	V _{OUT} V	A _{OUT} A	V _{OUT} V	A _{OUT} A	mm (LxWxH)	kg
A	Drive Pro 12V	829572	100-240	12	1600	470	2	1/2,1	-	-	-	-	-	-	190x80x35	1,1
B	Drive Pro 12/24V	829573	100-240	12/24	2000	500	2	1/2,1	-	-	-	-	-	-	190x80x70	1,5
C	Startzilla 2012	829521	100-240	12	2500	600	2	2,1	12	3,5	16	3,5	19	3,5	280x100x180	2,6
D	Startzilla 3024	829522	100-240	12/24	3000	800	2	2,1	12	3,5	16	3,5	19	3,5	280x100x180	3,3



SUPER CAPACITORS TECHNOLOGY

E Flash Start 700

HOW IT WORKS



TECHNICAL DATA

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

STARTING



12V 24V **F** Pro Start 2824



12V 24V **G** Start Plus 4824

H Start Plus 6824

STANDARD

**QUICK CHARGE
T-CHARGE 12**

pag. 64

G H

TECHNICAL DATA

	CODE	V _{PH} V (50-60Hz)	START V	A _h Ah	A _{START MAX} A	A _{OUT} A	W ^H mm (LxWxH)	kg
F	Pro Start 2824	230 1 ph	12/24	44 (12V) 22 (24V)	2500	800	335x205x360	16,2
G	Start Plus 4824	230 1 ph	12/24	40 (12V) 20 (24V)	4400 (12V) 2200 (24V)	1600 (12V) 800 (24V)	305x360x630	30
H	Start Plus 6824	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**



I Converter 310 USB

J Converter 500

K Converter 1000

TECHNICAL DATA

	CODE	P _{OUT} W	V _{IN} V	V _{OUT} V	F _{OUT} Hz	P _{MAX OUT} W	W ^H mm (LxWxH)	kg
I	Converter 310 USB	300	12	230 1 ph	50	600	170x95x54	0,8
J	Converter 500	500	12	230 1 ph	50	1000	232x130x71	1,9
K	Converter 1000	1000	12	230 1 ph	50	2000	337x130x71	2,8

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

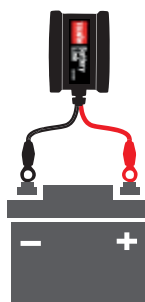
CHARGING & STARTING

INDEX

BATTERY LINK



NEW



Bluetooth 4.0



BATTERY STATUS

- Low
- Middle
- Full

12V 24V

TECHNICAL DATA

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



App name: **Battery Link**

BATTERY TESTER



ALTERNATOR TEST
START SYSTEM TEST
BATTERY START CAPABILITY

1 - T125 Battery Tester



2 - T200 Battery Tester



ALTERNATOR TEST
START SYSTEM TEST
BATTERY START CAPABILITY

3 - T500 Battery Tester



ALTERNATOR TEST

4 - DV300 Digital Voltmeter



ALTERNATOR TEST
START SYSTEM TEST

5 - BTS350 Led Battery & Alternator Tester



BATTERY START CAPABILITY

6 - DT400 Digital Battery Tester



ALTERNATOR TEST
START SYSTEM TEST
BATTERY START CAPABILITY

7 - DTS700 System & Battery Digital Tester



BATTERY START CAPABILITY

INCLUDED
KIT
2 PCS
cod. 950046

8 - 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	DV300	Digital Voltmeter	802782	6/12	20÷150	●	●	●	●	70x20x150	0,1
5	BTS350	Led Battery & Alternator Tester	802783	12	20÷150	●	●	●	●	50x18x125	0,1
6	DT400	Digital Battery Tester	802605	12	20÷200	●	●	●	●	78x22x145	0,2
7	DTS700	System & Battery Digital Tester	802665	12	20÷200	●	●	●	●	105x52x220	0,6
8	DTP800	Digital Battery Tester with Printer	802606	6/12	7÷250	●	●	●	●	110x50x215	1,3

MMA WELDING KITS

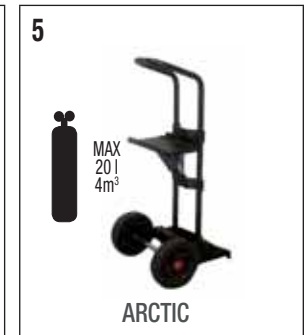
KIT SALDATURA MMA - KIT SOUDAGE MMA - KIT SOLDADURA MMA - MMA SCHWEISSKIT - КОМПЛЕКТ ДЛЯ СВАРКИ MMA



- 1** (10mm² 3+2 m DX25) x Force 165, 168 MPGE, 195, Motoinverter 174 CE **cod. 801000**
 (16mm² 3+2 m DX25) x Tecnica 171/S, 188 MPGE, 211/S, Advance 187 MV/PFC, Technology 186 HD, 216 HD, Motoinverter 204 CE, Artika 220, 270, Quality 280, Eurarc 310, Technomig 215 Dual Synergic, Technomig 223 Treo, Tecnica Tig 190, Advance 227 Tig, Technology Tig 182, Technology Tig 185 **cod. 801096**
- (25mm² 3+2 m DX25) x Eurarc 322, Technology 236 HD, 238 CE/MPGE, Motoinverter 254 CE, 264D CE, Thunder 220 AC **cod. 801102**
- 2** (25mm² 4+3 m DX50) x Linear 280, Eurarc 410, 422, Superior 250, 320, Electromig 220, 300, 230, 330, Technomig 243, Technology Tig 222, 230, Superior Tig 311, 251, 252, Supertig 200, 280/1 **cod. 801081**
- (35mm² 4+3 m DX50) x Linear 340, Thunder 304 CE, Electromig 400, 450, Superior Tig 322, Inverpulse 320 (AQUA) **cod. 801095**
- (50mm² 4+3 m DX50) x Eurarc 522, Linear 430 HD, Superior Tig 421, 422, Superior 400 CE VRD, Superior 400 Mig Pack (AQUA) **cod. 801093**
- 3** (70mm² 4+3 m DX70) x Linear 530 HD, 630 HD, Superior 630 CE VRD, Superior 630 Mig Pack (AQUA), Inverpulse 425, 625, Electromig 550 **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** (1150x590x1200mm) x Inverpulse 320, 425, 625 **cod. 803071**
- 2** (530x480x1080mm) x Superior Tig 322, 421, 422 **cod. 803072**
- 3** (983x489x1000mm) x Superior 400 MIG PACK, Superior 630 MIG PACK, Technomig 215, Electromig 220 **cod. 803076**
- 4** (940x480x1180mm) x Superior Tig 322, 421, 422, Technomig 215, Electromig 220 **cod. 803073**
- 5** (560x480x1100mm) x Technomig 150, 180 (EURO), 210 Dual Synergic, Superior Tig 251, 252, 311, Technology Tig 222, 230, Maxima 160, 190, 200 **cod. 803059**
- 6** (900x410x820mm) x Infinity Tig 225, Technomig 150, 180 (EURO), 210, Maxima 160, 190, Technology Tig 222, 230, Superior Tig 251, 252, 311, Alucar, Aluspotter, Digital Puller (DUO), Digital Car Spotter, Digital Spotter 7000, Startronic, Smart Inductor 5000 **cod. 803074**
- 7** (965x550x850mm) x Superior 630 **cod. 803064**
- 8** (770x565x895mm) x Professional Inverter **cod. 803051**
- 9** (770x565x895mm) x Doctor Charge 50, 130 **cod. 803077**
- 10** (730x610x1500mm) x Alucar 5100, Aluspotter 6100, Digital Puller 5500 (DUO), Digital Car Spotter 5500 **cod. 803095**

REMOTE CONTROLS

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



- 1 x Infinity Tig 225, Technology Tig 182, 185, 222, 230, Superior Tig, Superior 320, 400, 630, Technomig 225, Inverpulse, Supertig 280/1 **cod. 802219**
- 2 x Infinity Tig 225, Technology Tig 182, 185, 222, 230, Superior Tig, Supertig 280/1, Superior 320, 400, 630, Technomig 225, Inverpulse **cod. 802336**
- 3 x Infinity Tig 225, Technology Tig 182, 185, 222, 230, Superior Tig, Superior 320, 400, 630, Supertig 280/1, Inverpulse 425, 625 **cod. 802017**
x Turning table **cod. 802210**

CABLES WITH EARTH CLAMP



- x Technology Tig 182, 185, Supertig 200 m 2 16mm² DX25 **cod. 713058**
- x Technology Tig 222, 230, Superior Tig 251, 252, 311, Superior 320, Supertig 280/1 m 3 25mm² DX50 **cod. 713169**
- x Superior Tig, Superior 400, 630 m 3 50mm² DX50 **cod. 723031**

