TECNA®

Resistance Welding Systems & Balancers

General Catalogue

RESISTANCE WELDERS AND SPOTTERS FOR CAR BODY SHOPS

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 carroceria.
La amplia gama para carroceria 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 carrocerias autorizadas.



TECNA: Excellence in Resistance Welding

TECNA means Excellence. Since its foundation over 50 years ago, TECNA has grown as a **worldwide leading reference in resistance welding and spring balancers**.

At our headquarters in Castel San Pietro Terme, Italy, our passion for technology joins **assiduous work for continuous development and innovation**.

With decades of experience, TECNA is a trusted supplier of major players in the automotive and aerospace industries and all fields where resistance welding sees its application. **TECNA welders are approved and certified by top car manufacturers worldwide.**

ISO 9001 and ISO 14001 certifications, as well as strict quality checks and tests, define the procedures and guarantee that product quality and safety are maintained at the highest levels. Every machine is duly tested and certified before shipping.

TECNA offers the widest range of welding machines and equipment, from single-phase and three-phase to the latest cutting-edge inverter and hybrid capacitor discharge technologies. Our products obtain **the highest quality welds and guarantee the best performance in terms of energy efficiency**.



Additionally, TECNA provides customers with a **comprehensive line of accessories for resistance welding equipment**. From the most advanced measurement instruments to the latest digital welding control technologies, all accessories feature advanced functions of networking and automatic file export to analyze and store test results.

TECNA also manufactures specialized equipment for automotive body welding and repair. All systems come with next-generation welding controls and energy-efficient inverter technology. To experience the greatest synergy between man and machine we especially recommend the Smart Mode, where ease of use joins a fully automatic self-learning system. The operator does not even need to know what metal or thickness she or he is welding.

The field of resistance welding is constantly evolving with demands of quality, and most important of control around the process. TECNA keeps evolving with it, and by DNA runs ahead **to anticipate needs and create new trends thanks to the continuous research & development**.


TECNA
12
3465
WELD TIME
TEMPO
CURRENT
CORRENTE
4000000059
MADE IN ITALY

SPOTTER

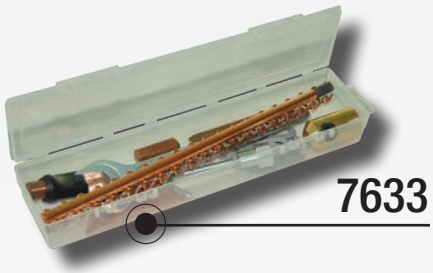
3465



Maximum welding power

1800 A





3465K

SPOTTER



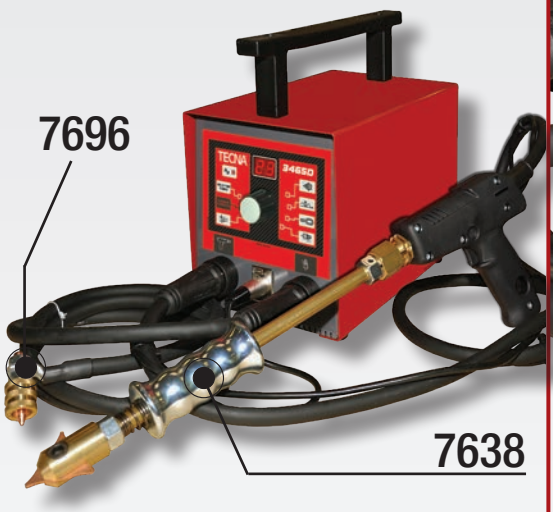
DATI TECNICI *TECHNICAL FEATURES* *DATOS TÉCNICOS*	3465
Tensione di rete *Supply voltage / Tensión de red*	***230 VAC~50** Hz
Protezione di rete (ritardati) *Mains protection (delayed) / Protección principal (retardados)*	**8** A
Potenza nominale 50% ED *Nominal Power 50% ED / Potencia nominal al 50% 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

