



# TECNA<sup>®</sup>

Resistance Welding Systems & Balancers

## ***General Catalogue*** ***RESISTANCE WELDERS AND SPOTTERS*** ***FOR BODY SHOPS***

[www.tecna.net](http://www.tecna.net)





TECNA S.P.A. - VIA MEUCCI, 27 - CASTEL SAN PIETRO TERME

TECNA: La saldatura intelligente in carrozzeria  
 L'ampia gamma per carrozzeria è composta da:  
 Sistemi per la saldatura manuale di prigionieri (o perni) in acciaio o alluminio, con generatore a scarica di condensatori.  
 Spotter a trasformatore incorporato 0.8 kVA al 50%.  
 Spotter a cavi da 2,5÷5 kVA al 50%.  
 Puntatrici a cavi carrellate monofase 8 kVA al 50% (corredabili con pinze manuali o pneumatiche, con controllo di saldatura a singolo o doppio programma).  
 Puntatrici a cavi carrellate monofase da 10 kVA al 50% (corredabili di raffreddamento ad acqua, pinze pneumatiche, controllo digitale a doppio programma).  
 Puntatrici di ultima generazione con tecnologia inverter a basso consumo energetico, a cavi 25 kVA al 50%, con trasformatore incorporato nelle pinze 12 kVA al 50% e controllo di saldatura touch-screen (corredabili con pinza pneumatica a "X" o a "C" con bracci intercambiabili, monopunto raffreddata ad acqua).

Le puntatrici Tecna sono approvate ed omologate dalle migliori case automobilistiche, per l'utilizzo in carrozzerie autorizzate.



TECNA S.P.A. - VIA GRIECO, 25/27 - CASTEL SAN PIETRO TERME







*TECNA: Intelligent welding in car body repair*

*This wide range is composed of:*

*Hand-operated welding equipment for steel and aluminium studs (and pins) with capacitor discharge generators.*

*Spotter with built-in transformer, 0.8kVA at 50%.*

*Cable Spotter, 2,5÷5 kVA at 50%.*

*Single-phase cable spot welders on trolley, 8 kVA at 50% (which can be equipped with either manual or pneumatic guns, with either single or double program welding control unit).*

*Single-phase cable spot welders on trolley, 10kVA at 50% (which can be equipped with water cooling, pneumatic guns, double program digital control unit).*

*Last generation inverter technology (low energy consumption) cable spot welders, 25 kVA at 50%: equipped with built-in transformer guns (12 kVA at 50%) and touch-screen welding control unit. Also, they can be equipped with either "X" or "C" pneumatic guns, exchangeable arms, water-cooled single-sided gun.*

*TECNA spot welders are approved and homologated by the major Car Manufacturers for being used in authorised car body shops.*

*TECNA: La soldadura inteligente para carrocería.*

*La amplia gama para carrocería incluye:*

*Equipos de soldadura manual de tuercas (o pernos) de acero o aluminio, con generador de descarga de condensadores.*

*Spotter de transformador incorporado 0,8kVa al 50%.*

*Spotter de cables de 2,5÷5kVA al 50%*

*Punteadoras de cables monofásicas 8kVA al 50% que se pueden usar con pinzas manuales o neumáticas, con control de soldadura de mono o doble programa.*

*Punteadoras de cables monofásicas 10kVA al 50% que se pueden equipar con refrigeración por agua, con pinzas neumáticas, control digital de doble programa.*

*Punteadoras de última generación con tecnología inverter de bajo gasto energético, de cables, 25kVA al 50%, con transformador incorporado en las pinzas 12kVA al 50% y control de soldadura touch screen que se pueden usar con pinza neumática tipo 'X' o 'C' con brazos intercambiables, mono punto refrigerada por agua.*

*Las punteadoras TECNA han sido aprobadas y homologadas por las mejores Casas Automotrices, para su empleo en carrocerías autorizadas.*





TECNA, sinonimo di Saldatura a Resistenza, si inserisce in un mercato in costante evoluzione progettando e costruendo Saldatrici a Resistenza da 46 anni. La passione per la tecnica e la genialità nella progettazione permettono all'azienda di diventare S.n.c. nel 1985 ed S.p.A. nel 1988.

Oggi la sede principale di Via Meucci, 27 in Castel San Pietro Terme (Bo) è sede legale, amministrativa e produttiva, mentre la sede di Via Grieco, 25/27 è una seconda sede produttiva e operativa.

Questa esperienza qualifica TECNA come fornitore di importanti case automobilistiche e grandi multinazionali operanti nell'ambito industriale. Le puntatrici TECNA sono approvate ed omologate dalla migliori case automobilistiche per l'utilizzo in carrozzerie autorizzate. In questi anni, è diventata un'azienda di grande importanza specializzandosi in una vasta gamma di prodotti che vanno dalle macchine per la Saldatura a Resistenza in ambito industriale con tecnologie monofase, trifase ad inverter, trifase D.C. e a Scarica di Condensatori fino alle macchine per la Saldatura e Riparazione in Carrozzeria con controlli di saldatura di ultima generazione con tecnologia inverter a basso consumo energetico.

By designing and building resistance welders for 46 years TECNA, synonymous with Resistance Welding, is part of a market undergoing constant evolution. Passion for technology and design talent allowed the company to turn into an Snc one in 1985 and into an S.p.A. in 1988.

Today, the headquarters of Via Meucci, 27 in Castel San Pietro Terme (BO) are the head and registered office while the plant in Via Grieco, 25/27 stands for a second manufacturing plant.

This experience qualifies TECNA as a supplier of major car manufacturers and large multinational companies operating in industrial fields. The TECNA welders are approved and homologated by top car manufacturers for being used by authorized car body shops. In the past years, TECNA has become a very important company by specializing in a wide range of products ranging from welding machines for industrial applications equipped with single-phase, three-phase inverter, three-phase DC and capacitor discharge technologies up to machines for car body welding and repair provided with welding controls of the last generation equipped with low power consumption inverter technology.

TECNA, sinónimo de soldadura por resistencia, pertenece a un mercado en constante evolución con proyectos y fabricación de sistemas de soldadura por resistencia a lo largo de 46 años. Gracias a la pasión por la técnica, sumada a la genialidad en el proyecto TECNA, se constituyó en el 1985 como TECNA persona física y en el 1988 como TECNA S.A.

Hoy la matriz, con domicilio en Castel San Pietro Terme (BO), Via Meucci, 27, es la oficina principal, administrativa y de producción así como el establecimiento de Via Grieco, 25/27 es la segunda oficina de producción.

A lo largo de esta experiencia TECNA se destaca como proveedor de importantes casas automotrices y de grandes empresas multinacionales del sector industrial. Las punteadoras TECNA han sido aprobadas y homologadas por las mejores casas automotrices para su empleo en los talleres autorizados. En los años pasados TECNA consiguió una fama de alto nivel dedicándose y ampliando la gama de sus productos que abarca sistemas para la soldadura por resistencia en el sector industrial con tecnologías monofásicas, trifásicas inverter, trifásicas D.C. y de descarga de condensadores hasta sistemas para soldadura y reparación de carrocería con controles de soldadura de última generación de tecnología inverter con bajo gasto energético.

## INDUSTRIAL RESISTANCE WELDING SYSTEMS

## CAR BODY REPAIR TECHNOLOGIES

## BALANCERS



Inoltre, vanta una linea di prodotti che possono essere considerati "accessori" delle macchine per la Saldatura a Resistenza come i Controlli di Saldatura digitali, gli Strumenti di Misura e i Bilanciatori.

TECNA da sempre sviluppa i suoi prodotti mirando alla migliore qualità e al minor impatto ambientale. Ogni singolo passo all'interno dell'azienda che vada dalla progettazione, alla produzione, alle vendite che fluiscono attraverso diversi canali a seconda della destinazione finale del prodotto, è accuratamente seguito. In questi anni ha creato una rete capillare di agenti e distributori in tutto il mondo.

It also boasts a line of products that can be considered "accessories" of the Resistance Welding machines like Digital Welding Controls, Measurement Instruments and Balancers.

TECNA has always developed its products aiming at better quality and reduced environmental impact. Each step within the company is carefully followed: from design, to production, to sales flowing through different channels depending on the final destination of the product. In recent years, it has created an extensive network of agents and distributors around the world.

A todo eso se suma una amplia gama de productos que pueden ser considerados "accesorios" de los sistemas de Soldadura por Resistencia como los Controles de soldadura digital, Equipos de Medición y Equilibradores.

TECNA desde siempre enfocó sus proyectos consiguiendo la mejor calidad de sus productos reduciendo los impactos negativos para el ambiente. Cada paso en la empresa, desde el proyecto, la producción y las ventas que fluyen a través de diferentes distribuidores, según la destinación final del producto, son el resultado de un análisis extremadamente cuidadoso. TECNA, fue capaz de generar en estos últimos años, una red de agentes y distribuidores capaces de atender solicitudes provenientes de cualquier parte del mundo.



Administrator | rear trunk lid



7.009 kA

1276 ms

240 daN



8685

5234

D



1.5 mm F

92  $\mu$ m



TECNA

NEW TRAFO GUN  
FULLY AUTOMATIC



**CASE COSTRUTTRICI CHE CONSIGLIANO PRODOTTI TECNA**  
**CAR MANUFACTURERS ADVISING TECNA PRODUCTS**  
**CASAS AUTOMOTRICES QUE RECOMIENDAN LOS PRODUCTOS DE TECNA**



**B.M.W.**

**CHRYSLER**



U.S.A.



**MINI**



EUROPA

**Audi**

**ROLLS**



**ROYCE**

**HYUNDAI**



**MERCEDES**



U.S.A.

**BENZ**



**SUBARU**  
U.S.A.



**SMART**



U.S.A.



**TOYOTA**



**TESLA**



EUROPA



U.S.A.



**RAM**

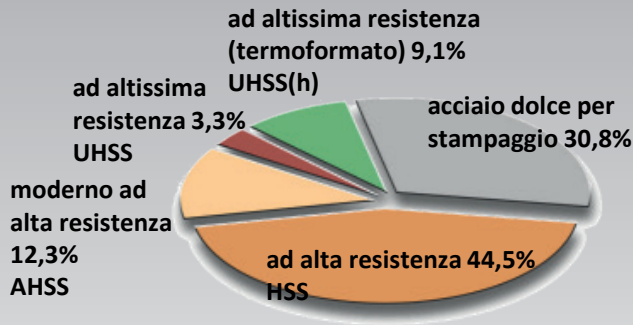




## ACCIAI HSS E UHSS HSS E UHSS ACEROS HSS Y UHSS

I materiali Altoresistenziali (HSS) e Ultra Altoresistenziali (UHSS) rappresentano al giorno d'oggi l'evoluzione nel mondo della carrozzeria.

Grazie alla tecnologia sviluppata da TECNA, oggi è possibile riparare e saldare le auto di nuove generazioni.

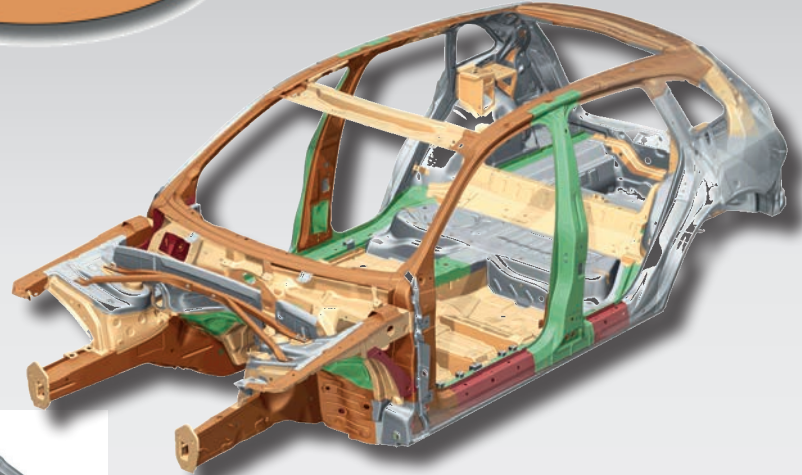


High-strength (HSS) and Ultra High-strength (UHSS) materials represent today's evolution in the world of bodywork.

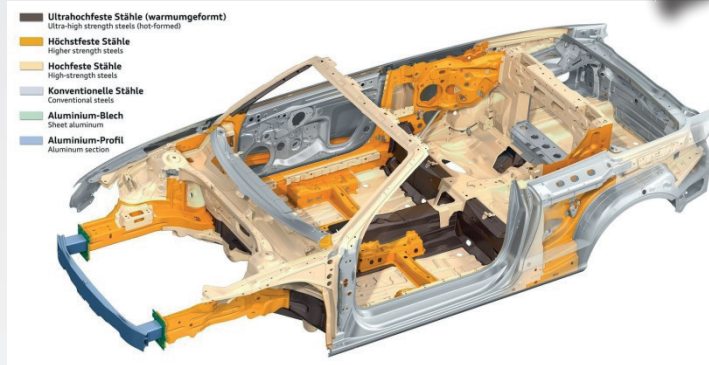
The technology developed by TECNA enables today to repair and weld cars of the new generations.

Hoy en día, los materiales altoresistenciales (HSS) y ultra altoresistenciales (UHSS) representan la evolución en el mundo de la carrocería. Gracias a la tecnología desarrollada por TECNA, se pueden reparar y soldar los coches de nueva generación introducidos en el mercado automovil.

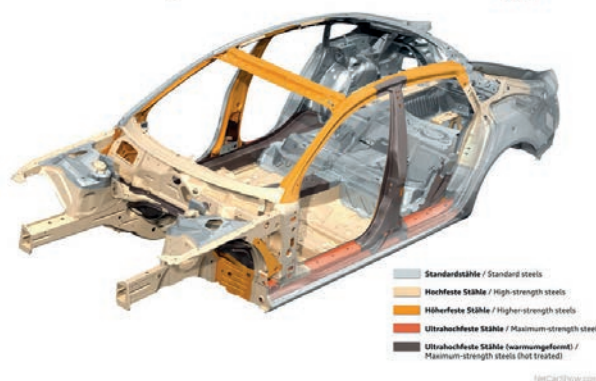
- Acciaio Dolce
- Acciaio ad Alta Resistenza
- Moderno Acciaio ad Alta Resistenza
- Acciaio ad Alta Resistenza Formato a Caldo
- Alluminio
- Plastica



- Mild Steel
- High resistance steel
- Modern High-Resistance Steel
- High-strength steel, hot formed
- Aluminum
- Plastic



- Acero dulce
- Acero de alta resistencia
- Acero moderno de alta resistencia
- Acero de alta resistencia conformado en caliente
- Aluminio
- Plástico



Sistema di saldatura a resistenza completamente raffreddato ad acqua, controllato a microprocessore, completamente automatico.

Il controllo di saldatura touch screen consente la visualizzazione ed il controllo di tutti i parametri di saldatura, in funzione degli utensili, del tipo e dello spessore delle lamiere da saldare.

Fully water-cooled resistance welding system controlled by a microprocessor, fully automatic.

The welding control unit uses a digital display with touch screen function and allows setting and monitoring all welding parameters according to the tools and according to the type and thickness of the sheets to be welded.

Sistema de soldadura por resistencia refrigerado por agua y controlado por microprocesador completamente automático.

El control de soldadura de pantalla digital con tecla táctil permite visualizar y controlar todos los parámetros de soldadura en función de los útiles, del tipo y del espesor de las chapas a soldar.

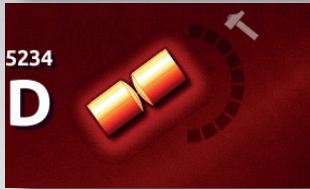


# 3680S



WIRELESS REMOTE CONTROL

Maximum welding power  
**15500 A**



(A RICHIESTA)  
(ON DEMAND) \*  
(A SOLICITUD)

(A RICHIESTA)  
(ON DEMAND) \*  
(A SOLICITUD)

TRAFO GUN FULLY AUTOMATIC

23221/P



PROGRAMMA SOFTWARE  
PENDRIVE SOFTWARE PROGRAM  
PROGRAMA DE SOFTWARE

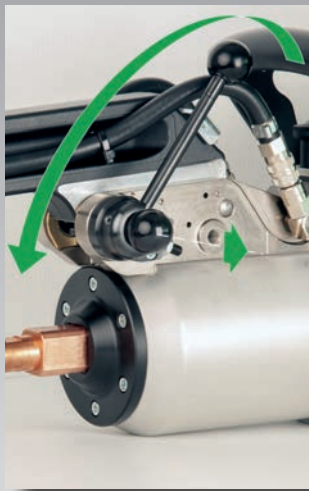
72000/3680



3591S







**FORCE**  
615 daN

**MAX STROKE**  
92 mm

**GYRO**  
360° SCOPE

**Smart PLUS**

| <b>DATI TECNICI</b><br><b>TECHNICAL FEATURES</b><br><b>DATOS TÉCNICOS</b>  | <b>3680S</b><br><b>8692</b>             | <b>3680S</b><br><b>8692</b>             |
|--|---|---|
| Tensione d'alimentazione<br>Supply voltage - Fuente de alimentación  | *400 VACx3~50 Hz                        | *220 VACx3~50/60 Hz                     |
| Fusibili di rete<br>Mains fuses - Fusibles de red  | 32 A - ritardato<br>delayed - retardado | 50 A - ritardato<br>delayed - retardado |
| Corrente continua di saldatura<br>Welding current - Corriente de soldadura continua                                | 15.500 A                                |   |
| Serbatoio dell'acqua - contenuto<br>Content of the water tank - Tanque de agua - contenido                         | 25 l                                    |   |
| Dimensioni di altezza/larghezza/profondità<br>Dimensions height/width/depth<br>Tamaño altura / ancho / profundidad | 237 / 63 / 81 cm                        |   |
| Peso totale senza accessori<br>Total weight without accessories<br>Peso total sin accesorios                       | 140 kg                                  |   |
| Pinza "C"<br>"C" gun - Pinza "C"   | 8692                                    | 8692                                    |
| Lunghezza dei cavi<br>Cables length - Longitud cables  | 4 m                                     | 6 m                                     |
| Potenza nominale 50% ED<br>Nominal power 50% ED / Potencia nominal 50% ED  | 22 kVA                                  | 22 kVA                                  |
| Potenza massima di saldatura<br>Maximum welding power / Potencia máxima de soldadura                               | 129 kVA                                 | 129 kVA                                 |
| Corrente termica 100%<br>Thermal current 100% / Corriente térmica 100%   | 2,05 kA                                 | 2,05 kA                                 |
| Tensione a vuoto secondaria<br>No load secondary voltage / Tensión de vacío secundaria                             | 7,7 V                                   | 7,7 V                                   |
| Forza max. agli elettrodi a 8 bar<br>Max. electrode force at 8 bar<br>Fuerza max. a los electrodos a 8 bar         | 615 daN                                 | 615 daN                                 |
| Sensore di riconoscimento<br>Recognition sensor / Sensor de reconocimiento   | S                                       | S                                       |
| Peso della pinza senza bracci<br>Gun weight without arms - Peso pinza sin brazos                                   | 10,8 kg                                 | 10,8 kg                                 |

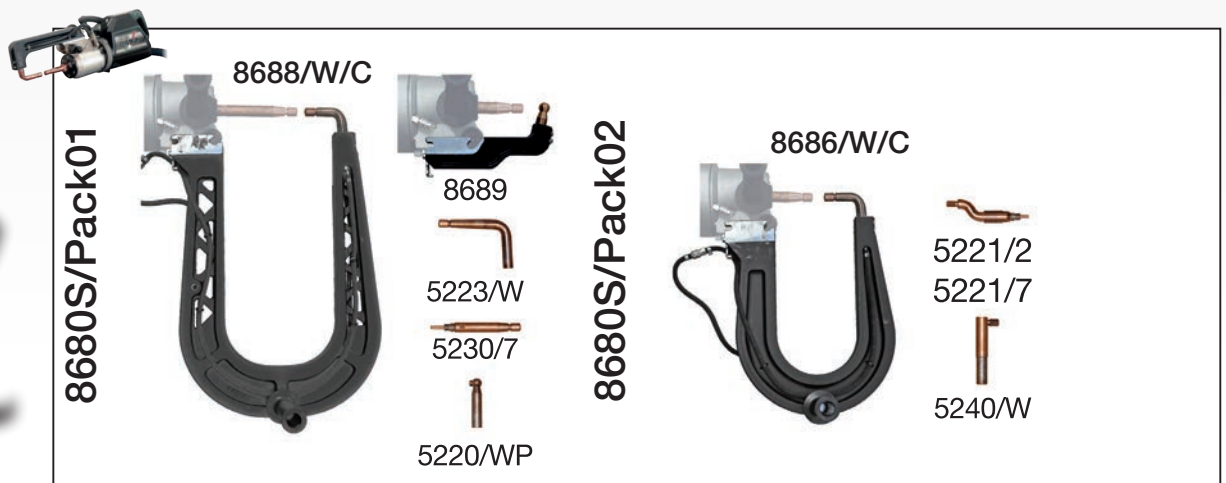
\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

S = Smart Plus

4000001406



COPERTURA PER 3680 (A RICHIESTA)  
COVER FOR 3680 (ON DEMAND)  
TAPA PARA 3680 (A SOLICITUD)



