

AWELCO

BUSINESS CATALOGUE

**20
25**





● **1970**

Nascita della prima business unit **"Sodernic"**.
Siamo a Torino, Corso Palermo, 17.

● **Anni 80**

Sodernic si trasferisce a
Conza della Campania (Av).

● **1973**

Costruzione e sviluppo della
prima saldatrice **"Baby Sald"**
e distribuzione in mercati
Nazionali ed Internazionali.



THE ITALIAN TECHNOLOGIES

■ ■ L'Awelco é da oltre 50 anni impegnata a fornire ai suoi clienti un rapporto qualità/prezzo altamente soddisfacente grazie alla costante innovazione e ricerca tecnologica. Pensare globale, agire locale: la costante sperimentazione e la progettazione ed il continuo ampliamento della gamma, realizzati con una struttura flessibile d'impresa, consentono di soddisfare le più svariate esigenze dei Nostri Clienti.

■ ■ Awelco est engagé de plus de 50 ans à fournir aux clients un ratio satisfaisant qualité/prix grâce à l'innovation et à la recherche technologique. Penser globalement, agir localement. Les essais continus, la recherche et l'élargissement constant de la gamme, réalisé par une structure flexible de la société, nous permettent de répondre très rapidement aux diverses exigences de nos clients.

■ Awelco is beyond 50 years engaged to supply to the customers a satisfactory ratio quality/price thanks to the innovation and the technological research. Think global, act local. The continuous testing, the Italian design and the constant widening of the range, realized by flexible Company structure, make us able to satisfy many and various customer requirements.

■ Awelco hace mas de 50 años que está comprometida con entregar a los clientes, una relación calidad/precio altamente satisfactoria debido a la innovación e investigación tecnologica. Pensar global pero actuar local. La experimentación, la proyección y la ampliación constante de la gama, realizada por una estructura de empresa flexible, nos permiten satisfacer las más variadas exigencias de nuestros clientes.

■ Awelco ist seit 50 Jahren beschäftigt, seinen Kunden ein höchst zufriedenstellendes Qualität/Preis Verhältnis zu liefern, dank der konstanten Innovation und der technologischen Forschung. Global denken, lokal handeln. Das konstante Experimentieren, die Planung und das kontinuierliche Erweitern der Gamma, verwirklicht durch eine flexible Unternehmerstruktur, erlauben uns, den verschiedensten Anforderungen unserer Kunden gerecht zu werden.

■ Awelco уже более 50 лет поставляет своим клиентам продукцию, соответствующую наилучшему соотношению ЦЕНА-КАЧЕСТВО, благодаря постоянным инновациям и исследованиям. Думайте глобально, действуйте локально: постоянные исследования и расширение ассортимента, гибкая структура самой компании позволяют удовлетворять разнообразные требования наших клиентов.

Anni 2000

Sodernic diventa **Awelco S.p.A.**
Apertura ai mercati mondiali, sviluppo nuove tecnologie "Smart" e avvio terza unit business.

Anni 90

Espansione aziendale con apertura della seconda business unit.
Acquisizione certificazione **UNI EN ISO 9001.**

Dal 2000 ad oggi

Awelco unica **azienda italiana** **licenziataria** dei marchi Stanley, Stanley Fatmax e Dewalt. Continua ricerca tecnologica ed innovazione.

COMPRA UN PRODOTTO SICURO!

BUY A SAFE PRODUCT!

Prodotto a norma CE - Qualità e norme al primo posto
CE Norm - Quality and standards first

TEST REPORT RILASCIATO DA
ENTE ACCREDITATO
ISO/IEC 17025

TEST REPORT RELEASED BY
ACCREDITED LAB ISO/IEC 17025

EMC
LVD
ROHS
ECO
DESIGN



CAVO DI ALIMENTAZIONE IN
GOMMA, NO PVC

RUBBER INPUT CABLE AT
NORM, NO PVC

CAVI DI USCITA IN GOMMA, NO PVC

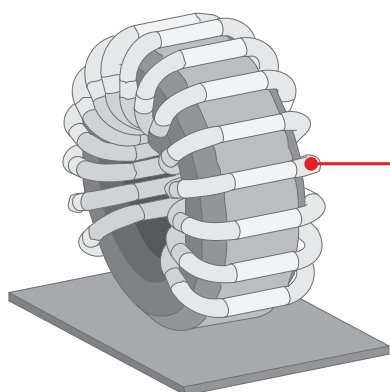
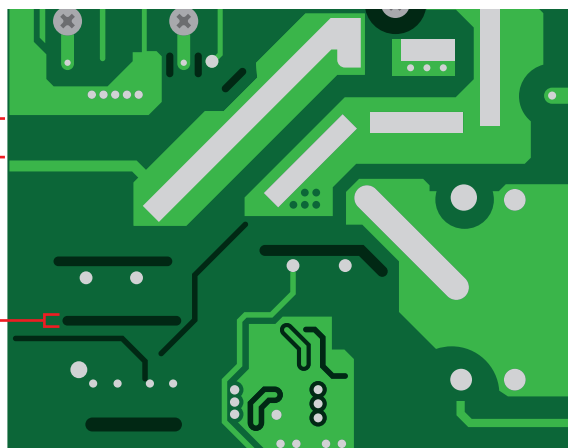
RUBBER OUTPUT CABLE AT NORM, NO PVC



DIRETTIVA BASSA TENSIONE = PRODOTTO SICURO **LVD (LOW VOLTAGE DIRECTIVE) = PRODUCT SAFETY**

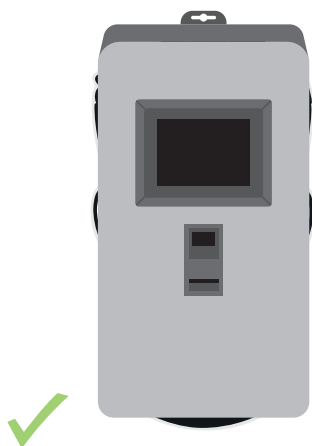
DISTANZA SUPERFICIALE
CLEARANCE DISTANCE

DISTANZA IN ARIA
INSULATION CREEPAGE



**ISOLAMENTO DEL TRASFORMATORE
CON MATERIALI CERTIFICATI**
QUALITY ON THE TRANSFORMER INSULATION

MASCHERA CONFORME ALLA NORMA EN175
EN175 NORM APPLIED ON THE WELDING MASK EQUAL MINIMUM SIZE



HOBBY LINE



INDUSTRIAL LINE

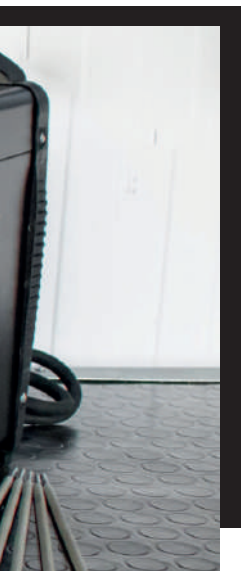


WELDING TOOLS & CONSUMABLES





-  Hobby è una selezione di prodotti AWELCO indicati per il fai da te. Abbiamo creato i migliori prodotti per hobbista per consentirti di costruire i tuoi progetti. Saldatrici compatte, leggere ed affidabili. Il meglio per te e per i progetti che ti stanno a cuore.
-  Hobby est une sélection des produits AWELCO projetés pour les bricoleurs exigeants. Nous avons créés les meilleurs produits parce que tu puisses réaliser tes projets. Poste à souder compacts, légers et fiables. Le mieux pour toi et pour cet que tu aimes réaliser.
-  Hobby is a selection of AWELCO's products indicated for do-it yourself jobs. We have created the best hobbyist products to let you build your projects. Compact, light and reliable welding machines. The best for you and for the projects that are close to your heart.
-  Hobby es una selección de productos AWELCO indicados para trabajos de bricolaje. Hemos creado los mejores productos para aficionados que te permiten construir tus proyectos. Soldadoras compactas, ligeras y fiables. Lo mejor para ti y para los proyectos más cercanos a tu corazón.
-  Hobby ist eine Auswahl von AWELCO-Produkte für den Heimwerker geeignet. Wir haben die besten Hobby-Produkte entwickelt, um Sie beim Aufbau Ihrer Projekte zu unterstützen. Kompakte, leichte und zuverlässige Schweißgeräte. Das Beste für Sie und für Ihre Projekte.
-  Серия «Хобби» включает в себя продукцию AWELCO, предназначенную для любителей. Мы создали лучшую DIY продукцию, которая поможет реализовать ваши проекты. Компактные, лёгкие и надёжные сварочные аппараты. Лучшее для вас и для проектов, которые близки вашему сердцу.



-  Il top di gamma by AWELCO. Potenza, affidabilità e precisione. La selezione industriale ti consente di svolgere con professionalità i tuoi progetti.
-  Le haut de gamme de AWELCO. Puissance, fiabilité et précision. La sélection industrielle vous permettez de réaliser avec professionnalisme vos projets.
-  Top of the range by AWELCO. Power, reliability and precision. The industrial selection allows you to carry out your projects professionally.
-  Productos AWELCO de alta gama. Potencia, fiabilidad y precisión. La selección industrial le permite realizar sus proyectos profesionalmente.
-  Die Spitzenprodukte von AWELCO. Leistung, Zuverlässigkeit und Präzision. Die Industrial – Produktselektion ermöglicht es Ihnen, Ihre Projekte professionell durchzuführen.
-  Индустриальная серия от AWELCO. Мощность, надежность и точность. Индустриальная серия позволит реализовать ваши проекты на профессиональном уровне.



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-  Le haut de gamme de AWELCO. Puissance, fiabilité et précision. La sélection industrielle vous permettez de réaliser avec professionnalisme vos projets.
-  Top of the range by AWELCO. Power, reliability and precision. The industrial selection allows you to carry out your projects professionally.
-  Productos AWELCO de alta gama. Potencia, fiabilidad y precisión. La selección industrial le permite realizar sus proyectos profesionalmente.
-  Die Spitzenprodukte von AWELCO. Leistung, Zuverlässigkeit und Präzision. Die Industrial – Produktselektion ermöglicht es Ihnen, Ihre Projekte professionell durchzuführen.
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► HOBBY 

MMA INVERTER

	CODE	CODE WITH PLASTIC CASE OR CARTON BAG								
EXTRA 170	50045R (*C-Box)		230V~1ph	160 A	30/160	1,6-4,0 mm	DM25 - 9mm		✓	✓
EXTRA 200	50075R (*C-Box)		230V~1ph	200 A	30/200	1,6-5,0 mm	DM25 - 9mm		✓	✓
ANTARES 130	50130 (*C-Box)		230V~1ph	130 A	20/130	1,6-3,25 mm	DM25 - 9mm			✓
ANTARES 160	51160 (*C-Box)		230V~1ph	160 A	15/160	1,6-4,0 mm	DM25 - 9mm			✓
ANTARES 200	51200 (*C-Box)		230V~1ph	200 A	15/200	1,6-5,0 mm	DM25 - 9mm			✓
IRIS 150		61235 (*C-Bag)	230V~1ph	130 A	10/130	1,6-3,2 mm	DM25 - 9mm			✓
IRIS 180		61245 (*C-Bag)	230V~1ph	160 A	10/160	1,6-4 mm	DM25 - 9mm			✓
IRIS 220		61275 (*C-Bag)	230V~1ph	200 A	10/200	1,6-5 mm	DM25 - 9mm			✓
MEGA 150		62235 (*P-Case)	230V~1ph	130 A	10/130	1,6-3,25 mm	DM25 - 9mm			✓
MEGA 180		62245 (*P-Case)	230V~1ph	160 A	10/160	1,6-4 mm	DM25 - 9mm			✓
MEGA 220		62275 (*P-Case)	230V~1ph	190 A	10/160	1,6-4(5) mm	DM25 - 9mm			✓
MIKRO 164		66264 (*P-Case)	230V~1ph	140 A	20/140	1,6-4 mm	DM25 - 9mm			✓
MIKRO 184		66284 (*P-Case)	230V~1ph	160 A	20/160	1,6-4 mm	DM25 - 9mm			✓
MIKROTIG 150		68250 (*P-Case)	230V~1ph	130 A	20/130	1,6-3,25 mm	DM25 - 9mm	✓		✓
MIKROTIG 170		68270 (*P-Case)	230V~1ph	150 A	20/150	1,6-4 mm	DM25 - 9mm	✓		✓
MIKROTIG 200		68300 (*P-Case)	230V~1ph	200 A	20/160	1,6-4(5) mm	DM25 - 9mm	✓		✓
ELX 4000	67855 (*C-Box)		MMA 230V~1ph MMA 127V~1ph TIG 230V~1ph TIG 127V~1ph	MMA 160A (230) MMA 130A (127) TIG 160A (230) TIG 130A (127)	MMA 15/160 MMA 15/130 TIG 15/160 TIG 15/130	1,6-4 mm 1,6-3,25 mm	DM50 - 13mm	✓		✓
ELX 7000	67875 (*C-Box)		MMA 230V~1ph MMA 127V~1ph TIG 230V~1ph TIG 127V~1ph	MMA 15/200 MMA 15/130 TIG 15/200 TIG 15/130	MMA 15/200 MMA 15/130 TIG 15/200 TIG 15/130	1,6-5 mm 1,6-3,25 mm	DM50 - 13mm	✓		✓

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*P-Case=
Plastic Case



*C-Bag=
Carton Bag



*C-Box=
Box



*Trolley



EXTRA 170 - 200

IGBT
INSULATED
GATE
BIPOLAR
TRANSISTOR

21S
IP

F
CLASS



<50W

η
>80%



INVERTER



**FLEX INPUT
VOLTAGE**



**CONNECTABLE TO
POWER GENERATOR**



MMA



**SCRATCH
TIG**

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



**ELECTRODES
E6013 RUTILE**



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

**ELECTRODES
E6013 RUTILE**



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	 CODE	 50-60Hz	 P _{MAX} W	 V _O	 I ₂ [A] MIN MAX	 X ₁ /I ₂ [A] 40° EN 60974-1	 X ₂₀ °C	 Ø MIN MAX		 Kg					
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
			KVA	KW											
EXTRA 170	50045R	230V~1ph	5,3	4,0	60	30-160	30/160	160A@60%	1,6-4,0	0,012m³	3,7	350x135x255	1	96	8004386500453
EXTRA 200	50075R	230V~1ph	6,6	4,9	60	30-200	30/200	200A@60%	1,6-5,0	0,012m³	4,1	350x135x255	1	96	8004386500750



ANTARES 130 - 160 - 200



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED GATE BIPOLAR TRANSISTOR

21S IP

F CLASS



<50W

η
>80%



INVERTER



WIDE INPUT VOLTAGE



CONNECTABLE TO POWER GENERATOR



MMA

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



ELECTRODES E6013 RUTILE



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

ELECTRODES E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018

TECHNICAL SPECIFICATIONS

	CODE			V_o	$I_2 [A]$	$X_s / I_2 [A]$	$X_{20^\circ C}$							
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
ANTARES 130	50130	230V~1ph	5,9 3,9	73	15-130	20/130	130A@60%	1,6-3,25	0,062m³	4,2	291x303x708	5	140	8004386501306
ANTARES 160	51160	230V~1ph	6,5 5,0	86	15-160	15/160	160A@45%	1,6-4,0	0,021m³	5,0	165x290x350	1	98	8004386511602
ANTARES 200	51200	230V~1ph	8,7 6,8	84	15-200	15/200	200A@45%	1,6-5,0	0,019m³	5,5	400x165x290	1	98	8004386512005



IRIS 150 - 180 - 220



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED GATE
BIPOLAR TRANSISTOR

21S
IP

F
CLASS



<50W

η
>80%



INVERTER



WIDE INPUT VOLTAGE



CONNECTABLE TO POWER GENERATOR



MMA

NORMAL USE

Ø	1,6 mm	2 mm	2,5 mm	3,2 mm	4,0 mm	5,0 mm
I ₂	40A	55A	80A	100A	160A	200A
IRIS 150	X ₉₆ *	100%	100%	100%	75%	-
IRIS 180	X ₉₆ *	100%	100%	100%	75%	-
IRIS 220	X ₉₆ *	100%	100%	100%	100%	75%

AWELCO - NOT EN60974-1

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



ELECTRODES E6013 RUTILE



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

ELECTRODES E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX}		 V _o	 I ₂ [A] MIN MAX	 X _% /I ₂ [A] 40° EN 60974-1	 X ₂₀ °C	 Ø MIN MAX		 Kg	 H W L			 BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
IRIS 150	61235	230V~1ph	5,7	4,3	70	15-140	10/140	140A@30%	1,6-3,25	0,017m³	5,0	370x165x275	1	84	8004386612354
IRIS 180	61245	230V~1ph	6,8	5,2	82	15-160	10/160	160A@30%	1,6-4,0	0,017m³	5,3	370x165x275	1	84	8004386612453
IRIS 220	61275	230V~1ph	8,7	6,8	71	15-200	10/200	200A@30%	1,6-5,0	0,017m³	5,8	370x165x275	1	84	8004386612750



MEGA 150 - 180 - 220



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED
GATE
BIPOLAR
TRANSISTOR

21S
IP

F
CLASS



<50W

η
>80%



INVERTER



**WIDE INPUT
VOLTAGE**



**CONNECTABLE TO
POWER GENERATOR**



MMA

NORMAL USE

MEGA SERIES	Ø /	1,6 mm	2 mm	2,5 mm	3,2 mm	4,0 mm	5,0 mm
	I ₂	40A	55A	80A	100A	160A	190A
MEGA 150	X ₉₆ *	100%	100%	100%	75%	-	-
	50° pause ≤ 10mm	10,3	8,3	7,9	5,6	-	-
MEGA 180	X ₉₆ *	100%	100%	100%	100%	75%	-
	50° pause ≤ 10mm	10,3	8,3	7,9	7,5	4,7	-
MEGA 220	X ₉₆ *	100%	100%	100%	100%	100%	75%
	50° pause ≤ 10mm	10,3	8,3	7,9	7,5	6,3	4,7

AWELCO - NOT EN60974-1

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



ELECTRODES
E6013 RUTILE



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

ELECTRODES
E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS															
	 CODE	 50-60Hz	 P _{MAX}	 V ₀	 I ₂ [A] MIN MAX	 X _% /I ₂ [A] 40° EN 60974-1	 X ₂₀ °C	 Ø MIN MAX		 Kg	 H x W x L			 BAR CODE	
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MEGA 150	62235	230V~1ph	5,7	4,3	70	15-140	10/140	140A@30%	1,6-3,25	0,029m³	5,5	410x200x350	4	48	8004386622353
MEGA 180	62245	230V~1ph	6,8	5,2	82	15-160	10/160	160A@30%	1,6-4,0	0,029m³	5,8	410x200x350	4	48	8004386622452
MEGA 220	62275	230V~1ph	8.7	6.8	71	15-200	10/200	200A@30%	1.6-5.0	0.029m³	6,4	410x200x350	4	48	8004386622759



MIKRO 164 - 184



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED
GATE
BIPOLEAR
TRANSISTOR

21S
IP

F
CLASS



<50W

η
>80%



INVERTER



**WIDE INPUT
VOLTAGE**



**CONNECTABLE TO
POWER GENERATOR**



MMA

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



ELECTRODES
E6013 RUTILE



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

ELECTRODES
E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018

TECHNICAL SPECIFICATIONS

	 CODE	 50-60Hz	 P _{MAX}	 V _o	 I ₂ [A] MIN MAX	 X _% /I ₂ [A] 40° EN 60974-1	 X _{20°C}	 Ø MIN MAX		 Kg	 H W L			 BAR CODE	
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER KVA KW		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MIKRO 164	66264	230V~1ph	5,7	4,3	70	15-140	20/140	140A@60%	1,6-4,0	0,029m³	5,6	410x200x350	4	48	8004386662649
MIKRO 184	66284	230V~1ph	6,8	5,2	82	15-160	20/160	160A@60%	1,6-4,0	0,029m³	6,1	410x200x350	4	48	8004386662847



MIKROTIG 150 - 170 - 200



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED GATE BIPOLAR TRANSISTOR

21S IP

F CLASS



<50W

η
>80%



INVERTER

WIDE INPUT VOLTAGE

CONNECTABLE TO POWER GENERATOR

MMA

TIG LIFT

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



ELECTRODES E6013 RUTILE



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

ELECTRODES E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P _{MAX} W	V ₀	I ₂ [A] MIN MAX	X% / I ₂ [A] 40° EN 60974-1	X _{20°C}			Kg	H x W x L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER KVA KW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MIKROTIG 150	68250	230V~1ph	5,7 4,3	MMA 70 TIG 14	15-140	20/140	140A@60%	1,6-4,0	0,029m³	5,6	410x200x350	4	48	8004386682500
MIKROTIG 170	68270	230V~1ph	6,8 5,2	MMA 82 TIG 14	15-160	20/160	160A@60%	1,6-4,0	0,029m³	6,1	410x200x350	4	48	8004386682708
MIKROTIG 200	68300	230V~1ph	8,7 6,8	MMA 71 TIG 14	15-200	20/200	200A@60%	1,6-5,0	0,029m³	6,5	410x200x350	4	48	8004386683002



ELX 4000 - 7000



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

21S
IP

21S
IP

H
CLASS



<50W

DM50
SOCKET
Ø 13mm

η
>80%



INVERTER



**CONNECTABLE TO
POWER GENERATOR**



MMA



TIG LIFT



MULTIVOLT



CONNECTOR
35-50

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



TIG TORCH
17V
COD. 96000



CONNECTOR 25 TO 35
ADAPTER
COD. 90634



KIT
COD. 96009
(96000 + 90634)

ELECTRODES
E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE		 50-60Hz	 P _{MAX} MVA	V ₀	I ₂ [A] MIN MAX	X _% /I ₂ [A] 40° EN 60974-1	X ₂₀ °C	 Ø MIN MAX		 Kg	 H W L			 BAR CODE	
																ORDER CODE
ELX 4000	67855	MMA	230V~1ph 127V~1ph	6,9 (230V) 5,0 (127V)	5,2 (230V) 4,1 (127V)	89 (230V) 89 (127V)	15-160(230V) 15-130(127V)	20/160 35/130	160A@60% (230V) 130A@1000% (127V)	1,6-4,0 (230V) 1,6-3,25 (127V)	0,052m³	9,0	555x285x340	1	35	8004386678558
				4,8 (230V) 3,5 (127V)	3,5 (230V) 2,7 (127V)	89/14 (230V) 89/14 (127V)	15-160(230V) 15-130(127V)	40/160 50/130	160A@100% (230V) 130A@1000% (127V)	1,6-3,25 (230V) 1,6-3,25 (127V)						
	67875	MMA	230V~1ph 127V~1ph	9,2 (230V) 5,9 (127V)	6,9 (230V) 4,0 (127V)	89 (230V) 89 (127V)	15-200(230V) 15-130(127V)	15/200 35/130	200A@45% (230V) 200A@1000% (127V)	1,6-5,0 (230V) 1,6-3,25 (127V)						
				6,4 (230V) 3,7 (127V)	4,7 (230V) 2,7 (127V)	89/14 (230V) 89/14 (127V)	15-200(230V) 15-130(127V)	30/200 50/130	200A@90% (230V) 130A@1000% (127V)	1,6-3,25 (230V) 1,6-3,25 (127V)						





► HOBBY 

MIG INVERTER

	CODE						GAS NO GAS
EASYMIG 100	58800	230V~1ph	100 A	20/100	100 mm	DIRECT	
EASYMIG 120	58812	230V~1ph	100 A	20/100	100 mm	DIRECT	
EASYMIG 130	58820	230V~1ph	MIG 130 A MMA 100 A TIG 100 A	MIG 30/130 MMA 30/100 TIG 30/100	100 mm and with REEL BRACKET 200 mm	DIRECT	√
EASYMIG 160	58830	230V~1ph	MIG 150 A MMA 120 A TIG 120 A	MIG 30/150 MMA 30/120 TIG 30/120	100 mm and with REEL BRACKET 200 mm	DIRECT	√
EASYMIG 180	58840	230V~1ph	MIG 170 A MMA 140 A TIG 140 A	MIG 30/170 MMA 30/140 TIG 30/140	100 mm and with REEL BRACKET 200 mm	DIRECT	√
EASYMIG 180 EURO	58845	230V~1ph	MIG 170 A MMA 140 A TIG 140 A	MIG 30/170 MMA 30/140 TIG 30/140	100 mm and with REEL BRACKET 200 mm	DIRECT	√
MIKROMIG 1800	59840	230V~1ph	MIG 170 A MMA 140 A TIG 140 A	MIG 30/170 MMA 30/140 TIG 30/140	100 mm and with REEL BRACKET 200 mm	DIRECT	√
MIKROMIG 2000	59850	230V~1ph	MIG 200 A MMA 200 A TIG 200 A	MIG 30/200 MMA 30/200 TIG 30/200	100 mm and with REEL BRACKET 200 mm	DIRECT	√

EASYMIG 100	22
EASYMIG 120	23
EASYMIG 130	24
EASYMIG 160	24
EASYMIG 180	24
EASYMIG 180 EURO	25
MIKROMIG 1800	26
MIKROMIG 200	27



Ø100mm = 1kg Ø200mm = 5kg Ø300mm = 15kg



EASYMIG 100



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

21S IP

NO LIVE TORCH

H CLASS

SPOOL
Ø100
SUPPORTED



NO GAS ONLY



WIRE SPEED
0

<50W



η
>80%



COMPACT

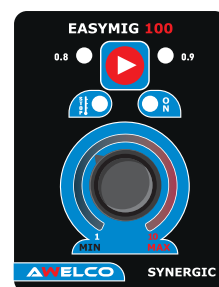
INVERTER

CONNECTABLE TO POWER GENERATOR

MIG

SYNERGIC

• SPEED • AMPERAGE
• VOLTAGE • INDUCTANCE



OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

ANTI SPATTER SPRAY
COD. 92530



PRO HAMMER BRUSH
COD. 80000



ACCESSORIES INCLUDED



FLUX Ø0,9 mm
SPOOL Ø100mm

Ø100mm	FLUX
58800	0,8-0,9Ø

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS														
	CODE	 50-60Hz	 P _{MAX}	 V ₀	 I ₂ [A] MIN MAX	 X _% /I ₂ [A] 40° EN 60974-1	 X _{20°C}		 Kg	 H W L			 BAR CODE	
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
			kVA	kW										
EASYMIG 100	58800	230V~1ph	3.3	2.3	47	15-100	20/100	100A@60%	0.027m³	6.1	265x250x400	1	63	8004386588000



EASYMIG 120



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

21S IP

NO LIVE TORCH

H CLASS

SPOOL
Ø100
SUPPORTED



NO GAS ONLY



WIRE SPEED
0

<50W



η
>80%



INVERTER

CONNECTABLE TO POWER GENERATOR

MIG

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

ANTI SPATTER SPRAY
COD. 92530



PRO HAMMER BRUSH
COD. 80000



ACCESSORIES INCLUDED



FLUX Ø0,9 mm
SPOOL Ø100mm

Ø100mm	FLUX
58812	0,8-0,9Ø

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX}		V ₀	 I ₂ [A] MIN → MAX	 X _% /I ₂ [A] 40° EN 60974-1	X _{20°C}		 Kg	 H W L			 BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
			kVA	kW										
EASYMIG 120	58812	230V~1ph	3,2	2,4	22	15-100	20/100	100A@60%	0,03m³	7,4	375x335x225	1	50	8004386588123



EASYMIG 130 - 160 - 180



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

21S
IP

NO LIVE
TORCH

H
CLASS

SPOOL
Ø100
SUPPORTED



GAS
NO GAS



WIRE SPEED

<50W



η
>80%



INVERTER

CONNECTABLE TO POWER GENERATOR

TIG LIFT

MMA

MIG

REEL BRACKET 5KG



COD. 90891

Ø100 and with REEL BRACKET 200mm	SG2	INOX	FLUX
58820	0,6-1,0Ø	0,6-1,0Ø	0,8-0,9Ø
58830	0,6-1,0Ø	0,6-1,0Ø	0,8-0,9Ø
58840	0,6-1,0Ø	0,6-1,0Ø	0,8-0,9Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



GLOVES
COD. 90330



TIG TORCH
17V
COD. 96000



WIRE



ANTI SPATTER SPRAY
COD. 92530



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

PRO HAMMER BRUSH
COD. 80000



ACCESSORIES INCLUDED



FLUX Ø0,9 mm
SPOOL Ø100mm

ELECTRODES

Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P _{MAX}	V ₀	I ₂ [A] MIN MAX	X _% /I ₂ [A] 40° EN 60974-1	X _{20°C}	Ø MIN MAX		Kg				
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
EASYMIG 130	58820	230V~1ph	MIG 4,3 MMA 3,7 TIG 2,4	56	MIG 20-130 MMA 20-100 TIG 20-100	MIG 30/130 MMA 30/100 TIG 30/100	130A@90%	1,6-2,5	0,028m³	9,7	375x330x230	1	50	8004386588208
EASYMIG 160	58830	230V~1ph	MIG 5,1 MMA 4,6 TIG 3,1	56	MIG 20-150 MMA 20-120 TIG 20-120	MIG 30/150 MMA 30/120 TIG 30/120	150A@90%	1,6-3,25	0,028m³	9,7	375x330x230	1	50	8004386588307
EASYMIG 180	58840	230V~1ph	MIG 6,0 MMA 5,5 TIG 3,6	56	MIG 20-170 MMA 20-140 TIG 20-140	MIG 30/170 MMA 30/140 TIG 30/140	170A@90%	1,6-4,0	0,028m³	9,7	375x330x230	1	50	8004386588406



EASYMIG 180 EURO



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

21S
IP

NO LIVE
TORCH

H
CLASS

SPOOL
Ø100
SUPPORTED



GAS
NO GAS



WIRE SPEED

<50W



η
>80%



INVERTER

CONNECTABLE TO
POWER GENERATOR

TIG LIFT

MMA

MIG

REEL BRACKET
5KG



COD. 90890

	SG2	INOX	FLUX
Ø100 and with REEL BRACKET 200mm	58845	0,6-1,0Ø	0,8-0,9Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



TIG TORCH
17V
COD. 96000



PRO HAMMER BRUSH
COD. 80000



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92903
STEEL Ø0,6mm - 0,5kg
COD. 92916
STEEL Ø0,8mm - 0,5kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92943
INOX Ø0,8mm - 0,5kg

ACCESSORIES INCLUDED



FLUX Ø0,9 mm
SPOOL Ø100mm

ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX} MVA	V ₀	 I ₂ [A] MIN MAX	 X _s /I ₂ [A] 40° EN 60974-1	X _{20°C}	 Ø MIN MAX		 Kg	 H W L			 BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
EASYMIG 180 EURO	58845	230V~1ph	MIG 6,0 MIG 4,6 MMA 5,5 MMA 4,3	56	MIG 20-170 MMA 20-140	MIG 30/170 MMA 30/140	170A@90%	1,6-4,0	0,028m³	10,9	375x330x230	1	50	8004386588451



MIKROMIG 1800



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

21S IP

NO LIVE TORCH

H CLASS

SPOOL
Ø100
Ø200
SUPPORTED



GAS
NO GAS



WIRE SPEED
DIN 11 13

<50W



η
>80%



INVERTER

CONNECTABLE TO POWER GENERATOR

TIG LIFT

MMA

MIG



Ø100 - 200mm

59840

SG2

0,6-1,0Ø

INOX

0,6-1,0Ø

FLUX

0,8-0,9Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



TIG TORCH
17V
COD. 96000



PRO HAMMER BRUSH
COD. 80000



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92920
STEEL Ø0,8mm - 5,0kg
COD. 92941
INOX Ø0,8mm - 5,0kg
COD. 92970
FLUX Ø0,9mm - 4,5kg

ACCESSORIES INCLUDED



FLUX Ø0,9 mm
SPOOL Ø100mm

ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE	V ₀	P _{MAX}	V ₀	I ₂ [A]	X _% /I ₂ [A] 40° EN 60974-1	X _{20°C}	MIN MAX	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MIKROMIG 1800	59840	230V~1ph	MIG 6,0 MMA 5,5 TIG 3,6 MIG 4,6 MMA 4,3 TIG 2,7	56	MIG 20-170 MMA 20-140 TIG 20-140	MIG 30/170 MMA 30/140 TIG 30/140	170A@90%	1,6-4,0	0,061m³	12,6	260x390x600	1	30	8004386598405



MIKROMIG 2000



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

21S IP

NO LIVE TORCH

H CLASS

SPOOL
Ø100
SUPPORTED



GAS
NO GAS



WIRE SPEED
DIN 4/9-13

<50W



η
>80%



INVERTER

CONNECTABLE TO POWER GENERATOR

TIG LIFT

MMA

MIG



Ø100 - 200mm

59850

SG2

0,6-1,0Ø

INOX

0,6-1,0Ø

FLUX

0,8-0,9Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



TIG TORCH
17V
COD. 96000



PRO HAMMER BRUSH
COD. 80000



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92920
STEEL Ø0,8mm - 5,0kg
COD. 92941
INOX Ø0,8mm - 5,0kg
COD. 92970
FLUX Ø0,9mm - 4,5kg

ACCESSORIES INCLUDED



FLUX Ø0,9 mm
SPOOL Ø100mm

ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE	V ₀	P _{MAX}	V ₀	I ₂ [A]	X _% /I ₂ [A]	X _{20°C}	Ø MIN MAX	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MIKROMIG 2000	59850	230V~1ph	MIG 7,6 MMA 8,8 TIG 6,1 MIG 6,0 MMA 6,8 TIG 4,7	55	MIG 20-200 MMA 20-200 TIG 20-200	MIG 15/200 MMA 15/200 TIG 15/200	200A@45%	1,6-5,0	0,061m³	14,1	260x390x600	1	30	8004386598504



► HOBBY 

PLASMA INVERTER

	CODE	 50-60Hz	 A _{MAX}	 X-/I _z [A] 40° EN 60574-1	INPUT PRESSURE	MAX CUT SEPARATION	FUNCTION
PLASMA 40	53185	230V~1ph	40 A	20/40	3 BAR	100 mm	PLASMA



PLASMA 40



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

21S
IP

H
CLASS



<50W

η
>80%

AIR
COMPRESSOR
REQUIRED

MIN
6 Bar



INVERTER



CUT UP TO
10 - 12 mm



OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



TORCH CONSUMABLES



PLASMA ELECTRODES
Elettrodo Plasma
21,8mm
COD. 95111



AIR DIFFUSER
Diffusore Aria
COD. 95112



Tip
Ugello
Cod. 95113



RETAINING CAP
Ugello esterno
COD. 95114

ACCESSORIES INCLUDED



MAX CUTTING THICKNESS (mm)

↓
Cutting
Thickness
↑
10 / 12 mm

CUTTING / SEPARATION

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	MAX	V_0	$I_2[A]$ MIN MAX	$X_{\%}/I_2[A]$ 40° EN 60974-1	$X_{20^\circ C}$			Kg	H W L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	MAX CUTTING THICKNESS (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
PLASMA 40	53185	230V~1ph	5,8 4,9	270	15-40	20/40	40A@60%	10	0,061m³	8,2	230x290x460	1	42	8004386531853





► HOBBY 

BATTERY CHARGER & BOOSTER

	CODE	 50-60Hz		 MAINTENANCE	 AUTOMATIC SWITCH OFF	 Pb	 Gel	 Pb/Ca	 Agm
BAT 10	77510	230V~1ph	12 V			√			
BAT 13	77500	230V~1ph	6 - 12 V	2	√	√			
BAT 14	77540	230V~1ph	6 - 12 V	2	√	√			
BAT 15	77550	230V~1ph	12 - 24 V	2	√	√			
ENERBOX 15	71200	230V~1ph	12 - 24 V	2	√	√			
PROFESSIONAL 30	72110	230V~1ph	12 - 24 V	4	√	√			
PROFESSIONAL 40	72210	230V~1ph	12 - 24 V	4	√	√			
PROFESSIONAL 160	74160	230V~1ph	12 V	3	√	√			√
PROFESSIONAL 210	74020	230V~1ph	12 - 24 V	3	√	√			√
THOR 150	74100	230V~1ph	12 V	3	√	√			√
THOR 320	75010	230V~1ph	12 - 24 V	6	√	√			√
MISTER CHARGE 600	80041	100-240V~1ph	12 V						
MISTER CHARGE 800	80042	100-240V~1ph	12 V						
MISTER CHARGE 1000	80043	100-240V~1ph	12 V						

BAT 10	34
BAT 13	34
BAT 14	34
BAT 15	35
ENERBOX 15	36
PROFESSIONAL 30	37
PROFESSIONAL 40	37
PROFESSIONAL 160	38
PROFESSIONAL 210	38
THOR 150	39
THOR 320	39
MISTER CHARGE 600	40
MISTER CHARGE 800	41
MISTER CHARGE 1000	42



BAT 10 - 13 - 14

BAT 10



CHARGER

BAT 13-14



BAT 10

12V

BAT 13 - 14

6V

12V



Ah

BAT 10

5-30 Ah

BAT 13

5-40 Ah

BAT 14

8-65 Ah



Pb

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 60% WME		IEFF	I ₂						
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EFFECTIVE CURRENT	EN60335 12 V	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	PCS PER EURO PALLET	BAR CODE
BAT 10	77510	230V~1ph	50 W	12 V	3,1 A	2,1 A	0,005m ³	1,5	210x115x215	8	168	8004386775103
BAT 13	77500	230V~1ph	65 W	12 V 6 V	4,0 A	2,7 A	0,005m ³	1,6	210x115x215	8	168	8004386775004
BAT 14	77540	230V~1ph	80 W	12 V 6 V	6,3 A	4,2 A	0,005m ³	1,9	210x115x215	8	168	8004386775400



BAT 15



CHARGER



12V

24V



EMC
IEC 60974-10

SAFETY LVD
IEC 60974-1



Ah

BAT 15

15-110 Ah (12V)
8-55 Ah (24V)



Pb

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 60% WME		I _{EFF}	I ₂		 Kg			 BAR CODE	
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EFFECTIVE CURRENT	EN60335 12 V	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	PCS PER EURO PALLET	BAR CODE
BAT 15	77550	230V~1ph	130 W	24 V 12 V	5,2 A 10,6 A	3,5 A 7,1 A	0,007m³	3,4	225x130x250	5	150	8004386775509



