



2016

GENERAL CATALOGUE

A successful history over 50 years long.

Una storia di successi lunga oltre 50 anni.

TELWIN: the Home of

TELWIN: la Cittadella della

1963

'60s-'70s Creation and Development

1970



The First Factory



Formula 135



Production Line



TLP 130
First DIY welder

Padova
Milan Fairs



1980

'80s-'90s Confirmation and Quality

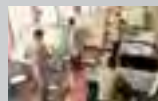
1990



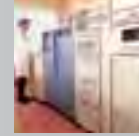
Production Plant



Supermig 350



Technical Department



IT Center



Invertarc 200



CERTIFIED QUALITY SYSTEM
UNI EN ISO 9001



Minimax 100



CAD Specialists

2000

2000 onwards Products and Market



The New Factory



Superior Tig 242
AC/DC HF/Lift



Shark: Automated
Modules Control



Technica 1400



Automated Warehouse



Production Plant



Industrial •

2010

Today and Tomorrow: Continuous Innovation



Plant Expansion

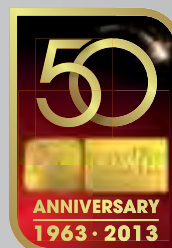


Smart Technology



Inverpulse
625

Products & Process
Innovation



2016

Beyond
the Future



CERTIFIED SYSTEM



Automated
Warehouse



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.



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.



Welding. Hi-Tech & Products Range.

Saldatura. Hi-Tech & Ampia Gamma di Prodotti.



Automotive • Charging • Professional • Consumer



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.



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.



Telwin ist **Leader auf allen 5 Kontinenten**, in mehr als 120 Ländermarkten. Telwin ist **das reichhaltigste** und lückenloseste Angebot auf dem Markt. Telwin ist Forschung und Entwicklung, Hi-Tech, **Technologische Innovation**. Telwin ist ein **Qualitätsmanagement**, das nach ISO 9001:2008 und BSI OHSAS 18001:2007 **zertifiziert ist**.



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.



TELWIN TRAININGLAB
The Learning Center



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Products

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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 2006/95/EC – 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. Since Telwin certifies that all its products are in compliance with the new CE marking as reported in the EMF Conformity Certificates.

IT L'avenuto recepimento della 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) nella Direttiva Bassa Tensione LVD 2006/95/EC 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 2006/95/EC 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 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 2006/95/EC 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)



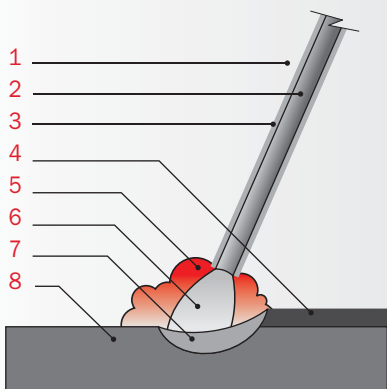
in die LVD 2006/95/EC Niederspannungsrichtlinie mit Veröffentlichung im Amtsblatt der Europäischen Gemeinschaft verlangt, daß jedes Produkt die technischen Standards der o.g. Norm erfüllt, um CE-zertifiziert zu werden. Das bedeutet wie folgt zur CE-Kennzeichnung ist nun eine weitere Zertifizierung erforderlich. 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 2006/95/EC и ее публикация в официальном издании Европейского Сообщества, привело к тому, что для получения сертификата CE на любое изделие, оно должно соответствовать указанному 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).



MMA Electrode Welding

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 gaseosa 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 Characteristics

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

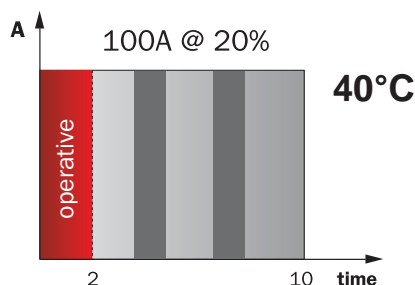
MINUS

- 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°.
- FR** Le Cycle de travail correspond au nombre de minutes, dans un intervalle de 10 minutes, durant lesquelles un poste de soudage peut fonctionner en continu à une certaine courant. Le Cycle de travail relatif au courant maximal dépend de la température à laquelle il est mesuré; TELWIN déclare tous ses Cycles de travail à la température ambiante de 40°C.
- ES** El Duty Cycle es el número de minutos, en un intervalo de 10 minutos, durante los cuales una soldadora puede trabajar continuamente a una determinada corriente. El Duty Cycle relativo a la máxima corriente depende de la temperatura a la cual se mide; TELWIN declara todos los Duty Cycle a la temperatura ambiente de 40°C.
- DE** Die Einschaltdauer sagt aus, wie viele Minuten eine Schweißmaschine in einem 10 Minuten langen Zeitraum mit einer bestimmten Stromstärke kontinuierlich arbeiten kann. Die Einschaltdauer für den Höchststrom hängt davon ab, bei welcher Temperatur gemessen wird. Die von TELWIN genannten Einschaltauern beziehen sich auf eine Umgebungstemperatur von 40°C.
- RU** Рабочий цикл - это количество минут в 10-ти минутном интервале в ремени, которого сварочный аппарат может работать непрерывно при заданном значении тока. Рабочий цикл при максимальном токе зависит от температуры; TELWIN выводит все измерения рабочего цикла при внешней температуре 40°C.



Example

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

MMA Electrode Welding



Products & Electrodes

| Products | Current | Electrode Types | | | | | |
|--|------------------------|-----------------|----|----|----|----|----|
| | | RT | BS | SS | Ci | AL | CE |
| INVERTER | | | | | | | |
| Force, Tecnica, Advance, Technology 186 HD, Technology 216 HD, Technology 236 HD, Superior 245 | 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, Thunder 314D 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) **IT** Valori medi corrente saldatura (A)
FR Valeurs moyenne courante soudage (A) **ES** Valores mediana corriente soldadura (A)
DE Mittelwerte des Schweißstroms (A) **RU** Средние значения тока сварки (A)

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

Legenda

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

inverter

NEW



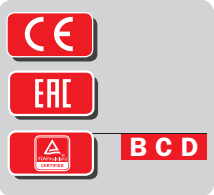
COMPLETE WITH ACCESSORIES



A Force 125 with accessories in cardboard carry case



B Force 145 with accessories in cardboard carry case



COMPLETE WITH MASK AND ACCESSORIES

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

OPTIONAL

MMA WELDING KIT

10 mm² 3+2m DX25
801000

BCD

MMA - MIG/MAG TIG MASK

TIGER
802818

OTHER MASKS
Pag. 11

RUTILE ELECTRODES STEEL

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

RUTILE ELECTRODES STAINLESS STEEL

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

BCD

BASIC ELECTRODES STEEL

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

BCD

RUTILE ELECTRODES IN BOX - STEEL

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

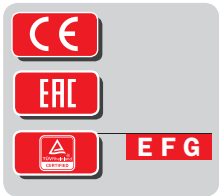
BCD

BASIC ELECTRODES IN BOX - STEEL

- Ø 2,5mm 2,5 kg 802748
- Ø 3,2mm 5 kg 802765

BCD

| TECHNICAL CHARACTERISTICS | | CODE | V _{ph} | A _{MIN} A _{MAX} | 0/ TELWIN % USE 20°C | A _{MAX} 40°C | V _o | A _{60%} MAX | P _{60%} MAX | P _{GEN} | I | η ₀ | Ø _E MIN | IP | W _H L | kg |
|---------------------------|--|--------|-----------------|--------------------------------------|-------------------------|--------------------------|----------------|-------------------------|-------------------------|------------------|----|----------------|-----------------------|------|---------------------|-----|
| | | | V (50-60Hz) | A | | EN60974-1 A | V | A | kW | kW | A | η/cos φ | mm | | mm | kg |
| A | Force 125 + accessories + cardboard carry case | 815872 | 230 1 ph | 10÷80 | 50% @ 80A | 80 5% | 72 | - 15 | - 2,3 | 3 | 10 | 0,7 0,6 | 1,6 2,5 | IP21 | 330x140x310 | 3,1 |
| B | Force 145 + accessories + cardboard carry case | 815873 | 230 1 ph | 10÷130 | 60% @ 125A | 125 7% | 72 | - 27 | - 3,5 | 5 | 16 | 0,82 0,6 | 1,6 3,2 | IP21 | 330x140x310 | 3,7 |
| | Force 145 + accessories + plastic carry case | 815856 | | | | | | | | | | | | | 380x420x170 | 5,2 |
| C | Force 165 + accessories + plastic carry case | 815857 | 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 | 815853 | | | | | | | | | | | | | 300x125x225 | 2,9 |
| D | Force 195 + accessories + plastic carry case | 815859 | 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 | 815858 | | | | | | | | | | | | | 300x125x225 | 2,9 |



**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



E-F-G Tecnica 151/S - 171/S - 211/S



E-F-G Tecnica

**TECNICA IN PLASTIC CARRY CASE
+ MASK + 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 |
|---|---|--|--|---|---|---|--|
| 10 mm ² 3+2m DX25 801000 E | 801113 E 801097 FG | TRIBE Automatic 802837 OTHER MASKS Pag. 11 | Ø 1,6mm 15pcs 802616 Ø 2mm 15pcs 802617 Ø 2,5mm 15pcs 802618 Ø 3,2mm 10pcs 802619 Ø 4mm 8pcs 802620 FG | Ø 2,5mm 10pcs 802623 Ø 3,2mm 8pcs 802624 | Ø 2,5mm 10pcs 802621 Ø 3,2mm 8pcs 802622 | Ø 2mm 2,5 kg 802737 Ø 2,5mm 2,5 kg 802739 Ø 3,2mm 4 kg 802749 | Ø 2,5mm 2,5 kg 802748 Ø 3,2mm 5 kg 802765 |

| TECHNICAL CHARACTERISTICS | STANDARD ACCESSORIES | CODE | V _{ph} | A _{MIN} / A _{MAX} | 0/ TELWIN / 0 USE 20°C | A _{MAX} 40°C | A _{60%} 40°C | V _o | A _{60%} MAX | P _{60%} MAX | P _{GEN} | I _{ph} | η / cos φ | Ø | IP | kg | GENERATOR ONLY |
|---------------------------|---------------------------------|---------------|------------------------|-------------------------------------|------------------------|-----------------------|-----------------------|----------------|----------------------|----------------------|------------------|-----------------|-------------|------------|------|--------------|----------------|
| | | | V _(50-60Hz) | A | | EN60974-1 A | EN60974-1 A | V | A | kW | kW | A | | mm | | gen/(kit) | code |
| E | Tecnica 151/S + [] + [] + ACC | 816202 | 230 1 ph | 10÷130 | 90%@130A | 130@30% | 95 | 75 | 17,5 26 | 2,6 3,9 | 5 | 16 | 0,86 0,7 | 1,6 3,2 | IP23 | 4,1 (6,5) | 816002 |
| F | Tecnica 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 |
| G | Tecnica 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 |


NEW
VANTAGE GREY XXL
Cod. 802937

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

2 PCS


NEW
VANTAGE RED XL
Cod. 802936

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

2 PCS


NEW
TRIBE RED
Cod. 802814

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

2 PCS


NEW
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

2 PCS

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

 GLASS PROTECTION - PROTEZIONE VETRO - PROTECTION VERRE - PROTECCIÓN VIDRIO - SCHUTZGLAS ЗАЩИТА СТЕКЛА
KIT 2 PCS

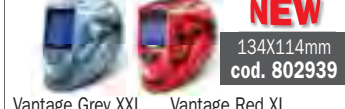
 115X94mm
cod. 802804


Stream Flame Tribe Red Tiger XL



Stream Tribe Tiger

110X90mm cod. 802655



Vantage Grey XXL Vantage Red XL

(*) - ↷ + variable - variable - variable - variable - wechselnd - переменная

VRD & Tig Lift



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: Migliora 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

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: ottimo innesco 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

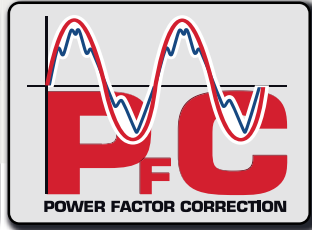
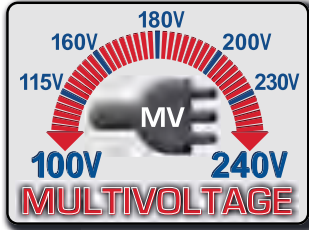
- Регулирование arc force (силы дуги) и hot start (пуска из горячего состояния) оптимизация возбуждения дуги и сварочного шва

- Простота эксплуатации: легкого чтения параметров в связи с цифровой панелью
- Качество инвертера



Multi Voltage Power Factor Corrector

MV/PFC: wide range of input voltages



- EN Multivoltage: wide range of input voltages (from 100V to 240V)**
- Use with unstable voltages
 - Complete protection with motogenerators
 - Use of long extensions, up to 250 m
 - Absorption decreased up to 30% compared to welding machines of equal power
 - Inverter quality

- IT Multivoltaggio: ampia gamma di tensioni in ingresso (da 100V a 240V)**
- Funzionamento con tensioni poco stabili
 - Protezione completa con motogeneratori
 - Utilizzo di lunghe prolunghe fino a 250m
 - Minori assorbimenti fino al 30% rispetto a saldatrici di pari potenza
 - Qualità inverter

- FR Multitensions: ample gamme de tensions en entrée (de 100V jusqu'à 240V)**
- Fonctionnement avec des tensions peu stables
 - Protection complete avec motogénérateurs
 - Utilisation de longues rallonges jusqu'à 250m
 - Plus petites absorptions jusqu'à 30% par rapport aux postes de soudage de même puissance
 - Qualité inverter

- ES Multi tensión: amplia gama de tensiones en entrada (de 100V hasta 240V)**
- Funcionamiento con tensiones eléctricas poco estables
 - Protección completa con motogeneradores
 - Uso de largas extensiones de hasta 250 m
 - Absorciones menores de hasta el 30% con respecto a soldadoras de igual potencia
 - Calidad inverter

- DE Multispannungen: breiter Bereich an Eingangsspannungen (von 100V bis zum 240V)**
- Betrieb bei instabilen Spannungen
 - Vollschutz bei Stromaggregaten
 - Einsatz langer Verlängerungen bis 250 m
 - Bis zu 30% geringere Stromaufnahmewerte im Vergleich zu leistungsgleichen Schweißmaschinen
 - Inverterqualität

- RU Мульти напряжения: широкий диапазон входных напряжений (от 100 в до 240 в)**
- Работа с не стабильным напряжением
 - Полная защита с мотор-генераторами
 - Использование длинных удлинителей до 250 м
 - Уменьшенное потребление до 30% по сравнению с другими сварочными аппаратами равноценной
 - Качество инвертера

Force MPGE, Tecnica MPGE, Technology CE/MPGE: the solution



EN All TELWIN inverters guarantee correct operation for power supply voltage variations of up to 15%. Unless they are properly stabilised, motor generator units may not guarantee such a narrow voltage range. The "MPGE, GE" models, in particular, guarantee better performance, with multiprotectons against power supply instability. They are extremely easy to handle and transport so that there is maximum freedom of movement, as compared to engine-driven welders, even when far away from the power supply. Models carrying the "CE" name have been specially designed for welding pipes.

IT Tutti gli inverter TELWIN garantiscono il corretto funzionamento per variazioni della tensione di alimentazione fino al 15%. I motogeneratori, se non adeguatamente stabilizzati, potrebbero non assicurare una tensione entro tali variazioni. I modelli specifici "MPGE, GE" garantiscono una migliore funzionalità grazie a protezioni multiple contro le instabilità dell'alimentazione. L'estrema maneggevolezza e trasportabilità assicura la massima libertà di movimento rispetto a alle motosaldatrici, anche a grande distanza dall'alimentazione. I modelli contrassegnati dalla sigla "CE" sono appositamente studiati per saldare le tubazioni.

FR Tous les inverseurs TELWIN garantissent un fonctionnement correct en cas de variation de jusqu'à 15% de la tension d'alimentation. Si mal stabilisés, les motogénérateurs risquent de ne fournir aucune tension à l'intérieur de ces variations. Les modèles spécifiques "MPGE, GE" garantissent un fonctionnement supérieur grâce à leur protections multiples contre les instabilités d'alimentation. L'extrême maniabilité et facilité de transport se traduisent par une grande liberté de mouvement par rapport aux postes de soudage motorisés, y compris à grande distance de l'alimentation. Les modèles portant le label "CE" ont été spécifiquement projetés pour le soudage des conduites.



ES Todos los inverter TELWIN garantizan el correcto funcionamiento para variaciones de la tensión de alimentación de hasta el 15%. Los motogeneradores, si no se estabilizan adecuadamente, podrían no asegurar la tensión con estas variaciones. Los modelos específicos "MPGE, GE" garantizan una mejor funcionalidad gracias a protecciones múltiples contra las inestabilidades de la alimentación. La extrema manejabilidad y facilidad de transporte asegura la máxima libertad de movimiento respecto a las motosoldadoras, incluso a gran distancia de la alimentación. Los modelos marcados con la sigla "CE" han sido específicamente estudiados para soldar las tuberías.

DE Alle Inverter von TELWIN arbeiten bei einer Änderung der Versorgungsspannung von bis zu 15% garantiert einwandfrei. Nicht angemessen stabilisierte Stromaggregaten hingegen könnten einen Betrieb innerhalb dieser Schwankungsbreite nicht sicherstellen. Die spezifischen Modelle "MPGE, GE" garantieren bessere Funktionseigenschaften dank mehrfache Schutzvorrichtungen gegen Spannungsschwankungen. Da sie äußerst handlich und transportfreundlich sind, ist im Gegensatz zu fahrbaren Schweißaggregaten höchste Bewegungsfreiheit gegeben, auch wenn die nächste Stromquelle weit entfernt ist. Die mit dem Kürzel "CE" gekennzeichneten Modelle sind speziell zum Schweißen von Rohrleitungen ausgelegt.

RU Все инвертеры TELWIN гарантируют правильную работу при изменении напряжения питания до 15%. Мотор-генераторы, если они стабилизированы должным образом, могут не гарантировать напряжение в пределах указанных выше колебаний. Специальные модели "MPGE, GE" гарантируют лучшую работу, благодаря хорошей защите от перебоев электропитания. Необычайная простота обращения и возможность переноса с места на место гарантируют максимальную свободу движений, по сравнению с моторными сварочными аппаратами, даже на большом расстоянии от источника питания. Модели, помеченные знаком "CE", были специально разработаны для сварки труб.

inverter



DIGITAL

MMA ADJUSTABLE
• ARC FORCE
• HOT-START

TIG LIFT



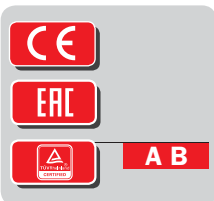
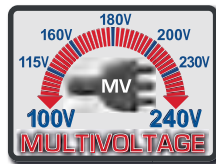
VOLTAGE REDUCTION DEVICE
mod. Tecnica 190 Tig



A Force 170 Tig DC-lift **B** Tecnica 190 Tig DC-lift VRD

A-B Force 170 Tig - Tecnica 190 Tig

FORCE 170 TIG COMPLETE WITH TIG ACCESSORIES, TECNICA 190 TIG COMPLETE WITH TIG/MMA ACCESSORIES AND PLASTIC CARRY CASE



DIGITAL

MMA ADJUSTABLE
• ARC FORCE
• HOT-START

TIG LIFT



VOLTAGE REDUCTION DEVICE
mod. Advance 227 MV/PFC Tig

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

| TECHNICAL CHARACTERISTICS | STANDARD ACCESSORIES | CODE | V _{ph} (50-60Hz) | A _{MIN} / A _{MAX} | 0/ TELWIN / 70 USE 20°C | A _{MAX} 40°C | | V ₀ | A _{60%} 40°C | | P _{60%} MAX | P _{GEN} | η | φ | Ø _E MIN / MAX | IP | kg | GENERATOR ONLY |
|---|----------------------|--------|---------------------------|-------------------------------------|-------------------------|-----------------------|-------------|----------------|-----------------------|------------|----------------------|------------------|--------------|----------|--------------------------|--------------|--------|----------------|
| | | | | | | EN60974-1 A | EN60974-1 A | | A | A | | | | | | | | |
| A Force 170 Tig DC-LIFT | + +ACC | 816214 | 230 1 ph | 10÷150 | 60% @ 150A | 140 10% | - | 78 | - 27 | 4,1 | 6 | 16 | 0,84 0,6 | 1,6 4 | IP21 | 3 (6,8) | 816014 | |
| B Tecnica 190 Tig DC-LIFT VRD | + +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 | |
| C Advance 187 MV/PFC | - | 816009 | 100-120 1 ph | 10÷110 | 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 | |
| | | | 200-240 1 ph | 10÷150 | | 140 25% | 95 | | 12,5 19,5 | 2,7 4,3 | 6 | 10 | 1,6 4 | IP23 | 6,2 (-) | 816010 | | |
| D Advance 227 MV/PFC Tig DC-LIFT VRD | - | 816010 | 100-120 1 ph | 10÷130 | - | 130 40% * | 110 | 81 | 20 25 | 2,2 2,8 | 5 | 15 | 0,84 0,98 | 1,6 4 | IP23 | 6,2 (-) | 816010 | |
| | | | 200-240 1 ph | 10÷200 | | 200 30% | 135 | | 17,5 27 | 3,7 5,9 | 8 | 16 | 1,6 4 | IP23 | 6,2 (-) | 816010 | | |

(*) A_{MAX} 40°C = 150A@30% ⇒ = 20A

inverter

RECOMMENDED FOR
MOTOGENERATORS

MULTI
PROTECTIONS
FOR GENERATOR
MPGE



E Force 168 MPGE

F Tecnica 188 MPGE



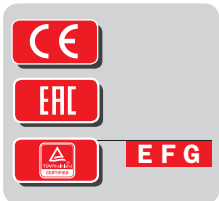
E-F Force, Tecnica MPGE



G Technology 238 CE/MPGE



CELLULOSIC
Aluminium



COMPLETE WITH ACCESSORIES

OPTIONAL

| MMA 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 | TIG WELDING KIT |
|--|--|---|---|---|---|--|--|
| 10 mm² 3+2m DX25 801000 A E | TRIBE Automatic 802837 OTHER MASKS Pag. 11 | Ø 1,6mm 15pcs 802616 Ø 2mm 15pcs 802617 Ø 2,5mm 15pcs 802618 Ø 3,2mm 10pcs 802619 Ø 4mm 8pcs 802620 | Ø 2,5mm 10pcs 802623 Ø 3,2mm 8pcs 802624 | Ø 2,5mm 10pcs 802621 Ø 3,2mm 8pcs 802622 | Ø 2mm 2,5 kg 802737 Ø 2,5mm 2,5 kg 802739 Ø 3,2mm 4 kg 802749 | Ø 2,5mm 2,5 kg 802748 Ø 3,2mm 5 kg 802765 | 801097 BCD FG 801113 A GLOVES 802673 OTHER GLOVES Pag. 74 |

| TECHNICAL CHARACTERISTICS | STANDARD ACCESSORIES | CODE | V _{ph} V (50-60Hz) | A _{MIN} A | 0% TELWIN /0 USE 20°C | A _{MAX} 40°C | A _{60%} 40°C | V _o | A _{60%} MAX | P _{60%} MAX | P _{GEN} | η | φ | Ø _E MIN MAX | IP | kg | GENERATOR ONLY |
|---------------------------------|----------------------|---------------|--------------------------------|-----------------------|--------------------------|--------------------------|--------------------------|----------------|-------------------------|-------------------------|------------------|----|-------------|---------------------------|------|---------------|----------------|
| | | | | | | | | | | | | | | | | | code |
| E 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 |
| F 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 |
| G 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 |



inverter **+30%** PERFORMANCES



A Motoinverter 174 CE



B Motoinverter 204 CE



C Motoinverter 254 CE



D Motoinverter 264D CE

**MOTOINVERTER WITH
OPTIONAL WHEELS KIT**



**THUNDER WITH
OPTIONAL WHEELS KIT**



| TECHNICAL CHARACTERISTICS | | CODE | A _{MIN} MAX | A _{MAX} 40°C EN60974-1 A | A _{60%} 40°C EN60974-1 A | V _o | Ø _{MIN} MAX E | IP | W ^H L | KG |
|---------------------------|-----------------------------|---------------|-------------------------|--|--|----------------|------------------------------|------|---------------------|-----|
| | | | A | | A | V | mm | | mm (LxWxH) | kg |
| A | Motoinverter 174 CE | 815791 | 5÷160 | 130 30% | 90 | 110 V DC | 1,6 3,2 (4) | IP23 | 750x370x430 | 40 |
| B | Motoinverter 204 CE | 815793 | 5÷190 | 160 35% | 115 | 112 V DC | 1,6 4 | IP23 | 840x470x480 | 58 |
| C | Motoinverter 254 CE | 815975 | 5÷230 | 200 30% | 130 | 112 V DC | 1,6 5 | IP23 | 850x550x670 | 73 |
| D | Motoinverter 264D CE | 815980 | 5÷230 | 200 30% | 130 | 113 V DC | 1,6 5 | IP23 | 1050x580x720 | 107 |

| DC GENERATOR & 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 1ph | 3 | HONDA GX 390 | 8,2/11 | 389 | 3300 | MANUAL | 6,1 | 313 | 97 LWA |
| D | Motoinverter 264D CE | 230 1ph | 3 | LOMBARDINI 15LD 440 | 8,1/11 | 442 | 3500 | ELECTRIC | 5 | 250 | 98 LWA |



E Thunder 220 AC



F Thunder 304 CE Kohler



CELLULOSIC
Aluminium



G Thunder 304 CE Honda



CELLULOSIC
Aluminium



H Thunder 314D CE



CELLULOSIC
Aluminium

OPTIONAL

MMA WELDING KIT

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

MMA - MIG/MAG TIG MASK

STREAM FLAME

Automatic **802816**

JAGUAR

Automatic Variable **802779**

OTHER MASKS Pag. 11

WHEELS KIT

- A** 802117
- B** 802490
- CDE** 802675
- FGH** 802680

AC POWER SUPPLY KIT

- CD** 802494
- B** 802584

TIG WELDING KIT

- ABCD** 801097

RUTILE ELECTRODES STEEL

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

RUTILE ELECTRODES STAINLESS STEEL

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

BASIC ELECTRODES STEEL

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

RUTILE ELECTRODES IN BOX - STEEL

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

BASIC ELECTRODES IN BOX - STEEL

- Ø 2,5mm 2,5 kg **802748**
- Ø 3,2mm 5 kg **802765**

| TECHNICAL CHARACTERISTICS | | CODE | A _{MIN} MAX | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | Ø _{MIN} MAX | IP | W _L H | kg |
|---------------------------|----------------------------------|---------------|-------------------------|--------------------------|--------------------------|----------------|-------------------------|------|---------------------|-----|
| | | | A | EN60974-1 A | EN60974-1 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 |
| H | Thunder 314D CE** | 825003 | 40÷300 | 300@35% | 250 | 85 V DC | 1,6÷6 | IP23 | 940x570x790 | 185 |

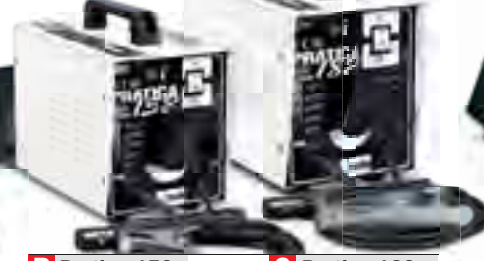
| AC GENERATOR & ENGINE CHARACTERISTICS | | V _{AC} | P _{AC} | V _{AC} | P _{AC} | TYPE | P | C _c | RPM | Start | I | g/kWh | db |
|---------------------------------------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-------------------|-----------|-----------------|------|----------|-----|-------|---------|
| | | V (50-60Hz) | kVA | V | kVA | | kW/Hp | cm ³ | rpm | | | | |
| 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 | | | | | |
| H | Thunder 314D CE** | 230 1ph | 4 | 400 3ph | 10 | LOMBARDINI 25LD/2 | 14/19 | 851 | 3000 | ELECTRIC | 18 | 280 | 78 @ 7m |

(**) Not available in the EU. Check your country standard - Non disponibili in UE. Verificare gli standard del proprio paese - Ne pas disponibles dans l'UE - No disponibles en la UE. Revise las normas de su país - Nicht für den Verkauf in der EU.