8680S/Pack01

8688/W/C

8689

5223/W

5230/7

5220/WP

8680S/Pack02

8686/W/C

5221/2

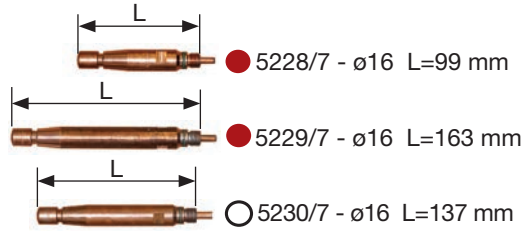
5221/7

5240/W

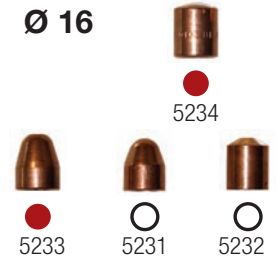


BRACCI/ELETTRODI - ARMS/ELECTRODES - BRAZOS/ELECTRODOS

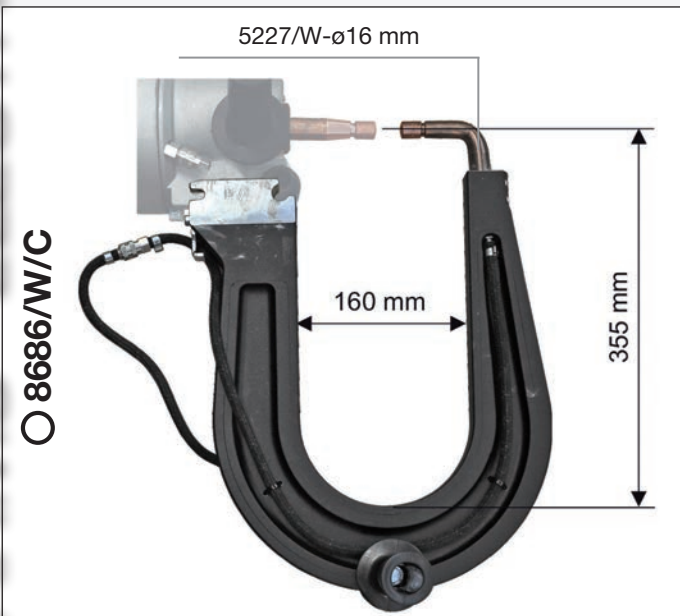
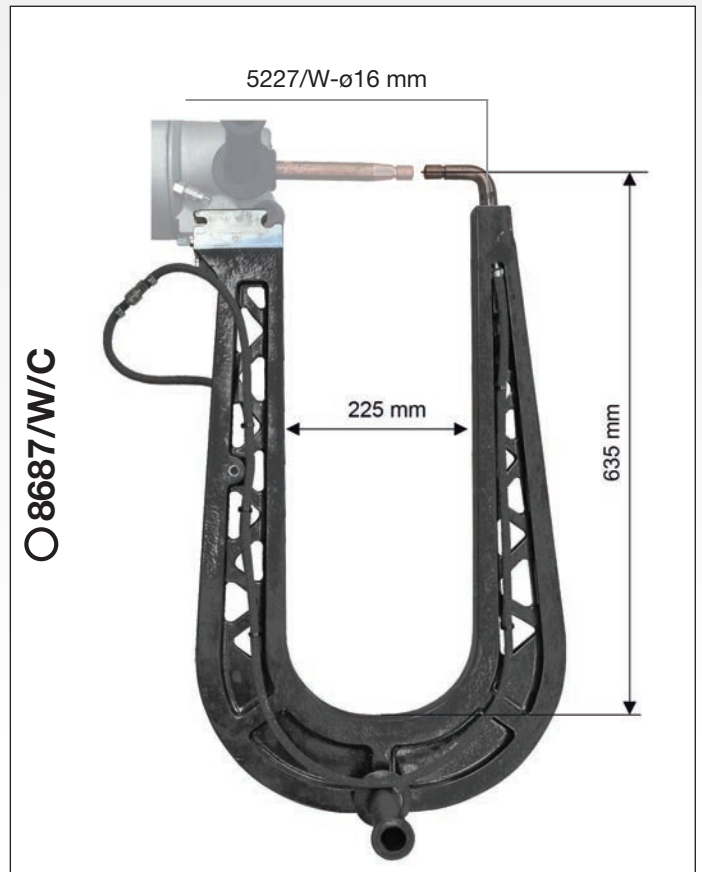
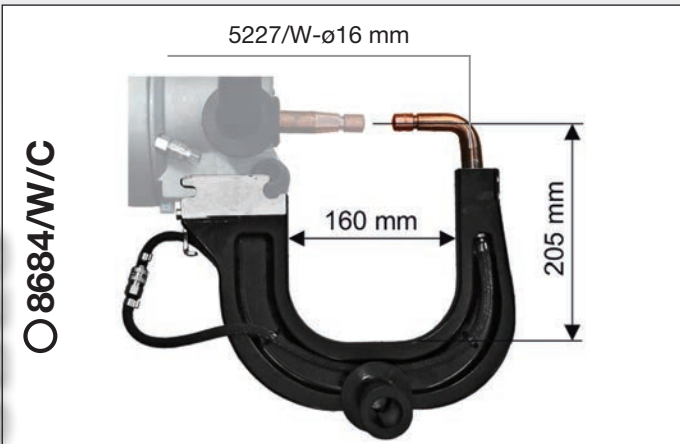
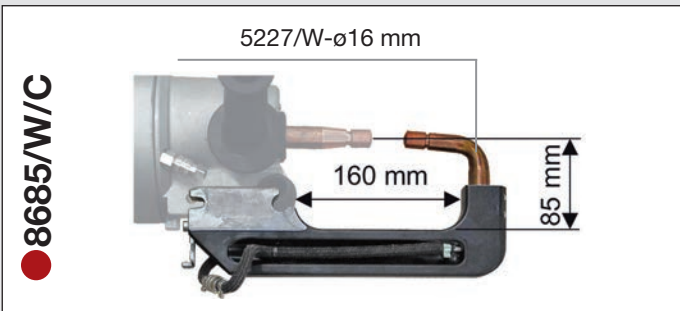
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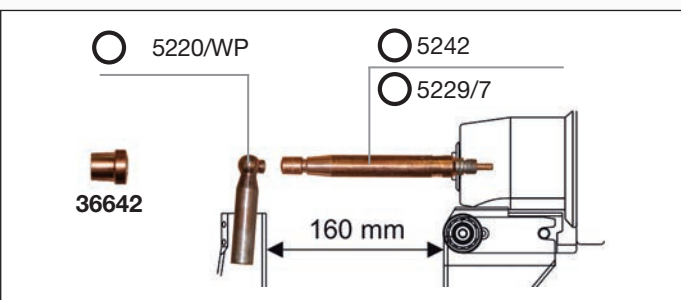
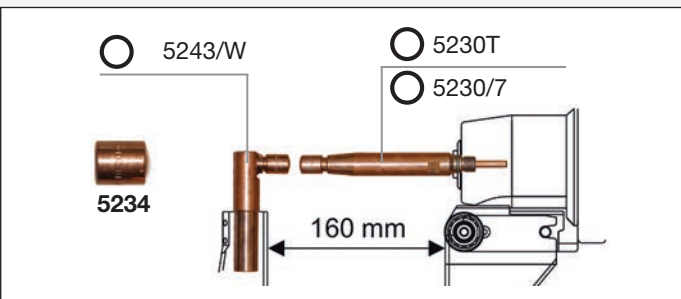
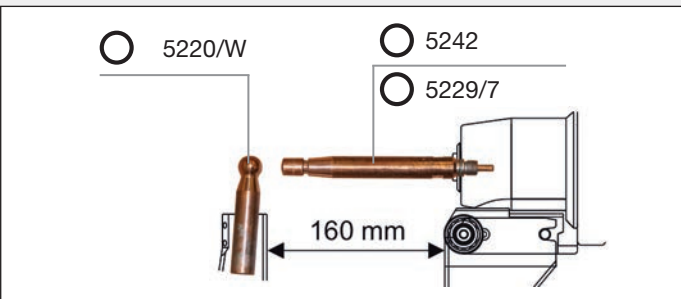
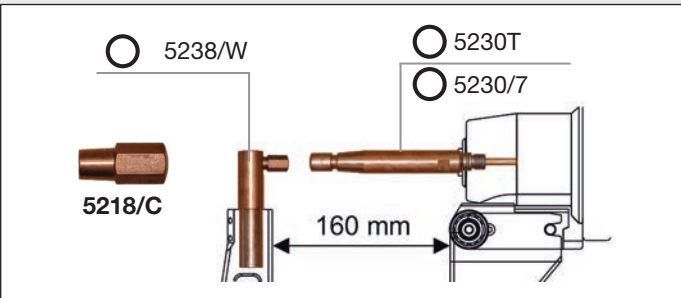
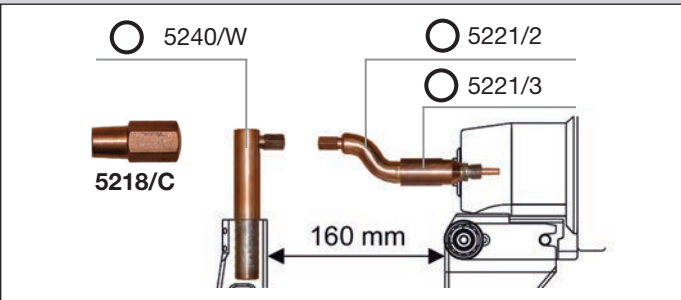
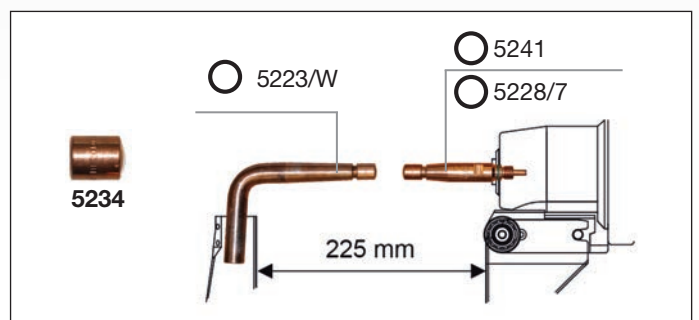
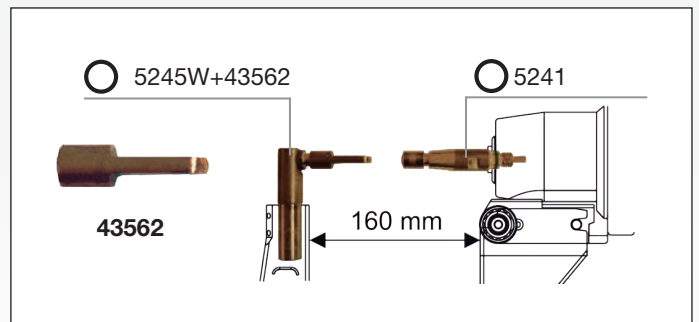
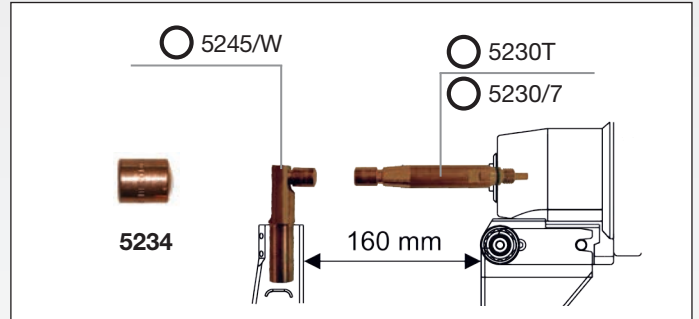
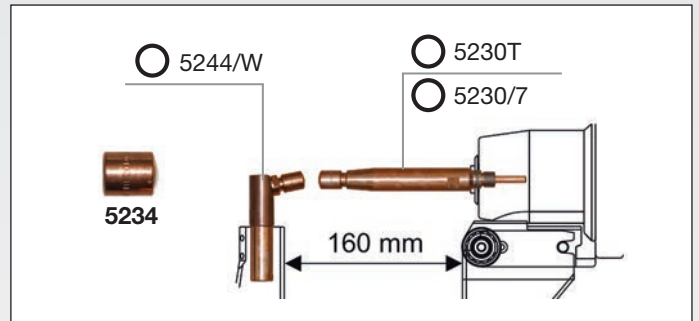
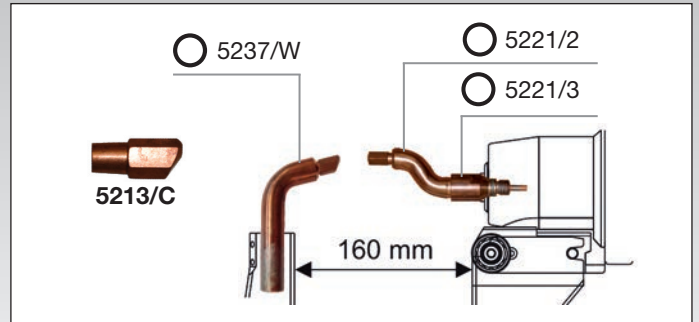
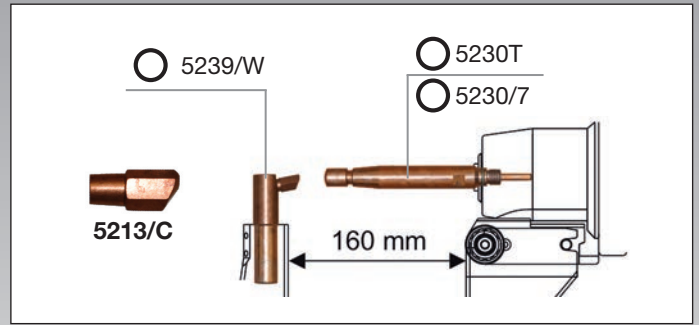
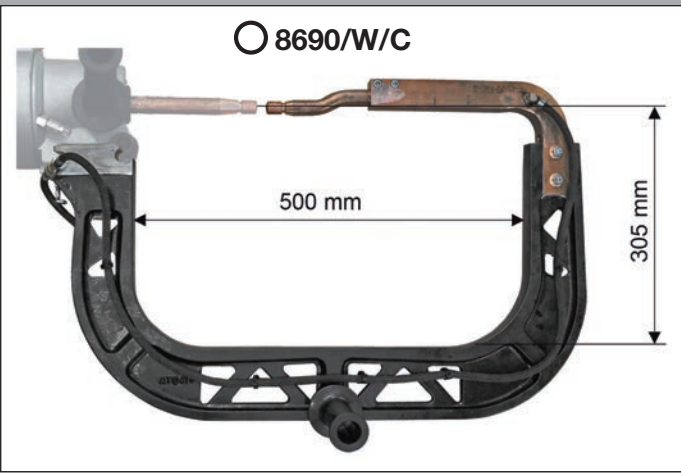


● STANDARD ○ A RICHIESTA - ON DEMAND - A SOLICITUD



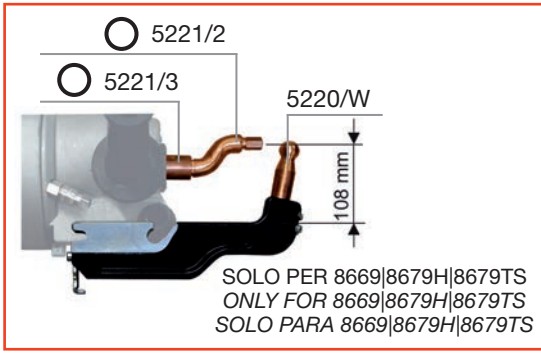
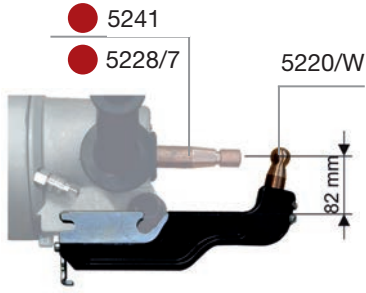
ARMS - ELECTRODES







○ 8689 - 8689/W/C



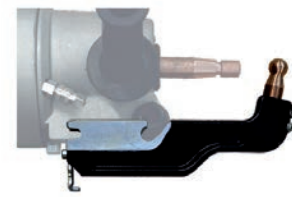
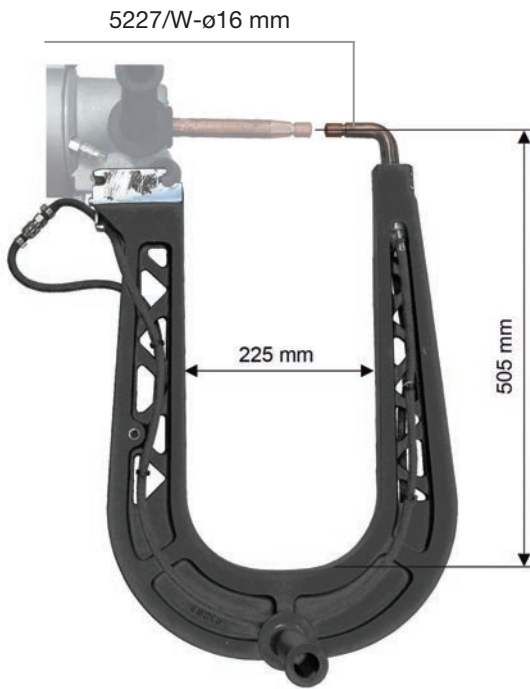
OPZIONALI PER 5221/2  
OPTIONAL FOR 5221/2  
OPCIONAL PARA 5221/2



● STANDARD ○ A RICHIESTA - ON DEMAND - A SOLICITUD

8680S/Pack01

○ 8688/W/C



5223/W



8689



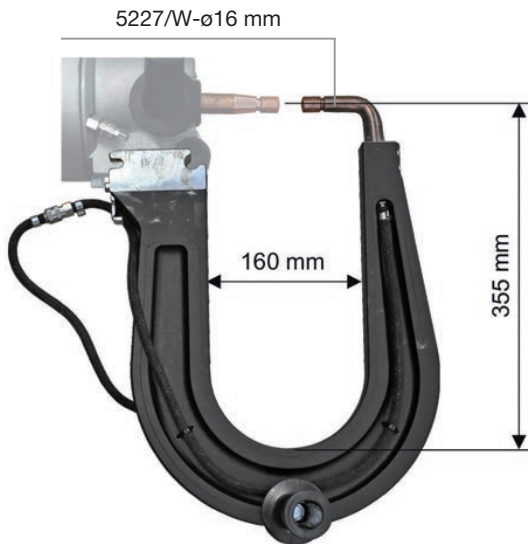
5230/7



5220/WP

8680S/Pack02

○ 8686/W/C



5221/2  
5221/7



5240/W





Administrator | rear trunk lid

7.009 kA

1276 ms

240 daN

1.5 mm F

92 μm

TECNA

TRAFO GUN  
FULLY AUTOMATIC



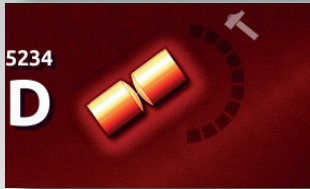
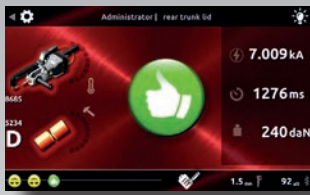
# 3680



## WIRELESS REMOTE CONTROL

(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)

Maximum welding power  
**14000 A**



✱ (A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)

✱ (A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)



8687/W/S  
8688/W/S  
8686/W/S  
8689

3680P

3680P7

23221/P



PROGRAMMA SOFTWARE  
PENDRIVE SOFTWARE PROGRAM  
PROGRAMA DE SOFTWARE

72000/3680



3591



4000001406



COPERTURA PER 3680 (A RICHIESTA)  
COVER FOR 3680 (ON DEMAND)  
TAPA PARA 3680 (A SOLICITUD)

TRAFO GUN FULLY AUTOMATIC



8679TS



**FORCE**  
**450**  
daN

**GYRO**  
**360°**  
SCOPE

**Smart**  
**PLUS**

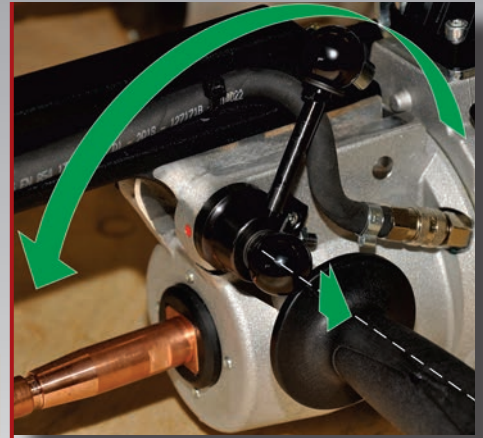
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**FORCE**  
**700**  
daN

**GYRO**  
**360°**  
SCOPE

**Smart**  
**PLUS**



(A RICHIESTA) - (ON DEMAND) - (A SOLICITUD)

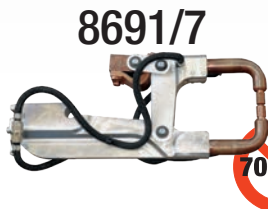
| <b>DATI TECNICI</b><br><b>TECHNICAL FEATURES</b><br><b>DATOS TÉCNICOS</b>  | <b>3680P</b><br><b>8679TS</b>                  | <b>3680P7</b><br><b>8679TS7</b> | <b>3680P</b><br><b>8679TS</b>                  | <b>3680P7</b><br><b>8679TS7</b> |
|--|--|---------------------------------|--|---------------------------------|
| Tensione d'alimentazione<br>Supply voltage - Fuente de alimentación  | <b>*400 VACx3~50 Hz</b>                        |                                 | <b>*220 VACx3~50/60 Hz</b>                     |                                 |
| Fusibili di rete<br>Mains fuses - Fusibles de red  | <b>32 A</b> - ritardato<br>delayed - retardado |                                 | <b>50 A</b> - ritardato<br>delayed - retardado |                                 |
| Corrente continua di saldatura<br>Welding current - Corriente de soldadura continua                                | <b>14.000 A</b>                                |                                 |  |                                 |
| Serbatoio dell'acqua - contenuto<br>Content of the water tank - Tanque de agua - contenido                         | <b>25 l</b>                                    |                                 |  |                                 |
| Dimensioni di altezza/larghezza/profondità<br>Dimensions height/width/depth<br>Tamaño altura / ancho / profundidad | <b>237 / 63 / 81 cm</b>                        |                                 |  |                                 |
| Peso totale senza accessori<br>Total weight without accessories<br>Peso total sin accesorios                       | <b>140 kg</b>                                  |                                 |  |                                 |
| Pinza "C"<br>"C" gun - Pinza "C"   | <b>8679TS</b>                                  | <b>8679TS7</b>                  | <b>8679TS</b>                                  | <b>8679TS7</b>                  |
| Lunghezza dei cavi<br>Cables length - Longitud cables  | <b>4 m</b>                                     | <b>4 m</b>                      | <b>6 m</b>                                     | <b>6 m</b>                      |
| Potenza nominale 50% ED<br>Nominal power 50% ED / Potencia nominal 50% ED  | <b>19 kVA</b>                                  | <b>19 kVA</b>                   | <b>19 kVA</b>                                  | <b>19 kVA</b>                   |
| Potenza massima di saldatura<br>Maximum welding power / Potencia máxima de soldadura                               | <b>60 kVA</b>                                  | <b>60 kVA</b>                   | <b>60 kVA</b>                                  | <b>60 kVA</b>                   |
| Corrente termica 100%<br>Thermal current 100% / Corriente térmica 100%   | <b>1,8 kA</b>                                  | <b>1,8 kA</b>                   | <b>1,8 kA</b>                                  | <b>1,8 kA</b>                   |
| Tensione a vuoto secondaria<br>No load secondary voltage / Tensión de vacío secundaria                             | <b>8,7 V</b>                                   | <b>8,7 V</b>                    | <b>8,7 V</b>                                   | <b>8,7 V</b>                    |
| Forza max. agli elettrodi a 8 bar<br>Max. electrode force at 8 bar<br>Fuerza max. a los electrodos a 8 bar         | <b>450 daN</b>                                 | <b>700 daN</b>                  | <b>450 daN</b>                                 | <b>700 daN</b>                  |
| Sensore di riconoscimento<br>Recognition sensor / Sensor de reconocimiento   | <b>S</b>                                       | <b>S</b>                        | <b>S</b>                                       | <b>S</b>                        |
| Peso della pinza senza bracci<br>Gun weight without arms - Peso pinza sin brazos                                   | <b>12,5 kg</b>                                 | <b>12,5 kg</b>                  | <b>12,5 kg</b>                                 | <b>12,5 kg</b>                  |

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

**S = Smart Plus**

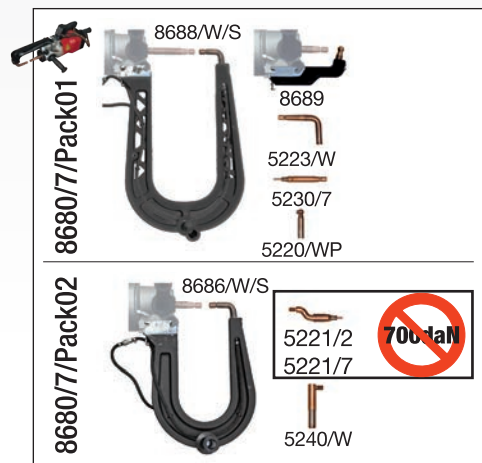
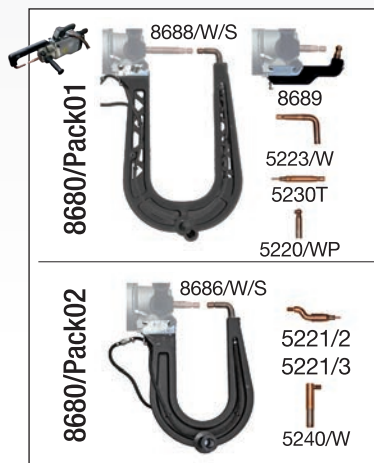


8691



8691/7

**700 daN**



# 3664



|   |              |           |
|---|--------------|-----------|
| Fe/Zn                                       | n°L 2        | HOME MENU |
| 1.00 mm                                     | 3.00 mm      |           |
| T: 700 (ms)                                 | I: 6.97 (kA) | OK        |
| P: 0.0 (Bar)                                | Punto: 0     |           |
| Lavoro 1                                    |              | WELD INFO |
| MODULO DI LAVORO SMART May 26 11:05:26 2008 |              |           |

|  |              |           |           |
|--|--------------|-----------|-----------|
| TEMP                                       | CORRENTE     | FORZA     | HOME MENU |
| T: 700 (ms)                                | I: 6.97 (kA) |           |           |
| P: 0.0 (Bar)                               | Punto: 0     |           |           |
| Lavoro 1                                   |              | WELD INFO |           |
| MODULO DI LAVORO EASY May 26 11:05:26 2008 |              |           |           |