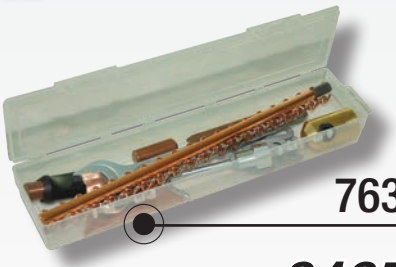
* Altre tensioni e frequenze a richiesta - ** Different voltages and frequencies on demand - * Otras tensiones y frecuencias, bajo pedido*

3465D

Maximum welding power
1800 A







3465DK





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

SPOTTER



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

Maximum welding power
2600 A

Maximum welding power
4500 A



8078



(RICHIAMO PROGRAMMA)
(PROGRAMME REMINDER)
(RESUMEN DEL PROGRAMA)

8069



7696

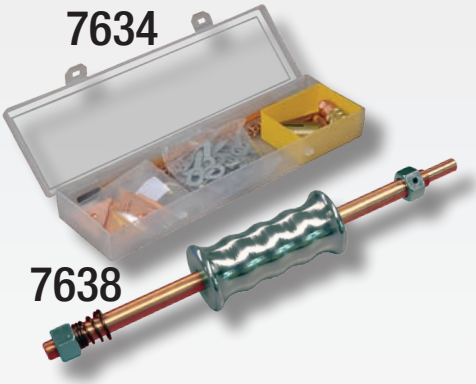
A RICHIESTA - *ON DEMAND*
A SOLICITUD

3697



FORCE
80
daN(max)

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*

3540

T-SPOT 110

Maximum welding power
2250 A



(RICHIAMO PROGRAMMA)
(PROGRAMME REMINDER)
(RESUMEN DEL PROGRAMA)

8068



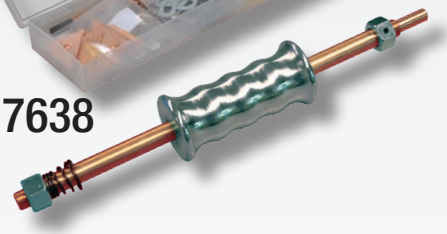
8069



7634



7638



DATI TECNICI ***TECHNICAL FEATURES*** ***DATOS TÉCNICOS***	**3540**
Tensione di rete *Supply voltage / Tensión de red*	***230 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*	**2,5** kVA
Corrente secondaria massima *Maximum secondary current / Corriente secundaria máxima*	**2250** A
Tensione a vuoto secondaria *No load secondary voltage / Voltaje de circuito abierto secundaria*	**8,8** V
Peso *Weight / Peso*	**18** kg

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

3460N

8058



PISTOLA MULTIFUNZIONE
MULTIFUNCTION GUN
PISTOLA MULTIFUNCION

A RICHIESTA - *ON DEMAND*
A SOLICITUD

3696

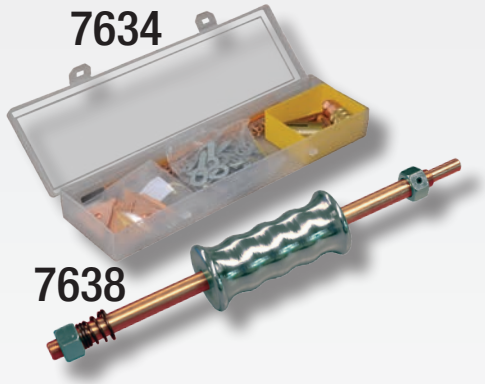


FORCE
80
daN(max)