ELECTRODE HOLDER



- x Technomig 215, 223, Tecnica 190 Tig, Advance 227, Technology Tig 185, 182, Supertig 200, Maxima 200, 230 m 3 16mm² DX25 **cod. 713281**
- x Technomig 243 Wave, Electromig 220, 300, Superior 400, 630, Electromig 230, 330 Wave, Inverpulse, Technology Tig 230, 222, Superior Tig, Supertig 280/1 m 4 25mm² DX50 **cod. 713282**
- x Electromig 400, 450, 550 m 4 35mm² DX50 **cod. 713048**

GAS REGULATORS

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



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

cod. 722120

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



cod. 722341



cod. 722119



cod. 722346

GAS BOTTLE ADAPTORS

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



1

GB/AU



2

IT/USA

1 ARGON/CO₂ - GB-AU
cod. 432102

2 ARGON/CO₂ - ITA-USA
cod. 432036



3

DK/N/NL
S/SF



4

RU/BY

3 ARGON/CO₂ - DK-N-NL-S-SF
cod. 432160

4 ARGON/CO₂ - RU-BY
cod. 432700

G.R.A. WATER COOLING SYSTEMS

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



- 1 G.R.A. 90 x Mastermig 500, Supertig 280/1, PTE LCD, PCP LCD **cod. 802043**
- 2 G.R.A. 2500 x Supermig 480, 580 **cod. 802109**
- 3 G.R.A. 3000 x Inverpulse 320, 425, 625, Superior 630 MIG PACK **cod. 802497**
- 4 G.R.A. 3300 x Electromig 330 Wave **cod. 802942**
- 5 G.R.A. 4000 x Superior Tig 322, 421, 422, Superior 400 MIG PACK **cod. 802640**
- 6 G.R.A. 4500 x Superior Tig 252, 311 **cod. 802790**

	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. 2500	230 1 ph	180	4,5	3	0,8	270x390x330	13
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

AUTOTRANSFORMERS (3ph)

AUTOTRASFORMATORI - AUTOTRANSFORMATEURS - AUTOTRANSFORMATOREN
- AUTOTRANSFORMADORES - АВТОТРАНСФОРМАТОРЫ



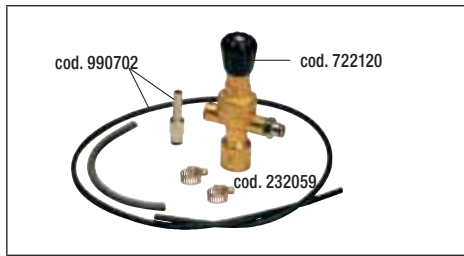
- 1 ATT 150 (208V-230V → 400V 15kVA) x Superior Tig 322, 421, 422 **cod. 802685**
- 2 ATT 300 (208V-230V → 400V 27kVA) x Inverpulse 320, 425, 625 **cod. 802681**

MIG-MAG ACCESSORIES



GAS KITS

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



cod. 802032

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



cod. 802708

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



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, 4.165, 152, 162, Maxima 160, 190 Synergic,
 Telmig 170/1, 180/2, Technomig 150, 180 Dual Synergic



cod. 802115 - Ø 0,8÷1mm

x Telmig 195/2, 200/2, 203/2, 250/2, 251/2, 281/2,
 Technomig 180 EURO, Technomig 210 Dual Synergic,
 Maxima 200, 230 Synergic



cod. 802817 - Ø 0,8÷1mm

x Technomig 215 Dual Synergic,
 Electromig 220 Synergic, Electromig 230 WAVE



cod. 802836 - Ø 0,8÷1mm

x Technomig 223 Treo, 243 Wave



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,
 Supermig 480 (AQUA), Superior 400 CE VRD (Mig Pack),
 Electromig 400 Synergic



cod. 802409 - Ø 1÷1,6mm

x Supermig 580 (AQUA), Superior 400, 630 CE VRD,
 Superior 400 Mig Pack AQUA, 630 Mig Pack (AQUA),
 Electromig 450 (AQUA), 550 (AQUA), Inverpulse 320 AQUA,
 Inverpulse 425 (AQUA), 625 (AQUA)



cod. 802596 - Ø 0,8÷1,2mm

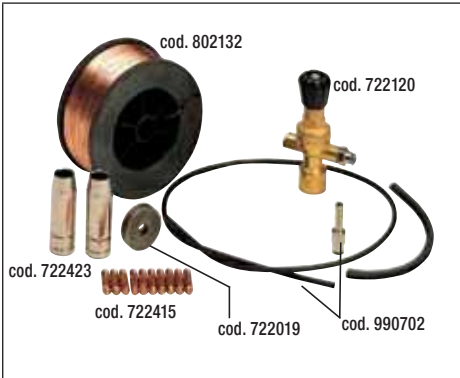
x Inverpulse 320

MIG-MAG ACCESSORIES



STEEL - ACCIAIO - ACIER - ACERO - STAHL - СТАЛИ

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



cod. 802147

x Bimax 140, 4.165, 152, 162, Technomig Dual Synergic, Maxima 160, 190, 200 Synergic

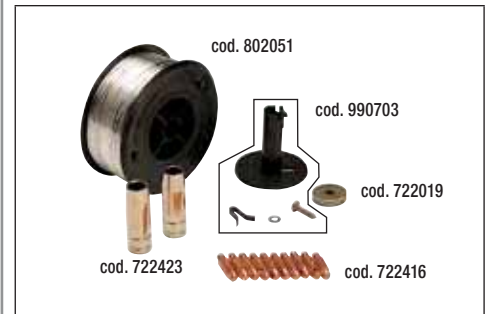
- REFILLABLE BOTTLE - BOMBOLA RICARICABILE
- BOUTEILLE RECHARGABLE - TANQUE RECARGABLE
- AUFFÜLLBAREFLASCHE - ПОДЗАРЯДНЫЙ ГАЗОВОЙ БАЛЛОН



cod. 802148

x Bimax 140, 4.165, 152, 162, Technomig Dual Synergic, Maxima 160, 190, 200, 230 Synergic

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



cod. 802037 - Ø 0,8mm

x Bimax 140, 4.165, 152, 162, Telmig 170/1, 180/2, 195/2, Telmig 200/2, 203/2, 250/2, 251/2, 281/2, Mastermig 220/2, Technomig Dual Synergic, Electromig 220 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), Inverpulse 320 (AQUA)

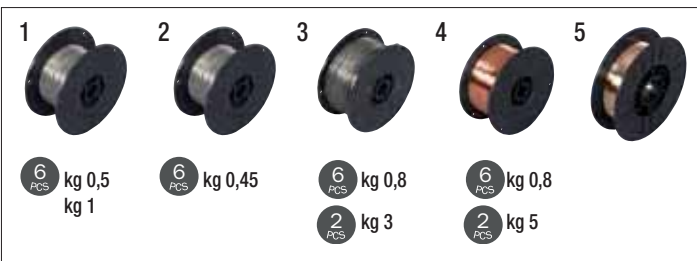


cod. 802276 - Ø 1,0±2,4mm

x Supermig 480 (AQUA), 580 (AQUA), Superior 400 Mig Pack AQUA, Superior 630 Mig Pack (AQUA), Electromig 550 (AQUA), Inverpulse 425 (AQUA), 625 (AQUA)

WIRE COILS

BOBINE FILO - BOBINES FIL - BOBINAS HILO - DRAHTSPULEN - БОБИНЫ ПРОВОЛОКИ



1 Stainless steel - Acciaio Inox - Acier inox - Acero inox - Inox stahl - Нержавеющая сталь
Ø 0,8 kg 0,5 **cod. 802051**
kg 1 **cod. 802061**

2 Aluminium - Alluminio - Aluminium - Aluminio - Aluminium - Алюминий
Ø 0,8 kg 0,45 **cod. 802062**
Ø 1 kg 0,45 **cod. 802064**
NEW Al Mg₅ Ø 1 kg 2 **cod. 804069**
NEW Al Si Ø 1 kg 2 **cod. 804072**

3 Flux cored wire - Filo animato - Fil fourré - Hilo de alma - Fülldraht - Порошковая проволока
Ø 0,8 kg 0,8 **cod. 802975**
kg 3 **cod. 802978**
Ø 0,9 kg 0,8 **cod. 802977**
kg 3 **cod. 802979**
Ø 1,2 kg 0,8 **cod. 802145**
kg 3 **cod. 802146**

4 Steel - Acciaio - Acier - Acero - Stahl - Сталь
Ø 0,6 kg 0,8 **cod. 802132**
kg 5 **cod. 802395**
Ø 0,8 kg 0,8 **cod. 802133**
kg 5 **cod. 802396**
kg 15 **cod. 802682**
Ø 1 kg 15 **cod. 802683**
Ø 1,2 kg 15 **cod. 802684**

5 Brazing wire - Filo per brasatura - Fil pour brasage - Hilo para cobresoldadura
- Lötendraht - Проволока для пайки
Cu Si₃ Ø 0,8 kg 0,8 **cod. 802495**
Cu Al₈ Ø 0,8 kg 0,8 **cod. 802496**
Cu Si₃ Ø 0,8 kg 3 **cod. 802434**