Maximum welding power  
**14000 A**



3664P



3664P7

23221/P



PROGRAMMA SOFTWARE  
PENDRIVE SOFTWARE PROGRAM  
PROGRAMA DE SOFTWARE

72000



3591



41762



COPERTURA PER 3664  
COVER FOR 3664  
TAPA PARA 3664

TRAFIO GUN FULLY AUTOMATIC



## 8679TS



## 8679TS7



## 8678T



Forza/bracci vedi pag. 22

Arms/force see pag. 22 - Fuerza/arms ver pag. 22

| <b>DATI TECNICI</b><br><b>TECHNICAL FEATURES</b><br><b>DATOS TÉCNICOS</b>  | <b>3664P</b><br><b>8679TS</b>                  | <b>3664P7</b><br><b>8679TS7</b> | <b>3664P</b><br><b>8679TS</b>                  | <b>3664P7</b><br><b>8679TS7</b> | <b>3664</b><br><b>8678T</b>                    | <b>3664</b><br><b>8678T</b>                    |
|--|--|---------------------------------|--|---------------------------------|--|--|
| Tensione d'alimentazione<br>Supply voltage - Fuente de alimentación  | <b>*400 VACx3~50 Hz</b>                        |                                 | <b>*220 VACx3~50/60 Hz</b>                     |                                 | <b>*400 VACx3~50 Hz</b>                        | <b>*220 VACx3~50/60 Hz</b>                     |
| Fusibili di rete<br>Mains fuses - Fusibles de red  | <b>32 A - ritardato</b><br>delayed - retardado |                                 | <b>50 A - ritardato</b><br>delayed - retardado |                                 | <b>32 A - ritardato</b><br>delayed - retardado | <b>50 A - ritardato</b><br>delayed - retardado |
| Corrente continua di saldatura<br>Welding current - Corriente de soldadura continua                                | <b>14.000 A</b>                                |                                 |  |                                 |  |  |
| Serbatoio dell'acqua - contenuto<br>Content of the water tank - Tanque de agua - contenido                         | <b>25 l</b>                                    |                                 |  |                                 |  |  |
| Dimensioni di altezza/larghezza/profondità<br>Dimensions height/width/depth<br>Tamaño altura / ancho / profundidad | <b>181 / 77 / 86 cm</b>                        |                                 |  |                                 |  |  |
| Peso totale senza accessori<br>Total weight without accessories<br>Peso total sin accesorios                       | <b>140 kg</b>                                  |                                 |  |                                 |  |  |
| Pinza "C"<br>"C" gun - Pinza "C"   | <b>8679TS</b>                                  | <b>8679TS7</b>                  | <b>8679TS</b>                                  | <b>8679TS7</b>                  | <b>8678T</b>                                   | <b>8678T</b>                                   |
| Lunghezza dei cavi<br>Cables length - Longitud cables  | <b>4 m</b>                                     | <b>4 m</b>                      | <b>6 m</b>                                     | <b>6 m</b>                      | <b>4 m</b>                                     | <b>6 m</b>                                     |
| Potenza nominale 50% ED<br>Nominal power 50% ED / Potencia nominal 50% ED  | <b>19 kVA</b>                                  | <b>19 kVA</b>                   | <b>19 kVA</b>                                  | <b>19 kVA</b>                   | <b>19 kVA</b>                                  | <b>19 kVA</b>                                  |
| Potenza massima di saldatura<br>Maximum welding power / Potencia máxima de soldadura                               | <b>60 kVA</b>                                  | <b>60 kVA</b>                   | <b>60 kVA</b>                                  | <b>60 kVA</b>                   | <b>60 kVA</b>                                  | <b>60 kVA</b>                                  |
| Corrente termica 100%<br>Thermal current 100% / Corriente térmica 100%   | <b>1,8 kA</b>                                  | <b>1,8 kA</b>                   | <b>1,8 kA</b>                                  | <b>1,8 kA</b>                   | <b>1,8 kA</b>                                  | <b>1,8 kA</b>                                  |
| Tensione a vuoto secondaria<br>No load secondary voltage / Tensión de vacío secundaria                             | <b>8,7 V</b>                                   | <b>8,7 V</b>                    | <b>8,7 V</b>                                   | <b>8,7 V</b>                    | <b>8,7 V</b>                                   | <b>8,7 V</b>                                   |
| Forza max. agli elettrodi a 8 bar<br>Max. electrode force at 8 bar<br>Fuerza max. a los electrodos a 8 bar         | <b>450 daN</b>                                 | <b>700 daN</b>                  | <b>450 daN</b>                                 | <b>700 daN</b>                  | <b>610 daN</b><br>(6 bar)                      | <b>610 daN</b><br>(6 bar)                      |
| Sensore di riconoscimento<br>Recognition sensor / Sensor de reconocimiento   | <b>S</b>                                       | <b>S</b>                        | <b>S</b>                                       | <b>S</b>                        | <b>--</b>                                      | <b>--</b>                                      |
| Peso della pinza senza bracci<br>Gun weight without arms - Peso pinza sin brazos                                   | <b>12,5 kg</b>                                 | <b>12,5 kg</b>                  | <b>12,5 kg</b>                                 | <b>12,5 kg</b>                  | <b>14 kg</b>                                   | <b>14 kg</b>                                   |

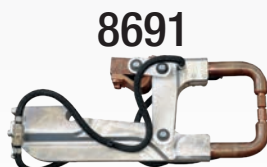
\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

**S = Smart Plus**

## 8680/PACK03



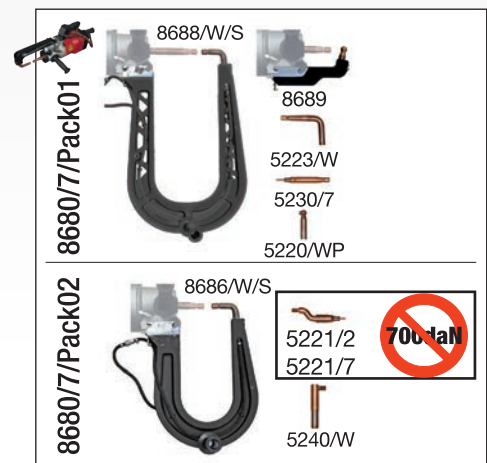
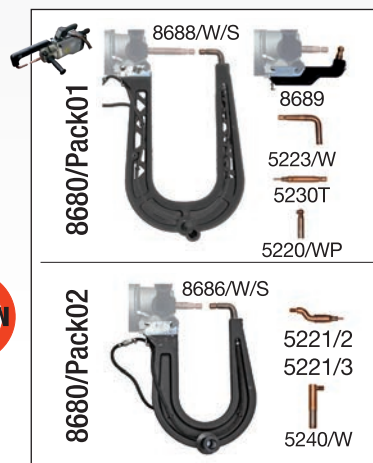
**MOLTIPLICATORE DI PRESSIONE**  
**AIR PRESSURE BOOSTER**  
**MULTIPLICADOR DE PRESIÓN**



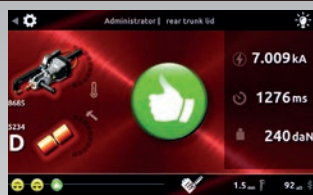
## 8691



## 8691/7



# 36EZ



Maximum welding power  
**14000 A**

TRAFLO GUN FULLY AUTOMATIC



23221/P



PROGRAMMA SOFTWARE  
PENDRIVE SOFTWARE PROGRAM  
PROGRAMA DE SOFTWARE

72000



3591





# 8679TS



**FORCE**  
**450**  
daN

**GYRO**  
**360°**  
SCOPE

**Smart**  
**PLUS**

# 8679TS7



**FORCE**  
**700**  
daN

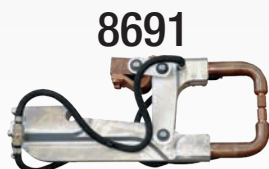
**GYRO**  
**360°**  
SCOPE

**Smart**  
**PLUS**

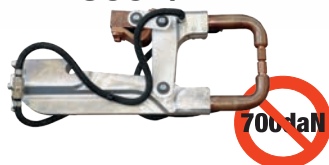
| <b>DATI TECNICI</b><br><b>TECHNICAL FEATURES</b><br><b>DATOS TÉCNICOS</b>  | <b>36EZ</b><br><b>8679TS</b>                          | <b>36EZ</b><br><b>8679TS7</b> | <b>36EZ</b><br><b>8679TS</b>                          | <b>36EZ</b><br><b>8679TS7</b> |
|--|---|-------------------------------|---|-------------------------------|
| Tensione d'alimentazione<br><i>Supply voltage - Fuente de alimentación</i>   | <b>*400 VACx3~50 Hz</b>                               |                               | <b>*220 VACx3~50/60 Hz</b>                            |                               |
| Fusibili di rete<br><i>Mains fuses - Fusibles de red</i>   | <b>32 A</b> - ritardato<br><i>delayed - retardado</i> |                               | <b>50 A</b> - ritardato<br><i>delayed - retardado</i> |                               |
| Corrente continua di saldatura<br><i>Welding current - Corriente de soldadura continua</i>                                       | <b>14.000 A</b>                                       |                               |   |                               |
| Serbatoio dell'acqua - contenuto<br><i>Content of the water tank - Tanque de agua - contenido</i>                                | <b>25 l</b>   |                               |   |                               |
| Dimensioni di altezza/larghezza/profondità<br><i>Dimensions height/width/depth</i><br><i>Tamaño altura / ancho / profundidad</i> | <b>259 / 76 / 119 cm</b>                              |                               |   |                               |
| Peso totale senza accessori<br><i>Total weight without accessories</i><br><i>Peso total sin accesorios</i>                       | <b>165 kg</b>   |                               |   |                               |
| Pinza "C"<br><i>"C" gun - Pinza "C"</i>  | <b>8679TS</b>   | <b>8679TS7</b>                | <b>8679TS</b>   | <b>8679TS7</b>                |
| Lunghezza dei cavi<br><i>Cables length - Longitud cables</i>   | <b>4 m</b>  | <b>4 m</b>                    | <b>6 m</b>  | <b>6 m</b>                    |
| Potenza nominale 50% ED<br><i>Nominal power 50% ED / Potencia nominal 50% ED</i>   | <b>19 kVA</b>   | <b>19 kVA</b>                 | <b>19 kVA</b>   | <b>19 kVA</b>                 |
| Potenza massima di saldatura<br><i>Maximum welding power / Potencia máxima de soldadura</i>                                      | <b>60 kVA</b>   | <b>60 kVA</b>                 | <b>60 kVA</b>   | <b>60 kVA</b>                 |
| Corrente termica 100%<br><i>Thermal current 100% / Corriente térmica 100%</i>  | <b>1,8 kA</b>   | <b>1,8 kA</b>                 | <b>1,8 kA</b>   | <b>1,8 kA</b>                 |
| Tensione a vuoto secondaria<br><i>No load secondary voltage / Tensión de vacío secundaria</i>                                    | <b>8,7 V</b>  | <b>8,7 V</b>                  | <b>8,7 V</b>  | <b>8,7 V</b>                  |
| Forza max. agli elettrodi a 8 bar<br><i>Max. electrode force at 8 bar</i><br><i>Fuerza max. a los electrodos a 8 bar</i>         | <b>450 daN</b>  | <b>700 daN</b>                | <b>450 daN</b>  | <b>700 daN</b>                |
| Sensore di riconoscimento<br><i>Recognition sensor / Sensor de reconocimiento</i>  | <b>S</b>  | <b>S</b>                      | <b>S</b>  | <b>S</b>                      |
| Peso della pinza senza bracci<br><i>Gun weight without arms - Peso pinza sin brazos</i>  | <b>12,5 kg</b>  | <b>12,5 kg</b>                | <b>12,5 kg</b>  | <b>12,5 kg</b>                |

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

**S = Smart Plus**



# 8691/7



**8680/Pack01**

8688/W/S

8689

5223/W

5230T

5220/WP

---

**8680/Pack02**

8686/W/S

5221/2

5221/3

5240/W

**8680/7/Pack01**

8688/W/S

8689

5223/W

5230/7

5220/WP

---

**8680/7/Pack02**

8686/W/S

5221/2

5221/7

5240/W

**700 daN** (with prohibition sign)

# TECNA®

Resistance Welding Systems & Balancers

[www.tecna.net](http://www.tecna.net)

Spot welding solutions



## 3680

“completamente automatica”



### 3465K SPOTTER



### 3546 INFRARED HEATER



### 3664P7

“completamente automatica”

I prodotti TECNA hanno ricevuto l'omologazione di diverse prestigiose case automobilistiche leader nel mondo



TE40t

L=100+150 mm

L=230+330 mm

L=480 mm

120 9.00 7.7

KA bar

Inverter

+20%

+10%

=

-10%

-20%

0.7 1 1.5 2 2.5 3

.028 .039 .059 .079 .098 .116

FeZn HSS T/DP Bor

1 2 3 4 5 6

15977

TRAFO GUN  
SEMI-AUTOMATIC



# 3646 HSS



UNITÀ DI CONTROLLO TE40t  
TE40t CONTROL UNIT  
UNIDAD DE CONTROL TE40t

Maximum welding power  
**13000 A**



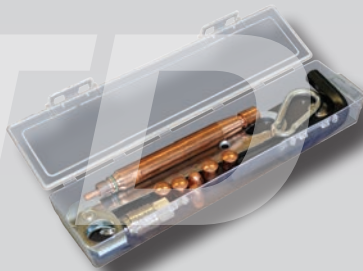
TRAFU GUN SEMI-AUTOMATIC

23221/P



PROGRAMMA SOFTWARE  
PENDRIVE SOFTWARE PROGRAM  
PROGRAMA DE SOFTWARE

72000



3591





# 8679H

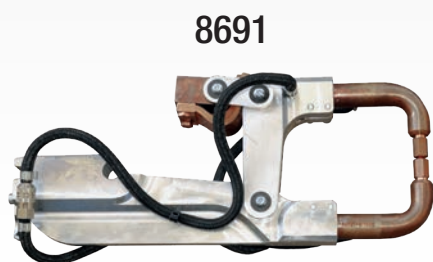


**FORCE**  
**450**  
daN

**GYRO**  
**360°**  
**SCOPE**

| <b>DATI TECNICI</b><br><b>TECHNICAL FEATURES</b><br><b>DATOS TÉCNICOS</b>  | <b>3646HSS</b><br><b>8679H</b>                        | <b>3646HSS</b><br><b>8679H</b>                        |
|--|---|---|
| Tensione d'alimentazione<br><i>Supply voltage - Fuente de alimentación</i>   | <b>*400 VACx3~50 Hz</b>                               | <b>*220 VACx3~50/60 Hz</b>                            |
| Fusibili di rete<br><i>Mains fuses - Fusibles de red</i>   | <b>16 A - ritardato</b><br><i>delayed - retardado</i> | <b>50 A - ritardato</b><br><i>delayed - retardado</i> |
| Corrente continua di saldatura<br><i>Welding current - Corriente de soldadura continua</i>                                       | <b>13.000 A</b>                                       | <b>13.000 A</b>                                       |
| Serbatoio dell'acqua - contenuto<br><i>Content of the water tank - Tanque de agua - contenido</i>                                | <b>36 l</b>   | <b>36 l</b>   |
| Dimensioni di altezza/larghezza/profondità<br><i>Dimensions height/width/depth</i><br><i>Tamaño altura / ancho / profundidad</i> | <b>100 / 61 / 83 cm</b>                               | <b>100 / 61 / 83 cm</b>                               |
| Peso totale senza accessori<br><i>Total weight without accessories</i><br><i>Peso total sin accesorios</i>                       | <b>96 kg</b>  | <b>96 kg</b>  |
| Pinza "C"<br><i>"C" gun - Pinza "C"</i>  | <b>8679H</b>  | <b>8679H</b>  |
| Lunghezza dei cavi<br><i>Cables length - Longitud cables</i>   | <b>4 m</b>  | <b>4 m</b>  |
| Potenza nominale 50% ED<br><i>Nominal power 50% ED / Potencia nominal 50% ED</i>   | <b>17,5 kVA</b>                                       | <b>17,5 kVA</b>                                       |
| Potenza massima di saldatura<br><i>Maximum welding power / Potencia máxima de soldadura</i>                                      | <b>55 kVA</b>   | <b>55 kVA</b>   |
| Corrente termica 100%<br><i>Thermal current 100% / Corriente térmica 100%</i>  | <b>1,8 kA</b>   | <b>1,8 kA</b>   |
| Tensione a vuoto secondaria<br><i>No load secondary voltage / Tensión de vacío secundaria</i>                                    | <b>7 V</b>  | <b>7 V</b>  |
| Forza max. agli elettrodi a 8 bar<br><i>Max. electrode force at 8 bar</i><br><i>Fuerza max. a los electrodos a 8 bar</i>         | <b>450 daN</b>  | <b>450 daN</b>  |
| Sensore di riconoscimento<br><i>Recognition sensor / Sensor de reconocimiento</i>  | -   | -   |
| Peso della pinza senza bracci<br><i>Gun weight without arms - Peso pinza sin brazos</i>  | <b>12,5 kg</b>  | <b>12,5 kg</b>  |

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido



**8691**

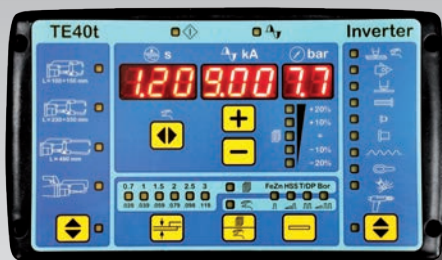
**8680/Pack01**



**8680/Pack02**



# 3645 HSS



UNITÀ DI CONTROLLO TE40t  
TE40t CONTROL UNIT  
UNIDAD DE CONTROL TE40t

Maximum welding power  
**10000 A**



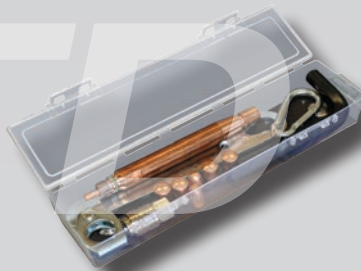
TRAFU GUN SEMI-AUTOMATIC

23221/P



PROGRAMMA SOFTWARE  
PENDRIVE SOFTWARE PROGRAM  
PROGRAMA DE SOFTWARE

72000



3591





# 8679H

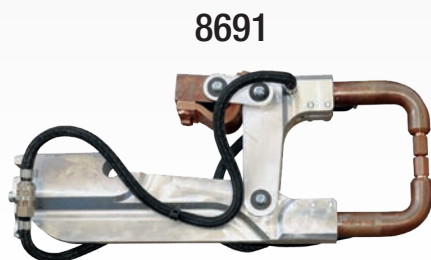


**FORCE**  
**450**  
daN

**GYRO**  
**360°**  
**SCOPE**

| <b>DATI TECNICI</b><br><b>TECHNICAL FEATURES</b><br><b>DATOS TÉCNICOS</b>  | <b>3645HSS</b><br><b>8679H</b>                        | <b>3645HSS</b><br><b>8679H</b>                        |
|--|---|---|
| Tensione d'alimentazione<br><i>Supply voltage - Fuente de alimentación</i>   | <b>*400 VACx3~50 Hz</b>                               | <b>*220 VACx3~50/60 Hz</b>                            |
| Fusibili di rete<br><i>Mains fuses - Fusibles de red</i>   | <b>16 A</b> - ritardato<br><i>delayed - retardado</i> | <b>40 A</b> - ritardato<br><i>delayed - retardado</i> |
| Corrente continua di saldatura<br><i>Welding current - Corriente de soldadura continua</i>                                       | <b>10.000 A</b>                                       | <b>10.000 A</b>                                       |
| Serbatoio dell'acqua - contenuto<br><i>Content of the water tank - Tanque de agua - contenido</i>                                | <b>36 l</b>   | <b>36 l</b>   |
| Dimensioni di altezza/larghezza/profondità<br><i>Dimensions height/width/depth</i><br><i>Tamaño altura / ancho / profundidad</i> | <b>100 / 63 / 83 cm</b>                               | <b>100 / 61 / 83 cm</b>                               |
| Peso totale senza accessori<br><i>Total weight without accessories</i><br><i>Peso total sin accesorios</i>                       | <b>85 kg</b>  | <b>96 kg</b>  |
| Pinza "C"<br><i>"C" gun - Pinza "C"</i>  | <b>8679H</b>  | <b>8679H</b>  |
| Lunghezza dei cavi<br><i>Cables length - Longitud cables</i>   | <b>4 m</b>  | <b>4 m</b>  |
| Potenza nominale 50% ED<br><i>Nominal power 50% ED / Potencia nominal 50% ED</i>   | <b>17,5 kVA</b>                                       | <b>17,5 kVA</b>                                       |
| Potenza massima di saldatura<br><i>Maximum welding power / Potencia máxima de soldadura</i>                                      | <b>55 kVA</b>   | <b>55 kVA</b>   |
| Corrente termica 100%<br><i>Thermal current 100% / Corriente térmica 100%</i>  | <b>1,8 kA</b>   | <b>1,8 kA</b>   |
| Tensione a vuoto secondaria<br><i>No load secondary voltage / Tensión de vacío secundaria</i>                                    | <b>7 V</b>  | <b>7 V</b>  |
| Forza max. agli elettrodi a 8 bar<br><i>Max. electrode force at 8 bar</i><br><i>Fuerza max. a los electrodos a 8 bar</i>         | <b>450 daN</b>  | <b>450 daN</b>  |
| Sensore di riconoscimento<br><i>Recognition sensor / Sensor de reconocimiento</i>  | -   | -   |
| Peso della pinza senza bracci<br><i>Gun weight without arms - Peso pinza sin brazos</i>  | <b>12,5 kg</b>  | <b>12,5 kg</b>  |