Maximum welding power
4500 A



7634



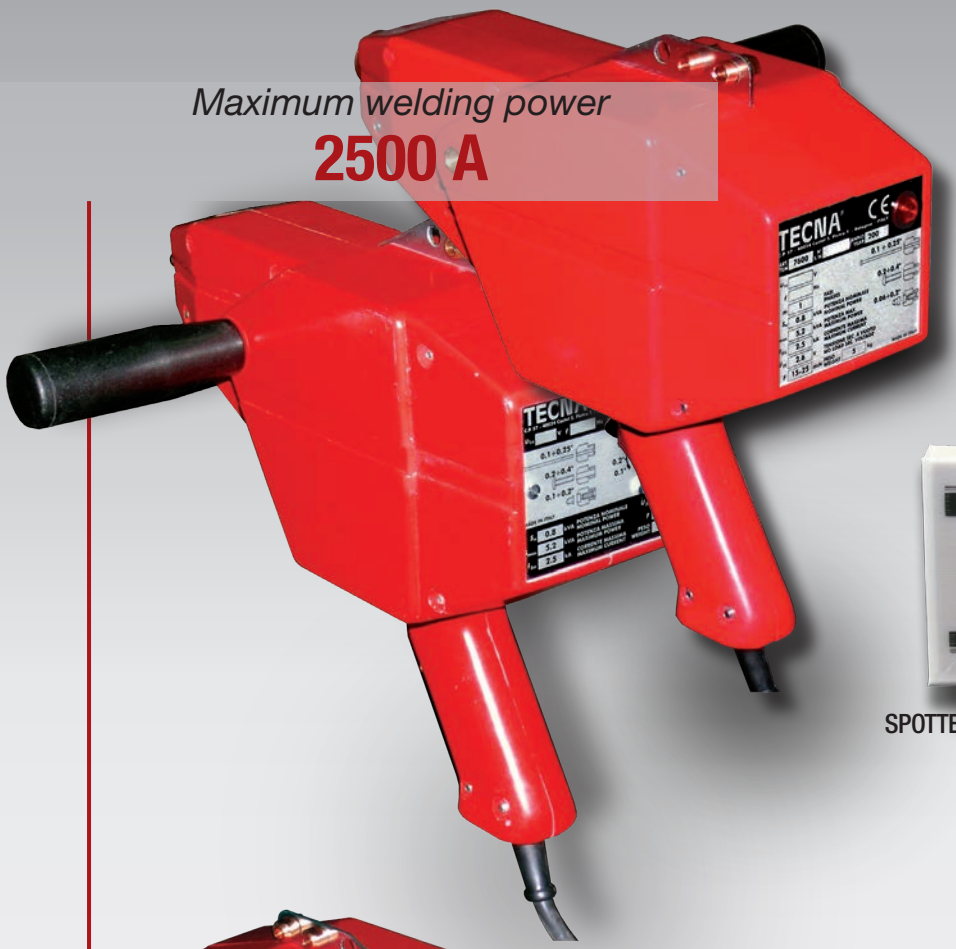
7638

DATI TECNICI *TECHNICAL FEATURES* *DATOS TÉCNICOS*	3460N
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
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*

7600 - 7660

Maximum welding power
2500 A





SPOTTER 7630K| SPOTTER 7690K

SPOTTER 7630CA | SPOTTER 7690CA



SPOTTER 7630PL | SPOTTER 7690PL

71276



DATI TECNICI *TECHNICAL FEATURES* *DATOS TÉCNICOS*	7600	7660
Tensione di rete *Supply voltage / Tensión de red*	**230 VAC~50/60** Hz	**230 VAC~50/60** Hz
Protezione di rete (ritardati) *Mains protection (delayed) / Protección principal (retardados)*	**16** A	**16** A
Potenza nominale 50% ED *Nominal Power 50% ED / Potencia nominal al 50% ED*	**0,8** kVA	**0,8** kVA
Potenza massima di saldatura *Maximum welding power / Potencia máxima de soldadura*	**6** kVA	**6** kVA
Corrente secondaria massima *Maximum secondary current / Corriente secundaria máxima*	**2250** A	**2250** A
Tensione a vuoto secondaria *No load secondary voltage / Voltaje de circuito abierto secundaria*	**3** V	**3** V
Tempo di saldatura *Weld time / Tiempo de soldadura*	--	**1 ÷ 65** cicli cycles / ciclos
Peso *Weight / Peso*	**6** kg	**6** kg