GAS BOTTLES

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



1 Anti-stick spray - Аэрозоль, препятствующий прилипанию (no silicon) **cod. 722000**

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**

MIG-MAG ACCESSORIES



PRODUCTS	BIMAX 110	BIMAX 140, BIMAX 4.165 TURBO	BIMAX 152, 162 TURBO, TECHNOMIG 150 DUAL SYNERGIC, MAXIMA 160	TECHNOMIG 180 DUAL SYNERGIC, MAXIMA 190	TELMIG 170/1, 180/2	TELMIG 195/2 200/2, 203/2, 250/2, 251/2 TURBO	MAXIMA 200, 230, MASTERMIG 220/2
ACCESSORIES							
Torches - Torce - Torches - Sopletes - Brenner - Горелки	 TW120 2 m □ 742270	 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 5 m □ 742182
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 □ 722667 (•) x Flux	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•) ∅ 1,2 □ 4.165 □ 722553 (•)	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•) ∅ 1,2 □ 722553 (•)	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•) ∅ 1,2 □ 722553 (•)	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•) x Al	∅ 0,8 □ 722556 (•) ∅ 1 □ 722552 (•) x Al	-
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	-	-	T. 150 □ 722151	□ 722151	□ 722151	□ 722151	-
Cylindrical Nozzles - Ugelli cilindrici - Becs cylindriques - Inyectores cilindricos - zylindrische Düsen - илиндрические соплы	□ 722054 (•)	-	□ 722149 (•)	-	-	□ 722149 (•)	-
Riveting Nozzles - Ugelli puntatura chiodi - Becs pointage clous - Inyectores punteado clavos - Nägelpunktendüsen - Соплы точечной сварки гвоздей	-	-	T. 150 □ 722672	□ 722672	□ 722672	□ 722672	□ 722672
Spot-welding Nozzles - Ugelli puntatura - Becs pointage - Inyectores punteado - Punktschweissdüsen - Соплы для точечной сварки	-	-	T. 150 □ 722150	□ 722150	□ 722150	□ 722150	□ 722150
Liners - Guaine guidafile - Gaiques pour fil - Vainas guia alambre - Drahtführungsseelen - Рукавы, направляющие проволоку	Fe ▶ 2/2,5 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	-
	Fe ▶ 5 m	-	-	-	-	∅ 0,6÷0,8 □ 722712 ∅ 1÷1,2 □ 722766	-
	Al ▶ 3 m	-	-	-	-	∅ 1÷1,2 □ 722516	-
Torch Swan Necks - Lance - Lances - Encorvados - Brennerhals - лебедьиные шеи	□ 722810	□ 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	∅ 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÷0,8 □ 722112 ∅ 1÷1,2 □ 742054
	Al	∅ 1 □ 4.165 □ 722629	-	∅ 1 □ 722629	-	∅ 1 □ 722629	∅ 0,8÷1 □ 742090 ∅ 1÷1,2 □ 722127
	Flux	∅ 0,6÷0,9 □ 722529	∅ 0,6÷0,9 □ 722529 ∅ 0,9÷1,2 □ 4.165 □ 722626	∅ 0,6÷0,9 □ 722529 ∅ 0,9÷1,2 □ BIMAX □ 722626	∅ 0,6÷0,9 □ 722529 ∅ 0,9÷1,2 □ 722626	-	-

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

2 PCS

6 PCS

10 PCS

12 PCS

(•) AVAILABLE AS BLISTER, see on page 93


























MIG-MAG ACCESSORIES



PRODUCTS	TECHNOMIG 180 EURO, TECHNOMIG 210 SYNERGIC	TECHNOMIG 215 DUAL SYNERGIC, ELECTROMIG 220 SYNERGIC	TECHNOMIG 223 TREO	TELMIG 281/2 TURBO	MASTERMIG 270/2, MASTERMIG 300, ELECTROMIG 300 SYN. ELECTROMIG 230, 330 WAVE	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 □ 742650 (RED) 3 m □ 742660 (BLU) 4 m □ 742181 5 m □ 742182		MT25 3 m □ 742183 4 m □ 742184 5 m □ 742185 NO TELMIG	MT15 3 m □ 742650 (RED) 3 m □ 742660 (BLU) MT25 ALU 3 m □ 742708 (GRAY)
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки	Steel 20 pcs □ 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	Al 20 pcs □ 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 MASTERMIG 270/2	□ 0,8 □ 722556 (•) □ 1 □ 722552 (•) □ 1,2 □ 722553
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки	Flux 20 pcs □ 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 сопла		□ 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 cilindriques - Inyectores cilindricos - zylindrische Düsen - иллиндрические сопла		□ 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 ▶ - Guaine guidafile - Guaines pour fil - Vainas guia alambre - Drahtführungsseelen - Рукавы, направляющие проволоку		□ 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			□ 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/ Contact Tip Holders - Diffusori gas/Supporti tubetto - Diffuseurs gaz/Supports tubes - Difusores gas/Sosten tubitos Gasdiffusoren/Kontaktrohrchenträger - Газовые диффузоры/Контактные трубки					□ 722688	□ MT 25 □ 722688
Feed Rolls - Rullini - Galets - Roldanas - Vorschubrollen - Ролики	Fe □ 0,6÷0,8 □ T.210 □ 722019 □ 0,6÷0,9 □ T.180 □ 722529	□ 0,6÷0,8 □ 722112 □ 1÷1,2 □ 742054	2 RULLI □ 0,6÷0,8 □ 722112 4 RULLI □ 0,6÷0,8 □ 722225 □ 1÷1,2 □ 742366	□ 0,6÷0,8 □ 722019 □ 1 □ 722629	□ 230, 270/2 □ 0,6÷0,8 □ 722112 □ 1÷1,2 □ 742054 □ E.330, MM 300 □ 0,6÷0,8 □ 722225 □ 1÷1,2 □ 742366	□ 0,6÷0,8 □ 722112 □ MT 15 □ 722112 □ 1÷1,2 □ 742054 □ MT 15 □ 742054
	Al	□ 1 □ 722629	4 RULLI □ 0,8÷1 □ 742304	□ 1 □ 722629	□ 230, 270/2 □ 0,8÷1 □ 742090 □ E.330, MM 300 □ 0,8÷1 □ 742304 □ 1÷1,2 □ 722167	□ 1÷1,2 □ 722167 □ MT 25 □ 722167
	Flux	□ 0,6÷0,9 □ 722529 □ 0,9÷1,2 □ 722626	4 RULLI □ 1÷1,2 □ 742729	-	□ E.230 □ 1÷1,2 □ 722130 □ E.330, MM 300 □ 1÷1,2 □ 742729	□ 1÷1,2 □ 722130 □ MT 15 □ 722130