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

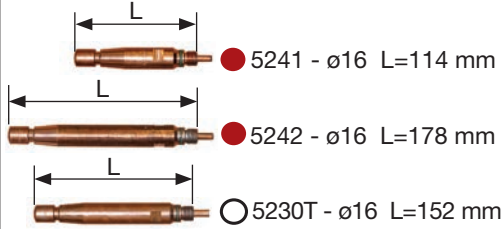


**8691**

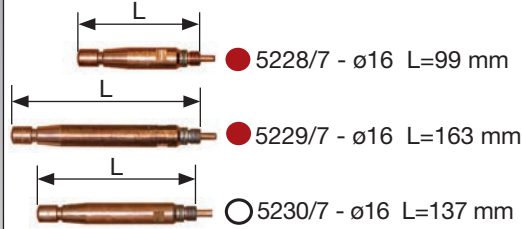


BRACCI/ELETTRODI - ARMS/ELECTRODES - BRAZOS/ELECTRODOS

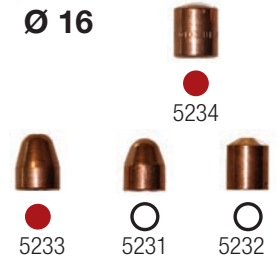
8679H | 8679TS



8679TS7



$\varnothing$  16



● STANDARD

○ A RICHIESTA - ON DEMAND - A SOLICITUD

5233/C

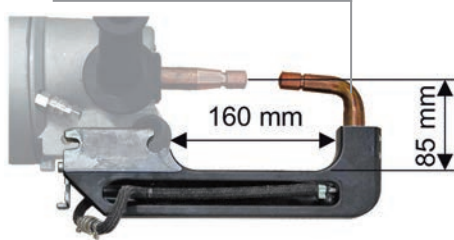
5234/C

5235K



5227/W- $\varnothing$ 16 mm

● 8685/W/S

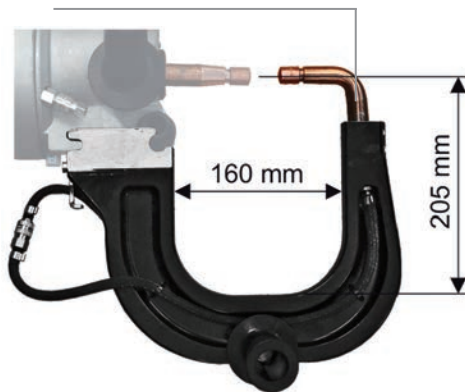


○ 8688/W/S

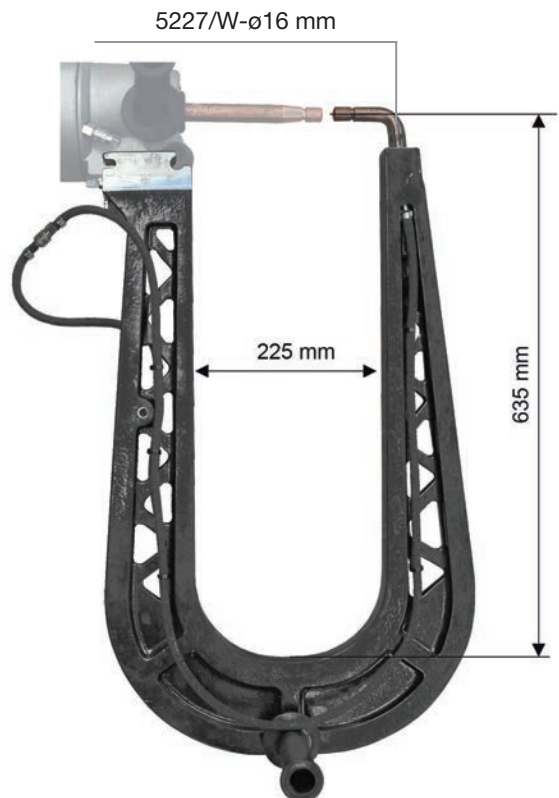


5227/W- $\varnothing$ 16 mm

○ 8684/W/S

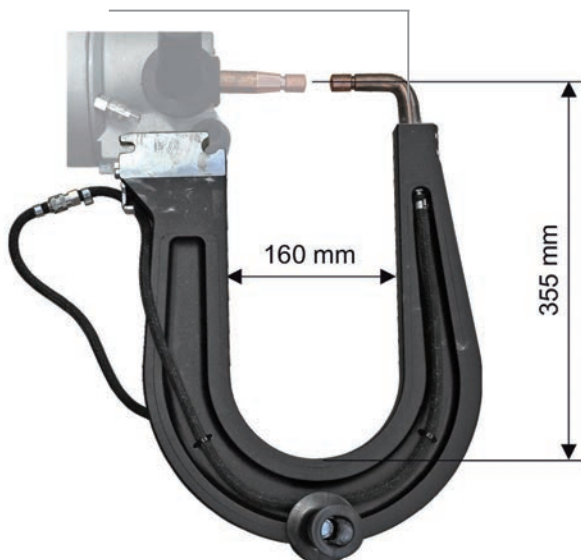


○ 8687/W/S



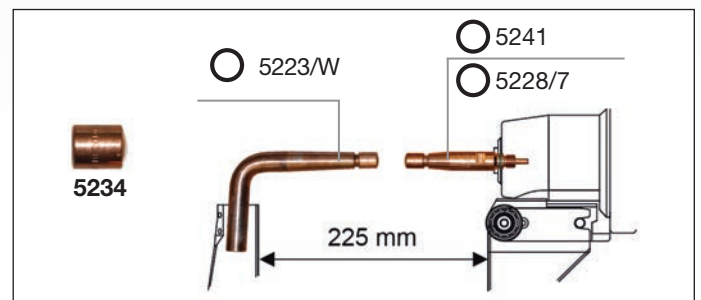
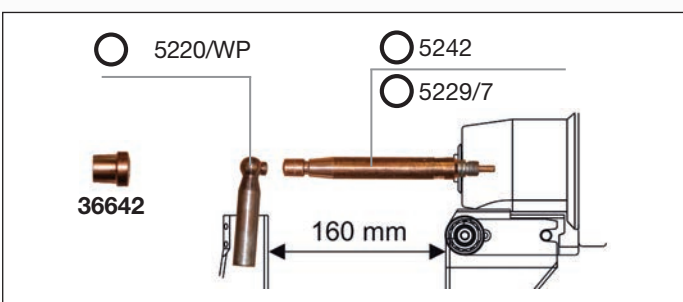
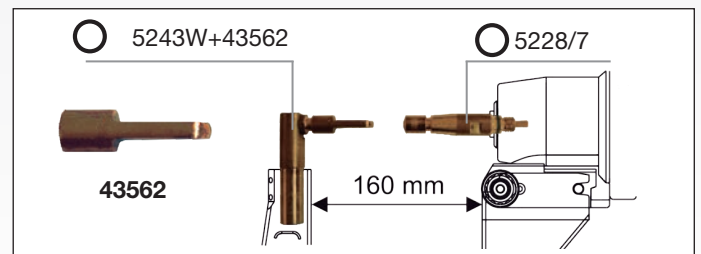
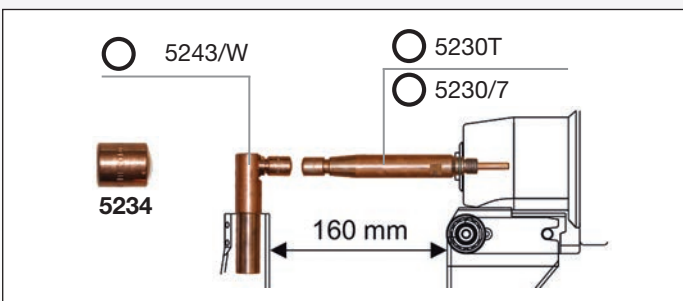
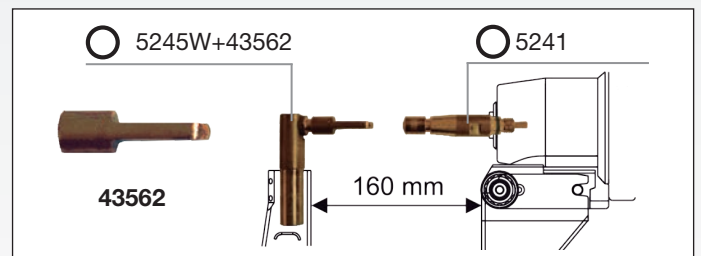
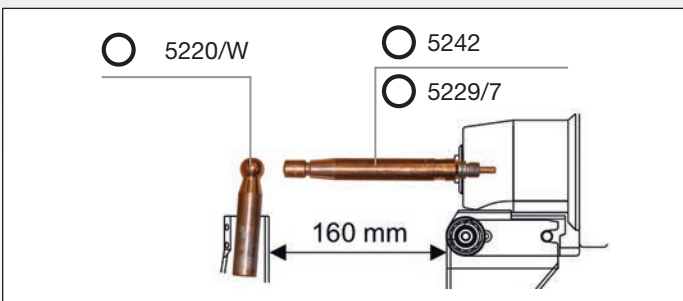
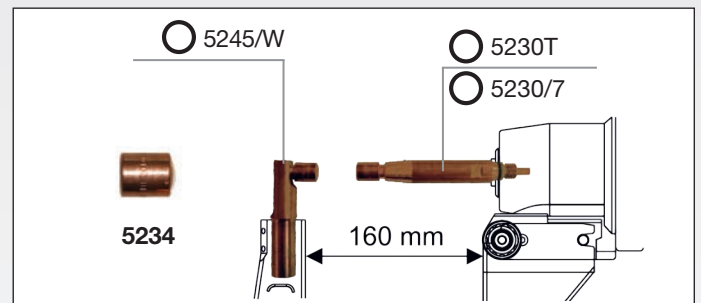
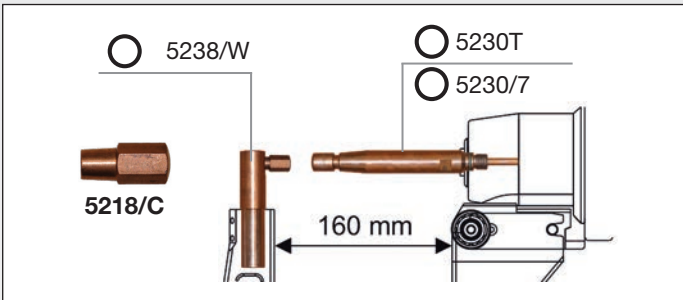
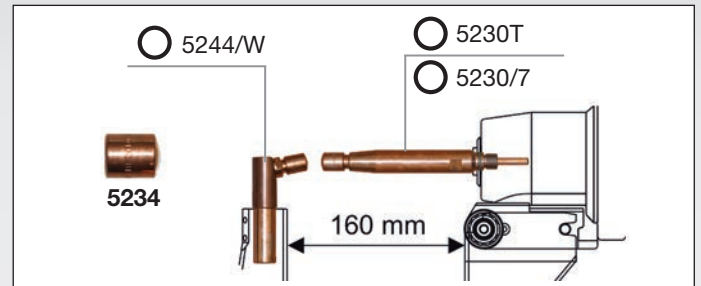
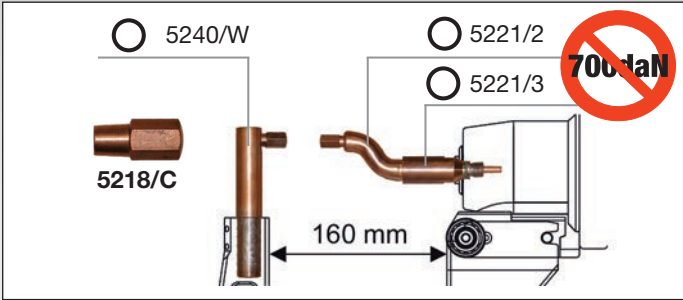
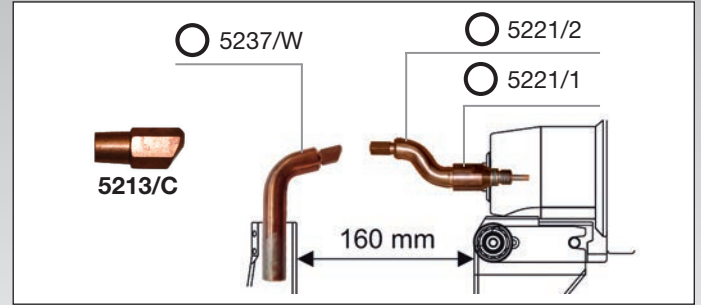
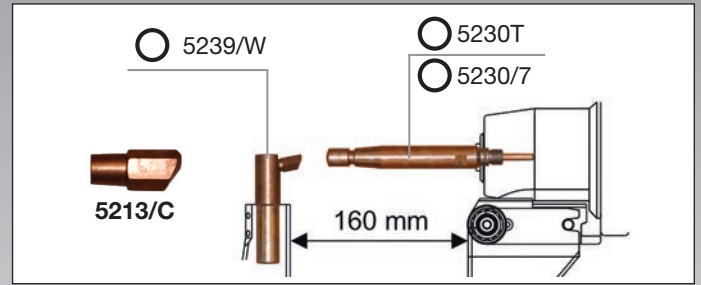
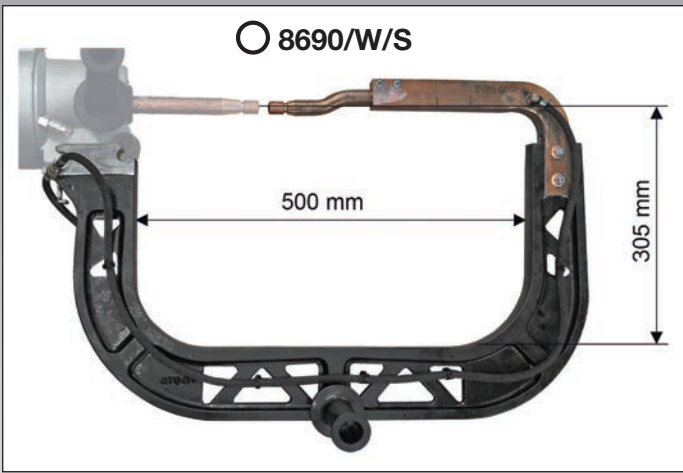
5227/W- $\varnothing$ 16 mm

○ 8686/W/S

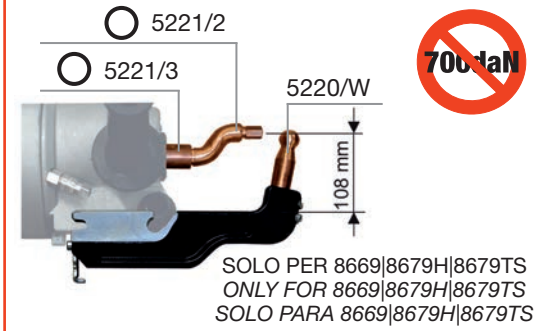
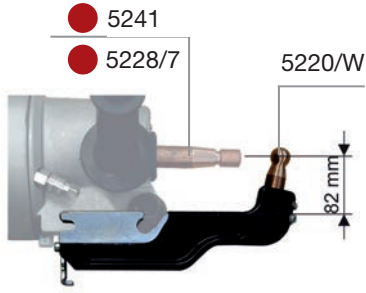


ARMS - ELECTRODES





○ 8689 - 8689/W



SOLO PER 8669|8679H|8679TS  
 ONLY FOR 8669|8679H|8679TS  
 SOLO PARA 8669|8679H|8679TS

OPZIONALI PER 5221/2  
 OPTIONAL FOR 5221/2  
 OPCIONAL PARA 5221/2



● STANDARD ○ A RICHIESTA - ON DEMAND - A SOLICITUD

**8680/Pack01**

8688/W/S

8689

5223/W

5230T

5220/WP

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**8680/Pack02**

8686/W/S

5221/2  
5221/3

5240/W

**8680/Pack01**

8688/W/S

8689

5223/W

5230/7

5220/WP

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**8680/Pack02**

8686/W/S

5221/2  
5221/7

5240/W

8678T

Ø 16

5234 5233 5231 5232

028 mm G=100 mm 028 mm

130 mm

40 mm

L

L = 120 mm 5260 - 6 bar 590daN  
 L = 155 mm 5261 - 6 bar 485daN  
 L = 255 mm 5262 - 6 bar 300daN  
 L = 355 mm 5263 - 5 bar 180daN  
 L = 505 mm 5264 - 5 bar 125daN

028 mm G=100 mm 028 mm

50 mm

L

L = 250 mm 5268  
 L = 350 mm 5269  
 L = 505 mm 5270

028 mm G=102 mm 028 mm

56 mm

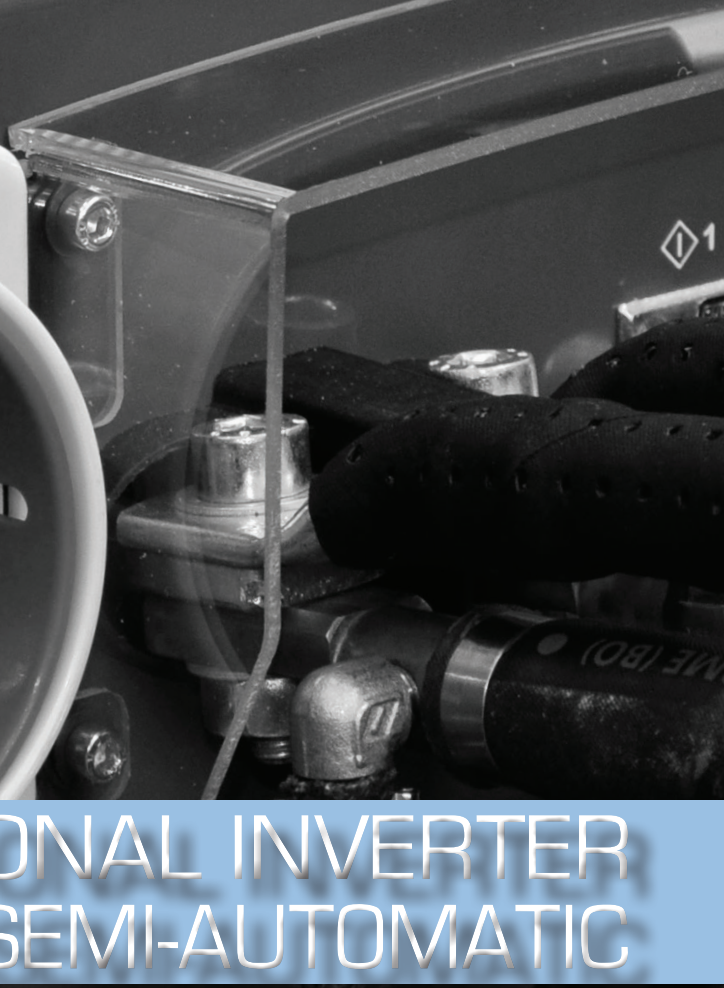
L = 275 mm 5271

028 mm G=102 mm 028 mm

56 mm

L = 270 mm 5272





TRADITIONAL INVERTER  
SEMI-AUTOMATIC



# 3655E2



UNITÀ DI CONTROLLO TE40i  
TE40i CONTROL UNIT  
UNIDAD DE CONTROL TE40i

Maximum welding power  
**13000 A**



23221

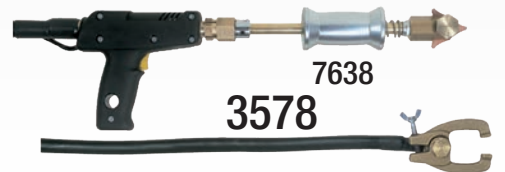


SALVATAGGIO DATI  
DATA STORAGE  
ALMACENAMIENTO DE LOS DATO

7637



3575



7638

3578

PISTOLA MULTIFUNZIONE  
MULTIFUNCTION GUN  
PISTOLA MULTIFUNCION



8669/7



**FORCE**  
**700**  
daN

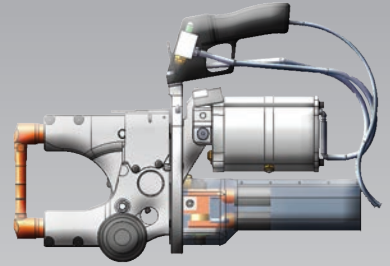
**GYRO**  
**360°**  
SCOPE

8677



**FORCE**  
**240**  
daN

8678



**FORCE**  
**610**  
daN

**GYRO**  
**360°**  
SCOPE

Forza/bracci vedi pag. 33  
Arms/force see pag. 33  
Fuerza/armas ver pag. 33

**DATI TECNICI**  
**TECHNICAL FEATURES**  
**DATOS TÉCNICOS**

3655E2

Tensione d'alimentazione  
Supply voltage - Fuente de alimentación

\*400 VACx3-50 Hz

Protezione di rete (ritardati)  
Mains protection (delayed) / Protección principal (retardados)

50 A - ritardato  
delayed - retardado

Potenza nominale 50% ED  
Nominal Power 50% ED / Potencia nominal al 50% ED

25 kVA

Potenza massima di saldatura  
Maximum welding power / La potencia máxima de soldadura

190 kVA

Corrente secondaria massima  
Maximum secondary current / Corriente secundaria máxima

13000 A

Corrente termica 100%  
Thermal current 100% / Corriente térmica 100%

1,25 kA

Tensione a vuoto secondaria  
No load secondary voltage / Voltaje de circuito abierto secundaria

16 V

Tempo di saldatura  
Weld time / Tiempo de soldadura

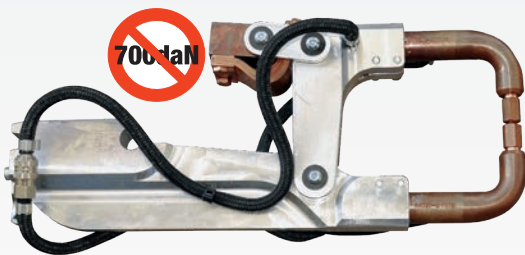
0,01 ÷ 2 s

Peso  
Weight / Peso

150 kg

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

8691/7



7639

(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)



8680/7/Pack01



8680/7/Pack02



# 3650E CF20



TRADITIONAL INVERTER SEMI-AUTOMATIC

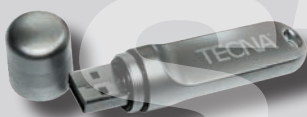


UNITÀ DI CONTROLLO TE40i  
TE40i CONTROL UNIT  
UNIDAD DE CONTROL TE40i

Maximum welding power  
**9000 A**



23221



SALVATAGGIO DATI  
DATA STORAGE  
ALMACENAMIENTO DE LOS DATO

7637



3575



7638  
3578

PISTOLA MULTIFUNZIONE  
MULTIFUNCTION GUN  
PISTOLA MULTIFUNCION



8669



**FORCE**  
**450**  
daN

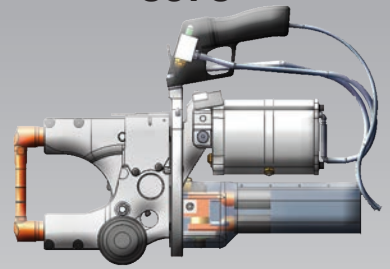
**GYRO**  
**360°**  
**SCOPE**

8677



**FORCE**  
**240**  
daN

8678



**FORCE**  
**610**  
daN

**GYRO**  
**360°**  
**SCOPE**

Forza/bracci vedi pag. 33  
Arms/force see pag. 33  
Fuerza/armas ver pag. 33

**DATI TECNICI**  
**TECHNICAL FEATURES**  
**DATOS TÉCNICOS**

3650ECF20

|   |   |
|---|---|
| Tensione d'alimentazione<br>Supply voltage - Fuente de alimentación                               | *400 VACx3-50 Hz                        |
| Protezione di rete (ritardati)<br>Mains protection (delayed) / Protección principal (retardados)  | 35 A - ritardato<br>delayed - retardado |
| Potenza nominale 50% ED<br>Nominal Power 50% ED / Potencia nominal al 50% ED                      | 25 kVA                                  |
| Potenza massima di saldatura<br>Maximum welding power / La potencia máxima de soldadura           | 125 kVA                                 |
| Corrente secondaria massima<br>Maximum secondary current / Corriente secundaria máxima            | 9000 A                                  |
| Corrente termica 100%<br>Thermal current 100% / Corriente térmica 100%                            | 1,25 kA                                 |
| Tensione a vuoto secondaria<br>No load secondary voltage / Voltaje de circuito abierto secundaria | 15 V                                    |
| Tempo di saldatura<br>Weld time / Tiempo de soldadura   | 0,01 ÷ 2 s                              |
| Peso<br>Weight / Peso   | 150 kg                                  |

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

8691



7639



(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)

8680/Pack01



8688/W/S



8689



5223/W



5230T



5220/WP

8680/Pack02



8686/W/S



5221/2

5221/3



5240/W

# 3655 LCC



TRADITIONAL INVERTER SEMI-AUTOMATIC



UNITÀ DI CONTROLLO TE40i  
TE40i CONTROL UNIT  
UNIDAD DE CONTROL TE40i

Maximum welding power  
**13000 A**



23221

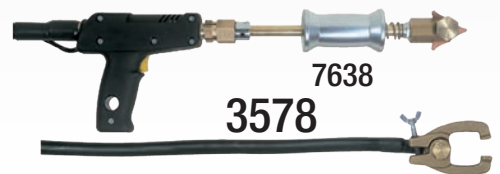


SALVATAGGIO DATI  
DATA STORAGE  
ALMACENAMIENTO DE LOS DATO

7637



3575



7638  
3578

PISTOLA MULTIFUNZIONE  
MULTIFUNCTION GUN  
PISTOLA MULTIFUNCION



8669

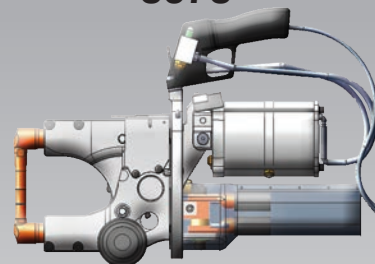

**FORCE**  
**450**  
 daN

**GYRO**  
**360°**  
**SCOPE**

8677


**FORCE**  
**240**  
 daN

8678


**FORCE**  
**610**  
 daN

**GYRO**  
**360°**  
**SCOPE**

 Forza/bracci vedi pag. 33  
 Arms/force see pag. 33  
 Fuerza/armas ver pag. 33

**DATI TECNICI**  
**TECHNICAL FEATURES**  
**DATOS TÉCNICOS**

3655LCC

 Tensione d'alimentazione  
 Supply voltage - Fuente de alimentación

\*400 VACx3-50 Hz

 Protezione di rete (ritardati)  
 Mains protection (delayed) / Protección principal (retardados)
50 A - ritardato  
delayed - retardado
 Potenza nominale 50% ED  
 Nominal Power 50% ED / Potencia nominal al 50% ED

25 kVA

 Potenza massima di saldatura  
 Maximum welding power / La potencia máxima de soldadura

190 kVA

 Corrente secondaria massima  
 Maximum secondary current / Corriente secundaria máxima

13000 A

 Corrente termica 100%  
 Thermal current 100% / Corriente térmica 100%

1,25 kA

 Tensione a vuoto secondaria  
 No load secondary voltage / Voltaje de circuito abierto secundaria

16 V

 Tempo di saldatura  
 Weld time / Tiempo de soldadura

0,01 ÷ 2 s

 Peso  
 Weight / Peso

150 kg

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

8691



7639


 (A RICHIESTA)  
 (ON DEMAND)  
 (A SOLICITUD)

8680/Pack01



8688/W/S



8689



5223/W



5230T



5220/WP

8680/Pack02



8686/W/S



5221/2



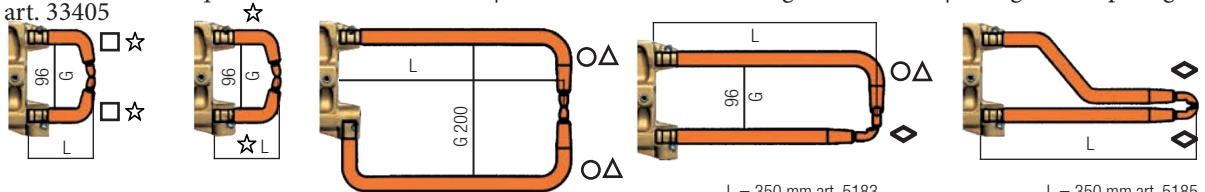
5221/3



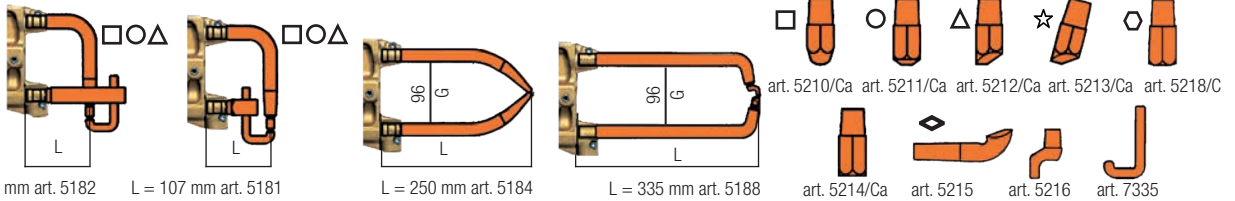
5240/W

8677

Ø 20 mm - Raffreddati ad acqua con boccole art. 33405 | Water-cooled with bushings items 33405 | Refrigeración por agua con casquillos art. 33405