ENERBOX 15



CHARGER



**REVERSE
POLARITY
PROTECTION**



EMC
IEC 60974-10

**SAFETY
LVD**
IEC 60974-1



24V

12V



Ah

ENERBOX 15

20-150 Ah



Pb

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{max}		I _{EFF}	I ₂		 Kg				
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EFFECTIVE CURRENT	EN60335 12 V	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	PCS PER EURO PALLET	BAR CODE
ENERBOX 15	71200	230V~1ph	190 W	24 V 12 V	12,2 A	5,5 A 9,8 A	0,009m ³	4,7	290x245x130	2	168	8004386712009



PROFESSIONAL 30 - 40



CHARGER

REVERSE POLARITY PROTECTION

AMPEROMETER

FAST CHARGE

SLOW CHARGE



	PROFESSIONAL 30	PROFESSIONAL 40
	2	2
	2	2



	PROFESSIONAL 30	PROFESSIONAL 40
Ah	30-140 Ah	30-220 Ah
Pb		

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz			I _{EFF}	I ₂								
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EFFECTIVE CURRENT	EN60335 12 V	REGULATIONS N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET		BAR CODE
PROFESSIONAL 30	72110	230V~1ph	200 W 400 W	12 V 24 V	16,2 A 17,5 A	13 A 14 A	4	0,031m³	8,4	380x335x245	1	52		8004386721100
PROFESSIONAL 40	72210	230V~1ph	330 W 660 W	12 V 24 V	25,5 A 27,5 A	20 A 22 A	4	0,031m³	9,1	380x335x245	1	52		8004386722107



PROFESSIONAL 160 - 210



CHARGER

REVERSE POLARITY PROTECTION

AMPEROMETER

FAST CHARGE

SLOW CHARGE

BOOSTER



BOOST	PROFESSIONAL 160	PROFESSIONAL 210	SLOW	PROFESSIONAL 160	PROFESSIONAL 210
P _{abs}	2,7 kW	1,2 kW (12V) 2,2 kW (24V)	FAST	1	2
I _{EFF}	120 A	122 A (12V) 122 A (24V)		1	2
I ₂ 1 V/C	80 A	87 A (12V) 87 A (24V)			
24V	12V	Ah	PROFESSIONAL 160	PROFESSIONAL 210	Pb
			40-140 Ah	60-180 Ah	

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P _{abs}	+ -	I _{EFF}	I ₂	REGULATIONS N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EFFECTIVE CURRENT	EN60335 12 V							
PROFESSIONAL 160	74160	230V~1ph	230 W	12 V	30 A	14 A	3	0,027m³	8,6	380x335x245	1	52	8004386741603
PROFESSIONAL 210	74020	230V~1ph	600 W 265 W	12 V 24 V	25 A 23 A	18,5 A 16,5 A	3	0,027m³	14	380x335x245	1	52	8004386740200



THOR 150 - 320



CHARGER



BOOSTER



FAST CHARGE



SLOW CHARGE



EMC
IEC 60974-10

SAFETY LVD
IEC 60974-1



POLARITY PROTECTION



KIT

ONLY THOR 320



REGULATION:



THOR 320

24V

12V

Pb

TECHNICAL SPECIFICATIONS

	CODE				CHARGE		BOOST										
					I _{EFF}	I ₂	I _{EFF}	I ₂ 1 V/C									
	ORDER CODE	INPUT VOLTAGE	MAX ABSORBED POWER	BATTERY VOLTAGE	EFFECTIVE CURRENT	EN60335	EN60335 12 V	EN60335	CAPACITY		REGULATIONS N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
									MIN	MAX							
THOR 150	74100	230V~1ph	290 W 1,9 kW	12 V	30 A	18 A	120 A	80 A	10Ah (2h)	270Ah (12h)	3	0,016m³	7,8	220x200x370	1	70	8004386741009
THOR 320	75010	230V~1ph	690 W 5,3 kW	12 V 24 V	32 A 25 A	22 A 18 A	210 A 180 A	140 A 120 A	35Ah (2h)	660Ah (24h)	3 + 3	0,042m³	16,5	320x215x620	1	36	8004386750100



MISTER CHARGE 600



BOOSTER

DEVICE CHARGER

MULTIFUNCTION

LiPo BATTERY



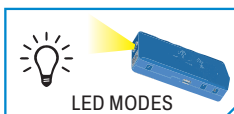
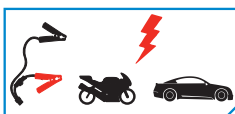
MISTER CHARGE 600

Ah

7200 mAh



4.0L Petrol &
2.5L Diesel



LED MODES

ACCESSORIES INCLUDED



BATTERY CLAMPS



MOBILE CONNECTOR

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	V/I OUTPUT	V/I START	Ah	FULL					
	ORDER CODE	INPUT VOLTAGE	OUTPUT	START	BATTERY CAPACITY	CHARGING TIME	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	BAR CODE
MISTER CHARGE 600	80041	100-240V~1ph	5V/2.1A USB	12V/300A 600A peak	3	4 hours	0,019m³	0,65	200x132x75	10	8004386800416



MISTER CHARGE 800



BOOSTER

DEVICE CHARGER

MULTIFUNCTION

LiPo BATTERY

BATTERY CHARGER INVERTER

BATTERY CHARGER & BOOSTER

MIG TRANSFORMER

MMA TRANSFORMER

PLASMA INVERTER

MIG INVERTER

MMA INVERTER

MISTER CHARGE 600

Ah 10000 mAh

6.0L Petrol & 4.0L Diesel

LED MODES

ACCESSORIES INCLUDED



TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	V/I OUTPUT	V/I START	Ah	FULL		Kg			
	ORDER CODE	INPUT VOLTAGE	OUTPUT	START	BATTERY CAPACITY	CHARGING TIME	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	BAR CODE
MISTER CHARGE 800	80042	100-240V~1ph	5V/2.1A USB	12V/400A 800A peak	3	4 hours	0,027m³	0,95	220x145x86	10	8004386800423



MISTER CHARGE 1000



BOOSTER

DEVICE CHARGER

MULTIFUNCTION

LiPo BATTERY



Ah

MISTER CHARGE 1000

12000 mAh



7.0L Petrol &
5.0L Diesel

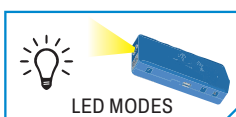
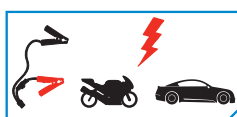
ACCESSORIES INCLUDED



BATTERY CLAMPS



MOBILE CONNECTOR



TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	V/I OUTPUT	V/I START	Ah	FULL		Kg			
	ORDER CODE	INPUT VOLTAGE	OUTPUT	START	BATTERY CAPACITY	CHARGING TIME	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	BAR CODE
MISTER CHARGE 1000	80043	100-240V~1ph	5V/3A 9V/3A 12V/1.5A USB	12V/500A 1000A peak	3	4 hours	0,036m³	1,1	250x160x90	10	8004386800430





► HOBBY 

BATTERY CHARGER INVERTER

	CODE	 50-60Hz		 MAINTENANCE	 AUTOMATIC SWITCH OFF	 Pb	 Gel	 Pb/Ca	 Agm
AUTOMATIC 20	73450	230V~1ph	12 - 24 V	√	√	√	√	√	√
BAT MATIC 13	73408	110-230V~1ph	12 V			√	√	√	√
BAT MATIC 25	73415	110-230V~1ph	12 V			√	√	√	√
BAT MATIC 30	73420	110-230V~1ph	12 - 24 V			√	√	√	√
BAT MATIC 40	73460	110-240V~1ph	12 - 24 V			√	√	√	√

AUTOMATIC 20	46
BAT MATIC 13	47
BAT MATIC 25	48
BAT MATIC 30	49
BAT MATIC 40	50



AUTOMATIC 20



AUTOMATIC SWITCH OFF



RECONDITIONING



CHARGE MODE



MAINTENANCE



PULSE

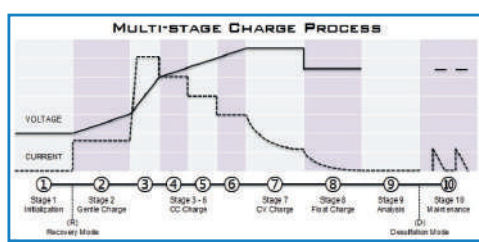


TEST



EASY TO HOOK

10 STAGES



24V

12V



EMC
IEC 60974-10

SAFETY LVD
IEC 60974-1



POLARITY PROTECTION



Ah

AUTOMATIC 20

120 Ah



Pb/Ca



Gel



Agm



Pb

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P		I₂		Kg				BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EN60335 12 V	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	PCS PER EURO PALLET	BAR CODE
AUTOMATIC 20	73450	230V~1ph	110 W	12 V 24 V	6,0 A 3,0 A	0,002m ³	0,8	265x150x65	10	400	8004386734506



BAT MATIC 13



WINTER
SUMMER



MULTIPLE
PROTECTION



INTELLIGENT
DETECTION



Ah

BAT MATIC 13

2 - 20 Ah



Pb/Ca



Gel



Agm



Pb

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P	+ -	I ₂		Kg			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EN60335 12 V	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	BAR CODE
BAT MATIC 13	73408	230V~1ph	31 W	12 V	2,0 A	0,0009m ³	0,26	190x97x50	10	8004386734087



BAT MATIC 25



**PULSE
REPAIR**



**WINTER
SUMMER**



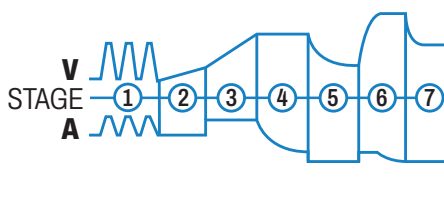
**MULTIPLE
PROTECTION**



**INTELLIGENT
DETECTION**



7 STAGES



EMC
IEC 60974-10

**SAFETY
LVD**
IEC 60974-1



12V



**POLARITY
PROTECTION**



BAT MATIC 25
50-200 Ah



Pb/Ca



Gel



Agm



Pb

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P	 + -	 I ₂		 Kg	 H W L			 BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EN60335 12 V	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	PCS PER EURO PALLET	BAR CODE
BAT MATIC 25	73415	100-230V~1ph	116 W	12 V	7,0 A	0,002m ³	0,8	230x130x65	10	600	8004386734155



BAT MATIC 30



**PULSE
REPAIR**



**WINTER
SUMMER**



**MULTIPLE
PROTECTION**



**INTELLIGENT
DETECTION**

BATTERY CHARGER INVERTER

BATTERY CHARGER & BOOSTER

MIG TRANSFORMER

MMA TRANSFORMER

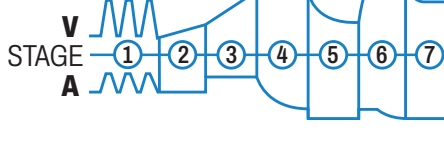
PLASMA INVERTER

MIG INVERTER

MMA INVERTER



7 STAGES



24V

12V

CE

EMC
IEC 60974-10

**SAFETY
LVD**
IEC 60974-1



**POLARITY
PROTECTION**



BAT MATIC 30
12V 50-200 Ah
24V 25-150 Ah

Pb/Ca

Gel

Agm

Pb

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P	+ -	I_2		Kg			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EN60335 12 V	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	PCS PER EURO PALLET
BAT MATIC 30	73420	11 0-230V~1ph	180 W	12 V 24 V	10,0 A 5,0 A	0,002m³	0,8	230x130x65	10	600
										8004386734209



BAT MATIC 40



**PULSE
REPAIR**



**WINTER
SUMMER**



**MULTIPLE
PROTECTION**



**INTELLIGENT
DETECTION**



EMC
IEC 60974-10

**SAFETY
LVD**
IEC 60974-1



**PROFESSIONAL
DIGITAL DISPLAY**

24V

12V



**POLARITY
PROTECTION**



Ah

BAT MATIC 40
12V 2-280 Ah
24V 2-280 Ah



Pb/Ca



Gel



Agm



Pb



Lifepo4

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P	+ -	I ₂		Kg	H x W x L		BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EN60335 12 V 20,0 A 24 V 10,0 A	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER MASTERBOX	BAR CODE
BAT MATIC 40	73460	110-230V~1ph	327 W	12 V 24 V		0,005m ³	1,5	216x192x125	4	8004386734605



AWELCO BAT MATIC 13
BATTERY CHARGER
INVERTER

LED power display
20% 40% 60% 80% 100%

12V



WINTER
SUMMER



MULTIPLE
PROTECTION



INTELLIGENT
DETECTION



PB



PB

6-1
12V7
SEALED LEAD
QUANZHOU FUSHI NG



► INDUSTRIAL 

MMA INVERTER

	CODE	CODE WITH PLASTIC CASE OR CARTON BAG								
ARC 160		51916 (*C-Bag)	230V~1ph	140 A	20/140	1,6-4,0 mm	DM25 - 9mm	√		√
ARC 180		51918 (*C-Bag)	230V~1ph	160 A	20/160	1,6-4,0 mm	DM25 - 9mm	√		√
ARC 250		51925 (*C-Bag)	230V~1ph	200 A	20/200	1,6-4,0 mm	DM25 - 9mm	√		√
PLUS 210	55721 (*C-Box)		230V~1ph	200 A	40/200	1,6-5,0 mm	DM25 - 9mm		√	√
PLUS 250 TIG LIFT	55725 (*C-Box)		230V~1ph	220 A	40/220	1,6-3,2 mm	DM25 - 9mm			√
PLUS 210 CELL	55730 (*C-Box)		230V~1ph	200 A	40/200	1,6-3,2 mm	DM25 - 9mm			√
PRESIDENT 350	58850 (*C-Box)		400V~3ph	320 A	60/320	1,6-4 mm	DM25 - 9mm			√
PRESIDENT 500	58860 (*C-Box)		400V~3ph	500 A	60/500	1,6-5 mm	DM25 - 9mm			√

ARC 160	_____	54
ARC 180	_____	54
ARC 250	_____	55
PLUS 210	_____	56
PLUS 250 TIG LIFT	_____	57
PLUS 210 CELL	_____	58
PRESIDENT 350	_____	59
PRESIDENT 500	_____	59




*P-Case= Plastic Case



*C-Bag= Carton Bag



*C-Box= Box



*Trolley



ARC 160 - 180 - 250



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED GATE BIPOLAR TRANSISTOR

21S IP

F CLASS



ARC FORCE



<50W



HOT START



>80%



ANTI STICK



MAXI DISPLAY



INVERTER



WIDE INPUT VOLTAGE



CONNECTABLE TO POWER GENERATOR



MMA



MMA SYNERGIC



TIG LIFT



ADJUSTABLE ARC FORCE



ADJUSTABLE HOT START

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



ELECTRODES E6013 RUTILE



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

ELECTRODES E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX} MW		V _o	 I ₂ [A] MIN MAX	 X% / I ₂ [A] 40° EN 60974-1	X ₂₀ °C	 W MIN MAX	 Kg	 H MIN MAX				 BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
			KVA	KW											
ARC 160	51916	230V~1ph	5,7	4,3	70	15-140	20/140	140A@60%	1,6-4,0	0,022m³	5,0	180x310x390	1	72	8004386519165
ARC 180	51918	230V~1ph	6,8	5,2	82	15-160	20/160	160A@60%	1,6-4,0	0,022m³	5,3	180x310x390	1	72	8004386519189
ARC 250	51925	230V~1ph	8,7	6,8	71	15-200	20/200	200A@60%	1,6-5,0	0,022m³	5,8	180x310x390	1	72	8004386519257



PLUS 210



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED GATE BIPOLAR TRANSISTOR

21S IP

H CLASS



<50W

DM50 SOCKET
Ø 13mm

η
>80%



INVERTER



WIDE INPUT VOLTAGE



CONNECTABLE TO POWER GENERATOR



MMA

100% DUTY CYCLE



CONNECTOR 35-50

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



ELECTRODES E6013 RUTILE



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

ELECTRODES E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX} kW	V ₀	I ₂ [A] MIN MAX	X _u /I ₂ [A] 40° EN 60974-1	X ₂₀ °C	 Ø MIN MAX		 Kg	 H x W x L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
PLUS 210	55721	230V~1ph	8,5 6,5	90	15-200	40/200	200A@100%	1,6-5,0	0,037m³	9,2	230x350x460	1	35	8004386557211



PLUS 250 TIG LIFT



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED GATE BIPOLAR TRANSISTOR

21S IP

H CLASS



<50W

DM50 SOCKET
Ø 13mm

η
>80%



INVERTER



WIDE INPUT VOLTAGE



CONNECTABLE TO POWER GENERATOR

100% DUTY CYCLE



MMA



TIG LIFT



CONNECTOR 35-50

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



TIG TORCH
17V
COD. 96000



CONNECTOR 25 TO 35
ADAPTER
COD. 90634



KIT
COD. 96009
(96000 + 90634)

ELECTRODES E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX} ME	V ₀	I ₂ [A] MIN MAX	X _u /I ₂ [A] 40° EN 60974-1	X ₂₀ °C	 Ø MIN MAX		 Kg	 H W L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
PLUS 250 TIG LIFT	55725	230V~1ph	9,6 7,4	65	15-220	40/220	220A@100%	1,6-5,0	0,037m³	10,1	230x350x460	1	35	8004386557259



PLUS 210 CELL



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED GATE BIPOLAR TRANSISTOR

21S IP

H CLASS



<50W

DM50 SOCKET
13mm

η
>80%



INVERTER



WIDE INPUT VOLTAGE
170-250



CONNECTABLE TO POWER GENERATOR



MMA

100% DUTY CYCLE



CONNECTOR 35-50

SUITABLE FOR CELLULOSIC AWS E6010

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



ELECTRODES E6013 RUTILE



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

ELECTRODES E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15
Cellulosico/Cellulosic - AWS E6010

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX} ME	 V ₀	 I ₂ [A] MIN MAX	 X _u /I ₂ [A] 40° EN 60974-1	 X ₂₀ °C	 Ø MIN MAX		 Kg	 H W L			 BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE V ₀ V _{ie} c	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
PLUS 210 CELL	55730	230V~1ph	8,5 7,0	75V >90V	15-200	40/200	200A@100%	1,6-5,0	0,037m³	9,1	230x350x460	1	35	8004386557303



PRESIDENT 350 - 500



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED
GATE
BIPOLAR
TRANSISTOR

21S
IP

H
CLASS



DM50
SOCKET
Ø 13mm

<50W

3PH

η
>85%



INVERTER

**CONNECTABLE TO
POWER GENERATOR**

CONNECTOR
35-50

VRD VOLTAGE
REDUCTION
DEVICE

MMA

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



**ELECTRODES
E6013 RUTILE**



COD. 90470
Ø2,0mm - 25pcs
COD. 90480
Ø2,0mm - 50pcs
COD. 90471
Ø2,5mm - 25pcs
COD. 90481
Ø2,5mm - 50pcs
COD. 90490
Ø3,2mm - 15pcs

**ELECTRODES
E6013 RUTILE**



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15
Cellulosico/Cellulosic - AWS E6010

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX}	V ₀	 I ₂ [A] MIN MAX	 X _u /I ₂ [A] 40° EN 60974-1	X ₂₀ °C	 Ø MIN MAX		 Kg	 H W L			 BAR CODE	
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
PRESIDENT 350	58550	400V~3ph	15,9	12,4	72	40-320	60/320	320A@100%	1,6-6,0	0,08m³	19,5	300x450x550	1	16	8004386585504
PRESIDENT 500	58600	400V~3ph	29,4	23,5	80	40-500	60/500	500A@100%	1,6-8,0	0,12m³	33	340x520x660	1	9	8004386586006





► INDUSTRIAL 

MIG TIG MMA INVERTER

	CODE						GAS NO GAS
MULTI MIKRO 160	59065	230V~1ph	160 A - MIG 140 A - MMA 140 A - TIG	20/160 - MIG 20/140 - MMA 20/140 - TIG	Ø100/200 and with REEL BRACKET 300mm	DIRECT	✓
MULTI MIKRO 200	59095	230V~1ph	200 A - MIG 200 A - MMA 200 A - TIG	20/200 - MIG 20/200 - MMA 20/200 - TIG	Ø100/200 and with REEL BRACKET 300mm	EURO	✓
SMARTMIG 2200	59190	230V~1ph	200 A - MIG 200 A - MMA 200 A - TIG	30/200	Ø100/200 and with REEL BRACKET 300mm	EURO	✓
TRIS 250	N18190	230V~1ph	200 A - MIG 200 A - MMA 200 A - TIG	30/200 - MIG 30/200 - MMA 30/200 - TIG	Ø100/200/300 mm	EURO	✓
SINERGY 250	N18200	230V~1ph	200 A - MIG 200 A - MMA 200 A - TIG	30/200	Ø100/200/300 mm	EURO	✓
DOUBLE PULSEMIG 2500	59210	230V~1ph	200 A - MIG 180 A - MMA 180 A - TIG	30/200 - MIG 30/180 - MMA 30/180 - TIG	Ø100/200/300 mm	EURO	✓
MIG 352	N18331	230V~1ph	250 A - MIG 250 A - MMA 250 A - TIG	60/250	Ø200/300mm and Ø100 with SPOOL GUN	EURO	✓
MIG 350	N18431	400V~3ph	250 A - MIG 250 A - MMA 250 A - TIG	60/250	Ø200/300mm and Ø100 with SPOOL GUN	EURO	✓
MIG 500	N18471	400V~3ph	400 A - MIG 400 A - MMA	60/400	Ø200/300mm and Ø100 with SPOOL GUN	EURO	✓
MIG 350 SWF SYNERGIC PULSE	N18715	400V~3ph	350 A	100/350	Ø200/300mm	EURO	✓
MIG 500 SWF SYNERGIC PULSE	N18720	400V~3ph	500 A	100/500	Ø200/300mm	EURO	✓
MIG 550 SWF SYNERGIC DOUBLE PULSE	N18750	400V~3ph	500 A - MIG 500 A - MMA	100/500	Ø100 mm	EURO	✓

	CODE					AC / DC	PULSE
TIG 200 I HF-DC PULSE	58195	230V~1ph	160 A - MMA	20/160 MMA	✓	DC	✓
TIG 200 AC / DC PULSE	58021	230V~1ph	200A (AC) 170A (DC) - TIG 170 A - MMA	20/170 MMA TIG 35/200 (AC) TIG 40/170 (DC)	✓	AC / DC	✓
TIG 210 AC / DC PFC	58201	230V~1ph	210 A - TIG 160 A - MMA	35/210 TIG 25/160 MMA	✓	AC / DC	✓
TIG 320 AC / DC	58320	400V~3ph	320 A - TIG 320 A - MMA	35/320 TIG 20/320 MMA	✓	AC / DC	✓

MULTI MIKRO 160	62
MULTI MIKRO 200	63
SMARTMIG 2200	64
TRIS 250	65
SINERGY 250	66
DOUBLE PULSEMIG 2500	67
MIG 352	68
MIG 350	68
MIG 500	68

MIG 350 SWF SYNERGIC PULSE	69
MIG 500 SWF SYNERGIC PULSE	70
MIG 550 SWF SYNERGIC DOUBLE PULSE	72
TIG 200 I HF-DC PULSE	74
TIG 200 AC/DC PULSE	75
TIG 210 AC/DC PFC	76
TIG 320 AC/DC	78



Ø100mm = 1kg
 Ø200mm = 5kg
 Ø300mm = 15kg



*P-Case=
Plastic Case



*C-Bag=
Carton Bag



*C-Box=
Box



*Trolley



MULTI MIKRO 160



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED
GATE
BIPOLEAR
TRANSISTOR

GAS
NO GAS

21S
IP

NO LIVE
TORCH

H
CLASS

SPOOL
Ø200
SUPPORTED



DM25
SOCKET
Ø 9mm

<50W



η
>80%



INVERTER

**CONNECTABLE TO
POWER GENERATOR**

TIG LIFT

MIG

MMA

REEL BRACKET
15KG



COD. 90870

	SG2	INOX	FLUX
Ø100/200mm and with REEL BRACKET 300mm			
59065	0,6-1,0Ø	0,6-1,0Ø	0,8-0,9Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



TIG TORCH
17V
COD. 96000



PRO HAMMER BRUSH
COD. 80000



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92933
STEEL Ø1,0mm - 1,0kg
COD. 92916
STEEL Ø0,8mm - 0,5kg
COD. 92943
INOX Ø0,8mm - 0,5kg

ACCESSORIES INCLUDED



TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	MAX	V_0	$I_2[A]$ MIN MAX	$X\%/I_2[A]$ 40° EN 60974-1	$X_{20^\circ C}$	MIN MAX		Kg	H x W x L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MULTI MIKRO 160	59065	230V~1ph	5,5 4,2	MIG 72 MMA 72 TIG 13	MIG 20-160 MMA 10-140 TIG 10-140	MIG 20/160 MMA 20/140 TIG 20/140	MMA-TIG 140A@60% MIG 160A@60%	1,6-3,2	0,067m³	13,6	625x245x440	1	20	8004386590652



MULTI MIKRO 200



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

**2T
4T**
MODE

IGBT
INSULATED
GATE
BIPOLEAR
TRANSISTOR

GAS
NO GAS

**21S
IP**

**NO LIVE
TORCH**

**H
CLASS**

SPOOL
Ø200
SUPPORTED



**DM50
SOCKET**
Ø13mm

<50W



η
>80%



INVERTER

**CONNECTABLE TO
POWER GENERATOR**

TIG LIFT

MIG

MMA

CONNECTOR
35-50

**INDUCTANCE
REGULATION**

REEL BRACKET
15KG



COD. 90870

	SG2	INOX	FLUX
Ø100/200mm and with REEL BRACKET 300mm	59095	0,6-1,0Ø	0,8-0,9Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



TIG TORCH
17V
COD. 96000



CONNECTOR 25 TO 35
ADAPTER
COD. 90634



KIT
COD. 96009
(96000 + 90634)

MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92933
STEEL Ø1,0mm - 1,0kg
COD. 92916
STEEL Ø0,8mm - 0,5kg
COD. 92943
INOX Ø0,8mm - 0,5kg

ACCESSORIES INCLUDED



TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P _{MAX} kW	V ₀	I ₂ [A] MIN MAX	X _% /I ₂ [A] 40° EN 60974-1	X _{20°C}	Ø MIN MAX		Kg	H x W x L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MULTI MIKRO 200	59095	230V~1ph	8,2 6,7	MIG 87 MMA 87 TIG 13	MIG 20-200 MMA 10-200 TIG 10-200	MIG 20/200 MMA 20/200 TIG 20/200	200A@60%	1,6-5,0	0,067m³	17,0	625x245x440	1	20	8004386590959



SMARTMIG 2200



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

NO LIVE
TORCH

IGBT
INSULATED
GATE
BIPOLAR
TRANSISTOR

DM50
SOCKET
13mm

21S
IP

2T
4T
MODE

H
CLASS



GAS
NO GAS

EURO

ENCO
MENU



WIRE SPEED

η
>80%



INVERTER

CONNECTABLE TO
POWER GENERATOR

VRD VOLTAGE
REDUCTION
DEVICE

TIG LIFT

MMA

MIG

SUITABLE FOR
SPOOL GUN TORCH

ALUMINIUM

SYNERGIC
• SPEED • AMPERAGE
• VOLTAGE • INDUCTANCE

CONNECTOR
35-50

	SG2	INOX	ALU Ø100mm with SPOOL GUN	FLUX
59190	0,6-1,0Ø	0,6-1,0Ø	0,6-1,0Ø	0,6-1,0Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



TIG TORCH
17V
COD. 96000



CONNECTOR 25 TO 35
ADAPTER
COD. 90634



KIT
COD. 96009
(96000 + 90634)

WIRE



COD. 92926
FLUX Ø0,8mm - 4,5kg
COD. 92970
FLUX Ø0,9mm - 4,5kg
COD. 92980
FLUX Ø1,0mm - 4,5kg

SPOOL GUN
COD. 90101



ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX}		 V ₀	 I ₂ [A] MIN MAX	 X _% /I ₂ [A] 40° EN 60974-1	 X _{20°C}	 Ø MIN MAX		 Kg	 H W L			 BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
SMARTMIG 2200	59190	230V~1ph	MIG 8,2 MIG 5,8 MMA 9,6 MMA 6,4 TIG 6,2 TIG 4,4		65	MIG 16-200 MMA 40-200 TIG 15-200	MIG 30/200 MMA 30/200 TIG 30/200	MMA-TIG-MIG 200A@90%	MMA 1,6-4,0 TIG 1,6-3,2	0,067m ³	18,9	625x245x440	1	20	8004386591901



TRIS 250



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

NO LIVE
TORCH

IGBT
INSULATED
GATE
BIPOLAR
TRANSISTOR

DM50
SOCKET
13mm

21S
IP

2T
4T
MODE

H
CLASS



GAS
NO GAS

EURO

ENCO
MENU

<50W

WIRE SPEED

η
>80%



INVERTER

CONNECTABLE TO
POWER GENERATOR

TIG LIFT

MMA

MIG

CONNECTOR
35-50

INDUCTANCE
REGULATION

	SG2	INOX	FLUX
Ø100/200/300mm	0,6-1,2Ø	0,6-1,0Ø	0,8-0,9Ø
N18190			

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



TIG TORCH
17V
COD. 96000



CONNECTOR 25 TO 35
ADAPTER
COD. 90634



KIT
COD. 96009
(96000 + 90634)

WIRE



COD. 92926
FLUX Ø0,8mm - 4,5kg
COD. 92970
FLUX Ø0,9mm - 4,5kg
COD. 92980
FLUX Ø1,0mm - 4,5kg

ELECTRODES
E6013 RUTILE



COD. 90731
Ø2,0mm - 402pcs
COD. 90745
Ø2,5mm - 303pcs
COD. 90755
Ø3,2mm - 202pcs

ACCESSORIES INCLUDED



ELECTRODES

Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

TECHNICAL CHARACTERISTICS															
	CODE	50-60Hz	P_{MAX}	V₀	I₂[A] MIN MAX	X%I₂[A] 40° EN 60974-1	X_{20°C}	 Ø MIN MAX		Kg	 H W L			BAR CODE	
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE	
TRIS 250	N18190	230V~1ph	MIG 9,5 MMA 8,7 TIG 6,3	MIG 7,4 MMA 6,8 TIG 4,9	MIG 87 MMA 87 TIG 13	MIG 20-240 MMA 10-200 TIG 10-200	MIG 20/240 MMA 30/200 TIG 30/200	MIG 240A@60% MMA/TIG 200A@90%	1,6-5,0	0,182m³	34,6	910x295x680	1	8	8004386181904



SINERGY 250



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

NO LIVE
TORCH

IGBT
INSULATED
GATE
BIPOLAR
TRANSISTOR

DM50
SOCKET
Ø 13mm

21S
IP

2T
4T
MODE

H
CLASS



GAS
NO GAS

EURO

ENCO
MENU

<50W

WIRE SPEED

η
>80%



INVERTER

CONNECTABLE TO
POWER GENERATOR

VRD VOLTAGE
REDUCTION
DEVICE

TIG LIFT

MMA

MIG

SUITABLE FOR
SPOOL GUN TORCH

ALUMINIUM

SYNERGIC
• SPEED • AMPERAGE
• VOLTAGE • INDUCTANCE

CONNECTOR
35-50

	SG2	INOX	ALU Ø100mm with SPOOL GUN	FLUX
Ø100/200/300mm N18200	0,6-1,0Ø	0,6-1,0Ø	0,6-1,0Ø	0,6-1,0Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



TIG TORCH
17V
COD. 96000



CONNECTOR 25 TO 35
ADAPTER
COD. 90634



KIT
COD. 96009
(96000 + 90634)

WIRE



COD. 92926
FLUX Ø0,8mm - 4,5kg
COD. 92970
FLUX Ø0,9mm - 4,5kg
COD. 92980
FLUX Ø1,0mm - 4,5kg

SPOOL GUN
COD. 90101



COD. 92189
V 0,6/0,8mm Ø30mm
1pcs
V 0,9/1,0mm Ø30mm
1pcs
V 1,0/1,2mm Ø30mm
1pcs



ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P _{MAX} kW	V ₀	I ₂ [A] MIN MAX	X% / I ₂ [A] 40° EN 60974-1	X _{20°C}	Ø MIN MAX	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
SINERGY 250	N18200	230V~1ph	MIG 8,5 MMA 10 TIG 6,5 MIG 5,8 MMA 6,4 TIG 4,4	65	MIG 16-200 MMA 40-200 TIG 15-200	MIG 30/200 MMA 30/200 TIG 30/200	MMA-TIG-MIG 200A@90%	MMA 1,6-4,0 TIG 1,6-3,2	0,182m³	34	910x295x680	1	8	8004386182000



DOUBLE PULSE MIG 2500



SAFETY LVD
IEC 60974-1

DM50 SOCKET
13mm

EMC
IEC 60974-10

2T 4T MODE

IGBT
INSULATED GATE BIPOLAR TRANSISTOR



21S IP



H CLASS

SPOT



GAS NO GAS



ENCO MENU



NO LIVE TORCH



η
>80%



MAXI DISPLAY LCD



INVERTER

CONNECTABLE TO POWER GENERATOR

VRD VOLTAGE REDUCTION DEVICE

TIG LIFT

MMA

MIG

ALUMINIUM

SYNERGIC
• SPEED • AMPERAGE
• VOLTAGE • INDUCTANCE

DOUBLE PULSE

CONNECTOR 35-50

	SG2	INOX	ALU	FLUX	CRNi
Ø200/300mm	59210	0,8-1,0Ø	0,8-1,0Ø	0,8-1,2Ø	0,8-1,0Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



TIG TORCH
17V
COD. 96000



CONNECTOR 25 TO 35
ADAPTER
COD. 90634



KIT
COD. 96009
(96000 + 90634)

WIRE



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92903
STEEL Ø0,6mm - 0,5kg
COD. 92916
STEEL Ø0,8mm - 0,5kg
COD. 92943
INOX Ø0,8mm - 0,5kg
COD. 92948
ALU Ø0,8mm - 0,5kg

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

TECHNICAL CHARACTERISTICS															
	CODE	 50-60Hz	 P _{MAX}	 V ₀	 I ₂ [A] MIN ↔ MAX	 X%/I ₂ [A] 40° EN 60974-1	 X ₂₀ °C	 MIN MAX		 Kg	 H W L			 BAR CODE	
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
DOUBLE PULSE MIG 2500	59210	230V~1ph	MIG 7,8 MMA 7,1 TIG 5,2	MIG 5,8 MMA 5,5 TIG 3,7	MMA / MIG 60V TIG 11V	MIG 30-200 MMA 20-180 TIG 20-180	MIG 30/200 MMA 30/180 TIG 30/180	MIG 200A@100% MMA - TIG 180A@100%	1,6 - 5,0	0,092m³	23,5	425x625x345	1	20	8004386592106



MIG 352 - 350 - 500



SAFETY
LVD
IEC 60974-1

EURO

EMC
IEC 60974-10

NO LIVE
TORCH

IGBT
INSULATED
GATE
BIPOLEAR
TRANSISTOR

GAS
NO GAS

21S
IP

2T
4T
MODE

H
CLASS

<50W



η
>80%



η
>85%

N18331

N18431
N18471



ALUMINIUM

INVERTER

CONNECTABLE TO
POWER GENERATOR

VRD VOLTAGE
REDUCTION
DEVICE

TIG LIFT

MIG

MMA

CONNECTOR
35-50

ACCESSORIES INCLUDED



Ø200/300 and Ø100 with SPOOL GUN	SG2	INOX	ALU	FLUX
N18331	0,6-1,0Ø	0,6-1,0Ø	0,8-1,0Ø	0,8-1,2Ø
N18431	0,6-1,2Ø	0,6-1,2Ø	0,8-1,2Ø	0,8-1,2Ø
N18471	0,6-1,6Ø	0,6-1,6Ø	0,8-1,6Ø	0,8-1,6Ø

OPTIONAL

TIG TORCH
17V
COD. 96000



CONNECTOR 25 TO 35
ADAPTER
COD. 90634



KIT
COD. 96009
(96000 + 90634)

TROLLEY
COD. 90989

Only for N18431 - N18471



WATER COOLING
COD. 90986

Only for N18431 - N18471



ROLLER
COD. 88031



COD. 92190
V 0,8/1,0mm - Ø30mm
2pcs

COD. 92191
V 0,6/0,8mm - Ø30mm
2pcs

COD. 92192
V 1,2-1,6mm - Ø30mm
2pcs

ALU
COD. 92193
U 0,8/1,0mm - Ø30mm
2pcs

COD. 92194
U 1,2/1,6mm - Ø30mm
2pcs

SPOOL GUN
COD. 90101



TORCH AWW 501S
WATER
COD. 91081
COD. 91082
COD. 91083



KIT ALU - AWT 25
COD. 92196
for MIG 352 - 350

ROLLER (2pcs)
U 0,8/1,0mm - Ø30mm

TEFLON LINER (1pcs)
Ø4,0x1,5mm - m3

CONTACT TIP (5pcs)
M6x28 - Ø0,8mm

CONTACT TIP (5pcs)
M6x28 - Ø1,0mm

KIT ALU - AWT 35
COD. 92197
for MIG 500

ROLLER (2pcs)
U 0,8/1,0mm - Ø30mm

TEFLON LINER (1pcs)
Ø4,0x1,5mm - m3

CONTACT TIP (5pcs)
M8x30 - Ø0,8mm

CONTACT TIP (5pcs)
M8x30 - Ø1,8mm

COOLING LIQUID
COD. 95097



Only for N18431 - N18471

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS														
	 CODE	 50-60Hz	 P _{MAX}	 V ₀	 I ₂ [A] MIN MAX	 X _{1/2} [A] 40° EN 60974-1	 X _{20°C}	 Ø MIN MAX		 Kg	 H x W x L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER (kVA / kW)	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MIG 352	N18331	230V~1ph	MMA 11,6 MIG 10,5 TIG 8,3	60	MMA 25-250 MIG 50-250 TIG 15-250	60/250	250A@100%	1,6-5,0(6)	0,024m³	50	907x367x747	1	4	8004386183311
MIG 350	N18431	400V~3ph	MMA 13,8 MIG 13,5 TIG 10,0	60	MMA 25-250 MIG 50-250 TIG 15-250	60/250	250A@100%	1,6-5,0(6)	0,024m³	50	907x367x747	1	4	8004386184318
MIG 500	N18471	400V~3ph	MMA 20,7 MIG 21,7	60	MMA 30-400 MIG 50-400	60/400	400A@100%	1,6-8,0	0,024m³	63	907x367x747	1	4	8004386184714