NEW



A Moderna 150



B Pratica 152

C Pratica 182



D Nordica 4.181 Turbo

E Nordica 4.181/R Turbo



F Nordica 4.185 Turbo

G Nordica 4.220 Turbo

H Nordica 4.280 Turbo



I Nordika 1800



J Nordika 2160

K Nordika 3200

L Nordika 3250

| TECHNICAL CHARACTERISTICS | | CODE | V _{ph} | A _{MIN} A _{MAX} | V _o | P _{MAX} | I | Ø _{MIN} Ø _{MAX} | IP | W _H L | kg |
|---------------------------|------------------------------|--------|--------------------|--------------------------------------|----------------|------------------|-------|--------------------------------------|------|---------------------|------|
| | | | V (50-60Hz) | A | V | kW | A | mm | | mm (LxWxH) | kg |
| | Marte 150 | 809039 | 230 1 ph | 30÷100 | 47 | 2,5 | 16 | 1,6 2,5 | IP21 | 315x175x250 | 11,3 |
| A | Moderna 150 | 809200 | 230 1 ph | 40÷140 | 48 | 2,5 | 16 | 1,6 3,2 | IP21 | 345x215x280 | 13,9 |
| B | Pratica 152 | 814160 | 230 1 ph | 40÷130 | 48 | 2,5 | 16 | 1,6 3,2 | IP21 | 310x170x250 | 13,6 |
| C | Pratica 182 | 812015 | 230 1 ph | 55÷180 | 48 | 2,5 | 20 | 2 4 | IP21 | 360x170x280 | 15,5 |
| D | Nordica 4.181 Turbo | 814104 | 230 1 ph | 50÷160 | 49 | 2,5 | 16 | 2 4 | IP21 | 370x250x310 | 15,7 |
| E | Nordica 4.181/R Turbo | 814023 | 230 1 ph | 50÷160 | 49 | 2,5 | 16 | 2 4 | IP21 | 575x325x360 | 16,2 |
| F | Nordica 4.185 Turbo | 814105 | 230 1ph 400 2ph | 50÷160 | 49 | 2,5 | 16-10 | 2 4 | IP21 | 575x325x360 | 16,6 |
| G | Nordica 4.220 Turbo | 814175 | 230 1ph 400 2ph | 55÷190 | 50 | 3,5 | 20-10 | 2 4 | IP21 | 575x325x360 | 19,4 |
| H | Nordica 4.280 Turbo | 814176 | 230 1ph 400 2ph | 70÷220 | 55 | 3,6 | 25-16 | 2 5 | IP21 | 575x325x360 | 19,2 |
| I | Nordika 1800 | 814189 | 230 1 ph | 40÷140 | 48 | 2,5 | 16 | 1,6 3,2 | IP21 | 345x215x275 | 14,1 |
| J | Nordika 2160 | 814193 | 230 1 ph | 50÷160 | 49 | 2,5 | 16 | 2 4 | IP21 | 640x325x435 | 17,2 |
| K | Nordika 3200 | 814180 | 230 1ph 400 2ph | 55÷190 | 50 | 3,5 | - | 2 4 | IP21 | 700x325x440 | 21 |
| L | Nordika 3250 | 812012 | 230 1ph 400 2ph | 70÷250 | 55 | 4,5 | - | 2 5 | IP21 | 700x325x440 | 22 |



M Artika 220

N Artika 270



O Quality 280 AC/DC



P Eurarc 310

Q Eurarc 410



R Eurarc 322

S Eurarc 422

T Eurarc 522

OPTIONAL

MMA WELDING KIT



- ☐ 801081 **Q S**
- ☐ 801093 **T**
- ☐ 801096 **M N O P**
- ☐ 801102 **R**

MMA - MIG/MAG TIG MASK



TIGER

☐ 802818

OTHER MASKS Pag. 11

MMA - MIG/MAG TIG MASK



STREAM

Automatic

☐ 802813

GLOVES



☐ 802673

OTHER GLOVES
Pag. 74

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



Aluminium



A Linear 280

B Linear 340

Aluminium



C Linear 300/S

NEW Aluminium



D Linear 430 HD

Aluminium



E Linear 530 HD

F Linear 630 HD

OPTIONAL

MMA WELDING KIT



- 801081 **A**
- 801093 **D**
- 801095 **BC**
- 801106 **EF**

GOUGING KIT



802666

BCDEF

CARBON ELECTRODES



- Ø 8mm 5pcs
- 802803 **EF**
- Ø 10mm 5pcs
- 802305 **F**

MMA - MIG/MAG TIG MASK



TIGER XL

802812

OTHER MASKS Pag. 11

MMA - MIG/MAG TIG MASK



STREAM FLAME

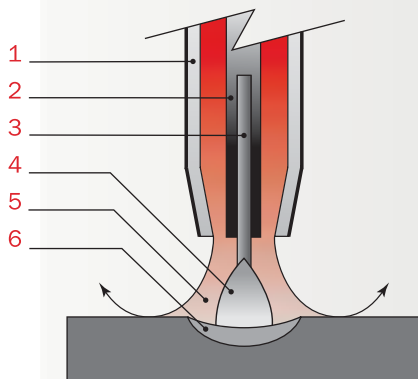
Automatic

802816

| TECHNICAL CHARACTERISTICS | CODE | V _{ph} | A _{MIN} A _{MAX} | A _{MAX} | A _{MAX} 40°C EN60974-1 A | A _{60%} 40°C EN60974-1 A | V ₀ | P _{60%} MAX | φ | Ø _E MIN MAX | IP | W _L H | kg |
|---------------------------|-----------|-----------------|--------------------------------------|------------------|--|--|----------------|-------------------------|-------|------------------------------|------|---------------------|-----|
| | | V (50-60Hz) | A | A | A | 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 300/S | DC 818007 | 230-400 3 ph | 50÷250 | - | 250 35% | 170 | 62 | 6,5 10,5 | 0,6 | 1,6 5 | IP22 | 950x490x680 | 70 |
| D 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 |
| E Linear 530 HD | DC 819055 | 230-400 3 ph | 60÷450 | - | 410 45% | 350 | 70 | 16 20 | 0,7 | 2 8 | IP22 | 1000x540x760 | 170 |
| F 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 Welding

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 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 | ✓ No Spray Arc | ✓ | | ✓ | | | |
| | 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 | | | | | | | |



FLUX/MIG-MAG

FLUX ONLY

FLUX/MIG-MAG



A Bimax 105



B Bimax 4.135 Turbo



C Bimax 4.165 Turbo

D Bimax 4.195 Turbo



FLUX/MIG-MAG



E Bimax 132 Turbo

F Bimax 152 Turbo



G Bimax 162 Turbo

OPTIONAL

| STEEL KIT - GAS - Throwaway Bottle | STEEL KIT - GAS - Refillable Bottle | GAS CONNECTION KIT Throwaway Bottle | GAS CONNECTION KIT Refillable Bottle | STAINLESS STEEL KIT | ALUMINIUM KIT | MIG - MAG CONSUMABLES |
|---------------------------------------|--|--|---|---------------------|---------------|--------------------------|
| | | | | | | |
| 802147 | 802148 | 802032 | 802708 | 802037 | 802036 | |
| BCDEFG | BCDEFG | BCDEFG | BCDEFG | BCDEFG | BCDEFG | Pag. 68 |

| TECHNICAL CHARACTERISTICS | | CODE | V _{ph} | A _{MIN} MAX | A _{MAX} 40°C EN60974-1 | A _{60%} 40°C EN60974-1 | V _o | P _{60%} MAX | I | cos φ | N | ST | SS | AL | FX | W _L H L | kg |
|---------------------------|--------------------------|--------|-----------------|-------------------------|---------------------------------------|---------------------------------------|----------------|-------------------------|----|-------|---|------------|-----|------------|------------|--------------------------|------|
| | | | V | A | A | A | V | kW | A | | | mm | | | | mm (LxWxH) | kg |
| A | Bimax 105 | 820081 | 230 1 ph | 55÷80 | 80 10% | - | 27 | 2,5 | 10 | 0,9 | 2 | - | - | - | 0,8 | 355x175x300 | 12,7 |
| B | Bimax 4.135 Turbo | 820005 | 230 1 ph | 50÷120 | 105 15% | 50 | 30 | 1,5 3,6 | 10 | 0,9 | 4 | 0,6 0,8 | 0,8 | 0,8 | 0,8 0,9 | 420x240x370 | 17,3 |
| C | 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 | 0,8 1,2 | 730x370x475 | 23 |
| D | Bimax 4.195 Turbo | 821016 | 230 1 ph | 30÷160 | 140 15% | 80 | 31 | 2,3 5,2 | 16 | 0,9 | 6 | 0,6 0,8 | 0,8 | 0,8 1 | 0,8 1,2 | 640x350x470 | 29 |
| E | Bimax 132 Turbo | 821010 | 230 1 ph | 50÷120 | 105 15% | 50 | 30 | 1,3 3,6 | 10 | 0,9 | 4 | 0,6 0,8 | 0,8 | 0,8 0,9 | 0,8 0,9 | 480x275x380 | 21 |
| F | 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 | 0,8 1,2 | 730x370x475 | 23 |
| G | 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 | 0,8 1,2 | 640x350x470 | 25 |



H Telmig 150/1 Turbo



I Telmig 170/1 Turbo



J Telmig 180/2 Turbo



K Telmig 195/2 Turbo

OPTIONAL

| | | | | | | | |
|---|--|---|--|--|--|--|--|
| MMA - MIG/MAG TIG MASK TRIBES Automatic 802837 OTHER MASKS Pag. 11 | MIG - MAG TORCHES 4m 742181 | GAS CONNECTION KIT Throwaway Bottle 802032 | STAINLESS STEEL KIT 802037 | ALUMINIUM KIT 802036 802115 | NAIL SPOT WELDING KIT 802034 | PLATE TEMPERING KIT 802035 | MIG - MAG CONSUMABLES Pag. 68-69 |
| | K | H | HIJK | HIJ K | HIJK | K | |

| TECHNICAL CHARACTERISTICS | CODE | V _{ph} | A _{MIN} A _{MAX} | A _{MAX} 40°C EN60974-1 A | A _{60%} 40°C EN60974-1 A | V _o | P _{50%} MAX | I | φ | ☀ | ST | SS | AL | IP | W _L H mm (LxWxH) | kg |
|-----------------------------|--------|--------------------|--------------------------------------|--|--|----------------|-------------------------|----|-------|----|------------|-----|----------|------|-----------------------------------|----|
| | | V (50-60Hz) | A | A | A | V | kW | A | cos φ | N° | mm | mm | mm | | mm (LxWxH) | kg |
| H Telmig 150/1 Turbo | 821052 | 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 | IP21 | 730x370x475 | 24 |
| I 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 | 0,8 1 | IP21 | 800x450x570 | 37 |
| J 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 | 0,8 1 | IP21 | 800x450x570 | 37 |
| K Telmig 195/2 Turbo | 821069 | 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 |



A Telmig 200/2 Turbo

B Telmig 251/2 Turbo

C Telmig 281/2 Turbo

1 phV

3 phV



D Telmig 203/2 Turbo

E Telmig 250/2 Turbo



OPTIONAL

MMA - MIG/MAG TIG MASK



JAGUAR

Automatic - Variable

☐ 802779

OTHER MASKS

Pag. 11

MIG - MAG TORCHES



4m

☐ 742181 **ABDE**

4m

☐ 742184 **C**

STAINLESS STEEL KIT



☐ 802037

ALUMINIUM KIT



☐ 802115

AB CDE

NAIL SPOT WELDING KIT



☐ 802034

ABDE

PLATE TEMPERING KIT



☐ 802035

AB CDE

WELDING GUNS FOR AUTOMOTIVE



☐ 802627

☐ 802586

MIG - MAG CONSUMABLES



Pag. 68-69

| TECHNICAL CHARACTERISTICS | | CODE | V _{ph} V (50-60Hz) | A _{MIN} A | A _{MAX} A | A _{60%} A | V ₀ V | P _{60%} kW | I _{60%} A | cos φ | N° | ST | SS | AL | IP | W _H mm (LxWxH) | kg |
|---------------------------|--------------------|--------|--------------------------------|-----------------------|-----------------------|-----------------------|---------------------|------------------------|-----------------------|-------|----|------------|----------|----------|------|------------------------------|----|
| A | Telmig 200/2 Turbo | 821056 | 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 |
| B | Telmig 251/2 Turbo | 821070 | 230 1 ph | 40÷240 | 200 15% | 125 | 53 | 4 8 | - | 0,9 | 8 | 0,6 1 | 0,8 | 0,8 1 | IP22 | 800x450x655 | 53 |
| C | Telmig 281/2 Turbo | 820099 | 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 | 59 |
| D | Telmig 203/2 Turbo | 821060 | 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 |
| E | Telmig 250/2 Turbo | 821061 | 230-400 3 ph | 35÷260 | 200 20% | 115 | 33 | 3 7 | 16-10 | 0,9 | 6 | 0,6 1 | 0,8 1 | 0,8 1 | IP21 | 800x450x655 | 50 |

MAX
15 kg
300mm

WIRE FEEDER
4
ROLLS
H I J K

CE

ERC



F Mastermig 220/2



G Mastermig 270/2



COIL COVER
OPTIONAL
AQUA



H Mastermig 300



I Mastermig 400



J Mastermig 500



K Mastermig 500 AQUA

OPTIONAL

AQUA = WATER COOLED

MIG - MAG CONSUMABLES PAG.68-69

| | | | | | | | |
|---|--|---|--|---|---|---|--|
| MMA - MIG/MAG - TIG MASK JAGUAR Automatic - Variable □ 802779 OTHER MASKS Pag. 11 | MIG - MAG TORCHES 4m □ 742181 F □ 742184 GH □ 742187 IJ 5m □ 742182 F □ 742185 GH □ 742188 IJ 5m AQUA □ 742683 K | STAINLESS STEEL KIT □ 802037 F ALUMINIUM KIT □ 802273 HIJK □ 802766 FG | FLUX KIT □ 802466 HIJK SPOT TIMER □ 980706 | COIL ADAPTOR □ 802486 | PLATE TEMPERING KIT □ 802035 FG NAIL SPOT WELDING KIT □ 802034 F | EXTENSIONS 4m □ 802266 HIJK 10m □ 802267 HIJK COIL COVER □ 802595 HIJK | WELDING GUNS FOR AUTOMOTIVE □ 802627 □ 802586 WATER COOLING SYSTEM G.R.A. 90 □ 802043 J |
|---|--|---|--|---|---|---|--|

| TECHNICAL CHARACTERISTICS | CODE | V _{ph} | A _{MIN} MAX | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | P _{60%} MAX | φ | cos φ | N° | ST | SS | AL | FX | BZ | IP | W _L H L | kg |
|---------------------------------|--------|-----------------|-------------------------|--------------------------|--------------------------|----------------|-------------------------|-------|-------|----|------------|------------|------------|----------|------------|------------|--------------------------|-----|
| | | V (50-60Hz) | A | EN60974-1 A | EN60974-1 A | V | kW | A | | | | | | | | mm (LxWxH) | | |
| F 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 |
| G 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 |
| H 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 |
| I 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 |
| J 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 |
| K 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



A Supermig 380

B-C Supermig 480 (AQUA)

D-E Supermig 580 (AQUA)

OPTIONAL

AQUA = WATER COOLED

MMA - MIG/MAG - TIG MASK



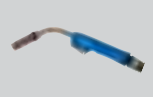
JAGUAR
Automatic - Variable
802779



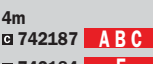
TRIBE
Automatic
802837

OTHER MASKS Pag. 11

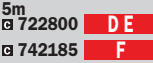
MIG - MAG TORCHES



3m AQUA
722625 **BCDE**



4m
742187 **ABC**
742184 **F**



5m
722800 **DE**
742185 **F**
742188 **ABC**



5m AQUA
722683 **BCDE**

SPOOL GUN M6



802407 **F**



802630 **F**



G.R.A. 2500
802109 **BD**

ALUMINIUM KIT



802273 **ABCF**
802409 **DE**



802276 **BCDE**
802466 **AF**

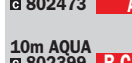
EXTENSIONS



4m
802348 **BD**
802472 **A**



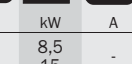
4m AQUA
802398 **BCDE**



10m
802349 **BD**
802473 **A**



10m AQUA
802399 **BCDE**



30m AQUA
802470 **BCDE**

COIL ADAPTOR

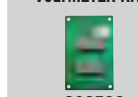


802486 **ABCDE**



802292 **ABCDE**

AMPERMETER-VOLTMETER KIT



802598 **BCDE**



802035 **F**



Pag. 68-69

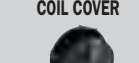
SPOT TIMER



980706 **A**



802290 **ABCDE**



802595 **ABCDE**

| | TECHNICAL CHARACTERISTICS | CODE | V _{ph} V (50-60Hz) | A _{MIN} A | A _{MAX} 40°C A | A _{60%} 40°C A | V _o | P _{50%} MAX kW | η _{cos φ} | φ | N° | mm | | | | | IP | mm (LxWxH) | kg |
|----------|---------------------------------|--------|--------------------------------|-----------------------|-------------------------------|-------------------------------|----------------|-------------------------------|--------------------|-----|----|------------|------------|------------|----------|------------|------|---------------|-----|
| | | | | | | | | | | | | ST | SS | AL | FX | BZ | | | |
| A | Supermig 380 | 822043 | 230-400 3 ph | 40÷350 | 350 35% | 260 | 43 | 8,5 15 | - | 0,9 | 18 | 0,6 1,6 | 0,8 1,6 | 0,8 1,2 | 1 1,6 | 0,8 1,2 | IP22 | 890x453x1285 | 101 |
| B | Supermig 480 | 822044 | 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 |
| C | Supermig 480 AQUA (*) | 822046 | 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 | 134 |
| D | Supermig 580 | 822045 | 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 |
| E | Supermig 580 AQUA (*) | 822047 | 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 | 203 |
| F | Digital Mig 330 Synergic | 820030 | 230-400 3 ph | 40÷320 | 300 25% | 215 | 41 | 7,5 11 | 16-10 | 0,9 | 12 | 0,6 1,2 | 0,8 1,2 | 0,8 1,2 | - | 0,8 1,2 | IP22 | 870x453x800 | 81 |

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

inverter

ONE TOUCH



G Technomig 150 Dual Synergic

H Technomig 180 Dual Synergic - EURO



J



I Technomig 210 Dual Synergic

ONE TOUCH



J Technomig 215 Dual Synergic

MULTIPROCESS
MIG - MMA - TIG

ONE TOUCH



Advanced
ATC
Thermal Control

TIG LIFT

OPTIONAL

| MMA - MIG/MAG - TIG MASK | MIG - MAG TORCHES | ALUMINIUM KIT | STEEL KIT - GAS | ELECTRODE HOLDER | TROLLEY AMERICA | TROLLEY ARCTIC | MIG - MAG CONSUMABLES |
|--|--|--|--|--|-------------------------|-------------------------|-----------------------|
| JAGUAR Automatic - Variable 802779 | 4m 742181 H I J 5m 742182 J | 802036 G H 802115 H (EURO) I 802817 J | 802147 Refillable Bottle 802148 GAS CONNECTION KIT Throwaway Bottle 802032 Refillable Bottle 802708 | DX 25 713281 J L M DX 50 713282 K | 803074 G H I | 803059 G H I | Pag. 68-69 |
| OTHER MASKS Pag. 11 | TIG TORCH 4m 722563 J | STAINLESS STEEL KIT 802037 G H I J | 802034 G H I J | 803076 J | 803073 J | | |

| TECHNICAL CHARACTERISTICS | CODE | V _{ph} | A _{MIN} | A _{MAX} | A _{60%} | V ₀ | A _{60%} | P _{60%} | I ₀ | η/cos φ | ST | SS | AL | FX | BZ | Ø | IP | W _L × H _L | kg |
|--------------------------------------|--------|-----------------|------------------|------------------|------------------|----------------|------------------|------------------|----------------|-------------|------------|------------|------------|------------|-----|----------|------|---------------------------------|------|
| | | V (50-60Hz) | A | EN60974-1 A | EN60974-1 A | V | kW | A | | | | | | | | mm | | mm (LxWxH) | kg |
| G Technomig 150 Dual Synergic | 816050 | 230 1 ph | 20÷150 | 115 20% | 65 | 50 | 8,7 2,8 | 1,2 2,8 | 16 | 0,86 0,7 | 0,6 0,8 | 0,8 0,8 | 0,8 1,2 | 0,8 0,8 | 0,8 | - | IP23 | 460x240x360 | 10,1 |
| H Technomig 180 Dual Synergic | 816051 | 230 1 ph | 20÷170 | 140 20% | 80 | 60 | 12 24 | 1,6 3,8 | 16 | 0,86 0,7 | 0,6 0,8 | 0,8 0,8 | 0,8 1,2 | 0,8 0,8 | 0,8 | - | IP23 | 460x240x360 | 10,8 |
| Technomig 180 Dual Synergic Euro | 816054 | | | | | | | | | | | | | | | | | | 12,1 |
| I Technomig 210 Dual Synergic | 816052 | 230 1 ph | 20÷200 | 180 20% | 100 | 60 | 15 32 | 2 5 | - | 0,89 0,6 | 0,6 1 | 0,8 1 | 0,8 1,2 | 0,8 1 | 0,8 | - | IP23 | 460x240x360 | 12,3 |
| J Technomig 215 Dual Synergic | 816053 | 230 1 ph | 20÷220 | 180 20% | 100 | 78 | 15 32 | 2,2 5 | - | 0,84 0,7 | 0,6 1 | 0,8 1 | 0,8 1,2 | 0,8 1 | 0,8 | 1,6 4 | IP23 | 620x260x490 | 22 |

inverter



A Technomig 225 Pulse

MULTIPROCESS
MIG - MMA - TIG

Weld⁺

Active Synergy

PULSE



Advanced

ATC: excellent results on thin thicknesses

- EN • easy welding of thin materials
- decreased deformation of material
- extremely stable arc even when working with low currents
- rapid and accurate tack welding
- easier coupling of spaced sheets
- excellent results on steel, aluminium and during brazing operations
- IT • saldature su spessori sottili con grande facilità
- minore deformazione del materiale
- arco estremamente stabile anche alle basse correnti
- saldatura a punti rapida e precisa
- unione facilitata di lamiere distanziate tra loro
- ottimi risultati su acciaio, alluminio e con brasatura
- 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