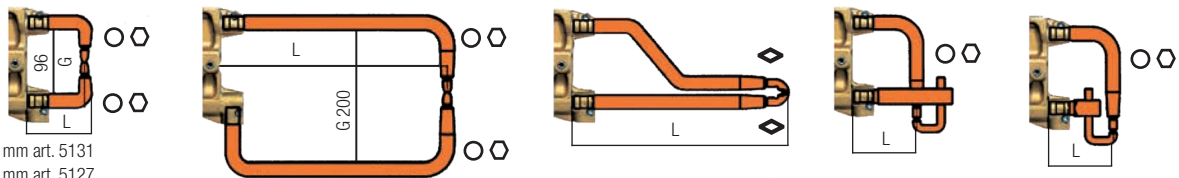
L = 107 mm art. 5121    L = 332 mm art. 5124    L = 350 mm art. 5134    L = 350 mm art. 5183    L = 350 mm art. 5185  
 L = 152 mm art. 5122    L = 483 mm art. 5125    L = 550 mm art. 5136    L = 250 mm art. 5186



L = 107 mm art. 5182    L = 107 mm art. 5181    L = 250 mm art. 5184    L = 335 mm art. 5188    art. 5210/Ca art. 5211/Ca art. 5212/Ca art. 5213/Ca art. 5218/C  
 art. 5214/Ca art. 5215 art. 5216 art. 7335

Ø 22 mm - Raffreddati ad acqua | Water-cooled | Refrigeración por agua

Confezione da 12 pezzi | Set of 12 pieces | Estuche de 12 piezas

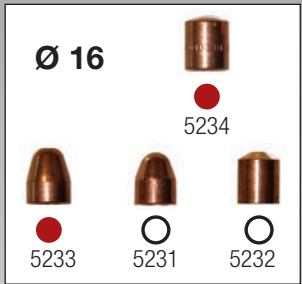
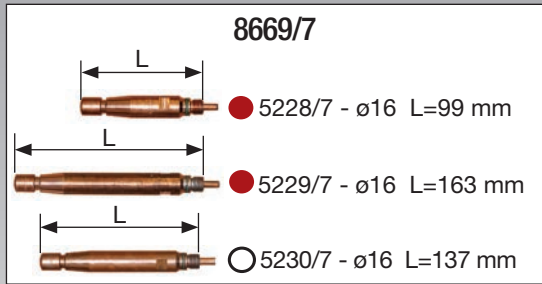
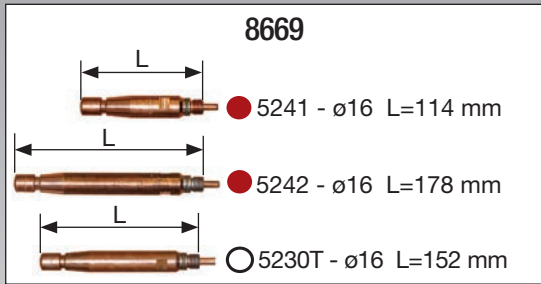


L = 107 mm art. 5131    L = 152 mm art. 5127    L = 232 mm art. 5128    L = 332 mm art. 5129    L = 483 mm art. 5130  
 L = 350 mm art. 5137    L = 250 mm art. 5187    L = 107 mm art. 5192    L = 107 mm art. 5191

MAX 6 bar

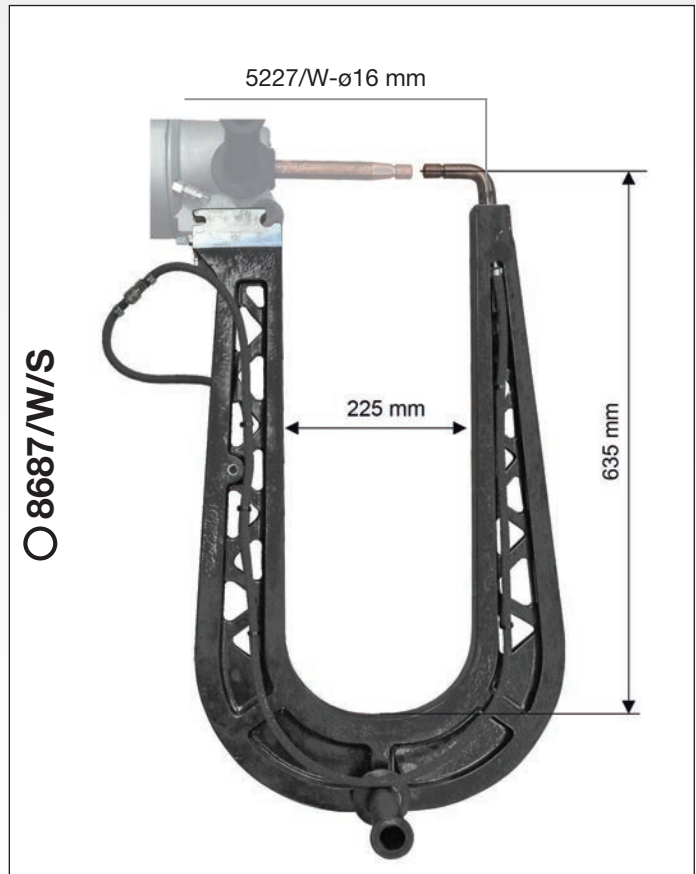
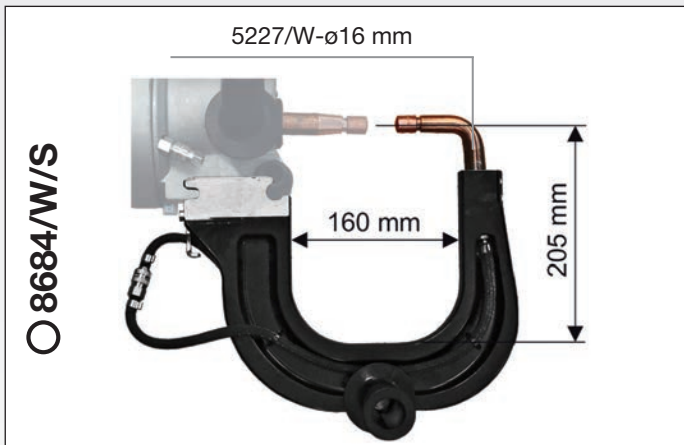
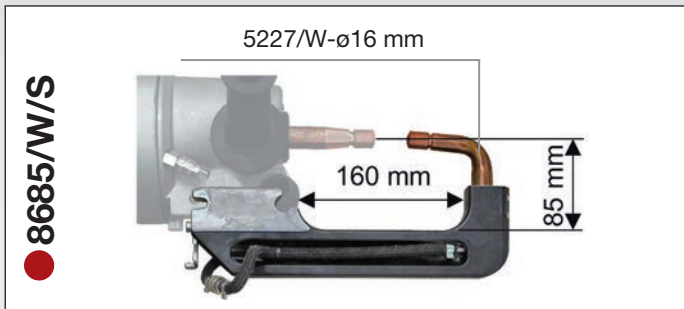
MAX 8 bar

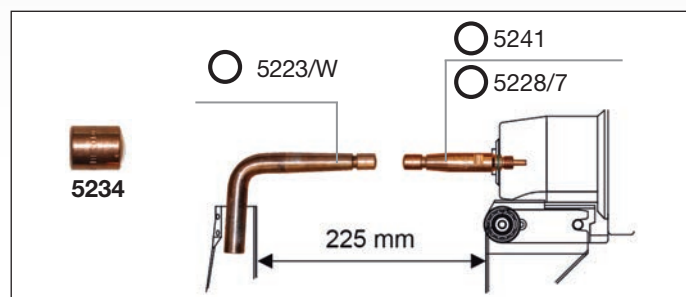
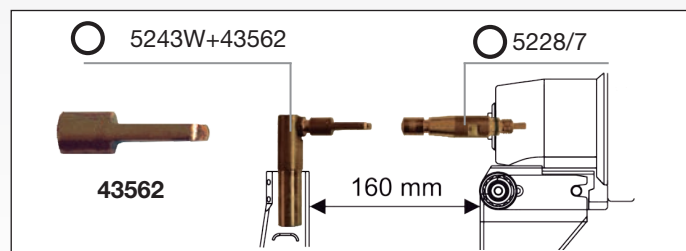
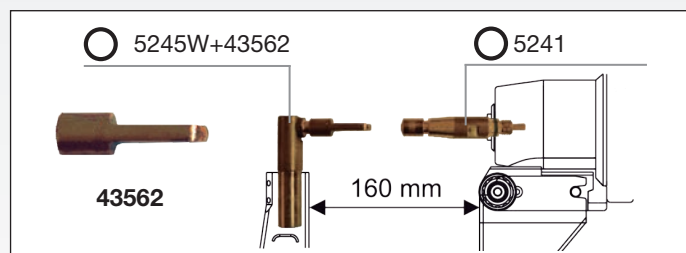
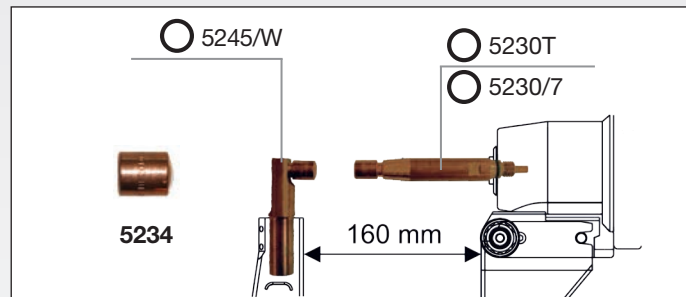
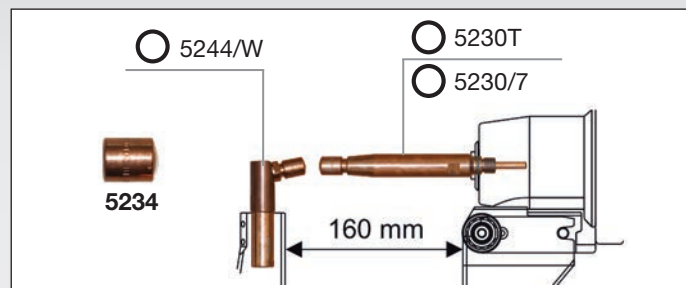
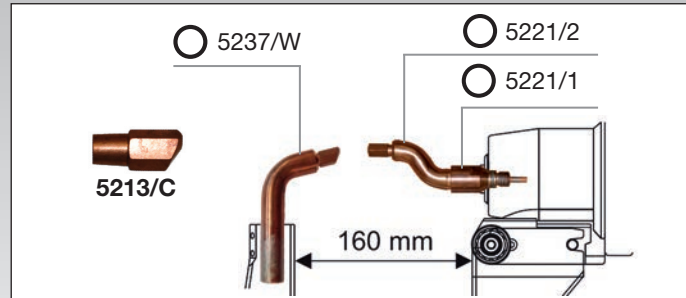
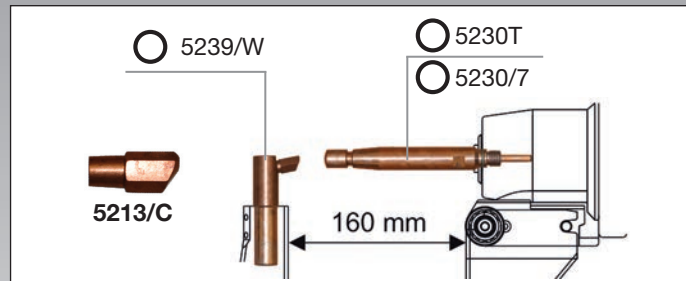
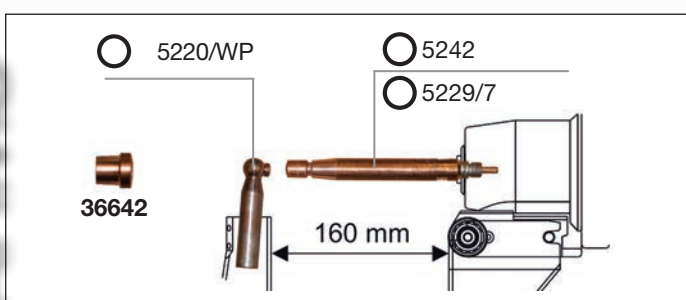
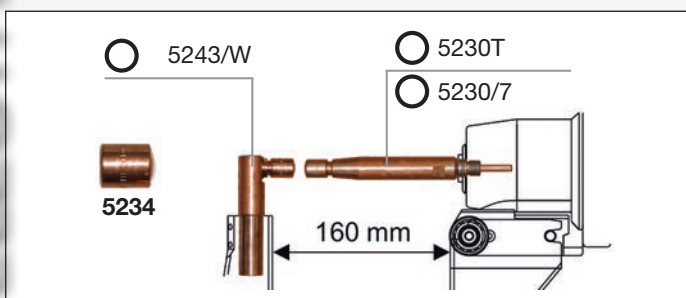
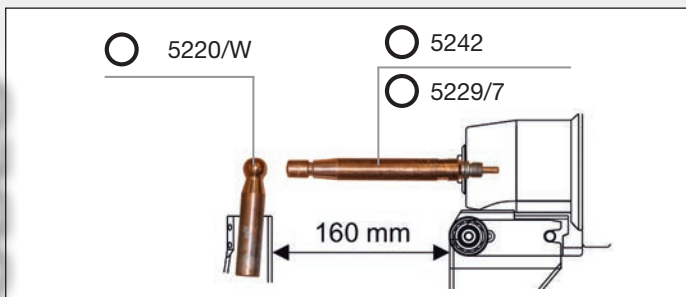
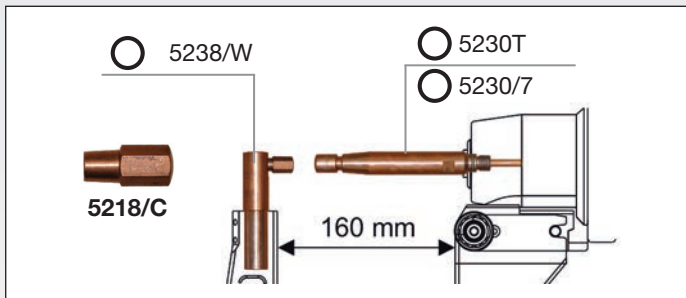
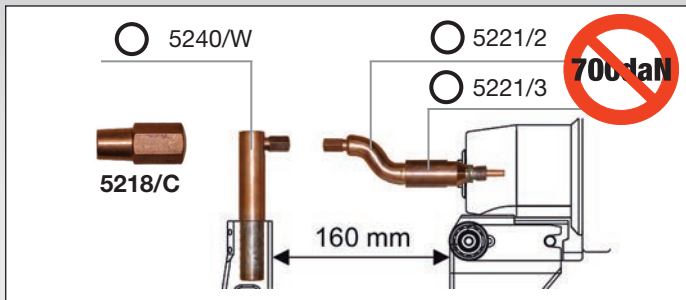




● STANDARD

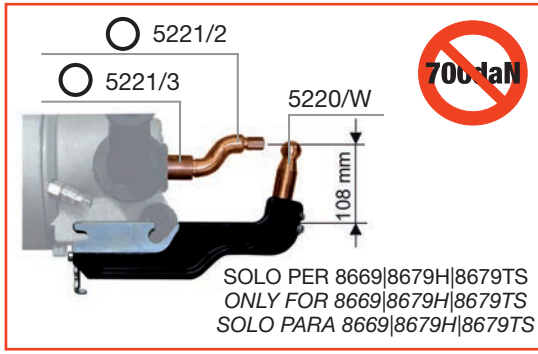
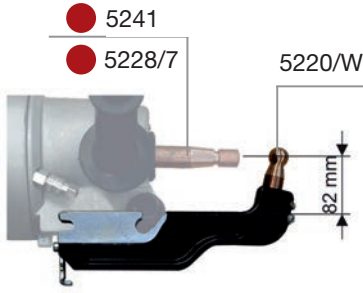
○ A RICHIESTA - ON DEMAND - A SOLICITUD







○ 8689 - 8689/W



OPZIONALI PER 5221/2  
OPTIONAL FOR 5221/2  
OPCIONAL PARA 5221/2



● STANDARD ○ A RICHIESTA - ON DEMAND - A SOLICITUD

**8680/Pack01**

8688/W/S

8689  
5223/W  
5230T  
5220/WP

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**8680/Pack02**

8686/W/S

5221/2  
5221/3  
5240/W

**8680/7/Pack01**

8688/W/S

8689  
5223/W  
5230/7  
5220/WP

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**8680/7/Pack02**

8686/W/S

5221/2  
5221/7  
5240/W

8678

Ø 16

5234 5233 5231 5232

Ø28 mm G=100 mm Ø28 mm  
L = 250 mm 5268  
L = 350 mm 5269  
L = 505 mm 5270

Ø28 mm G=102 mm Ø28 mm  
L = 275 mm 5271

Ø28 mm G=102 mm Ø28 mm  
L = 270 mm 5272

30033

56 mm

56 mm

130 mm

40 mm

L

56 mm

56 mm

56 mm

# TECNA®

Resistance Welding Systems & Balancers

[www.tecna.net](http://www.tecna.net)

Spot welding solutions

3546  
RISCALDATORE  
INFRAROSSI  
INFRARED HEATER



3465K  
SPOTTER



3664P7  
"completamente automatica"



3680  
"completamente automatica"

I prodotti TECNA hanno ricevuto l'omologazione di diverse prestigiose case automobilistiche leader nel mondo





SINGLE PHASE  
SEMI-AUTOMATIC



# 3450



(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)



UNITÀ DI CONTROLLO TE95  
TE95 CONTROL UNIT  
UNIDAD DE CONTROL TE95

Maximum welding power  
**8000 A**



7637



8075

7638

3469

PISTOLA MULTIFUNZIONE  
MULTIFUNCTION GUN  
PISTOLA MULTIFUNCIÓN

SINGLE PHASE SEMI-AUTOMATIC



3696



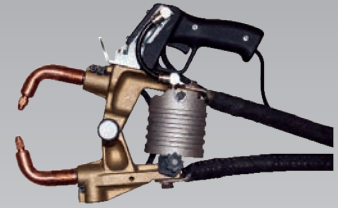
**FORCE**  
**80**  
daN(max)

8672/S1



**FORCE**  
**150**  
daN

8676



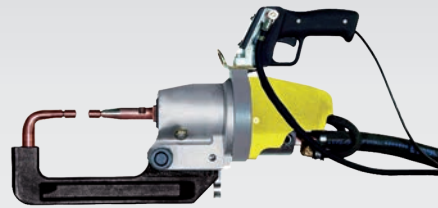
**FORCE**  
**190**  
daN

8677



**FORCE**  
**240**  
daN

8659



**FORCE**  
**320**  
daN

**GYRO**  
**360°**  
**SCOPE**

**DATI TECNICI**  
**TECHNICAL FEATURES**  
**DATOS TÉCNICOS**

3450

Tensione d'alimentazione  
Supply voltage - Fuente de alimentación

\*400 VAC~50 Hz

Protezione di rete (ritardati)  
Mains protection (delayed) / Protección principal (retardados)

25 A - ritardato  
delayed - retardado

Potenza nominale 50% ED  
Nominal Power 50% ED / Potencia nominal al 50% ED

10 kVA

Potenza massima di saldatura  
Maximum welding power / La potencia máxima de soldadura

50 kVA

Corrente secondaria massima  
Maximum secondary current / Corriente secundaria máxima

8000 A

Corrente termica 100%  
Thermal current 100% / Corriente térmica 100%

0,88 kA

Tensione a vuoto secondaria  
No load secondary voltage / Voltaje de circuito abierto secundaria

8 V

Tempo di saldatura  
Weld time / Tiempo de soldadura

1 ÷ 99 cicli

Peso  
Weight / Peso

105 kg

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

7639



(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)

8675



GRUPPO DI RAFFREDDAMENTO (A RICHIESTA)  
COOLING SYSTEM (ON DEMAND)  
MÓDULO DE REFRIGERACIÓN (A SOLICITUD)

3487W



(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)



Maximum welding power  
**6400 A**



SINGLE PHASE SEMI-AUTOMATIC

7637



8075



7638

3469



PISTOLA MULTIFUNZIONE  
MULTIFUNCTION GUN  
PISTOLA MULTIFUNCION



**3696**

**FORCE**  
**80**  
daN(max)

**8672/S1**

**FORCE**  
**150**  
daN

**8676**

**FORCE**  
**190**  
daN

**8677**

**FORCE**  
**240**  
daN

**DATI TECNICI**  
**TECHNICAL FEATURES**  
**DATOS TÉCNICOS**

**3487/W**

Tensione d'alimentazione  
Supply voltage - Fuente de alimentación

**\*400 VAC~50 Hz**

Protezione di rete (ritardati)  
Mains protection (delayed) / Protección principal (retardados)

**25 A - ritardato  
delayed - retardado**

Potenza nominale 50% ED  
Nominal Power 50% ED / Potencia nominal al 50% ED

**8 kVA**

Potenza massima di saldatura  
Maximum welding power / La potencia máxima de soldadura

**35 kVA**

Corrente secondaria massima  
Maximum secondary current / Corriente secundaria máxima

**6400 A**

Corrente termica 100%  
Thermal current 100% / Corriente térmica 100%

**0,88 kA**

Tensione a vuoto secondaria  
No load secondary voltage / Voltaje de circuito abierto secundaria

**7 V**

Tempo di saldatura  
Weld time / Tiempo de soldadura

**1 ÷ 99 cicli**

Peso  
Weight / Peso

**105 kg**

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

**7639**

(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)

**8675**

GRUPPO DI RAFFREDDAMENTO (A RICHIESTA)  
COOLING SYSTEM (ON DEMAND)  
MÓDULO DE REFRIGERACIÓN (A SOLICITUD)

3484

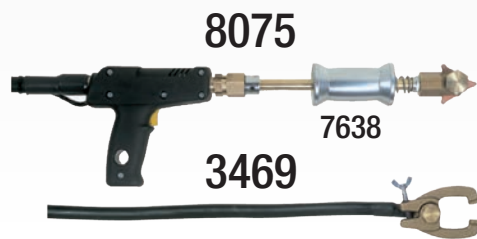
SINGLE PHASE SEMI-AUTOMATIC



Maximum welding power  
**6400 A**



7637



8075

7638

3469

PISTOLA MULTIFUNZIONE  
MULTIFUNCTION GUN  
PISTOLA MULTIFUNCION

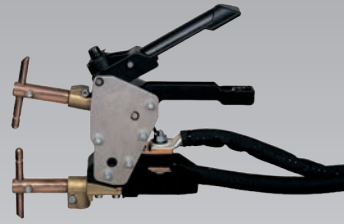


3696



**FORCE**  
**80**  
daN(max)

3491



**FORCE**  
**120**  
daN(max)

**DATI TECNICI**  
**TECHNICAL FEATURES**  
**DATOS TÉCNICOS**

3484

Tensione d'alimentazione  
Supply voltage - Fuente de alimentación

\*400 VAC~50 Hz

Protezione di rete (ritardati)  
Mains protection (delayed) / Protección principal (retardados)

25 A - ritardato  
delayed - retardado

Potenza nominale 50% ED  
Nominal Power 50% ED / Potencia nominal al 50% ED

8 kVA

Potenza massima di saldatura  
Maximum welding power / La potencia máxima de soldadura

35 kVA

Corrente secondaria massima  
Maximum secondary current / Corriente secundaria máxima

6400 A

Corrente termica 100%  
Thermal current 100% / Corriente térmica 100%

0,88 kA

Tensione a vuoto secondaria  
No load secondary voltage / Voltaje de circuito abierto secundaria

7 V

Tempo di saldatura  
Weld time / Tiempo de soldadura

1 ÷ 99 cicli

Peso  
Weight / Peso

85 kg

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

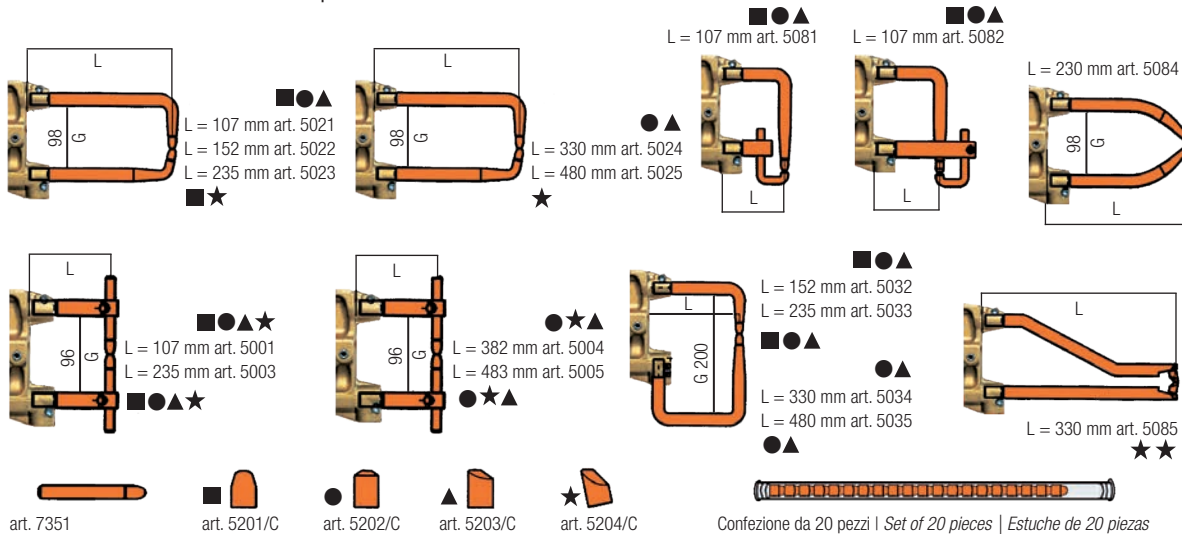
7639



(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)