MIG 350 SWF SYNERGIC PULSE



SAFETY LVD
IEC 60974-1



EMC
IEC 60974-10



IGBT
INSULATED GATE BIPOLAR TRANSISTOR

NO LIVE TORCH

21S IP

GAS
NO GAS

H CLASS

S2T S4T MODE



2T 4T MODE



<50W

PULSE

η >85%



INVERTER

CONNECTABLE TO POWER GENERATOR

TIG LIFT

MMA

MIG

WATER COOLED OPTIONAL

+ WHEEL KIT INCLUDED

+ CONNECTION CABLE 5m

HIGH DUTY WIRE FEEDER



OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



ROLLER
COD. 88031



COD. 92190
V 0,8/1,0mm - Ø30mm
2pcs

COD. 92191
V 0,6/0,8mm - Ø30mm
2pcs

COD. 92192
V 1,2-1,6mm - Ø30mm
2pcs

ALU
COD. 92193
U 0,8/1,0mm - Ø30mm
2pcs
COD. 92194
U 1,2/1,6mm - Ø30mm
2pcs

GLOVES
COD. 90330



COOLING LIQUID 5L
COD. 95097



WATER COOLING
COD. 90986



TORCH AWW 501S
WATER
COD. 91081
COD. 91082
COD. 91083



KIT ALU - AWT 35
COD. 92197

ROLLER (2pcs)
U 0,8/1,0mm - Ø30mm

TEFLON LINER (1pcs)
Ø4,0x1,5mm - m3

CONTACT TIP (5pcs)
M8x30 - Ø0,8mm

CONTACT TIP (5pcs)
M8x30 - Ø1,8mm

ACCESSORIES INCLUDED



TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 P _{MAX} W	 V ₀	 I ₂ [A] MIN MAX	 X _% /I ₂ [A] 40° EN 60974-1		 Kg	 H W L			 BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MIG 350 SWF SYNERGIC PULSE	N18715	400V~3ph	18kVA	77	40-350	100/350	1,17m³	80	1220x800x1200	1	1	8004386187159



MIG 500 SWF SYNERGIC PULSE



SAFETY LVD
IEC 60974-1



EMC
IEC 60974-10



IGBT
INSULATED GATE BIPOLAR TRANSISTOR



21S IP

GAS
NO GAS

H CLASS

S2T S4T MODE



2T 4T MODE



<50W

PULSE

η >85%

NEW PRODUCT



INVERTER

CONNECTABLE TO POWER GENERATOR

TIG LIFT

MMA

MIG

WHEEL KIT INCLUDED + CONNECTION CABLE 5m

HIGH DUTY WIRE FEEDER



OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



ROLLER
COD. 88031



COD. 92190
V 0,8/1,0mm - Ø30mm
2pcs

COD. 92191
V 0,6/08mm - Ø30mm
2pcs

COD. 92192
V 1,2-1,6mm - Ø30mm
2pcs

ALU
COD. 92193
U 0,8/1,0mm - Ø30mm
2pcs
COD. 92194
U 1,2/1,6mm - Ø30mm
2pcs

GLOVES
COD. 90330



COOLING LIQUID 5L
COD. 95097



CONNECTION CABLE 50m
COD. 90988



TORCH AWW 501S
WATER
COD. 91081
COD. 91082
COD. 91083



KIT ALU - AWT 35
COD. 92197

ROLLER (2pcs)
U 0,8/1,0mm - Ø30mm

TEFLON LINER (1pcs)
Ø4,0x1,5mm - m3

CONTACT TIP (5pcs)
M8x30 - Ø0,8mm

CONTACT TIP (5pcs)
M8x30 - Ø1,8mm

ACCESSORIES INCLUDED



TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P _{MAX} MVA	V ₀	I ₂ [A] MIN MAX	X _% /I ₂ [A] 40° EN 60974-1		Kg	H x W x L			BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
MIG 500 SWF SYNERGIC PULSE	N18720	400V~3ph	27kVA	80	50-500	100/500	1,17m³	130	1220x800x1200	1	1	8004386187203





MIG 550 SWF SYNERGIC DOUBLE PULSE



SAFETY LVD
IEC 60974-1



EMC
IEC 60974-10



IGBT
INSULATED GATE
BIPOLAR TRANSISTOR

NO LIVE TORCH

21S IP

GAS
NO GAS

H CLASS

2T_{4T} MODE



<50W



η
>85%

N18431
N18471



ALUMINIUM

INVERTER

CONNECTABLE TO POWER GENERATOR



MIG

WATER COOLING SYSTEM INCLUDED

+



WHEEL KIT INCLUDED

+

CONNECTION CABLE 5m

HIGH DUTY WIRE FEEDER



Ø200/300 mm

N18750

SG2

0,8-1,6Ø

INOX

0,8-1,6Ø

ALU

0,8-1,6Ø

FLUX

0,8-1,6Ø

CuSi

0,8-1,6Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



COOLING LIQUID 5L
COD. 95097



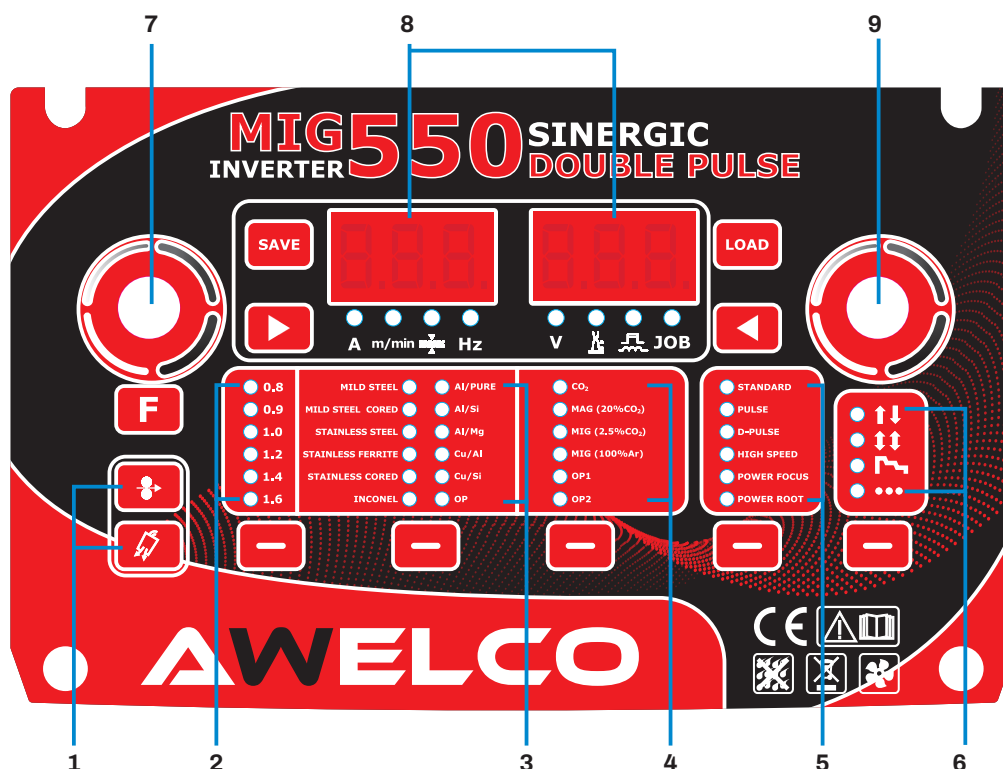
ACCESSORIES INCLUDED



WATER COOLED TORCH

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS													
MIG 550 SWF SYNERGIC DOUBLE PULSE	CODE	 50-60Hz	 P _{MAX} W		V ₀	 I ₂ [A] MIN MAX	 X _% /I ₂ [A] 40° EN 60974-1		 Kg	 H x W x L			 BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER (kVA / kW)		NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
	N18750	400V~3ph	26	22	97	60-500	100/500	1,17m³	136	1220x800x1200	1	1	8004386187500



CONTROL PANEL

ENGLISH

1. Gas test / Wire test.
2. Wire diameter.
3. Welding object.
4. Welding gas.
5. Welding mode.
6. Operating mode.
7. Left adjusting knob.
8. Display area.
9. Right adjusting knob.

FRANÇAIS

1. Test de gaz / Test de fil.
2. Diamètre du fil.
3. Objet à souder.
4. Gaz de soudage.
5. Mode de soudage.
6. Mode de fonctionnement.
7. Bouton de réglage gauche.
8. Zone d'affichage.
9. Bouton de réglage droit.

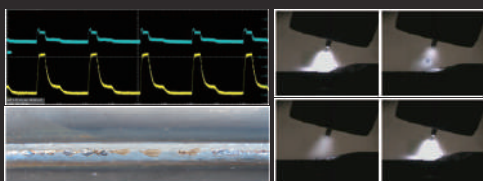
ITALIANO

1. Prova gas.
2. Diametro del filo.
3. Oggetto di saldatura.
4. Gas di saldatura.
5. Modalità di saldatura.
6. Modalità operativa.
7. Manopola sinistra.
8. Area espositiva.
9. Manopola destra.

ESPAÑOL

1. Prueba de gas / prueba de alambre.
2. Diámetro del cable.
3. Objeto de soldadura.
4. Gas de soldadura.
5. Modo de soldadura.
6. Modo operativo.
7. Perilla de ajuste izquierda.
8. Área de visualización.
9. Perilla de ajuste derecha.

PULSED ARC

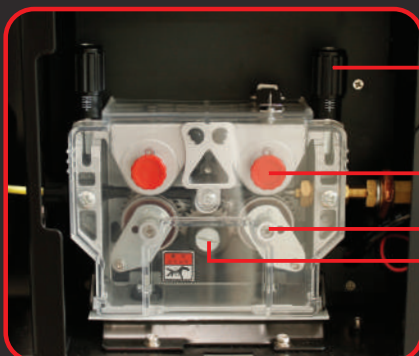


DOUBLE PULSED ARC



308 STAINLESS STEEL

HIGHT DUTY WIRE FEEDER



ENGLISH

1. Pressure handle.
2. Pressing roller.
3. Drive gear.
4. Feeding roller.

FRANÇAIS

1. Poignée de pression.
2. Rouleau presseur.
3. Engrenage d'entraînement.
4. Rouleau d'alimentation.

ITALIANO

1. Maniglia a pressione.
2. Rullo pressore.
3. Ingranaggio di azionamento.
4. Rullo di alimentazione.

ESPAÑOL

1. Mango de presión.
2. Rodillo de presión.
3. Engranaje impulsor.
4. Rodillo de alimentación.

100%
DUTY CYCLE
500A
Wheel kit
included!



TIG 200 I HF-DC PULSE



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED
GATE
BIPOLAR
TRANSISTOR

21S
IP

H
CLASS

SAVE
PROGRAM



HF



PULSE

2T
4T
MODE

<50W

DM50
SOCKET
Ø 13mm

η
>80%



INVERTER



CONNECTABLE TO
POWER GENERATOR



TIG HF



TIG PULSE



MMA



CONNECTOR
35-50

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



KIT TORCH HF
COD. 97522



TIG TORCH HF 26
COD. 96020



ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS															
	CODE	 50-60Hz	 P _{MAX} kVA kW	 V ₀	 I ₂ [A] MIN MAX	 X% I ₂ [A] 40° EN 60974-1	 X _{20°C}	 Ø MIN MAX		 Kg	 H W L			 BAR CODE	
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE	
TIG 200 I HF-DC PULSE	58195	230V~1ph	MMA 6,6 TIG 6,1	MMA 5,0 TIG 4,7	70	MMA 10-160 TIG 10-200	MMA 20/160 TIG 17/200	MMA 160A@60% TIG 200A@60%	1,6-4,0	0,037m³	9,6	460x230x345	1	35	8004386581957



TIG 200 AC/DC PULSE



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED
GATE
BIPOLAR
TRANSISTOR

23S
IP

H
CLASS



AC
DC

HF

<50W

PULSE

η
>80%



INVERTER

**CONNECTABLE TO
POWER GENERATOR**

TIG HF

TIG PULSE

TIG LIFT

MMA

CONNECTOR
35-50

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



MAGNETIC HELP
COD. 88031



MAX-PROF
COD. 92430



W BRUSH
COD. 90306



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



HAMMER
COD. 80010



APRON
COD. 90316



REMOTE CONTROL
COD. 95901



ACCESSORIES INCLUDED



OPTIONAL
TIG TORCH
ACCESSORIES

pg. **136**

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz			 MIN MAX	 40° EN 60974-1		 Ø MIN MAX								
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER		NO LOAD VOLTAGE	WELDING CURRENT		DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
			kVA	kW		AC	DC									
TIG 200 AC/DC PULSE	58021	230V~1ph	MMA 6,6 TIG 6,1	MMA 5,0 TIG 4,7	70	TIG 10-200	MMA TIG 10-170	MMA 20/170 (AC - DC) TIG 35/200 (AC) TIG 40/170 (DC)	MMA 170A@60% TIG 200A@100%	1,6-4,0	0,037m³	9,6	460x230x345	1		8004386580219



TIG 210 AC/DC PFC



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED
GATE
BIPOLAR
TRANSISTOR

23S
IP

H
CLASS

AC
DC



WATER COOLED
OPTIONAL



PFC
POWER FACTOR
CORRECTION



<50W

PULSE

η
>80%



INVERTER



**CONNECTABLE TO
POWER GENERATOR**



TIG HF



TIG PULSE



TIG LIFT



MMA



CONNECTOR
35-50

POWER FACTOR CORRECTION
90/270V INPUT

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



MAX-PROF
COD. 92430



APRON
COD. 90316



W BRUSH
COD. 90306



REMOTE CONTROL
COD. 95900



ACCESSORIES INCLUDED



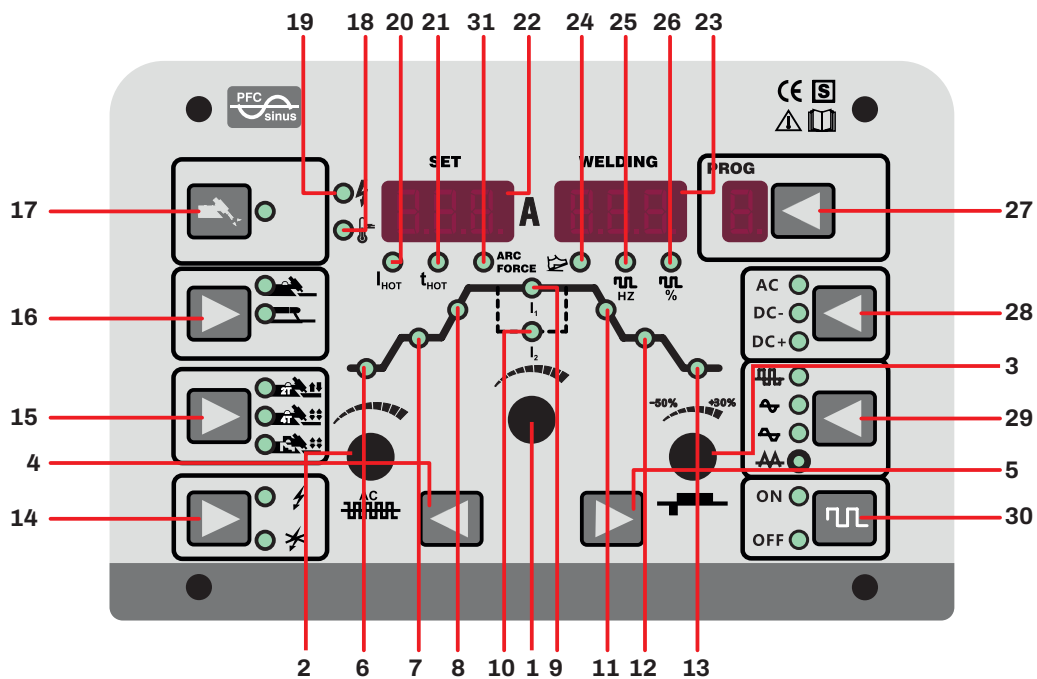
OPTIONAL

**TIG TORCH
ACCESSORIES**

pg. **136**

TECHNICAL SPECIFICATIONS

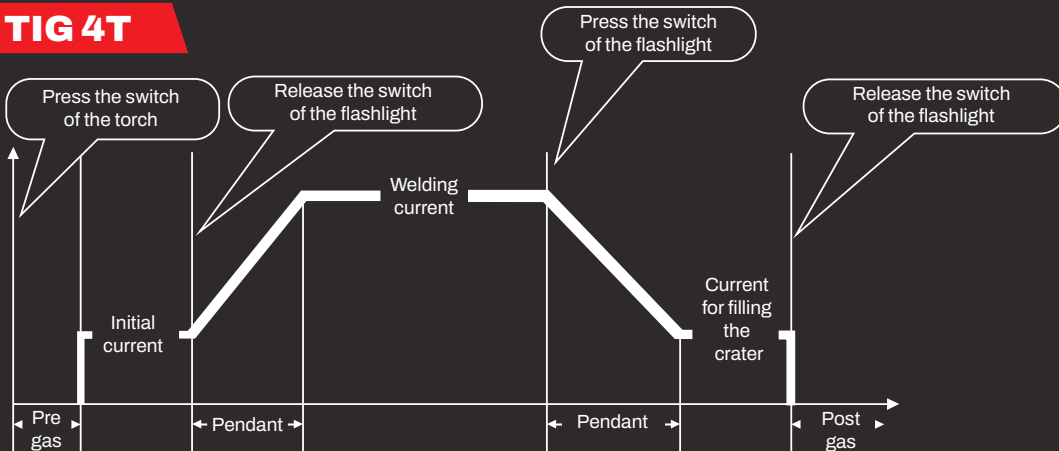
TECHNICAL SPECIFICATIONS															
	CODE	50-60Hz	MAX		MINMAX	40° EN 60974-1		MINMAX		Kg				BAR CODE	
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE	
TIG 210 AC/DC PFC	58201	230V~1ph	MMA 5,6 TIG 5,7	MMA 5,6 TIG 5,7	MMA 94 TIG 62	MMA 10-160 TIG 5-210	MMA 35/160 TIG 35/210	MMA 160A@45% TIG 210A@45%	1,6-4,0	0,11m³	27,6	570x320x600	1	12	8004386582015



CONTROL PANEL

- | | |
|--|---|
| 1. Welding parameter adjustment | 17. Gas test |
| 2. AC frequency | 18. Overload LED |
| 3. AC balance | 19. Power ON LED |
| 4/5. Welding parameter selection | 20. MMA Hot-start current adjustment |
| 6. Gas pre-flow time | 21. MMA Hot-start current time |
| 7. Start current | 22. Set parameter display |
| 8. Slope-up time | 23. Measured welding current display |
| 9. Welding current / pulse current in TIG pulse mode | 24. Remote control active LED |
| 10. Base current in TIG pulse mode / second current in 4T SPECIAL. | 25. Pulse frequency |
| 11. Slope-down time | 26. TIG pulse current duty cycle |
| 12. End current | 27. Program memory selection |
| 13. Gas post-flow time | 28. Current type: AC, DC, polarity change |
| 14. Arc ignition: HF / Lift arc | 29. AC wave shape |
| 15. Welding mode: 2T / 4T / 4T with second current | 30. Pulsed arc |
| 16. Welding process: TIG / MMA | 31. Arc-force adjustment |

TIG 4T



AC / DC PULSE



TIG 320 AC / DC



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

IGBT
INSULATED
GATE
BIPOLEAR
TRANSISTOR

21S
IP

H
CLASS



PULSE



<50W



η
>80%



INVERTER

3ph



**CONNECTABLE TO
POWER GENERATOR**



TIG LIFT



TIG PULSE



TIG HF



MMA



CONNECTOR
35-50

**WATER COOLED
OPTIONAL**

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



MAX-PROF
COD. 92430



COOLING LIQUID 5L
COD. 95097



TROLLEY
COD. 90989



WATER COOLING
COD. 90986



REMOTE CONTROL
COD. 95900



TIG TORCH HF 18 W
COD. 96030



ACCESSORIES INCLUDED



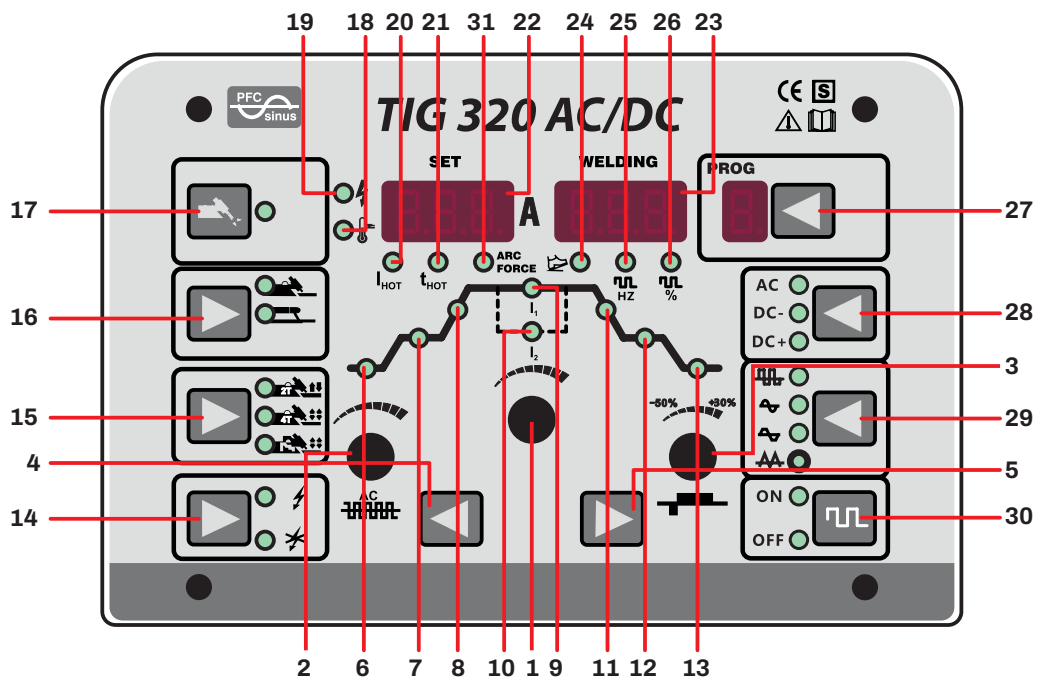
OPTIONAL

**TIG TORCH
ACCESSORIES**

pg. **136**

TECHNICAL SPECIFICATIONS

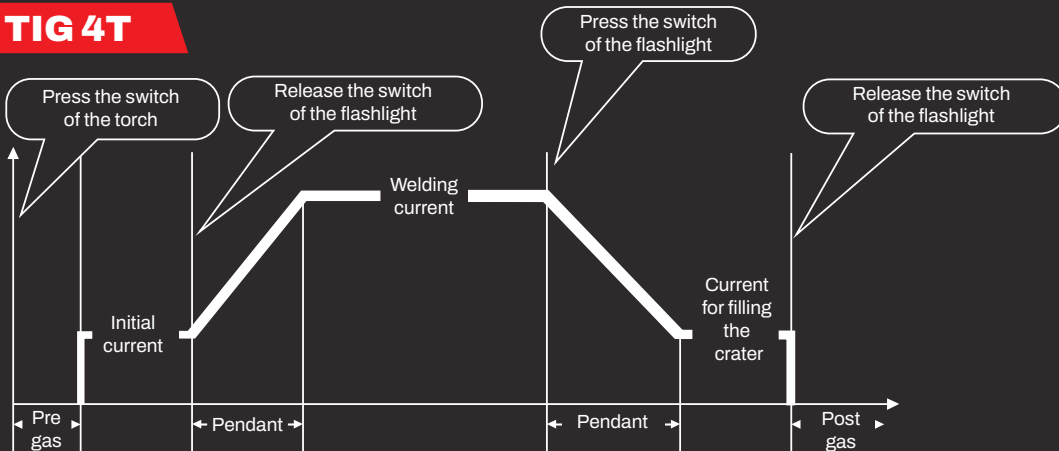
	CODE	50-60Hz	MAX	V_0	$I_2[A]$ MIN MAX	$X\%/I_2[A]$ 40° EN 60974-1	$X_{20^\circ C}$	MIN MAX		Kg	H W L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
TIG 320 AC/DC	58320	400V~3ph	MMA 12 TIG 8,5 MMA 7,6 TIG 5,3	72	MMA 10-320 TIG 5-320	MMA 20/320 TIG 35/320	MMA 320A@45% TIG 320A@30%	1,6-5,0	0,012m³	38,3	575x580x335	1	8	8004386583203



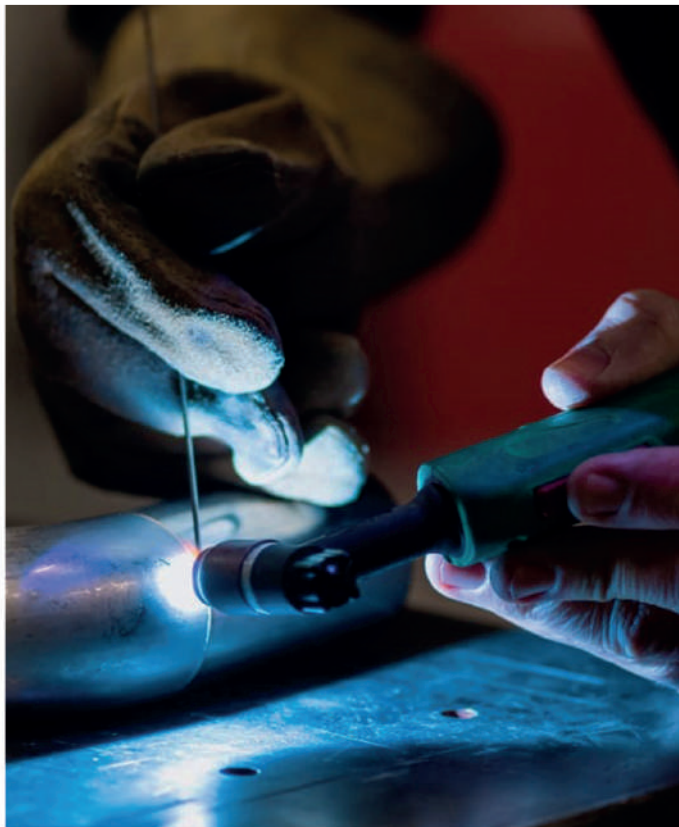
CONTROL PANEL

- | | |
|--|---|
| 1. Welding parameter adjustment | 17. Gas test |
| 2. AC frequency | 18. Overload LED |
| 3. AC balance | 19. Power ON LED |
| 4/5. Welding parameter selection | 20. MMA Hot-start current adjustment |
| 6. Gas pre-flow time | 21. MMA Hot-start current time |
| 7. Start current | 22. Set parameter display |
| 8. Slope-up time | 23. Measured welding current display |
| 9. Welding current / pulse current in TIG pulse mode | 24. Remote control active LED |
| 10. Base current in TIG pulse mode / second current in 4T SPECIAL. | 25. Pulse frequency |
| 11. Slope-down time | 26. TIG pulse current duty cycle |
| 12. End current | 27. Program memory selection |
| 13. Gas post-flow time | 28. Current type: AC, DC, polarity change |
| 14. Arc ignition: HF / Lift arc | 29. AC wave shape |
| 15. Welding mode: 2T / 4T / 4T with second current | 30. Pulsed arc |
| 16. Welding process: TIG / MMA | 31. Arc-force adjustment |

TIG 4T



AC / DC PULSE



► INDUSTRIAL 

4 IN 1: MIG TIG HF MMA PLASMA

	CODE	 50-60Hz	 A MAX	 X _u /I ₂ [A] 40° EN 60974-1	 1,6-4,0 mm	 SOCKET		AC / DC	PULSE	 Ø200mm	 EURO	GAS NO GAS	INPUT PRESSURE
GLOBAL 300	53210	230V~1ph	TIG MMA MIG 200 PLASMA 40	TIG 30/200 MMA 35/160 MIG 25/200 PLASMA 40/40	1,6-4,0 mm	DM35-50	√	√	√	Ø200mm	EURO	√	5 bar



GLOBAL 300



SAFETY LVD
IEC 60974-1

AC
DC

EMC
IEC 60974-10

NO LIVE TORCH

IGBT
INSULATED GATE
BIPOLAR TRANSISTOR

DM50 SOCKET
Ø 13mm

21S IP

2T 4T MODE

H CLASS



GAS
NO GAS

EURO

ENCO
MENU

<50W

WIRE SPEED

η
>80%

NEW PRODUCT



INVERTER

CONNECTABLE TO POWER GENERATOR

TIG PULSE

TIG HF

AC **DC**

MMA

MIG

PLASMA

CONNECTOR
35-50

SYNERGIC
• SPEED • AMPERAGE
• VOLTAGE • INDUCTANCE

CUT UP TO 15 mm

AIR COMPRESSOR REQUIRED

MIN 5 Bar

	SG2	INOX	FLUX	ALU
Ø200mm	53210	0,6-1,2Ø	0,6-1,2Ø	0,8-0,9Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



WIRE



COD. 92926
FLUX Ø0,8mm - 4,5kg
COD. 92970
FLUX Ø0,9mm - 4,5kg
COD. 92980
FLUX Ø1,0mm - 4,5kg

SPOOL GUN TORCH
COD. 90103



TORCH CONSUMABLES



PLASMA ELECTRODES
Elettrodo Plasma
COD. 95422.5



AIR DIFFUSER
Diffusore Aria
COD. 95422.4



Tip
Ugello
Cod. 95422.3



RETAINING CAP
Ugello esterno
COD. 95422.2

ACCESSORIES INCLUDED



ELECTRODES



Rutilici / Rutile - AWS E6013
Inox / Stainless Steels - AWS E308
Basici / Basic - AWS E7018
Ghisa / Cast Iron - AWS A5.15

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P _{MAX} MVA	V ₀	I ₂ [A]	X ₂ /I ₂ [A]	X ₂₀ °C	MIN MAX	MIN MAX	Kg	h x W x L	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	ELECTRODES (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
GLOBAL 300	53210	230V~1ph	8 kVA	TIG-MMA-MIG 72V PLASMA 270V	TIG 10-200 MMA 10-200 MIG 30-200 PLASMA 20-40	TIG 30/200 MMA 35/160 MIG 25/200 PLASMA 40/40	200A@90%	1,6-4,0	0,010m³	15	410x415x630	1	8	8004386532102





► INDUSTRIAL 

PLASMA INVERTER

	CODE	 50-60Hz	 A _{MAX}	 X-I: [A] 40* EN 60974-1	INPUT PRESSURE	MAX CUT SEPARATION	FUNCTION
PLASMA 40K	53189	230V~1ph	40 A	15/40	3 BAR	15 mm	PLASMA
PLASMA 80	53080	400V~3ph	80 A	60/80		10-20 mm	PLASMA
PLASMA 120	53100	400V~3ph	100 A	60/100		15-30 mm	PLASMA

PLASMA 40K	86
PLASMA 80	87
PLASMA 120	87



*P-Case=
Plastic Case



*C-Bag=
Carton Bag



*C-Box=
Box



*Trolley



PLASMA 40K



SAFETY LVD
IEC 60974-6

EMC
IEC 60974-10

21S IP

H CLASS



<50W

η
>80%



INVERTER



COMPRESSOR INSIDE



OPTION EXTERNAL COMPRESSOR CONNECTABLE



CUT UP TO 15 mm

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



TORCH CONSUMABLES



PLASMA ELECTRODES
Elettrodo Plasma
21.8mm
COD. 95111



AIR DIFFUSER
Diffusore Aria
COD. 95112



Tip
Ugello
Cod. 95113



RETAINING CAP
Ugello esterno
COD. 95114

ACCESSORIES INCLUDED



MAX CUTTING THICKNESS (mm)

Cutting Thickness
15 mm

TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	MAX	V_0	$I_2 [A]$ MIN MAX	I_{2max} EN 60974-6	$X_{20^\circ C}$			Kg	H W L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	WELDING TIME t_{on} 3'00" Σt_{on} 12'00"	DUTY CYCLE	MAX CUTTING THICKNESS (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
PLASMA 40K	53189	230V~1ph	6,4 4,9	270	15-40	t_{on} 3'00" Σt_{on} 12'00"	40A@60%	10	0,054m ³	17,8	460x335x350	1	30	8004386531891



PLASMA 80 - 120



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

21S
IP

H
CLASS



<50W

3PH

η
>85%



INVERTER

3ph

PILOT ARC

AIR
PRESSURE

0.4~0.6 Mpa
4~6 Bar

CONNECTOR
35-50

BATTERY CHARGER & BOOSTER

SPOT WELDING

MIG TRANSFORMER

MMA TRANSFORMER

PLASMA INVERTER

MIG TIG MMA INVERTER

MMA INVERTER

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



TORCH CONSUMABLES



PLASMA ELECTRODES
Elettrodo Plasma
COD. 95116



Tip
Ugello
Cod. 95117 / 95118 / 95119



RETAINING CAP
Ugello esterno
COD. 95120

ACCESSORIES INCLUDED



MAX CUTTING THICKNESS (mm)	MAX CUTTING THICKNESS (mm)
Cutting Thickness 25 / 30 mm PLASMA 80 CUTTING / SEPARATION	Cutting Thickness 45 / 50 mm PLASMA 120 CUTTING / SEPARATION

TECHNICAL SPECIFICATIONS

	CODE			V₀	I₂ [A]	X₂/I₂ [A]	X₂₀ °C							
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER KVA	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	MAX CUTTING THICKNESS (mm)	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
PLASMA 80	53080	400V~3ph	14	320	30-80	60/80	80A@100%	25	0,09m³	23	605x330x435	1	12	8004386530801
PLASMA 120	53100	400V~3ph	17,8	320	30-100	60/100	100A@100%	45	0,12m³	33,9	670x345x540	1	6	8004386531006



► INDUSTRIAL 

MIG TRANSFORMER

	CODE	 50-60Hz	 A MAX	 X _n /I _n [A] 40° EN 60876-3	 CO	 EURO	GAS NO GAS
UNIMIG 250	N14101	230V~1ph 400V~3ph	240 A	25/240	100-200-300 mm	EURO	√
UNIMIG 270	N14151	230V~1ph 400V~3ph	270 A	25/270	100-200-300 mm	EURO	√
UNIMIG 300	N14253	400V~3ph	300 A	35/300	100-200-300 mm	EURO	GAS ONLY
UNIMIG 350	N15060	400V~3ph	350 A	35/350	100-200-300 mm	EURO	GAS ONLY
UNIMIG 252 SF2	N13102	230V~1ph	250 A	30/250	100-200-300 mm	EURO	GAS ONLY
UNIMIG 350 SF4	N15110	400V~3ph	350 A	35/350	100-200-300 mm	EURO	GAS ONLY
UNIMIG 374 SF4	N15153	400V~3ph	350 A	35/350	200-300 mm	EURO	GAS ONLY
UNIMIG 450 SWF	N16450	400V~3ph	450 A	35/450	200-300 mm	EURO	GAS ONLY
UNIMIG 550 SWF	N16550	400V~3ph	550 A	35/550	200-300 mm	EURO	GAS ONLY

UNIMIG 250	_____	90
UNIMIG 270	_____	90
UNIMIG 300	_____	91
UNIMIG 350	_____	91
UNIMIG 350 SF4	_____	92
UNIMIG 374 SF4	_____	92
UNIMIG 450 SWF	_____	93
UNIMIG 550 SWF	_____	93



Ø100mm = **1kg** Ø200mm = **5kg** Ø300mm = **15kg**



UNIMIG 250 - 270



SAFETY LVD
IEC 60974-1

EMC
IEC 60974-10

ENCO MENUO

3PH

21S IP

GAS
NO GAS

H CLASS

NO LIVE TORCH



EURO



**ONLY FOR
EXTRA EU MARKET**



**WHEEL KIT
INCLUDED**

	SG2	INOX	FLUX	ALU
Ø100/200/300mm				
N14101	0,6-1,0Ø	0,8-1,0Ø	0,8-1,2Ø	0,8-1,0Ø
N14151	0,6-1,0Ø	0,8-1,0Ø	0,8-1,2Ø	0,8-1,0Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92953
FLUX Ø0,8mm - 0,5kg
COD. 92954
FLUX Ø0,8mm - 1,0kg
COD. 92960
FLUX Ø0,9mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92903
STEEL Ø0,6mm - 0,5kg
COD. 92916
STEEL Ø0,8mm - 0,5kg
COD. 92943
INOX Ø0,8mm - 0,5kg
COD. 92948
ALU Ø0,8mm - 0,5kg

ACCESSORIES INCLUDED



TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P _{MAX} MVA	V ₀	I ₂ [A] MIN MAX	X _% /I ₂ [A] 40° EN 60974-1	X _{20°C}			Kg				BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	REGULATION N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
UNIMIG 250	N14101	230V~3ph 400V~3ph	10,3 7,2	16-37	25-240	25/240	240A@35%	32	0,253m³	79	905x365x775	1	6	8004386141014
UNIMIG 270	N14151	230V~3ph 400V~3ph	12,5 8,7	17-36	30-270	25/270	270A@35%	32	0,253m³	79	905x365x775	1	6	8004386141519



UNIMIG 300 - 350



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10



ENCO
MENUO



21S
IP

3PH

H
CLASS

NO LIVE
TORCH



EURO

CU



ONLY FOR
EXTRA EU MARKET



WHEEL KIT
INCLUDED

	SG2	INOX	FLUX
Ø100/200/300mm			
N14253	0,6-1,2Ø	0,8-1,0Ø	0,8-1,2Ø
N15060	0,6-1,2Ø	0,8-1,0Ø	0,8-1,2Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92903
STEEL Ø0,6mm - 0,5kg
COD. 92916
STEEL Ø0,8mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92943
INOX Ø0,8mm - 0,5kg
COD. 92948
ALU Ø0,8mm - 0,5kg