B Technomig 223Treo Synergic **C** Technomig 223Treo Synergic + Spool Gun

MULTIPROCESS
MIG - MMA - TIG

ONE TOUCH
LCD

Synergy

Advanced
ATC
Thermal Control

TIG LIFT

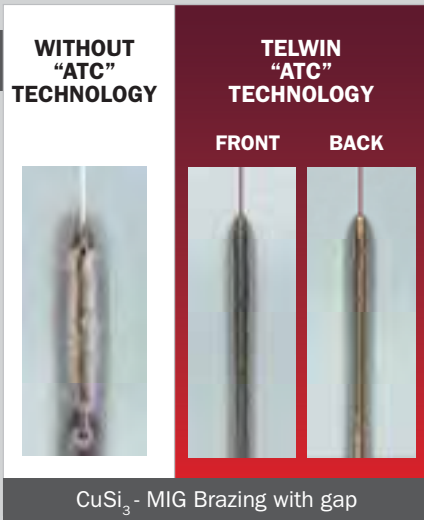
WIRE FEEDER
4
ROLLS

OPTIONAL

| MMA - MIG/MAG - TIG MASK | MIG - MAG TORCHES | SPOOL GUN M6 | ALUMINIUM KIT | STEEL KIT - GAS | REMOTE CONTROLS | COIL ADAPTOR | MIG - MAG CONSUMABLES |
|--|--|--------------------------------|----------------------------------|---|--------------------------|-----------------------|-----------------------|
| JAGUAR Automatic - Variable 802779 | 4m 742181 BC 742184 A 5m 742182 BC 742185 A | 802407 BC | 802766 A 802836 BC | Refillable Bottle 802148 BC GAS CONNECTION KIT Refillable Bottle 802708 BC ELECTRODE HOLDER DX 25 713281 BC DX 50 713282 A | 802219 A 802336 A | 15 kg 802479 A | Pag. 68-69 |
| OTHER MASKS Pag. 11 | TIG TORCHES 4m 742058 A 722563 BC | DOUBLE BOTTLE KIT 803067 BC | STAINLESS STEEL KIT 802037 BC | NAIL SPOT WELDING KIT 802034 BC | TROLLEY 803051 A | | |

| TECHNICAL CHARACTERISTICS | CODE | V _{ph} (50-60Hz) | A _{MIN} MAX | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | A _{60%} MAX | P _{60%} MAX | η | mm | | | | | mm | IP | mm (LxWxH) | | kg |
|---|--------|------------------------------|-------------------------|--------------------------|--------------------------|----------------|-------------------------|-------------------------|------|-----|-----|-----|-----|-----|-----|------|------------|----|----|
| | | | | | | | | | | ST | SS | AL | FX | BZ | | | Ø | mm | |
| A Technomig 225 Pulse | 852026 | 230 | 5÷200 | 200 | 140 | 65 | 26 | 4 | 0,85 | 0,6 | 0,8 | 0,8 | 0,8 | 0,8 | 1,6 | IP23 | 505x | 27 | |
| B 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 | 870x | 52 | |
| C Technomig 223 Treo Synergic + Spool Gun M6 | 816120 | | | | | | | | | | | | | | | | 530x | 55 | |

Thermal Control



CuSi₃ - MIG Brazing with gap

- 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
- 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



D Electromig 220 Synergic

inverter



TIG LIFT



E Electromig 230 WAVE

F Electromig 330 WAVE



TIG LIFT

OPTIONAL

| MIG - MAG TORCHES | STAINLESS STEEL KIT | NAIL SPOT WELDING KIT | ELECTRODE HOLDER | TROLLEY EUROPA | TROLLEY NATIONAL | PUSH PULL BOARD KIT | BRAZING WIRE |
|--|---|---|--|-----------------------|-----------------------|---|--|
| 4m ☐ 742181 D 5m ☐ 742182 D TIG TORCHES 4m ☐ 742058 DEF | ☐ 802037 D ALUMINIUM KIT ☐ 802817 DE ☐ 802663 F | ☐ 802034 D SPOOL GUN M6 ☐ 802407 EF | DX 50 ☐ 713282 DEF BRAZING Use steel gas accessories | ☐ 803073 D | ☐ 803076 D | ☐ 980559 EF MIG - MAG CONSUMABLES Pag. 68-69 | Use steel gas accessories Ø 0,8mm 0,8kg CuSi ₃ ☐ 802495 CuAl ₉ ☐ 802496 |

| TECHNICAL CHARACTERISTICS | CODE | V _{ph} | A _{MIN} / A _{MAX} | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | A _{60%} / A _{MAX} | P _{60%} / P _{MAX} | η _{cos φ} | ST | SS | AL | FX | BZ | Ø _{MIN} / Ø _{MAX} | IP | W _L / H | kg | |
|----------------------------------|--------|-----------------|-------------------------------------|-----------------------|-----------------------|----------------|-------------------------------------|-------------------------------------|--------------------|--------------|------------|------------|------------|------------|-------------------------------------|----------|--------------------|-------------|----|
| D Electromig 220 Synergic | 816059 | 400 3 ph | 20÷230 | 200 20% | 105 | 75 | 5 9 | 3 5,8 | 10 | 0,87 0,65 | 0,6 1 | 0,8 1 | 0,8 1 | 0,8 1,2 | 0,8 1 | 1,6 4 | IP23 | 620x260x490 | 23 |
| E Electromig 230 WAVE | 816060 | 400 3 ph | 20÷240 | 220 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 |
| F Electromig 330 WAVE | 816061 | 400 3 ph | 15÷330 | 300 30% | 210 | 67 | 11 16 | 6 10 | 16 | 0,86 0,8 | 0,6 1,2 | 0,8 1,2 | 0,8 1,2 | 0,8 1,2 | 0,8 1,2 | 1,6 5 | IP23 | 795x375x730 | 35 |

MULTIPROCESS
MIG - MMA - TIG

inverter

Weld⁺

CELLULOSIC
Aluminium

CARBON
Cut

VRD
VOLTAGE REDUCTION DEVICE

AQUA



A-B Superior 400 CE VRD MIG PACK/AQUA



C-D Superior 630 CE VRD MIG PACK/AQUA



OPTIONAL

MIG - MAG CONSUMABLES PAG.70

| 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 5m ☐ 742188 AB ☐ 722800 CD 5m AQUA ☐ 722683 ABCD | 4m ☐ 742058 ABCD GAS REGULATOR ☐ 722119 ABCD | ☐ 802273 A ☐ 802409 BCD FLUX KIT ☐ 802276 BCD ☐ 802466 A | DX 50 ☐ 713282 AB BRAZING Use steel gas accessories | ☐ 802497 C WATER COOLING SYSTEM G.R.A. 4000 ☐ 802640 A | 4m ☐ 802348 CD ☐ 802472 AB 4m AQUA ☐ 802398 ABCD 10m ☐ 802349 CD ☐ 802473 AB 10m AQUA ☐ 802399 ABCD 30m AQUA ☐ 802470 ABCD | ☐ 802595 ABCD COIL ADAPTOR ☐ 802486 ABCD | ☐ 802292 ABCD G.R.A. MAIN CONNECTION KIT ☐ 980604 AC |

| | TECHNICAL CHARACTERISTICS | CODE | V _{ph} V (50-60Hz) | A _{MIN} A | A _{MAX} 40°C EN60974-1 A | A _{60%} 40°C EN60974-1 A | V ₀ V | A _{50%} MAX A | P _{50%} MAX kW | η cos φ | mm | | | | | | IP | mm (LxWxH) | kg |
|----------|---------------------------------------|--------|--------------------------------|-----------------------|--|--|---------------------|------------------------------|-------------------------------|-------------|-----|-----|-----|-----|-----|-----------------------------|--------------|------------|-----|
| | | | | | | | | | | | ST | SS | AL | FX | BZ | Ø _E MIN mm | | | |
| 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 | 0,8 | 0,8 | 1 | 0,8 | IP23 | 950x450x1200 | 68 | |
| B | Superior 400 CE VRD Mig Pack AQUA (*) | 816042 | 230÷400 3 ph | 10÷300 (230V) | 250@25% | 170 | 63 | 14/24 | 5/8 | | 1,6 | 1,6 | 1,6 | 1,6 | 1,2 | | | | 1,6 |
| 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 | 0,8 | 0,8 | 1 | 0,8 | 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 | | 2,4 | 2,4 | 1,6 | 1,2 | 1,2 | | | | 1,6 |
| | | | | 10÷450 (230V) | 400@35% | 300 | 65 | 25/44 | 10/16 | | | | | | | | | 108 | |



E Inverpulse 320

F Inverpulse 320 AQUA

inverter

MULTIPROCESS
MIG - MMA - TIG

Weld⁺



mod. 425 - 625

mod. 425 - 625



MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX



G Inverpulse 425

H Inverpulse 425 AQUA

I Inverpulse 625

J Inverpulse 625 AQUA

ACCESSORIES: PAG.32

| TECHNICAL CHARACTERISTICS | CODE | V _{ph} | A _{MIN} MAX | A _{MAX} 40°C | A _{60%} 40°C | V _o | A _{60%} MAX | P _{60%} MAX | I | η | ST | SS | AL | FX | BZ | Ø | IP | W _L | kg |
|----------------------------------|--------|-----------------|-------------------------|--------------------------|--------------------------|----------------|-------------------------|-------------------------|----|---------|-----|-----|-----|-----|-----|-----|------------|----------------|-----|
| | | V (50-60Hz) | A | EN60974-1 A | EN60974-1 A | V | A | kW | A | η cos φ | mm | mm | mm | mm | mm | mm | mm (LxWxH) | kg | |
| E Inverpulse 320 | 815301 | 400 | 10÷300 | 270 | 190 | 78 | 10,7 | 6 | 16 | 0,85 | 0,6 | 0,8 | 0,8 | 1 | 0,8 | 1,6 | IP23 | 670x310x560 | 45 |
| F Inverpulse 320 AQUA (*) | 815336 | 400 | 10÷300 | 270 | 190 | 78 | 10,7 | 6 | 16 | 0,8 | 1,2 | 1,2 | 1,2 | 1,2 | 1,2 | 6 | IP23 | 1150x600x1190 | 96 |
| G Inverpulse 425 | 815479 | 400 | 10÷400 | 350 | 300 | 83 | 15,5 | 8 | 16 | 0,87 | 0,6 | 0,8 | 0,8 | 1 | 0,8 | 1,6 | IP23 | 1130x580x1220 | 99 |
| H Inverpulse 425 AQUA (*) | 815488 | 400 | 10÷400 | 350 | 300 | 83 | 15,5 | 8 | 16 | 0,8 | 1,6 | 1,6 | 1,6 | 1,6 | 1,2 | 6 | IP23 | 1130x580x1460 | 117 |
| I Inverpulse 625 | 815490 | 400 | 10÷600 | 500 | 400 | 82 | 23 | 13 | 16 | 0,86 | 0,6 | 0,8 | 0,8 | 1 | 0,8 | 1,6 | IP23 | 1130x580x1220 | 102 |
| J Inverpulse 625 AQUA (*) | 815500 | 400 | 10÷600 | 500 | 400 | 82 | 23 | 13 | 16 | 0,8 | 2,4 | 2,4 | 1,6 | 2,4 | 1,2 | 8 | IP23 | 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 Weld+ Products: 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 Prodotti Weld+: 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
- Connessioni Avanzate: possibilità di interfacciarsi a sistemi e aggiornare il software (porta USB)

FR Produits Weld+: 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 installations
- Programmes Synergiques pour faciliter toutes les tâches
- Connexions Avancées (USB) pour l'interfaçage des systèmes et la mise à niveau logicielle

ES Productos Weld+: 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 Weld+ Produkte: hoch entwickeltes & innovatives PULSED ARC Made in Telwin

- Multiprozess-Inverter (PULSE, POP, LÖTEN, WIG, MMA) für einen breiten Anwendungsbereich
- Benutzerfreundliches digitales Anzeigegerät zur Funktionskontrolle
- Durch Synergieprogramme werden alle Arbeitsaufgaben leicht
- Hochmoderne Anschlüsse (USB) für die Schnittstellenvernetzung von Systemen und Software-Upgrades

RU Weld+ Изделия: 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

OPTIONAL

Blue line

CONSUMABLES: TIG PAG.65, MIG - MAG PAG.70

MMA - MIG/MAG TIG MASK



VANTAGE RED XL

Automatic Variable
 ☐ 802936
 OTHER MASKS Pag. 11

MIG - MAG TORCHES



4m ☐ 742187 **EF**
 5m ☐ 742188 **EF**
 ☐ 722800 **GHIJ**
 5m AQUA ☐ 722683 **EFGHIJ**

TIG TORCHES



4m ☐ 742427
 4m ☐ 742463
 4m AQUA ☐ 742570
 4m AQUA ☐ 742462
 8m ☐ 742431
 8m ☐ 742464
 8m AQUA ☐ 742497
EFGHIJ

ALUMINIUM KIT



☐ 802596 **E**
 ☐ 802409 **EFGHIJ**

FLUX KIT



☐ 802466 **EF**
 ☐ 802276 **GHIJ**

EXTENSIONS



4m ☐ 802348
 4m AQUA ☐ 802398
 10m AQUA ☐ 802349
 30m AQUA ☐ 802399
GHIJ

SPOOL GUN M6



☐ 802407 **EF**

REMOTE CONTROLS



☐ 802219 **EFGHIJ**
 ☐ 802336 **EFGHIJ**
 ☐ 802017 **GHIJ**

ELECTRODE HOLDER



DX 25 ☐ 713282 **EFGHIJ**

PUSH PULL BOARD KIT

☐ 980559 **EFGHIJ**

WATER COOLING SYSTEM G.R.A. 3000



☐ 802497 **E G I**

AUTOTRANSFORMERS



ATT 300 3ph 208V-230V
 ☐ 802681 **EFGHIJ**

TROLLEY

☐ 803071 **E**

G.R.A. MAIN CONNECTION KIT



☐ 980604 **E G I**

DOUBLE BOTTLE SUPPORT KIT



☐ 803055 **EFGHIJ**

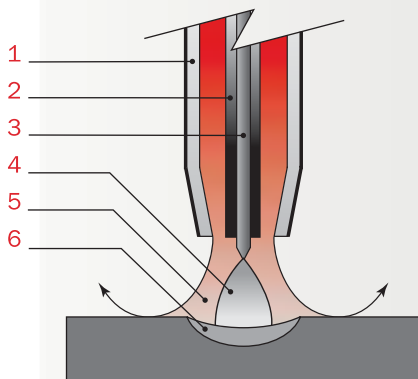
COIL ADAPTOR



☐ 802486 **GHIJ**

TIG Welding

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 Characteristics

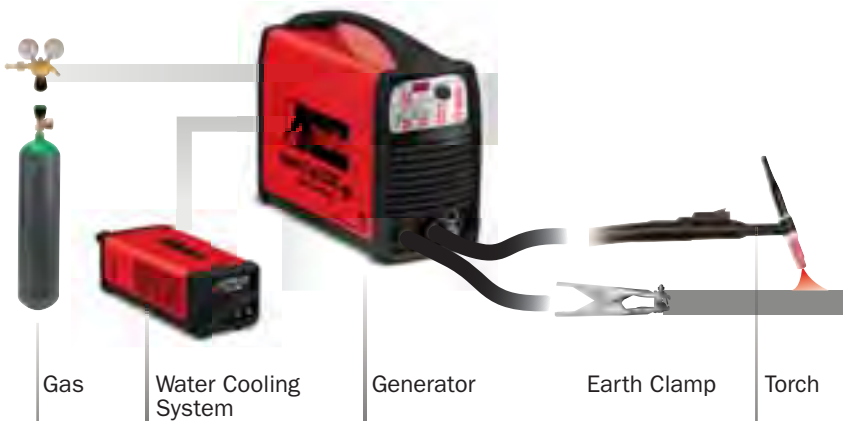
PLUS

- 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

TIG Welding Circuit



Gas



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 flujo 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.

TIG Welding



| Materials | DC | AC |
|--|----|----|
| EN Steel IT Acciaio FR Acier ES Acero DE Stahl RU Сталь | ✓ | |
| EN Stainless Steel IT Acciaio Inox FR Acier Inox ES Acero Inoxidable DE Edelstahl RU Нержавеющая Сталь | ✓ | |
| EN Cast Iron IT Ghisa FR Fonte ES Fundición DE Gußeisen RU Чугун | ✓ | |
| EN Copper IT Rame FR Cuivre ES Cobre DE Kupfer RU Медь | ✓ | |
| EN Nickel IT Nichel FR Nickel ES Níquel DE Nickel RU Никель | ✓ | |
| EN Titanium IT Titanio FR Titane ES Titanio DE Titan RU Титан | ✓ | |
| EN Aluminium IT Alluminio FR Aluminium ES Aluminio DE Aluminium RU Алюминий | | ✓ |
| EN Brass IT Ottone FR Laiton ES Latón DE Messing RU Латунь | | ✓ |
| EN Bronze IT Bronzo FR Bronze ES Bronce DE Bronze RU Бронза | | ✓ |
| EN Alloys IT Leghe FR Alliages ES Aleaciones DE Legierungen RU Сплавы | | ✓ |
| 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'innesco 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 Innesco 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 Innesco 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 a 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 las 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.

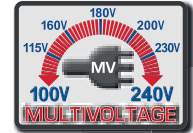


inverter

TIG LIFT
DIGITAL
MMA ADJUSTABLE
 • ARC FORCE
 • HOT-START

MMA & TIG WELDING PACKAGE:
be ready to weld!

mod. Tecnica 190 Tig


VOLTAGE REDUCTION DEVICE
 mod. Tecnica 190 Tig, Advance 227 MV/PFC Tig

A Force 170 Tig DC-LIFT

B Tecnica 190 Tig DC-LIFT VRD

C Advance 227 MV/PFC Tig DC-LIFT VRD

D Tecnica Tig 160 DC-HF/LIFT

E Technology Tig 185 DC-HF/LIFT

ACCESSORIES

Blue line

| MMA - MIG/MAG TIG MASK | TIG WELDING KIT | TIG TORCHES | MMA WELDING KIT | REMOTE CONTROLS | GAS REGULATOR | STAINLESS STEEL TIG CLEANING KIT | GLOVES |
|--|--|---|--|---|---|--|--|
| <p>STREAM Automatic 802813</p> <p>OTHER MASKS Pag. 11</p> | <p>801097 BC 801113 A 802415 DE</p> | <p>4m 742423 DE 742460 DE</p> | <p>10mm² 3+2m DX25 801000 A</p> <p>16mm² 3+2m DX25 801096 BCDE</p> | <p>1 pot. 802219 DE</p> <p>2 pot. 802336 DE</p> <p>Pedal 802017 DE</p> | <p>722119 CDE 722341 AB</p> <p>TIG PULSE 802057 E</p> | <p>CLEANTECH 100 850000</p> <p>ELECTRODE HOLDER DX 25 713281 ABCDE</p> | <p>802632 OTHER GLOVES Pag. 74</p> <p>TIG CONSUMABLES</p> <p>Pag. 65</p> |

| TECHNICAL CHARACTERISTICS | STANDARD ACCESSORIES | CODE | V _{ph} | A _{MIN} / A _{MAX} | % TELWIN USE 20°C | A _{MAX} 40°C | A _{60%} 40°C | V ₀ | A _{60%} MAX | P _{60%} MAX | P _{GEN} | I _{ph} | η cos φ | Ø MIN / MAX | IP | kg | GENERATOR ONLY |
|---|----------------------|--------|------------------------------------|-------------------------------------|-------------------|-----------------------|-----------------------|----------------|----------------------|----------------------|------------------|-----------------|--------------|-------------|------|---------------|----------------|
| | | | V (50-60Hz) | A | | EN60974-1 | EN60974-1 | V | A | kW | kW | A | | mm | | gen(kit) | code |
| A Force 170 Tig DC-LIFT | + [AL] + [ACC] | 816214 | 230 1 ph | 10÷150 | 60%@150A | 140 10% | - | 78 | - 27 | - 4,1 | 6 | 16 | 0,84 0,6 | 1,6 4 | IP21 | 3 (6,8) | 816014 |
| B Tecnica 190 Tig DC-LIFT VRD | + [AL] + [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 |
| C Advance 227 MV/PFC Tig DC-LIFT VRD | + [ACC] | 852052 | 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 (9,2) | 816010 |
| D Tecnica Tig 160 DC-HF/LIFT | + [AL] + [ACC] | 815957 | 230 1 ph | 5÷130 | - | 130 15% | 75 | 93 | 13 25 | 1,7 3,7 | - | 16 | 0,8 0,6 | 1,6 3,2 | IP21 | 4,8 (11) | 815189 |
| E Technology Tig 185 DC-HF/LIFT | + [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_{ph} = 20A



A Technology Tig 230 DC-HF/LIFT VRD



B Technology Tig 182 AC/DC-HF/LIFT



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

ACCESSORIES

Blue line Green line

TIG CONSUMABLES PAG.65

| | | | | | | | |
|---|---|---|---|--|--|---|--|
| 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 E 4m AQUA 742426 F 742462 F 8m 742431 E 742616 AC 742464 E | TIG TORCHES 4m 742618 POT* AC + adaptor 802810 8m AQUA 742619 POT* AC + adaptor 802810 | ELECTRODE HOLDER DX 25 713281 BD DX 50 713282 ACEF TIG PULSE 802057 A EF | TIG WELDING KIT 802415 B 802788 AC WATER COOLING SYSTEM G.R.A. 90 802043 E | REMOTE CONTROLS 1 pot. 802219 ABCEF 2 pot. 802336 ABCEF Pedal 802017 ABCEF | TROLLEY ARCTIC 803059 AC AMERICA 803074 AC | STAINLESS STEEL TIG CLEANING KIT CLEANTECH 100 850000 GLOVES 802632 OTHER GLOVES Pag. 74 |
|---|---|---|---|--|--|---|--|

| | TECHNICAL CHARACTERISTICS | CODE | V _{ph} V (50/60Hz) | A _{MIN} 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 | φ mm | IP | W _H L mm (LxWxH) | kg | GENERATOR ONLY | |
|----------|--------------------------------------|--------------|--------------------------------|------------------------|--|--|---------------------|------------------------------|-------------------------------|-------------------------|-------------|------------|-----------------------------------|-------------|----------------|---------------|
| | | | | | | | | | | | | | | | 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% | 100 | 100 | 20 34 | 3 5,5 | 20 | 0,77 0,6 | 1,6 4 | IP23 | 430x170x340 | 11,5 (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 | - | - | - | IP22 | 800x450x570 | 69 | - |
| E | Supertig 280/1 AC/DC-HF/LIFT | + ACC 832161 | 400 2 ph | 15÷250 AC | 250@30% AC | 170 AC | 73 AC | - | 6,1 10,5 | - | - | 0,4 | IP22 | 960x340x820 | 104 | - |
| F | Supertig 280/1 AC/DC-HF/LIFT AQUA* | + ACC 833017 | | 15÷250 DC | 250@30% DC | 180 DC | 105 DC | | | | | | | 960x640x820 | 113 | - |