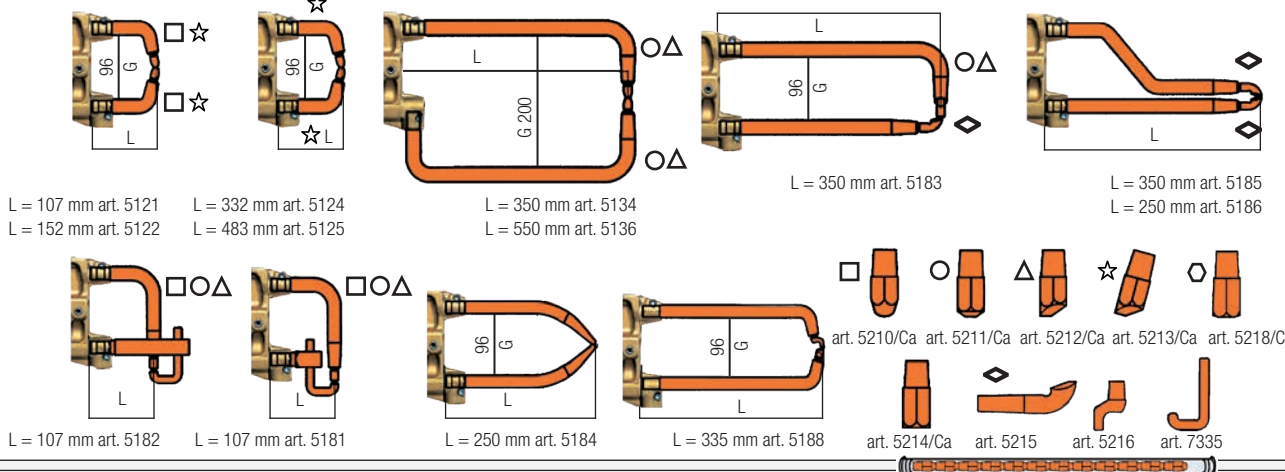
3491 | 8672/S1 | 8676 | 8677

Ø 18 mm - Raffreddati ad aria | Air-cooled | Refrigeración por aire



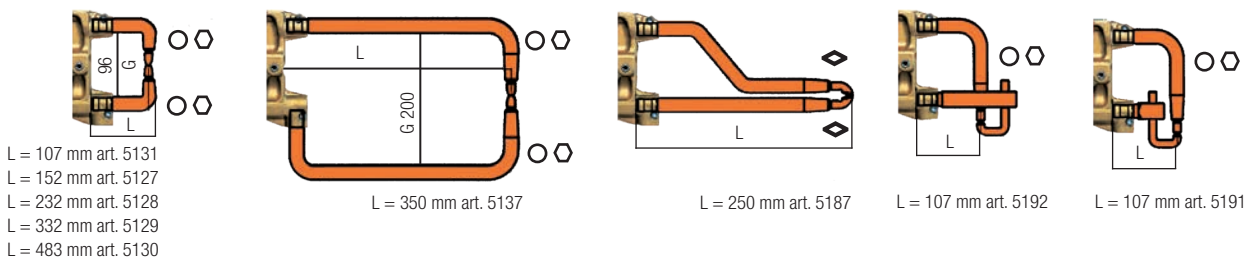
MAX 6 bar

Ø 20 mm - Raffreddati ad acqua con boccole art. 33405 | Water-cooled with bushings items 33405 | Refrigeración por agua con casquillos art. 33405



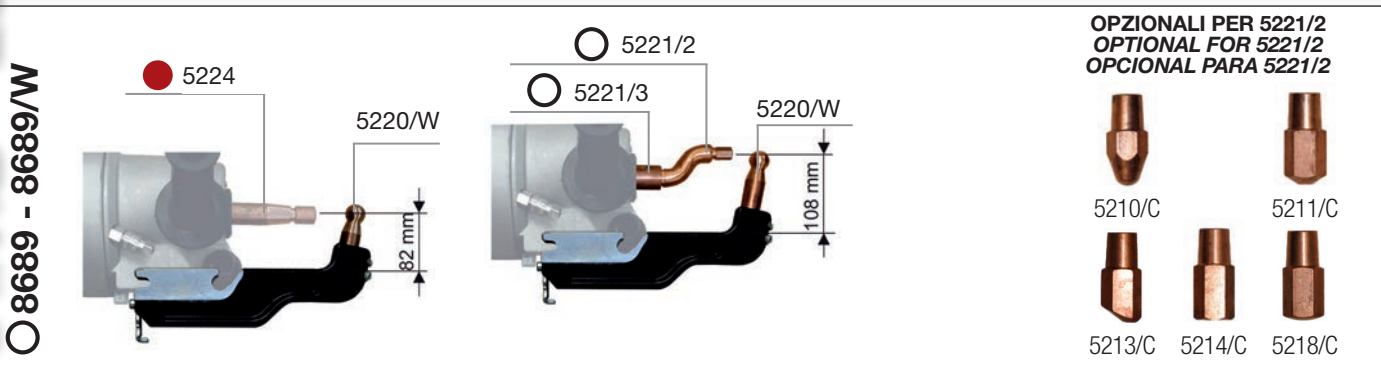
MAX 6 bar

Ø 22 mm - Raffreddati ad acqua | Water-cooled | Refrigeración por agua



MAX 8 bar

8659

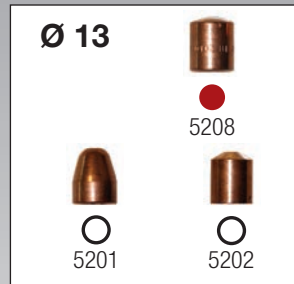
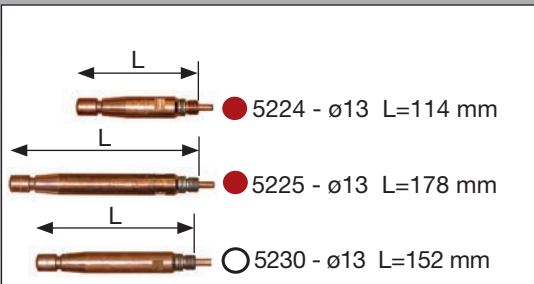


Ø 8689 - 8689/W

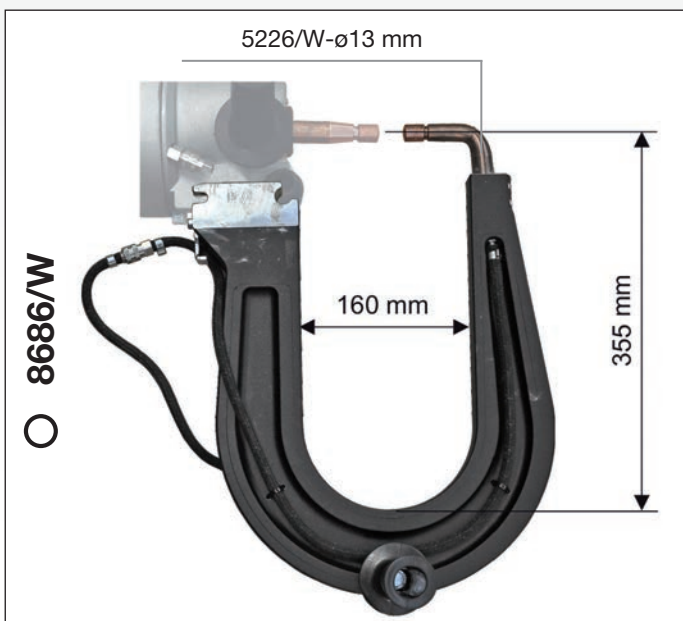
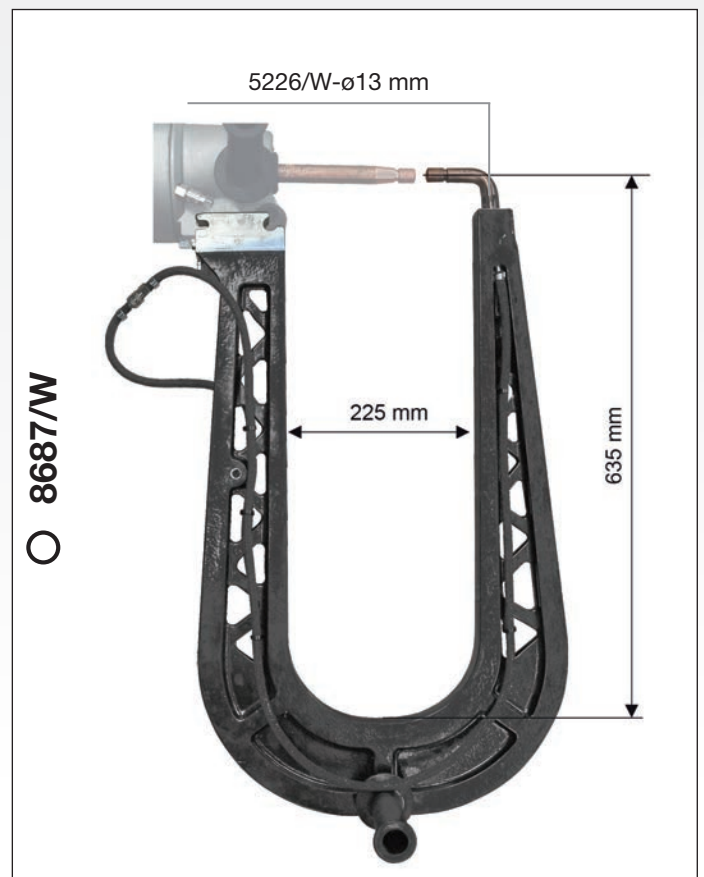
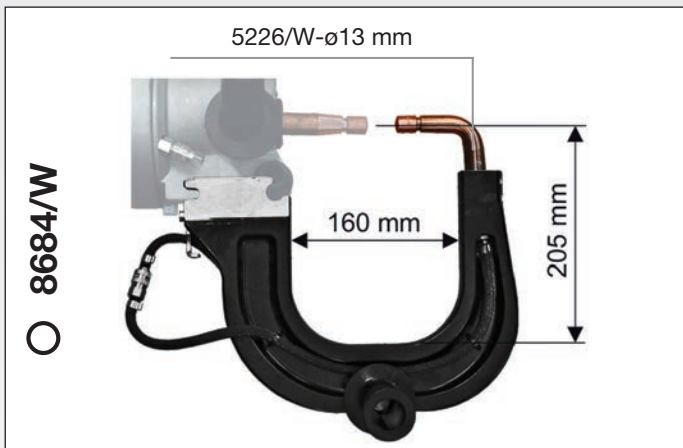
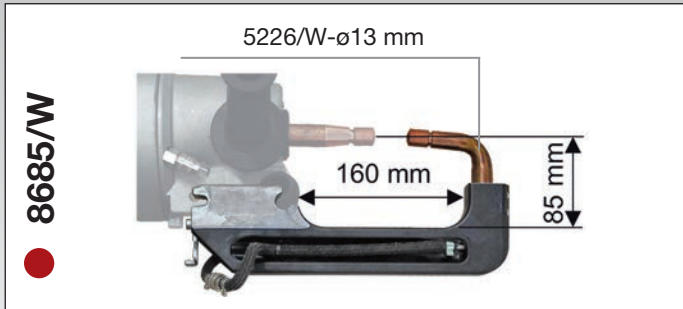
ARMS - ELECTRODES

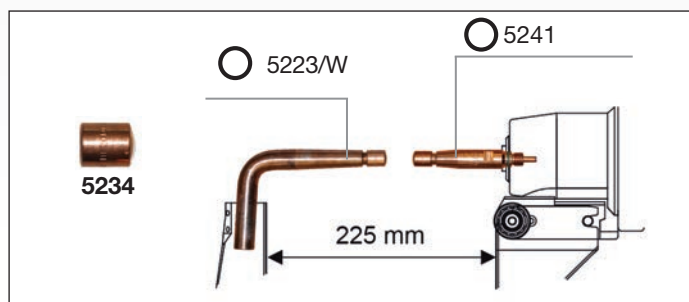
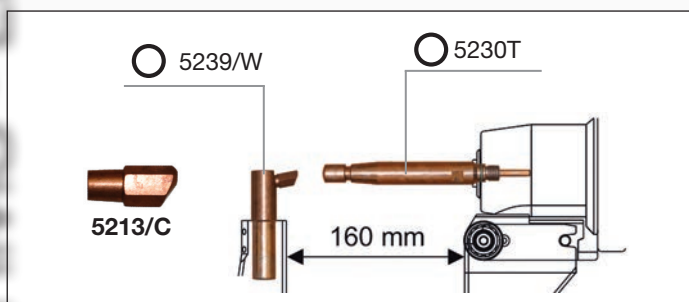
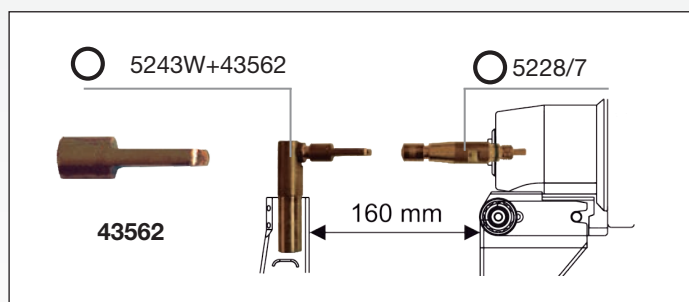
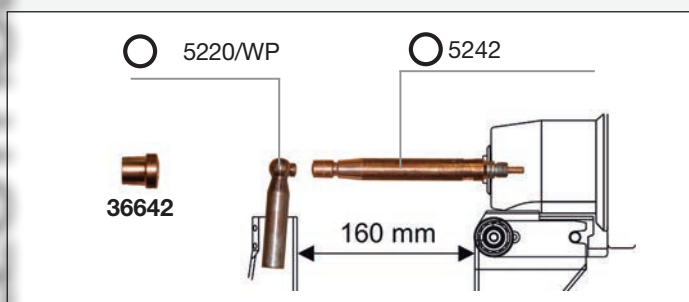
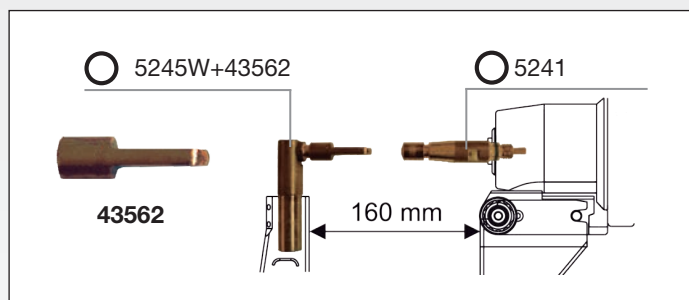
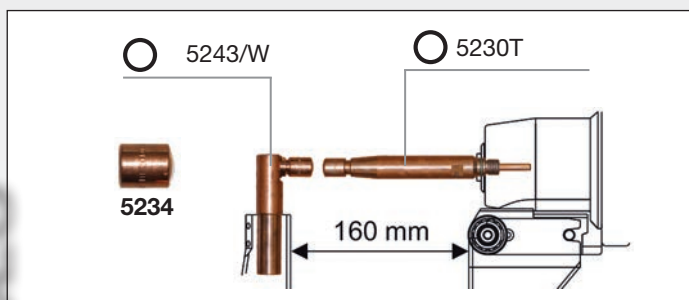
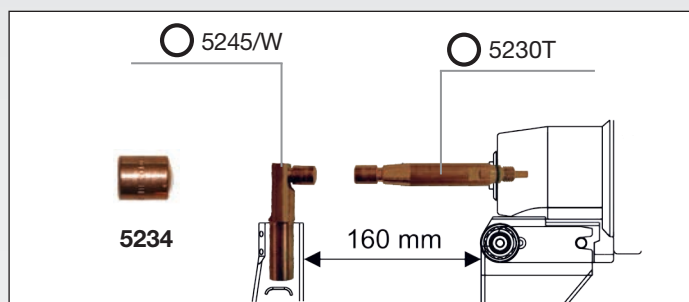
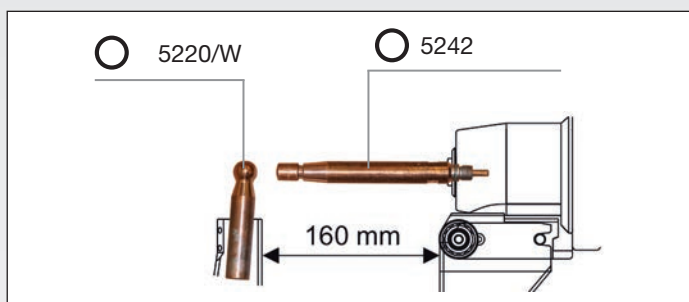
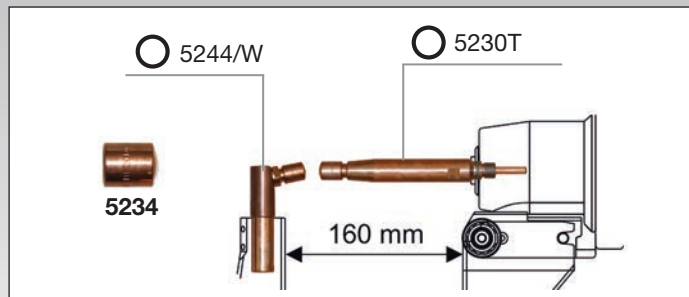
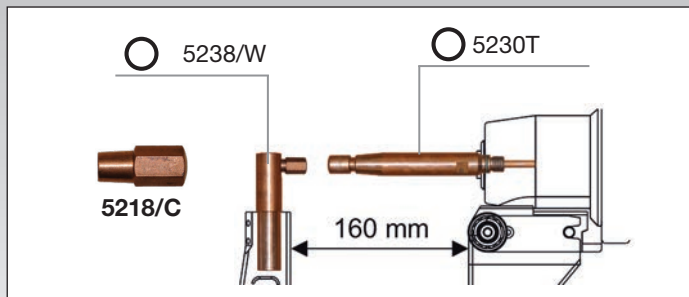
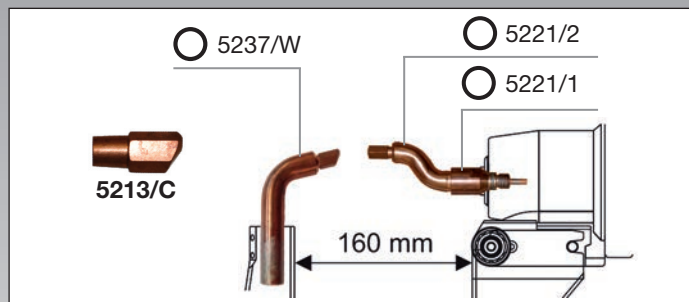
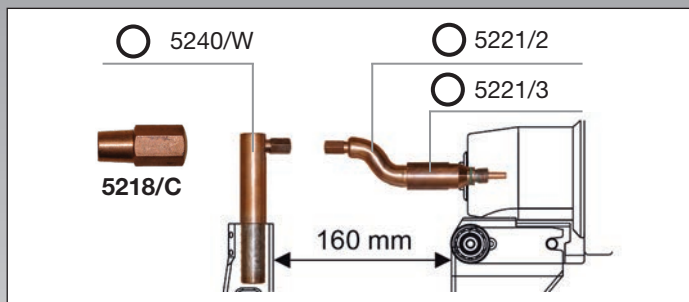


8659



$\bullet$  STANDARD  
 $\circ$  A RICHIESTA - ON DEMAND - A SOLICITUD







TECNA®

3465

3465



WELD TIME  
TEMPO



CURRENT  
CORRENTE

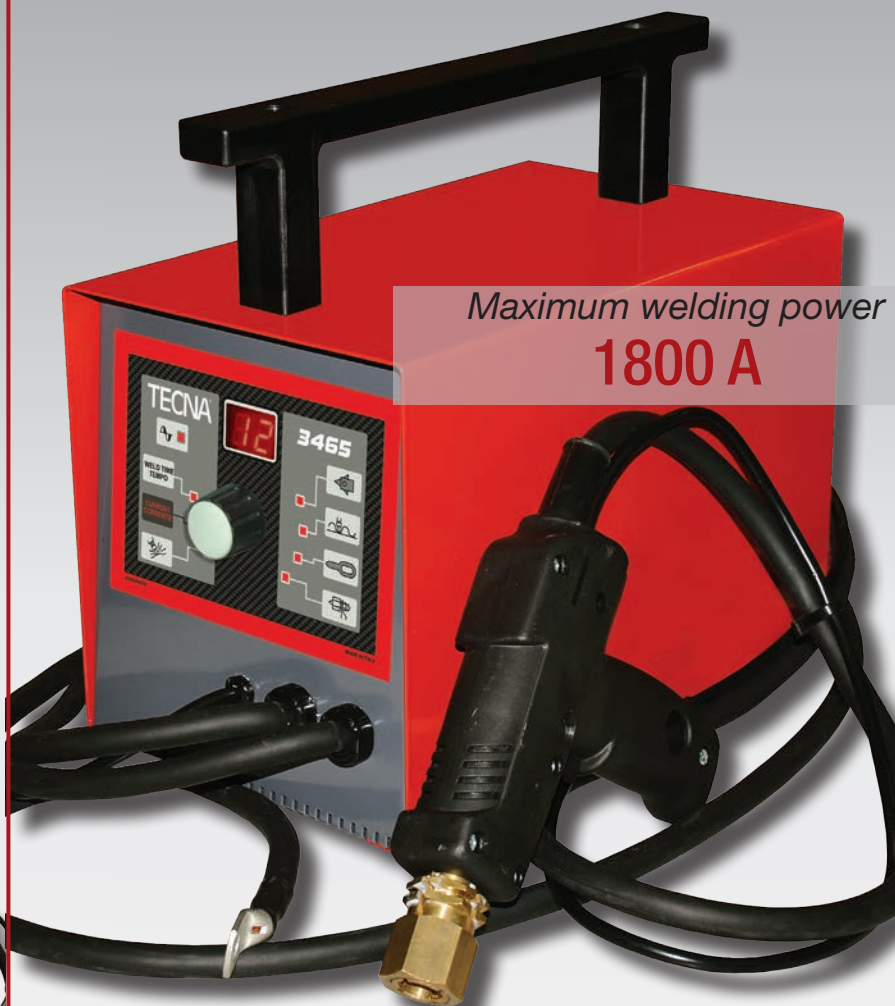


4000000059

MADE IN ITALY

SPOTTER

# 3465

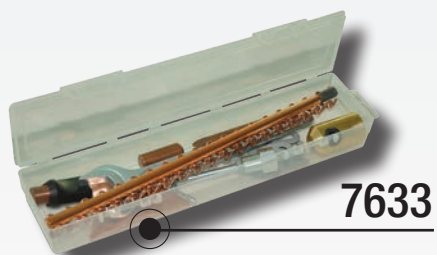


Maximum welding power  
**1800 A**



7696

7638



7633

## 3465K

SPOTTER





7633



**DATI TECNICI**  
**TECHNICAL FEATURES**  
**DATOS TÉCNICOS**

3465

Tensione di rete  
Supply voltage / Tensión de red

\*230 VAC~50 Hz

Protezione di rete (ritardati)  
Mains protection (delayed) / Protección principal (retardados)

8 A

Potenza nominale 50% ED  
Nominal Power 50% ED / Potencia nominal al 50% ED

2,0 kVA

Potenza massima di saldatura  
Maximum welding power / La potencia máxima de soldadura

12 kVA

Corrente secondaria massima  
Maximum secondary current / Corriente secundaria máxima

1800 A

Tensione a vuoto secondaria  
No load secondary voltage / Voltaje de circuito abierto secundaria