ACCESSORIES INCLUDED



TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	P _{MAX} ME	V ₀	I ₂ [A]	X% I ₂ [A]	X _{20°C}	REGULATION N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE							
UNIMIG 300	N14253	400V~3ph	14,9 10,4	17-40	30-300	35/300	300A@45%	32	0,30m³	107	890x395x860	1	4	8004386142530
UNIMIG 350	N15060	400V~3ph	17,4 12,2	17-44	30-350	35/350	350A@45%	32	0,30m³	131	890x395x860	1	4	8004386150603



UNIMIG 350 SF4 - 374 SF4



SAFETY LVD
IEC 60974-1



EMC
IEC 60974-10



ENCO MENU



21S IP



H CLASS

CU



2T 4T MODE

Only UNIMIG 374 SF4



Only UNIMIG 374 SF4



SPOT

Only UNIMIG 374 SF4



3PH



ONLY FOR EXTRA EU MARKET

CONNECTION CABLE 5m

Ø200/300mm	SG2	INOX	FLUX
N15110	0,6-1,2Ø	0,6-1,2Ø	0,6-1,2Ø
N15153	0,6-1,2Ø	0,6-1,2Ø	0,8-1,2Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92903
STEEL Ø0,6mm - 0,5kg
COD. 92916
STEEL Ø0,8mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92943
INOX Ø0,8mm - 0,5kg
COD. 92948
ALU Ø0,8mm - 0,5kg

ACCESSORIES INCLUDED



TECHNICAL SPECIFICATIONS

	CODE	50-60Hz	MAX	V₀	I₂ [A] MIN MAX	X% / I₂ [A] 40° EN 60974-1	X₂₀ °C			Kg	H W L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	REGULATION N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
UNIMIG 350 SF4	N15110	400V~3ph	21,2 14,8	17-44	30-350	35/350	350A@45%	32	0,329m³	161	420x890x880	1	4	8004386151105
UNIMIG 374 SF4	N15153	400V~3ph	21,2 14,8	17-44	30-350	35/350	350A@45%	32	0,329m³	161	420x890x880	1	4	8004386151532



UNIMIG 450 SWF - 550 SWF



SAFETY
LVD
IEC 60974-1

EMC
IEC 60974-10

ENCO
MENU



21S
IP



H
CLASS



CU

EURO

3PH



MODE
MENU

NO LIVE
TORCH



ONLY FOR
EXTRA EU MARKET

WATER COOLING
SYSTEM INCLUDED

+ WHEEL KIT
INCLUDED

+ CONNECTION
CABLE 5m

 Ø200/300mm	SG2	INOX	FLUX
N16450	0,6-1,6Ø	0,8-1,6Ø	0,8-1,6Ø
N16550	0,8-2,4Ø	0,8-2,4Ø	0,8-1,6Ø

OPTIONAL

HELMET 1500-G
DIN 4/9-13
COD. 90356



HELMET 2000 E 11
DIN 11 FIX
COD. 90385



GLOVES
COD. 90330



APRON
COD. 90316



MAGNETIC HELP
COD. 88031



HAMMER
COD. 80010



WIRE



COD. 92903
STEEL Ø0,6mm - 0,5kg
COD. 92916
STEEL Ø0,8mm - 0,5kg
COD. 92967
FLUX Ø0,9mm - 1,0kg

WIRE



COD. 92943
INOX Ø0,8mm - 0,5kg
COD. 92948
ALU Ø0,8mm - 0,5kg

ACCESSORIES INCLUDED



Water cooled torch

TECHNICAL SPECIFICATIONS

	CODE	 50-60Hz	 MAX	V₀	I₂ [A] MIN MAX	X% / I₂ [A] 40° EN 60974-1	X₂₀ °C			 Kg	 H W L			
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER kVA kW	NO LOAD VOLTAGE	WELDING CURRENT	DUTY CYCLE	DUTY CYCLE	REGULATION N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
UNIMIG 450 SWF	N16450	400V~3ph	28,8 20,2	17-48	40-450	35/450	450A@45%	30	0,949m³	173	1050x1370x660	1	1	8004386164501
UNIMIG 550 SWF	N16550	400V~3ph	38,5 26,9	15-50	40-550	35/550	550A@45%	30	0,949m³	216	1050x1370x660	1	1	8004386165508



► INDUSTRIAL 

BATTERY CHARGER & BOOSTER

	CODE	 50-60Hz				 Pb	 Gel	 Pb/Ca
THOR 450	75210	230V~1ph	12 - 24 V	3 + 3	√	√		
THOR 650	75310	230V~1ph	12 - 24 V	9 + 9	√	√		
THOR 750	75410	230V~1ph	12 - 24 V	9 + 9	√	√		
THORMATIC 500	76350	230V~1ph	12 - 24 V		DISPLAY	√	√	√

THOR 450	96
THOR 650	97
THOR 750	97
THORMATIC 500	98



THOR 450



CHARGER



BOOSTER



SLOW CHARGE



FAST CHARGE

**REMOTE
CONTROL**



EMC
IEC 60974-10

**SAFETY
LVD**
IEC 60974-1



**POLARITY
PROTECTION**



KIT



REGULATION:



24V

12V

Pb

TECHNICAL SPECIFICATIONS

THOR 450																	
CODE	 50-60Hz	 CHARGE BOOST		CHARGE		BOOST											
				I _{EFF}	I ₂	I _{EFF}	I ₂ 1 V/C										
ORDER CODE	INPUT VOLTAGE	MAX ABSORBED POWER	BATTERY VOLTAGE	EFFECTIVE CURRENT	EN60335	EN60335 12V	EN60335	CAPACITY		REGULATIONS N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE	
THOR 450	75210	230V~1ph	1,1 kW 6,2 kW	12 V 24 V	63 A	40 A	285 A	180 A	35Ah	1200Ah	3 + 3	0,042m³	18	320x215x620	1	36	8004386752104
					47 A	30 A	250 A	160 A	(2h)	(12h)							



THOR 650 - 750



CHARGER

BOOSTER

8 SETTING
CHARGE

REMOTE CONTROL
AND DOUBLE AMMETER

BATTERY CHARGER & BOOSTER

SPOT WELDING

MIG TRANSFORMER

MMA TRANSFORMER

PLASMA INVERTER

MIG TIG MMA INVERTER

MMA INVERTER



REGULATION:



TECHNICAL SPECIFICATIONS

TECHNICAL DESCRIPTION																	
	CODE				CHARGE		BOOST										
					I _{EFF}	I ₂	I _{EFF}	I ₂ 1 V/C									
	ORDER CODE	INPUT VOLTAGE	MAX ABSORBED POWER	BATTERY VOLTAGE	EFFECTIVE CURRENT	EN60335	EN60335 12 V	EN60335	CAPACITY		REGULATIONS N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
									MIN	MAX							
THOR 650	75310	230V~1ph	2,5 kW 11 kW	12 V 24 V	80 A 89 A	50 A 53 A	435 A 330 A	290 A 220 A	40Ah (2h)	1500Ah (12h)	9 + 9	0,113m³	29	450x300x835	1	12	8004386753101
THOR 750	75410	230V~1ph	2,7 kW 12 kW	12 V 24 V	88 A 90 A	55 A 56 A	600 A 570 A	400 A 380 A	40Ah (2h)	1600Ah (12h)	9 + 9	0,113m³	33	450x300x835	1	12	8004386754108



THORMATIC 500



INVERTER

CHARGER

BOOSTER

SLOW CHARGE

FAST CHARGE

BATTERY RESTORE



	THORMATIC 500
IEFF	300 A (12V) 210 A (24V)

	THORMATIC 500
Ah	30-320 Ah

Gel	Pb/Ca	Pb

TECHNICAL SPECIFICATIONS

	CODE				IEFF	I₂							
	ORDER CODE	INPUT VOLTAGE	ABSORBED POWER	BATTERY VOLTAGE	EFFECTIVE CURRENT	EN60335 12 V	REGULATIONS N°	BOX VOLUME	BOX WEIGHT	BOX SIZE (mm)	PCS PER BOX	PCS PER EURO PALLET	BAR CODE
THORMATIC 500	76550	230V~1ph	0,6 kW 1,1 kW	12 V 24 V	80 A 40 A	40 A	4 + 4	0,060m³	17,5	350x240x710	1	25	8004386765500





► WELDING

TOOLS & CONSUMABLES

SAFETY: Personal protective equipment 103

MMA: Accessories & consumables 118

MIG - MAG: Accessories & consumables 122

TIG: Accessories & consumables 131

PLASMA: Accessories & consumables 138

WELDING ACCESSORIES 142

SAFETY

PERSONAL PROTECTIVE EQUIPMENT

RISKS & SOLUTIONS

FACE AND EYES

Eye injuries can be 90% avoided by using appropriate safety glasses, goggles or helmets. Of approximately 770 workers who suffered facial injuries, only 1% wore face protection.

WELDING MASK AND SAFETY GLASSES

An auto-darkening mask offers the welder immediate and automatic protection during welding operations. Safety glasses provide additional protection from grinding particles.

HAND AND FOREARM

25% of all workplace injuries involved hands and fingers.

GLOVES AND SLEEVES

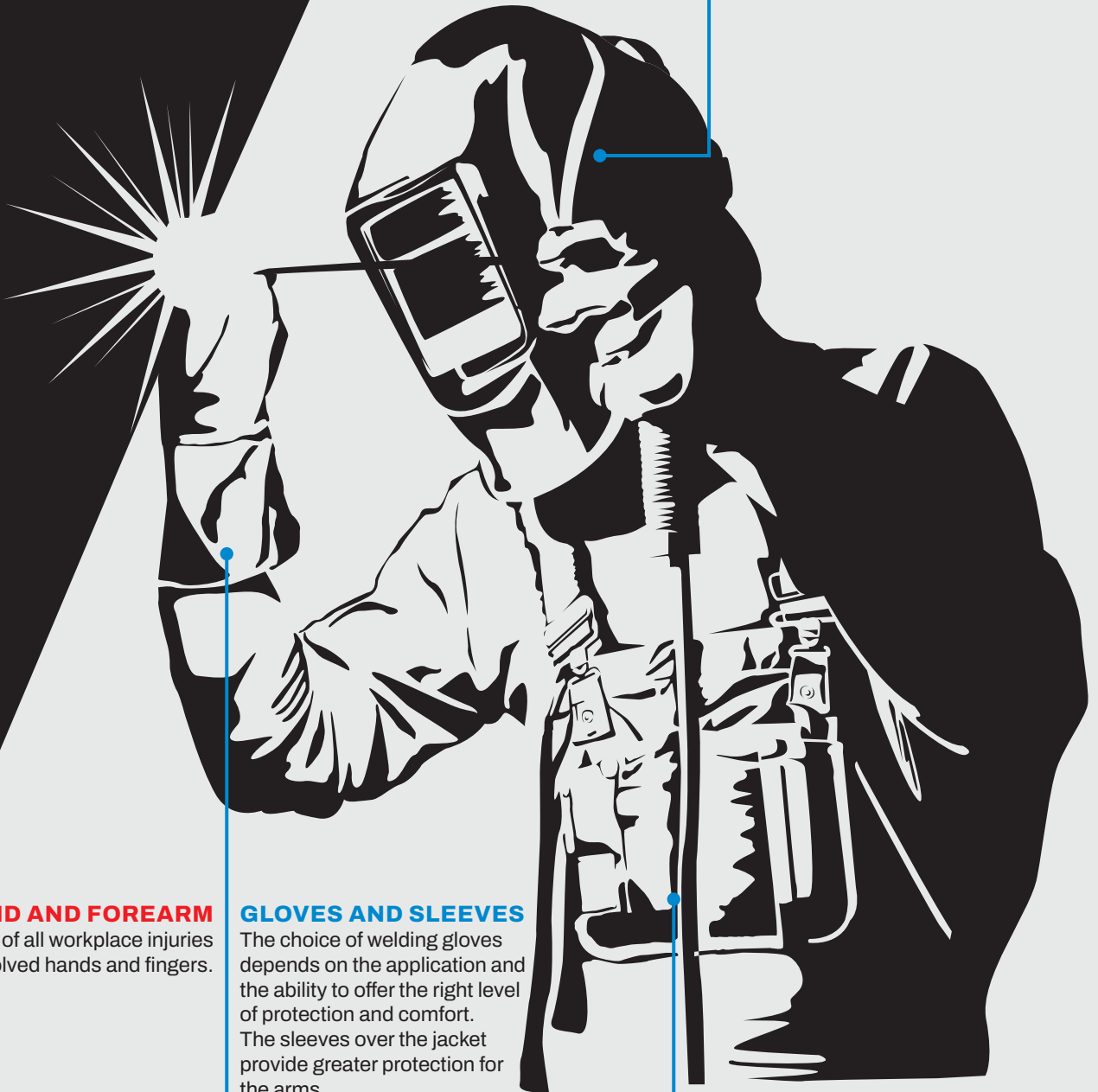
The choice of welding gloves depends on the application and the ability to offer the right level of protection and comfort. The sleeves over the jacket provide greater protection for the arms.

BODY

Every day many workers are hospitalized in burn centers with injuries due to the flames generated by the arcs.

WELDING APRON

Highest quality welding apron, made to protect clothing from welding spatter and grinding particles.



PROTECTOR 400



BAG	
CODE	90405
MASTERBOX	6 pcs
DIN	DIN 5
BOX WEIGHT	72 g
	Ø50 mm
BAR CODE	8004386904053

PROTECTOR 500



BLISTER	
CODE	90406
MASTERBOX	6 pcs
DIN	DIN 5
BOX WEIGHT	72 g
	Ø50 mm
BAR CODE	8004386904060

PROTECTOR 500 FLIP UP



BAG	
CODE	90407
MASTERBOX	6 pcs
DIN	DIN 5
BOX WEIGHT	72 g
	Ø50 mm
BAR CODE	8004386904077



PROTECTOR 1000

CODE	90360	DIN	DIN 11 FIX		50x105mm	BAR CODE	8004386903605
CODE	90362	DIN	DIN 11 FIX		75x98mm	BAR CODE	8004386903629
CODE	90364	DIN	DIN 11 FIX		90x110mm	BAR CODE	8004386903643
MASTERBOX					6 pcs		
BOX WEIGHT					350 g		



HELMET 2000-C FLIP UP

BOX							
CODE	90320	DIN	DIN 11 FIX		41x95mm	BAR CODE	8004386903209
MASTERBOX					1 pcs		
BOX WEIGHT					800 g		



ELECTRONIC MASK

CODE	90358	DIN	DIN 11 FIX		90x110mm	BAR CODE	8004386903582
MASTERBOX					6 pcs		
BOX WEIGHT					400 g		



ELECTRONIC



HELMET 3000-C FLIP UP

CODE	90419	DIN	DIN 11 FIX		90x110mm	BAR CODE	8004386904190
MASTERBOX					1 pcs		
BOX WEIGHT					900 g		

1100 - E

CODE: 95690

★ OPTICAL CLASS
★ 1/1/1/2

UV/IR
PROTECTION

2 ARC
SENSORS

SOLAR
POWER

LCD DISPLAY



SHADE
DIN 11 FIX



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALET	BAR CODE
1100 - E	0.1-0.8s	<1/10000s	DIN 11 FIX	91x39mm	1/1/1/2	2	0,5 kg	0,8 kg	90	8004386956908

1500 - G

CODE: 90356

★ OPTICAL CLASS
★ 1/1/1/2

UV/IR
PROTECTION

2 ARC
SENSORS

SOLAR
POWER

LCD DISPLAY



SHADE VARIABLE
DIN 4/9-13

SENSITIVITY &
DELAY TIME
ADJUSTABLE

GRINDING
MODE



PROTECTION LENSES - BLISTER

CODE	90309
SIZE	115x104x1 mm (FRONT) 95x43x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



PROTECTION LENSES - BULK

CODE	90339	CODE	90308
SIZE	115x104x1 mm (FRONT)	SIZE	95x43x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK

TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALET	BAR CODE
1500 - G	0.1-1.0s	<1/30000s	DIN 4/9-13	89x39mm	1/1/1/2	2	0,4 kg	0,9 kg	90	8004386903568

2000 - E 11

CODE: 90385

OPTICAL CLASS
1/1/1/2

UV/IR
PROTECTION

2 ARC
SENSORS

SOLAR
POWER

LCD DISPLAY



SHADE
DIN 11 FIX

PROTECTION LENSES - BLISTER	
CODE	90332
SIZE	115x104x1 mm (FRONT) 102,5x42,3x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



PROTECTION LENSES - BULK			
CODE	90339	CODE	90342
SIZE	115x104x1 mm (FRONT)	SIZE	102,5x42,3x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
2000-E 11	0.1-0.8s	<1/10000s	DIN 11 FIX	96x39mm	1/1/1/2	2	0,4 kg	0,8 kg	90	8004386903858

2000 - E

CODE: 90390

OPTICAL CLASS
1/1/1/2

UV/IR
PROTECTION

2 ARC
SENSORS

SOLAR
POWER

LCD DISPLAY

TRUE COLOR



SHADE VARIABLE
DIN 4/9-13

SENSITIVITY & DELAY TIME
ADJUSTABLE

PROTECTION LENSES - BLISTER	
CODE	90332
SIZE	115x104x1 mm (FRONT) 102,5x42,3x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



PROTECTION LENSES - BULK			
CODE	90339	CODE	90342
SIZE	115x104x1 mm (FRONT)	SIZE	102,5x42,3x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
2000 - E	0.1-1.0s	<1/30000s	DIN 4/9-13	96x39mm	1/1/1/2	2	0,4 kg	0,8 kg	90	8004386903902

2000 - G

CODE: 90392

★ OPTICAL CLASS
★ 1/1/1/2

UV/IR
PROTECTION

2 ARC
SENSORS

SOLAR
POWER

LCD DISPLAY

TRUE COLOR



SHADE VARIABLE
DIN 4/9-13

GLOSSY
PAINT

SENSITIVITY &
DELAY TIME
ADJUSTABLE

GRINDING
MODE

PROTECTION LENSES - BLISTER	
CODE	90327
SIZE	110x90x1 mm (FRONT) 102,5x42,3x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



PROTECTION LENSES - BULK			
CODE	90341	CODE	90342
SIZE	110x90x1 mm (FRONT)	SIZE	102,5x42,3x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALLET	BAR CODE
2000-G	0.1-1.0s	<1/30000s	DIN 4/9-13	92x42mm	1/1/1/2	2	0,4 kg	0,8 kg	90	8004386903926

3000 - E ORION

CODE: 90351

★ OPTICAL CLASS
★ 1/1/1/2

UV/IR
PROTECTION

4 ARC
SENSORS

SOLAR
POWER

LCD DISPLAY

TRUE COLOR



SHADE VARIABLE
DIN 4/9-13

SENSITIVITY &
DELAY TIME
ADJUSTABLE

GRINDING
MODE

PROTECTION LENSES - BLISTER	
CODE	90333
SIZE	115x104x1 mm (FRONT) 100x49x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



PROTECTION LENSES - BULK			
CODE	90339	CODE	90345
SIZE	115x104x1 mm (FRONT)	SIZE	100x49x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALLET	BAR CODE
3000-E ORION	0.1-1.0s	<1/30000s	DIN 4/9-13	100x45mm	1/1/1/2	4	0,4 kg	0,9 kg	90	8004386903513

3000 - E JOKER

CODE: 90352

★ OPTICAL CLASS
★ 1/1/1/2

**UV/IR
PROTECTION**

**4 ARC
SENSORS**

**SOLAR
POWER**

LCD DISPLAY

TRUE COLOR



**SHADE VARIABLE
DIN 4/9-13**

**SENSITIVITY &
DELAY TIME
ADJUSTABLE**

**GRINDING
MODE**

PROTECTION LENSES - BLISTER	
CODE	90333
SIZE	115x104x1 mm (FRONT) 100x49x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



PROTECTION LENSES - BULK			
CODE	90339	CODE	90345
SIZE	115x104x1 mm (FRONT)	SIZE	100x49x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK



TECHNICAL SPECIFICATIONS

MODEL	0.1-1.0s	<1/30000s	DIN 4/9-13	100X45mm	OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
3000-E JOKER	0.1-1.0s	<1/30000s	DIN 4/9-13	100X45mm	1/1/1/2	4	0,4 kg	0,9 kg	90	8004386903520

3000-E FLIP UP

CODE: 90353

★ OPTICAL CLASS
★ 1/1/1/2

**UV/IR
PROTECTION**

**4 ARC
SENSORS**

**SOLAR
POWER**

LCD DISPLAY

TRUE COLOR



**SHADE VARIABLE
DIN 4/5-8/9-13**

**SENSITIVITY &
DELAY TIME
ADJUSTABLE**

**GRINDING
MODE**

PROTECTION LENSES - BLISTER	
CODE	90328
SIZE	110x90x1 mm (FRONT) 100x49x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



PROTECTION LENSES - BULK			
CODE	90341	CODE	90345
SIZE	110x90x1 mm (FRONT)	SIZE	100x49x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK



TECHNICAL SPECIFICATIONS

MODEL	0.1-1.0s	<1/25000s	DIN 4/5-8/9-13	100x53mm	OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
3000 - E FLIP UP	0.1-1.0s	<1/25000s	DIN 4/5-8/9-13	100x53mm	1/1/1/2	4	0,4 kg	0,9 kg	90	8004386903537

4000 - E

CODE: 90397

★ OPTICAL CLASS
★ 1/1/1/1

UV/IR
PROTECTION

4 ARC
SENSORS

SOLAR
POWER

LCD DISPLAY

TRUE COLOR



SHADE VARIABLE
DIN 4/5-8/9-13

GLOSSY
PAINT

SENSITIVITY &
DELAY TIME
ADJUSTABLE

GRINDING
MODE

PROTECTION LENSES - BLISTER	
CODE	90334
SIZE	115x104x1 mm (FRONT) 100x63,5x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



PROTECTION LENSES - BULK			
CODE	90339	CODE	90346
SIZE	115x104x1 mm (FRONT)	SIZE	100x63,5x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
4000 - E	0.1-1.0s	<1/30000s	DIN 4/5-8/9-13	100X60mm	1/1/1/1	4	0,4 kg	1,0 kg	90	8004386903971

5000 - E

CODE: 90399

★ OPTICAL CLASS
★ 1/1/1/2

UV/IR
PROTECTION

4 ARC
SENSORS

SOLAR
POWER

LCD DISPLAY

TRUE COLOR



SHADE VARIABLE
DIN 4/5-8/9-13

SENSITIVITY &
DELAY TIME
ADJUSTABLE

GRINDING
MODE

PROTECTION LENSES - BLISTER	
CODE	90338
SIZE	118x137x1 mm (FRONT) 105x92x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



PROTECTION LENSES - BULK			
CODE	90347	CODE	90349
SIZE	118x137x1 mm (FRONT)	SIZE	105x92x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
5000 - E	0.1-1.0s	<1/30000s	DIN 4/5-8/9-13	98x87mm	1/1/1/2	4	0,4 kg	1,0 kg	90	8004386903995

5500 - E

CODE: 95700

★ OPTICAL CLASS
★ 1/1/1/1

**UV/IR
PROTECTION**

**4 ARC
SENSORS**

**SOLAR
POWER**

LCD DISPLAY

TRUE COLOR



**SHADE VARIABLE
DIN 5-9/9-13**

**SENSITIVITY &
DELAY TIME
ADJUSTABLE**

**GRINDING
MODE**



PROTECTION LENSES - BLISTER	
CODE	90289
SIZE	122x138x1 mm (FRONT) 105x100x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALLET	BAR CODE
5500 - E	0.2-0.8s	<1/30000s	DIN 5-9/9-13	100X97mm	1/1/1/1	4	0,4 kg	1,0 kg	90	8004386957004



★ OPTICAL CLASS
★ 1/1/1/2

 **GRINDING
MODE**



OPTIONAL

**PARTICULATE
FILTER**
COD. 90462



**FOAM
PREFILTER**
COD. 90461



PROTECTION LENSES - BLISTER

CODE	90338
SIZE	118x137x1 mm (FRONT) 105x92x1 mm (BACK)
PCS	2 pcs FRONT 2 pcs RETRO

PROTECTION LENSES - BULK

CODE	90347	CODE	90349
SIZE	118x137x1 mm (FRONT)	SIZE	105x92x1 mm (BACK)
PCS	20 pcs FRONT	PCS	20 pcs BACK

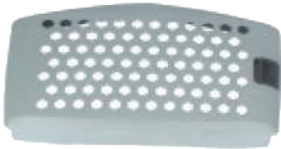
TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALLET	BAR CODE
6000-E AIR FRESH	0.1-1.0s	Digital 1-7 level (Digital Control)	DIN 4/5-8/9-13	98x87mm	1/1/1/2	4	2,7 kg	3 kg	40	8004386904039

AIR PURIFYING RESPIRATOR



Filter Cover



Foam Prefilter



Spark Guard Screen



Particulate Filter



Air Filter



Battery



Battery Charger



Waist Belt and Shoulder Harness



Air Flow Speed	170L/Min, 220L/Min
System	Automatic detecting and controlling system provides constantly stable clean air
Switch	2 levels of airflow control - On/off Switch button control
Warning Alarms	Audible+Visual for Low Power, Clogged Filter, Reduced Air Flow
Noise	Max 67dB
Filter Type	TH3P-R-SL
Dimension	224x190x70mm(LxWxT)
Weight	1.1kg (including filter, belt and battery)
Battery Operating Time	High air flow: 7.5 hours Low air flow: 10 hours
Battery	14.8V/2.2Ah LI/ON
Recharge Number of Time	>500
Charge Time	From flat 1.5 hours

7000 - E

CODE: 95715

★ OPTICAL CLASS
★ 1/1/1/2

**UV/IR
PROTECTION**

4 ARC
SENSORS

**SOLAR
POWER**

TRUE COLOR

**TIG RATING
2A - 350A**



**SHADE VARIABLE
DIN 4-8/9-13**

**SENSITIVITY &
DELAY TIME
ADJUSTABLE**



**GRINDING
MODE**



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
7000-E	0.04-2.0s	<1/15000s	DIN 4-8/9-13	108X74mm	1/1/1/2	4	0,5 kg	1,0 kg	90	8004386957158

7000 - E LCD

CODE: 95710

★ OPTICAL CLASS
★ 1/1/1/2

**UV/IR
PROTECTION**

4 ARC
SENSORS

**SOLAR
POWER**

TRUE COLOR

**TIG RATING
2A - 350A**



**SHADE VARIABLE
DIN 4-8/9-13**

**SENSITIVITY &
DELAY TIME
ADJUSTABLE**



**GRINDING
MODE**



TECHNICAL SPECIFICATIONS

MODEL					OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
7000-E LCD	0.04-2.0s	<1/15000s	DIN 4-8/9-13	108X74mm	1/1/1/2	4	0,5 kg	1,0 kg	90	8004386957103

8000 - E

CODE: 95800

OPTICAL CLASS
1/1/1/1

UV/IR
PROTECTION

4 ARC
SENSORS

SOLAR
POWER

TRUE COLOR

LCD DISPLAY

TIG RATING
2A - 350A

1 AMBIENT
LIGHT SENSOR



SHADE VARIABLE
DIN 4-8/9-13

SENSITIVITY &
DELAY TIME
ADJUSTABLE

GRINDING
MODE

TECHNICAL SPECIFICATIONS

MODEL	0.04-2.0s	<1/25000s	DIN 4-8/9-13	116X81mm	OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
8000-E	0.04-2.0s	<1/25000s	DIN 4-8/9-13	116X81mm	1/1/1/1	4	0,6 kg	1,0 kg	90	8004386958001

9000 - E VISION

CODE: 95850

OPTICAL CLASS
1/1/1/1

UV/IR
PROTECTION

4 ARC
SENSORS

SOLAR
POWER

TRUE COLOR

LCD DISPLAY

TIG RATING
2A - 350A

1 AMBIENT
LIGHT SENSOR



SHADE VARIABLE
DIN 4-8/9-13

SENSITIVITY &
DELAY TIME
ADJUSTABLE

GRINDING
MODE

TECHNICAL SPECIFICATIONS

MODEL	0.04-2.0s	<1/25000s	DIN 4-8/9-13	116X81mm	OPTICAL CLASS	ARC SENSORS	PRODUCT WEIGHT	BOX WEIGHT	PCS PER EUROPALETTE	BAR CODE
9000-E VISION	0.04-2.0s	<1/25000s	DIN 4-8/9-13	116X81mm	1/1/1/1	4	0,7 kg	1,0 kg	90	8004386958506

WELDING GLASSES / VETRINI SALDATURA

VERTEC

BULK			
CODE	90400	90402	90404
PCS	1	1	1
SIZE	50x105 mm	75x98 mm	90x110 mm
MASTERBOX	100 PCS	100 PCS	100 PCS

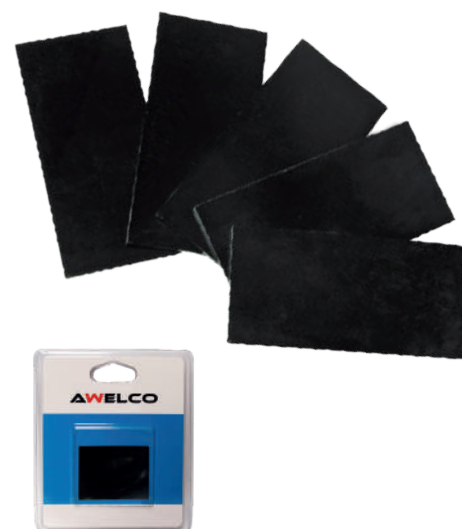
BLISTER			
CODE	90400/S	90402/S	90404/S
PCS	2	2	2
SIZE	50x105 mm	75x98 mm	90x110 mm
MASTERBOX	12 PCS	12 PCS	12 PCS



PROTECT

BULK							
CODE	90411	90413	90414	90415	90416	90424	90434
PCS	1	1	1	1	1	1	1
DIN	11	9	10	11	12	11	11
SIZE	50x105 mm	55x110 mm	55x110 mm	55x110 mm	55x110 mm	75x98 mm	90x110 mm
MASTERBOX	100 PCS	100 PCS	100 PCS	100 PCS	100 PCS	100 PCS	100 PCS

BLISTER			
CODE	90411/S	90424/S	90434/S
PCS	2	2	2
DIN	11	11	11
SIZE	50x105 mm	75x98 mm	90x110 mm
MASTERBOX	12 PCS	12 PCS	12 PCS



PROTECT

BLISTER	
CODE	90412/S
PCS	2
DIN	5
SIZE	Ø 50 mm
MASTERBOX	12 PCS



WELDING PROTECTION / ACCESSORI DI PROTEZIONE
**WORK
GLOVES**

CODE	90329
PCS	1 COUPLE
MASTERBOX	25 PCS


**WELDING
GLOVES**

CODE	90330
STANDARD	A1:2005
PCS	1 COUPLE
MASTERBOX	25 PCS


**GLOVES'
HEAT
SHIELD**

CODE	90211
PCS	1
MASTERBOX	25 PCS


**LEATHER
SLEEVES
40cm**

CODE	90312
PCS	1 COUPLE
MASTERBOX	25 PCS


**LEATHER
SLEEVES
STRIP 48cm**

CODE	90313
PCS	1 COUPLE
MASTERBOX	25 PCS


**LEATHER
HOOD**

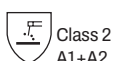
CODE	90220	90221
SIZE	h 39 cm	h 44 cm
PCS	1	1
MASTERBOX	25 PCS	25 PCS



WELDING PROTECTION / ACCESSORI DI PROTEZIONE

DIY
WELDING
APRON

BAG HOOK	
CODE	90314
SIZE	600mm x 850mm
PCS	1
MASTERBOX	6 PCS

Class 2
A1+A2PRO
WELDING
APRON

BOX	
CODE	90316
SIZE	600mm x 1000mm
PCS	1
MASTERBOX	5 PCS

WORKER
APRON

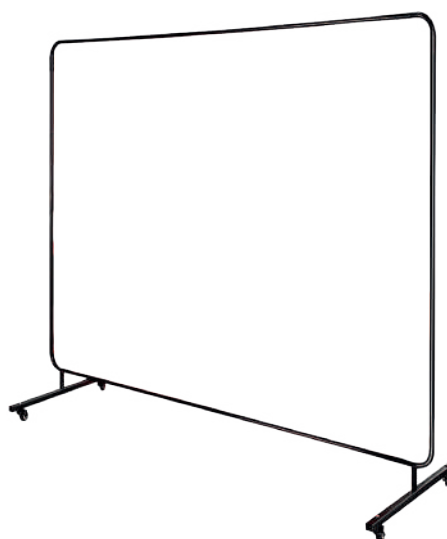
BAG HOOK	
CODE	90318
PCS	1
MASTERBOX	2 PCS

RED
WELDING
CURTAIN

BAG		
CODE	90251	90252
SIZE	174X174 cm	174x234 cm
PCS	1	1
MASTERBOX	1 PCS	1 PCS

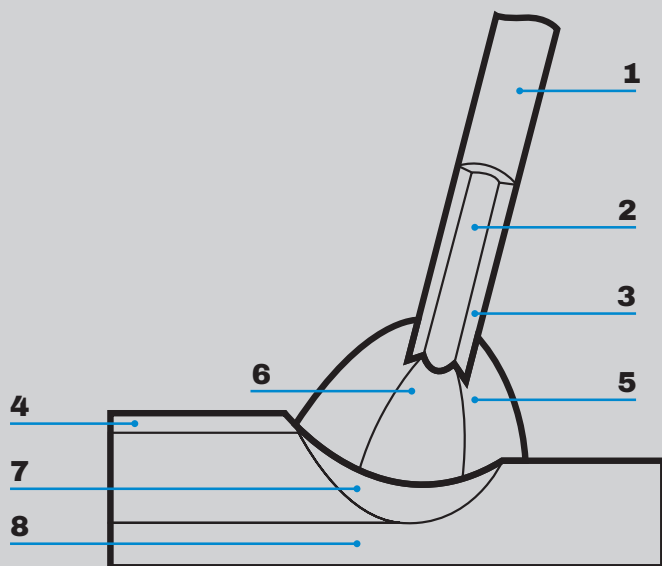
ROUND TUBE
FRAME FOR
WELDING
CURTAIN

CODE	90253	90254
SIZE	174x174 cm	174x234 cm
PCS	1	1
MASTERBOX	1 PCS	1 PCS



MMA PROCESS

Coated electrode MMA (Manual Metal Arc) welding takes advantage of the heat generated by an arc that strikes between the electrode and the workpiece. It is probably the world's most widely used technology for manual metal arc welding. With this process all ferrous metals are commonly welded, namely iron, different types of steel, including stainless steel, and cast iron. With other metals, poor results are obtained; for some, electrode welding is impossible. The productivity of this procedure is limited: it is necessary to stop welding when the electrode is worn out and needs to be replaced, and slag must also be removed after every single pass.



IT/ 1. Elettrodo 2. Anima 3. Rivestimento 4. Scoria 5. Protezione gassosa 6. Arco di saldatura 7. Bagno di fusione 8. Materiale base

FR/ 1. Électrode 2. Âme 3. Revêtement 4. Scories 5. Protection gazeuse 6. Arc de soudage 7. Bain de fusion 8. Matériau de base

EN/ 1. Electrode 2. Core 3. Coating 4. Slag 5. Gaseous protection 6. Welding arc 7. Melting pool 8. Base material

ES/ 1. Electrodo 2. Alma 3. Rivestimento 4. Escoria 5. Protección gassosa 6. Arco de soldadura 7. Baño de fusión 8. Material de base

DE/ 1. Elektrode 2. Kern 3. Umhüllung 4. Schlacke 5. Gasschutz 6. Schweissbogen 7. Schmelzbad 8. Grundstoff

PT/ 1. Eléctrodo 2. Alma 3. Revestimento 4. Escória 5. Proteção gasosa 6. Arco de soldadura 7. Banho de fusão 8. Material de base

Ø ELECTRODE	WELDING CURRENT	ABSORBED POWER
2	60 Amp	1,5 kW
2,5	80 Amp	2,1 kW
3,25	115 Amp	3,2 kW
4	160 Amp	4,7 kW
5	200 Amp	6,3 kW

DUTY CYCLE

IT/ Il Duty Cycle è il numero di minuti in un intervallo di 10 minuti durante i quali una saldatrice può lavorare continuamente ad una data corrente. Il Duty Cycle relativo alla massima corrente dipende dalla temperatura alla quale viene misurato.

FR/ Le Cycle de travail correspond au nombre de minutes, dans un intervalle de 10 minutes, durant lesquelles un poste de soudage peut fonctionner en continu à une certaine courant. Le Cycle de travail relatif au courant maximal dépend de la température à laquelle il est mesuré.

EN/ The Duty Cycle is the number of minutes within an interval of 10 minutes during which one welding machine can operate continuously at a given current. The Duty Cycle for the maximum current depends on the temperature at which it is measured.

ES/ El Duty Cycle es el número de minutos, en un intervalo de 10 minutos, durante los cuales una soldadora puede trabajar continuamente a una determinada corriente. El Duty Cycle relativo a la máxima corriente depende de la temperatura a la cual se mide.

DE/ Die Einschaltdauer sagt aus, wie viele Minuten eine Schweißmaschine in einem 10 Minuten langen Zeitraum mit einer bestimmten Stromstärke kontinuierlich arbeiten kann. Die Einschaltdauer für den Höchststrom hängt davon ab, bei welcher Temperatur gemessen wird.

PT/ O Ciclo de Trabalho é o número de minutos, num intervalo de 10 minutos, durante os quais um aparelho de soldar pode funcionar continuamente a uma determinada corrente. O Ciclo de Trabalho relativo à corrente máxima depende da temperatura à qual de mede.