MIG-MAG ACCESSORIES



PRODUCTS	INVERPULSE 320, ELECTROMIG 400, 450	MASTERMIG 400, 500 SUPERMIG 380, 480, SUPERIOR 400 MIG PACK	SUPERMIG 580, SUPERIOR 630 MIG PACK, ELECTROMIG 550, INVERPULSE 425, 625,	AQUA VERSION* MASTERMIG 500, SUPERMIG 480, 580, SUPERIOR MIG PACK, ELECTROMIG 450, 550, 330 WAVE, INVERPULSE	SPOOL GUN M6  K4 
ACCESSORIES					
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	M6 802407 K4 802630
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки  Steel	 MT36 \emptyset 0,6 722415 (*) \emptyset 0,8 722680 \emptyset 1 722681 \emptyset 1,2 722682 \emptyset 1,6 722797 NO INV. 320		 MT40 \emptyset 0,8 722581 \emptyset 1 722582 \emptyset 1,2 722583 \emptyset 1,6 722587		 MT500 \emptyset 0,6 722415 (*) \emptyset 0,8 722416 (*)
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки  Al	 Al \emptyset 0,8 742466 \emptyset 1 742467 \emptyset 1,2 742468		 Al \emptyset 0,8 722556 (*) \emptyset 1 722552 (*) \emptyset 1,2 722553 \emptyset 1,6 722818		 Al \emptyset 0,8 722556 (*) \emptyset 1 722552 (*)
Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки  Flux	 Flux \emptyset 1 722552 (*) \emptyset 1,2 722553		 Flux \emptyset 1 722769 \emptyset 1,2 722770 \emptyset 1,6 722771 NO INV. 320 \emptyset 2 722772 NO INV. 320		-
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 - илиндрические 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
Spot-welding Nozzles - Ugelli puntatura - Becs pointage - Inyectores punteado - Punktschweißdüsen - Соплы для точечной сварки 	722794		-	722594	-
Liners - Guaine guidafile - Guaines pour fil - Vainas guia alambre - Drahtführungsseelen - Рукавы, направляющие проволоку  Fe 3 m	\emptyset 0,6÷0,8 722437 \emptyset 1÷1,2 722689	\emptyset 0,6÷0,8 722437 \emptyset 1÷1,2 722689 \emptyset 1,2÷1,6 722795	\emptyset 1÷1,2 722689 \emptyset 1,2÷1,6 722795	\emptyset 1÷1,2 722590 \emptyset 1,2÷1,6 722588 NO INV. 320	-
Fe 5 m	\emptyset 0,6÷0,8 722712 \emptyset 1÷1,2 722766	\emptyset 0,6÷0,8 722712 \emptyset 1÷1,2 722766 \emptyset 1,2÷1,6 722796	\emptyset 1÷1,2 722766 \emptyset 1,2÷1,6 722796	\emptyset 1÷1,2 722780 \emptyset 1,2÷1,6 722767 NO INV. 320	-
Al 3 m	\emptyset 1÷1,2 742164	\emptyset 1÷1,2 722516 \emptyset 1,6÷2 722597	\emptyset 1÷1,2 742164 \emptyset 1,2÷1,6 722597 NO INV. 320	-	-
Torch Swan Necks - Lance - Lances - Encorvados - Brennerhals - лебединые шеи 	722788		722801	722708	M6 990662 K4 980942
Springs - Molle - Resorts - Muelles  10 PCS - Feder - Пружины	-		-	-	722319 (*)
Gas diffusers - Diffusori gas - Diffuseurs gaz  10 PCS - Difusores gas - Gasdiffusoren - Газовые диффузоры	722791		722802	722593	-
Contact Tip Holders - Supporti tubetto - Supports tubes - Sostén tubitos - Kontaktrohrchentragter - Контактные трубки  10 PCS	722789		722807	722709	-
Feed Rolls - Rullini - Galets - Roldanas - Vorschubrollen - Ролики  Fe	\emptyset 0,6÷0,8 722225 \emptyset 0,8÷1 722227 \emptyset 1÷1,2 742366	\emptyset 0,6÷0,8 722225 \emptyset 0,8÷1 722227 \emptyset 1÷1,2 742366 \emptyset 1,2÷1,6 722241	\emptyset 0,6÷0,8 722225 \emptyset 0,8÷1 722227 \emptyset 1÷1,2 742366 \emptyset 1,2÷1,6 722241 NO INV. 320	\emptyset 0,6÷0,8 M6 742191	
Al	\emptyset 0,8÷1 742304 \emptyset 1÷1,2 722167	\emptyset 0,8÷1 742304 \emptyset 1÷1,2 722167 \emptyset 1,2÷1,6 722169	\emptyset 0,8÷1 742304 \emptyset 1÷1,2 722167 \emptyset 1,2÷1,6 722169 NO INV. 320	\emptyset 0,8÷1 M6 742193 \emptyset 0,8÷0,9 K4 742519 \emptyset 1÷1,2 K4 742520	
Flux	\emptyset 1÷1,2 742729	\emptyset 1÷1,2 742729 \emptyset 1,6÷2,4 742730 NO MM. 400, SUP. MIG 380	\emptyset 1÷1,2 742729 \emptyset 1,6÷2,4 742730 NO INV. 320	-	

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

2 PCS

6 PCS

10 PCS

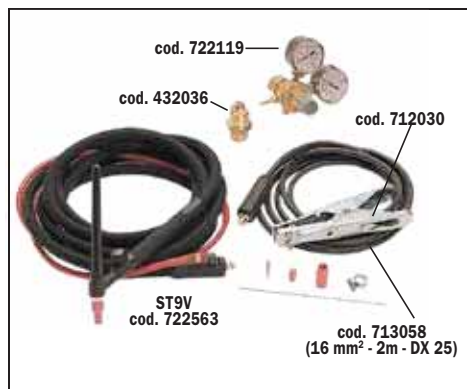
12 PCS

*AQUA = WATER COOLED

(*) AVAILABLE AS BLISTER, see on page 93

TIG WELDING KITS

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



cod. 801097

x Tecnica 171/S, 211/S, 188 MPGE, Tecnica 190 Tig, Technology 186 HD, 216 HD, 236 HD, Technology 238 CE/MPGE, Advance 187, 227 Tig, Infinity 170, 180, 220, 228 CE, Motoinverter 174 CE, 204 CE, 254 CE, 264D CE



cod. 802415

x Technology Tig 182, 185



cod. 802607

x Superior Tig 421



cod. 802637

x Superior Tig 421 AQUA



cod. 802788

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



cod. 802789

x Superior Tig 252 AQUA, 322 AQUA, 422 AQUA

CLEANTECH 200

MARKING KIT <p>cod. 804028</p>	BRUSH KIT <p>5 PCS cod. 981863</p>
LIQUIDS <p>1 2 3</p>	MARKING STRIPS KIT <p>0,5 m cod. 981865</p>
	CLEANING STRIPS KIT <p>10 PCS cod. 981866</p>
	<p>1. CLEAN IT cod. 804031 2. BRUSH IT cod. 804030 3. MARK IT cod. 804029</p>

REMOTE DEVICE

cod. 802810

Remote Device + Torch with potentiometer

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

TIG TORCH SPARE PARTS

1		3	
2		4	

Long cap - Cappuccio lungo - Capuchon long
Capucha larga - Lange kappe - Хвостовик длинный

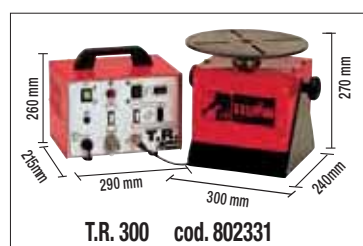
1 x ST9V cod. 722981
2 x ST17, ST18A, ST26, ST26V cod. 722193

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 _T	RPM
50/60 Hz	W	kg max	N°
230 1 ph	250	10	0÷10

PLATE 300 MM DIAM. MAY BE INCLINATED TO 90°
• PIASTRA Ø 300 MM INCLINABILE DI 90°
• ПЛАКА Ø 300 MM А INCLINACION А 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 185, 182 SUPERTIG 200 	INFINITY TIG 225, TECHNOLOGY TIG 222, 230, SUPERIOR TIG 251, 252, 311 	SUPERIOR 250, 320, 400, 630 CE, TECHNOMIG 243, ELECTROMIG 230, 330 WAVE 	SUPERIOR TIG 252 AQUA, 311, SUPERIOR TIG 322, 422 AQUA 	SUPERIOR TIG 421, SUPERTIG 280/1, INVERPULSE 320, 425, 625 	AQUA VERSION SUPERIOR TIG 421, INVERPULSE 320, 425, 625, SUPERTIG 280/1
Torches - Torce - Torches - Sopletes - Brenner - Горелки 	4m DX25 ST9V ☐ 722563 (801097)	-	-	-	-	-	-
Torches - Torce - Torches - Sopletes - Brenner - Горелки 	4m DX25 -	ST17 ☐ 742423 Blue line ☐ 742460	-	-	-	-	-
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)	ST26 ☐ 742427 Blue line ☐ 742463	-
Torches - Torce - Torches - Sopletes - Brenner - Горелки AQUA = water cooled 	4m DX50 AQUA -	-	-	-	AQUA VERSION ST18A ☐ 742615 Green line ☐ 742617 POT* (+ device ☐ 802810)	-	ST18A ☐ 280/1 ☐ 742426 ☐ 421, 320, 425, 625 ☐ 742570 Blue line ☐ 742462
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)	ST26 ☐ 742431 Blue line ☐ 742464	-
Torches - Torce - Torches - Sopletes - Brenner - Горелки AQUA = water cooled 	8m DX50 AQUA -	-	-	-	AQUA VERSION ST18A Green line ☐ 742620 POT* (+ device ☐ 802810)	-	ST18A Blue line ☐ 742497
Grey Cerium Tungsten Electrodes - Elettrodi tungsteno ceriato grigio - Electrodes gris tungstène - cerium - Electrodes tungsteno gris - Graue Zeriumwolfram Elektroden - вольфрамовые электроды с церием серого цвета DC 	☐ 01 ☐ 802220 ☐ 1,6 ☐ 802222 10 PCS	☐ 01 ☐ 802220 ☐ 1,6 ☐ 802222 ☐ 2,4 ☐ 802232 ☐ 3,2 ☐ 182 ☐ 802233 10 PCS	☐ 01 ☐ 802220 ☐ 1,6 ☐ 802222 ☐ 2,4 ☐ 802232 ☐ 3,2 ☐ 802233 10 PCS	☐ 01 ☐ 802220 ☐ 1,6 ☐ 802222 ☐ 2,4 ☐ 802232 10 PCS	-	☐ 01 ☐ 802220 ☐ 1,6 ☐ 802222 ☐ 2,4 ☐ 802232 ☐ 3,2 ☐ 802233 10 PCS	-
Green Pure Tungsten Electrodes - Elettrodi tungsteno puro verde - Electrodes verts tungstène pur - Electrodes tungsteno puro verde - Grüne Reinwolframelektroden - чисто вольфрамовые зеленые электроды AC 	-	☐ 01 ☐ 182 ☐ 802234 ☐ 1,6 ☐ 182 ☐ 802235 ☐ 2,4 ☐ 182 ☐ 802236 10 PCS	☐ 222 ☐ 01 ☐ 802234 ☐ 1,6 ☐ 802235 ☐ 2,4 ☐ 802236 ☐ 3,2 ☐ 802237 ☐ 04 ☐ 802238 10 PCS	-	-	☐ 252, 280/1, 322, 422 ☐ 01 ☐ 802234 ☐ 1,6 ☐ 802235 ☐ 2,4 ☐ 802236 ☐ 3,2 ☐ 802237 ☐ 04 ☐ 802238 10 PCS	-
Electrode Diffusers - Diffusori elettrodo - Diffuseurs pour électrode - Difusores para electrodo - Elektrodendifusores - диффузоры электрода 	☐ 01 ☐ 802226 ☐ 1,6 ☐ 802228 3 PCS	☐ 01 ☐ 802249 ☐ 1,6 ☐ 802250 ☐ 2,4 ☐ 802251 3 PCS	☐ 01 ☐ 802249 ☐ 1,6 ☐ 802250 ☐ 2,4 ☐ 802251 ☐ 3,2 ☐ 802252 ☐ 04 ☐ 802253 3 PCS	☐ 01 ☐ 802249 ☐ 1,6 ☐ 802250 ☐ 2,4 ☐ 802251 3 PCS	-	☐ 01 ☐ 802249 ☐ 1,6 ☐ 802250 ☐ 2,4 ☐ 802251 ☐ 3,2 ☐ 802252 ☐ 04 ☐ 802253 3 PCS	-
Electrode Holders - Pinze serra elettrodo - Pinces porte-électrode - Pinzas porta electrodo - Elektrodenhalter - зажимы электрода 	☐ 01 ☐ 802223 ☐ 1,6 ☐ 802225 3 PCS	☐ 01 ☐ 802239 ☐ 1,6 ☐ 802240 ☐ 2,4 ☐ 802241 3 PCS	☐ 01 ☐ 802239 ☐ 1,6 ☐ 802240 ☐ 2,4 ☐ 802241 ☐ 3,2 ☐ 802242 ☐ 04 ☐ 802243 3 PCS	☐ 01 ☐ 802239 ☐ 1,6 ☐ 802240 ☐ 2,4 ☐ 802241 3 PCS	-	☐ 01 ☐ 802239 ☐ 1,6 ☐ 802240 ☐ 2,4 ☐ 802241 ☐ 3,2 ☐ 802242 ☐ 04 ☐ 802243 3 PCS	-
Ceramic nozzles - Ugelli ceramico - Becs céramique - Inyectores ceramicos - Keramische Düsen - керамические сопла 	№ 4 ☐ 802229 № 5 ☐ 802230 № 6 ☐ 802231 10 PCS	№ 4 ☐ 802244 № 6 ☐ 802245 № 7 ☐ 802246 10 PCS	№ 4 ☐ 802244 № 6 ☐ 802245 № 7 ☐ 802246 № 8 ☐ 802247 10 PCS	№ 4 ☐ 802244 № 6 ☐ 802245 № 7 ☐ 802246 10 PCS	-	№ 4 ☐ 802244 № 6 ☐ 802245 № 7 ☐ 802246 № 8 ☐ 802247 № 10 ☐ 802248 10 PCS	-