WORKSTATION

STEEL

3472





3472-H



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

A

B



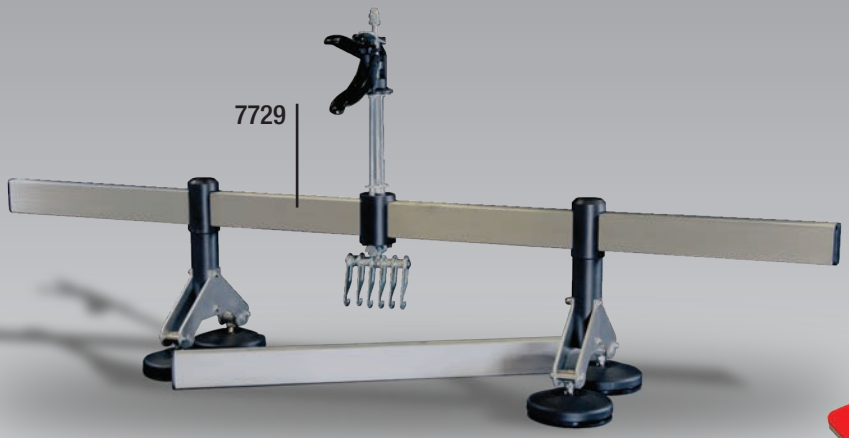
WORKSTATION
SPOTTER

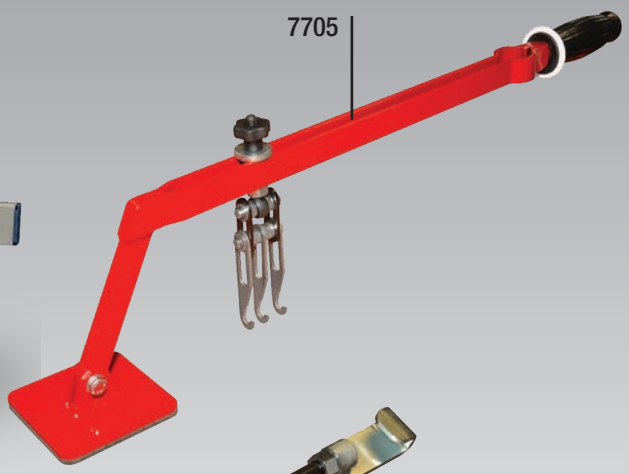
3465
3465K



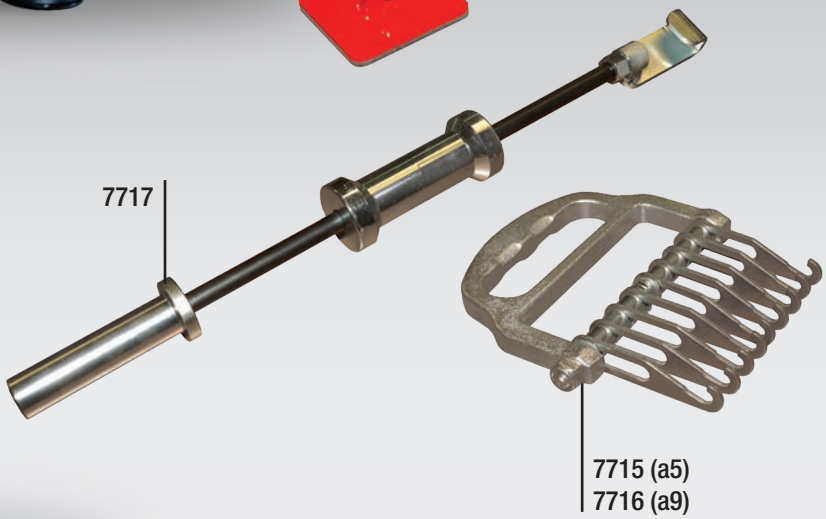
3465D
3465DK



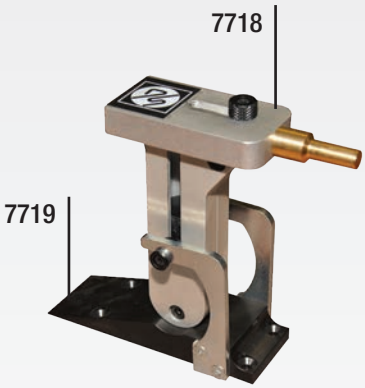












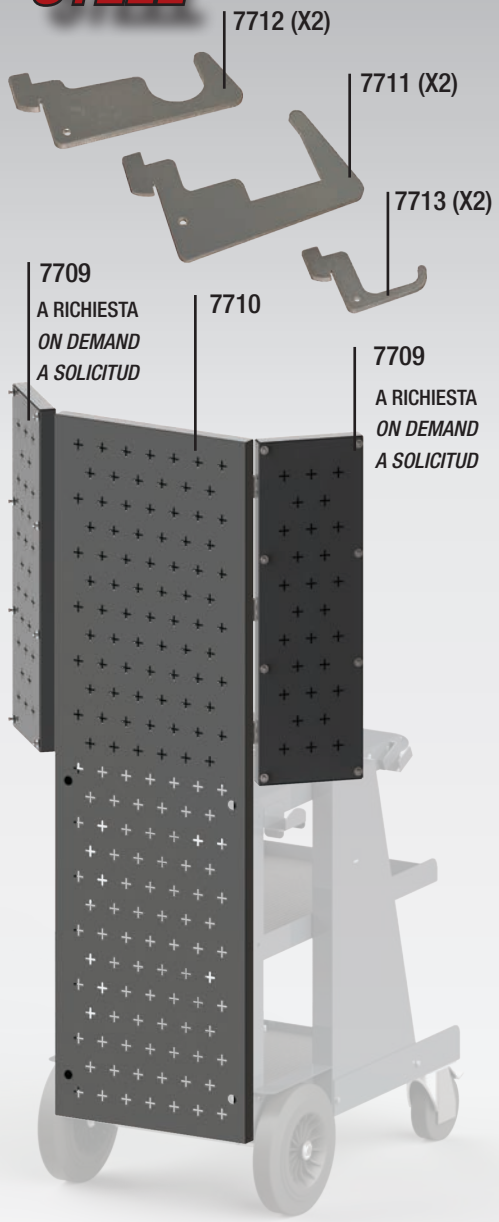