ELECTRODE HOLDER / PINZA PORTA Elettrodo

VULCAN V160

120 A
 Cable: 10-16mm²
 Max Electrodes: Ø2,5mm
 120A (35%)
 80A (60%)

MULTI HOLE PLATE

CODE	88125
PCS	1
MASTERBOX	12 PCS

**VULCAN V200**

200 A
 Cable: 10-25mm²
 Max Electrodes: Ø3,25mm
 200A (35%)
 120A (60%)

MULTI HOLE PLATE

CODE	88200
PCS	1
MASTERBOX	12 PCS

**VULCAN V300**

300 A
 Cable: 16-35mm²
 Max Electrodes: Ø4mm
 300A (35%)
 200A (60%)

BLISTER

CODE	88300
PCS	1
MASTERBOX	12 PCS

**VULCAN V400**

400 A
 Cable: 25-50mm²
 Max Electrodes: Ø5mm
 400A (35%)
 300A (60%)

BLISTER

CODE	88305
PCS	1
MASTERBOX	6 PCS

**VULCAN V500**

500 A
 Cable: 35-70mm²
 Max Electrodes: Ø8mm
 500A (35%)
 400A (60%)

BLISTER

CODE	88500
PCS	1
MASTERBOX	6 PCS



ELECTRODES / Elettrodi

ARK - EL - BAG HOOK RUTILE - E6013

CODE	90505	90506
PCS	10	10
Ø	2,0 mm	2,5 mm
LENGHT	300 mm	300 mm
MASTERBOX	6 PCS	6 PCS



ARK - EL - BAG RUTILE - E6013

CODE	90507	90508
PCS	25	50
Ø	2,5 mm	2,5 mm
LENGHT	300 mm	300 mm
MASTERBOX	6 PCS	6 PCS



ARK - EL - BLISTER RUTILE - E6013

CODE	90468	90470	90471	90490	90480	90481
PCS	25	25	25	15	50	50
Ø	1,6 mm	2,0 mm	2,5 mm	3,25 mm	2,0 mm	2,5 mm
LENGHT	300 mm	300 mm	300 mm	300 mm	300 mm	300 mm
MASTERBOX	20 pcs	20 pcs	20 pcs	20 pcs	20 pcs	20 pcs



ARK - EL - BLISTER STAINLESS STEEL / INOX - E308

CODE	90492	90493
PCS	10	8
Ø	2,5 mm	3,25 mm
LENGHT	300 mm	350 mm
MASTERBOX	6 pcs	6 pcs



ARK - EL - BLISTER - CAST IRON / GHISA - A5.15 / ENiFe - CI

CODE	90494
PCS	12
Ø	2,5 mm
LENGHT	300 mm
MASTERBOX	2 pcs

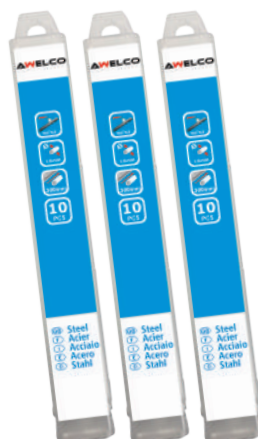


Other sizes can be supplied on demand. / Altre misure possono essere fornite su richiesta.

ELECTRODES / Elettrodi

ARK - EL
TUBES HOOK RUTILE - E6013

CODE	90495	90496	90497	90498
PCS	50	30	20	10+10+10
Ø	2,0 mm	2,5 mm	3,25 mm	2,0+2,5+3,25 mm
LENGHT	300 mm	300 mm	300 mm	300 mm
MASTERBOX	8 pcs	8 pcs	8 pcs	8 pcs

ARK - EL
PLASTIC
TUBE RUTILE -
E6013

CODE	90499
PCS	121
Ø	2,5 mm
LENGHT	300 mm
MASTERBOX	4 pcs

ARK - EL PLASTIC TUBE
STAINLESS STEEL /
INOX - E308

CODE	90500
PCS	110
Ø	2,5 mm
LENGHT	300 mm
MASTERBOX	4 pcs

ARK - EL PLASTIC TUBE
STAINLESS STEEL /
INOX - E316L

CODE	90502
PCS	110
Ø	2,5 mm
LENGHT	300 mm
MASTERBOX	4 pcs

ARK - EL
CARTON PROF RUTILE - E6013

CODE	90731	90744	90745	90755	90790
PCS	402	202	303	202	50+50+30
Ø	2,0 mm	2,5 mm	2,5 mm	3,25 mm	2,0+2,5+3,25 mm
LENGHT	300 mm	300 mm	300 mm	300 mm	300 mm
MASTERBOX	4 pcs	4 pcs	4 pcs	4 pcs	4 pcs



DRY RODS

FORNETTO PER ELETTRODI

CODE	92478
ELECTRODE CAPACITY	5 kg
INPUT VOLTAGE	AC 220V DC 110V
MAX TEMPERATURE	50-150° C
ELECTRODE LENGHT	450 mm



Other sizes can be supplied on demand. / Altre misure possono essere fornite su richiesta.

MMA KIT / KIT MMA

MMA KIT 200

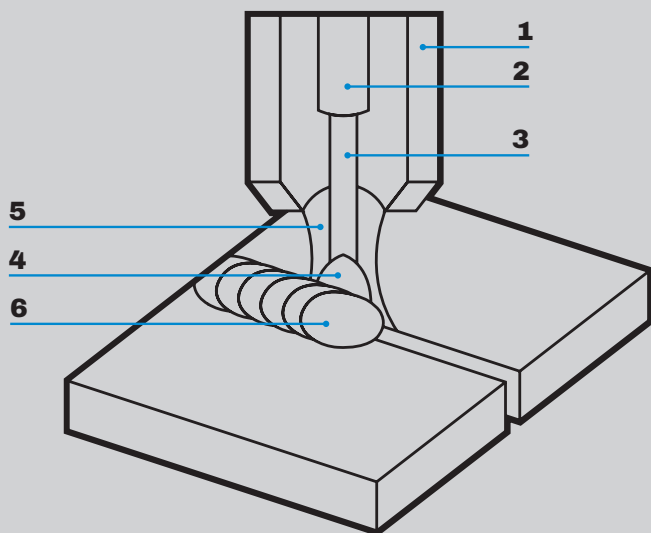
CARTON BAG	
CODE	98062
PCS	WELDING MASK (x1) HAMMER BRUSH (x1) ELECTRODE HOLDER 200Amp (x1) EARTH CLAMP 300Amp (x1) WELDING CABLE 3m - Ø16mm ² (x2) CONNECTOR 25-35

MMA KIT 300

CARTON BAG	
CODE	98063
PCS	WELDING MASK (x1) HAMMER BRUSH (x1) ELECTRODE HOLDER 300Amp (x1) EARTH CLAMP 300Amp (x1) WELDING CABLE 5m - Ø25mm ² (x2) CONNECTOR 35-50



MIG - MAG PROCESS



IT/ 1. Ugello 2. Punta guidafile 3. Filo-elettrodo 4. Arco di saldatura 5. Protezione gassosa 6. Bagno di fusione

FR/ 1. Bec 2. Tube contact 3. Fil-électrode 4. Arc de soudage 5. Protection gazeuse 6. Bain de fusion

EN/ 1. Nozzle 2. Contact tip 3. Wire-electrode 4. Welding arc 5. Gaseous protection 6. Melting pool

ES/ 1. Inyector 2. Tubito de contacto 3. Hilo-electrodo 4. Arco de soldadura 5. Protección gassosa 6. Baño de fusión

DE/ 1. Düse 2. Kontaktröhrchen 3. Draht-elektrode 4. Schweissbogen 5. Gasschutz 6. Schmelzbad

PT/ 1. Injetor 2. Tubo de contacto 3. Fio-eléetrodo 4. Arco de soldadura 5. Proteção gasosa 6. Banho de fusão

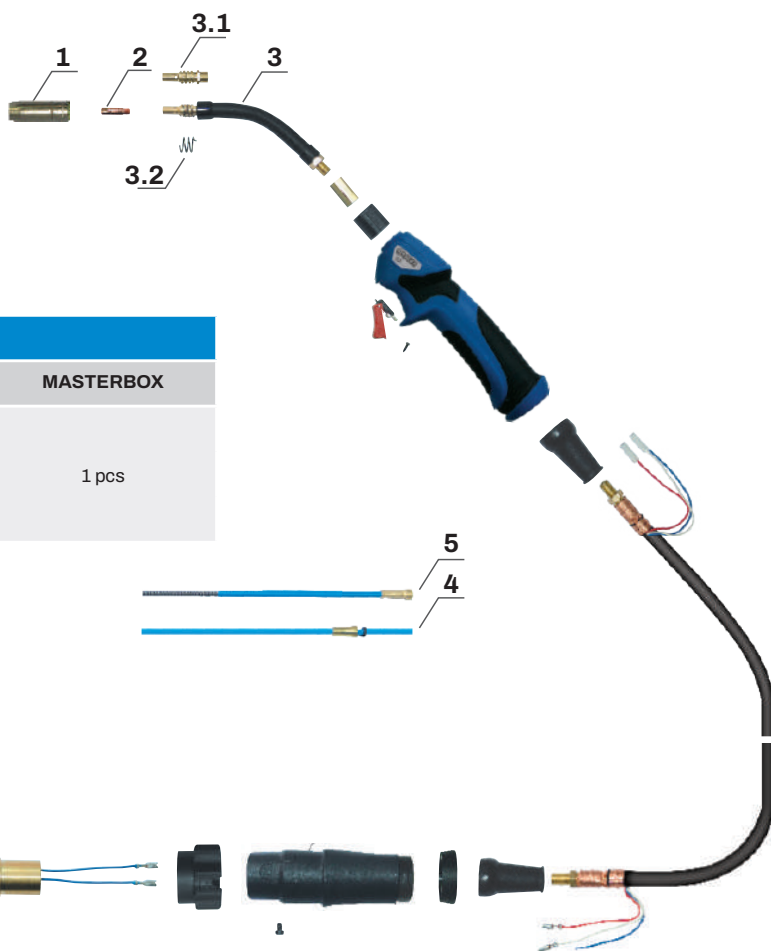
WELDING GAS

MATERIAL			MODE	CO ₂	ArCO ₂ (80/20)	AR	ArCO ₂ (82/18)	ArCO ₂ (92/8)	ArCO ₂ (98/2)	ArCO ₂ (98/2)
EN/ Steel	FR/ Acier	DE/ Stahl	Short/Spray Arc	✓	✓		✓			
IT/ Acciaio	ES/ Acero	PT/ Aço	Pulse Arc		✓		✓	✓		
EN/ Stainless steel	FR/ Acier inox	DE/ Edelstahl	Short/Spray Arc		✓		✓	✓		
IT/ Acciaio inox	ES/ Acero inoxidable	PT/ Aço inox	Pulse Arc					✓	✓	✓
EN/ Aluminium	FR/ Aluminium	DE/ Aluminium	Short/Spray Arc Pulse Arc			✓				
IT/ Alluminio	ES/ Aluminio	PT/ Alumínio	Short/Spray Arc			✓				
EN/ Brass/Bronze	FR/ Laiton/Bronze	DE/ Messing/Bronze	Short/Spray Arc Pulse Arc			✓				
IT/ Ottone/bronzo	ES/ latón/bronce	PT/ Latão/Bronze								
EN/ Brazing	FR/ Brasage	DE/ Mig-löten								
IT/ Brasatura	ES/ Cobresoldadura	PT/ Brasagem								

TORCH AWT 15

CODE: 91015 - 91016 - 91018

EN60974-7



COMPLETE TORCH AX 15 EURO ATTACK

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
91015	MIG TORCH AWT 15 - 3mt	Duty 60%: 180A - CO ₂ Duty 60%: 150A - MIX Wire/Filo: 0,6-1,0 mm	1 pcs
91016	MIG TORCH AWT 15 - 4mt		
91018	MIG TORCH AWT 15 - 5mt		

1	A	B	B	C
CONICAL SMALL	Ø 10mm	Ø 12mm	Ø 18mm	54 mm
CONICAL LARGE	Ø 14mm	Ø 12mm	Ø 18mm	54 mm
CYLINDRICAL	Ø 18mm	Ø 12mm	Ø 18mm	54 mm
SPOT	Ø 19mm	Ø 12mm	Ø 19mm	62.5 mm

2	D	E	F
CONTACT TIP	M6	Ø 0,6-0,8 - 1,0mm	25mm

POSITION	COD	DESCRIPTION	PCS
1	91515	Gas Nozzle/Ugello Gas AWT15 - Conical Small	x10
	91508	Gas Nozzle/Ugello Gas AWT15 - Conical Large	x10
	91520	Gas Nozzle/Ugello Gas AWT15 - Cylindrical	x10
	91510/S	Gas Nozzle/Ugello Gas AWT15 - Conical Large	Blister x2
	91515/S	Gas Nozzle/Ugello Gas AWT15 - Conical Small	Blister x2
	91520/S	Gas Nozzle/Ugello Gas AWT15 - Cylindrical	Blister x2
	91110/S	Gas Nozzle/Ugello Gas AWT15 - Spot	Blister x2
2	91200	Contact Tip/Punta di contatto M6x25 - Ø0,6	Blister x5
	91210	Contact Tip/Punta di contatto M6x25 - Ø0,8	Blister x5
	91220	Contact Tip/Punta di contatto M6x25 - Ø1,0	Blister x5
	91205	Contact Tip/Punta di contatto M6x25 - Ø0,6	x50
	91212	Contact Tip/Punta di contatto M6x25 - Ø0,8	x50
	91225	Contact Tip/Punta di contatto M6x25 - Ø1,0	x50
	91240	Contact Tip Alu/Punta di contatto Alluminio M6x25 - Ø0,8	Blister x5
	91250/S	Contact Tip Alu/Punta di contatto Alluminio M6x25 - Ø1,0	Blister x5
	91242	Contact Tip Alu/Punta di contatto Alluminio M6x25 - Ø0,8	x50
	91250	Contact Tip Alu/Punta di contatto Alluminio M6x25 - Ø1,0	x50

POSITION	COD	DESCRIPTION	PCS
3	91130	Torch head/Collo di cigno	x1
3.1	91801	Diffuser/Diffusore	x5
3.2	92300	Spring/Molla	x5
4	92010	Teflon liner/Guaina in Teflon Ø4.0 x 1.5mm 3m	x1
5	92000	Blu liner/Guaina blu Ø0.6-1.0 x 3m	x1
	91121	Contact tip spanner/Chiave per punta di contatto	x1

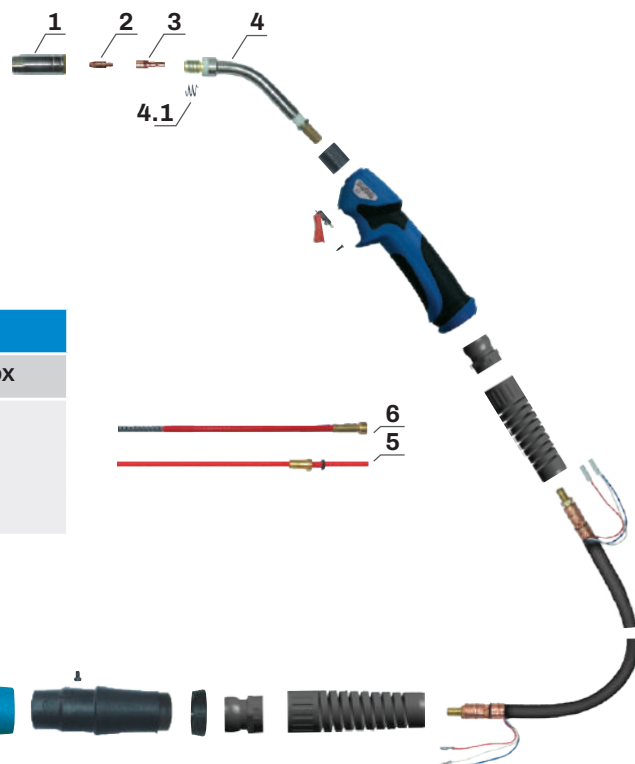
Blister
x5Blister
x2

Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

TORCH AWT 25

CODE: 91020 - 91021 - 91022

EN60974-7



COMPLETE TORCH AWT 25 EURO ATTACK

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
91020	MIG TORCH AWT 25 - 3mt	DUTY 60%: 230A - CO ₂ DUTY 60%: 200A - MIX WIRE/FILO: 0,8-1,2 mm	1 pcs
91021	MIG TORCH AWT 25 - 4mt		
91022	MIG TORCH AWT 25 - 5mt		

	1	A	B	B	C
CONICAL SMALL	Ø 10mm	Ø 15mm	Ø 22mm	58 mm	
CONICAL LARGE	Ø 14mm	Ø 15mm	Ø 22mm	58 mm	
CYLINDRICAL	Ø 22mm	Ø 15mm	Ø 22mm	58 mm	

	2	D	E	F
CONTACT TIP	M6	Ø 0,6-0,8-1,0-1,2mm	28mm	

POSITION	COD	DESCRIPTION	PCS
1	91545	Gas Nozzle/Ugello Gas AWT25 - Conical Small	x10
	91530	Gas Nozzle/Ugello Gas AWT25 - Conical Large	x10
	91550	Gas Nozzle/Ugello Gas AWT25 - Cylindrical	x10
	91545/S	Gas Nozzle/Ugello Gas AWT25 - Conical Small	Blister x2
	91530/S	Gas Nozzle/Ugello Gas AWT25 - Conical Large	Blister x2
	91550/S	Gas Nozzle/Ugello Gas AWT25 - Cylindrical	Blister x2
2	91259/S	Contact Tip/Punta di contatto M6x28 - Ø0,6	Blister x5
	91260/S	Contact Tip/Punta di contatto M6x28 - Ø0,8	Blister x5
	91270/S	Contact Tip/Punta di contatto M6x28 - Ø1,0	Blister x5
	91280/S	Contact Tip/Punta di contatto M6x28 - Ø1,2	Blister x5
	91286/S	Contact Tip/Punta di contatto M6x28 - Ø1,4	Blister x5
	91259	Contact Tip/Punta di contatto M6x28 - Ø0,6	x50
	91260	Contact Tip/Punta di contatto M6x28 - Ø0,8	x50
	91270	Contact Tip/Punta di contatto M6x28 - Ø1,0	x50
	91280	Contact Tip/Punta di contatto M6x28 - Ø1,2	x50
	91286	Contact Tip/Punta di contatto M6x28 - Ø1,4	x50
	91300/S	Contact Tip Alu/Punta di contatto Alluminio M6x28 - Ø0,8	Blister x5
	91310/S	Contact Tip Alu/Punta di contatto Alluminio M6x28 - Ø1,0	Blister x5
	91320/S	Contact Tip Alu /Punta di contatto alluminio M6x28 - Ø1,2	Blister x5
	91300	Contact Tip Alu /Punta di contatto alluminio M6x28 - Ø0,8	x50
	91310	Contact Tip Alu /Punta di contatto alluminio M6x28 - Ø1,0	x50
	91320	Contact Tip Alu /Punta di contatto alluminio M6x28 - Ø1,2	x50

POSITION	COD	DESCRIPTION	PCS
3	91810	Diffuser/Diffusore	x5
4	91135	Torch head/Collo di cigno	x1
4.1	92300	Spring/Molla	x1
5	92013	Teflon liner/Guaina in Teflon Ø4.0 x 1.5mm 3m	x1
	92014	Teflon liner Red/Guaina in Teflon Rossa Ø2.0X4.0mm 4m	x1
	92015	Teflon liner Red/Guaina in Teflon Rossa Ø2.0X4.0mm 5m	x1
6	92003	Red liner/Guaina Rossa Ø1.0-1.2mm 3m	x1
	92004	Red liner/Guaina Rossa Ø1.0-1.2mm 4m	x1
	92005	Red liner/Guaina Rossa Ø1.0-1.2mm 5m	x1
	91121	Contact tip spanner/ Chiave per punta di contatto	x1



Blister x5



Blister x2

Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

TORCH AWT 36

CODE: 91035 - 91036 - 91038

EN60974-7



COMPLETE TORCH AWT 36 EURO ATTACK

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
91035	MIG TORCH AWT 36 - 3mt	DUTY 60%: 340A - CO ₂ DUTY 60%: 300A - MIX WIRE/FILO: 0,8-1,6 mm	1 pcs
91036	MIG TORCH AWT 36 - 4mt		
91038	MIG TORCH AWT 36 - 5mt		



1	A	B	B	C
CONICAL SMALL	Ø 11mm	Ø 20mm	Ø 24mm	85 mm
CONICAL LARGE	Ø 16mm	Ø 20mm	Ø 24mm	85 mm
CYLINDRICAL	Ø 24mm	Ø 20mm	Ø 24mm	85 mm

2	D	E	F
CONTACT TIP	M6	Ø 0,6-0,8-1,0-1,2-1,6mm	28mm

POSITION	COD	DESCRIPTION	PCS
1	91570	Gas Nozzle/Ugello Gas AWT36 - Conical Small	x10
	91560	Gas Nozzle/Ugello Gas AWT36 - Conical Large	x10
	91580	Gas Nozzle/Ugello Gas AWT36 - Cylindrical	x10
	91570/S	Gas Nozzle/Ugello Gas AWT36 - Conical Small	Blister x2
	91560/S	Gas Nozzle/Ugello Gas AWT36 - Conical Large	Blister x2
	91580/S	Gas Nozzle/Ugello Gas AWT36 - Cylindrical	Blister x2
2	91259/S	Contact Tip/Punta di contatto M6x28 - Ø0,6	Blister x5
	91260/S	Contact Tip/Punta di contatto M6x28 - Ø0,8	Blister x5
	91270/S	Contact Tip/Punta di contatto M6x28 - Ø1,0	Blister x5
	91280/S	Contact Tip/Punta di contatto M6x28 - Ø1,2	Blister x5
	91286/S	Contact Tip/Punta di contatto M6x28 - Ø1,4	Blister x5
	91290/S	Contact Tip/Punta di contatto M6x28 - Ø1,6	Blister x5
	91259	Contact Tip/Punta di contatto M6x28 - Ø0,6	x50
	91260	Contact Tip/Punta di contatto M6x28 - Ø0,8	x50
	91270	Contact Tip/Punta di contatto M6x28 - Ø1,0	x50
	91280	Contact Tip/Punta di contatto M6x28 - Ø1,2	x50
	91286	Contact Tip/Punta di contatto M6x28 - Ø1,4	x50
	91290	Contact Tip/Punta di contatto M6x28 - Ø1,6	x50
	91300/S	Contact Tip Alu/Punta di contatto Alluminio M6x28 - Ø0,8	Blister x5
	91310/S	Contact Tip Alu/Punta di contatto Alluminio M6x28 - Ø1,0	Blister x5
	91320/S	Contact Tip Alu/Punta di contatto alluminio M6x28 - Ø1,2	Blister x5
	91330/S	Contact Tip Alu/Punta di contatto Alluminio M6x28 - Ø1,6	Blister x5
	91300	Contact Tip Alu/Punta di contatto alluminio M6x28 - Ø0,8	x50
	91310	Contact Tip Alu/Punta di contatto alluminio M6x28 - Ø1,0	x50
	91320	Contact Tip Alu/Punta di contatto alluminio M6x28 - Ø1,2	x50
	91330	Contact Tip Alu/Punta di contatto alluminio M6x28 - Ø1,6	x50

POSITION	COD	DESCRIPTION	PCS
3	91918	Contact tip holder/Porta punta di contatto M8x30	x1
4	91826	Ceramic gas diffuser/Diffusore gas ceramico	x5
5	91145	Torch head 36/Collo di cigno 36	x1
7	92020	Teflon liner Yellow/Guaina in Teflon Giallo Ø3.0 x 4.5mm 3m	x1
	92021	Teflon liner Yellow/Guaina in Teflon Giallo Ø3.0 x 4.5mm 4m	x1
	92022	Teflon liner Yellow/Guaina in Teflon Giallo Ø3.0 x 4.5mm 5m	x1
8	92006	Yellow liner/Guaina gialla Ø1.2-1.6 x 3m	x1
	92007	Yellow liner/Guaina gialla Ø1.2-1.6 x 4m	x1
	92008	Yellow liner/Guaina gialla Ø1.2-1.6 x 5m	x1
	91121	Contact tip spanner/Chiave per punta di contatto	x1



Blister x5



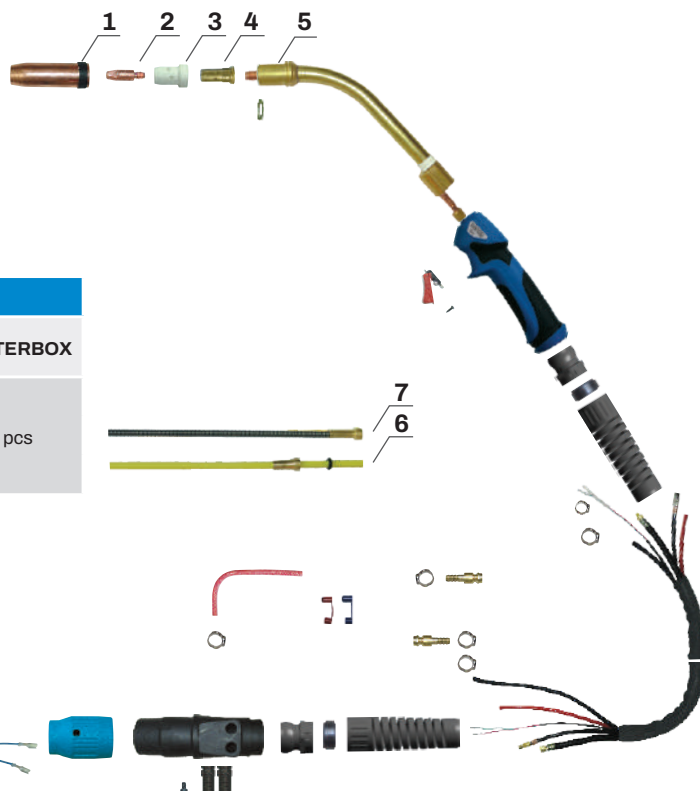
Blister x2

Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

TORCH AWW 501S WATER

CODE: 91081 - 91082 - 91083

EN60974-7



COMPLETE TORCH AWW 501S EURO ATTACK

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
91081	MIG TORCH AWW 501S WATER - 3mt	DUTY 35%: 500A - CO ₂ DUTY 35%: 450A - MIX WIRE/FILO: 1,0-1,6 mm	1 pcs
91082	MIG TORCH AWW 501S WATER - 4mt		
91083	MIG TORCH AWW 501S WATER - 5mt		

	1	A	B	B	C
	CONICAL LARGE	Ø 16mm	Ø 20mm	Ø 24mm	76 mm
	2	D	E	F	
	CONTACT TIP	M8	Ø 0,8-1,0-1,2-1,6mm	30mm	

POSITION	COD	DESCRIPTION	PCS
1	91117	Gas Nozzle/Ugello Gas AWW501S - Conical Large	x10
	91340/S	Contact Tip/Punta di contatto M8x30 - Ø0,8	Blister x5
	91350/S	Contact Tip /Punta di contatto M8x30 - Ø1,0	Blister x5
	91360/S	Contact Tip/Punta di contatto M8x30 - Ø1,2	Blister x5
	91365/S	Contact Tip/Punta di contatto M8x30 - Ø1,4	Blister x5
	91370/S	Contact Tip/Punta di contatto M8x30 - Ø1,6	Blister x5
	91340	Contact Tip/Punta di contatto M8x30 - Ø0,8	x50
	91350	Contact Tip /Punta di contatto M8x30 - Ø1,0	x50
	91360	Contact Tip/Punta di contatto M8x30 - Ø1,2	x50
	91365	Contact Tip/Punta di contatto M8x30 - Ø1,4	x50
	91370	Contact Tip/Punta di contatto M8x30 - Ø1,6	x50
	91400/S	Contact Tip Alu/Punta di contatto Alluminio M8x30 - Ø0,8	Blister x5
	91410/S	Contact Tip Alu/Punta di contatto Alluminio M8x30 - Ø1,0	Blister x5
	91415/S	Contact Tip Alu/Punta di contatto Alluminio M8x30 - Ø1,2	Blister x5
	91420/S	Contact Tip Alu/Punta di contatto Alluminio M8x30 - Ø1,6	Blister x5
	91400	Contact Tip Alu/Punta di contatto Alluminio M8x30 - Ø0,8	x50
	91410	Contact Tip Alu/Punta di contatto Alluminio M8x30 - Ø1,0	x50
	91415	Contact Tip Alu/Punta di contatto Alluminio M8x30 - Ø1,2	x50
	91420	Contact Tip Alu/Punta di contatto Alluminio M8x30 - Ø1,6	x50

POSITION	COD	DESCRIPTION	PCS
3	91830	White ceramic gas diffuser/ Diffusore gas ceramico bianco 501D	x1
4	91896	Contact tip holder/Porta punta di contatto M8x30	x1
5	91155	Torch head/Collo di cigno 501D	x1
7	92020	Teflon liner Yellow/Guaina in Teflon Giallo Ø3.0 x 4.5mm 3m	x1
	92021	Teflon liner Yellow/Guaina in Teflon Giallo Ø3.0 x 4.5mm 4m	x1
	92022	Teflon liner Yellow/Guaina in Teflon Giallo Ø3.0 x 4.5mm 5m	x1
8	92006	Yellow liner/Guaina gialla Ø1.2-1.6 x 3m	x1
	92007	Yellow liner/Guaina gialla Ø1.2-1.6 x 4m	x1
	92008	Yellow liner/Guaina gialla Ø1.2-1.6 x 5m	x1
	91121	Contact tip spanner/ Chiave per punta di contatto	x1



Blister
x5



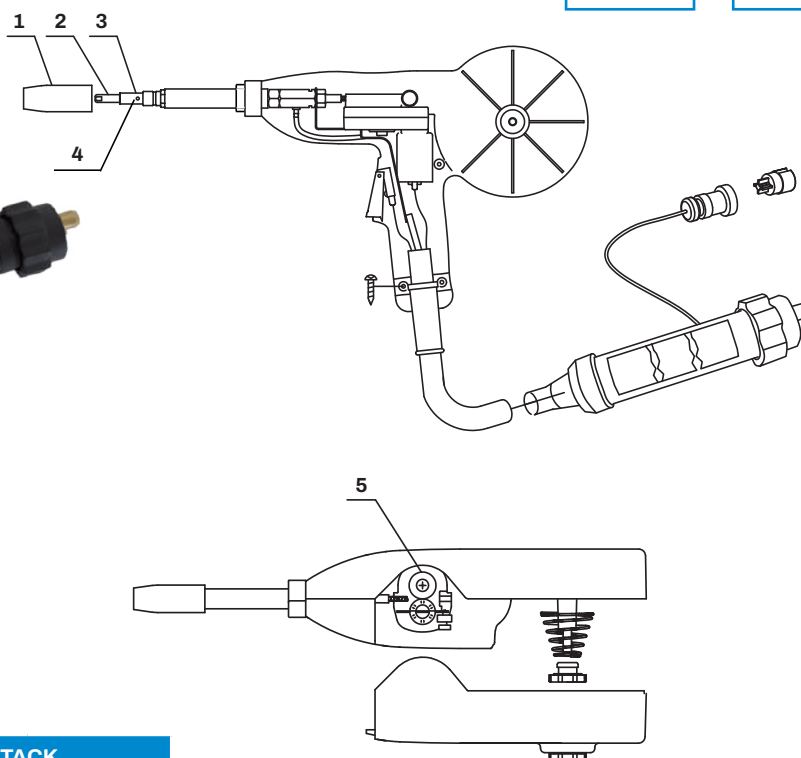
Blister
x2

Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

SPOOL GUN

CODE: 90101

EN60974-7



COMPLETE TORCH AWW 501S EURO ATTACK

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
90101	SPOOL GUN	DUTY 35% DC: 130A WIRE/FILO: 0,8 mm OR 0,9 mm	1 pcs

POSITION	COD	DESCRIPTION	PCS
1	91515	Gas Nozzle/Ugello Gas AWT 15 - Conical Small	x10
	91515/S	Gas Nozzle/Ugello Gas AWT 15 - Conical Small	Blister x2
2	91210	Contact Tip/Punta di contatto M6x25 - Ø0,8	Blister x5
	91220	Contact Tip/Punta di contatto M6x25 - Ø1,0	Blister x5
	91212	Contact Tip/Punta di contatto M6x25 - Ø0,8	x50
	91225	Contact Tip/Punta di contatto M6x25 - Ø1,0	x50
3	92320	Diffuser/Diffusore	x5
4	92300	Spring/Molla	x5
5	92336	Rollers/Rullini M00035 - RULLINO V 0,8mm Ø20mm M00036 - RULLINO V 1,0mm Ø20mm M00037 - RULLINO U 0,8mm Ø20mm M00038 - RULLINO U 1,0mm Ø20mm	x1


Blister
x5

Blister
x2

READY FOR

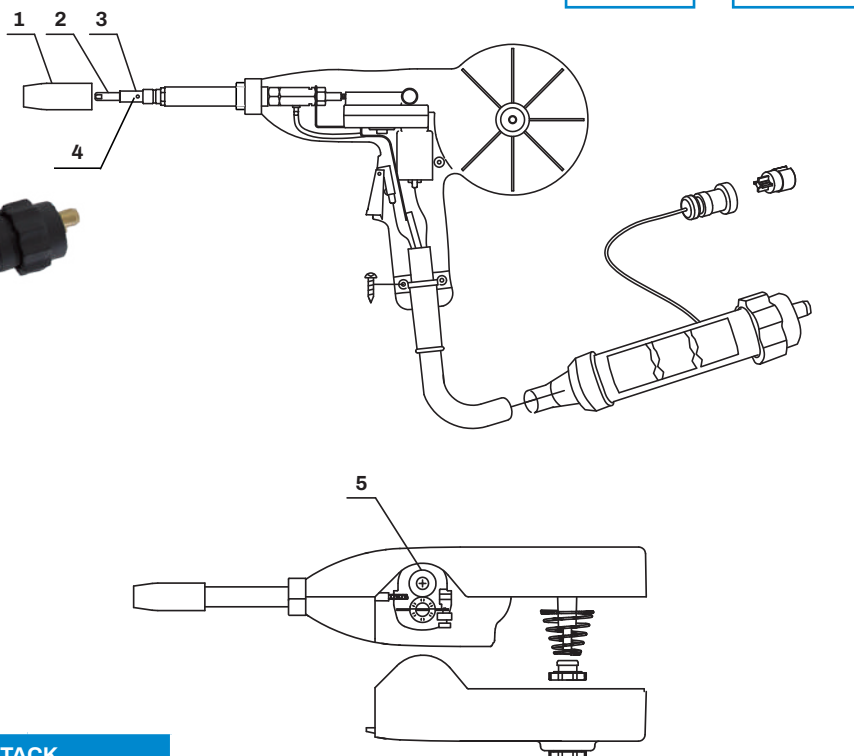
SMARTMIG 2200
SINERGY 250
MIG 350/352/500

Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

TORCIA SPOOL GUN CHD

CODE: 90103

EN60974-7



COMPLETE TORCH AWW 501S EURO ATTACK

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
90103	TORCIA SPOOL GUN CHD	DUTY 35% DC: 130A WIRE/FILO: 0,8 mm OR 0,9 mm	1 pcs

POSITION	COD	DESCRIPTION	PCS
1	91515	Gas Nozzle/Ugello Gas AWT 15 - Conical Small	x10
	91515/S	Gas Nozzle/Ugello Gas AWT 15 - Conical Small	Blister x2
2	91210	Contact Tip/Punta di contatto M6x25 - Ø0,8	Blister x5
	91220	Contact Tip/Punta di contatto M6x25 - Ø1,0	Blister x5
	91212	Contact Tip/Punta di contatto M6x25 - Ø0,8	x50
	91225	Contact Tip/Punta di contatto M6x25 - Ø1,0	x50
3	92320	Diffuser/Diffusore	x5
4	92300	Spring/Molla	x5
5	92336	Rollers/Rullini M00035 - RULLINO V 0,8mm Ø20mm M00036 - RULLINO V 1,0mm Ø20mm M00037 - RULLINO U 0,8mm Ø20mm M00038 - RULLINO U 1,0mm Ø20mm	x1



Blister
x5



Blister
x2

READY FOR

GLOBAL 300

ACCESSORIES KIT / KIT ACCESSORI

TRIS 250 MIG ACCESSORIES KIT



CODE: 90180		
WIRE FEED ROLLER V 0.6-0.8	2 pcs	
WIRE FEED ROLLER V 1-1.2	2 pcs	
GAS NOZZLE Conical Small	1 pcs	
CONTACT TIP M6x25 - Ø 0,6	3 pcs	
CONTACT TIP M6x25 - Ø 0,8	3 pcs	
CONTACT TIP M6x25 - Ø 1,0	3 pcs	
CONTACT TIP M6x25 - Ø 1,2	3 pcs	

EASYMIG SERIES ACCESSORIES KIT



CODE: 90189		
WIRE FEED ROLLER V 0.6-0.8	1 pcs	
WIRE FEED ROLLER V 1.0-1.2	1 pcs	
GAS NOZZLE Conical Small	1 pcs	
CONTACT TIP M6x25 - Ø 0,6	3 pcs	
CONTACT TIP M6x25 - Ø 0,8	3 pcs	
CONTACT TIP M6x25 - Ø 1,0	3 pcs	
CONTACT TIP M6x25 - Ø 1,2	3 pcs	

*Compatible with Kombi / Unimig series.

MULTI MIKRO 160 ACCESSORIES KIT



CODE: 90185		
WIRE FEED ROLLER V 0.6-0.8	1 pcs	
WIRE FEED ROLLER V 0.8-1.0	1 pcs	
GAS NOZZLE Conical Small	1 pcs	
CONTACT TIP M6x25 - Ø 0,6	3 pcs	
CONTACT TIP M6x25 - Ø 0,8	3 pcs	
CONTACT TIP M6x25 - Ø 1,0	3 pcs	

MULTI MIKRO 200 ACCESSORIES KIT



CODE: 90186		
WIRE FEED ROLLER V 0.6-0.8	1 pcs	
WIRE FEED ROLLER V 1.0-1.2	1 pcs	
GAS NOZZLE Conical Small	1 pcs	
CONTACT TIP M6x25 - Ø 0,6	3 pcs	
CONTACT TIP M6x25 - Ø 0,8	3 pcs	
CONTACT TIP M6x25 - Ø 1,0	3 pcs	

*Compatible with Mastercraft N12090 / N12150

FLUX ACCESSORIES KIT



CODE: 90181		
TRIS 250		
WIRE FEED ROLLER K 0.8-0.9	2 pcs	
GAS NOZZLE Conical Small	1 pcs	
CONTACT TIP M6x25 - Ø 0,8	3 pcs	
CONTACT TIP M6x25 - Ø 0,9	3 pcs	

*Compatible with Kombi / Unimig series.