* POT = current potentiometer - potenziometro corrente - potentiomètre courant - potenciómetro corriente - Strom Potentiometer - потенциометр тока

PLASMA ACCESSORIES



PRODUCTS ACCESSORIES	TECNICA PLASMA 31, TECHNOLOGY PLASMA 41	TECHNOLOGY PLASMA 54 K	SUPERIOR PLASMA 70	SUPERIOR PLASMA 100 SUPERIOR PLASMA 160	SUPERIOR PLASMA 70 SUPERIOR PLASMA 100 SUPERIOR PLASMA 160
					AUTOMATIC
Torches - Torce - Torches - Sopletes - Brenner - Горелки	MANUAL PH 4 m □ 31 □ 742685 4 m □ 41 □ 742237	PK 4 m □ 742381	PV 6 m □ 804041	PX 6 m □ 802965 12 m □ 802973	
Torches - Torce - Torches - Sopletes - Brenner - Горелки	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	45A □ 802879 65A □ 802880 85A □ 802881 105A □ 802882 125A □ 160 □ 802886
Shield - Schermo - Bouclier - Protección - Schütz - Экрано	-	-	□ 804050 2 PCS	45A - 85A □ 802963 100A - 150A □ 802964 2 PCS	45A - 85A □ 802884 100A - 125A □ 802885 2 PCS
Prolonged Shield	-	-	□ 804051 2 PCS	-	-
Gouging Shield - Schermo Scriccatura - Bouclier Déricage - Protección Torchado - Fugenhobeln Schütz- Экранов Для Плазменной Резки	-	-	45A □ 804061 3 PCS	125A □ 804016	- 3 PCS
Nozzles - Ugelli - Buses - Toberas - Düsen - Соплы	□ 802423 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	45A □ 802892 65A □ 802893 85A □ 802894 105A □ 802895 125A □ 160 □ 802896 5 PCS
Long nozzles - Ugelli prolungati - Buses prolongées - Toberas prolongados - Verlängerte Düsen - Удлиненные Соплы	□ 802429	-	20-50A □ 804046 70A □ 804048 5 PCS	-	-
Gouging Nozzles - Ugelli Scriccatura • Buses Déricage • Inyectores Torchado • Fugenhobeln Düsen • Сопел Для Плазменной Резки	-	-	45A □ 804062 5 PCS	125A □ 804017	- 5 PCS
Electrodes - Elettrodi - Electrodes - Electrodos - Elektroden - Электроды	□ 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 - Electrodos prolongados - Verlängerte Elektroden - Удлиненные Электроды	□ 802428 5 PCS	-	□ 804043 5 PCS	-	-
Torch Safety Caps - Puntali torcia - Embouts torche - Puntales soplete - Stösselschaften - Наконечники орелки	□ 802425 2 PCS	□ 802485 2 PCS	□ 804049	45A - 85A □ 802887 100A - 150A □ 802890	45A - 85A □ 802887 100A - 150A □ 802890
Insulating Diffusors - Diffusori isolanti - Diffuseurs isolants - Difusores aislantes - Isolierte Diffusoren - Изолирующие диффузоры	□ 802422 2 PCS	-	□ 804044 2 PCS	45A - 85A □ 802888 100A - 150A □ 802891 2 PCS	45A - 85A □ 802888 100A - 150A □ 802891 2 PCS
OR Rings - Anelli OR - Anneaux OR - Tornillos OR - OR Ringen - Кольца OR	-	-	□ 804052 10 PCS	□ 804053 10 PCS	□ 804053 10 PCS
Magnetic guides - Guide magnetiche - Rayures magnétiques - Guías magnéticas - Magnetischürungen - Магнитная направляющая	□ 802143	□ 802143	-	-	-
Circular cutting units - Unità circolari di taglio - Unités de decoupage circulaire - Unidades de corte circular - Rundschnideanlage - Круговое Устройство Резки	□ 802214	-	□ 804059	□ 804059	□ 804059

Q.TY FOR SALES BY MULTIPLE OF/Q.TA' DI VENDITA PER MULTIPLI DI: 2 KITS

SPOT WELDING ACCESSORIES



SMART INDUCTOR 5000



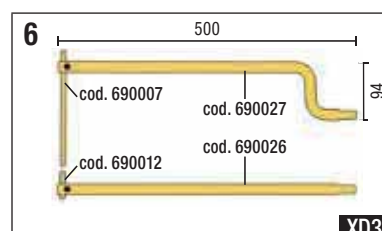
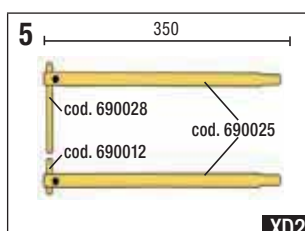
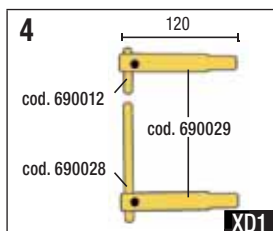
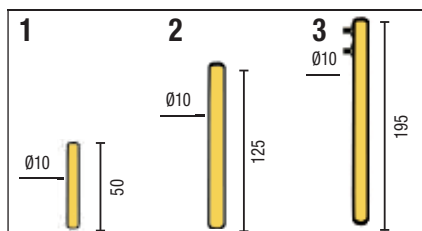
CONSUMABLES FOR HEAT TWISTER:

1  VERTICAL Kit 2 Twister 10V M8/M10 kit 2 Twister 14V M12/M14 kit 2 Twister 18V M16/M18	2  HORIZONTAL Kit 2 Twister 10H M8/M10 kit 2 Twister 14H M12/M14 kit 2 Twister 18H M16/M18	3  WIRES kit 2 Twister wires cod. 801419
cod. 801413 cod. 801414 cod. 801415	cod. 801416 cod. 801417 cod. 801418	