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

Weld⁺

PULSE

EASY PULSE

AQUA inverter



G Superior Tig 251 DC-HF/LIFT VRD

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

I Superior Tig 311 DC-HF/LIFT



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

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

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

ACCESSORIES PAG. 38 – TIG CONSUMABLES PAG.65

| TECHNICAL CHARACTERISTICS | | 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 | β | η _{cos φ} | Ø _E MIN | IP | W _L H L | kg | GENERATOR ONLY |
|---------------------------|---|--------------|-----------------|--------------------------------------|--|--|----------------|-------------------------|-------------------------|----|--------------------|-----------------------|------------|--------------------------|----------------|----------------|
| | | | V (50-60Hz) | A | A | A | V | A | kW | A | | mm | mm (LxWxH) | gen (kit) | code | |
| G | Superior Tig 251 DC - HF/LIFT VRD | + ACC 816116 | 400 3 ph | 5÷250 | 230 20% | 115 | 101 | 6 12 | 3,3 7,5 | 10 | 0,85 0,8 | 1,6 5 | IP23 | 410x170x340 | 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 | 440x190x360 | 14,5 (19,6) | 816030 |
| | Superior Tig 252 AC/DC-HF/LIFT VRD AQUA | + ACC 816119 | 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 | 440x190x500 | 14,5 (25) | |
| I | Superior Tig 311 DC - HF/LIFT | + ACC 816100 | 400 3 ph | 7÷280 | 280 35% | 180 | 100 | 11 16 | 5 7,5 | 10 | 0,85 0,7 | 1,6 5 | IP23 | 475x170x340 | 15,2 (20) | 816015 |
| J | Superior Tig 322 AC/DC-HF/LIFT | + ACC 816101 | 400* 3 ph | 5÷270 | 270 40% | 215 | 64 | 11 15 | 7 10 | 16 | 0,85 0,92 | 1,6 5 | IP23 | 530x240x450 | 29 (33) | 816016 |
| | Superior Tig 322 AC/DC-HF/LIFT AQUA | + ACC 816102 | 400* 3 ph | 5÷270 | 270 40% | 215 | 64 | 11 15 | 7 10 | 16 | 0,85 0,92 | 1,6 5 | IP23 | 935x500x1195 | 29 (68) | |
| K | 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 | 400* 3 ph | 5÷350 | 350 35% | 250 | 64 | 13 21 | 8 14 | 16 | 0,85 0,9 | 1,6 6 | IP23 | 935x500x1195 | 27 (67) | |
| L | Superior Tig 422 AC/DC-HF/LIFT | + ACC 816105 | 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) | 816018 |
| | Superior Tig 422 AC/DC-HF/LIFT AQUA | + ACC 816106 | 400* 3 ph | 5÷350 | 350 35% | 250 | 64 | 13 21 | 8 14 | 16 | 0,85 0,9 | 1,6 6 | IP23 | 935x500x1195 | 31 (71) | |

(*) 3ph 208V - 230V ATT150

Superior Tig

Weld⁺ **PULSE**
EASY
PULSE
AQUA
3 YEARS WARRANTY
ON TRANSFORMER



Generator
Tig Accessories



Generator
Tig AQUA Accessories
GRA 4000



Generator
Tig Accessories
Europa Trolley



Generator
Tig AQUA Accessories
GRA 4000
Europa Trolley



Generator
Tig AQUA Accessories
GRA 4000
Mondial Trolley



ACCESSORIES

Blue line Green line

TIG CONSUMABLES PAG.65

MMA - MIG/MAG - TIG MASK



VANTAGE RED XL
Automatic - Variable
802936

OTHER MASKS Pag. 11

ELECTRODE HOLDER



25mm² 4m DX50
713282

TIG TORCHES

4m
742614 GH
742427 IJKL
742463 IJKL

4m AQUA
742615 H
742570 JKL
742462 JKL

8m
742616 GH
742431 IJKL
742464 IJKL

8m AQUA
742497 JKL

TIG TORCHES

4m
742618 POT* GH
+ adaptor 802810

4m AQUA
742617 POT* H
+ adaptor 802810

8m
742619 POT* GH
+ adaptor 802810

8m AQUA
742620 POT* H
+ adaptor 802810

TIG WELDING KIT

802788 GH
802607 IJKL

Kit AQUA
802789 H
802637 JKL

WATER COOLING SYSTEM

802790 H
802640 JKL

TROLLEY ARCTIC

803059 GH

TROLLEY AMERICA

803074 GI

TROLLEY

803051 I

TROLLEY MONDIAL

803072 JKL

TROLLEY EUROPA

803073 JKL

REMOTE CONTROLS

1 pot.
802219 GH IJ

2 pot.
802336 GH IJ

Pedal
802017 GH IJ

TIG PULSE

802057 I

STAINLESS STEEL TIG CLEANING KIT

CLEANTECH 100
850000

BOTTLE CONNECTION KIT

802067 JKL

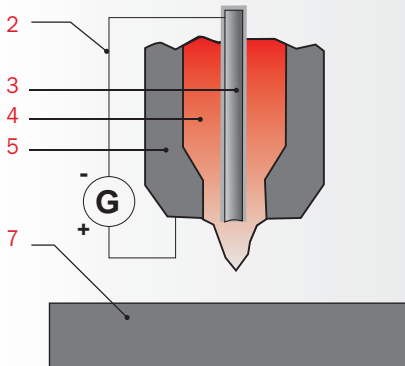
*POT = current potentiometer - potenziometro corrente - potentiometre courant - potenciometro corriente - Strom Potentiometer - потенциометр тока

Plasma Cutting

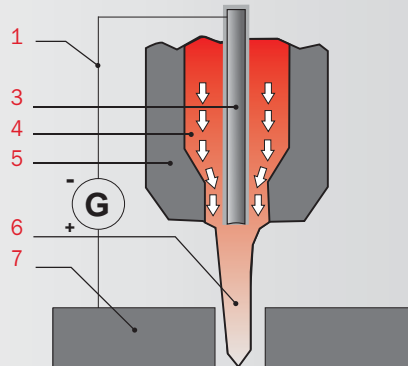


Plasma Process

Pilot Arc



Cutting Arc



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

Plasma Cutting Vs Oxiacetylenic 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 y 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.

HF Striking

- EN The pilot arc is struck thanks to a sparkle which is delivered by a particular circuit. This sends a high frequency and a high intensive impulse. Less wear of the internal parts of the torch.
- IT L'arco pilota viene acceso grazie ad una scintilla fornita da un particolare circuito che invia un impulso ad alta frequenza ed alta intensità. Minore usura delle parti interne della torcia.
- FR L'arc pilote est allumé grâce à une entécille fournie par un circuit particulier qui envoie une impulsion à haute intensité et à haute fréquence. Moins usure des parties internes de la torche.
- ES El arco piloto se enciende gracias a una chispa suministrada por un circuito especial que envía un impulso de alta intensidad y alta frecuencia. Menor desgaste de las partes internas del soplete.
- DE Der Pilotbogen wird mit einem Funken gezündet. Dieser wird von einem besonderen Schaltkreis erzeugt, der einen sehr intensiven hochfrequenz Impuls abgibt. Wenigere Abnutzung von den Innen Teilen des Brenners.
- RU Пилотная дуга зажигается благодаря искре, подаваемой специальным контуром, направляющим высокочастотный импульс с высокой интенсивностью. Малые износ внутренних частей горелки.



inverter WITH KOMPRESSOR



A Tecnica Plasma 31

B Technology Plasma 41

C Technology Plasma 54 Kompressor



D Superior Plasma 60 HF

E Superior Plasma 90 HF

F Superior Plasma 160

OPTIONAL

| | | | | | |
|---|--|---|--|---|---|
| <p>PLASMA TORCHES</p> <p>12m □ 722333 E</p> <p>FOR AUTOMATIC SYSTEMS</p> <p>12m Straight □ 722334 E</p> | <p>PLASMA TORCHES</p> <p>12m PS □ 742635 F</p> <p>FOR AUTOMATIC SYSTEMS</p> <p>12m PX □ 742636 F</p> | <p>CIRCULAR CUTTING UNITS</p> <p>∅ max 680mm □ 802214 ABC</p> <p>∅ max 920mm □ 802218 D</p> <p>∅ max 920mm □ 802211 E</p> | <p>TROLLEY</p> <p>□ 803051 E</p> | <p>PLASMA CONSUMABLES</p> <p>Pag. 71</p> | <p>CONTACT STRIKING ABC F</p> <p>HF STRIKING DE</p> <p>KOMPRESSOR INSIDE C</p> <p>MADE IN ITALY DEF</p> <p>CE ERC</p> |
|---|--|---|--|---|---|

| TECHNICAL CHARACTERISTICS | | CODE | V _{ph} | A _{MIN} | A _{MAX} | A _{60%} | V _o | A _{MAX} | P _{MAX} | I _{MAX} | η | φ | mm | L/min | bar | IP | W _L | H | L | kg |
|---------------------------|--|---------------|-----------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|-------------|----|-------|-------|------|-------------|----------------|---|---|------|
| | | | V (50-60Hz) | A | A | A | V | A | kW | A | η cos φ | mm | L/min | bar | | | mm (LxWxH) | | | kg |
| A | Tecnica Plasma 31 | 815014 | 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 | 815493 | 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 Kompressor | 815088 | 230 1 ph | 7÷40 | 35 30% | - | 400 | 27,5 | 4,5 | 16 | 0,7 0,7 | 10 | - | - | IP23 | 550x170x340 | | | | 16,8 |
| D | Superior Plasma 60 HF | 815506 | 400 3 ph | 15÷60 | 60 35% | - | 370 | 20 | 7,5 | 16 | 0,8 0,7 | 20 | 120 | 4÷5 | IP23 | 475x170x340 | | | | 19,4 |
| E | Superior Plasma 90 HF | 815518 | 400 3 ph | 20÷90 | 90 40% | - | 480 | 25 | 12 | - | 0,8 0,7 | 30 | 200 | 4÷5 | IP23 | 505x250x430 | | | | 30 |
| F | Superior Plasma 160 | 816174 | 230-400 3 ph | 30÷160 (400V) | 150 30% | 120 | 348 | 40 | 25 | - | 0,86 0,9 | 50 | 170 | 4÷5 | IP23 | 670x310x560 | | | | 44 |
| | | | | 30÷100 (230V) | 100 30% | 80 | 316 | 38 | 12,5 | - | 0,86 0,9 | | | | | | | | | |



G Enterprise Plasma 160 HF



H Superplasma 83 HF

I Superplasma 130 HF

OPTIONAL

PLASMA TORCHES



12m
722333 **G I**

FOR AUTOMATIC SYSTEMS



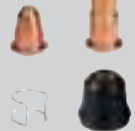
12m Straight
722334 **G I**

CIRCULAR CUTTING UNITS



Ø max 920mm
802211 **G I**
Ø max 920mm
802218 **H**

PLASMA CONSUMABLES



Pag. 71



G

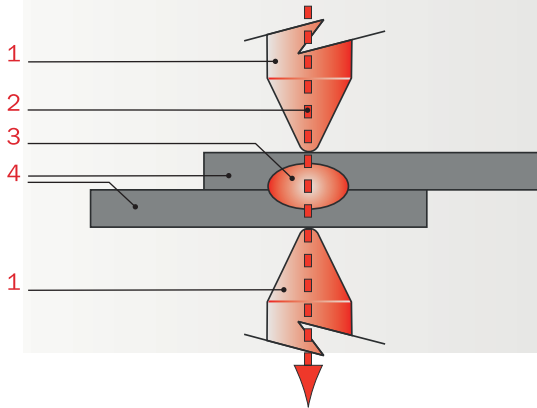
G



| TECHNICAL CHARACTERISTICS | | CODE | V _{ph} | A _{MIN} A _{MAX} | A _{MAX} 40°C EN60974-1 A | V ₀ | P _{MAX} | η _{cos φ} | IP _{MAX} | L/min | bar | IP | W _H L | kg |
|---------------------------|---------------------------------|---------------|-----------------|--------------------------------------|--|----------------|------------------|--------------------|-------------------|-------|-----|------|---------------------|-----|
| | | | V (50-60Hz) | A | A | V | kW | η/cos φ | mm | L/min | bar | | mm (LxWxH) | kg |
| G | Enterprise Plasma 160 HF | 815870 | 230-400 3 ph | 20÷160 | 160@40% | 260 | 25 | 0,86 0,9 | 45 | 200 | 4÷5 | IP22 | 840x453x800 | 123 |
| H | Superplasma 83 HF | 830511 | 230-400 3 ph | 40÷80 | 40@35% POS.1 70@35% POS.2 | 247 | 11,5 | 0,6 | 20 | 150 | 4÷5 | IP22 | 960x340x820 | 89 |
| I | Superplasma 130 HF | 830512 | 230-400 3 ph | 65÷120 | 65@60% POS.1 115@30% POS.2 | 243 | 20 | 0,86 | 30 | 200 | 4÷5 | IP22 | 960x340x820 | 86 |

Spot Welding

Spot Welding Process



EN 1.Electrode 2.Electric current
3.Core 4.Weldable material

ES 1.Electrodo 2.Corriente eléctrica
3.Núcleo 4.Material a soldar

IT 1.Elettrodo 2.Corrente elettrica
3.Nocciolo 4.Materiale da saldare

DE 1.Elektrode 2.Elektrische Strom
3.Kern 4.Schweißwerkstoff

FR 1.Électrode 2.Courant électrique
3.Noyau 4.Matériau à souder

RU 1.Электрод 2.Электрический
Ток направляющей 3.Ядро
4.Свариваемый Материал

Continuous Welding



EN It is used to weld no-treated metal sheets and permits to obtain a high productivity.

ES Se utiliza para soldar chapas cuya superficie no ha sido tratada y permite obtener una elevada productividad.

IT Viene utilizzata per saldare lamiere non trattate superficialmente e consente di ottenere una elevata produttività.

DE Ist durch eine hohe Produktivität gekennzeichnet und wird auf Blechen verwendet, deren Oberfläche unbehandelt ist.

FR S'utilise sur des tôles non traitées en surface et permet une haute productivité.

RU Используется для сварки листов, не обработанных на поверхности, и позволяет получить повышенную производительность.

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.

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.

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.

ES Se utiliza para soldar chapas con restos de pintura, oxidadas, galvanizadas o con alto límite de deformación. En especial, el pulsado en corriente continua de media frecuencia (MFDC inverter) permite una dinámica y un control de la soldadura por puntos aún más precisos y rápidos, fundamentales para intervenciones en los nuevos materiales.

DE Wird für die Bearbeitungen von Blechen mit Lackspuren, von oxidierten, verzinkten oder solchen Blechen mit hoher Streckgrenze benutzt. Das pulsierte Gleichstromverfahren mit mittlerer Frequenz (MFDC inverter) ermöglicht eine noch genauere und reaktionsschnellere Dynamik und Steuerung beim Punkten, was für Arbeiten an neuen Werkstoffen von grundlegender Bedeutung ist.

RU Используется для сварки листов со следами краски, окисленных, оцинкованных или с высоким риском текучести металла. В частности, импульсы при постоянном токе средней частоты (MFDC инвертер) позволяют обеспечить динамику и контроль контактной сварки, становящейся еще более точной и быстрой, что очень важно для новых материалов.

Spot Process

| Spot/Hour | Modular 20/Ti | | Digital Modular 230-400 | | Spotter 7000 | | Spotter 9000 | | Spotter 9000 AQUA | | Inverspotter 12000 | | Inverspotter 13000 | |
|-----------|---------------|------------|-------------------------|-------|--------------|-------|--------------|-------|-------------------|-------|--------------------|-------|--------------------|-------|
| Thickness | | | | | | | | | | | | | | |
| | CONTINUOUS | CONTINUOUS | PULSE | PULSE | CONTINUOUS | PULSE | CONTINUOUS | PULSE | CONTINUOUS | PULSE | CONTINUOUS | PULSE | CONTINUOUS | PULSE |
| 0,6+0,6 | 380 | 380 | 150 | | 230 | 100 | 330 | 150 | 720 | 300 | 2400 | 1300 | 1050 | 800 |
| 0,8+0,8 | 280 | 280 | 115 | | 215 | 80 | 300 | 120 | 650 | 260 | 1800 | 1030 | 815 | 650 |
| 1+1 | 200 | 200 | 90 | | 200 | 65 | 270 | 90 | 550 | 230 | 1500 | 900 | 550 | 480 |
| 1,2+12 | - | 130 | 65 | | 165 | 50 | 250 | 70 | 430 | 210 | 1200 | 760 | 500 | 430 |
| 1,5+1,5 | - | 75 | 50 | | 100 | 43 | 150 | 60 | 270 | 180 | 1050 | 550 | 320 | 290 |
| 2+2 | - | 42 | 35 | | - | - | 55 | 30 | 100 | 90 | 720 | 480 | 225 | 180 |
| 2,5+2,5 | - | - | - | | - | - | 30 | 25 | 60 | 50 | 480 | 380 | 130 | 100 |
| 3+3 | - | - | - | | - | - | 25 | 25 | 50 | 50 | 360 | 280 | 95 | 80 |

**Revolutionary!
Rivoluzionario!**

NEW

**ADVISED
BY**



**QUICK & EASY
SMART
AUTOMATIC**

version: **CLASSIC**

OPTIONAL

| | | | | | |
|--------|--------------------|--------|------------------------------------|-----------------|-----------------------------|
| | SUCTION CUP | | REMOTE CONTROL mod. TWISTER | | FIBERGLASS BANDS KIT |
| 803002 | 801406 | 981147 | | 10 pcs 25x50mm | 981161 |
| | | | | 10 pcs 50x150mm | 981160 |

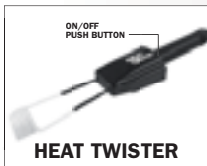


STANDARD ACCESSORIES:

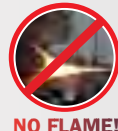
| TECHNICAL CHARACTERISTICS | CODE | V _{ph} V (50-60Hz) | HEAT TWISTER | SUPER REMOVER | PAD INDUCTOR | LEVERS (3X) | REMOTE CONTROL | GLASS GENIUS | WONDER PEN II | METAL RELEASER | P _{MAX} | F _{OUT} | P _{OUT MAX} | IP | W _H mm | L _L kg |
|-----------------------------|--------|--------------------------------|--------------|---------------|--------------|-------------|----------------|--------------|---------------|----------------|------------------|------------------|----------------------|------|----------------------|----------------------|
| | | | 801412 | 801400 | 801420 | 321031 | 981147 | 801403 | 801404 | 801401 | kW | kHz | kW | | | |
| Smart Inductor 5000 TWISTER | 835012 | 200-240 1 ph | ✓ | | | | | | | | 2,4 | 35-100 | 2,3 | IP21 | 390 260 230 | 7,1 10,3 13,8 |
| Smart Inductor 5000 CLASSIC | 865011 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | |
| Smart Inductor 5000 DELUXE | 865012 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |

REMOVES BOLTS

Removes stuck or rusted parts.



Rimuove i pezzi bloccati o arrugginiti.



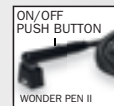
NO FLAME!



METAL RELEASER

- > Bolts, Screws
- > Bearings, Fasteners
- > Tie-rods, Hinges
- > Nuts, Gears
- > Bulloni, Viti
- > Cuscinetti, Ganci
- > Tiranti, Cardini
- > Dadi, Ingranaggi

REMOVES HAIL DENTS



Removes hail dent without repainting (optional accessory).

Ripara ammaccature da grandine senza sverniciare (accessorio optional).

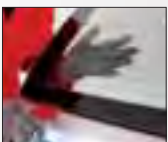


cod. 802421 - Extention



REMOVES WINDOWS

Removes parts in few minutes without preparation time and work.



SUPER REMOVER



GLASS GENIUS

Rimuove le parti in pochi minuti senza lavori e tempi di preparazione.

- > Windshields
- > Rear windows
- > Side windows
- > Parabrezza
- > Vetri posteriori
- > Finestrini laterali

REMOVES PROTECTIONS

Removes in a few seconds films and trims.

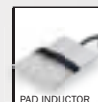
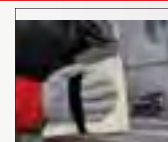


Rimuove in pochi secondi protezioni e rivestimenti esterni.

- > Anti-gravel protection
- > Protective films
- > Exterior trims
- > Rivestimenti anti-ghiaia
- > Pellicole protettive
- > Rivestimenti esterni

REMOVES BONDED PART

Detaches any bonded part and graphics quickly.



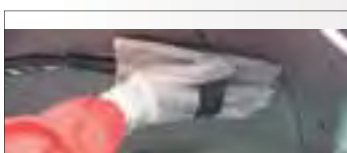
PAD INDUCTOR

Stacca velocemente parti incollate e ogni tipo di adesivo.

- > Mouldings
- > Side plastic parts
- > Stickers, Stripes
- > Modanature
- > Plastiche laterali
- > Adesivi, Grafica

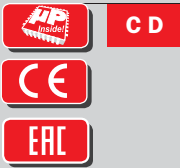
...AND MUCH MORE...

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



ALUMINIUM DENT PULLER

115 V - 230 V
AUTOMATIC



A Alucar 5100

B Aluspotter 6100

STEEL DENT PULLER



C Digital Puller 5500

D Digital Car Spotter 5500

OPTIONAL

MANUAL "C" GUN



801041 **D**

MANUAL "X" GUN



801043 **D**

TROLLEY



803002 **CD**

TROLLEY AMERICA



803074 **CD**

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

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

| TECHNICAL CHARACTERISTICS | | CODE | V _{ph} | A _{MAX} | P _{MAX} 50% | V ₀ | C | E _s T _s | # | ∅ | ∅ | ∅ | A _{OUT} | DUTY CYCLE | IP | W _L H _L L _L | kg |
|---------------------------|--|--------|-----------------|------------------|----------------------|----------------|----|-------------------------------|-------------|-----------|-----|---------|------------------|------------|------|--|------|
| | | | V (50-60Hz) | A | kW | V | A | μF | J/ms | studs/min | mm | mm | cos φ | A | % | mm (LxWxH) | kg |
| A | Alucar 5100 | 828069 | 230 1 ph | - | 0,25 - | 12 | - | 19500 | 390 1÷3 | 7 | 3÷4 | - | 0,6 | - | IP22 | 450x150x270 | 11,7 |
| B | Aluspotter 6100 | 823049 | 115-230 1 ph | - | 0,9 - | 12 | - | 66000 | 1500 1÷3 | 20 | 3÷8 | - | 0,8 | - | IP23 | 430x170x290 | 15,5 |
| C | Digital Puller 5500 (400V) | 828119 | 400 2 ph | 3800 | 10,5 1,8 | 5,6 | 10 | - | - | - | - | - | 0,8 | 1,5 | IP22 | 390X260X225 | 21 |
| | Digital Puller 5500 (230V) | 828118 | 230 1 ph | | 11 1,8 | 6 | 16 | - | - | - | - | - | - | 0,7 | | | |
| D | Digital Car Spotter 5500 (400V) | 823232 | 400 2 ph | 4200 | 11 2 | 6 | 16 | - | - | - | - | 1,5+1,5 | 0,7 | 3000 | IP22 | 390x260x225 | 25 |
| | Digital Car Spotter 5500 (230V) | 823219 | 230 1 ph | | 11 2,8 | 5,4 | - | - | - | - | - | - | - | - | | | |

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

PULLING BAR

cod. 802433



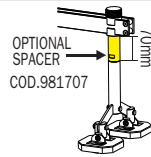
STANDARD BAR

0.9m

OPTIONAL BAR

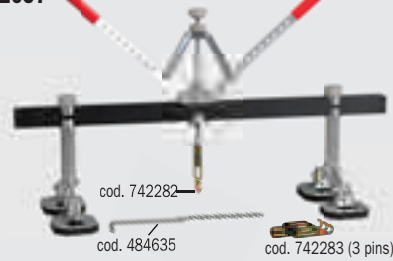
1.5m

COD.802815



TRACTION BAR

cod. 802657



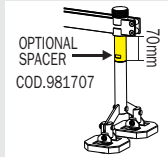
STANDARD BAR

0.9m

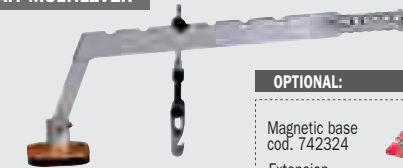
OPTIONAL BAR

1.5m

COD.802815



KIT MULTILEVER



OPTIONAL:

Magnetic base

cod. 742324

Extension

cod. 742317

MULTIHOOKS • MULTIGANCIO



POINTING MASS • MASSA A PUNTARE

cod. 802462



POSITIONER FOR UNDULATED WIRE

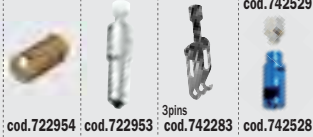


EXTRACTORS • ESTRATTORI • EXTRACTEURS • EXTRACTORES • EXTRAKTÖREN • ЩИПЦЫ

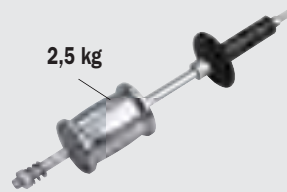
cod. 722952



OPTIONAL:



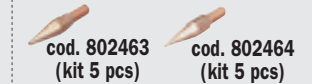
KIT MAXI EXTRACTOR
cod. 802451



KIT RAPID SPOT
cod. 802461



OPTIONAL:



DENT PULLER CONSUMABLES



ALUSPOTTER BOX

cod. 143651



ALUREPAIR
M5-M6 BOX

cod. 802839



DENT PULLING
CONSUMABLES
KIT cod. 802838



DENT PULLING BOX

cod. 802690



STUDDER READY
BOX

cod. 143722



STUDDER BOX

cod. 143593

PULL SYSTEM



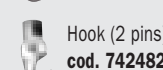
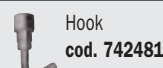
OPTIONAL



COMPACT PULLER



COMPLETE WITH HOOKS



GLUE PULLER KIT



Complete solution for steel and aluminium

COMBO STEEL

cod. 802850



GENERATOR NOT INCLUDED!