CODE: 90187		
MULTI MIKRO SERIES		
WIRE FEED ROLLER K 0.8-0.9	1 pcs	
GAS NOZZLE Conical Small	1 pcs	
CONTACT TIP M6x25 - Ø 0,8	3 pcs	
CONTACT TIP M6x25 - Ø 0,9	3 pcs	

*Compatible with Mastercraft N12090 / N12150

CODE: 90188		
EASYMIG SERIES		
WIRE FEED ROLLER K 0.8-0.9	1 pcs	
GAS NOZZLE Conical Small	1 pcs	
CONTACT TIP M6x25 - Ø 0,8	3 pcs	
CONTACT TIP M6x25 - Ø 0,9	3 pcs	

*Compatible with Automig 130 / Mig One

WELDING WIRE / FILO PER SALDATURA

STEEL ϕ 100mm

BLISTER						
CODE	92900	92903	92915	92916	92931	92933
PCS	1	1	1	1	1	1
ϕ	0,6	0,6	0,8	0,8	0,8	1,0
KG	0,2	0,5	0,2	0,5	1,0	1,0
MASTERBOX	18 pcs	18 pcs	18 pcs	18 pcs	10 pcs	10 pcs



STAINLESS STEEL INOX ϕ 100 mm

BLISTER			
CODE	92940	92943	92959
PCS	1	1	1
ϕ	0,8	0,8	0,8
KG	0,2	0,5	1,0
MASTERBOX	6 pcs	6 pcs	3 pcs



FLUX / FILO NO GAS ϕ 100 mm

BLISTER						
CODE	92950	92952	92953	92954	92960	92967
PCS	1	1	1	1	1	1
ϕ	0,9	0,8	0,8	0,8	0,9	0,9
KG	0,2	0,2	0,5	1,0	0,5	1,0
MASTERBOX	18 pcs	18 pcs	18 pcs	10 pcs	18 pcs	10 pcs



ALU ϕ 100 mm

BLISTER		
CODE	92945	92948
PCS	1	1
ϕ	0,8	0,8
KG	0,2	0,45
MASTERBOX	6 pcs	6 pcs



STEEL ϕ 200 mm



BOX			
CODE	92905	92920	92932
PCS	1	1	1
ϕ	0,6	0,8	1,0
KG	5	5	5
MASTERBOX	4 pcs	4 pcs	4 pcs

STAINLESS STEEL / INOX ϕ 200 mm



BOX		
CODE	92941	92944
PCS	1	1
ϕ	0,8	1,0
KG	5	5
MASTERBOX	4 pcs	4 pcs

STEEL ϕ 200 mm



BOX		
CODE	92946	92949
PCS	1	1
ϕ	0,8	1,0
KG	2	2
MASTERBOX	5 pcs	5 pcs

FLUX / FILO NO GAS ϕ 200 mm



BOX			
CODE	92969	92970	92980
PCS	1	1	1
ϕ	0,8	0,9	1,0
KG	4,5	4,5	4,5
MASTERBOX	4 pcs	4 pcs	4 pcs

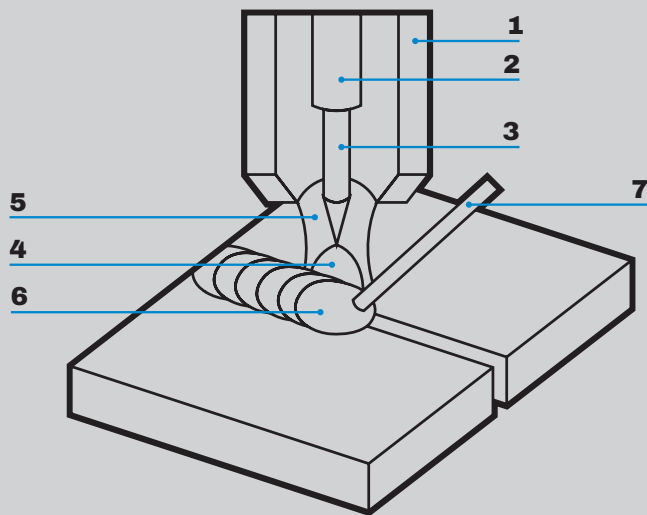
STEEL ϕ 300 mm



BOX				
CODE	92991	92992	92993	92994
PCS	1	1	1	1
ϕ	0,6	0,8	1,0	1,2
KG	15	15	15	15
MASTERBOX	1 pcs	1 pcs	1 pcs	1 pcs

Other sizes can be supplied on demand. / Altre misure possono essere fornite su richiesta.

TIG PROCESS



IT/ 1. Ugello 2. Pinza portaelettrodo 3. Elettrodo infusibile 4. Arco di saldatura 5. Protezione gassosa 6. Bagno di fusione 7. Bacchetta di apporto

FR/ 1. Bec 2. Pince porte-électrode 3. Électrode infusible 4. Arc de soudage 5. Protection gazeuse 6. Bain de fusion 7. Tige de remplissage

EN/ 1. Nozzle 2. Electrode holder clamp 3. Infusible-electrode 4. Welding arc 5. Gaseous protection 6. Melting pool 7. Filler rod

ES/ 1. Inyector 2. Soplete porta electrodo 3. Electrodo infusible 4. Arco de soldadura 5. Protección gassosa 6. Baño de fusión 7. Barra rellenable

DE/ 1. Düse 2. Elektrodenhalter 3. Abschmelzende Elektrode 4. Schweissbogen 5. Gasschutz 6. Schmelzbad 7. Füllstab

PT/ 1. Bico 2. Pinça porta-eléetrodo 3. Eléetrodo infusível 4. Arco de soldadura 5. Proteção gasosa 6. Banho de fusão 7. Vareta de enchimento

TIG START

SCRATCH START

IT/ L'innesco avviene con lo sfregamento dell'elettrodo di tungsteno sul pezzo da saldare. Sono presenti ad inizio cordone delle inclusioni di tungsteno.

FR/ L'amorçage s'effectue par frottement de l'électrode de tungstène sur la pièce à souder. Ils sont présent au début cordon des inclusions de tungstène.

EN/ The arc striking is reached thanks to the rubbing of the tungsten electrode to the piece to be welded. Some tungsten inclusions are present at the beginning of the seam.

ES/ El cebado ocurre con el refregamiento del electrodo de tungsteno sobre el material da soldar. Están presentes a principio cordón de las inclusiones de tungsteno.

DE/ Die Zündvorrichtung geschieht mit der Reibung von der Wolframelektrode auf das Werkstück. Am Anfang der Naht sind Wolframeinschlüsse anwesend.

PT/ O início do arco ocorre com a raspagem do eléetrodo tungsténio no material a soldar. Algumas inclusões de tungsténio estão presentes no início do cordão.

LIFT START

IT/ Innesco dell'arco a contatto. Non inquina il bagno di saldatura e causa meno disturbi elettro-irradiati.

FR/ Amorçage de l'arc avec contact. Ne pollue pas le bain de soudage et cause moins de perturbations électroirradiées.

EN/ Arc striking by contact. It does not pollute the welding pool and causes less electro-irradiated disturbances.

ES/ Cebado del arco con contacto. No contamina el baño de soldadura y causa muchas menos molestias de irradiación eléctrica.

DE/ Kontaktzündung des Bogens. Es verunreinigt das Schmelzbad nicht und verursacht weniger Störungen durch elektrische Strahlungen.

PT/ Início do arco por contacto. Não polui o banho de soldadura e provoca menos transtornos de irradiação elétrica.

HF START

IT/ Innesco dell'arco senza contatto. Non si ha l'usura della punta dell'elettrodo. Offre una partenza facile in tutte le posizioni di saldatura.

FR/ Amorçage de l'arc sans contact. Il n'y pas d'usure de la pointe de l'électrode. Il offre un départ facile dans toutes les positions de soudage.

EN/ Arc striking without contact. The electrode tip does not wear out. It offers an easy start in all welding positions.

ES/ Cebado del arco sin contacto. No se produce el desgaste de la punta del electrodo. Ofrece una partida fácil en todas la posiciones de soldadura.

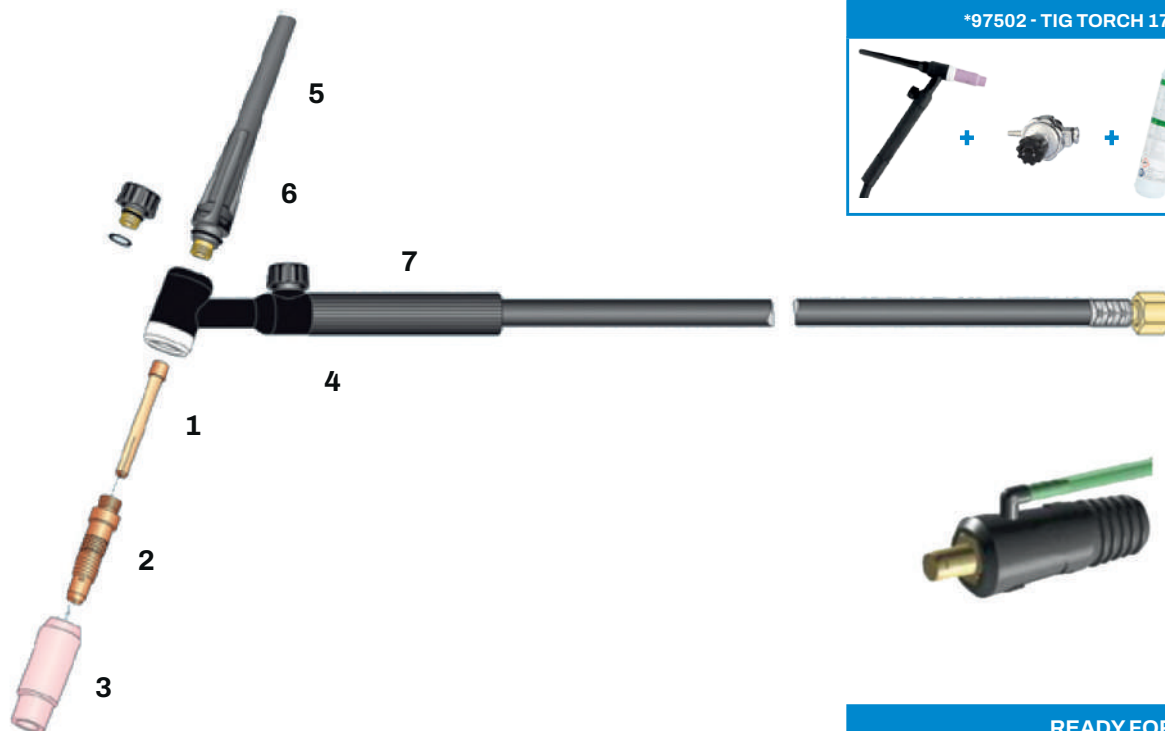
DE/ Zündung des Bogens ohne Kontakt. Die Elektrodenspitze wird nicht abgenutzt. Erleichtert das Zünden in sämtlichen Schweisslagen.

PT/ Início do arco sem contacto. Não existe desgaste da ponta do eléetrodo. Proporciona um início fácil em todas as posições de soldadura.

TIG TORCH 17 V

CODE: 96000 - 96009 - *97502

EN60974-7



*97502 - TIG TORCH 17V MT4 KIT



READY FOR

MIKROTIG 150 - 170 - 200
EASYMIG 130 - 160 - 180
MIKROMIG 1800 - 2000

POSITION	COD	DESCRIPTION	PCS
1	92352	Collet/Pinza serraelettrodo Ø0.5mm - 10N21	x3
	92353	Collet/Pinza serraelettrodo Ø1.0mm - 10N22	x3
	92354	Collet/Pinza serraelettrodo Ø1.6mm - 10N23	x3
2	92355	Collet body/Portapinza Ø0.5mm - 10N29	x3
	92356	Collet body/Portapinza Ø1.0mm - 10N30	x3
	92357	Collet body/Portapinza Ø1.6mm - 10N31	x3
3	92358	Allumina cup/Ugello ceramica Ø6mm - 10N50	x10
	92359	Allumina cup/Ugello ceramica Ø8mm - 10N49	x10
	92360	Allumina cup/Ugello ceramica Ø9,5mm - 10N48	x10
	92361	Allumina cup/Ugello ceramica Ø11mm - 10N47	x10
	92362	Allumina cup/Ugello ceramica Ø12,5mm - 10N46	x10
	92363	Allumina cup/Ugello ceramica Ø16mm - 10N45	x10
4	92364	Front insulator/Isolante frontale	x1
5	92365	Long back cap/Cappellotto lungo	x1
6	92366	Short back cap/Cappellotto corto	x1
7	92351	Valve/Rubinetto	x1

COMPLETE TIG TORCH 17 V			
COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
96000	TIG TORCH 17V 4mt	Duty 35% DC: 140A Duty 35% AC: 125A Electrodes size: 0.5-2.4mm	1 pcs
96009	TIG TORCH 17V 4mt - D25 TO D35	Duty 35% DC: 140A Duty 35% AC: 125A Electrodes size: 0.5-2.4mm	1 pcs
*97502	TIG TORCH 17V 4mt KIT	Duty 35% DC: 140A Duty 35% AC: 125A Electrodes size: 0.5-2.4mm	1 pcs

CONNECTOR	
Connector adapter 25 to 35	Blister x1 cod. 90634
KIT	
Collet/Pinza serraelettrodo Ø0.5mm - 10N21 - 2 pcs Ø1.0mm - 10N22 - 2pcs Ø1.6mm - 10N23 - 1 pcs	Blister x5 cod. 91720
Collet body/Portapinza Ø0.5mm - 10N29 - 2 pcs Ø1.0mm - 10N30 - 2 pcs Ø1.6mm - 10N31 - 1 pcs	Blister x5 cod. 91721
Allumina cup/Ugello ceramica Ø6mm - 10N50 - 1 pcs Ø8mm - 10N49 - 1 pcs Ø9,5mm - 10N48 - 1 pcs	Blister x3 cod. 91722
Allumina cup/Ugello ceramica Ø11mm - 10N47 - 1 pcs Ø12,5mm - 10N46 - 1 pcs Ø16mm - 10N45 - 1 pcs	Blister x3 cod. 91723

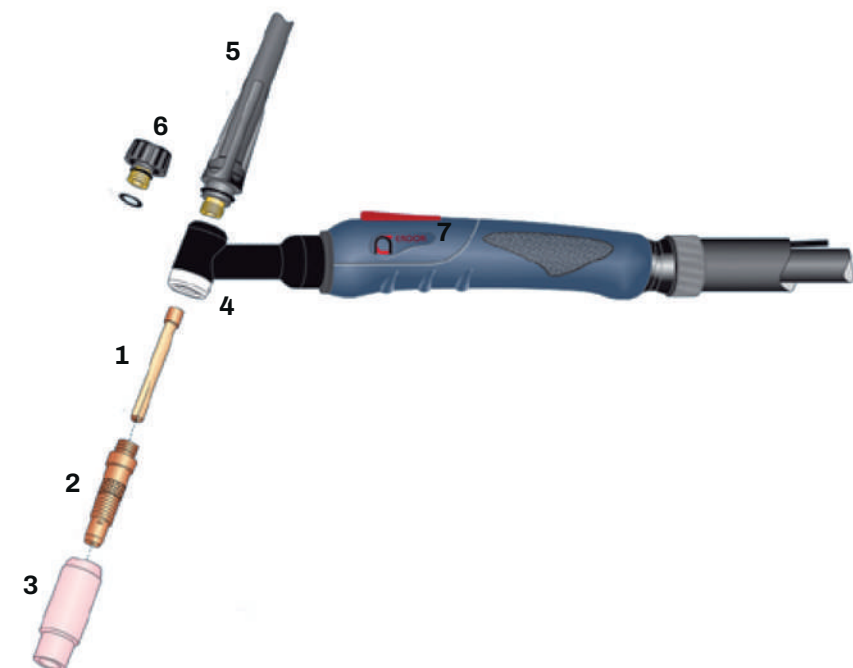
Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

TIG TORCH HF 26

CODE: 96020 - *97522

EN60974-7

*97522 - TIG TORCH 26 MT4 KIT



COMPLETE TIG TORCH HF 26

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
96020	TIG TORCH 26 4mt	Duty 35% DC: 180A Duty 35% AC: 150A Electrodes size: 0.5-3.2mm	1 pcs
*97522	TIG TORCH 26 mt 4 KIT		1 pcs

READY FOR

TIG 200 I HF-DC PULSE

POSITION	COD	DESCRIPTION	PCS
1	92352	Collet/Pinza serralettrodo Ø0.5mm - 10N21	x3
	92353	Collet/Pinza serralettrodo Ø1.0mm - 10N22	x3
	92354	Collet/Pinza serralettrodo Ø1.6mm - 10N23	x3
	92372	Collet/Pinza serralettrodo Ø2.4mm - 10N24	x3
	92373	Collet/Pinza serralettrodo Ø3.2mm - 10N25	x3
2	92355	Collet body/Portapinza Ø0.5mm - 10N29	x3
	92356	Collet body/Portapinza Ø1.0mm - 10N30	x3
	92357	Collet body/Portapinza Ø1.6mm - 10N31	x3
	92374	Collet body/Portapinza Ø2.0mm - 10N31N	x3
	92375	Collet body/Portapinza Ø2.4mm - 10N32	x3
3	92376	Collet body/Portapinza Ø3.2mm - 10N28	x3
	92358	Allumina cup/Ugello ceramica Ø6mm - 10N50	x10
	92359	Allumina cup/Ugello ceramica Ø8mm - 10N49	x10
	92360	Allumina cup/Ugello ceramica Ø9,5mm - 10N48	x10
	92361	Allumina cop/Ugello ceramica Ø11mm - 10N47	x10
	92362	Allumina cup/Ugello ceramica Ø12,5mm - 10N46	x10
4	92363	Allumina cup/Ugello ceramica Ø16mm - 10N45	x10
	92364	Front insulator/Isolante frontale	x1
5	92365	Long back cap/Cappellotto lungo	x1
6	92366	Short back cap/Cappellotto corto	x1
7	92351	Valve/Rubinetto	x1



KIT

Collet/Pinza serralettrodo Ø0.5mm - 10N21 - 2 pcs Ø1.0mm - 10N22 - 2 pcs Ø1.6mm - 10N23 - 1 pcs	Blister x5 cod. 91720
Collet body/Portapinza Ø0.5mm - 10N29 - 2 pcs Ø1.0mm - 10N30 - 2 pcs Ø1.6mm - 10N31 - 1 pcs	Blister x5 cod. 91721
Allumina cup/Ugello ceramica Ø6mm - 10N50 - 1 pcs Ø8mm - 10N49 - 1 pcs Ø9,5mm - 10N48 - 1 pcs	Blister x3 cod. 91722
Allumina cup/Ugello ceramica Ø11mm - 10N47 - 1 pcs Ø12,5mm - 10N46 - 1 pcs Ø16mm - 10N45 - 1 pcs	Blister x3 cod. 91723
Collet/Pinza serralettrodo Ø2.0mm - 10N23M - 2 pcs Ø2.4mm - 10N24 - 2 pcs Ø3.2mm - 10N25 - 1 pcs	Blister x5 cod. 91724
Collet body/Portapinza Ø2.0mm - 10N31N - 2 pcs Ø2.4mm - 10N32 - 2 pcs Ø3.2mm - 10N28 - 1 pcs	Blister x5 cod. 91725

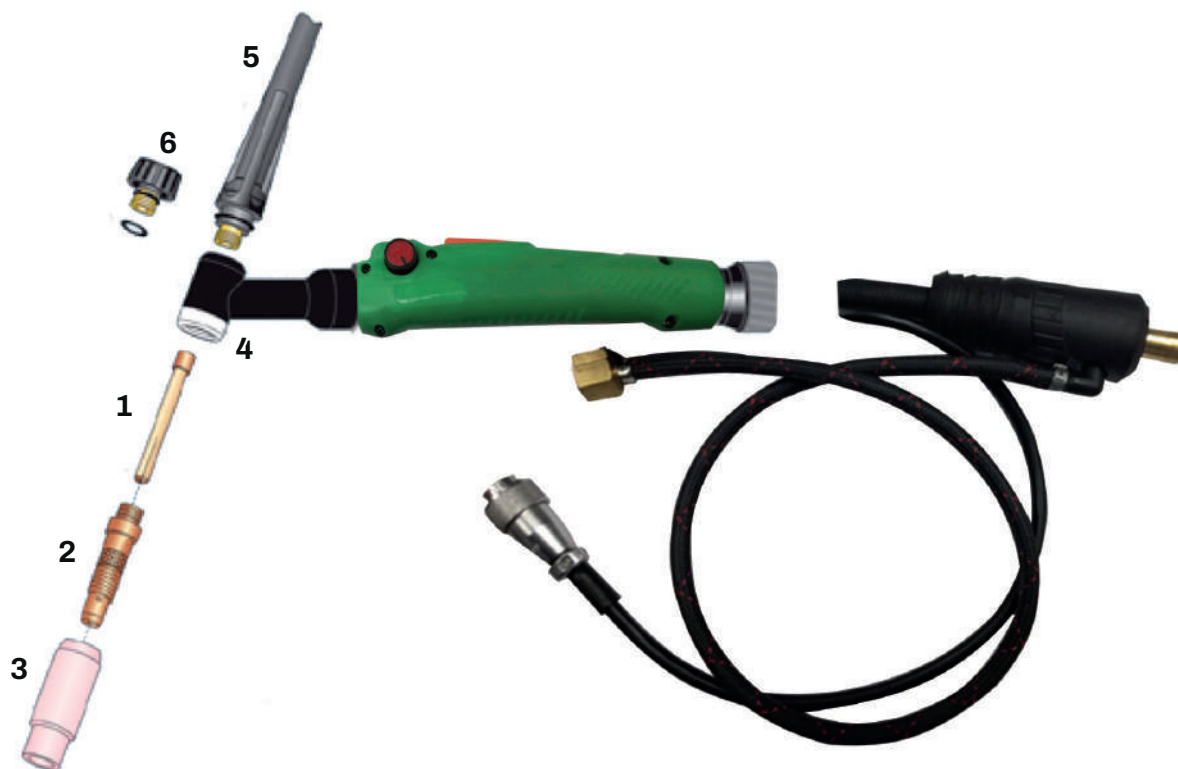
Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

TIG TORCH HF 26 AC/DC

CODE: 96025

EN60974-7

CURRENT REGULATION ON HANDLE



COMPLETE TIG TORCH HF 26 AC/DC

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
96025	TIG TORCH HF 26 AC/DC - 4mt	Duty 35% DC: 180A Duty 35% AC: 150A Electrodes size: 0.5-3.2mm	1 pcs

READY FOR

TIG 210 AC/DC PFC
TIG 200 AC/DC PULSE

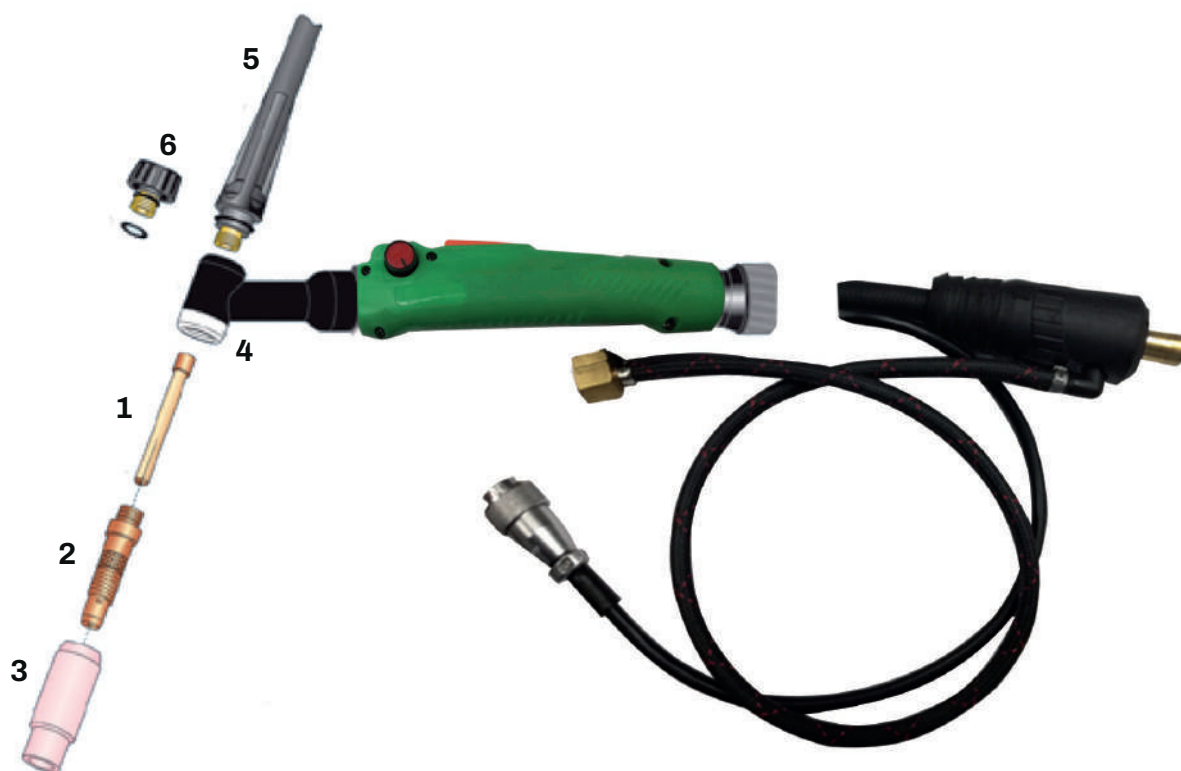
POSITION	COD	DESCRIPTION	PCS
1	92352	Collet/Pinza serralettrodo Ø0.5mm - 10N21	x3
	92353	Collet/Pinza serralettrodo Ø1.0mm - 10N22	x3
	92354	Collet/Pinza serralettrodo Ø1.6mm - 10N23	x3
	92372	Collet/Pinza serralettrodo Ø2.4mm - 10N24	x3
	92373	Collet/Pinza serralettrodo Ø3.2mm - 10N25	x3
2	92355	Collet body/Portapinza Ø0.5mm - 10N29	x3
	92356	Collet body/Portapinza Ø1.0mm - 10N30	x3
	92357	Collet body/Portapinza Ø1.6mm - 10N31	x3
	92374	Collet body/Portapinza Ø2.0mm - 10N31N	x3
	92375	Collet body/Portapinza Ø2.4mm - 10N32	x3
	92376	Collet body/Portapinza Ø3.2mm - 10N28	x3
3	92358	Allumina cup/Ugello ceramica Ø6mm - 10N50	x10
	92359	Allumina cup/Ugello ceramica Ø8mm - 10N49	x10
	92360	Allumina cup/Ugello ceramica Ø9,5mm - 10N48	x10
	92361	Allumina cop/Ugello ceramica Ø11mm - 10N47	x10
	92362	Allumina cup/Ugello ceramica Ø12,5mm - 10N46	x10
	92363	Allumina cup/Ugello ceramica Ø16mm - 10N45	x10
4	92364	Front insulator/Isolante frontale	x1
5	92365	Long back cap/Cappellotto lungo	x1
6	92366	Short back cap/Cappellotto corto	x1

Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

TIG TORCH HF 26 AC/DC MT4 D35 CHD

CODE: 96027

EN60974-7

**COMPLETE TIG TORCH HF 26 AC/DC**

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
96027	TIG TORCH HF 26 AC/DC MT4 D35 CHD	Duty 35% DC: 180A Duty 35% AC: 150A Electrodes size: 0.5-3.2mm	1 pcs

READY FORTIG 200 AC/DC PULSE
GLOBAL 300

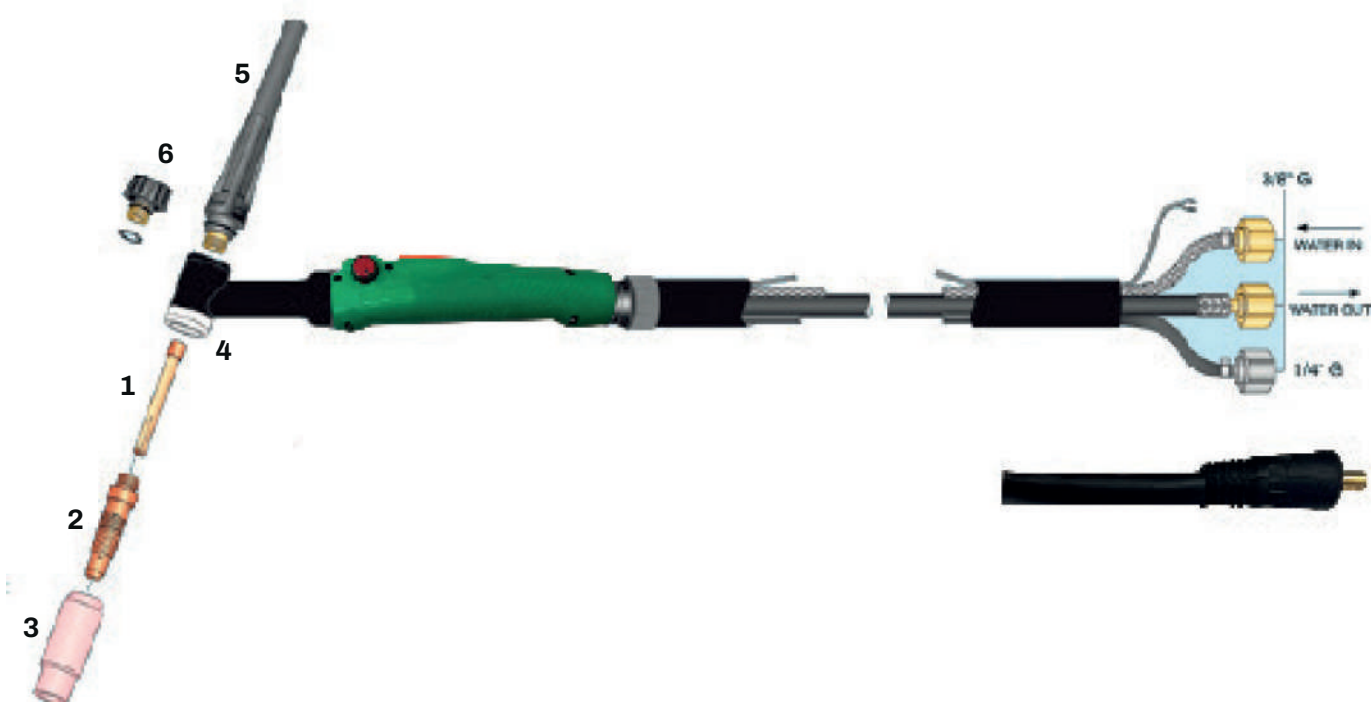
POSITION	COD	DESCRIPTION	PCS
1	92352	Collet/Pinza serralettrodo Ø0.5mm - 10N21	x3
	92353	Collet/Pinza serralettrodo Ø1.0mm - 10N22	x3
	92354	Collet/Pinza serralettrodo Ø1.6mm - 10N23	x3
	92372	Collet/Pinza serralettrodo Ø2.4mm - 10N24	x3
	92373	Collet/Pinza serralettrodo Ø3.2mm - 10N25	x3
2	92355	Collet body/Portapinza Ø0.5mm - 10N29	x3
	92356	Collet body/Portapinza Ø1.0mm - 10N30	x3
	92357	Collet body/Portapinza Ø1.6mm - 10N31	x3
	92374	Collet body/Portapinza Ø2.0mm - 10N31N	x3
	92375	Collet body/Portapinza Ø2.4mm - 10N32	x3
	92376	Collet body/Portapinza Ø3.2mm - 10N28	x3
3	92358	Allumina cup/Ugello ceramica Ø6mm - 10N50	x10
	92359	Allumina cup/Ugello ceramica Ø8mm - 10N49	x10
	92360	Allumina cup/Ugello ceramica Ø9,5mm - 10N48	x10
	92361	Allumina cop/Ugello ceramica Ø11mm - 10N47	x10
	92362	Allumina cup/Ugello ceramica Ø12,5mm - 10N46	x10
	92363	Allumina cup/Ugello ceramica Ø16mm - 10N45	x10
4	92364	Front insulator/Isolante frontale	x1
5	92365	Long back cap/Cappellotto lungo	x1
6	92366	Short back cap/Cappellotto corto	x1

Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

TIG TORCH HF 18 W

CODE: 96030

EN60974-7



COMPLETE TIG TORCH HF 18 W

COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
96030	TIG TORCH HF 18W - 4mt	Duty 100% DC: 320A Duty 100% AC: 240A Electrodes size: 0.5-4mm	1 pcs

READY FOR

TIG 320 AC/DC
TIG 210 AC/DC PFC

POSITION	COD	DESCRIPTION	PCS
1	92352	Collet/Pinza serralettrodo Ø0.5mm - 10N21	x3
	92353	Collet/Pinza serralettrodo Ø1.0mm - 10N22	x3
	92354	Collet/Pinza serralettrodo Ø1.6mm - 10N23	x3
	92372	Collet/Pinza serralettrodo Ø2.4mm - 10N24	x3
	92373	Collet/Pinza serralettrodo Ø3.2mm - 10N25	x3
2	92355	Collet body/Portapinza Ø0.5mm - 10N29	x3
	92356	Collet body/Portapinza Ø1.0mm - 10N30	x3
	92357	Collet body/Portapinza Ø1.6mm - 10N31	x3
	92374	Collet body/Portapinza Ø2.0mm - 10N31N	x3
	92375	Collet body/Portapinza Ø2.4mm - 10N32	x3
	92376	Collet body/Portapinza Ø3.2mm - 10N28	x3
3	92358	Allumina cup/Ugello ceramica Ø6mm - 10N50	x10
	92359	Allumina cup/Ugello ceramica Ø8mm - 10N49	x10
	92360	Allumina cup/Ugello ceramica Ø9,5mm - 10N48	x10
	92361	Allumina cop/Ugello ceramica Ø11mm - 10N47	x10
	92362	Allumina cup/Ugello ceramica Ø12,5mm - 10N46	x10
	92363	Allumina cup/Ugello ceramica Ø16mm - 10N45	x10
4	92364	Front insulator/Isolante frontale	x1
5	92365	Long back cap/Cappello lungo	x1
6	92366	Short back cap/Cappello corto	x1

Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

ELECTRODES / Elettrodi

FILLER RODS TIG

	INOX ER308L		SG2 ER70S-6		INOX ER316L		ALU ER1100	
CODE	90070	90071	90072	90073	90074	90075	90076	90077
PCS	60	40	60	40	60	40	60	40
Ø	1,6 mm	2,0 mm	1,6 mm	2,0 mm	1,6 mm	2,0 mm	1,6 mm	2,0 mm
LENGTH	330 mm	330 mm	330 mm	330 mm	330 mm	330 mm	330 mm	330 mm
MASTERBOX	6 pcs	6 pcs	6 pcs	6 pcs	6 pcs	6 pcs	6 pcs	6 pcs



TUNGSTEN ELECTRODE

	WP GREEN			WC20 GREY		WL20 BLUE	
CODE	92890	92892	92893	97291	92884	92895	92897
PCS	10	10	10	10	10	10	10
Ø	1,6 mm	2,4 mm	3,2 mm	1,6 mm	2,4 mm	1,6 mm	2,4 mm
LENGTH	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm
MASTERBOX	20 pcs	20 pcs	20 pcs	20 pcs	20 pcs	20 pcs	20 pcs



TIG TORCH KIT



CODE: 96060	
SHORT BACK CAP	1 pcs
LONG BACK CAP	1 pcs
COLLET BODY Ø1,6 - 2,4 - 3,2mm	3 pcs
COLLET BODY Ø1,6 - 2,4 - 3,2 mm	3 pcs
ALLUMINA CUP GR5	1 pcs
ALLUMINA CUP GR8	1 pcs
TUNGSTEN ELECTRODE Ø1,6 - 2,4 - 3,2mm	3 pcs

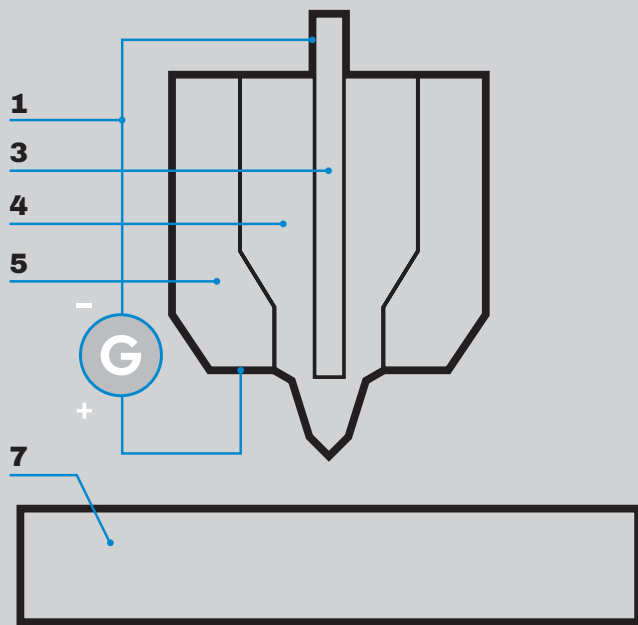
*READY FOR ALL TIG TORCHES



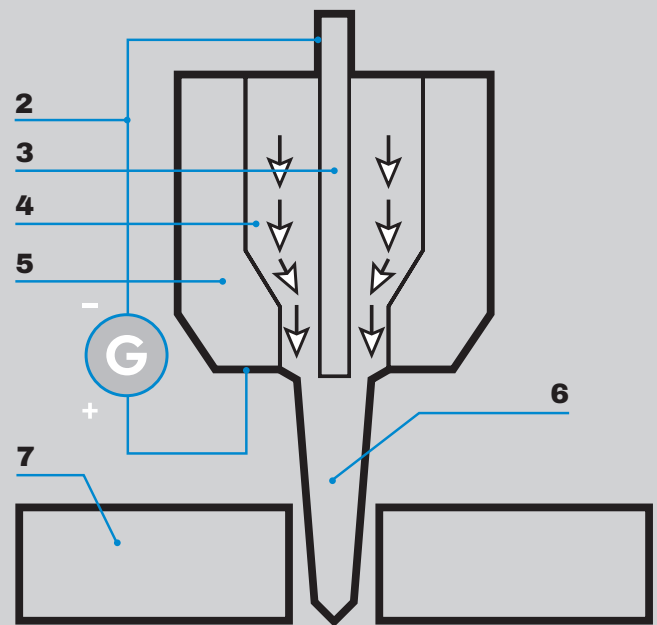
PLASMA PROCESS

Plasma is a strongly ionized gas, that is composed of charged particles, and therefore a conductor of electric current. It can be obtained by passing the gas to be ionized, usually compressed air or inert gas, through an electric arc generated within a mechanical bottleneck. In this way, the concentration of the charged particles formed increases greatly, consequently increasing the thermal effect and raising the temperature. The high-temperature gas tends to expand and, as it passes through the bottleneck, it acquires a very high velocity: a concentrated-energy dart of charges is obtained, which can be used to cut metals. A plasma cutting plant can be made by using a current generator with appropriate characteristics, a gas source and a flashlight that channels the gas into a nozzle inside which the electric arc is generated.