DIGITAL CAR SPOTTER



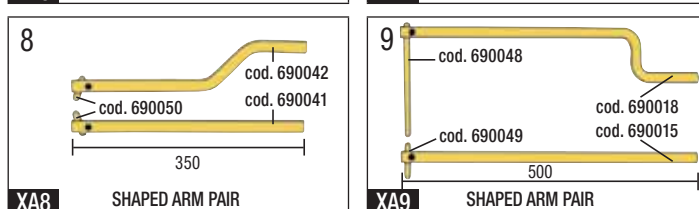
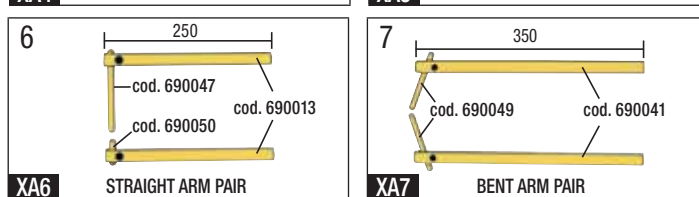
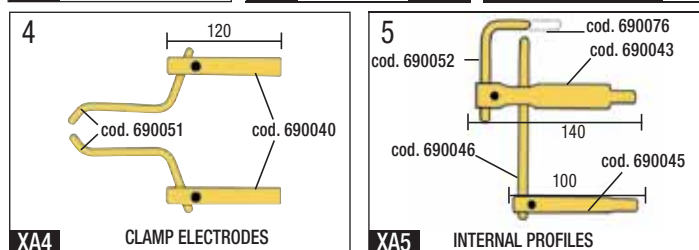
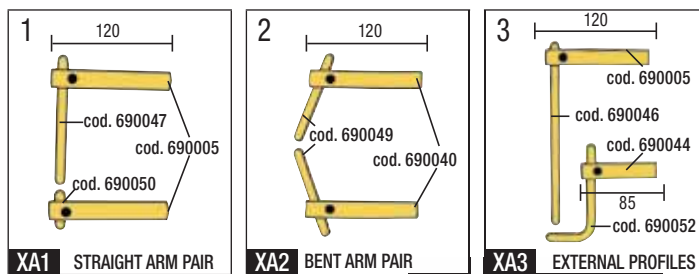
- | | | | |
|--------------------------|-------------|---|-------------|
| 1. L=50 mm..... | cod. 690012 | 4. XD1..... L=120 mm (standard)..... | cod. 803015 |
| 2. L=125 mm | cod. 690028 | 5. XD2..... L=350 mm | cod. 803017 |
| 3. L=195 mm | cod. 690007 | 6. XD3..... L=500 mm | cod. 803024 |



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

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
- 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.57



AUTOMOTIVE WELDING CLAMPS



SPOT WELDING ACCESSORIES



INVERSPOTTER 13500 SMART AQUA - 14000 AQUA - 14000 SMART AQUA



- Arms with electrodes
- Bracci con elettrodi
- Bras avec électrodes
- Brazos con electrodos
- Arme mit Elektroden
- Пара кронштейнов с электродами

ELECTRODES



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

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

CAPS MAINTENANCE KIT AQUA

CMKA AQUA
cod. 802767

GREASE

cod. 321132

ELECTRODE HOLDER KIT long/short

x CA1
cod. 802868

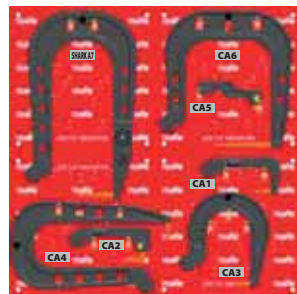
ARM WALL ORGANIZER KIT

cod. 803106 (2 pcs) dimension 600x600mm

NEW

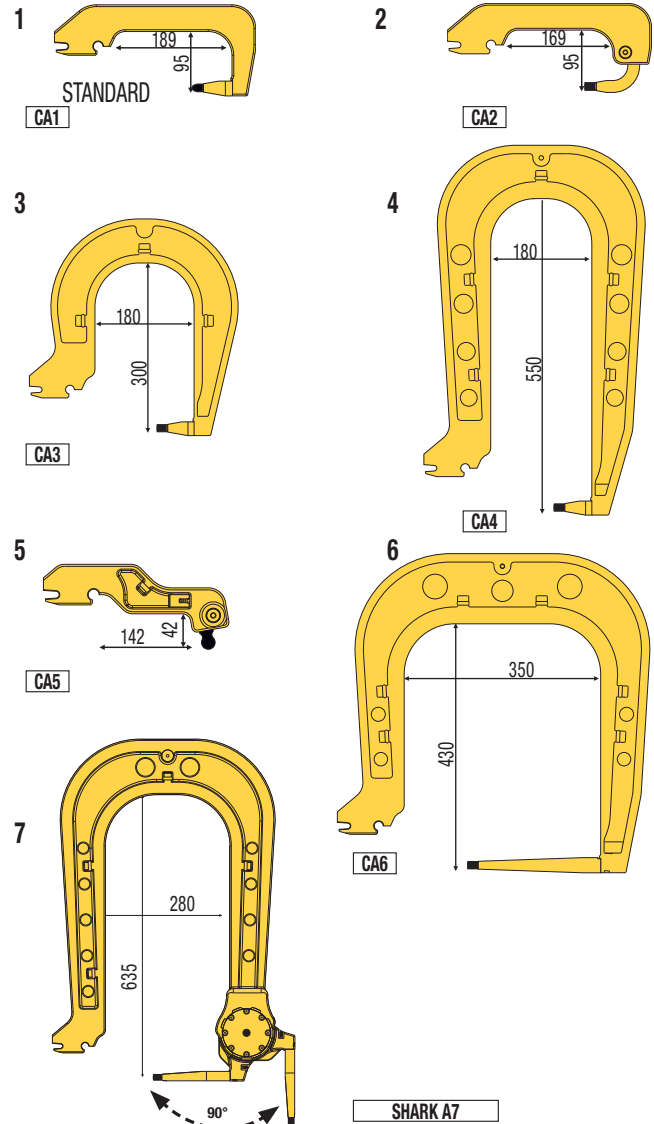


cod. 803106 (2 pcs)



cod. 803106 (2 pcs)

ARMS

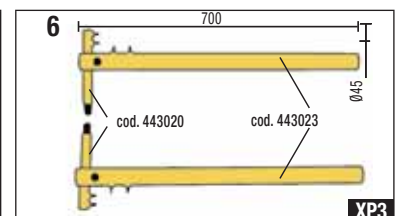
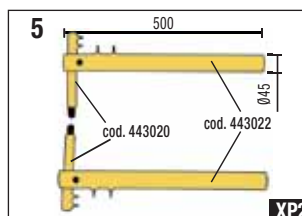
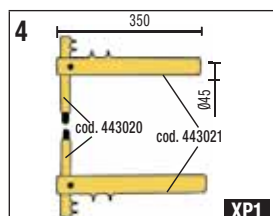
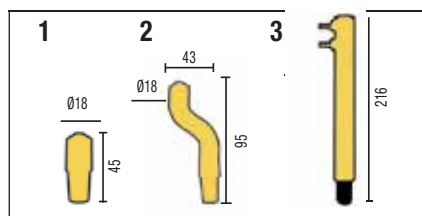


WATER COOLED ARMS

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

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



PROFESSIONAL WELDING HELMETS



Grinding Mode



- Modalità Smerigliatura
- Modalité Ponçage
- Modalidad Esmerilado
- Schleifmodus
- Режим Шлифовки

Optical Class

1/1/1/2

Double Range

DIN 4/5÷9
plasma cutting
oxy acetylene cutting

DIN 4/9÷13
MIG/MAG-MMA- TIG

- External Regulation
- Regolazione Esterna
- Réglage Externe
- Regulación Exterior
- Externe Regulierung
- Внешнее Регулирование

Sensors

Shading Speed

→ **0.4 ms**

- Quick Autodarkening Glass
- Vetro Autoscurante Veloce
- Vitre Auto-Obscurcissante Rapide
- Vidrio De Oscurecimiento Automático Rápido
- Glas Mit Beschleunigter Selbstverdunkelung
- Самозатемняющееся Стекло Быстрого Действия

Delay Control

→ **0.1÷1 s**



- Delay Regulation
- Ritardo Regolabile
- Retard Réglable
- Retraso Ajustable
- Einstellbare Verzögerung
- Регулируемая Задержка

Sensitivity



- Darkening activation sensitivity
- Sensibilità attivazione oscuramento
- Sensibilité activation obscurissement
- Sensibilidad activación oscurecimiento
- Empfindlichkeit Verdunkelungs Aktivierung
- Чувствительность активация затемнения

VANTAGE RED XL
Cod. 802936

TIG Welding

>5 A

- Tig Welding
- Saldatura Tig
- Soudage Tig
- Soldadura Tig
- Wig-Schweißen
- Сварка Tig