PULLER STATION TROLLEY



cod. 803095

KIT 6 HOOKS



cod. 803507

COMBO ALU & STEEL DELUXE

cod. 802851



GENERATORS NOT INCLUDED!

STANDARD ACCESSORIES



KIT MULTILEVER

cod. 802442



PULL SYSTEM

cod. 802443



PULLING BAR

cod. 802433



DENT PULLING BOX

cod. 802690

STANDARD ACCESSORIES



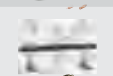
KIT MULTILEVER

cod. 802442



PULL SYSTEM

cod. 802443



TRACTION BAR

cod. 802657



COMPACT PULLER

cod. 802599



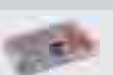
KIT RAPID SPOT

cod. 802461



MULTIHOOKS

cod. 802691 (8 PINS)
cod. 802692 (6 PINS)



DENT PULLING BOX

cod. 802690

STEEL STARTER STATION

cod. 802854



OPTIONAL GENERATORS



Digital Puller 5500
Digital Car Spotter 5500

INCLUDED:
803074 TROLLEY AMERICA
802690 DENT PULLING BOX
802433 PULLING BAR

GENERATORS NOT INCLUDED!

ALU STARTER STATION

cod. 802853



OPTIONAL GENERATORS



Alucar 5100
Aluspotter 6100

INCLUDED:
803074 TROLLEY AMERICA
802599 COMPACT PULLER

GENERATORS NOT INCLUDED!

Inverter Spot Welding



Innovative Technology & Great Performance

Inverspotter Range: Telwin Approved Solution for High Strength Steel

EN The Inverspotter 12000, 13000, 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 12000, 13000, 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 12000, 13000, 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 invertisseur et les solutions conceptuelles novatrices appliquées garantissent une grande qualité et fiabilité des interventions.

ES Inverspotter 12000, 13000, 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.

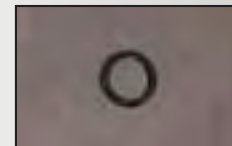
DE Inverspotter 12000, 13000, 13500 und 14000 (Smart/Aqua) sind die Antwort von Telwin auf die Nachfrage, die sich auf die Bearbeitung neuer Werkstoffe wie Borstahl oder hochfester Stähle HSS, UHSS richtet. Die Qualität ist durch die prestigeträchtige Zulassung von Automobilherstellern verbürgt. Die Invertertechnik und die zur Anwendung kommenden innovativen Konstruktionslösungen bürgen jederzeit für ausgezeichnete Qualität und Zuverlässigkeit im Betrieb.

RU Инверспоттер 12000, 13000, 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.

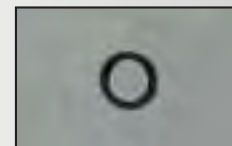
Types of spots



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



inverter



← BE SAFE!



**HSS
READY**
**PULSE
GALVANISED**



A Inverspotter 12000



**HSS
READY**



B Inverspotter 13000



C Digital Spotter 7000



D-E Digital Spotter 9000 (AQUA)



DIGITAL SPOTTER 9000 AQUA WITH OPTIONAL POLE AND BALANCER

OPTIONAL

| | | | | | | |
|--|---|--|---|--|---|--|
| <p>KIT STUDDER 802832 CDE KIT STUDDER TOUCH 802833 CDE</p> | <p>KIT STUDDER 802604 A</p> | <p>MANUAL "C" GUN 801041 ACDE MANUAL "X" GUN 801043 ACDE</p> | <p>LOAD BALANCER AND POLE KIT 802811 DE</p> | <p>DOUBLE SPOT GUN AIR COOLED 801052 ADE SUPPORT RING KIT 802482 A</p> | <p>WELDING GUNS FOR AUTOMOTIVE 802627 802586</p> | <p>ARMS & ELECTRODES Pag. 72-73</p> |
|--|---|--|---|--|---|--|

| TECHNICAL CHARACTERISTICS | CODE | V _{ph} ≡ | A _{OUT} | V _o | P _{MAX} | P _{50%} | ≡ | φ | ≡ | ≡ | % F | IP | ≡ _{WxHxL} | ≡ _{kg} |
|--|--------|-------------------|------------------|----------------|------------------|------------------|----|-------|---------|-----|-----------|------|--------------------|-----------------|
| | | V (50-60Hz) | A | V | kW | kW | A | cos φ | mm | daN | %/Hz | | mm (LxWxH) | kg |
| A Inverspotter 12000 | 823075 | 400 3 ph | 11000 | 14 | 75 | 25 | - | 0,8 | 3+3 | 450 | 5 2000 | IP22 | 1050x630x1050 | 170 |
| B Inverspotter 13000 | 823076 | 400 3 ph | 8000 | 7 | 30 | 5,8 | 16 | 0,8 | 3+3 | 200 | 2 4000 | IP20 | 520x380x885 | 41 |
| C Digital Spotter 7000 | 823198 | 400 2 ph | 4500 | 8,6 | 27,3 | 6,7 | - | 0,7 | 1,5+1,5 | - | 3 - | IP22 | 520x380x885 | 50 |
| D Digital Spotter 9000 | 823195 | 400 2 ph | 7000 | 10 | 47 | 8 | - | 0,8 | 3+3 | - | 3 - | IP22 | 790x450x900 | 78 |
| E Digital Spotter 9000 AQUA (*) | 823196 | | | | | 11 | | | | | 5 - | | | 95 |

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


F Inverspotter 13500 Smart

**HSS
READY**
**PULSE
GALVANISED**
**16A
FUSE**

INCLUDED

CAPS EXTRACTOR



712331

NO ADJUSTMENTS, FULL AUTOMATIC!

G Inverspotter 13500 Smart AQUA

**COMPLETE WITH OPTIONAL:
POLE AND BALANCER,
SUPPORT RING KIT
(823078+802650+802694)**

inverter
NO ADJUSTMENTS, FULL AUTOMATIC!

H Inverspotter 14000 AQUA

**APPROVED
by**

**HSS
READY**
**PULSE
GALVANISED**

INCLUDED

CAPS EXTRACTOR



712331

**APPROVED
by**

Mercedes Benz


I Inverspotter 14000 Smart AQUA

**COMPLETE WITH OPTIONAL:
POLE AND BALANCER,
360 RING KIT
(823093+802650+802866)**

OPTIONAL

| KIT STUDDER | "X" GUN | WELDING GUNS FOR AUTOMOTIVE | 360 RING KIT | LOAD BALANCER AND POLE KIT | CAPS MAINTENANCE KIT | ARMS & ELECTRODES |
|--------------------|--------------------|-----------------------------|--------------------|----------------------------|----------------------|-------------------|
| 802699 FGHI | 801063 FGHI | 802627 | 802866 FGHI | 802650 FGHI | 802768 FG | |
| | | 802586 | 802694 FGHI | | 802767 FGHI | Pag. 72+73 |

| | TECHNICAL CHARACTERISTICS | CODE | V_{ph} | A_{OUT} | V_o | P_{MAX} | $P_{50\%}$ | I | $\cos \varphi$ | ϕ | δ | $\% F$ | IP | W_{LxHxH} | kg |
|----------|---------------------------------------|--------|-------------|-----------|-------|-----------|------------|-----|----------------|--------|----------|-------------|------|--------------|------|
| | | | V (50-60Hz) | A | V | kW | kW | A | mm | daN | %/Hz | mm (LxWxH) | kg | | |
| F | Inverspotter 13500 Smart | 823078 | 400 | 12000 | 8,4 | 41 | 4,8 | 16 | 0,9 | 3+3+3 | 400 | 1,2 5000 | IP20 | 790x450x900 | 64 |
| G | Inverspotter 13500 Smart AQUA (*) | 823079 | 400 3 ph | 12000 | 8,4 | 41 | 6,2 | 16 | 0,9 | 3+3+3 | 400 | 2 5000 | IP20 | 790x450x900 | 78 |
| H | Inverspotter 14000 AQUA (*) | 823077 | 400 3 ph | 14000 | 13 | 60 | 9 | - | 0,8 | 3+3+3 | 550 | 2 8000 | IP20 | 800x520x1150 | 100 |
| I | Inverspotter 14000 Smart AQUA (*) (a) | 823093 | 400 3 ph | 15000 | 13 | 68 | 10 | - | 0,8 | 3+3+3 | 580 | 2 8000 | IP20 | 800x520x1150 | 105 |

(a) 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. 823319

MECHANICAL CONTROL



A PTE 18

B PTE 28



C PCP 18

PNEUMATIC CONTROL



D PCP 28



E Modular 20/TI

OPTIONAL

WATER COOLING SYSTEM



G.R.A. 90

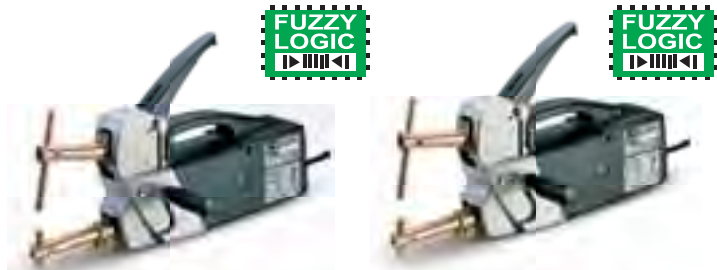
802043

A B C D

ARMS & ELECTRODES



Pag. 72÷73



F Digital Modular 230

G Digital Modular 400

| TECHNICAL CHARACTERISTICS | CODE | V _{ph} | A _{OUT} | V ₀ | P _{MAX} | P _{50%} | I | φ | mm | daN | mm | %/Hz | IP | W _L | kg |
|------------------------------|--------|-----------------|------------------|----------------|------------------|------------------|----|-------|-----|-----|-----|------|------|----------------|------|
| | | V (50-60Hz) | A | V | kVA | kVA | A | cos φ | mm | daN | mm | %/Hz | | mm (LxWxH) | kg |
| A PTE 18 (**) | 824039 | 400 2 ph | 9700 | 2,6 | 22 kVA | 15 kVA | - | 0,7 | 3+3 | 150 | 330 | 15 | IP20 | 790x320x1280 | 115 |
| B PTE 28 (**) | 824041 | 400 2 ph | 16400 | 4,2 | 60 kVA | 25 kVA | - | 0,7 | 5+5 | 220 | 330 | 5,5 | IP20 | 790x320x1280 | 141 |
| C PCP 18 (**) | 824043 | 400 2 ph | 9700 | 2,6 | 22 kVA | 15 kVA | - | 0,7 | 3+3 | 150 | 330 | 15 | IP20 | 790x320x1280 | 120 |
| D PCP 28 (**) | 824045 | 400 2 ph | 16400 | 4,2 | 60 kVA | 25 kVA | - | 0,7 | 5+5 | 220 | 330 | 5,5 | IP20 | 790x320x1280 | 145 |
| E Modular 20/TI | 823015 | 230 1 ph | 3800 | 2 | 6 kW | 1,2 kW | 16 | 0,9 | 1+1 | - | - | 1,5 | IP20 | 440x100x185 | 10 |
| F 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 |
| G 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

Battery Chargers



Choose your Battery Charger

| | | CHARGE 15h | | MAINTENANCE | | START | | 5 min. pre charge + START | | | | | | | |
|----------------|--|------------|-------|-------------|--------|--------|--------|---------------------------|-----|-----|-----|------------|-----------|--------------|--------------|
| | | 20 Ah | 60 Ah | 80 Ah | 100 Ah | 150 Ah | 200 Ah | > 250 Ah | WET | GEL | AGM | START STOP | AUTOMATIC | PULSE TRONIC | PULSE TRONIC |
| | | | | | | | | | | | | | | | |
| Charge | DEFENDER 8 | | | | | | | | • | • | • | • | ✓ | | |
| | AUTOTRONIC 25 BOOST | | | | | | | | • | • | • | • | ✓ | | |
| | T-CHARGE 12 | | | | | | | | • | • | • | • | | ✓ | |
| | T-CHARGE 20 BOOST | | | | | | | | • | • | • | • | | ✓ | |
| | T-CHARGE 26 BOOST | | | | | | | | • | • | • | • | | ✓ | |
| | DOCTOR CHARGE 30, 50 - PULSE 30, 50 | | | | | | | | • | • | • | • | | ✓ | |
| | TOURING - NEVADA | | | | | | | | • | | | | | | |
| | ALPINE 13 - 15 | | | | | | | | • | | | | | | |
| | ALPINE 18 - 20 BOOST | | | | | | | | • | | | | | | |
| | ALPINE 30 - 50 BOOST | | | | | | | | • | | | | | | |
| | NEVABOOST 100 | | | | | | | | • | | | | | | |
| | COMPUTER 48/2 PROF | | | | | | | | • | | | | | | |
| Charge & Start | DIGISTART 340 - DOCTOR CHARGE 130 | | | | | | | | • | • | • | • | | | ✓ |
| | STARTRONIC 330 | | | | | | | | • | • | • | • | | | ✓ |
| | STARTRONIC 530 | | | | | | | | • | • | • | • | | | ✓ |
| | NEVABOOST 140 | | | | | | | | • | | | | | | |
| | BOOST & GO | | | | | | | | • | | | | | | |
| | ALASKA 150 - 200 START | | | | | | | | • | • | • | • | ✓ | | |
| | LEADER 150 START | | | | | | | | • | | | | | | |
| | LEADER 220 START | | | | | | | | • | | | | | | |
| | LEADER 400 START - SPRINTER 3000 START - DYNAMIC 320 START | | | | | | | | • | | | | | | |
| | SPRINTER 4000 - 6000 START - DYNAMIC 420 - 520 - 620 START | | | | | | | | • | | | | | | |
| | ENERGY 650 - 1000 START | | | | | | | | • | | | | | | |
| | ENERGY 1500 START | | | | | | | | • | | | | | | |
| Start | DRIVE MINI | | | | | | | | | | | | | | |
| | DRIVE 9000 - 13000 - FLASH START 700 | | | | | | | | | | | | | | |
| | SPEED START 1212 | | | | | | | | | | | | | | |
| | PRO START 1712 | | | | | | | | | | | | | | |
| | PRO START 2012 | | | | | | | | | | | | | | |
| | PRO START 2824 - STARTZILLA 3024 | | | | | | | | | | | | | | |
| | START PLUS 4824 | | | | | | | | | | | | | | |
| | START PLUS 6824 | | | | | | | | | | | | | | |

MMA WELDING

MIG-MAG WELDING

TIG WELDING

PLASMA CUTTING

SPOT WELDING

CHARGING & STARTING

INDEX

Types of Batteries

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



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

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

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

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

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

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



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

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

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

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

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

EN AGM 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 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.

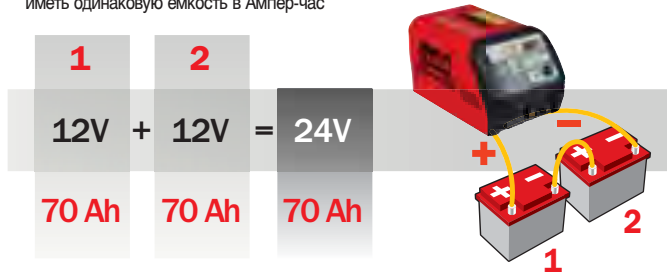
RU Аккумуляторы AGM: Это аккумуляторы со свинцом-кальцием (PbCa) с твердым электролитом. Они полностью герметичные. Эти аккумуляторы не нуждаются в техобслуживании.

Battery Connection

Serial connection - Последовательное Соединение

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

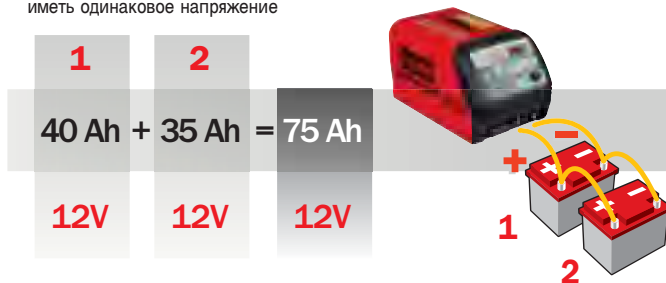
RU Напряжение заряда = Сумма отдельных напряжений • Аккумуляторы должны иметь одинаковую емкость в Ампер-час



Parallel connection - Параллельное Соединение

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



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

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

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

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

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

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



CHARGE

MONITOR

MAINTAIN



Defender 8



Autotronic 25 Boost



Alaska 150 Start



Alaska 200 Start



CHARGE

MONITOR

PULSE MAINTAIN



Pulse



Doctor Charge



T-Charge



Digistart 340 Pulse Tronic



Startronic 330, 530

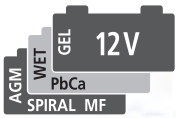


A Defender 8

Tronic



Pulse
Tronic



B T- Charge 12



C T- Charge 12 Lithium Edition



12-24V

D T- Charge 20 Boost



E T- Charge 26 Boost

| TECHNICAL CHARACTERISTICS | | CODE | CHARGE | START | V _{ph} | P | + - | A _{EFF} | A _{EN} | C _{MIN/MAX} | ☀ | W _L L | kg |
|---------------------------|--|--------|--------|-------|-----------------|-----|-------|--------------------|--------------------|----------------------|----|------------------|-----|
| | | | | | V (50-60Hz) | W | V | A | A | Ah 15h | N° | mm (LxWxH) | kg |
| A | Defender 8 | 807553 | x | - | 100-240 1 ph | 15 | 6-12 | 0,75 | 0,75 | 2/20 | - | 50x80x30 | 0,2 |
| B | T-charge 12 | 807560 | x | - | 230 1 ph | 55 | 12 | 4 | 4 | 2/70 | 3 | 170x65x35 | 0,6 |
| C | T-charge 12 Lithium Edition | 807564 | x | - | 230 1 ph | 55 | 12 | 4 | 4 | 2/70 | 3 | 170x65x35 | 0,6 |
| D | T-charge 20 Boost | 807563 | x | boost | 230 1 ph | 110 | 12-24 | 8 (12V) 4 (24V) | 8 (12V) 4 (24V) | 5/180 | 3 | 300x95x55 | 1,3 |
| E | T-charge 26 Boost | 807562 | x | boost | 230 1 ph | 220 | 12 | 16 | 16 | 10/250 | 3 | 300x95x55 | 1,4 |



Doctor⁺charge
Pulse⁺

+50%
performance

TRADITIONAL BATTERY CHARGER

Power Stream Technology Traditional Technology

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

AUTOMATIC

Pulse⁺

Pulse⁺ Tronic



A Pulse 30

B Pulse 50

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



THE BATTERY MANAGER

Doctor⁺charge

Pulse⁺ Tronic



C Doctor Charge 30

D Doctor Charge 50

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

OPTIONAL

| | |
|------------------------|---------------------|
| CHARGING CABLES | WALL SUPPORT |
| | |
| 6m □ 802793 | □ 803066 |
| 10m □ 802794 | □ 803066 |
| CD | ABCD |

ELECTRONIC CONTROL OF CHARGING CURRENT

| TECHNICAL CHARACTERISTICS | CODE | CHARGE | START | V _{ph} | P | V | A _{EFF} | A _{EN} | A _{1V/C} | C _{MIN/MAX} | W _{LxH} | kg |
|---------------------------|--------|--------|-------|-----------------|-----|---------|------------------|-----------------|-------------------|----------------------|------------------|-----|
| | | | | V (50-60Hz) | W | V | A | A | A | Ah 15h | mm (LxWxH) | kg |
| A Pulse 30 | 807587 | x | - | 230 - 1 ph | 350 | 6-12-24 | 25-25-12 | 25-25-12 | - | 5/400 | 330x100x160 | 3,3 |
| B Pulse 50 | 807588 | x | x | 230 - 1 ph | 600 | 6-12-24 | 45-45-23 | 40-40-20 | 70 | 10/600 | 330x100x160 | 3,5 |
| C Doctor Charge 30 | 807585 | x | - | 230 - 1 ph | 350 | 6-12-24 | 25-25-12 | 25-25-12 | - | 5/400 | 330x100x160 | 3,7 |
| D Doctor Charge 50 | 807586 | x | x | 230 - 1 ph | 600 | 6-12-24 | 45-45-23 | 40-40-20 | 70 | 10/600 | 330x100x160 | 3,8 |

THE BATTERY MANAGER

NEW



E Doctor Charge 130

Doctor
charge
Pulse
Tronic
PFC
POWER FACTOR
CORRECTION

| | | | | |
|-----------|----------------------|--------------|--------------|---------|
| | | | | |
| 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 | | | | |
| | | | | |
| MEMORY | FULL SAFE | ENERGY SAVER | MIN VOLTAGE | |

OPTIONAL

CHARGING CABLES



6m □ 802945
10m □ 802946

| TECHNICAL CHARACTERISTICS | CODE | CHARGE | START | V _{ph} | P _{c/s} | V | A _{2min} | A _{EFF} | A _{2min} | A _{EN} | A _{1 V/C} | C _{MIN/MAX} | W _L | kg |
|----------------------------|--------|--------|-------|-----------------|------------------|-------|-------------------|------------------|-------------------|-----------------|--------------------|----------------------|----------------|----|
| | | | | V (50-60Hz) | kW | V | A | A | A | A | A | Ah 15h | mm (LxWxH) | kg |
| E Doctor Charge 130 | 807590 | x | x | 230 - 1 ph | 1,1/2,3 | 12-24 | 140-80 | 80-40 | 130-75 | 70-35 | 150 | 10/1550 | 200x260x340 | 6 |

ELECTRONIC CONTROL OF CHARGING CURRENT



F Startronic 330

G Startronic 530

OPTIONAL

| | | |
|------------------------|--|--------------------|
| FUSE KIT 10 PCS | FUSE KIT 20 PCS | TROLLEY |
| | | |
| □ 802257 H | □ 802258 I □ 802259 JF □ 802029 G | □ 803002 FG |



H Autotronic 25 Boost

I Computer 48/2 PROF

J Digistart 340 Pulse Tronic

| TECHNICAL CHARACTERISTICS | CODE | CHARGE | START | V _{ph} | A _{MIN} | P | P _{c/s} | V | A _{EFF} | A _{EN} | A _{START MAX} | A _{1 V/C} | C _{MIN/MAX} | N° | W _L | kg |
|-------------------------------------|--------|--------|-------|-----------------|------------------|------|------------------|------------------|----------------------|---------------------|------------------------|--------------------|------------------------------|----|----------------|------|
| | | | | V (50-60Hz) | A | W | kW | V | A | A | A | A | Ah 15h | | mm (LxWxH) | kg |
| F 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 |
| G 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 |
| H Autotronic 25 Boost | 807540 | x | boost | 230 1 ph | - | - | 0,3/- | 12-24 | 18 (12V) 12 (24V) | 12 (12V) 8 (24V) | - | - | 30/225 (12V) 20/180 (24V) | 4 | 225x290x205 | 7,2 |
| I 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 |
| J Digistart 340 Pulse Tronic | 829327 | x | x | 230 1 ph | 1÷30 | - | 1/6,4 | 12-24 | 45 | 30 | 300 | 180 | 10/450 | - | 305x360x630 | 13,8 |

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

NEW



A Touring 11



B Touring 15



C Touring 18



D Alaska 150 Start

Tronic
START



E Alaska 200 Start

OPTIONAL

FUSE KIT 10 PCS



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

FUSE KIT 20 PCS



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



F Sprinter 3000 Start

NEW
START



G Sprinter 4000 Start

NEW
START



H Sprinter 6000 Start

NEW
START

| TECHNICAL CHARACTERISTICS | CODE | CHARGE | START | V _{ph} | P | P _{c/s} | + - | A _{EFF} | A _{EN} | A _{START MAX} | A _{1V/C} | C _{MIN/MAX} | N° | mm (LxWxH) | kg |
|------------------------------|--------|--------|-------|-----------------|-----|------------------|-------|----------------------|---------------------|------------------------|-------------------|------------------------------|----|-------------|-----|
| | | | | V (50-60Hz) | W | kW | V | A | A | A | A | Ah 15h | | | |
| A Touring 11 | 807554 | x | - | 230 1 ph | 60 | - | 6-12 | 2 (6V) 4,5 (24V) | 1,5 (6V) 3 (12V) | - | - | 15/30 (6V) 30/55 (12V) | - | 100x190x190 | 2 |
| B Touring 15 | 807555 | x | - | 230 1 ph | 100 | - | 12-24 | 9 (12V) 4,5 (24V) | 6 (12V) 3 (24V) | - | - | 50/115 (12V) 30/55 (24V) | - | 100x190x190 | 2,6 |
| C Touring 18 | 807556 | x | - | 230 1 ph | 230 | - | 12-24 | 13 (12V) 8 (24V) | 9 (12V) 6 (24V) | - | - | 60/180 (12V) 50/115 (24V) | - | 100x190x190 | 2,9 |
| D Alaska 150 Start | 807576 | x | x | 230 1 ph | - | 0,22/- | 12 | 15 | 12 | 50/100 | - | 10/200 | 2 | 245x195x130 | 5,9 |
| E 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 |
| F Sprinter 3000 Start | 829390 | x | x | 230 1 ph | - | 1/6,4 | 12-24 | 45 | 30 | 300 | 180 | 20/700 | 3 | 320x380x780 | 13 |
| G Sprinter 4000 Start | 829391 | x | x | 230 1 ph | - | 1,6/10 | 12-24 | 75 | 50 | 400 | 300 | 20/1000 | 4 | 320x380x780 | 16 |
| H Sprinter 6000 Start | 829392 | x | x | 230 1 ph | - | 2/10 | 12-24 | 90 | 70 | 570 | 360 | 20/1550 | 4 | 320x380x780 | 22 |