It is preferable to start cutting the metal object from the free edge of the material. If it is necessary to start “from the solid,” it is advisable to first make a hole using an alternative technique to plasma cutting. The execution speed of cutting depends on the thickness and type of metal. If the speed is very low, it is difficult to obtain a quality cut. The cutting speed depends on many variables and can only be roughly estimated in the case of manual applications. As an indication, two tables of correspondences between cutting speed expressed in centimeters per minute, metal and thickness to be cut, current and nozzle diameter are given.



PILOT ARC



CUTTING ARC

IT/ 1. Circuito di taglio 2. Circuito d'innesco 3. Elettrodo 4. Gas 5. Ugello 6. Arco di taglio 7. Metallo

FR/ 1. Circuit de découpage 2. Circuit d'amorçage 3. électrode 4. Gaz 5. Bec 6. Arc de découpage 7. Metal

EN/ 1. Cutting circuit 2. Striking circuit 3. Electrode 4. Gas 5. Nozzle 6. Cutting arc 7. Metal

ES/ 1. Circuito de corte 2. Circuito de cebado 3. Electrodo 4. Gas 5. Inyector 6. Arco de corte 7. Metal

DE/ 1. Schneidkreis 2. Zündungskreis 3. Elektrode 4. Gaz 5. Düse 6. Schneidbogen 7. Metall

PT/ 1. Circuito de corte 2. Circuito de início 3. Cátodo 4. Gás 5. Bico 6. Arco de corte 7. Metal

CUT QUALITY

A clean cut depends on several factors.

- **AMPERAGE**

Standard rule of thumb is the thicker the material the more amperage required. On thick material, set the machine to full output and vary your travel speed. On thinner material, you need to turn down the amperage and change to a lower-amperage tip to maintain a narrow kerf. The kerf is the width of the cut material that is removed during cutting.

- **SPEED**

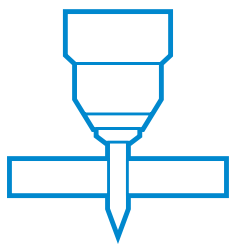
Amperage and speed are critical to producing a good quality cut. The faster you move (especially on aluminium), the cleaner your cut will be. To determine if you're going too fast or too slow, visually follow the arc that is coming from the bottom of the cut. The arc should exit the material at a slight angle away from the direction of travel. If it's going straight down, that means you're going too slow, and you'll have an unnecessary buildup of dross or slag. If you go too fast, it will start spraying back onto the surface of the material without cutting all the way through. Because the arc trails at an angle, at the end of a cut, slow your cutting speed and angle the torch in to cut through the last bit of metal.

- **DIRECTION**

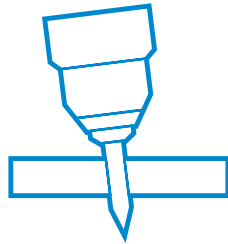
It is easier to pull the torch towards you than push it. The plasma stream swirls as it exits the tip, biting one side and finishing off on the other leaving a bevelled edge and a straight edge. The bevel cut effect is more noticeable on thicker material and needs to be taken into consideration before starting your cut as you want the straight side of the cut to be on the finished piece you keep.

- **TORCH TIP HEIGHT & POSITION**

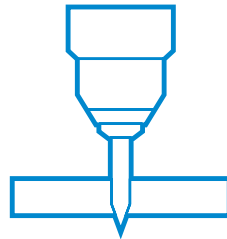
The distance and position of the plasma torch cutting tip has an effect on the quality of the cut and the extent of the bevel of the cut. The easiest way to reduce bevel is by cutting at the proper speed and height for the material and amperage that is being cut.



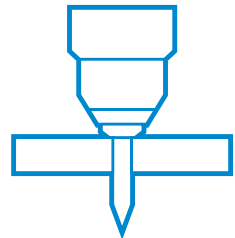
Correct torch height and square to the material.
Minimum bevel & equal bevel.
Longest consumable life.



Torch angled to the material.
Unequal bevel, one side may be excessively beveled.



Torch height too high.
Excessive bevel, plasma stream may not cut all the way through the material.



Torch height too low.
Reverse bevel. Tip may contact the work and short out or damage the tip.

- **TIP SIZE AND CONDITION**

The tip orifices focus the plasma stream to the work piece. It is important to use the correct size tip for the amperage being used, for example a tip with a 1,2mm orifice is good for 0-40 amps whereas a 1,6mm orifice is better for 40-80 amps. The low-amp tip has a smaller orifice which maintains a narrow plasma stream at lower settings for use on thin-gauge material. Using a 25 amp tip at an 60 amp setting will blow out and distort the tip orifice and require replacement. Conversely, using an 80-amp tip on the lower settings will not allow you to focus the plasma stream as well and creates a wide kerf. The condition of the tip orifice is critical to the quality of the cut result, a worn or damaged tip orifice will produce a distorted plasma stream resulting in a poor cut quality.

- **ELECTRODE CONDITION**

A fixed gap is established between the electrode and the inside of the cutting tip. Electrons arc across the gap, ionizing and super heating the air creating the plasma stream. The electrode contains an insert in the end made of a highly conductive material called hafnium. This insert erodes with use and develops a pit in the end of the electrode, when the pit becomes too much poor quality cuts will result and necessitate replacement of the electrode.

- **TECHNIQUE TIPS**

- It is easier to pull the torch through the cut than to push it.
- To cut thin material reduce the amperage until you get the best quality cut.
- Use the correct size tip orifice for the amperage being used.
- For Straight cuts use a straight edge or cutting buggy as a guide. For circles, use a template or circle cutting attachment.
- Check that the front end consumable parts of the plasma cutting torch are in good condition.

PLASMA TORCH 40 CHD 4M

CODE: 95422

EN60974-7



40 PLASMA TORCH			
COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
95422	PLASMA TORCH 40 CHD 4mt	Duty 60%: 40A Pressure/Pressione: 5 bar Air/Aria 115 L/min Thickness cut/Spessore taglio: 8-12mm	1 pcs

POSITION	COD	DESCRIPTION	PCS
1	95422.1	Stand off guide	x1
2	95422.2	Retaining cap/Ugello esterno	x1
3	95422.3	Tip/Ugello 40A	x10
4	95422.4	Air diffuser/Diffusore aria	x2
5	95422.5	Plasma electrodes/Elettrodo plasma 21,8mm	x10

READY FOR
GLOBAL 300

Particular spare parts can be supplied on demand. / Ricambi speciali possono essere forniti su richiesta.

40 PLASMA TORCH

CODE: 95110

EN60974-7

READY FOR

PLASMA 40 / PLASMA 40K



PLASMA TORCH 40 3M			
COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
95110	PLASMA TORCH 40 3MT	Duty 60%: 40A Pressure/Pressione: 5 bar Air/Aria 115 L/min Thickness cut/Spessore taglio: 8-12mm	1 pcs

POSITION	COD	DESCRIPTION	PCS
1	95111	Plasma electrodes/Elettrodo plasma 21,8mm	x10
2	95112	Air diffuser/Diffusore aria	x10
3	95113	Tip/Ugello 30A - Ø 0,8mm - 17,3mm	x10
4	95114	Retaining cap/Ugello esterno	x2

PT 80 PLASMA TORCH

CODE: 95115

EN60974-7

READY FOR

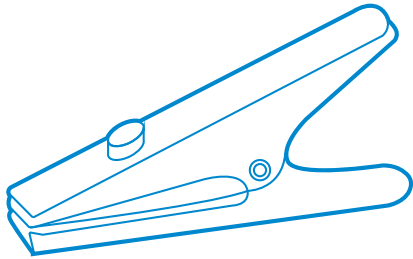
PLASMA 80 / 120



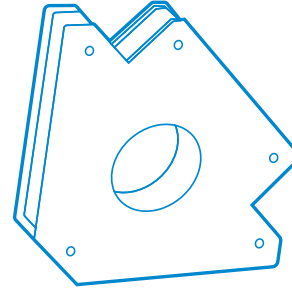
PLASMA TORCH 40 3M			
COD	DESCRIPTION	TECHNICAL SPECIFICATION	MASTERBOX
95115	PT 80 PLASMA TORCH	Duty 60%: 100A Pressure/Pressione: 3,5-5,5 BAR	1 pcs

POSITION	COD	DESCRIPTION	PCS
1	95116	Plasma electrodes/Elettrodo plasma 21,8mm	x10
2	95117	Tip/Ugello 100A - Ø 1,7mm	x1
	95118	Tip/Ugello 80A - Ø 1,5mm	x1
	95119	Tip/Ugello 60A - Ø 1,3mm	x1
3	95120	Retaining cap/Ugello esterno	x2
4	95102	Roller Stand off guide/Guida distanziale con rotelle	x1
5	95100	Spring spacer / Molla distanziatrice	x10

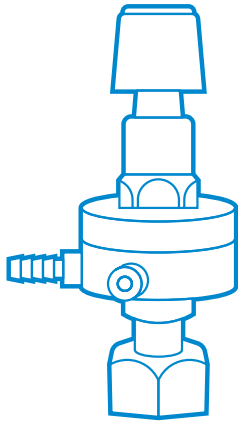
WELDING ACCESSORIES



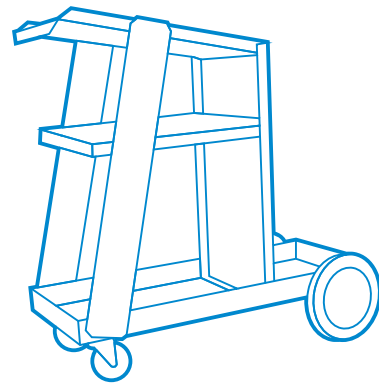
CONNECTIONS



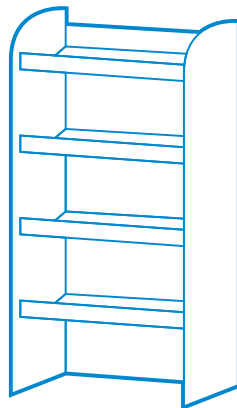
MAGNETS



GAS



TROLLEYS



DISPLAY

EARTH CLAMP / PINZA DI MASSA

KONTACT K200

160 A
Cable: 10-16mm²
160A (35%)
80A (60%)

MULTI HOLE PLATE

CODE	89200
PCS	1
MASTERBOX	12 PCS

**KONTACT K300**

300 A
Cable: 10-35mm²
300A (35%)
250A (60%)

BLISTER

CODE	89300
PCS	1
MASTERBOX	12 PCS

**KONTACT K400 MAGNET**

400 A
Cable: 10-35mm²
400A (35%)
200A (60%)

BOX

CODE	89550
PCS	1
MASTERBOX	2 PCS

**KONTACT K500**

500 A
Cable: 25-70mm²
500A (35%)
350A (60%)

BLISTER

CODE	89500
PCS	1
MASTERBOX	6 PCS

**BLOCK 300**

300 A
Cable: 10-35mm²
300A (35%)
200A (60%)

BOX

CODE	89392
PCS	1
MASTERBOX	2 PCS



POWER CONNECTOR / CONNETTORI DI POTENZA

KONNECTOR PSM 10-25

Cable/Cavo:
10-25 mm²



BLISTER	
CODE	90610
PCS	2
MASTERBOX	6 PCS



KONNECTOR PSM 35-50

Cable/Cavo:
35-50 mm²



BLISTER	
CODE	90630
PCS	2
MASTERBOX	6 PCS



KONNECTOR SM 10-25

Cable/Cavo:
10-25 mm²



BLISTER	
CODE	90510
PCS	2
MASTERBOX	6 PCS



KONNECTOR SM 35-50

Cable/Cavo:
35-50 mm²



BLISTER	
CODE	90530
PCS	2
MASTERBOX	6 PCS



KONNECTOR PM 10-25

Cable/Cavo:
10-25 mm²



BLISTER	
CODE	90585
PCS	2
MASTERBOX	6 PCS



KONNECTOR PM 35-50

Cable/Cavo:
35-50 mm²



BLISTER	
CODE	90603
PCS	2
MASTERBOX	6 PCS



KONNECTOR SM 10-25

Cable/Cavo:
10-25 mm²



BOX	
CODE	90560
PCS	2
MASTERBOX	100 PCS

KONNECTOR SM 35-50

Cable/Cavo:
35-50 mm²



BOX	
CODE	90590
PCS	2
MASTERBOX	100 PCS

KONNECTOR PM 10-25

Cable/Cavo:
10-25 mm²



BOX	
CODE	90580
PCS	2
MASTERBOX	100 PCS

KONNECTOR PM 35-50

Cable/Cavo:
35-50 mm²



BOX	
CODE	90605
PCS	2
MASTERBOX	100 PCS

KONNECTOR PP 10-25

BLISTER	
CODE	90575
PCS	2
MASTERBOX	6 PCS



KONNECTOR PP 35-50

BLISTER	
CODE	90602
PCS	2
MASTERBOX	6 PCS



KONNECTOR PP 10-25

BLISTER	
CODE	90570
PCS	10
MASTERBOX	10 PCS



KONNECTOR PP 35-50

BLISTER	
CODE	90600
PCS	10
MASTERBOX	10 PCS



WELDING CABLE / CAVO PER SALDATRICE

WELDING CABLE
16mm² - 10m

BOX	
CODE	89600
PCS	1
MASTERBOX	5 pcs

WELDING CABLE
16mm² - 5m

BOX	
CODE	89610
PCS	1
MASTERBOX	5 pcs

WELDING CABLE
25mm² - 10m

BOX	
CODE	89700
PCS	1
MASTERBOX	5 pcs

WELDING CABLE
25mm² - 5m

BOX	
CODE	89710
PCS	1
MASTERBOX	5 pcs

WELDING MAGNET / MAGNETI PER SALDATURA

4 MAGNET KIT

45° - 90° - 135°

BLISTER	
CODE	98027
⌀ MAX	4 kg
PCS	1
MASTERBOX	6 PCS



WELDING MAGNET

45° - 90° - 135°

BLISTER	
CODE	88031
⌀ MAX	23 kg
PCS	1
MASTERBOX	6 PCS



BIG WELDING MAGNET

45° - 90° - 135°

BLISTER	
CODE	88041
⌀ MAX	34 kg
PCS	1
MASTERBOX	6 PCS



SWITCH WELDING MAGNET

45° - 90° - 135°

BLISTER	
CODE	88038
⌀ MAX	20 kg
PCS	1
MASTERBOX	30 PCS



CORNER MAGNET

15° - 60° - 90° - 120°

BLISTER	
CODE	98033
⌀ MAX	15 kg
PCS	1
MASTERBOX	6 PCS



MAGNETIC WELDING HELP VARIABLE ANGLE

30° - 45° - 60° - 75° - 90° - 135°

BLISTER			
CODE	88046	88047	88048
⌀ MAX	22 kg	34 kg	45 kg
PCS	1	1	1
MASTERBOX	6 PCS	6 PCS	6 PCS



MINI WELDING MAGNETIC TOOL SET

BLISTER	
CODE	98038
PCS	Mini magnetic welding holders 2pcs
	Mini magnetic welding ground 1pcs
	Mini locking welding 3pcs



MAGNETIC SWEEPER

BLISTER	
CODE	88045
PCS	1
MASTERBOX	1 PCS



HAMMER & BRUSH / MARTELLI E SPAZZOLE

HAMMER BRUSH

BLISTER	
CODE	90300
LENGTH	170 mm
PCS	1
MASTERBOX	6 PCS

MULTI HOLE PLATE	
CODE	90305
LENGTH	270 mm
PCS	1
MASTERBOX	6 PCS



W BRUSH

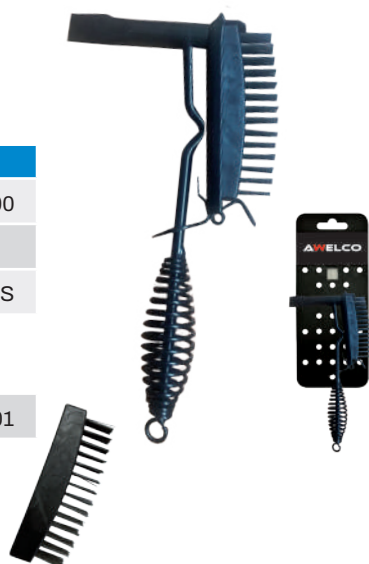
MULTI HOLE PLATE	
CODE	90306
PCS	1
MASTERBOX	6 PCS



PRO HAMMER BRUSH

BLISTER	
CODE	80000
PCS	1
MASTERBOX	6 PCS

CODE	80001
------	-------



A CHIPPING HAMMER

BLISTER	
CODE	80010
WEIGHT	340 g
PCS	1
MASTERBOX	6 PCS

MULTI HOLE PLATE	
CODE	80005
WEIGHT	320 g
PCS	1
MASTERBOX	6 PCS



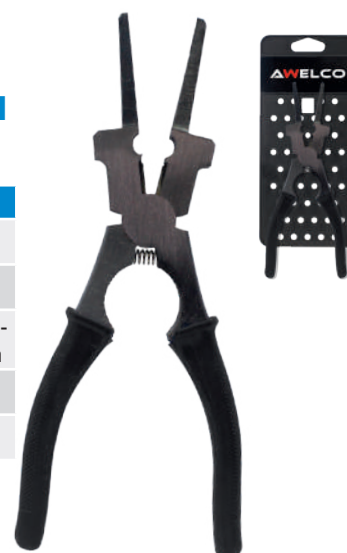
W CHIPPING HAMMER

BLISTER	
CODE	80015
WEIGHT	330 g
PCS	1
MASTERBOX	6 PCS



WELDING MULTI-FUNCTION PLIER

MULTI HOLE PLATE	
CODE	80003
LENGTH	200 mm
WIRE SIZE Ø	0,6-0,8-1,0-1,2-1,6 mm
PCS	1
MASTERBOX	6 PCS



GAS BOTTLE AND REGULATORS / BOMBOLE GAS E REGOLATORI



BOX						
CODE	92500	93500	92510	93510	92520	93520
CAPACITY	1 L	2,2 L	1 L	2,2 L	1 L	2,2 L
TYPE	ARGON +CO ₂	ARGON +CO ₂	CO ₂	CO ₂	ARGON	ARGON
PCS	1	1	1	1	1	1
MASTERBOX	12 PCS	4 PCS	12 PCS	4 PCS	12 PCS	4 PCS

Not Rechargeable

BRICO

BLISTER	
CODE	92400
PCS	1
MASTERBOX	6 PCS

BRICO PROF

BLISTER	
CODE	92410
PCS	1
MASTERBOX	6 PCS



*Compatible with 92500 - 92510 - 92520



BOX				
CODE	92483	92484	92493	92494
CAPACITY	6,9 L	6,9 L	13,6 L	13,6 L
TYPE	ARGON	ARGON +CO ₂	ARGON	ARGON +CO ₂
PCS	1	1	1	1
MASTERBOX	1 PCS	1 PCS	1 PCS	1 PCS

Not Rechargeable

TURBO

BLISTER	
CODE	92449
PCS	1
MASTERBOX	6 PCS

TURBO PROF

BLISTER	
CODE	92450
PCS	1
MASTERBOX	6 PCS



*Compatible with 92483 - 92484 - 92493 - 92494

MICRO MAX

BOX	
CODE	92420
PCS	1
MASTERBOX	2 PCS



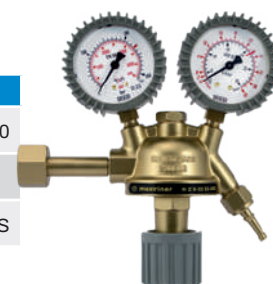
MIG TORCH FLOW

BOX	
CODE	92470
PCS	1
MASTERBOX	12 PCS



MAX - PROF

BOX	
CODE	92430
PCS	1
MASTERBOX	2 PCS



MAX - FLUX

BOX	
CODE	92425
PCS	1
MASTERBOX	2 PCS



ADAPTER CO₂ / ARGON

BOX	
CODE	92419
PCS	1
MASTERBOX	2 PCS



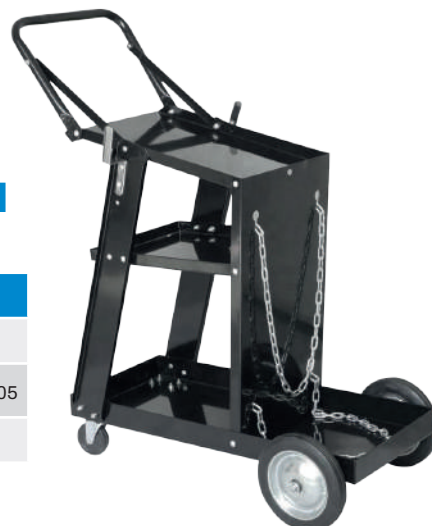
WELDING CART AND OTHERS

MIG
INVERTER
1PH
RANGE
TROLLEY

BOX	
CODE	79600
SIZE (HxWxL)	650x550x350
PCS	1

WELDING
CART WITH
HANDLE

BOX	
CODE	79618
SIZE (HxWxL)	692x375x705
PCS	1

WELDING
CART WITH
HANDLE
AND
DRAWER

BOX	
CODE	79619
SIZE (HxWxL)	692x375x705
PCS	1

TROLLEY
3PH
RANGE

BOX	
CODE	90989
SIZE (HxWxL)	104x59x111
PCS	1



WATER COOLING CT500

BOX					
CODE		90986	TANK CAPACITY	l	6.5
INPUT VOLTAGE / FREQUENCY	V/Hz	Single Phase 380±15% 50/60	MAXIMUM PRESSURE	Mpa	0.3
RATED INPUT CURRENT	A	0.8	PROTECTION CLASS		IP23
RATED OUTPUT CURRENT	W	270	MACHINE DIMENSION	mm³	720x290x235
FLUX	L/min	8	WEIGHT	kg	19

COOLING
LIQUID
5L

BOX	
CODE	95097
CAPACITY	5 L
PCS	1

DISPLAY
MAXI

BOX	
CODE	79200
SIZE (HxWxL)	2200x500x1050
PCS	1

PROMIG
JET
SPRAY

BOX	
CODE	92530
PCS	1
MASTERBOX	24 PCS



Anti
Spatter Spray

PLASTIC WELDING GUN - 70W

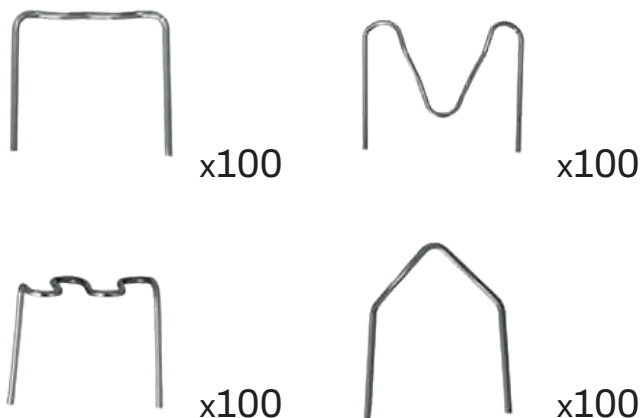


PLASTIC CASE	
CODE	98046
PCS	1

ACCESSORIES INCLUDED

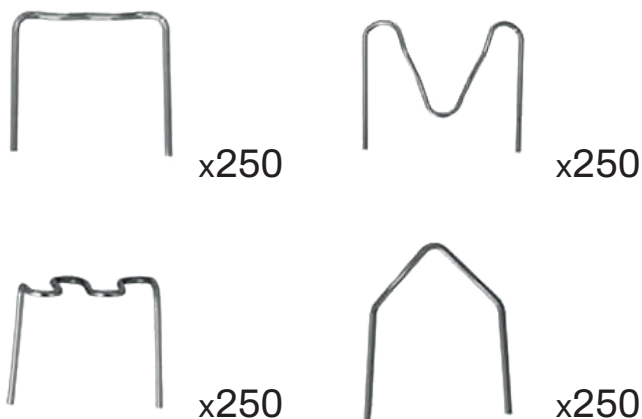


STAPLES KIT - 100pcs



PLASTIC CASE	
CODE	98056
PCS	WAVE STAPLES: 100 V TYPE STAPLES: 100 M TYPE STAPLES: 100 FLATE STAPLES: 100

STAPLES KIT - 250pcs



PLASTIC CASE	
CODE	98057
PCS	WAVE STAPLES: 250 V TYPE STAPLES: 250 M TYPE STAPLES: 250 FLATE STAPLES: 250

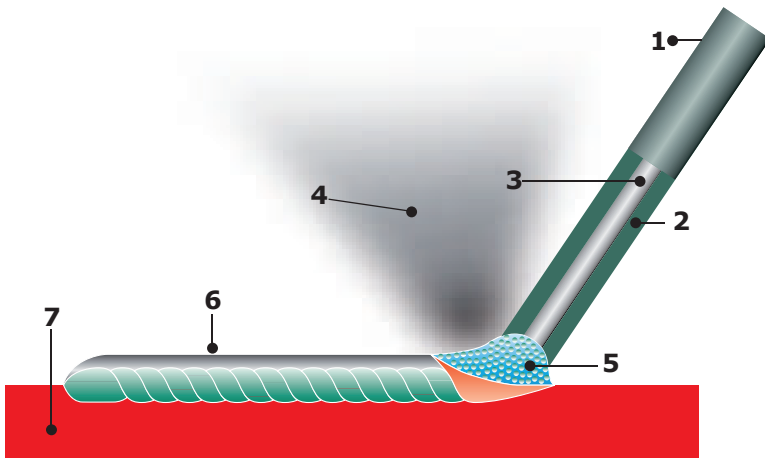
WELDING TORCH COMPATIBILITY

R RECOMMENDED C COMPATIBLE

		AWT15	AWT25	AWT36	AWW501S WATER	SPOOL GUN	SPOOL GUN	TIG TORCH 17V	TIG TORCH 17V	TIG TORCH HF 26	TIG TORCH HF 26 AC/DC	TIG TORCH HF 26 AC/DC CHD	TIG TORCH HF 18 W	PLASMA TORCH 40	PLASMA TORCH PT80	PLASMA TORCH 40 CHD
		91015 91016 91018	91020 91021 91022	91035 91036 91038	91081 91082 91083	90101	90103	96000	96009	96020	96025	96027	96030	95110	95115	95422
MIKROTIG 150	68250							R								
MIKROTIG 170	68270							R								
MIKROTIG 200	68300							R								
ELX 4000	67855							R								
ELX7000	67875							R								
EASYMIG 100	58800		DIRECT CONNECT MIG TORCH													
EASYMIG 120	58812		DIRECT CONNECT MIG TORCH													
EASYMIG 130	58820		DIRECT CONNECT MIG TORCH						R							
EASYMIG 160	58830		DIRECT CONNECT MIG TORCH						R							
EASYMIG 180	58840		DIRECT CONNECT MIG TORCH						R							
EASYMIG 180 EURO	58845	R	C	C				R								
MIKROMIG 1800	59840		DIRECT CONNECT MIG TORCH						R							
MIKROMIG 2000	59850	R	C	C				R								
PLASMA 40	53185													R		
ARC 160	51916							R								
ARC 180	51918							R								
ARC 250	51925							R								
PLUS 250 TIG LIFT	55725							R								
MULTI MIKRO 160	59065		DIRECT CONNECT MIG TORCH						R							
MULTI MIKRO 200	59095	R	C	C					R							
SMARTMIG 2200	59190	R	C	C		R			R							
TRIS 250	N18190	R	C	C					R							
SYNERGY 250	N18200	R	C	C		R			R							
DOUBLE PULSE MIG 2500	59210	R	C	C					R							
MIG 352	N18331		R	C	C	R			C							
MIG 350	N18431		R	C	C	R			C							
MIG 500	N18471			R	C	R			C							
MIG 350 SWF SYNERGIC PULSE	N18715			R	C				C							
MIG 500 SWF SYNERGIC PULSE	N18720			C	R				C							
MIG 550 SWF SINERGIC DOUBLE PULSE	N18750			C	R				C							
TIG 200 I HF-DC PULSE	58195									R						
TIG 200 AC/DC PULSE	58021											R				
TIG 210 AC/DC PFC	58201										R		C			
TIG 320 AC/DC	58320										R		C			
GLOBAL 300	53210	R	C	C			R					R				R
PLASMA 40K	53189													R		
PLASMA 80	53080														R	
PLASMA 120	53100														R	
UNIMIG 250	N14101		R	C												
UNIMIG 270	N14151		R	C												
UNIMIG 300	N14253		R	C												
UNIMIG 350	N15060			R												
UNIMIG 350 SF4	N15110			R												
UNIMIG 374 SF4	N15153			R												
UNIMIG 450 SWF	N16450			C	R											
UNIMIG 550 SWF	N16550			C	R											

WELDING PROCESS

MMA WELDING



1-Elettrodo 2-Rivestimento 3-Anima 4-Protezione gassosa 5-Arco di saldatura 6-Scoria 7-Materiale base
Due metalli vengono uniti con un metallo di apporto e la fusione si ottiene con un arco elettrico. I materiali di apporto sono "elettrodi" ovvero bacchette di metallo rivestite da materiale disossidante.

1-Électrode 2-Revêtement 3-âme 4-Protection gazeuse 5-Arc de soudage 6-Scorie 7-Matériau base
Lorsque deux métaux sont liés par un métal d'apport la fusion a lieu grâce à un arc électrique. Le matériau d'apport provient d'électrodes ou de tiges de métal revêtues de matériau désoxydant.

1-Electrode 2-Coating 3-Core 4-Gaseous protection 5-Arc Welding 6-Slag 7-Base material
When two metals are joined with a filler metal then the fusion is obtained with an electric arc. The filler materials are electrodes or metal coated rods with material deoxidizer.

1-Electrodo 2-Revestimiento 3-Alma 4-protección gaseosa 5-Arco eléctrico 6-Scoria 7-Material base
Al unir dos metales con un metal de relleno, la fusión se obtiene mediante un arco eléctrico. Los materiales de relleno son electrodos o varillas recubiertas de metal con desoxidante.

1-Elektrode 2-Umhüllung 3-Kern 4-Gasschutz 5-Schweißbogen 6-Schlacke 7-Grundstoff
Wenn zwei Metalle mit einem Zusatzwerkstoff verbunden werden, dann wird der Schmelzvorgang durch einen Lichtbogen erlangt. Der Zusatzwerkstoff sind Elektroden oder metallummantelte Stäbe mit Desoxidationsmittel.

1-электрод 2-сердцевина 3-покрытие 4-Газовое Защита 5-сварочная дуга 6-шлак 7-материал основание
При соединении двух металлов присадочным материалом происходит плавление за счет электрической дуги. Присадочными материалами являются электроды, т.е. металлические стержни с покрытием из раскислителя этого материала



Viene ridotta la corrente di saldatura, se si genera un corto circuito permanente, per permettere di rimuovere l'elettrodo e riprendere la normale condizione di esercizio.



Viene erogata una corrente più elevata rispetto a quella impostata per evitare che l'elettrodo, avvicinandosi troppo velocemente alla zona di fusione, si incolli.



All'innesco viene fornita una corrente più alta per facilitare l'innesco dell'arco.

Le valeur du courant diminue immédiatement jusqu'à ce qu'elle atteigne le valeur nécessaire pour que l'électrode puisse être retirée de la soudure.

L'équipement électronique augmente automatiquement le valeur du courant de l'arc pour éviter que l'électrode des que s'approche trop rapidement à la soudure crée un court-circuit.

Il est fourni une courant de démarrage a un valeur supérieure à la valeur prévu pour aider le démarrage de l'arc.

Immediately decreases the current until it reaches a value allowing to remove the electrode from the melt.

The electronic equipment automatically increases the arc current value to avoid that the electrode, approaching very quickly to the welding melt, creates a short-circuit.

Supply the starting current with a value higher than the planned value to help the arc ignition.

El valor actual de la corriente disminuye de manera automática hasta alcanzar un valor que permita despegar el electrodo de la fusión.

Para prevenir que el electrodo que se acerca a la fusión de la soldadura muy rápido cree un cortocircuito, el equipo electrónico aumenta automáticamente el valor de la corriente del arco para eliminarlo.

Corriente de arranque con un valor superior al esperado. Favorece el encendido del arco.

Die Stromstärke nimmt sofort ab bis sie einen Wert erreicht, bei dem die Elektrode vom Schmelzbad entfernt werden kann.

Um zu vermeiden, dass die Elektrode, die sich dem Schmelzbad nähert sehr schnell einen Kurzschluss auslöst, vergrößert die elektronische Regelung automatisch den Wert des Lichtbogenstroms, um dies zu verhindern.

Startstrom größer als der geplante Schweißstrom. Das hilft bei der Lichtbogenzündung.

(ПРЕДОТВРАЩЕНИЕ ПРИЛИПАНИЯ): сила тока немедленно сокращается до величины, позволяющей извлечь электрод из

ФОРСИРОВАНИЕ ДУГИ: Устраняет ситуацию, когда электрод слишком быстро приближается к сварочному расплаву и создает короткое замыкание; для этого электронное оборудование автоматически увеличивает силу тока дуги.

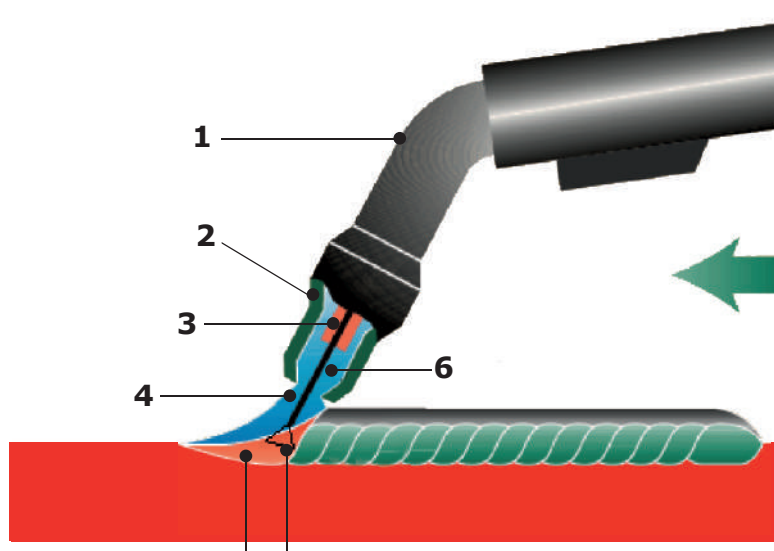
величина начального тока превышает плановую величину. Это помогает зажечь дугу.

MMA WELDING PARAMETERS

0,5mm	1mm	1,5mm	2mm	3mm	4mm	5mm	6mm	
1/64"	3/64"	1/16"	5/64"	1/8"	5/32"	13/64"	15/64"	
1,6mm [1/16"]								
	2,0mm [5/64"]							
		2,5mm [9/32"]						
			3,25mm [1/8"]					
				4,0mm [5/32"]				
					5,0mm [13/64"]			
54	80	115	140	160				
								I ₂ [A]

-  Tenendo conto dello spessore del pezzo da saldare, scegliere il diametro e l'intensità dell'elettrodo appropriati (ampere).
-  En tenant compte de l'épaisseur de la pièce à souder, choisissez le diamètre et l'intensité de l'électrode appropriés (ampères).
-  According to the thickness of the piece to be welded, choose the appropriate electrode diameter and intensity (ampers).
-  Teniendo en cuenta el espesor de la pieza a soldar, elija el diámetro de electrodo e intensidad (ampers) adecuada.
-  Wählen Sie unter Berücksichtigung der Dicke des zu schweißenden Werkstücks den geeigneten Elektrodendurchmesser und die geeignete Intensität (Amps).
-  Принимая во внимание толщину сварочной детали, выберите соответствующий диаметр и интенсивность электрода (амперы).

MIG WELDING



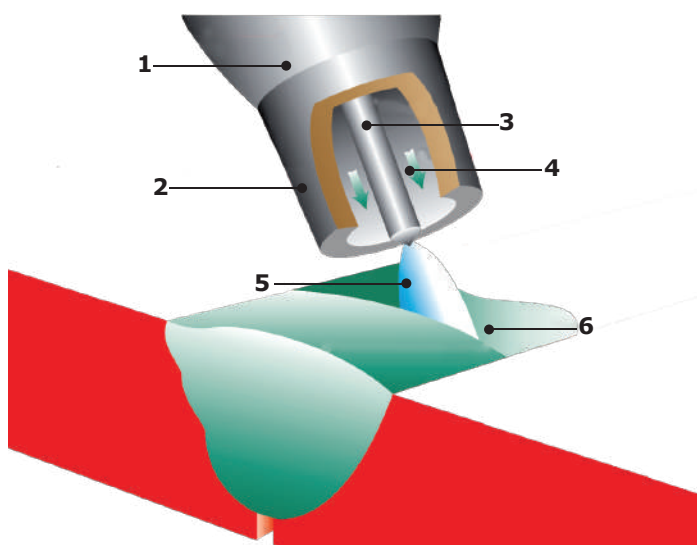
-  1-Torcia 2-Ugello 3-Guida filo 4-Gas di protezione 5-Arco di saldatura 6-Filo di saldatura 7-Metallo fuso
La saldatura "MIG" si distingue in: "MIG GAS": il materiale usato è un metallo sotto forma di filo e il disossidante è un gas, generalmente CO₂ o Argon o CO₂+Argon. "MIG NO-GAS": il filo contiene all'interno il disossidante. Le saldatrici ad inverter possono avere le seguenti caratteristiche automatiche: "MIG PULSATO": modula la potenza di saldatura nel tempo a seconda della frequenza e dell'impulso. Se, ad esempio, la frequenza 50Hz e l'impulso è 15% si ha: o tempo totale 20ms (1s/50Hz); o tempo impulso 3ms (20ms*15%).
-  1-Torche 2-Bec 3-Tube contact 4-Gaz Protection 5-Arc de Soudage 6-Fil de soudage 7-Bain de fusion
Le soudage "MIG" se distingue par : "GAZ MIG" : le matériau utilisé est un métal sous forme de fil et l'oxydation est limitée par un gaz, généralement du CO₂, de l'Argon ou CO₂+Argon. "MIG SANS GAS": le fil est contenu dans le désoxydant. Les postes à souder à onduleur ont les fonctions automatiques suivantes ; "MIG PULSATION" : Module la puissance de soudage dans le temps en fonction de la fréquence et de la pulsation. Par exemple, si la fréquence est de 50Hz et que l'impulsion est à 15% elle a : o Temps total 20ms (1s/50Hz) ; o Temps de pulsation 3ms (20ms*15%).