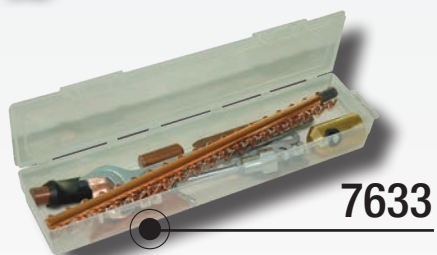
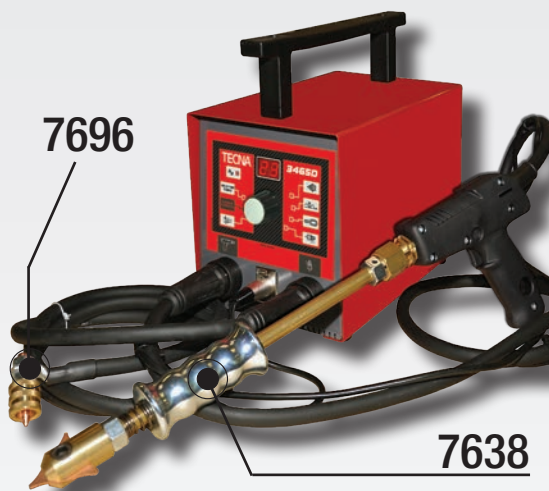
8 V

Peso  
Weight / Peso

16 kg

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

# 3465D



## 3465DK







7633



**DATI TECNICI**  
**TECHNICAL FEATURES**  
**DATOS TÉCNICOS**

3465D

Tensione di rete  
Supply voltage / Tensión de red

\*230 VAC~50 Hz

Protezione di rete (ritardati)  
Mains protection (delayed) / Protección principal (retardados)

8 A

Potenza nominale 50% ED  
Nominal Power 50% ED / Potencia nominal al 50% ED

2,0 kVA

Potenza massima di saldatura  
Maximum welding power / La potencia máxima de soldadura

12 kVA

Corrente secondaria massima  
Maximum secondary current / Corriente secundaria máxima

1800 A

Tensione a vuoto secondaria  
No load secondary voltage / Voltaje de circuito abierto secundaria

8 V

Peso  
Weight / Peso

16 kg

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

# 3541

## T-SPOT 120

8078



8069



7696

3697



**FORCE  
80  
daN(max)**

A RICHIESTA - ON DEMAND  
A SOLICITUD

Maximum welding power

**2600 A**

Maximum welding power

**4500 A**



7634



7638



### DATI TECNICI TECHNICAL FEATURES DATOS TÉCNICOS

3541

Tensione di rete  
Supply voltage / Tensión de red

\*400 VAC~50 Hz

Protezione di rete (ritardati)  
Mains protection (delayed) / Protección principal (retardados)

16 A

Potenza nominale 50% ED  
Nominal Power 50% ED / Potencia nominal al 50% ED

5,0 kVA

Corrente secondaria massima  
Maximum secondary current / Corriente secundaria máxima

2600 A  
(8078)

Tensione a vuoto secondaria  
No load secondary voltage / Voltaje de circuito abierto secundaria

8,3 V  
(8078)

Corrente secondaria massima  
Maximum secondary current / Corriente secundaria máxima

4500 A  
(3697)

Tensione a vuoto secondaria  
No load secondary voltage / Voltaje de circuito abierto secundaria

5,6 V  
(3697)

Peso  
Weight / Peso

28 kg

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

SPOTTER



# 3540

## T-SPOT 110

Maximum welding power  
**2250 A**



8068



8069



7634



7638



### DATI TECNICI TECHNICAL FEATURES DATOS TÉCNICOS

3540

|   |                |
|---|----------------|
| Tensione di rete<br>Supply voltage / Tensión de red   | *230 VAC~50 Hz |
| Protezione di rete (ritardati)<br>Mains protection (delayed) / Protección principal (retardados)  | 16 A           |
| Potenza nominale 50% ED<br>Nominal Power 50% ED / Potencia nominal al 50% ED                      | 2,5 kVA        |
| Corrente secondaria massima<br>Maximum secondary current / Corriente secundaria máxima            | 2250 A         |
| Tensione a vuoto secondaria<br>No load secondary voltage / Voltaje de circuito abierto secundaria | 8,8 V          |
| Peso<br>Weight / Peso   | 18 kg          |

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido

# 3460N



8058

7638

8059

PISTOLA MULTIFUNZIONE  
MULTIFUNCTION GUN  
PISTOLA MULTIFUNCION



3697

FORCE  
80  
daN(max)

A RICHIESTA - ON DEMAND  
A SOLICITUD



Maximum welding power  
**4500 A**



7637

## DATI TECNICI TECHNICAL FEATURES DATOS TÉCNICOS

Tensione di rete  
Supply voltage / Tensión de red

3460N

\*400 VAC~50 Hz

Protezione di rete (ritardati)  
Mains protection (delayed) / Protección principal (retardados)

16 A

Potenza nominale 50% ED  
Nominal Power 50% ED / Potencia nominal al 50% ED

5,0 kVA

Potenza massima di saldatura  
Maximum welding power / Potencia máxima de soldadura

20 kVA

Corrente secondaria massima  
Maximum secondary current / Corriente secundaria máxima

4500 A

Tensione a vuoto secondaria  
No load secondary voltage / Voltaje de circuito abierto secundaria

5,6 V

Corrente termica 100%  
Thermal current 100% / Corriente térmica del 100 %

0,63 kA

Tempo di saldatura  
Weld time / Tiempo de soldadura

1 ÷ 99 cicli  
cycles / ciclos

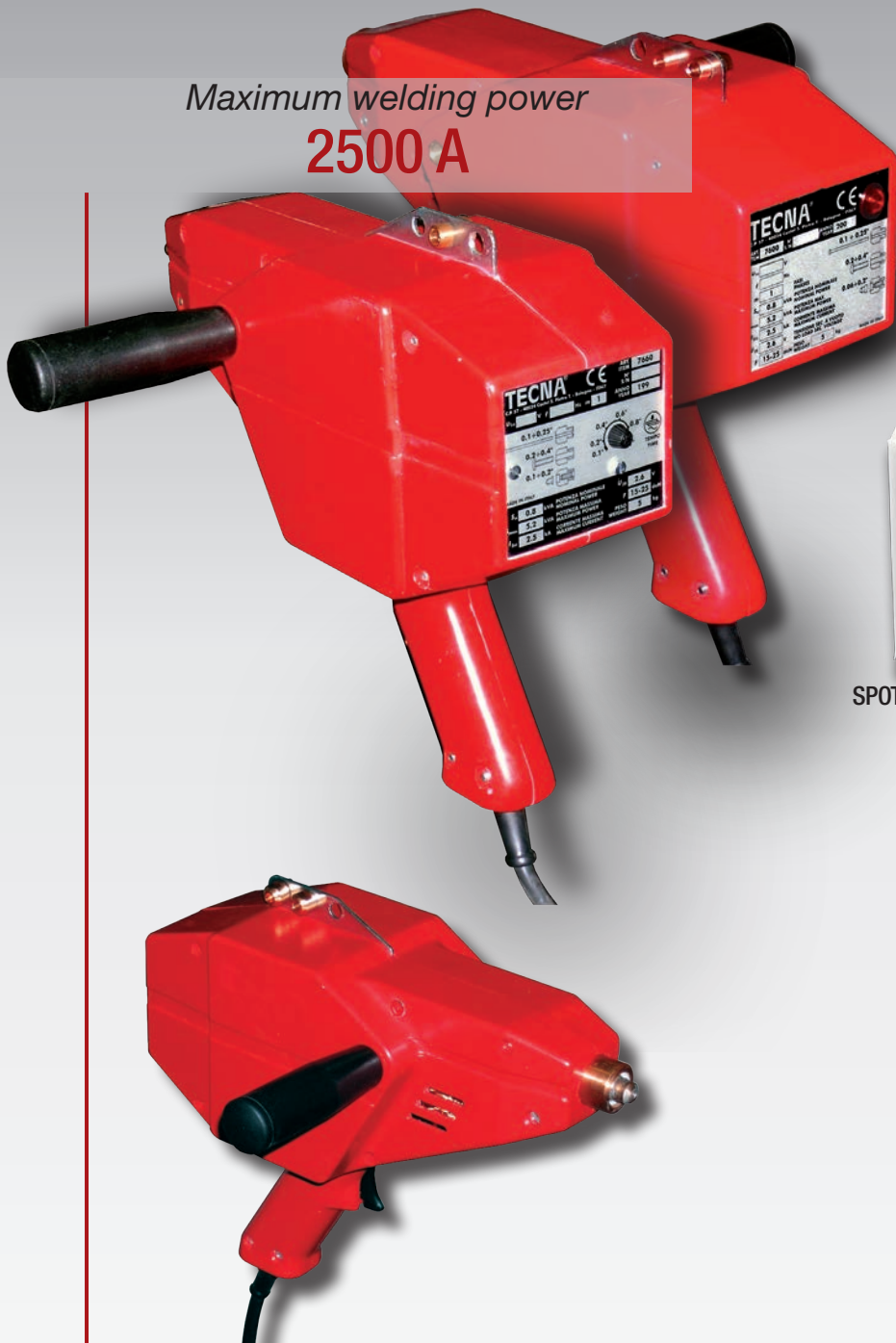
Peso  
Weight / Peso

28 kg

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido



Maximum welding power  
**2500 A**



# 7600 7660

SPOTTER 7630KI SPOTTER 7690K

SPOTTER 7630CA | SPOTTER 7690CA

SPOTTER 7630PL | SPOTTER 7690PL



71276



### DATI TECNICI TECHNICAL FEATURES DATOS TÉCNICOS

|   | 7600             | 7660                            |
|---|------------------|---------------------------------|
| Tensione di rete<br>Supply voltage / Tensión de red   | 230 VAC~50/60 Hz | 230 VAC~50/60 Hz                |
| Protezione di rete (ritardati)<br>Mains protection (delayed) / Protección principal (retardados)  | 16 A             | 16 A                            |
| Potenza nominale 50% ED<br>Nominal Power 50% ED / Potencia nominal al 50% ED                      | 0,8 kVA          | 0,8 kVA                         |
| Potenza massima di saldatura<br>Maximum welding power / Potencia máxima de soldadura              | 6 kVA            | 6 kVA                           |
| Corrente secondaria massima<br>Maximum secondary current / Corriente secundaria máxima            | 2250 A           | 2250 A                          |
| Tensione a vuoto secondaria<br>No load secondary voltage / Voltaje de circuito abierto secundaria | 3 V              | 3 V                             |
| Tempo di saldatura<br>Weld time / Tiempo de soldadura   | --               | 1 ÷ 99 cicli<br>cycles / ciclos |
| Peso<br>Weight / Peso   | 6 kg             | 6 kg                            |

# 3544



UNITÀ DI CONTROLLO  
CONTROL UNIT  
UNIDAD DE CONTROL



## DATI TECNICI TECHNICAL FEATURES DATOS TÉCNICOS

Tensione di rete  
Supply Voltage / Tensión de red

230 VAC~50/60 Hz

Protezione di rete (ritardati)  
Mains protection (delayed) / Protección principal (retardados)

16 A

Potenza assorbita  
Absorbed power / Potencia absorbido

200 A

Corrente nominale  
Nominal current / Corriente nominal

50-200 A

Peso  
Weight / Peso

5,35 kg



# STD



# TSW1000 CAR

88188



88002



88187



(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)

Maximum welding power  
**33 mF**



72443



ALUMINIUM SPOTTER

## DATI TECNICI TECHNICAL FEATURES DATOS TÉCNICOS

|  | TSW1000CAR       |
|--|------------------|
| Tensione di rete<br>Supply Voltage / Tensión de red  | 230 VAC~50/60 Hz |
| Protezione di rete (ritardati)<br>Mains protection (delayed) / Protección principal (retardados) | 10 A             |
| Potenza nominale<br>Nominal power / Potencia nominal   | 1000 VA          |
| Corrente nominale<br>Nominal current / Corriente nominal   | 5 A              |
| Capacità<br>Capacity / Capacidad   | 33 mf            |
| Numero programmi<br>Welding programs / Programas de soldadura                                    | 4                |
| Peso<br>Weight / Peso  | 12,6 kg          |



# TSW1500CAR

Maximum welding power

**66 mF**



88188



88002



88187



(A RICHIESTA)  
(ON DEMAND)  
(A SOLICITUD)

72443



## DATI TECNICI TECHNICAL FEATURES DATOS TÉCNICOS

|  | TSW1500CAR       |
|--|------------------|
| Tensione di rete<br>Supply Voltage / Tensión de red  | 230 VAC~50/60 Hz |
| Protezione di rete (ritardati)<br>Mains protection (delayed) / Protección principal (retardados) | 10 A             |
| Potenza nominale<br>Nominal power / Potencia nominal   | 1000 VA          |
| Corrente nominale<br>Nominal current / Corriente nominal   | 5 A              |
| Capacità<br>Capacity / Capacidad   | 66 mf            |
| Numero programmi<br>Welding programs / Programas de soldadura                                    | 4                |
| Peso<br>Weight / Peso  | 14 kg            |

# WORKS STATIONS STEEL



Fornito in kit di montaggio  
Supplied in a kit to be assembled.  
Suministrado en el kit de montaje.

3465  
3465K



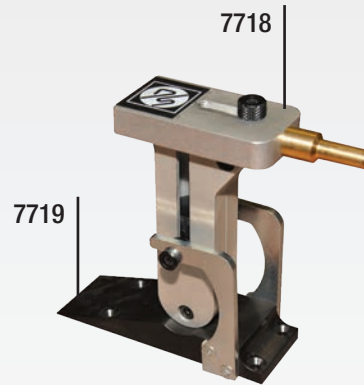
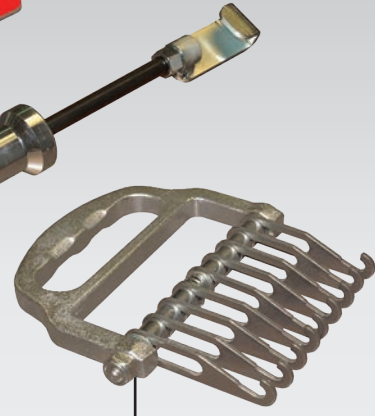
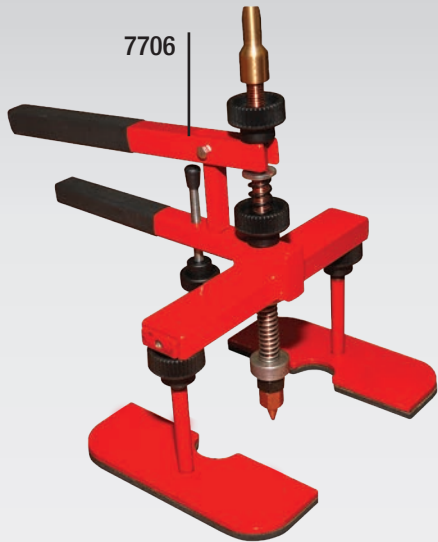
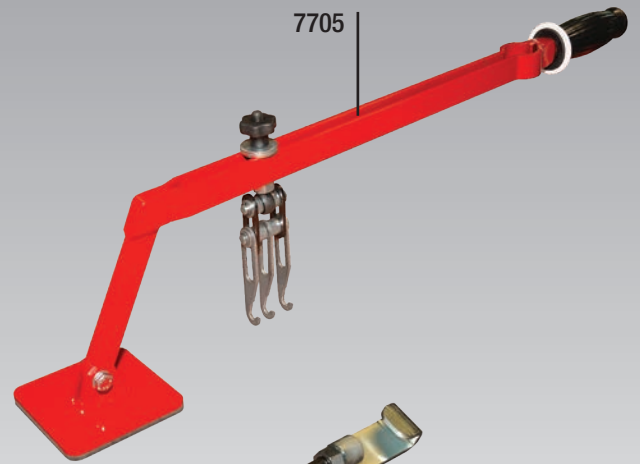
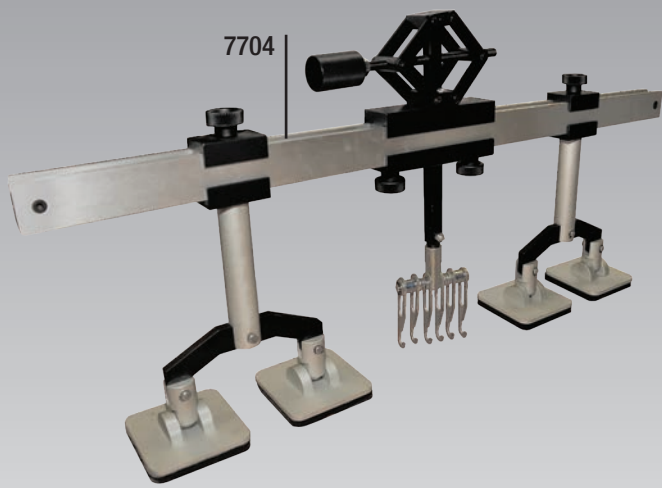
3465D  
3465DK



WORKS STATIONS

SPOTTER



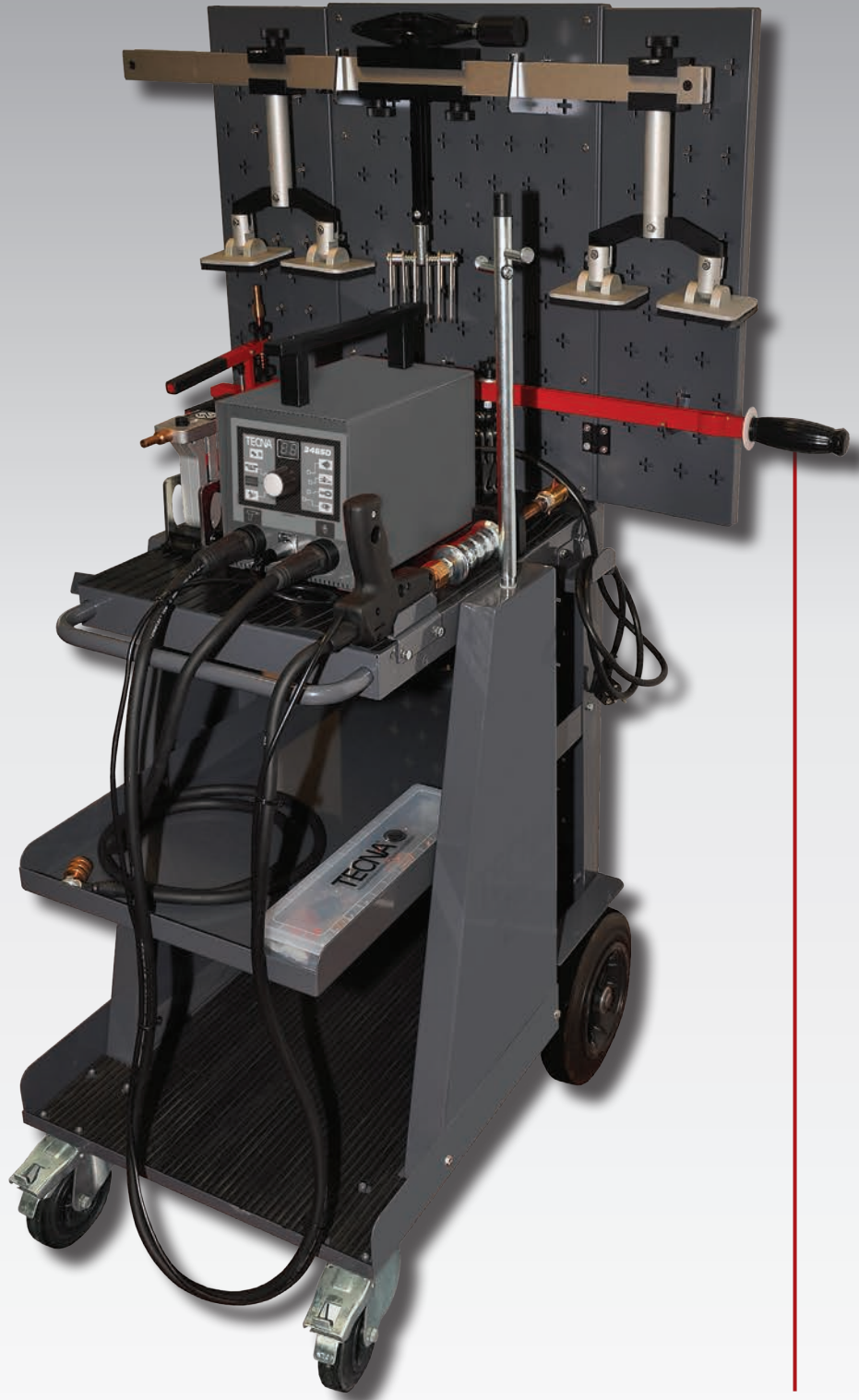
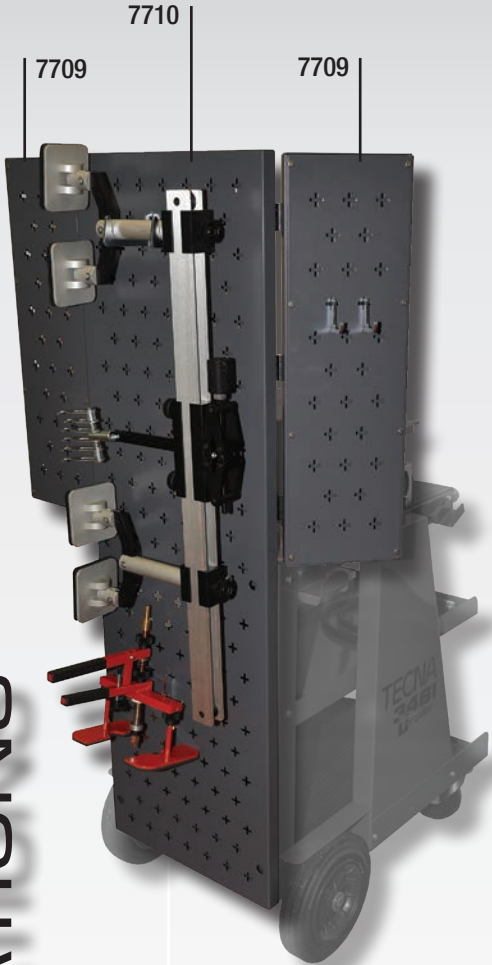
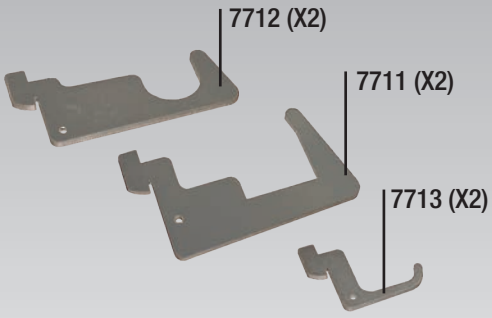


3540



SPOTTER

# WORKS STATIONS STEEL



WORKS STATIONS  
SPOTTER

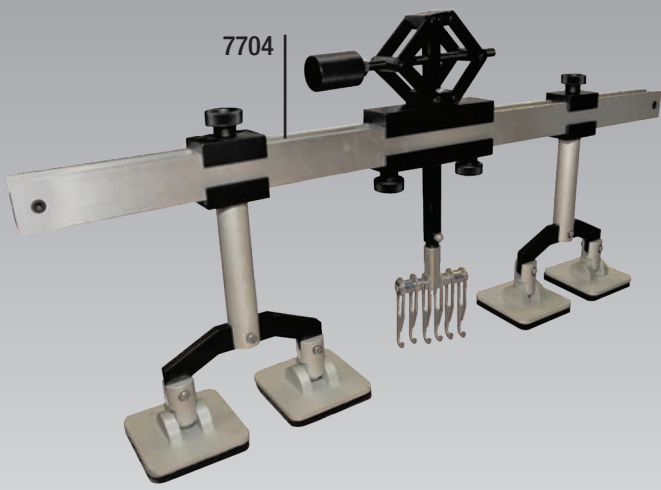
3465  
3465K



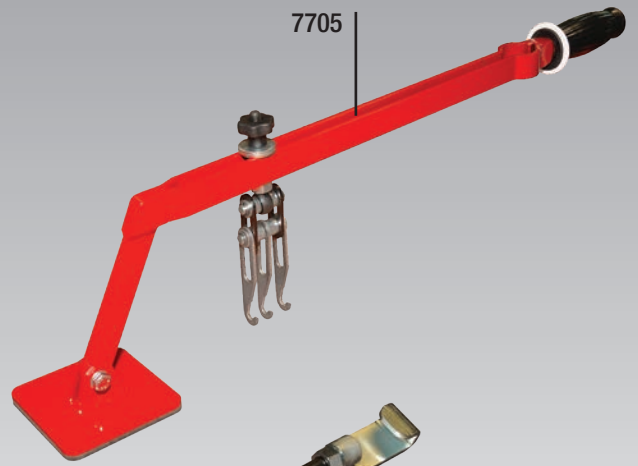
3465D  
3465DK







7704



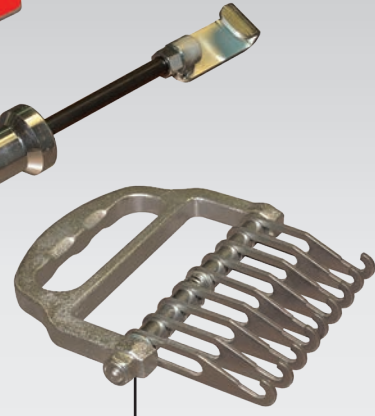
7705



7706



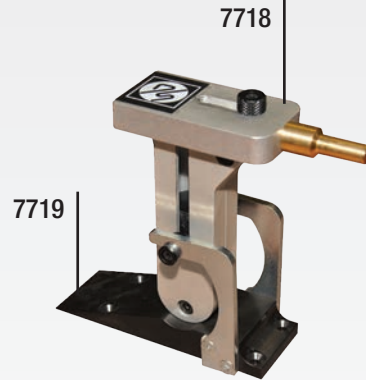
7717



7715 (a5)  
7716 (a9)