I Nevada 10



J Nevada 11



K Nevada 14



L Nevada 15

OPTIONAL

FUSE KIT 10 PCS



- 802265 **I J M**
- 802255 **LN**
- 802256 **K O Q**
- 802257 **P**

FUSE KIT 20 PCS



- 802259 **R**



M Alpine 13



N Alpine 15



O Alpine 18 Boost



P Alpine 20 Boost



Q Alpine 30 Boost



R Alpine 50 Boost

| TECHNICAL CHARACTERISTICS | CODE | CHARGE | START | V _{ph} | P | P _{c/s} | + - | A _{EFF} | A _{EN} | C _{MIN/MAX} | ☀ | W _L | kg |
|---------------------------|--------|--------|-------|-----------------|-----|------------------|-------|----------------------|---------------------|------------------------------|----|----------------|-----|
| | | | | V (50-60Hz) | W | kW | V | A | A | Ah 15h | N° | mm (LxWxH) | kg |
| I Nevada 10 | 807022 | x | - | 230 1 ph | 50 | | 12 | 4 | 2,5 | 25/40 | - | 95x190x180 | 1,7 |
| J Nevada 11 | 807023 | x | - | 230 1 ph | 50 | | 6-12 | 4 | 2,5 | 25/40 | - | 95x190x180 | 1,7 |
| K Nevada 14 | 807025 | x | - | 230 1 ph | 110 | | 12 | 9 | 6 | 60/115 | - | 95x190x180 | 2,6 |
| L 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 |
| M Alpine 13 | 807542 | x | - | 230 1 ph | | 0,08/- | 12 | 6 | 4 | 40/70 | - | 170x250x165 | 2,7 |
| N Alpine 15 | 807544 | x | - | 230 1 ph | | 0,11/- | 12-24 | 9 (12V) 4,5 (24V) | 6 (12V) 3 (24V) | 60/115 (12V) 30/40 (24V) | - | 170x250x165 | 3,4 |
| O Alpine 18 Boost | 807545 | x | boost | 230 1 ph | | 0,2/- | 12-24 | 14 (12V) 8 (24V) | 9 (12V) 5 (24V) | 14/185 (12V) 6/90 (24V) | 2 | 170x250x165 | 3,5 |
| P Alpine 20 Boost | 807546 | x | boost | 230 1 ph | | 0,3/- | 12-24 | 18 (12V) 12 (24V) | 12 (12V) 8 (24V) | 30/225 (12V) 20/180 (24V) | 2 | 225x290x205 | 7,1 |
| Q Alpine 30 Boost | 807547 | x | boost | 230 1 ph | | 0,8/- | 12-24 | 30 | 20 | 15/400 | 3 | 225x290x205 | 8,6 |
| R Alpine 50 Boost | 807548 | x | boost | 230 1 ph | | 1/- | 12-24 | 45 | 30 | 20/500 | 4 | 265x345x230 | 9,9 |



A Nevabost 100

B Nevabost 140

OPTIONAL

FUSE KIT 10 PCS



- 802256 **A**
- 802114 **B**

FUSE KIT 20 PCS



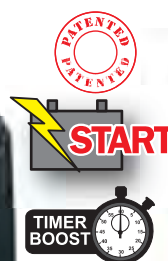
- 802258 **CD**
- 802259 **EF**
- 802260 **GH**
- 802029 **I**



C Leader 150 Start

D Leader 220 Start

E Leader 400 Start



F Dynamic 320 Start

G Dynamic 420 Start

H Dynamic 520 Start

I Dynamic 620 Start

| TECHNICAL CHARACTERISTICS | CODE | CHARGE | START | V _{ph} | P _{c/s} | + - | A _{EFF} | A _{EN} | A _{START MAX} | A _{1/W/C} | C _{MIN/MAX} | ☀ | W _L H _L | kg |
|----------------------------|--------|--------|----------|-----------------|------------------|-------|------------------|-----------------|------------------------|------------------------|----------------------|----|-------------------------------|------|
| | | | | V (50-60Hz) | KW | V | A | A | A | A | Ah 15h | N° | mm (LxWxH) | kg |
| A Nevabost 100 | 807028 | x | boost | 230 1 ph | 0,17/- | 12 | 9 14(BOOST) | 5,5 9(BOOST) | - | - | 55/180 | 2 | 95x190x180 | 2,6 |
| B Nevabost 140 | 807541 | x | boost&go | 230 1 ph | 0,23/- | 12 | 20 | 13 | - | 50-100cc (BOOST&GO) | 10/200 | 2 | 170x250x165 | 5,2 |
| C Leader 150 Start | 807538 | x | x | 230 1 ph | 0,3/1,4 | 12 | 20 | 14 | 140 | 80 | 25/250 | 2 | 225x290x205 | 6,4 |
| D Leader 220 Start | 807539 | x | x | 230 1 ph | 0,8/3,6 | 12-24 | 30 | 20 | 180 | 120 | 30/400 | 2 | 225x290x205 | 9 |
| E Leader 400 Start | 807551 | x | x | 230 1 ph | 1/6,4 | 12-24 | 45 | 30 | 300 | 180 | 20/700 | 3 | 265x345x230 | 10,9 |
| F Dynamic 320 Start | 829381 | x | x | 230 1 ph | 1/6,4 | 12-24 | 45 | 30 | 300 | 180 | 20/700 | 3 | 305x360x630 | 13,4 |
| G Dynamic 420 Start | 829382 | x | x | 230 1 ph | 1,6/10 | 12-24 | 75 | 50 | 400 | 300 | 20/1000 | 4 | 305x360x630 | 16,4 |
| H Dynamic 520 Start | 829383 | x | x | 230 1 ph | 1,6/10 | 12-24 | 75 | 50 | 400 | 300 | 20/1000 | 4 | 365x460x755 | 20 |
| I Dynamic 620 Start | 829384 | x | x | 230 1 ph | 2/10 | 12-24 | 90 | 70 | 570 | 360 | 20/1550 | 4 | 365x460x755 | 24 |



J Energy 650 Start

K Energy 1000 Start

L Energy 1500 Start

OPTIONAL

FUSE KIT 10 PCS



| | |
|--------|-----|
| 802129 | K L |
| 802131 | J |

| TECHNICAL CHARACTERISTICS | 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 L | kg |
|----------------------------|--------|--------|-------|---------------------|------------------|-------|------------------------|------------------------|--------------------------|--------------------------|--------------------------------|----|------------------|----|
| | | | | V (50-60Hz) 3 ph | kW | V | A | A | A | A | Ah 15h | N° | mm (LxWxH) | kg |
| J 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 |
| K 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 |
| L 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 |



NEW



SMART CABLES
✓ SPARK PROOF
✓ LED INDICATORS

M Drive Mini

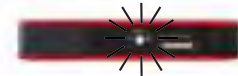
JUMP STARTER: 12V



POWER BANK: USB



LED LIGHT



| TECHNICAL CHARACTERISTICS | CODE | C | V _{START} | A _{START MAX} | A _{OUT} | usb | A _{OUT} | W _H L | kg |
|---------------------------|--------|------|--------------------|------------------------|------------------|-----|------------------|------------------|-----|
| | | mAh | V | A | A | | A | mm (LxWxH) | kg |
| M Drive Mini | 829562 | 6500 | 12 | 500 | 300 | 1 | 2,1 | 135x78x15 | 0,4 |

MAXIMUM POWER

LITHIUM MULTI-FUNCTION JUMP STARTERS



12V

A Drive 9000

OBD II MEMORY SAVER CABLE



cod. 802935



JUMP START OBD II CABLE VEHICLE'S PORT



JUMP STARTER



POWER LED LIGHTS



POWER BANK



POWER BANK



12V

B Drive 13000

Included



- case
- mobile devices multi-adaptor
- jump starter cables
- plug for cigar-lighter
- charge power supply
- multi-plug adaptors



| TECHNICAL CHARACTERISTICS | CODE | V_{ph} | C | V_{START} | $A_{START MAX}$ | A_{OUT} | A_{OUT} | V_{OUT} | A_{OUT} | V_{OUT} | A_{OUT} | V_{OUT} | A_{OUT} | V_{OUT} | A_{OUT} | $W \times H \times L$ | kg |
|---------------------------|--------|-----------------|----------|-------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------------------|------|
| | | V (50-60Hz) | mAh | V | A | A | A | V | A | V | A | V | A | mm (LxWxH) | kg | | |
| A Drive 9000 | 829565 | 100-240 1 ph | 9000 | 12 | 600 | 350 | 2 | 1/2,1 | 12 | 10 | 19 | 3,5 | - | - | 175x75x30 | 0,9 | |
| B Drive 13000 | 829566 | 100-240 1 ph | 12000 | 12 | 800 | 450 | 2 | 1/2,1 | 12 | 10 | 19 | 3,5 | - | - | 175x75x30 | 0,9 | |



THE S.O.SOLVER

NEW



C Startzilla 3024

ICE START

STARTING GRANTED EVEN AT VERY LOW TEMPERATURES (DOWN TO -20 °C!)

| | | | |
|----------------------|--------------------------|---------------------|------------|
| START | HIGH PERFORMANCE LITHIUM | TEMPERATURE CONTROL | ICE START |
| TEST | VOLT | START | ALTERNATOR |
| SAFETY | FULL SAFE | LONG LIFE | |
| S.O.S. SOS RESOURCES | LIGHTS | POWER BANK | |



OPTIONAL



cod. 802950

- bag
- mobile devices multi-adaptor
- multi-plug adaptors
- plug for cigar-lighter

OBD II: MEMORY SAVER CABLE



cod. 802935

JUMP START

OBD II CABLE

VEHICLE'S PORT

| TECHNICAL CHARACTERISTICS | CODE | V_{ph} | C | V_{START} | $A_{START MAX}$ | A_{OUT} | A_{OUT} | V_{OUT} | A_{OUT} | V_{OUT} | A_{OUT} | V_{OUT} | A_{OUT} | V_{OUT} | A_{OUT} | $W \times H \times L$ | kg |
|---------------------------|--------|---------------------|-------|-------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-----------------------|------|
| | | V (50-60Hz) 1 ph | mAh | V | A | A | A | V | A | V | A | V | A | V | A | mm (LxWxH) | kg |
| C Startzilla 3024 | 829522 | 100-240 1 ph | 30000 | 12-24 | 1500 | 800 | 2 | 2,1 | 12 | 3,5 | 16 | 3,5 | 19 | 3,5 | 280x100x180 | 2,7 | |

NEW

SUPER CAPACITORS TECHNOLOGY



D Flash Start 700

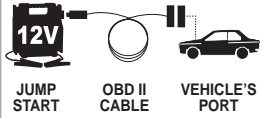


| TECHNICAL CHARACTERISTICS | CODE | V_{ph} | $A_{START MAX}$ | A_{OUT} | C | $W \times H \times L$ | kg |
|---------------------------|--------|----------|-----------------|-----------|-----|-----------------------|------|
| | | V | A | A | F | mm (LxWxH) | kg |
| D Flash Start 700 | 829567 | 12 | 700 | 400 | 100 | 205x125x55 | 1,2 |

**OBD II
MEMORY SAVER CABLE**



cod. 802693



OPTIONAL

QUICK CHARGE



T-CHARGE 12
pag. 53 **BCDE**



NEW

A Speed Start 1212

12-24V



B Pro Start 1712



C Pro Start 2012

NEW



D Pro Start 2824



E Start Plus 4824



F Start Plus 6824

**INCLUDED
QUICK CHARGE**



T-CHARGE 12



| TECHNICAL CHARACTERISTICS | CODE | CHARGE | START | V _{ph} V (50-60Hz) | + - V | A _h Ah | A _{START MAX} A | A _{OUT} A | W _L L _L H _L mm (LxWxH) | kg |
|---------------------------|--------|--------|-------|--------------------------------|----------|----------------------|-----------------------------|--------------------------|--|------|
| A Speed Start 1212 | 829519 | - | x | 230 1 ph | 12 | 17 | 1000 | 300 | 125x290x315 | 5,5 |
| B Pro Start 1712 | 829518 | - | x | 230 1 ph | 12 | 22 | 1400 | 500 | 190x330x285 | 9,4 |
| C Pro Start 2012 | 829520 | - | x | 230 1 ph | 12 | 20 | 2000 | 650 | 190x330x285 | 9,4 |
| D Pro Start 2824 | 829517 | - | x | 230 1 ph | 12-24 | 44 (12V) 22 (24V) | 2500 | 800 | 205x335x360 | 16,1 |
| E Start Plus 4824 | 829570 | - | x | 230 1 ph | 12-24 | 40 (12V) 20 (24V) | 4400 (12V) 2200 (24V) | 1600 (12V) 800 (24V) | 305x360x630 | 30 |
| F Start Plus 6824 | 829571 | - | x | 230 1 ph | 12-24 | 80 (12V) 40 (24V) | 6000 (12V) 3000 (24V) | 2000 (12V) 1000 (24V) | 305x360x630 | 41 |

Solar Trickle Charger

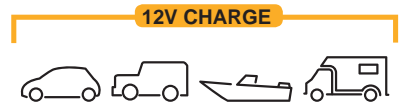
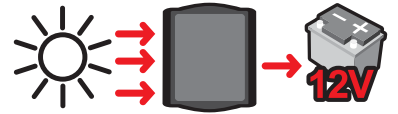
AGM
WET
GEL 12V
PbCa
SPIRAL MF



G Solara 1.5



H Solara 5.0



Included



SOLAR TRICKLE CHARGERS

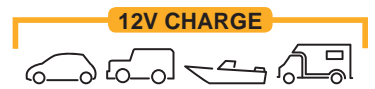
AGM
WET
GEL 12V
PbCa
SPIRAL MF



I Solara Flexo 5.0



J Solara Flexo 10.0



Included



| TECHNICAL CHARACTERISTICS | CODE | $P_{MAX OUT}$ | | A_{OUT} | V_{OUT} | A_{OUT} | W_{LxH} | kg |
|----------------------------|--------|---------------|---|-----------|-----------|-----------|------------|------|
| | | W | | A | V | A | mm (LxWxH) | kg |
| G Solara 1.5 | 807583 | 1,5 | - | - | 12 | 0,1 | 350x125x13 | 0,5 |
| H Solara 5.0 | 807584 | 5 | - | - | 12 | 0,3 | 365x345x15 | 1,4 |
| I Solara Flexo 5.0 | 807581 | 5 | 1 | 0,5 | 12 | 0,3 | 600x185x25 | 0,6 |
| J Solara Flexo 10.0 | 807582 | 10 | 1 | 0,5 | 12 | 0,6 | 725x290x25 | 0,9 |

Power Converter

**INPUT:
12V DC**

**OUTPUT:
230V AC**



K Converter 310 USB



L Converter 500



M Converter 1000

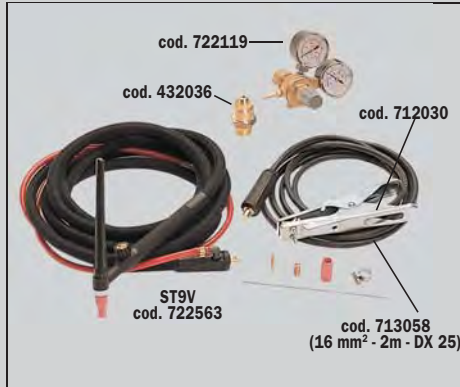
| TECHNICAL CHARACTERISTICS | CODE | CHARGE | START | $P_{MAX OUT}$ | V_{IN} | V_{OUT} | F_{OUT} | $P_{MAX OUT}$ | W_{LxH} | kg |
|----------------------------|--------|--------|-------|---------------|----------|-------------|-----------|---------------|------------|------|
| | | | | W | V | V | Hz | W | mm (LxWxH) | kg |
| K Converter 310 USB | 829444 | - | - | 300 | 12 | 230 1 ph | 50 | 600 | 172x95x54 | 0,8 |
| L Converter 500 | 829446 | - | - | 500 | 12 | 230 1 ph | 50 | 1000 | 232x130x71 | 1,9 |
| M Converter 1000 | 829447 | - | - | 1000 | 12 | 230 1 ph | 50 | 2000 | 337x130x71 | 2,8 |

TIG WELDING KITS

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



cod. 801113
x Tecnica 151/S, Force 170 Tig



cod. 801097
x Tecnica 171/S, 211/S, 188 MPGE, Tecnica 190 Tig, Advance 187, 227 Tig, Superior 245, Motoinverter 174 CE, 204 CE, 254 CE, 264D CE, Technology 186 HD, 216 HD, 236 HD, 238 CE/MPGE



cod. 802415
x Tecnica Tig 160, Technology Tig 182, 185



cod. 802607
x Superior Tig 311, 322, 421, 422



cod. 802637
x Superior Tig 322 AQUA, 421 AQUA, 422 AQUA

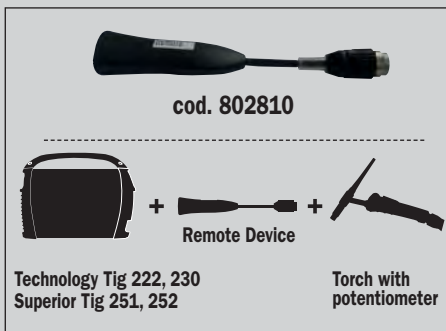


cod. 802788
x Technology Tig 222, 230, Superior Tig 251, 252



cod. 802789
x Superior Tig 252 AQUA

REMOTE DEVICE



Technology Tig 222, 230
Superior Tig 251, 252

TIG TORCH SPARE PARTS



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

1 x ST9V
2 x ST17, ST18A, ST26, ST26V

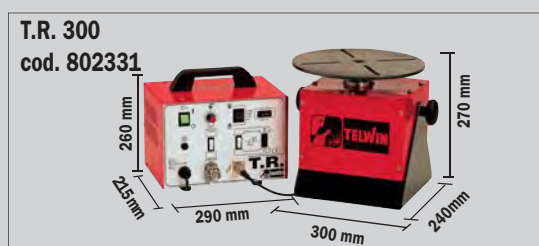
Short cap - Cappuccio corto - Capuchon petit - Capucha cort
Kurze kappe - Хвостовик короткий

3 x ST9V
4 x ST17, ST18A, ST26, ST26V

cod. 722981
cod. 722193
cod. 722982
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°
• PLAQUE Ø 300 MM À INCLINASON À 90°



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

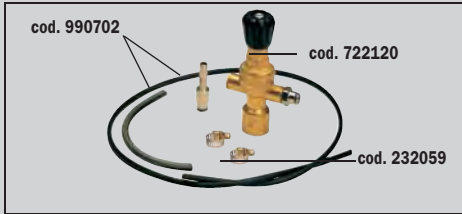
| PRODUCTS | KIT cod. 801113 KIT cod. 801097 | TECNICA TIG 160, TECHNOLOGY TIG 185, 182 SUPERTIG 200 | TECHNOLOGY TIG 222, 230 | TECHNOMIG 225 PULSE, SUP. 400, 320, 630 CE | SUPERIOR TIG 251, 252, 252 AQUA | SUPERIOR TIG 311, 322, 421, 422, INVERPULSE 320, 425, 625, SUPERTIG 280/1 | AQUA VERSION SUPERIOR TIG 322, 421, 422, INVERPULSE 320, 425, 625, SUPERTIG 280/1 |
|--|--|---|---|---|--|--|--|
| | | ACCESSORIES | | | | | |
| Torches - Torce - Torches - Sopletes - Brenner - Горелки | 4m DX25 | ST9V ☐ 742565 (801113) ☐ 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 ☐ 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 | - | - | - | ST18A ☐ 252 AQUA ☐ 742615 Green line ☐ 252 AQUA ☐ 742617 POT* (+ device ☐ 802810) | - | ST18A ☐ 280/1 ☐ 742426 ☐ 322, 421, 422, 320, 425, 625 ☐ 742570 Blue line ☐ 742462 |
| Torches - Torce - Torches - Sopletes - Brenner - Горелки | 8m DX50 | - | ST26 ☐ 742616 Green line ☐ 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 | - | - | - | ST18A Green line ☐ 252 AQUA ☐ 742620 POT* (+ device ☐ 802810) | - | ST18A Blue line ☐ 742497 |
| Grey Cerium Tungsten Electrodes - Elettrodi tungsteno ceriato grigio - Electrodes gris tungstène-cerium - Electrodo tungsteno gris - Graue Zeriumwolfram Elektroden - Вольфрамовые электроды с церием серого цвета DC KIT 10 PCS | ☐ 1 ☐ 802220 ☐ 1,6 ☐ 802222 | ☐ 0,1 ☐ 802220 ☐ 0,6 ☐ 802222 ☐ 0,4 ☐ 802232 ☐ 0,2 ☐ 182 ☐ 802233 | ☐ 0,1 ☐ 802220 ☐ 0,6 ☐ 802222 ☐ 0,4 ☐ 802232 ☐ 0,2 ☐ 802233 | ☐ 0,1 ☐ 802220 ☐ 0,6 ☐ 802222 ☐ 0,4 ☐ 802232 | - | ☐ 0,1 ☐ 802220 ☐ 0,6 ☐ 802222 ☐ 0,4 ☐ 802232 ☐ 0,2 ☐ 802233 | - |
| Green Pure Tungsten Electrodes - Elettrodi tungsteno puro verde - Electrodes verts tungstène pur - Electrodo tungsteno puro verde - Grüne Reinwolframelektroden - Чисто вольфрамовые зеленые электроды AC KIT 10 PCS | - | ☐ 0,1 ☐ 182 ☐ 802234 ☐ 0,6 ☐ 182 ☐ 802235 ☐ 0,4 ☐ 182 ☐ 802236 | ☐ 222 ☐ 0,1 ☐ 802234 ☐ 0,6 ☐ 802235 ☐ 0,4 ☐ 802236 ☐ 0,2 ☐ 802237 ☐ 0,4 ☐ 802238 | - | - | ☐ 252, 280/1, 322, 422 ☐ 0,1 ☐ 802234 ☐ 0,6 ☐ 802235 ☐ 0,4 ☐ 802236 ☐ 0,2 ☐ 802237 ☐ 0,4 ☐ 802238 | - |
| Electrode Diffusers - Diffusori elettrodo - Diffuseurs pour électrode - Difusores para electrodo - Elektrodendifusores - Диффузоры электрода KIT 3 PCS | ☐ 0,1 ☐ 802226 ☐ 0,6 ☐ 802228 | ☐ 0,1 ☐ 802249 ☐ 0,6 ☐ 802250 ☐ 0,4 ☐ 802251 | ☐ 0,1 ☐ 802249 ☐ 0,6 ☐ 802250 ☐ 0,4 ☐ 802251 ☐ 0,2 ☐ 802252 ☐ 0,4 ☐ 802253 | ☐ 0,1 ☐ 802249 ☐ 0,6 ☐ 802250 ☐ 0,4 ☐ 802251 | - | ☐ 0,1 ☐ 802249 ☐ 0,6 ☐ 802250 ☐ 0,4 ☐ 802251 ☐ 0,2 ☐ 802252 ☐ 0,4 ☐ 802253 | - |
| Electrode Holders - Pinze serra elettrodo - Pincas porte-électrode - Pinzas porta electrodo - Elektrodenhalter - Зажимы электрода KIT 3 PCS | ☐ 0,1 ☐ 802223 ☐ 0,6 ☐ 802225 | ☐ 0,1 ☐ 802239 ☐ 0,6 ☐ 802240 ☐ 0,4 ☐ 802241 | ☐ 0,1 ☐ 802239 ☐ 0,6 ☐ 802240 ☐ 0,4 ☐ 802241 ☐ 0,2 ☐ 802242 ☐ 0,4 ☐ 802243 | ☐ 0,1 ☐ 802239 ☐ 0,6 ☐ 802240 ☐ 0,4 ☐ 802241 | - | ☐ 0,1 ☐ 802239 ☐ 0,6 ☐ 802240 ☐ 0,4 ☐ 802241 ☐ 0,2 ☐ 802242 ☐ 0,4 ☐ 802243 | - |
| Ceramic nozzles - Ugelli ceramico - Becs céramique - Inyectores ceramicos - Keramische Düsen - Керамические сопелы KIT 10 PCS | № 4 ☐ 802229 № 5 ☐ 802230 № 6 ☐ 802231 | № 4 ☐ 802244 № 6 ☐ 802245 № 7 ☐ 802246 | № 4 ☐ 802244 № 6 ☐ 802245 № 7 ☐ 802246 № 8 ☐ 802247 | № 4 ☐ 802244 № 6 ☐ 802245 № 7 ☐ 802246 | - | № 4 ☐ 802244 № 6 ☐ 802245 № 7 ☐ 802246 № 8 ☐ 802247 № 10 ☐ 802248 | - |