3540



SPOTTER

WORKSTATION

STEEL





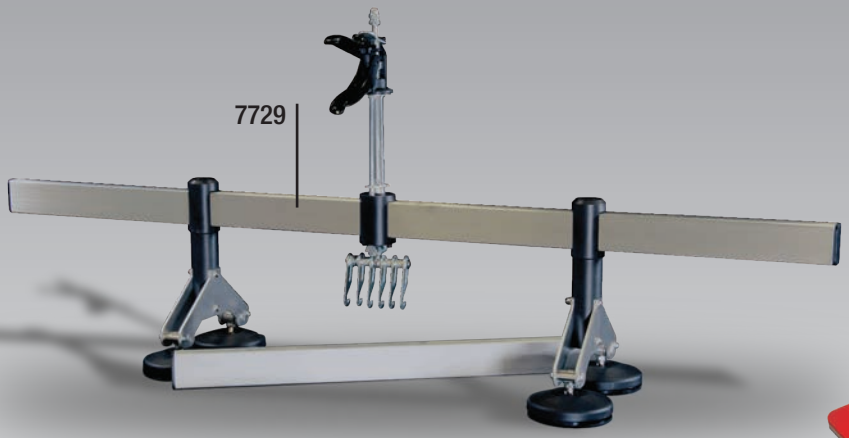
WORKSTATION SPOTTER

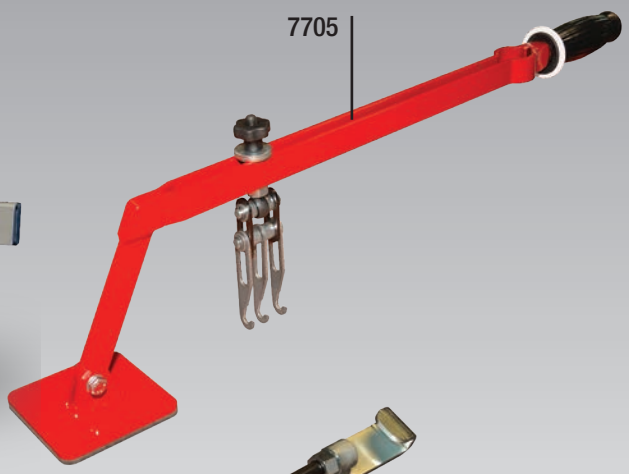
3465
3465K



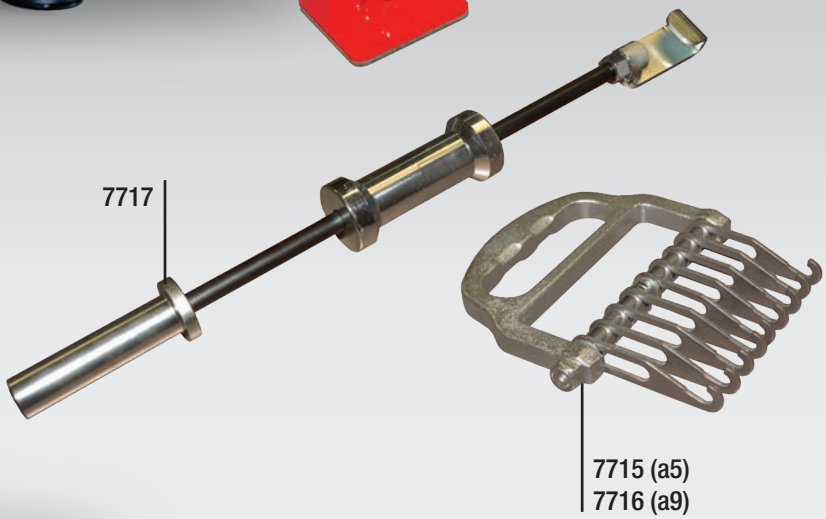
3465D
3465DK



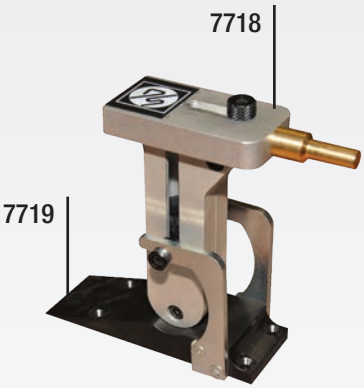












3540



3541



SPOTTER

TROLLEY

3472





3472-H



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

A



B



TROLLEY

SPOTTER

3465
3465K



3465D
3465DK



3540
3541



3461T



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

	3461T	3472	3472-H
3465	●	●	●
3465K	●	●	●
3465D	●	●	●
3465DK	●	●	●
3540	●	●	●
3541	●		
3460N		●	
3544	●	●	●
TSW1000CAR - TSW1000CAR/G	●	●	●
TSW1500CAR - TSW1500CAR/G	●	●	●