7720



7718

7719

3540



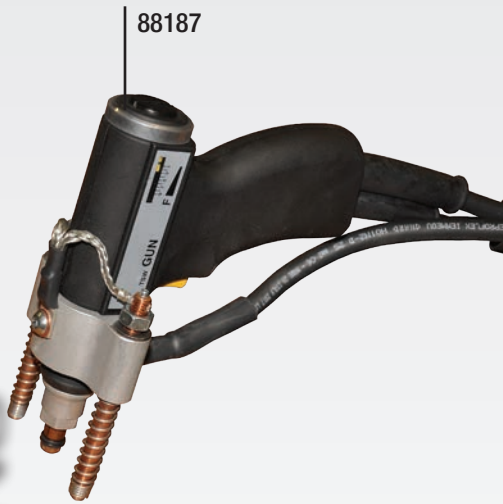
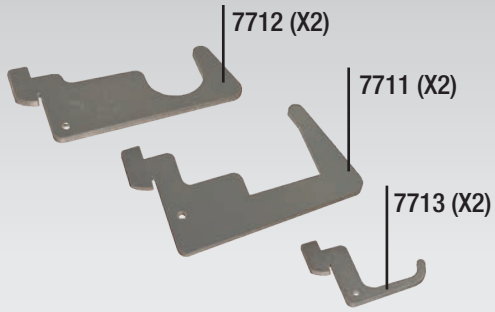
3541



SPOTTER

**1 000**  
ALUMINUM WORK STATION

**1 500**  
ALUMINUM WORK STATION



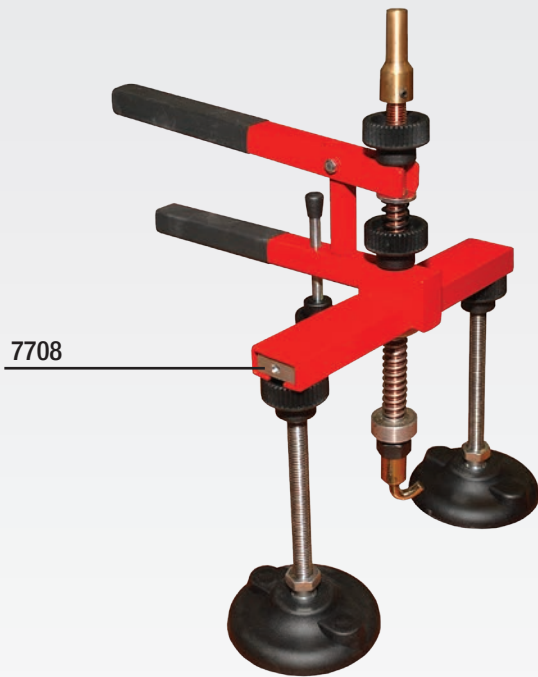
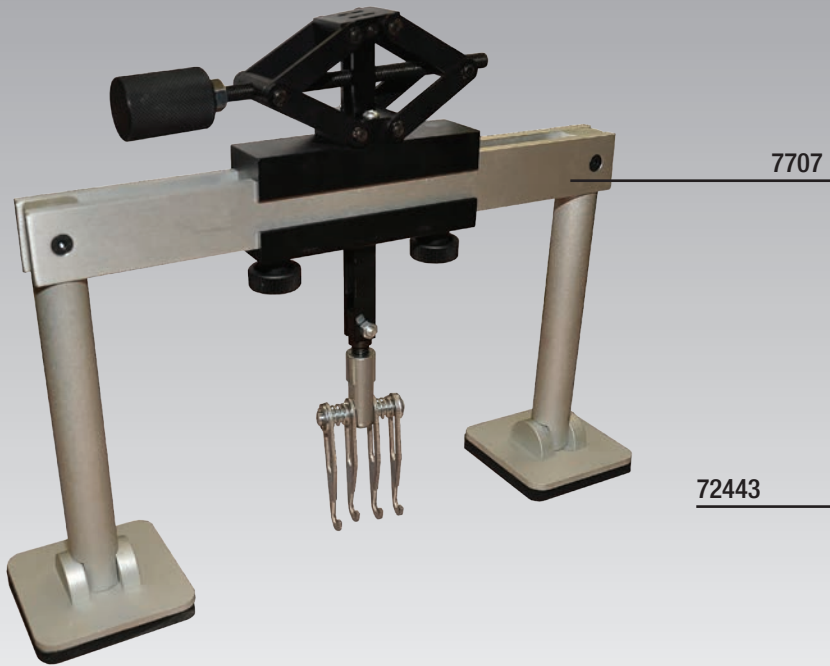
WORKS STATIONS

ALUMINUM  
SPOTTER

TSW1000CAR/G



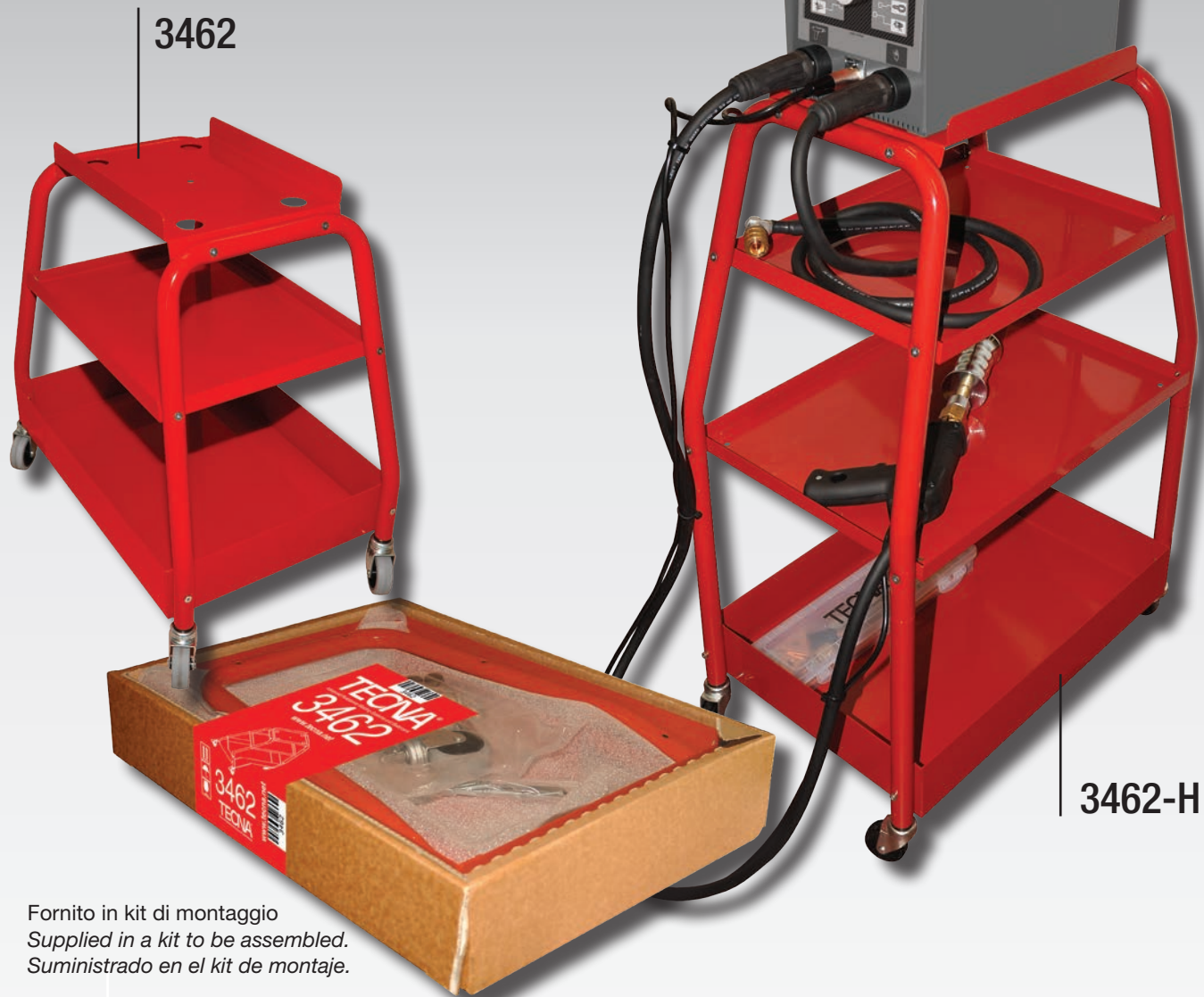




## TSW1500CAR/G



# TROLLEY



Fornito in kit di montaggio  
Supplied in a kit to be assembled.  
Suministrado en el kit de montaje.

# TROLLEY SPOTTER

3465  
3465K



3465D  
3465DK



3540







3461N



3461T

Fornito in kit di montaggio  
 Supplied in a kit to be assembled.  
 Suministrado en el kit de montaje.

|                       | 3461N | 3461T | 3462 | 3462-H |
|-----------------------|-------|-------|------|--------|
| 3465                  |       | •     | •    | •      |
| 3465K                 |       | •     | •    | •      |
| 3465D                 |       | •     | •    | •      |
| 3465DK                |       | •     | •    | •      |
| 3540                  |       | •     | •    | •      |
| 3541                  |       | •     |      |        |
| 3460N                 | •     |       |      |        |
| TSW1000CAR            |       | •     | •    | •      |
| TSW1500CAR/TSW1500CBR |       | •     | •    | •      |

3541



3460N



TSW1000CAR/G  
 TSW1500CAR/G



SPOTTER

# TECNA®

Resistance Welding Systems & Balancers

[www.tecna.net](http://www.tecna.net)

Spot welding solutions

3465K  
SPOTTER



3664P7  
"completamente automatica"



36EZ  
"completamente automatica"



3546  
INFRARED HEATER

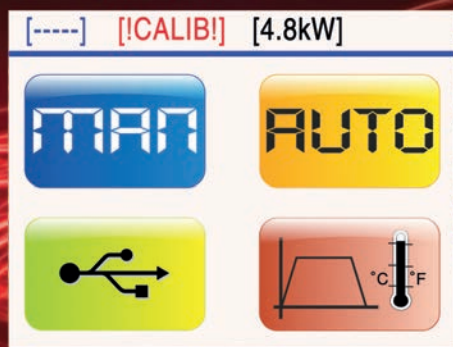
I prodotti TECNA hanno ricevuto l'omologazione di diverse prestigiose case automobilistiche leader nel mondo





HEATERS

# 3546



INFRARED HEATER

L'utilizzo della radiazione infrarossa permette, a differenza di un riscaldatore ad induzione, di operare su qualsiasi tipo di materiale:

Unlike induction heating, the use of infrared radiation allows operating on any type of material:

La utilización de la radiación infrarroja permite también, al contrario de lo que ocurre con la radiación a inducción, actuar sobre cualquier tipo de material:

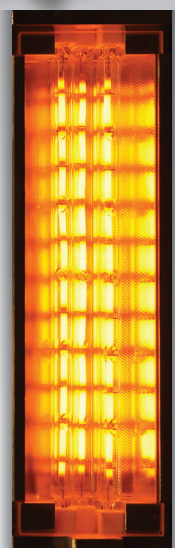
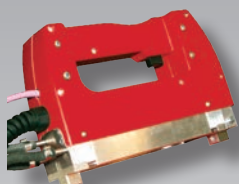
**FERRO**  
**ALLUMINIO**  
**CARBONIO**  
**POLIMERI**

**STEEL**  
**ALUMINIUM**  
**CARBON**  
**PLASTIC**

**ACERO**  
**ALUMINIO**  
**CARBONIO**  
**POLÍMEROS**

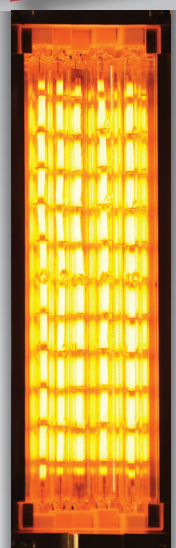


88612



4.8 kW

88613



8.0 kW

88614



1.5 kW

88615



2.5 kW

8680/IR/01



Calibratore di Temperatura  
Temperature Calibrator  
Calibrador de Temperatura

| GENERATORE / POWER BOX / CAJA DE ENERGÍA  |   | 3546   |        |        |       |
|---|---|--------|--------|--------|-------|
| Alimentazione Elettrica / Power Supply / Fuente de Alimentación                       | 230V - 60 Hz - 3 phase<br>400V - 50 Hz - 3 phase +N   |        |        |        |       |
| Potenza / Power Output / Salida de Potencia   | 15 kW   |        |        |        |       |
| Sistema di Raffreddamento / Cooling System / Sistema de Refrigeración                 | Aria / Air / Aire   |        |        |        |       |
| Display touch screen a colori / Color touch screen display / Pantalla táctil en color | TE70  |        |        |        |       |
| Registrazione / Adjustment / Ajuste   | Potenza, Riscaldamento Temperatura /<br>Power, Temperature Heating /<br>Potencia, Calentamiento Temperatura |        |        |        |       |
| Calibratore di Temperatura / Temperature Calibrator / Calibrador de Temperatura       | 8680/IR/01  |        |        |        |       |
| LAMPADA / LAMP / LÁMPARA  |   | 88614  | 88615  | 88612  | 88613 |
| Energia / Power / Potencia  | 1.5 kW  | 2.5 kW | 4.8 kW | 8.0 kW |       |
| Vita della lampada / Lamp lifetime / Vida de la lámpara                               | 5000 h  |        |        |        |       |
| Sistema di Raffreddamento / Cooling System / Sistema de Refrigeración                 | Aria e Acqua / Air and Water / Aire y Agua  |        |        |        |       |
| Controllo della temperatura / Temperature control / Control de temperatura            | Pirometro / Pyrometer / Pirómetro   |        |        |        |       |

# TECNA<sup>®</sup>

Resistance Welding Systems & Balancers

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Spot welding solutions



## 3680

“completamente automatica”



### 3465K SPOTTER



### 3546 INFRARED HEATER



### 3664P7

“completamente automatica”

I prodotti TECNA hanno ricevuto l'omologazione di diverse prestigiose case automobilistiche leader nel mondo

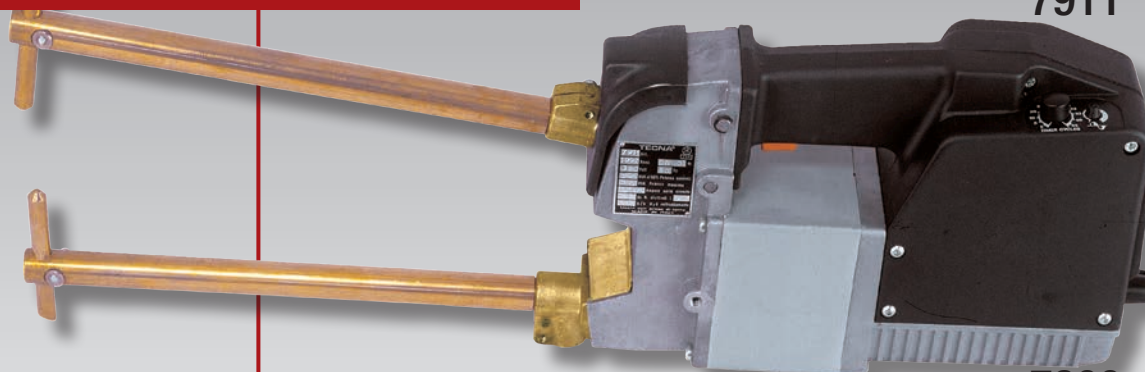




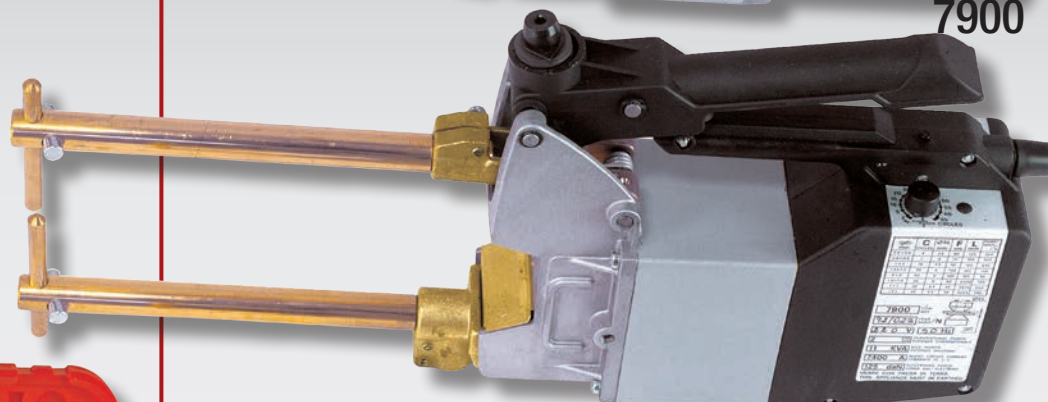
COMPLEMENTARY EQUIPMENT

# 7900 ÷ 7902

7911



7900



7902P



7900K / 7902K Valigia in plastica "K" e accessori (A RICHIESTA)

7900K / 7902K "K" Plastic case and accessories (ON DEMAND)

7900K / 7902K Maleta en plastico "K" e accesorios (A SOLICITUD)

COMPLEMENTARY EQUIPMENT

## DATI TECNICI TECHNICAL FEATURES DATOS TÉCNICOS

|  | 7900           | 7902    | 7902P   |
|--|----------------|---------|---------|
| Tensione di rete<br>Supply voltage / Tensión de red  | *400 VAC~50 Hz |         |         |
| Protezione di rete (ritardati)<br>Mains protection (delayed) / Protección principal (retardados) | 16 A           |         |         |
| Potenza nominale 50% ED<br>Nominal Power 50% ED / Potencia nominal 50% ED                        | 2 kVA          | 2,5 kVA | 2,5 kVA |
| Potenza massima di saldatura<br>Maximum welding power / Potencia máxima de soldadura             | 13 kVA         | 16 kVA  | 16 kVA  |
| Corrente secondaria massima<br>Maximum secondary current / Corriente secundaria máxima           | 5,75 kA        | 6,55 kA | 6,55 kA |
| Tensione a vuoto secondaria<br>No load secondary voltage / Tensión de vacío secundaria           | 2,3 V          | 2,5 V   | 2,5 V   |
| Peso<br>Weight / Peso  | 10,5 kg        | 11 kg   | 11 kg   |

\* Altre tensioni e frequenze a richiesta - \* Different voltages and frequencies on demand - \* Otras tensiones y frecuencias, bajo pedido



# TE1600/RS232



## STRUMENTO DI MISURA E CONTROLLO










Il "WELD TESTER" TE1600/RS232 è uno strumento portatile appositamente studiato per le misurazioni dei parametri della saldatura a resistenza. Lo strumento può essere collegato ad un PC, utilizzando la porta RS232, tramite un cavo seriale DB9 femmina per visualizzare e memorizzare i dati misurati. Il TE1600/RS232 trasmette i dati rilevati al PC dopo ogni misura effettuata senza necessità di premere alcun tasto. Utilizzando sonde di tipo diverso, lo stesso strumento consente di misurare sia la corrente di saldatura che la forza agli elettrodi. La potenza del microprocessore a 32 bit e la precisione del convertitore A/D da 12 bit lo rendono uno strumento dalle elevate prestazioni.

## TEST AND MEASUREMENT INSTRUMENT

The TE1600/RS232 "WELD TESTER" is a portable instrument purposely designed for measuring the parameters of resistance welding. By using the RS232 port and by means of a female DB9 serial cable, the measurement instrument may be connected to a PC for displaying and recording the measured data. Our TE1600/RS232 transfers the data acknowledged by the PC after each measurement automatically, without needing to press any button. By using probes of different kind, the same instrument enables to measure both the welding current and the force at the electrodes. The power of the 32-bit microprocessor and the accuracy of the 12-bit A/D converter make the instrument a highly performing one.

## INSTRUMENTO DE MEDICIÓN Y CONTROL

El "WELD TESTER" TE1600/RS232 es un instrumento de medición portátil específicamente diseñado para las mediciones de los parámetros de soldadura por resistencia. El instrumento puede ser conectado a un PC, con acceso al puerto RS232, mediante un cable serial DB9 hembra que permite visualizar y guardar los datos medidos. El TE1600/RS232 transmite los datos detectados por el PC después de cada medición sin necesidad de presionar ningún botón. Utilizando diferentes sondas, el mismo instrumento permite realizar mediciones de la corriente de soldadura y a su vez de la fuerza a los electrodos. Debido a la potencia del microprocesador de 32 bit y la precisión del convertidor A/D de 12 bit, resulta ser un equipo con elevada prestaciones.

| ART. / ITEM   | DESCRIZIONE / DESCRIPTION / DESCRIPCIÓN  |
|---|--|
|  <b>1631</b> | Trasduttore di corrente rigido Ø min 32-36 max mm con cavo L=2 m max - Rigid current transducer coil Ø min 32-36 max mm with cable L=2 m max<br>Transductor de corriente rígido Ø min 32-36 max mm con cable L=2 m max                     |
|  <b>1632</b> | Trasduttore di corrente rigido Ø min 40-45-46 max mm con cavo L=2 m max - Rigid current transducer coil Ø min 40-45-46 max mm with cable L=2 m max<br>Transductor de corriente rígido Ø min 40-45-46 max mm con cable L=2 m max            |
|  <b>1633</b> | Trasduttore di corrente rigido Ø max 80 mm con cavo L=2 m max - Rigid current transducer coil Ø max 80 mm with cable L=2 m max<br>Transductor de corriente rígido Ø max 80 mm con cable L=2 m max  |
|  <b>1635</b> | Trasduttore flessibile Ø 160 mm con cavo L=2 m max - Flexible transducer Ø 160 mm with cable L=2 m max<br>Transductor flexible Ø 160 mm con cable L=2 m max  |
|  <b>1636</b> | Trasduttore flessibile Ø 270 mm con cavo L=2 m max - Flexible transducer Ø 270 mm with cable L=2 m max<br>Transductor flexible Ø 270 mm con cable L=2 m max  |
|  <b>1637</b> | Trasduttore flessibile Ø 270 mm con cavo L=2 m max, sensibilità x0,2 - Flexible transducer Ø 270 mm with cable L=2 m max, sensitivity x0,2<br>Sensibilität x0,2 - Transductor flexible Ø 270 mm con cable L=2 m max, sensibilidad x0,2     |
|  <b>1661</b> | Cella di carico da 200 daN 440 lb con cavo L=2 m, - Force transducer 200 daN 440 lb with cable L=2 m,<br>Celda de carga de 200 daN 440 lb con cable L=2 m  |
|  <b>1662</b> | Cella di carico da 2.000 daN 4.400 lb con cavo L=2 m - Force transducer 2.000 daN 4.400 lb with cable L=2 m<br>Celda de carga de 2.000 daN 4.400 lb con cable L=2 m  |
|  <b>1673</b> | Cella di carico ad ingombro ridotto da 200 daN 440 lb con cavo L=2 m - Force transducer with reduced overall dimensions 200 daN 440 lb with cable L=2 m<br>Celda de carga de tamaño reducido de 200 daN 440 lb con cable L=2 m             |
|  <b>1675</b> | Cella di carico ad ingombro ridotto da 1.200 daN 2.640 lb con cavo L=2 m - Force transducer with reduced overall dimensions 1.200 daN 2.640 lb with cable L=2 m<br>Celda de carga de tamaño reducido de 1.200 daN 2.640 lb con cable L=2 m |
|  <b>1663</b> | Cella di carico da 10.000 daN 22.000 lb con cavo L=2 m - Force transducer 10.000 daN 22.000 lb with cable L=2 m<br>Celda de carga de 10.000 daN 22.000 lb con cable L=2 m  |

# World leader in Resistance Welding



**TECNA®**  
Resistance Welding Systems & Balancers



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[sales@tecna.net](mailto:sales@tecna.net)