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

GAS KITS

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

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



cod. 802032

REFILLABLE BOTTLE - BOMBOLA RICARICABILE
- BOUTEILLE RECHARGABLE - TANQUE RECARGABLE
- AUFFÜLLBAREFLASCHE - для подзарядного
ГАЗОВОГО БАЛЛОНА



cod. 802708

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



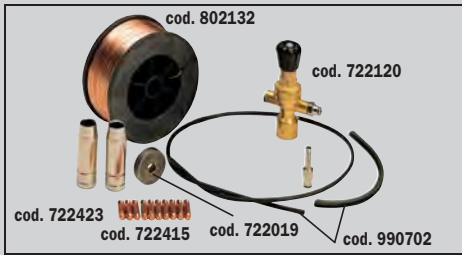
cod. 802067

MIG-MAG WELDING KITS

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

STEEL - ACCIAIO - ACIER - ACERO - STAHL - СТАЛИ

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



cod. 802147
x Bimax 4.135, 4.165, 4.195, 132, 152, 162,
Technomig Dual Synergic

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



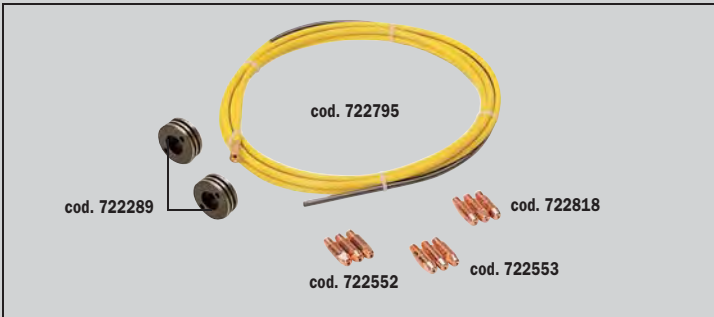
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x Bimax 4.135, 4.165, 4.195, 132, 152, 162,
Technomig Dual Synergic

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



cod. 802037 - Ø 0,8mm
x Bimax 4.135, 4.165, 4.195, 132, 152, 162,
Telmig, Mastermig 220/2, Technomig Synergic,
Electromig 220, Technomig 223 TREO

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



cod. 802466 - Ø 1,0÷1,6mm
x Inverpulse 320 (AQUA), Mastermig 300, 400, 500 (AQUA), Digital Mig 330,
Supermig 380, Superior 400 Mig Pack

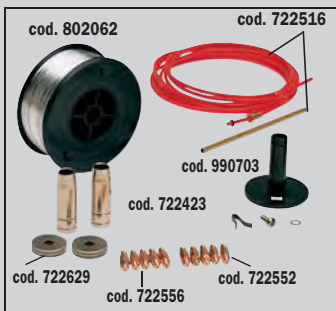


cod. 802276 - Ø 1,0÷2,4mm
x Inverpulse 425 (AQUA), 625 (AQUA), Supermig 480 (AQUA), 580 (AQUA),
Superior 400 Mig Pack AQUA, Superior 630 Mig Pack (AQUA)

ALUMINIUM - ALLUMINIO - ALUMINIUM - ALUMINIO - ALUMINIUM - АЛЮМИНИЙ



cod. 802036 - Ø 0,8mm
x Bimax 4.135, 4.165, 4.195, 132, 152,
162, Telmig 150/1, 170/1, 180/2,
Technomig 150, 180 DS



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



cod. 802817 - Ø 0,8÷1mm
x Technomig 215 DS,
Electromig 220 Synergic,
Electromig 230 WAVE



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



cod. 802663 - Ø 1÷1,2mm
x Electromig 330 Wave

ALUMINIUM - ALLUMINIO - ALUMINIUM - ALUMINIO - ALUMINIUM - АЛЮМИНИЙ



cod. 802766 - Ø 1÷1,2mm
x **Mastermig 220/2, Mastermig 270/2, Technomig 225**



cod. 802273 - Ø 1÷1,6mm
x **Mastermig 300, 400, 500 (AQUA), Digital Mig 330, Supermig 380, 480 (AQUA), Superior 400 Mig Pack**

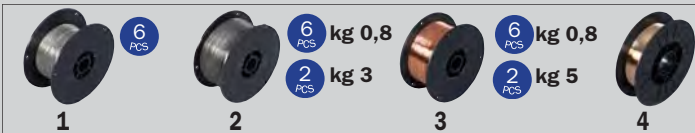


cod. 802409 - Ø 1÷1,6mm
x **Supermig 580 (AQUA), Inverpulse 320 AQUA, Inverpulse 425 (AQUA), 625 (AQUA), Superior 400 Mig Pack AQUA, Superior 630 Mig Pack (AQUA)**



cod. 802596 - Ø 0,8÷1,2mm
x **Inverpulse 320**

WIRE COILS



| 1 | 2 | 3 | 4 |
|---|--|---|---|
| 1 | 2 | 3 | 4 |
| Stainless steel - Acciaio Inox - Acier inox - Acero inox - Inox stahl - Нержавеющая сталь | Flux cored wire - Filo animato - Fil fourré - Hilo de helma - Fülldraht - Порошковая проволока | Steel - Acciaio - Acier - Acero - Stahl - Сталь | |
| Ø 0,8 | Ø 0,8 | Ø 0,6 | |
| kg 0,5 | kg 0,8 | kg 0,8 | |
| kg 1 | kg 3 | kg 5 | |
| cod. 802051 | cod. 802208 | cod. 802132 | |
| cod. 802061 | cod. 802181 | cod. 802395 | |
| Aluminium - Alluminio - Aluminium - Aluminio - Aluminium - Алюминий | Ø 0,9 | Ø 0,8 | |
| Ø 0,8 | kg 0,8 | kg 0,8 | |
| Ø 1 | kg 3 | kg 5 | |
| cod. 802062 | cod. 802179 | cod. 802133 | |
| cod. 802064 | cod. 802188 | cod. 802396 | |
| | Ø 1,2 | kg 3 | |
| | kg 0,8 | kg 15 | |
| | kg 3 | cod. 802683 | |
| | kg 3 | cod. 802146 | |
| | Ø 1 | kg 15 | |
| | Ø 1,2 | kg 15 | |
| | | cod. 802684 | |

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

4 Brazing wire - Filo per brasatura - Fil pour brasage - Hilo para cobresoldadura
- Lötdräht - Проволока для пайки

| | | | |
|--------------------|-------|--------|-------------|
| Cu Si ₃ | Ø 0,8 | kg 0,8 | cod. 802495 |
| Cu Al ₈ | Ø 0,8 | kg 0,8 | cod. 802496 |
| Cu Si ₃ | Ø 0,8 | kg 3 | cod. 802434 |
| Cu Al ₈ | Ø 0,8 | kg 3 | cod. 802439 |

GAS BOTTLES

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



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

2 Throwing away - a perdere - jetable - no recuperable - Einweg - Одноразовые

| | | |
|-----------------------|---|-------------|
| CO ₂ | 1 | cod. 802038 |
| ARGON CO ₂ | 1 | cod. 802048 |
| ARGON | 1 | cod. 802050 |

Q.TY FOR SALES BY MULTIPLE OF:

Q.TA' DI VENDITA PER MULTIPLI DI: 2 pcs 6 pcs 10 pcs 12 pcs

REMOTE CONTROLS

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



- 1 x **Tecnica Tig 160, Technology Tig 182, 185, 222, 230, Superior Tig, Superior 320, 400, 630, Technomig 225, Inverpulse, Supertig 280/1** cod. 802219
- 2 x **Tecnica Tig 160, Technology Tig 182, 185, 222, 230, Superior Tig, Supertig 280/1, Superior 320, 400, 630, Technomig 225, Inverpulse 425, 625** cod. 802336
- 3 x **Tecnica Tig 160, 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



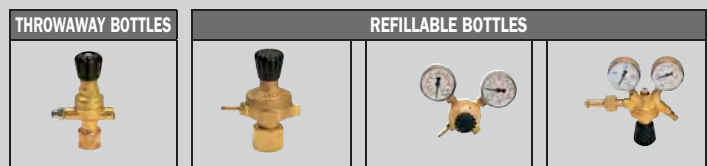
x **Tecnica Tig 160, Technology Tig 182, 185, Supertig 200** m 2 16mm² DX25 cod. 713058

x **Technology Tig 222, 230, Superior Tig 251, 252, Superior 320, Supertig 280/1** m 3 25mm² DX50 cod. 713169

x **Superior Tig, Superior 400** m 3 50mm² DX50 cod. 723031

GAS REGULATORS

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

























cod. 722120 cod. 722341 cod. 722119 cod. 722346

GAS BOTTLE ADAPTORS





















ADATTATORI BOMBOLA - ADAPTATEURS BOUTEILLE DE GAZ - ADAPTADES BOMBONA - GASFLASCHE PASSTÜCKE - АДАПТЕРЫ ДЛЯ ГАЗОВЫХ БАЛЛОНЫ

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

| PRODUCTS | BIMAX 105 | BIMAX 4.135, 4.165, 4.195 TURBO, BIMAX 132 TURBO | BIMAX 152, 162 TURBO, TECHNOMIG 150 DUAL SYNERGIC | TELMIG 150/1 TURBO | TECHNOMIG 180 DUAL SYNERGIC | TELMIG 170/1, 180/2 |
|---|------------------------------|---|--|----------------------------------|--|-----------------------------------|
| ACCESSORIES | | | | | | |
| Torches - Torce - Torches - Sopletes - Brenner - Горелки | TW120 2 m □ 742270 | TW160 2 m □ 4.135, 4.165, 132 □ 742402 TW180 2 m □ 4.195 □ 742233 | TW160 2 m □ 742402 | TW160 2 m □ 742901 | TW180 2,5 m □ 742605 | TW180 2,5 m □ 742405 |
| Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontakttröhrchen - Контактные трубки Steel | - | - | - | □ 0,6 □ 722415 □ 0,8 □ 722416 | - | - |
| Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontakttröhrchen - Контактные трубки Al/Flux | □ 0,8 □ 722667 x Flux | □ 0,8 □ 722556 □ 0,1 □ 722552 □ 0,1,2 □ 4.165, 4.195 □ 722553 | □ 0,8 □ 722556 □ 0,1 □ 722552 □ 0,1,2 □ 722553 | □ 0,8 □ 722556 □ 0,1 □ 722552 | □ 0,8 □ 722556 □ 0,1 □ 722552 □ 0,1,2 □ 722553 | □ 0,8 □ 722556 □ 0,1 □ 722552 |
| Conical Nozzles - Ugelli conici - Becs coniques - Inyectores conicos - konische Gasdüsen - Конические соплы | - | - | - | □ 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 cilindriques - Inyectores cilindricos - zylindrische Düsen - Иллиндрические соплы | □ 722054 | - | - | □ 722149 | - | - |
| Riveting Nozzles - Ugelli puntatura chiodi - Becs pointage clous - Inyectores punteado clavos - Nägelpunktendüsen - Соплы точечной сварки гвоздей | - | - | □ T.150 □ 722672 | □ 722672 | □ 722672 | □ 722672 |
| Spot-welding Nozzles - Ugelli puntatura - Becs pointage - Inyectores punteado - Punktschweissdüsen - Соплы для точечной сварки | - | - | □ T.150 □ 722150 | □ 722150 | □ 722150 | □ 722150 |
| Liners - Guaine guidafile - Guaines pour fil - Vainas guia alambre - Drahtführungsseelen - Рукавы, направляющие проволоку | Fe 2/2,5 m | □ 0,6÷0,8 □ 722077 | - | □ 0,6÷0,8 □ 742412 | □ 0,6÷0,8 □ 742422 | □ 0,6÷0,8 □ 742413 |
| | Fe 5 m | - | - | - | - | - |
| | Al 3 m | - | - | - | - | - |
| Torch Swan Necks - Lance - Lances - Encorvados - Brennerhals - Лебедные шеи | □ 722810 | - | □ 722078 | - | □ 722078 | □ 722078 |
| Springs - Molle - Resorts - Muelles - Feder - Пружины | - | - | - | □ 722319 | - | - |
| Feed Rolls - Rullini - Galets - Roldanas - Vorschubrollen - Ролики | Fe | □ 0,6÷0,9 □ 722529 | □ 0,6÷0,9 □ 722529 | □ 0,6÷0,8 □ 722019 | □ 0,6÷0,9 □ 722529 | □ 0,6÷0,8 □ 722019 |
| | Al | □ 0,1 □ 4.165, 4.195 □ 722629 | - | □ 0,1 □ 722629 | - | - |
| | Flux | □ 0,6÷0,9 □ 722529 □ 0,9÷1,2 □ 4.165, 4.195 □ 722626 | □ 0,6÷0,9 □ 722529 □ 0,9÷1,2 □ BIMAX □ 722626 | - | □ 0,6÷0,9 □ 722529 □ 0,9÷1,2 □ 722626 | - |

| PRODUCTS ACCESSORIES | TELMIG 195/2 TURBO, TELMIG 200/2, 203/2, 250/2, 251/2 TURBO  | MASTERMIG 220/2  | TECHNOMIG 180 EURO, TECHNOMIG 210 SYNERGIC  | TECHNOMIG 215 DUAL SYNERGIC, ELECTROMIG 220 SYNERGIC  | TECHNOMIG 223 TREO  | TELMIG 281/2 TURBO, TECHNOMIG 225  | MASTERMIG 270/2, DIGITAL MIG 330, MASTERMIG 300, ELECTROMIG 230, 330  | |
|--|---|---|--|--|--|---|--|--|
| Torches - Torce - Torches - Sopletes - Brenner - Горелки  | MT15 3 m □ 742180 4 m □ 742181 5 m □ 742182 NO TELMIG | | MT15 3 m □ 742180 4 m □ 742181 | | MT15 3 m □ 742180 4 m □ 742181 5 m □ 742182 | | MT25 3 m □ 742183 4 m □ 742184 NO ELECTROMIG 5 m □ 742185 NO TELMIG, NO ELECTROMIG | |
| Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки Steel  | Ø 0,6 □ 722415 Ø 0,8 □ 722416 Ø 1 □ 722705 | | Ø 0,6 □ 722415 Ø 0,8 □ 722416 Ø 1 □ T.210 □ 722705 | | Ø 0,6 □ 722415 Ø 0,8 □ 722416 Ø 1 □ 722705 | | Ø 0,6 □ 722415 Ø 0,8 □ 722680 Ø 1 □ 722681 Ø 1,2 □ 722682 NO E.230 | |
| Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки Al  | | | Ø 0,8 □ 722556 Ø 1 □ 722552 | | Ø 0,8 □ 722556 Ø 1 □ 722552 Ø 1,2 □ 722553 | | Ø 0,8 □ 722556 Ø 1 □ 722552 | |
| Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrchen - Контактные трубки Flux  | | | | | Ø 0,8 □ 722556 Ø 1 □ 722552 Ø 1,2 □ 722553 | | Ø 0,8 □ 722556* Ø 1 □ 722552* Ø 1,2 □ 722553* *NO MM 270/2, NO D.M.330 | |
| Conical Nozzles - Ugelli conici - Becs coniques - Inyectores conicos - konische Gasdüsen - Коническое соплы  | | | □ 722423 | | | | □ 722685 | |
| Thin Headed Nozzles - Ugelli a testa fine - Becs à tête fine - Inyectores cabeza fina - verengte Düsen - Соплы с тонкой головкой  | | | □ 722151 | | | | □ 722686 | |
| Cylindrical Nozzles - Ugelli cilindrici - Becs cylindriques - Inyectores cilindricos - zylindrische Düsen - Иллиндрические соплы  | | | □ 722149 | | | | □ 722684 | |
| Riveting Nozzles - Ugelli puntatura chiodi - Becs pointage clous - Inyectores punteado clavos - Nägelpunktendüsen - Соплы точечной сварки гвоздей  | | | □ 722672 | | | | | |
| Spot-welding Nozzles - Ugelli puntatura - Becs pointage - Inyectores punteado - Punktschweissdüsen - Соплы для точечной сварки  | | | □ 722150 | | | | □ 722687 | |
| Liners - Guaine guidafile - Guaines pour fil - Vainas guia alambre - Drahtführungsseelen - Рукавы, направляющие проволоку Fe 3 m ▶ Fe 5 m ▶ Al 3 m ▶  | | | | | Ø 0,6÷0,8 □ 722437 Ø 1÷1,2 □ 722689 | | Ø 0,6÷0,8 □ 722712 Ø 1÷1,2 □ 722766 | |
| Torch Swan Necks - Lance - Lances - Encorvados - Brennerhals - Лебедные шеи  | □ 722319 | | □ 722319 | | □ 722319 | | □ 722696 | |
| Springs - Molle - Resorts - Muelles - Feder - Пружины  | □ 722319 | | □ 722319 | | □ 722319 | | □ 722690 | |
| Gas diffusors/ Contact Tip Holders - Diffusori gas/ Supporti tubetto - Diffuseurs gaz/ Supports tubes - Difusores gas/ Sostén tubitos - Gasdiffusoren/ Kontaktrohrchentragers - Газовые диффузоры/ Контактные трубки  | | | | | | | □ 722688 | |
| Feed Rolls - Rullini - Galets - Roldanas - Vorschubrollen - Ролики Fe Al  | Ø 0,6÷0,8 □ 722019 Ø 1 □ 722629 | | Ø 0,6÷0,8 □ 722112 Ø 1÷1,2 □ 742054 | | Ø 0,6÷0,8 □ T.210 □ 722019 Ø 0,6÷0,9 □ T.180 □ 722529 | | 2 RULLI Ø 0,6÷0,8 □ 722112 4 RULLI Ø 0,6÷0,8 □ 722225 Ø 1÷1,2 □ 742366 | |
| Flux  | | | Ø 0,6÷0,9 □ 722529 Ø 0,9÷1,2 □ 722626 | | Ø 1÷1,6 □ 722130 | | 4 RULLI Ø 1÷1,6 □ 722289 | |

| PRODUCTS | INVERPULSE 320 | MASTERMIG 400, 500 SUPERMIG 380, 480, SUPERIOR 400 MIG PACK | INVERPULSE 425, 625, SUPERMIG 580, SUPERIOR 630 MIG PACK | AQUA VERSION* INVERPULSE 320, 425, 625, MASTERMIG 500, SUPERMIG 480, 580, SUPERIOR MIG PACK | 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 - Kontaktrohrenchen - Контактные трубки | Steel | □ 722415 □ 722680 □ 722681 □ 722682 □ 722797 NO INV. 320 | | □ 722581 □ 722582 □ 722583 □ 722587 | □ 722415 □ 722416 |
| Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrenchen - Контактные трубки | Al | □ 742466 □ 742467 □ 742468 | □ 722556 □ 722552 □ 722553 □ 722818 | □ 742159 □ 742160 □ 742161 NO INV. 320 □ 722772 NO INV. 320 | □ 722556 □ 722552 |
| Contact Tips - Tubetti di contatto - Tubes contact - Tubitos de contacto - Kontaktrohrenchen - Контактные трубки | Flux | □ 722552 □ 722553 | | □ 722769 □ 722770 □ 722771 NO INV. 320 □ 722772 NO INV. 320 | |
| Conical Nozzles - Ugelli conici - Becs coniques - Inyectores conicos - konische Gasdüsen - Конические соплы | | □ 722792 | □ 722808 | □ 722585 | □ 722423 |
| Cylindrical Nozzles - Ugelli cilindrici - Becs cylindriques - Inyectores cilindricos - zylindrische Düsen - Илиндрические соплы | | | □ 722809 | □ 722595 | □ 722149 |
| Thin Headed Nozzles - Ugelli a testa fine - Becs à tête fine - Inyectores cabeza fina - verengte Düsen - Соплы с тонкой головкой | | □ 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 | □ 722437 □ 722689 | □ 722437 □ 722689 □ 722795 | □ 722689 □ 722795 | □ 722590 □ 722588 NO INV. 320 |
| | Fe 5 m | □ 722712 □ 722766 | □ 722712 □ 722766 □ 722796 | □ 722766 □ 722796 | □ 722780 □ 722767 NO INV. 320 |
| | Al 3 m | □ 742164 | □ 722516 □ 722597 | □ 742164 □ 722597 NO INV. 320 | |
| Torch Swan Necks - Lance - Lances - Encorvados - Brennerhals - Лебедные шеи | | □ 722788 | □ 722801 | □ 722708 | □ M6 □ 990662 □ K4 □ 980942 |
| Springs - Molle - Resorts - Muelles - Feder - Пружины | | | | | □ 722319 |
| Gas diffusers - Diffusori gas - Diffuseurs gaz - Difusores gas - Gasdiffusoren - Газовые диффузоры | | □ 722791 | □ 722802 | □ 722593 | |
| Contact Tip Holders - Supporti tubetto - Suports tubes - Sostén tubitos - Kontaktrohrenchenträger - Контактные трубки | | □ 722789 | □ 722807 | □ 722709 | |
| Feed Rolls - Rullini - Galets - Roldanas - Vorschubrollen - Ролики | Fe | □ 722225 □ 722227 □ 742366 | □ 722225 □ 722227 □ 742366 □ 722241 | □ 722225 □ 722227 □ 742366 □ 722241 NO INV. 320 | □ 722191 |
| | Al | □ 742304 □ 722167 | □ 742304 □ 722167 □ 722169 | □ 742304 □ 722167 □ 722169 NO INV. 320 | □ M6 □ 742193 □ K4 □ 742519 □ K4 □ 742520 |
| | Flux | □ 722289 | □ 722289 □ 722195 NO MM. 400, SUP. MIG 380 | □ 722289 □ 722195 NO INV. 320 | |

| PRODUCTS ACCESSORIES | TECNICA PLASMA 31, TECHNOLOGY PLASMA 41 | TECHNOLOGY PLASMA 54 K | SUPERIOR PLASMA 60, SUPERPLASMA 83 HF | SUPERIOR PLASMA 90, ENTERPRISE PLASMA 160, SUPERPLASMA 130 HF | SUPERIOR PLASMA 160 | |
|---|---|---|--|--|--|--|
| Torches - Torce - Torches - Sopletes - Brenner - Горелки |  4 m ☐ 742237 |  4 m ☐ 742381 |  6 m ☐ 60 ☐ 742040 6 m ☐ 83 HF ☐ 722474 |  6 m ☐ 722332 12 m ☐ 722333 |  PS 6 m ☐ 802867 12 m ☐ 742635 | |
| Torches - Torce - Torches - Sopletes - Brenner - Горелки | - | - | - | 12 m ☐ 722334 | | PX 12 m ☐ 742636 |
| Starter Kit - Starter Kit - Kit Consumables - Kit De Inicio - Starter Kit - Стартовый Комплект | - | - | - | - | - | 40A ☐ 802879 60A ☐ 802880 80A ☐ 802881 130A ☐ 802882 |
| Shield - Schermo - Bouclier - Protección - Schütz - Экрано |  | - | - | - | - | 40A, 60A, 80A ☐ 802884 110A ☐ 802885 130A ☐ 802886 |
| Gouging Shield - Schermo Scricatura - Bouclier Décricage - Protección Torchado - Fugenhobeln Schütz - Экранов Для Плазменной Резки |  | - | - | - | ☐ 802928 | - |
| Gouging nozzles - Ugelli scricatura - Buses décricage - Inyectores torchado - Fugenhobeln Düsen - Сопел для плазменной резки |  | - | - | - | ☐ 802929 | - |
| Nozzles - Ugelli - Buses - Toberas - Düsen - Соплы |  2 KIT | ☐ 802423 | ☐ 802423 | ☐ 802077 | ∅ 1,3 ☐ 802119 ∅ 1,6 ☐ 802124 | 40A ☐ 802892 60A ☐ 802893 80A ☐ 802894 110A ☐ 802895 130A ☐ 802896 |
| Electrodes - Elettrodi - Electrodes - Electrodes - Elektroden - Электроды |  2 KIT | ☐ 802420 | ☐ 802420 | ☐ 802076 | ☐ 802122 | ☐ 802898 40A, 60A, 80A ☐ 802889 110A, 130A ☐ 802890 |
| Long nozzles - Ugelli prolungati - Buses prolongées - Toberas prolongados - Verlängerte Düsen - Удлиненные Соплы |  2 KIT | ☐ 802429 | - | ☐ 802079 | ☐ 802083 | - |
| Long electrodes - Elettrodi prolungati - Electrodes prolongées - Electrodes prolongados - Verlängerte Elektroden - Удлиненные Электроды |  2 KIT | ☐ 802428 | - | ☐ 802078 | ☐ 802082 | - |
| Torch Safety Caps - Puntali torcia - Embouts torche - Puntales soplete - Stösselschaften - Наконечники орелки |  2 KIT | ☐ 802425 | ☐ 802485 | ☐ 802081 | ☐ 802126 | ☐ 802933 ☐ 802887 1 PC |
| Spacers - Distanziali - Entretoise - Espaciadores - Distanzstueck - Распорные детали |  2 KIT | - | - | ☐ 802128 | ☐ 802127 | ☐ 802934 KIT 2 PCS |
| Insulating Diffusors - Diffusori isolanti - Diffuseurs isolants - Difusores aislantes - Isolierte Diffusoren - Изолирующие диффузоры |  2 KIT | ☐ 802422 | - | ☐ 802080 KIT 2 PCS | ☐ 802123 | ☐ 802899 KIT 2 PCS ☐ 802888 1 PC |
| Brass Diffusors - Diffusori ottone - Diffuseurs laiton - Difusores de latón - Messing Diffusoren - Латунные диффузоры |  2 KIT | - | - | - | ☐ 802121 | - |
| Cooling tube - Tubetto raffreddamento - TUBE de refroidissement - Tubito de enfriamento - Kühlrohr - Охлаждение труба |  2 KIT | - | - | - | - | ☐ 802897 KIT 2 PCS ☐ 802891 1 PC |
| OR Rings - Anelli OR - Anneaux OR - Tornillos OR - OR Ringen - Кольца OR |  2 KIT | - | - | - | ☐ 802120 | - |
| Magnetic guides - Guide magnetiche - Rayures magnétiques - Guías magnéticas - Magnetischürungen - Магнитная направляющая |  | - | ☐ 802143 | - | - | - |
| Circular cutting units - Unità circolari di taglio - Unités de découpage circulaire - Unidades de corte circular - Rundschnideanlage - Круговое Устройство Резки |  | ☐ 802214 | - | - | - | - |
| | - | - | ☐ 802218 | ☐ 802211 | - | - |