3460N



3544

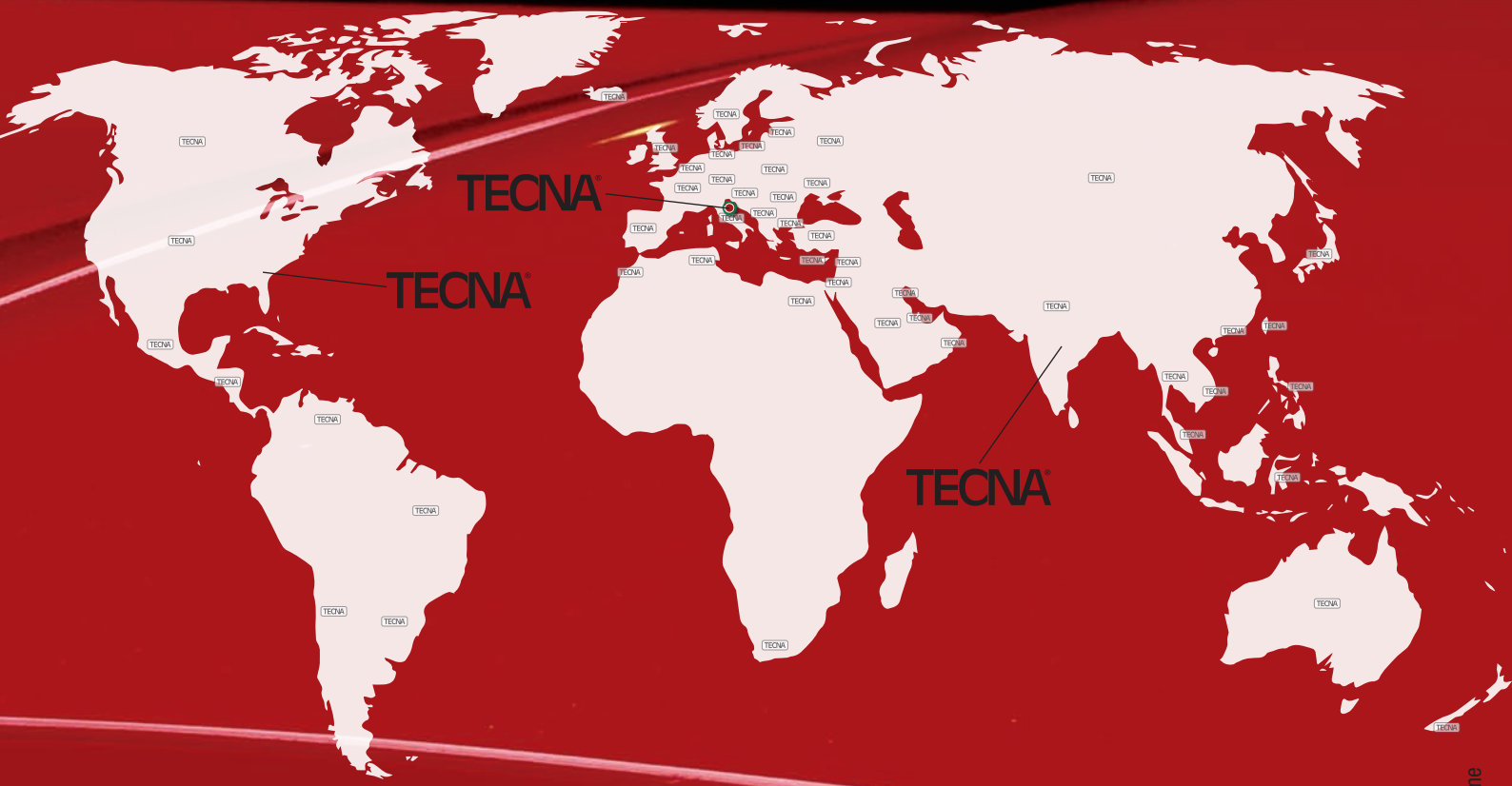


TSW1000CAR/G
TSW1500CAR/G



SPOTTER

World leader in resistance welding



TECNA®
Resistance Welding Systems & Balancers



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