Shade 9



Shade 10



Shade 11



Shade 12



Shade 13



TECHNICAL DATA	VISION 180 804097	VANTAGE GREY XXL 802937	VANTAGE RED XL 802936	JAGUAR FIRE 802807	JAGUAR 802779	STREAM FLAME 802816	STREAM 802813	TAURUS METAL 804094	TRIBE RED 802814	TRIBE 802837	TIGER XL 802812	TIGER 802818
MMA MIG-MAG/TIG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TIG	>2A	>2A	>2A	>5A	>5A	>5A	>5A	>2A	>5A	>5A	✓	✓
AUTOMATIC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	---	---
GRINDING MODE	✓	✓	✓	✓	✓	✓	✓	---	---	---	---	---
VIEWING AREA (mm)	115x85	100x93	100x67	93x36	93x36	90x35	90x35	90x35	90x35	90x35	102x80	110x50
VARIABLE (*) DIN	3/4÷8/8÷12 DOUBLE RANGE	4/5÷9/9÷13 DOUBLE RANGE	4/5÷9/9÷13 DOUBLE RANGE	4/5÷9/9÷13 DOUBLE RANGE	4/5÷9/9÷13 DOUBLE RANGE	4/9÷13	4/9÷13	11	11	11	11	11
SENSITIVITY	- → +	- → +	- → +	- → +	- → +	FIX	FIX	FIX	FIX	FIX	---	---
DELAY (s)	- → + 0,1 ÷ 1	- → + 0,1 ÷ 1	- → + 0,1 ÷ 1	- → + 0,1 ÷ 1	- → + 0,1 ÷ 1	FIX	FIX	FIX	FIX	FIX	---	---
DIN	3	4	4	4	4	4	4	3	3	3	---	---
LENS SPEED (ms)	0,4	0,1	0,1	0,4	0,4	0,4	0,4	0,1	0,4	0,4	---	---
SENSORS	4	4	4	2	2	2	2	2	2	2	-	-
OPTICAL CLASS	1/1/1/1	1/1/1/2	1/1/1/2	1/2/1/2	1/2/1/2	1/1/1/2	1/1/1/2	1/1/1/1	1/1/1/1	1/1/1/2	1	1

PROFESSIONAL WELDING HELMETS



OPTICAL CLASS: 1/1/1/1

NEW

YEARS WARRANTY
2

2 PCS

VISION 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



YEARS WARRANTY
2

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



YEARS WARRANTY
2

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



2 PCS

JAGUAR FIRE Cod. 802807

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range

- grinding mode
- TIG from >5A
- class: 1/2/1/2



2 PCS

JAGUAR Cod. 802779

- automatic
- variable: 4/5÷9/9÷13 DIN
- double range

- grinding mode
- TIG from >5A
- class: 1/2/1/2



2 PCS

STREAM FLAME Cod. 802816

- automatic
- variable: 4/9÷13 DIN
- grinding mode

- TIG from >5A
- class: 1/1/1/2



2 PCS

STREAM Cod. 802813

- automatic
- variable: 4/9÷13 DIN
- grinding mode

- TIG from >5A
- class: 1/1/1/2



NEW

OPTICAL CLASS: 1/1/1/1

2 PCS

TAURUS METAL Cod. 804094

- automatic
- fix 11 DIN

- TIG from >2A
- class: 1/1/1/1



2 PCS

TRIBE RED Cod. 802814

- automatic
- fix 11 DIN

- TIG from >5A
- class: 1/1/1/2

ACCESSORIES & BLISTERS



2
PCS

TRIBE Cod. 802837

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



2
PCS

TIGER XL Cod. 802812

- fix
- 11 DIN
- XL view area



2
PCS

TIGER Cod. 802818

- fix
- 11 DIN

MASKS & LENSES



ZEN
cod. 804021

6
PCS **B**

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



90x110 mm
x Tiger XL

cod. 802581

6
PCS

51x107mm
x ZEN, Tiger

cod. 802575

B

WELDING HELMET SWEATBAND



cod. 804099

NEW

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

EXTERNAL



390x150 mm
x Vision 180

cod. 804103

NEW

6
PCS

134x114 mm
x Vantage

cod. 802939

B

94x115 mm
x Jaguar

cod. 802804

90x110 mm
x Stream, Tribe, Tiger, Taurus Metal

cod. 802655

INTERNAL



89x113 mm
x Vision 180

cod. 804104

NEW

6
PCS

96x104 mm
x Vantage Grey XXL

cod. 802951

B

69,5x103,5 mm
x Vantage Red XL

cod. 802949

39x97 mm
x Jaguar

cod. 804034

47x102 mm
x Stream, Tribe

cod. 802834

40x102 mm
x Taurus Metal

cod. 804102

NEW

GLOVES



6
PCS **B** **MONTANA**
cod. 802673



6
PCS **B** **MONTANA PLUS**
cod. 802667



6
PCS **B** **DAKOTA**
cod. 802632

TIG



6
PCS **B** **OREGON**
cod. 804095

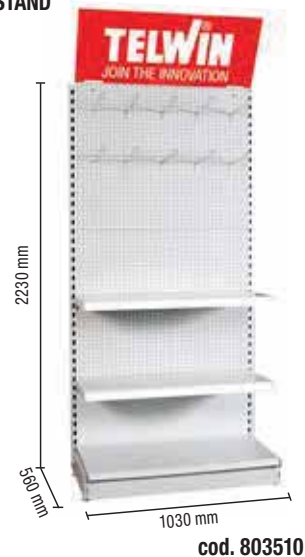
TIG

NEW

DISPLAYER FOR BLISTERS



STAND



BANNER

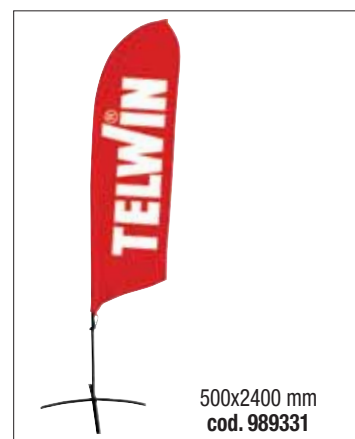


1. 2200x1000 mm
cod. 989445
2. 1100x500 mm
cod. 989446

DISPLAYER cod. 803506



FLAG



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/APRON

COPERTE/GREMBIULE - COUVERTURES/TABLIER - MANTAS/DELANTAL
- SCHWEISSDECKEN/SCHÜRZE - ПОКРЫВАЛА/ФАРТУК



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

- 1 red - rossa - rouge - roja - rot - красное
1500x1940mm
cod. 802678
- 2 white - bianca - blanche - blanca - weiß - белое
1500x1900
cod. 802679



6
PCS

B

cod. 802550

ELECTRODES



BASIC - BASICI - FONTE - BÁSICOS
- BASISCHHE - 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

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



RUTILE Ø 2 mm 2,5 kg (227 pcs) **cod. 802737**

RUTILE Ø 2,5 mm 2,5 kg (143 pcs) **cod. 802739**

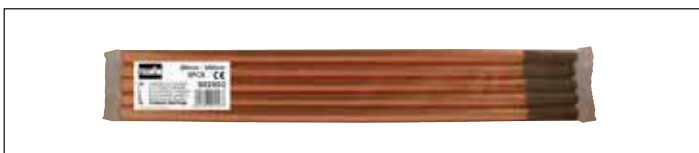
RUTILE Ø 3,2 mm 4 kg (125 pcs) **cod. 802749**



BASIC Ø 2,5 mm 2,5 kg (119 pcs) **cod. 804036**

BASIC Ø 3,2 mm 5 kg (137 pcs) **cod. 802765**

CARBON ELECTRODES - GOUGING



Ø 8 mm 300mm (5 pcs) **cod. 802803**

Ø 10 mm 300mm (5 pcs) **cod. 802305**

WIRE COILS

Pag. 78

BOBINE FILO - BOBINES FIL - BOBINAS HILO - DRAHTSPULEN
- БОБИНЫ ПРОВОЛОКИ



Steel - Stainless Steel
Aluminium - Brazing - Flux

GAS BOTTLES

Pag. 78

BOMBOLE GAS - BOUTELLES GAZ - BOMBONAS GAS - GASFLASCHEN
- ГАЗОВЫЕ БАЛЛОНЫ



CO₂ - Argon CO₂ - Argon

Q.TY FOR SALES BY MULTIPLE OF:

2 pcs

4 pcs

5 pcs

6 pcs

8 pcs

10 pcs

12 pcs

B

Q.TA' DI VENDITA PER MULTIPLI DI:

2 pcs

4 pcs

5 pcs

6 pcs

8 pcs

10 pcs

12 pcs

blister

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



6 PCS

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

B



Toledo 300 A
Ø max 25 mm²
cod. 802533

6 PCS

B



Toledo 400 A
Ø max 70 mm²
cod. 802534

6 PCS

B



Toledo 600 A
Ø max 95 mm²
cod. 802535

6 PCS

B

"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

B

Wooden chipping hammer - Martellina con manico in legno
- Marteau à piquer avec manche en bois
- Martellina con mango de madera - Kleiner Hammer mit Holzgriff
- Молоток для удаления окалины с деревянной рукояткой



cod. 802540

6 PCS

B

Metal chipping hammer - Martellina con manico in ferro
- Marteau à piquer avec manche en fer
- Martellina con mango de hierro - Kleiner Hammer mit Metallgriff
- Молоток для удаления окалины с железной рукояткой



cod. 802543

6 PCS

B

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



cod. 802541

6 PCS

B

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



cod. 802542

6 PCS

B

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



cod. 802582

6 PCS

B

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



x 25 mm²
x 50 mm²

cod. 802556

cod. 802563

6 PCS

B

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



x 25 mm²
x 50 mm²

cod. 802558

cod. 802559

6 PCS

B

Magnetic hook - Gancio magnetico
- Crochet magnétique - Gancho magnético - Magnethaken - Магнитный крюк



cod. 802664



6 PCS

B

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



cod. 802583

6 PCS

B

Welding cable 10 m - Cavo saldatura 10 m - Câble soudage 10 m - Cable soldadura 10 m - Schweißkabel 10 m - Сварочный кабель 10 m

x 10 mm²

cod. 802574

x 16 mm²

cod. 802560

x 25 mm²

cod. 802561

6 PCS

B



Q.TY FOR SALES BY MULTIPLE OF:

Q.TA' DI VENDITA PER MULTIPLI DI:

2 PCS

6 PCS

10 PCS

12 PCS

B

2 pcs 6 pcs 10 pcs 12 pcs blister

OTHER ACCESSORIES

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. 802529

Colorado 150 A cod. 802531



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

Colorado 40 A cod. 804057

Colorado 60 A cod. 802530

Colorado 150 A cod. 802532



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



cod. 802521



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



cod. 802522



MIG/MAG CONSUMABLES

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

NEW

	TW120	TW160	TW180	MT15	M6	K4
	BIMAX 110	BIMAX 140, 4.165, BIMAX 152, 162, TECHNOMIG 150, MAXIMA 160	TELMIG 170/1, TELMIG 180/2, TECHNOMIG 180, MAXIMA 190	TELMIG 195/2, 200/2, 203/2, 250/2, 251/2, MAXIMA 200, 230, MASTERMIG 220/2, TECHNOMIG 180 EURO, 210, 215, 223 TREO, ELECTROMIG 220, TECHNOMIG 243 WAVE	SPOOL GUN M6	SPOOL GUN K4

A	Contact Tips - Tubetti Di Contatto - Tubes Contact - Tubitos De Contacto - Kontakttröhrchen - Контактные Трубки					
804084	5 PCS		W	W	W	W
Fe, SS Ø 0,6mm						
804085	5 PCS		W	W	W	W
Fe, SS Ø 0,8mm						
804089	5 PCS	W				
Flux Ø 0,8mm						
804087	5 PCS		W	W	W	W
Al, Flux Ø 0,8mm						
804086	5 PCS		W	W	W	W
Al Ø 1mm Flux Ø 0,9mm						
804088	5 PCS		W	W	W	W
Al, Flux Ø 1,2mm						
B	Conical Nozzles - Ugelli conici - Becs coniques - Inyectores conicos - konische Gasdüsen - Конические сопла					
804090	2 PCS		W	W	W	W
C	Cylindrical Nozzles - Ugelli Cilindrici - Becs Cylindriques - Inyectores Cilindricos - Zylindrische Düsen - Иллиндрические Сопла					
804091	2 PCS		W	W	W	W
804093	2 PCS	W				
D	Springs - Molle - Resorts - Muelles - Feder - Пружины					
804092	5 PCS		W	W	W	W



Q.TY FOR SALES BY MULTIPLE OF:

2 PCS 4 PCS 5 PCS 6 PCS 8 PCS 10 PCS 12 PCS

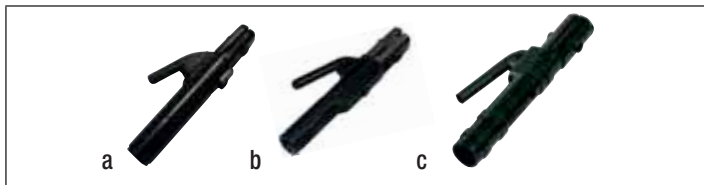
Q.TA' DI VENDITA PER MULTIPLI DI:

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



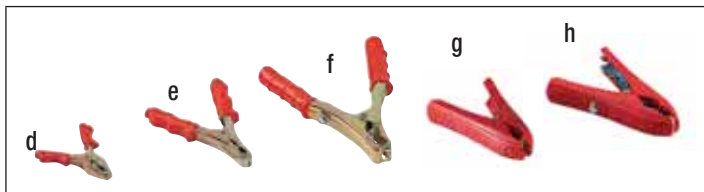
ACCESSORIES IN BULK

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



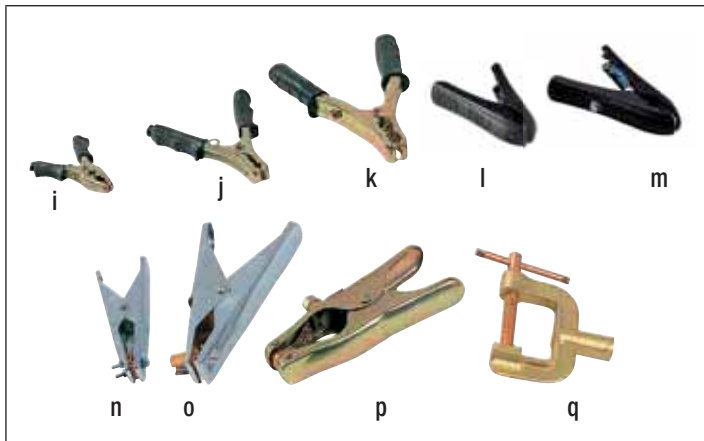
ELECTRODE HOLDERS - PINZE PORTAELETTRODI - PINCES PORTE ELECTRODES - PINZAS PORTAELECTRODOS - ELEKTRODENZANGEN - ДЕРЖАТЕЛЬ ЭЛЕКТРОДОВ

a	10 PCS	Dallas	300 A	Ø max 25 mm ²	cod. 712260
b	10 PCS	Dallas	400 A	Ø max 50 mm ²	cod. 712019
c	10 PCS	Dallas	600 A	Ø max 70 mm ²	cod. 712015



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

d	10 PCS	Colorado	40 A		cod. 712623
e	10 PCS	Colorado	60 A		cod. 712360
f	10 PCS	Colorado	150 A	Ø max 16 mm ²	cod. 712002
g	10 PCS	Arizona	70 A		cod. 712346
h	10 PCS	Arizona	150 A		cod. 712368



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

i	10 PCS	Colorado	40 A		cod. 712624
j	10 PCS	Colorado	60 A		cod. 712361
k	10 PCS	Colorado	150 A	Ø max 16 mm ²	cod. 712001
l	10 PCS	Arizona	70 A		cod. 712347
m	10 PCS	Arizona	150 A		cod. 712369
n	10 PCS	Toledo	250 A	Ø max 25 mm ²	cod. 712030
		Toledo	300 A	With copper blade - con lamella in rame	cod. 712231
o	10 PCS	Toledo	400 A	Ø max 70 mm ²	cod. 712032
p	10 PCS	Toledo	600 A	Ø max 95 mm ²	cod. 712034
q	10 PCS	Cordoba	500 A	Ø max 70 mm ²	cod. 712209



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

r	10 PCS	Slag remover - Escoriatore/spazzola - Marteau/brosse - Excoriador/cepille - Schlackenhammer - Щетка для удаления шлака			cod. 712139
s	10 PCS	Metal brush - Spazzola metallica - Brosse métallique - Cepillo metálico - Drahtbürste - Металлическая щетка			cod. 712213
t	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. 712087
u	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. 712214

INSTRUMENTATION

STRUMENTAZIONE - INSTRUMENTATION - INSTRUMENTACIÓN - INSTRUMENTIERUNG - ИНСТРУМЕНТЫ



- Oscilloscope - Oscilloscopio - Oscilloscope - Osciloscopio - Осциллоскоп - Осциллограф **cod. 802401**
- Variac (1 ph) **cod. 802402**
- Dummy Load - Carico Statico - Charge Statique - Carga Estática - Statische Belastung - Статическая нагрузка
x **Tecnica, Technology** **cod. 802110**
x **Tecnica Plasma, Technology Plasma** **cod. 802111**
- Jump Start Check x **Pro Start** **cod. 802695**

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

ELECTRONIC CONTROL

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

Table with multiple columns containing technical specifications in various languages (EN, IT, FR, ES, DE, RU, PT, NL, SV, AR) for various electrical parameters like voltage, current, power, and frequency.

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