SMART INDUCTOR 5000



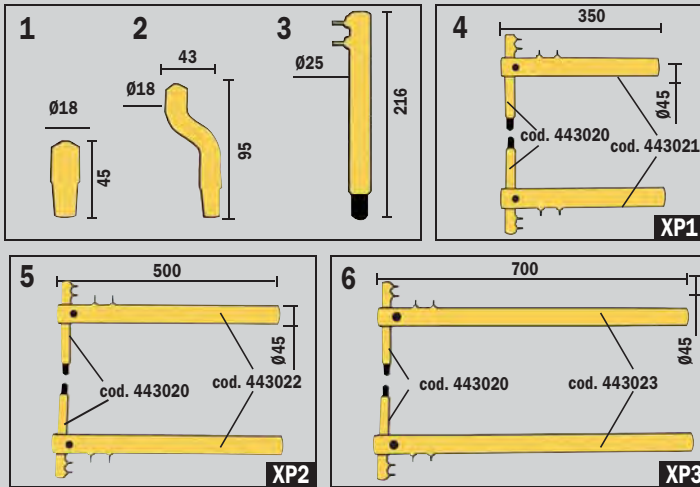
CONSUMABLES FOR HEAT TWISTER:

| | | | |
|-----------------------------|-------------|-----------------------------|-------------|
| 1. kit 2 Twister 10V M8/M10 | cod. 801413 | 2. kit 2 Twister 10H M8/M10 | cod. 801416 |
| kit 2 Twister 14V M12/M14 | cod. 801414 | kit 2 Twister 14H M12/M14 | cod. 801417 |
| kit 2 Twister 18V M16/M18 | cod. 801415 | kit 2 Twister 18H M16/M18 | cod. 801418 |

PTE - PCP



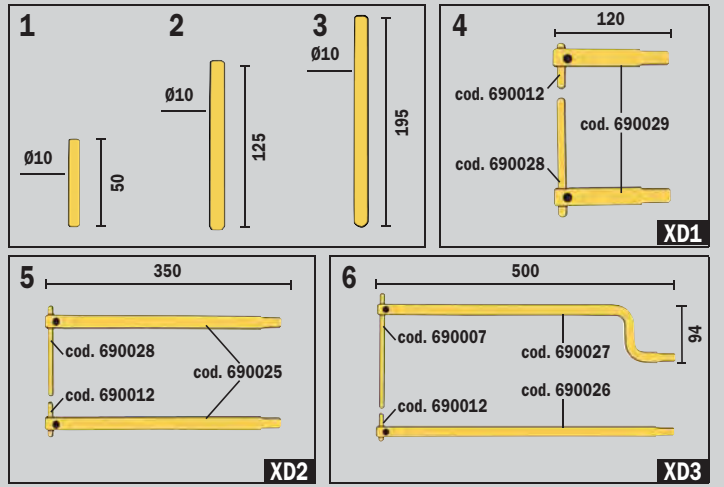
| | | |
|----|---------------------------|-------------|
| 1. | L=45 mm (standard) | cod. 690035 |
| 2. | L=95 mm | cod. 690036 |
| 3. | L=216 mm (standard) | cod. 443020 |
| 4. | XP1.. L=350 mm (standard) | cod. 803100 |
| 5. | XP2.. L=500 mm | cod. 803101 |
| 6. | XP3.. L=700 mm | cod. 803102 |



DIGITAL CAR SPOTTER



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



DIGITAL SPOTTER 7000, 9000 (AQUA) - INVERSPOTTER 13000 - MODULAR 20/TI - DIGITAL MODULAR

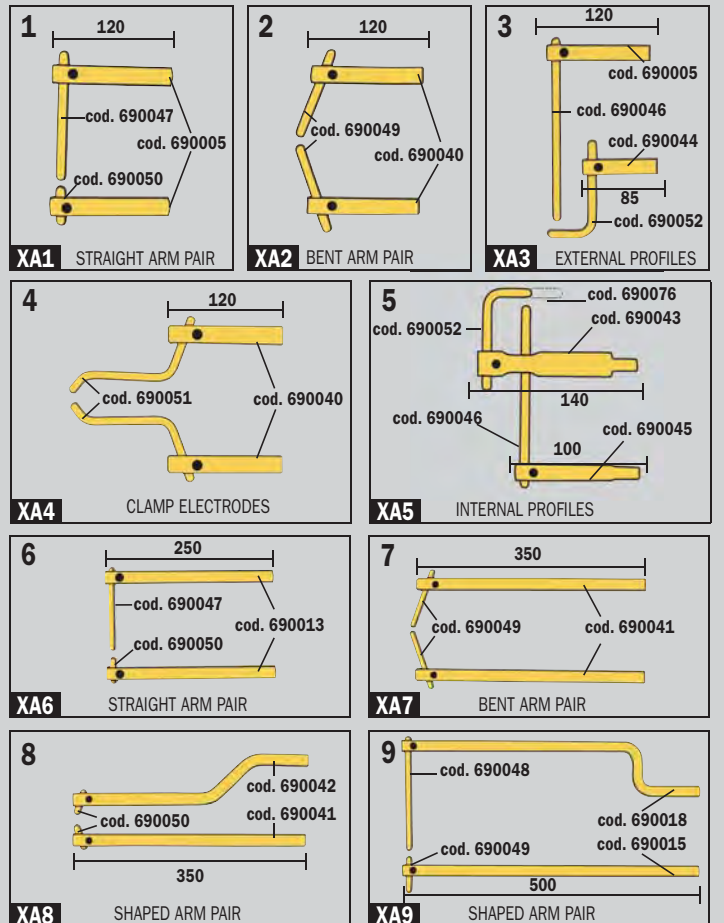
Arm pairs with electrodes - Coppie bracci con elettrodi - Deux bras avec électrodes
- Par brazos con electrodos - Armpaar mit Elektroden - Пара прямых кронштейнов с электродами

- cod. 801048 Digital Spotter 7000, 9000
- cod. 801086 Digital Spotter 9000 AQUA
- cod. 801063 Inverspotter 13000

- Modular 20/TI
- Digital Modular 230-400

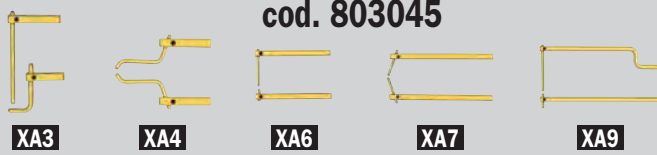


| | | |
|----|-----------------------------|-------------|
| 1. | XA1.....L=120 mm (standard) | cod. 803151 |
| 2. | XA2.....L=120 mm | cod. 803150 |
| 3. | XA3.....L=120 mm | cod. 803158 |
| 4. | XA4.....L=120 mm | cod. 803155 |
| 5. | XA5.....L=140 mm | cod. 803159 |
| 6. | XA6.....L=250 mm | cod. 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



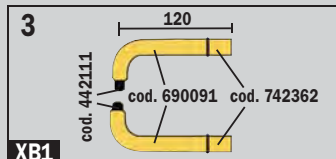
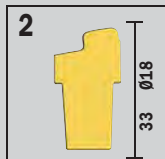
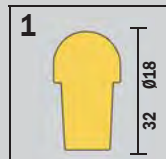
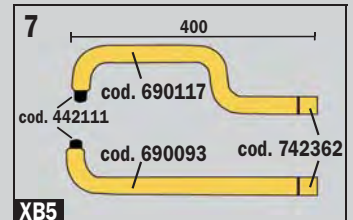
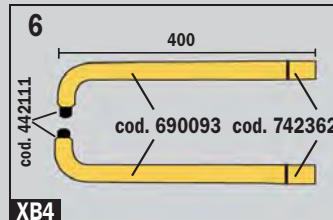
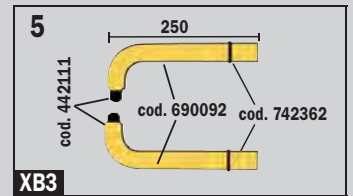
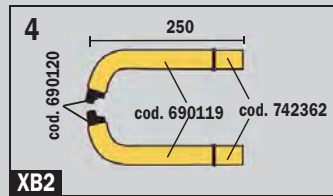
INVERSPOTTER 12000

Electrodes / Arm pairs with electrodes - Elettrodi/Coppie bracci con elettrodi - Électrodes / Deux bras avec électrodes - Electrodoos / Par brazos con electrodoos - Elektroden / Armpaar mit Elektroden - Электроды/пара прямых кронштейнов с электродами



WATER COOLED

1. L = 32 mm..... cod. 442111
2. L = 33 mm..... (x XB2) cod. 690120
3. XB1 L = 120 mm (standard)..... cod. 803157
4. XB2 L = 250 mm cod. 803105
5. XB3 L = 250 mm cod. 803166
6. XB4 L = 400 mm cod. 803167
7. XB5 L = 400 mm cod. 803168



INVERSPOTTER 13500 SMART - 13500 SMART AQUA - 14000 AQUA - 14000 SMART AQUA



WATER COOLED ARMS

1. CA1 ..L= 95 mm STD. cod. 803169
2. CA2 ..L= 95 mm..... cod. 803170
3. CA3 ..L=300 mm cod. 803171
4. CA4 ..L=550 mm..... cod. 803172
5. CA5 ..L= 42 mm cod. 803181

ARMS

1. CB1 ..L= 95 mm STD. cod. 803182
2. CB2 ..L= 95 mm cod. 803183
3. CB3 ..L=300 mm cod. 803184
4. CB4 ..L=550 mm..... cod. 803185
5. CB5 ..L= 42 mm cod. 803186

ELECTRODES

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

ARMS

1. STANDARD 95
CA1 CB1
2. 95
CA2 CB2
3. 300
CA3 CB3
4. 550
CA4 CB4
5. 42
CA5 CB5

CAPS MAINTENANCE KIT (AQUA)

CMK
cod. 802768

CMKA AQUA
cod. 802767

GREASE

cod. 321132

ELECTRODE HOLDER KIT NEW

long/short

x CA1, CB1
14000 AQUA, 14000 SMART AQUA
cod. 802868

| PRODUCTS | INVERSPOTTER 13500 SMART | INVERSPOTTER 13500 SMART AQUA | INVERSPOTTER 14000 AQUA | INVERSPOTTER 14000 SMART AQUA |
|----------|--------------------------|-------------------------------|-------------------------|-------------------------------|
| ARMS | | | | |
| CA1 | | | a | |
| CA2 | | | a | |
| CA3 | | | a | |
| CA4 | | | a | |
| CA5 | | | c | |
| CB1 | b | | | |
| CB2 | b | | | |
| CB3 | a | | | |
| CB4 | a | | | |
| CB5 | c | | | |
| CMK | • | | | |
| CMKA | | • | • | • |

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

AUTOMOTIVE WELDING CLAMPS

PINZE DI SALDATURA PER AUTOMOTIVE - PINCES DE SOUDAGE POUR AUTOMOTIVE - PINZAS DE SOLDADURA PARA AUTOMOTIVE - AUTOMOTIVE SCHWEISSZANGEN - СВАРОЧНЫЕ ЗАЖИМЫЕ АВТОСЕКМЕНТА

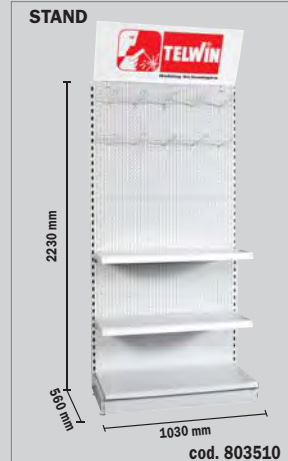
cod. 802627



cod. 802586



DISPLAYER FOR BLISTERS



FLAGS



500x2400 mm
cod. 989331



600x2800 mm
cod. 989332

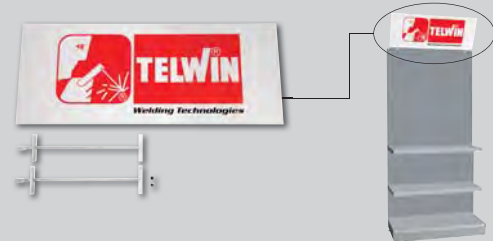
BANNER



1. 2200x1000 mm
cod. 988956
2. 1100x500 mm
cod. 988957

DISPLAYER

cod. 803506



GLOVES

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



cod. 802673



cod. 802667



TIG



cod. 802632



ARC PROTECTOR

CONNECTS TO BATTERY, DETECTS VOLTAGE SPIKES AND PREVENTS - DAMAGE TO VEHICLE'S ELECTRONIC DEVICES



cod. 802840

6 PCS



SCREENS

SCHERMI - ÉCRANS - PANTALLAS - SCHIRME - ЭКРАН



- 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



1740x1740mm

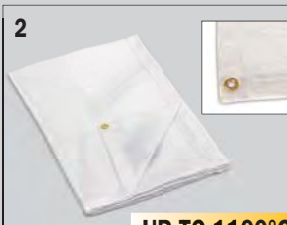
- 2 Protective screen - schermo protettivo
- écran de protection - pantalla de protección
- Schutzschirm - защитный экран

red - rosso - rouge - rojo - rot - Красный
cod. 802676

green - verde - vert - verde - grün - зеленый
cod. 802677

BLANKETS/APRON

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



UP TO 550°C

UP TO 1100°C

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

1 red - rossa - rouge - roja - rot - красное
1420x2000mm
cod. 802678

2 white - bianca - blanche - blanca - weiß - белое
1530x1920
cod. 802679



cod. 802550

6 PCS



ELECTRODES



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

RUTILE - RUTILI - RUTILES - RUTILLOS - RUTIL - РУТИЛОВЫЕ

STEEL - ACCIAIO - ACIER - ACERO - STAHL - СТАЛЬ

**STAINLESS STEEL - ACCIAIO INOSSIDABILE
- ACIER INOXIDABLE - 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

CARBON ELECTRODES - GOUGING



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. 802748**
BASIC Ø 3,2 mm 5 kg (137 pcs) **cod. 802765**



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

MMA WELDING KITS

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



- 1 (16mm² 3+2 m) x Nordika 3200, 3250 **cod. 801002**
- 2 (10mm² 3+2 m DX25) x Force 145, 165, 168 MPGE, 195, Motoinverter 174 CE, Force 170 Tig, Tecnica 151/S **cod. 801000**
(16mm² 3+2 m DX25) x Tecnica 171/S, 188 MPGE, 211/S, Advance 187 MV/PFC, Technology 186 HD, 216 HD, Superior 245, Motoinverter 204 CE, Artika 220, 270, Quality 280, Eurarc 310, Technomig 215 Dual Synergic, Technomig 223 Treo, Tecnica Tig 160, 190, Advance 227 Tig, Technology Tig 182, Technology Tig 185, Supertig 200 **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**
- 3 (25mm² 4+3 m DX50) x Linear 280, Eurarc 410, 422, Superior 320, Technomig 225, Electromig 220, 230, 330, Technology Tig 222, 230, Superior Tig 311, 251, 252, Supertig 280/1 **cod. 801081**
- (35mm² 4+3 m DX50) x Linear 340, 300/S, Thunder 304 CE, Thunder 314D CE, 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**
- 4 (70mm² 4+3 m DX70) x Linear 530 HD, 630 HD, Superior 630 CE VRD, Superior 630 Mig Pack (AQUA), Inverpulse 425, 625 **cod. 801106**

MASKS & LENSES



cod. 802545



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



98x75 mm
cod. 802547
110x90 mm
x Tiger XL
cod. 802581
107x51mm
x mask cod. 802545
x Tiger
cod. 802575



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



98x75 mm
cod. 802548
110x90 mm
cod. 802580



110x90 mm
x Stream, Stream Flame, Tribe, Tribe Red, Tiger XL, Tiger
cod. 802655
115x94 mm
x Jaguar, Jaguar Fire
cod. 802804
134x114 mm
x Vantage Grey XXL, Vantage Red XL
cod. 802939
102x47 mm
x Stream, Stream Flame, Tribe, Tribe Red
cod. 802834



PROFESSIONAL HELMETS



NEW

VANTAGE GREY XXL
Cod. 802937

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



NEW

VANTAGE RED XL
Cod. 802936

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



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



NEW

TRIBE RED
Cod. 802814

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



NEW

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



NEW

TIGER
Cod. 802818

- fix
- 11 DIN



WIRE COILS / GAS BOTTLES

BOBINE FILO/ BOMBOLE GAS - BOBINES FIL/ BOUTEILLES GAZ
- BOBINAS HILO/ BOMBONAS GAS - DRAHTSPULEN/ GASFLASCHEN
- БОБИНЫ ПРОВОЛОКИ/ ГАЗОВЫЕ БАЛЛОНЫ



Steel
Stainless Steel
Aluminium
Brazing - Flux



CO₂
Argon CO₂
Argon

Pag. 67

Q.TY FOR SALES BY MULTIPLE OF:



Q.TA' DI VENDITA PER MULTIPLI DI: 2 pcs 4 pcs 5 pcs 6 pcs 8 pcs 10 pcs 12 pcs blister

INSTRUMENTATION

STRUMENTAZIONE - INSTRUMENTATION - INSTRUMENTACIÓN - INSTRUMENTIERUNG
- ИНСТРУМЕНТЫ



1 Oscilloscope - Oscilloscopio - Oscilloscope - Oscilloscopio
- Oszilloskop - Осциллограф

cod. 802401

2 Variac (1 ph)

cod. 802402

3 Dummy Load - Carico Statico - Charge Statique - Carga Estatica
- Statische Belastung - Статическая нагрузка
x Tecnica, Technology, Superior
x Tecnica Plasma, Technology Plasma, Superior Plasma 60 HF (60A)

cod. 802110

cod. 802111

4 Jump Start Check x Speed Start, Pro Start

cod. 802695

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
6 PCS



Dallas 400 A
Ø max 50 mm²
B BLISTER
cod. 802539
6 PCS

Dallas 600 A
Ø max 70 mm²
6 PCS CARDBOARD
cod. 802785



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



Colorado 150 A
Ø max 16 mm²
cod. 802532



Toledo 300 A
Ø max 25 mm²
cod. 802533



Toledo 400 A
Ø max 70 mm²
cod. 802534



Toledo 600 A
Ø max 95 mm²
cod. 802535

"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



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



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



Slag remover - Escoriatore - Excoriatore - Excoriator - Schlackenhammer - Щетка для удаления шлака

cod. 802541



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

cod. 802542



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

cod. 802582



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

x 25 mm² cod. 802556
x 50 mm² cod. 802563



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 cod. 802558
x 50 mm² cod. 802559



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



cod. 802664

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

cod. 802583



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

cod. 802521

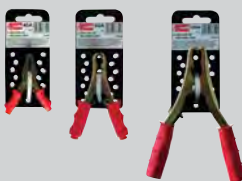


Battery terminals brush - Spazzola per morsetti batteria - Brosse pour bornes batterie - Cepillo para bornes batería - Bürste für Batterieklappen - Щетка для клемм батареи

cod. 802522



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



Red - rosso - rouge - rojo - rot - Красный (+)
Colorado 40 A cod. 802527
Colorado 60 A cod. 802529
Colorado 150 A cod. 802531



Black - nero - noir - negro - schwarz - Черный (-)
Colorado 40 A cod. 802528
Colorado 60 A cod. 802530
Colorado 150 A cod. 802532

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



Q.TY FOR SALES BY MULTIPLE OF: **2** **6** **10** **12** **B**
Q.TA' DI VENDITA PER MULTIPLI DI: 2 pcs 6 pcs 10 pcs 12 pcs blister

BATTERY TESTERS

TESTER BATTERIE - TESTEURS BATTERIES - PRUEBAS BATERIAS - BATTERIEPRÜGERÄTE - БАТАРЕИ ТЕСТЕРА

| | | | | | | | |
|--|---------------|--|-----------------|--------------------------------------|-----------------------------|--|--|
| | | | | | | | |
| T125 | T200 | T500 | DV300 | BTS350 | DT400 | DTS700 | DTP800 |
| ALTERNATOR TEST START SYSTEM TEST BATTERY START CAPABILITY | MADE IN ITALY | ALTERNATOR TEST START SYSTEM TEST BATTERY START CAPABILITY | ALTERNATOR TEST | ALTERNATOR TEST START SYSTEM TEST | BATTERY START CAPABILITY | ALTERNATOR TEST START SYSTEM TEST BATTERY START CAPABILITY | BATTERY START CAPABILITY SUPPLIED IN PLASTIC CARRY CASE |
| cod. 802780 | cod. 802517 | cod. 802781 | cod. 802782 | cod. 802783 | cod. 802605 | cod. 802665 | cod. 802606 |

INCLUDED:
KIT
2 PCS
cod. 950046

BOOSTER CABLES

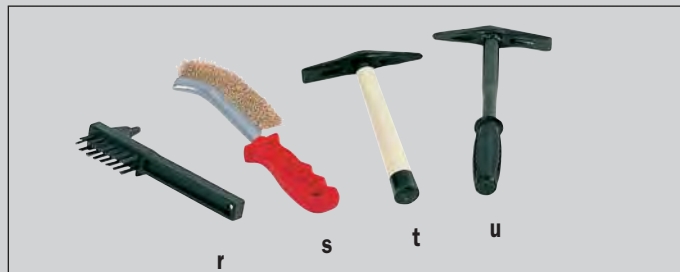
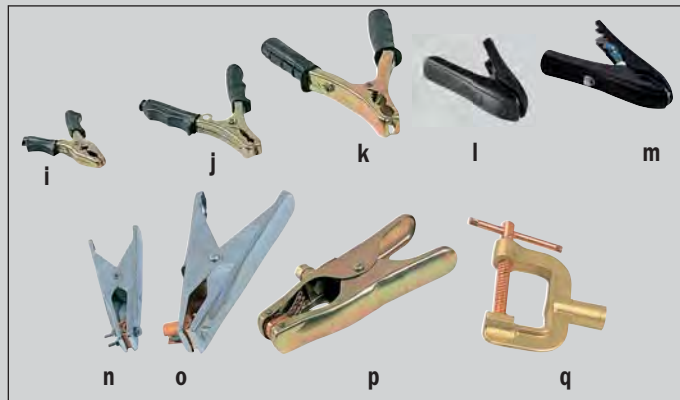
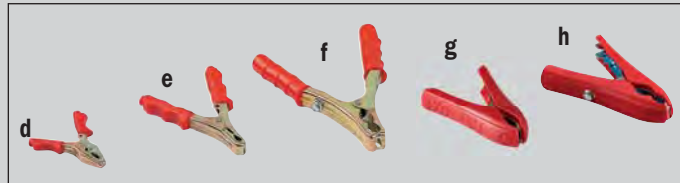
CAVI AVVIAMENTO - CABLES DE DEMARRAGE - CABLES DE ARRANQUE - STARTEN KABEL - ПУСКОВЫЕ КАБЕЛИ

OBDII - MEMORY SAVER CABLES

| | | | | |
|---------------------------|-------------------------------------|------------------|--|-------------|
| | POWER LINE - DIY RANGE (CCA) | | PRO LINE PROFESSIONAL RANGE | |
| 3 m Ø 16 mm 250A | cod. 802746 | 3 m Ø 16 mm 350A | cod. 802515 | cod. 802693 |
| 3 m Ø 25 mm 350A | cod. 802747 | 3 m Ø 25 mm 550A | cod. 802516 | cod. 802935 |
| 3 m Ø 16 mm 250A | cod. 802698 | 3 m Ø 35 mm 800A | cod. 802668 | |
| ELECTRONIC CONTROL | | | | |

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 |

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