-  1- Torch 2-Nozzle 3-Contact tip 4- Protection gas 5-Welding arc 6-Welding Wire 7-Melting Pool
Welding "MIG" is distinguished in: "MIG GAS": the material used is a metal in the form of a wire and the deoxidization and a gas, generally CO₂, Argon or CO₂+Argon. "MIG NO-GAS": the thread contains within the dioxidiser. The inverter welders may have the following automatic features: "MIG PULSE": Modulates the welding power over time depending on the frequency and pulse. For example, if the frequency is 50Hz and the impulse is at 15% it has: o Total time 20ms (1s/50Hz); o Pulse time 3ms (20ms*15%).
-  1-Antorcha 2-Boquilla 3-Punta de contacto 4-Gas de protección 5-Arco de soldadura 6-Alambre de soldadura 7-Baño de fusión
La soldadura "MIG" se distingue por: "MIG GAS": el material utilizado es un metal con forma de alambre, y el desoxidante es un gas, normalmente CO₂, Argón o CO₂+Argón. "MIG NO-GAS": el alambre contiene al interno el desoxidante. Los soldadores inverter tienen las siguientes características automáticas: "MIG PULSE": Modula la potencia de soldadura en el tiempo según la frecuencia y el impulso. Por ejemplo, si la frecuencia es 50Hz y el impulso es del 15%, tenemos: o Tiempo total 20ms (1s/50Hz); o Tiempo de impulso 3ms (20ms*15%).
-  1-Schlauchbrenner 2-Düse 3-Kontakt Spitze 4-Schutzgas 5-Lichtbogen 6-Schweißdraht 7-Schmelzpool
Beim "MIG"-Schweißen wird unterschieden zwischen: "MIG GAS": das verwendete Material ist ein Metall in Form eines Drahtes und das Desoxidationsmittel und ein Gas, meistens CO₂, Argon oder CO₂ + Argon. "MIG OHNE-GAS": im Draht ist das Desoxidationsmittel enthalten. "MIG IMPULS": Moduliert die Schweißkraft über die Zeit abhängig von Frequenz und Puls. Z.B. bei einer Frequenz von 50Hz und einem Puls von 15%: o Gesamtzeit 20ms (1s/50Hz); o Impulszeit 3ms (20ms*15%).
-  1-Факел, горелка 2-сопло 3-Контактный наконечник 4-Защита газ 5-сварочная дуга 6-Сварочная проволока 7-Таяние бассейн
Сварка «Миг» выделяется в: «МИГ ГАЗ»: используемый материал металл в виде проволоки и раскисление и газ, как правило, CO₂, аргон или CO₂ + аргон. «МИГ НО-ГАЗ»: нить содержит в dioxidiser. Инвертор сварщики могут иметь следующие функции автоматического; «МИГ PULSE»: Модулирует мощность сварки с течением времени в зависимости от частота и импульс. Например, если частота 50 Гц, и импульс на уровне 15% он имеет: o Общее время 20 мс (1s/50Hz); o Длительность импульса 3 мс (20 мс * 15%).

MIG PULSE

-  La funzione PULSE consente di migliorare la produttività e la qualità delle saldature rispetto ai processi MIG tradizionali, offrendo minore deformazione ed una maggiore tenuta dei pezzi saldati.
-  La fonction PULSE permet d'améliorer la productivité et la qualité des postes de soudure MIG par rapport aux MIG traditionnels.
-  PULSE function allows you to improve the welding productivity and quality compared to traditional MIG processes, offering lower distortion and higher sealing of welded parts.
-  La función PULSE le permite mejorar la productividad y la calidad de la soldadura en comparación con los procesos MIG tradicionales, ofreciendo una menor distorsión y un mayor sellado en las piezas soldadas.
-  Die PULSE-Funktion ermöglicht es, die Produktivität und die Qualität der Schweißnähte im Vergleich zum traditionellen MIG-Verfahren zu verbessern, wodurch weniger Verformungen und eine bessere Haltung der geschweißten Teile erzielt werden.
-  Функция PULSE позволяет повысить производительность и качество сварки по сравнению с традиционными процессами MIG, благодаря меньшей деформации и лучшей герметичности свариваемых деталей.

TIG WELDING



-  1-Torcia 2-Ugello 3-Elettrodo Infusibile 4-Gas di protezione 5-Arco di saldatura 6-Metallo fuso

Nella saldatura "TIG" il calore necessario per la saldatura è fornito da un arco elettrico tra un elettrodo infusibile ed il pezzo in lavorazione, sotto la protezione di un gas inerte (normalmente Argon: Ar 99,5). La saldatura può essere eseguita con o senza materiale d'apporto.

-  1-Torche 2-Bec 3-Infusible-électrode 4-Gaz Protection 5-Arc de Soudage 6-Bain de fusion

Pour le soudage TIG, la chaleur est produite par l'arc électrique entre une électrode non-consommable (en tungstène) et la pièce à souder au moyen d'un gaz inerte (généralement de l'argon : Ar 99,5). L'électrode en tungstène est supportée par une torche qui convient à la transmission du courant de soudage et à la protection de l'électrode elle-même, et de la soudure de l'oxydation atmosphérique au moyen d'un débit de gaz inerte (habituellement de l'argon : Ar 99,5) qui est projeté par la buse en céramique.

-  1-Torch 2-Gas Nozzle 3-Infusible Electrode 4-Protection Gas 5-Welding Arc 6-Melting pool

In TIG welding the heat is produced by the electric arc between a nonconsumable electrode (tungsten) and the piece to be welded, by the flow of an inert gas (usually argon: Ar 99.5). The tungsten electrode is supported by a torch suitable for transmitting the welding current and protecting the electrode itself and the weld pool from atmospheric oxidation, by the flow of an inert gas (usually argon: Ar 99.5) which flows out of the ceramic nozzle.

-  1-Antorcha 2-Boquilla 3-Electrodo Infusible 4-Gas de protección 5-Arco de soldadura 6-Baño de fusión

En la soldadura TIG el calor necesario para la soldadura es suministrado por un arco eléctrico entre un electrodo inconsumible (tungsteno) y la pieza a soldar, bajo la protección de un flujo de un gas inerte (normalmente argón: Ar 99,5) que sale de la boquilla de cerámica. El electrodo de tungsteno es soportado por una antorcha que transmite la corriente de soldadura y a su vez protege al electrodo mismo y al baño de soldadura de la oxidación atmosférica.

-  1-Schlauchbrenner 2-Düse 3-Abschmelzende Elektrode 4-Schutzgas 5-Lichtbogen 6-Schmelzpool

Beim WIG-Schweißverfahren wird die Hitze durch den Lichtbogen zwischen einer sich nicht verbrauchenden Elektrode (Wolfram) und dem Schweißstück erzeugt; dabei fließt ein inertes Gas (normalerweise Argon: Ar 99,5). Die Wolframelektrode wird von einem Brenner gehalten, der geeignet ist um den Schweißstrom zu übertragen und die Elektrode selbst und das Schmelzbad vor atmosphärischer Oxidation zu schützen, indem ein inertes Gas (normalerweise Argon: Ar 99,5) aus der Keramikdüse fließt.

-  1-Факел, горелка 2-сопло 3-Неплавкий электрода 4-ащита газ 5-сварочная дуга 6-Плавильный бассейн

TIG предполагает образование тепла за счет электрической дуги между неплавящимся электродом (вольфрам) и свариваемой деталью в струе инертного газа (обычно аргон: Ar 99,5). Вольфрамовый электрод дополняется горелкой, обеспечивающей передачу сварочного тока и защиту самого электрода вместе со сварочной ванной от окисления атмосферным воздухом за счет потока инертного газа (обычно аргон: Ar 99,5), выходящего из керамического сопла

SCRATCH

█ L'innescò a striscio avviene mediante sfregamento dell'elettrodo di tungsteno sul pezzo da saldare, con la conseguente accensione dell'arco.

█ L'amorçage par glissement on l'a au moyen du frottement de l'électrode de tungstène sur la pièce à souder.

█ Scratch start happens thanks to the tungsten electrode rubbing on the base material, with the consequent ignition of the arc.

█ El encendido a Scrutch ocurre gracias al raspado del electrodo de tungsteno con el material de base, con el consiguiente encendido del arco.

█ Die Kratzlichtbogenzündung erfolgt durch Reiben der Wolframelektrode an dem zu schweißenden Stück, woraufhin der Lichtbogen gezündet wird.

█ Поджиг осуществляется за счёт трения вольфрамового электрода по свариваемой детали с последующим зажиганием дуги.

LIFT

L'innescò LIFT è ottenuto mediante un dispositivo che fornisce una corrente di basso valore per non danneggiare la punta dell'elettrodo di tungsteno, quando lo stesso è a contatto con il materiale da saldare. La partenza LIFT, per la mancanza dell'alta frequenza ha la proprietà di non creare disturbi elettromagnetici.

L'amorçage LIFT est obtenu au moyen d'un dispositif que fournit un courant très bas pour n'endommager pas la pointe de l'électrode de tungstène, quand il est à contact avec la pièce à souder. L'amorçage LIFT, pour la manque de haut fréquence il a la propriété de ne créer pas des dérangements électro magnétiques.

LIFT start happens thanks to a device that provides low current to avoid the tungsten electrode's end damage, when it gets in contact with the base material. LIFT start, due to high frequencies, has the capacity to do not create electromagnetic disturbances.

El encendido LIFT sucede gracias a un dispositivo que proporciona una corriente baja para evitar que los electrodos de tungsteno sufran daños cuando entran en contacto con el material base.

Die LIFT- Lichtbogenzündung wird mittels einer Vorrichtung erreicht, die einen Strom mit niedrigem Wert liefert, um die Spitze der Wolframelektrode nicht zu beschädigen, wenn diese mit dem zu schweißenden Material in Kontakt steht. Der LIFT-Start hat aufgrund der fehlenden hohen Frequenz die Eigenschaft, keine elektromagnetischen Störungen zu erzeugen.

Зажигание LIFT обеспечивается устройством, которое подает слабый ток, чтобы не повредить наконечник вольфрамового электрода, когда он находится в контакте со свариваемым материалом. Поджиг LIFT, благодаря высокой частоте, не создаёт электромагнитные помехи.

HIGH FREQUENCY

Nell'innescò HF, la scintilla pilota è fornita da un generatore ad alta frequenza che sovrappone alla tensione di saldatura un impulso ad alta tensione; la potenza di tale dispositivo è minima, tale comunque da permettere l'innescò a distanza dell'arco elettrico.

Dans l'amorçage HF, l'étincelle pilote est fournie par un générateur de haut fréquence que superpose au voltage de soudure une impulsion à haut voltage, la puissance de tel dispositif est très bas, mais suffisant pour l'amorçage à distance du arc électrique.

In the HF start, the pilot spark is given by a high frequency generator that overlaps to the welding voltage, a high voltage impulse; this device power is minimal, such however to be allow the electric arc distance start.

En el encendido con tecnología HF, la chispa piloto viene dada por un generador de alta frecuencia que se superpone al voltaje de soldadura, un impulso de alto voltaje; La potencia de este dispositivo es mínima, sin embargo, permitir el encendido a distancia del arco eléctrico.

Bei der HF-Lichtbogenzündung wird der Zündfunken von einem Hochfrequenzgenerator geliefert, welcher der Schweißspannung einen Hochspannungsimpuls überlagert; Die Leistung dieses Geräts ist minimal, jedoch so, dass der elektrische Lichtbogen ferngesteuert werden kann.

При HF (высокочастотном) зажигании пилотная искра подается высокочастотным генератором, который налагает высоковольтный импульс на сварочное напряжение; мощность этого устройства минимальная, но в то же время достаточная для поджига электрической дуги на расстоянии.

PLASMA CUTTING

-  L'arco plasma è ottenuto grazie ad un arco elettrico, generato tra un elettrodo infusibile e il pezzo da tagliare. Un flusso di aria compressa convoglia l'arco attraverso un ugello di piccole dimensioni generando un flusso concentrato di energia che provoca la fusione localizzata del pezzo.
-  L'arc de plasma est obtenu grâce à un arc électrique généré entre un électrode infusible et la pièce à usiner. A le débit d'air comprimé transporte l'arc à travers une buse de faible dimension la génération d'un courant concentré d'énergie qui provoque la fusion localisée de la pièce.
-  The plasma arc is obtained thanks to an electric arc, generated between a infusible electrode and the workpiece. a compressed air flow conveys the arc through a nozzle of small size generating a concentrated stream of energy that causes localized melting of the piece.
-  El arco de plasma se obtiene gracias a un arco eléctrico, generado entre un electrodo infusible y la pieza de trabajo. Un flujo de aire comprimido transmite el arco a través de una boquilla de pequeño tamaño generando un flujo concentrado de energía que causa la fusión localizada de la pieza.
-  Der Plasmabogen wird durch einen Lichtbogen erhalten, der zwischen einer unschmelzbaren Elektrode und dem Werkstück erzeugt wird. Ein komprimierter Luftstrom fördert den Lichtbogen durch eine Düse von kleiner Größe, die einen konzentrierten Energiestrom erzeugt, der ein lokales Schmelzen des Stückes verursacht.
-  Плазменная дуга получается благодаря электрической дуге, создаваемой между неплавким электродом и заготовкой. Поток сжатого воздуха пропускает дугу через сопло малого размера, генерируя концентрированный поток энергии, который вызывает локализованное плавление детали.

WELDING TECHNOLOGIES

INVERTER

-  Le saldatrici con tecnologia inverter consentono di avere le migliori prestazioni sul mercato, alta efficienza, minima perdita di calore, un rumore bassissimo. Oltre ad essere un prodotto compatto, leggero e facile da trasportare. Assorbimento di gran lunga inferiore rispetto alla tecnologia a trasformatore.
-  Les poste à souder avec technologie INVERTER permettent d'avoir les meilleures performances du marché, haut rendement, très basse perte de chaleur, très bas bruit. En plus il est un produit compact, léger et facile à transporter.
-  Inverter technology welding machines allows you to have the best performances on the market, high efficiencies, lower heat loss, low noise. Besides is a compact, light and easy to carry product.
-  Las máquinas de soldadura con tecnología inverter le permiten tener el mejor rendimiento del mercado, alta eficiencia, menor pérdida de calor y bajo nivel de ruido. Además es un producto compacto, ligero y fácil de transportar.
-  Die Schweißgeräte mit Inverter-Technologie ermöglichen Ihnen die besten Leistungen auf dem Markt zu haben, hohe Effizienz, minimale Wärmeverluste und sehr geringe Geräuschentwicklung. Außerdem handelt es sich um kompakte, leichte und einfach zu transportierenden Produkte.
-  Сварочные аппараты инверторного типа обеспечивают лучшие выходные характеристики на сегодняшнем рынке, высокую эффективность, меньшие теплопотери и низкий уровень шума. Кроме того, данная продукция является компактной, лёгкой и удобной для переноски.

TRANSFORMER

-  Le saldatrici con trasformatore di potenza sono semplici, affidabili e durevoli nel tempo.
-  Les postes à souder avec transformateur de puissance sont simples, fiables et durables.
-  Welding machines with power transformer are simple, reliable and long lasting.
-  Los equipos de soldar con transformador de potencia son simples, fiables y duraderos.
-  Schweißgeräte mit Leistungs-Transformator sind einfach im Gebrauch, zuverlässig und langlebig.
-  Сварочные трансформаторы просты, надежны и долговечны.

LEGEND

 50-60Hz	IT - Tensione di rete FR - Tension de secteur GB - Mains voltage E - Tensión de red D - Netzspannung RU - Напряжение сети		IT - Fattore di servizio FR - Facteur de marche GB - Duty cycle E - Ciclo de servicio D - Einschaltdauer RU - Соотношение прерывистости		IT - Tempo di saldatura continuo nominale (EN 60974-6). FR - Temps de soudage continu nominal (EN 60974-6). GB - Rated continuous welding time (EN 60974-6). E - Tiempo de soldadura continua nominal (EN 60974-6). D - Nenn-Dauer-Schweißzeit (EN 60974-6). RU - Номинальное время непрерывной сварки (60974-6).
	IT - Corrente di carica FR - Courant de charge GB - Charge current E - Corriente de carga D - Ladestrom RU - зарядный ток		IT - Diametro elettrodi FR - Diamètre électrodes GB - Electrode diameter E - Diámetro electrodos D - Elektroden durchmesser RU - Диаметр электрода		IT - Tempo di saldatura nominale in 1 ora (EN 60974-6). FR - Temps de soudage nominal en 1 heure (EN 60974-6). GB - Rated welding time in 1h (EN 60974-6). E - Tiempo de soldadura nominal en 1 hora (EN 60974-6). D - Nenn-Schweißzeit in 1 Stunde (EN 60974-6). RU - Номинальное время сварки 1 час (60974-6).
	IT - Diametro filo saldatura acciaio FR - Diamètre fil de soudage acier GB - Steel welding wire diameter E - Diámetro hilode soldadura acero D - Stahl Schweissdraht Durchmesser RU - Диаметр проволоки для сварки стали		IT - Corrente massima FR - Courant max. GB - Max current E - Corriente máx D - Max Strom RU - Максимальный ток		IT - Consumo energetico in stato di inattività FR - Consommation d'énergie à l'état inactif GB - Idle state power consumption E - Consumo de energia D - Leerlaufleistung RU - Потребление энергии в режиме ожидания
	IT - Diametro filo saldatura inox FR - Diamètre fil de soudage inox GB - Stainless steel welding wire diameter E - Diámetro hilode soldadura acero inoxidable D - Edelstahl Schweissdraht Durchmesser RU - Диаметр проволоки для сварки нержавеющей стали		IT - Fattore di servizio FR - Facteur de marche GB - Duty cycle E - Ciclo de servicio D - Einschaltdauer RU - Соотношение прерывистости		IT - Efficienza della saldatrice FR - Efficacité de la source d'alimentation GB - Power source efficiency E - Eficiencia de la fuente de alimentación D - Effizienz der Stromquelle RU - Эффективность источника питания
	IT - Diametro filo saldatura alluminio FR - Diamètre fil de soudage aluminium GB - Aluminium welding wire diameter E - Diámetro hilode soldadura aluminio D - Alu Schweissdraht Durchmesser RU - Диаметр проволоки для сварки алюминия		IT - Grado di protezione FR - Degré de protection GB - Protection degree E - Grado de proteccion D - Schutzgrad RU - Степень защиты		
	IT - Nessun fusibile FR - Pas de fusible GB - No Fuse E - Sin fusible D - keine Sicherung RU - Нет предохранителя		IT - Corrente efficace FR - Courant Efficace GB - Effective current E - Corriente eficaz D - Effektiver Strom RU - Эффективный ток		
	IT - Corrente media FR - Courant moyen GB - Average current E - Corriente media D - Durchschnittlicher Strom RU - Среднее значение тока		IT - Tensione di carica/avviamento FR - Tension de charge et de demarrage GB - Charge/starter voltage E - Tensión de carga y de puesta en marcha D - Lade/anlass Spannung RU - Напряжение заряда/запуска		
	IT - Capacità della batteria FR - Capacité de la batterie GB - Battery capacity E - Capacidad de la batería D - Kapazität der Batterie RU - Макс холостое напряжение		IT - Codice FR - Code GB - Code E - Código D - Kode RU - код		
	IT - Potenza assorbita FR - Puissance absorbée GB - Absorbed power E - Potencia absorbida D - Leistungsaufnahme RU - Поглощенная мощность		IT - Dimensioni FR - Dimensions GB - Dimensions E - Dimensiones D - Abmessungen RU - Размеры		
	IT - Tensione a vuoto max FR - Tension a vide max GB - Max no load voltage E - Tension en vacio max. D - Leerlaufspannung RU - Макс. холостое напряжение		IT - Quantità per box/masterbox FR - Quantité par box/masterbox GB - Quantity per box/masterbox E - Cantidad por caja/caja master D - Menge pro box/master RU - Количество для бокса/мастер-бокса		
	IT - Corrente di carica convenzionale FR - Courant conventionnel de charge GB - Rated charge current E - Corriente de carga convencional D - Konventioneller Ladestrom RU - Ток конвенционального заряда		IT - Peso FR - Poids GB - Weight E - Peso D - Gewicht RU - вес		
	IT - Campo regolazione FR - Plage de réglage courant GB - Current range corrente E - Plage de réglage courant D - Regelbereich RU - Диапазон регулирования тока		IT - Codice a barre FR - Code barre GB - Bar Code E - Código barra D - EAN Code RU - EAN		
	IT - Avviamento FR - Démarrage GB - Start E - Arranque D - Anlassen RU - Пуск		IT - Quantità per pedana FR - Quantité par palette GB - Quantity per pallet E - Cantidad por pallet D - Menge pro Palette RU - Количеств в опаллете		
	IT - Posizioni di regolazione FR - Positions de réglage GB - Adjustment positions E - Posiciones de regulation D - Schaltstufen RU - Положение регулирования		IT - Volume scatola FR - Volume carton GB - Box volume E - Volumen caja D - Karton volume RU - Объем упаковки		

TECHNOLOGY

 IT - Saldatura ad elettrodo FR - Poste a souder MMA GB - MMA welding machine E - Equipos de soldadura MMA D - MMA Schweißgerät RU - Сварочный Аппарат MMA	 IT - Saldatura al plasma FR - Poste a souder plasma GB - Plasma welding machine E - Equipos de soldadura plasma D - Plasma Schweißgerät RU - Аппарат ДляПлазменной Резки	 IT - Caricabatterie-Avviatore FR - Chargeur-Demarreur GB - Battery-charger-boost E - Cargadores y ayuda dearranques D - Ladegerät und Anlasser RU - Пуско-Зарядное Устройство	 IT - Bombe di gas ricaricabili FR - Bouteilles de gaz rechargeables GB - Rechargeable gas bottles E - Botellas de gas recargables D - Wiederaufladbare Gasflaschen RU - многоразовые газовые баллоны
 IT - Saldatura a TIG FR - Poste a souder TIG GB - TIG welding machine E - Equipos de soldadura TIG D - WIG Schweißgerät RU - Сварочный Аппарат Тиг	 IT - Saldatura Mig-Mag-Mog FR - Poste a souder a fil continue GB - Mig-Mag-Mog welding machine E - Equipos de soldadura Mig D - Mig-Mag-Mog Schweißgerät RU - Сварочный Аппарат Мир-Mar-Mor	 IT - Caricabatterie FR - Chargeur de batterie GB - Battery-charger E - Cargadores y ayuda dearranques D - Batterieladegerät RU - Зарядное Устройство	 IT - Avviatore FR - Demarreur GB - Booster E - Aumentador de presión D - Booster RU - Бустер

PERFORMANCE

 IT - Telecomando FR - Télécommande GB - Remote Control E - Telecomando D - Fernsteuerung RU - Дистанционное Управление	 IT - Riduttore 2 manometri FR - Détendeur 2 manomètres GB - 2 Gauges gas reducer E - Regulador 2 manómetros D - Druckregler 2 Manometer RU - ВКомплекте Газовый Редуктор С Двумя Манометрами	 GB - Ramp Burn Back, Timer On, Wire Speed RU - Меню Выбора Режимов Сварки	 IT - Facile da trasportare FR - Facile à transporter GB - Easy to carry E - Facile de transporter D - leicht zu tragen RU - легко переносить
 IT - Regolazione velocità del filo FR - Régulateur de la vitesse du fil GB - Wire speed regulator E - Regulador de velocidad de alambre D - Drahtgeschwindigkeit-Regler RU - Регулятор Скорости Поддачи Проволоки	 IT - Partenza Ad Alta Frequenza FR - Amorceage Avec Hf GB - High Frequency Start E - Inicio Con Alta Frecuencia D - Hochfrequenzstart RU - Высокочастотный Поджиг	 IT - Termostato FR - Thérmostat GB - Thermostatic Control E - Termostado D - Thermostat RU - Термостатический Контроль	 IT - Funzione tampone-Autospegnimento FR - Fonction du tampon-Self control GB - Buffer function-Self control E - Function Tampon-Self Apagamiento D - Buffer Funktion-Selbstausschaltungskontrolle RU - Функция Буфера-Самоконтроль
 IT - Trainfilo a 4 rulli FR - Dévidoir de fil 4 rouleaux GB - Wirefeeder 4 reels E - Alimentador de hilo 4 rollos D - Drahtvorschub mit 4 Räder RU - 4 Ролика Поддачи Проволоки	 IT - Amperometro Analogico FR - Ampèremètre Analogique GB - Analogic Amperometer E - Amperímetro Analogico D - Analogisches Ammeter RU - Амперметр	 IT - Protezione da inversione di polarità FR - Protection inversion de polarité GB - Reverse polarity protection E - Protección de polaridad inversa D - Polarität Inversionsschutz RU - Защита От Неправильной Полярности	 IT - Connessione Diretta Torcia FR - Connexion Directe GB - Direct Connection Torch E - Conexión Directa D - Direktanschluss RU - Несъемный Сварочный Пистолет
 IT - 2 Induttanza FR - 2 Inductance GB - 2 Inductance E - 2 Inductancia D - 2 Induktivität RU - 2 Катушки Индуктивности	 GB - Burn Back, Pre-Gas, Timer On, Timer Off, 2t,4t, Wire Speed RU - Меню Выбора Режимов Сварки	 IT - Accessori Inclusi FR - Accessoires Complete GB - Accessories Included E - Accesorios Completos D - Zubehör Inklusive RU - С Аксессуарами	 IT - Hot Start FR - Hot Start GB - Hot Start E - Hot Start D - Hot Start RU - Функции Горячего
 IT - Anti Stick FR - Anti Stick GB - Anti Stick E - Anti Stick D - Anti Stick RU - Предотвращения Залипания Электрода	 IT - Arc force FR - Arc force GB - Arc force E - Arc force D - Arc force RU - Модуляция Сварочного Тока	 IT - Ventilata FR - Ventilateur GB - Fan E - Ventilador D - Ventilator RU - Вентилятор	 IT - Gas / No Gas FR - Gaz / Pas de gaz GB - Gas / No Gas E - Gas / No Gas D - Gas / kein Gas RU - Газовая/ Безгазовая Сварка
 IT - Trainfilo A 2 Rulli Dentati FR - Dévidoir De Fil 2 Rouleaux Denté GB - Wirefeeder 2 Gear Reels E - Alimentador 2 Rollos Engranaje D - Drahtvorshub Mit 2 Zahnradern RU - 2 Ведущих Ролика Поддачи Проволоки	 GB - Lifting arc RU - Сварка На Поднятой Дуге	 IT - Ganci di sollevamento FR - Crochets de soulèvement GB - Lifting Hooks E - Ganchos De Sublevación D - Behehaken RU - Крючки Для Подъема	 IT - Carica Lenta FR - Charge lente GB - Slow Charging E - Carga Lenta D - Langsame Ladung RU - Медленная Зарядка
 IT - Carica Veloce FR - Charge Rapide GB - Fast Charging E - Carga Veloz D - Schnelle Ladung RU - Быстрая Зарядка	 IT - Kit ruote FR - Kit roulant GB - Wheel kit E - Kit ruedas D - Räder kit RU - Оснащен Колесами	 IT - Attacco Torcia "Euro" FR - Connecteur Torche "Euro" GB - "Euro" Torch Connector E - Enchufe Antorcha Euro D - "Euro" Brenner Anschluss RU - Евро-Разъем	 IT - Avvolgimenti in rame FR - Bobinage en cuivre GB - Copper windings E - Bobinaje en cobre D - Kupfer wicklungen RU - Аппарат Для Плазменной Резки
 IT - Riduttore FR - Regulador GB - Gas Reducer E - Regulador D - Druckregler RU - Редуцировать газ	 IT - Presa FR - Prise GB - Socket E - Enchufe D - Steckdose RU - Разъем	 IT - Presa FR - Prise GB - Socket E - Enchufe D - Steckdose RU - Разъем	 IT - Presa FR - Prise GB - Socket E - Enchufe D - Steckdose RU - Разъем
 IT - Filo Animato FR - Fil Fourré GB - Flux Cored Wire E - Hilo Animado D - Fülldrahtrolle RU - Порошковая Электродная Проволока	 IT - Torcia senza tensione FR - Torche complètement isolé GB - No Voltage On Torch E - Antorcha Aislada D - Keine Spannung auf dem Brenner RU - Сварочный ПистолетНе Находится ПодНапряжением	 IT - Uscita 70v Basica FR - Sortie 70v Basique GB - Basio 70v Exit E - Salida 70v Basica D - Ausgangsklemme 70v RU - Базовый Выход 70v	 IT - Temperatura Media 20° FR - Température Moyenne 20° GB - Average Temperature 20° E - Temperatura Promedio 20° D - Durchschnitt Temperatur 20° RU - Средняя Температура 20°
 IT - Accumulatore di energia FR - Banque d'alimentation GB - Power bank E - Banco de energia D - Powerbank RU - Внешний аккумулятор	 IT - Luce FR - Lumière GB - Light E - Ligero D - Hell RU - Светлый	 IT - Indicatore BAR FR - Indicateur BARRE GB - BAR indicator E - Indicador de BARRA D - BAR-Anzeige RU - Индикатор BAR	 IT - Riduttore 1 manometro FR - 1 réducteur de manomètre GB - 1 pressure gauge reducer E - 1 reductor de manómetro D - 1 Manometer-Reduzierstück RU - 1 редуктор манометра

AWELCO PLUS

 IT - Vernice Antigraffio FR - Peinture Antichoc GB - Anti-Scratch Paint E - Pintura Antichoque D - Kratzfester Lack RU - Антивандальное Покрытие	 IT - 32 Regolazioni FR - 32 Réglages Du Courant GB - 32 Regulation E - 32 Regulaciones D - 32 Regelung RU - Сварочного Тока	 IT - Doppio Amperometro FR - Double Ampèremètre GB - Double Ammeter E - Doble Amperímetro D - Doppelter Strommesser RU - Два Амперметра	 IT - Doppia Ventilazione FR - Double Ventilation GB - Double Fan E - Doble Ventilación D - Doppelter Ventilator RU - Два Вентилятора
 IT - Carrozzeria Rinforzata FR - Carrosserie Très Solide GB - Reinforced Body E - Carroceria Reforzada D - Druckregler RU - Усиленный Корпус	 IT - Accessoriale Con Swf FR - Il Peut Être Équipé Avec Dévidoir Séparé (Swf) GB - Swf Ready E - Equipable Con Arrastre Separado (Swf) D - Swf Bereit RU - Готов К Работе	 IT - Telecomando 2 Pulsanti FR - Télécommande A Deux Boutons GB - 2 Buttons Remote Control E - 2 Pulsante Telecomando D - 2 Druckknopf Fernsteuerung RU - Дистанционное Управление С Двумя Кнопками	 IT - Torcia Con Molloni FR - Torche Avec Ressort De Protection GB - Sprin On Torch E - Antorcha Con Resortes De Protección D - Gebläselampe Mit Klammern RU - Предохранение Предохранение От Излома Кабеля
 IT - Indicatore Di Velocità FR - Indicateur Vitesse GB - Speed Indicator E - Indicador De Velocidad D - Geschwindigkeitsanzeiger RU - Индикатор Скорости Поддачи Проволоки	 IT - Accessori Montati FR - Accessoires Montés GB - Accessoried Assembled E - Accesorios Montados D - Montierte Zubehörteile RU - Комплекующие Установлены	 IT - Collegabile Al Gruppo Elettrogeno FR - Connectable Au Groupe Électrogène GB - Power Generator Connectable E - A Generadores De Corriente D - Connectable RU - Адаптирован Для Подключения К Генератору	 IT - Pinze Anti-Shock FR - Pincés Anti-Choc GB - Shock Clamp E - Pinzas Anti-Choque D - Anti-Shock Klemme RU - Изолированный Зажим

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DESCRIPTION	CODE								PAGE
EXTRA 170	50045R	230V~1ph	60	160 A	30/160	5,3	4	8,0	12
EXTRA 200	50075R	230V~1ph	60	200 A	30/200	6,6	4,9	10,0	12
ANTARES 130	50130	230V~1ph	73	130 A	20/130	5,9	3,9	9,0	13
ANTARES 160	51160	230V~1ph	86	160 A	15/160	6,5	5	10,0	13
ANTARES 200	51200	230V~1ph	84	200 A	15/200	8,7	6,8	13,5	13
IRIS 150	61235	230V~1ph	70	140 A	10/140	5,7	4,3	9,0	14
IRIS 180	61245	230V~1ph	82	160 A	10/160	6,8	5,2	10,5	14
IRIS 220	61275	230V~1ph	71	200 A	10/200	8,7	6,8	13,5	14
MEGA 150	62235	230V~1ph	60	130 A	10/130	5,2	3,9	8,0	15
MEGA 180	62245	230V~1ph	82	160 A	15/160	6,8	5,2	10,5	15
MEGA 220	62275	230V~1ph	71	200 A	15/200	8,7	6,8	13,5	15
MIKRO 164	66264	230V~1ph	70	140 A	20/140	5,7	4,3	9,0	16
MIKRO 184	66284	230V~1ph	82	160 A	20/160	6,8	5,2	10,5	16
MIKROTIG 150	68250	230V~1ph	70	140 A	20/140	5,7	4,3	9,0	17
MIKROTIG 170	68270	230V~1ph	82	160 A	20/160	6,8	5,2	10,5	17
MIKROTIG 200	68300	230V~1ph	71	200 A	20/200	8,7	6,8	13,5	17
ELX 4000	67855	230V~1ph 127V~1ph	MMA 89 (230/127V) TIG 89/14 (230/127V)	MMA 160(230V)- 130(127V) TIG 160(230V)- 130(127V)	MMA 20/160-35/130 TIG 40/160-50/130	MMA 6,9(230V)- 5,0(127V) TIG 4,8(230V)- 3,5(127V)	MMA 5,2(230V)- 4,1(127V) TIG 3,5(230V)- 2,7(127V)	10,0	18
ELX7000	67875	230V~1ph 127V~1ph	MMA 89 (230/127V) TIG 89/14 (230/127V)	MMA 200(230V)- 130(127V) TIG 200(230V)- 130(127V)	MMA 15/200-35/130 TIG 30/200-50/130	MMA 9,2(230V)- 5,9(127V) TIG 6,4(230V)- 3,7(127V)	MMA 6,9(230V)- 4,0(127V) TIG 4,7(230V)- 2,7(127V)	14,0	18
EASYMIG 100	58800	230V~1ph	47	100 A	20/100	3,3	2,3	5,0	22
EASYMIG 120	58812	230V~1ph	22	100 A	20/100	3,2	2,4	5,0	23
EASYMIG 130	58820	230V~1ph	56	MIG 130 A MMA 100 A TIG 100 A	MIG 30/130 MMA 30/100 TIG 30/100	MIG 4,3 MMA 3,7 TIG 2,4	MIG 3,3 MMA 2,9 TIG 1,7	6,5	24
EASYMIG 160	58830	230V~1ph	56	MIG 150 A MMA 120 A TIG 120 A	MIG 30/150 MMA 30/120 TIG 30/120	MIG 5,1 MMA 4,6 TIG 3,1	MIG 3,9 MMA 3,5 TIG 2,2	8,0	24
EASYMIG 180	58840	230V~1ph	56	MIG 170 A MMA 140 A TIG 140 A	MIG 30/170 MMA 30/140 TIG 30/140	MIG 6,0 MMA 5,5 TIG 3,6	MIG 4,6 MMA 4,3 TIG 2,7	9,0	24
EASYMIG 180 EURO	58845	230V~1ph	56	MIG 170 A MMA 140 A TIG 140 A	MIG 30/170 MMA 30/140 TIG 30/141	MIG 6,0 MMA 5,5 TIG 3,7	MIG 4,6 MMA 4,3 TIG 2,8	9,0	25
MIKROMIG 1800	59840	230V~1ph	56	MIG 170 A MMA 140 A TIG 140 A	MIG 30/170 MMA 30/140 TIG 30/142	MIG 6,0 MMA 5,5 TIG 3,8	MIG 4,6 MMA 4,3 TIG 2,9	9,0	26
MIKROMIG 2000	59850	230V~1ph	55	200 A	15/200	MIG 7,6 MMA 8,8 TIG 6,1	MIG 6,0 MMA 6,8 TIG 4,7	13,5	27
PLASMA 40	53185	230V~1ph	270	40 A	20/40	5,8	4,9	9,0	30
ARC 160	51916	230V~1ph	60	140 A	20/140	5,9	4,5	9,0	54
ARC 180	51918	230V~1ph	60	160 A	20/160	6,9	5,3	10,5	54
ARC 250	51925	230V~1ph	65	200 A	20/200	8,5	7	13,0	55
Plus 210	55721	230V~1ph	90	200 A	40/200	8,5	6,5	13,0	56
Plus 250 TIG LIFT	55725	230V~1ph	65	220 A	40/220	9,6	7,4	14,5	57
PLUS 210 CELL	55730	230V~1ph	75	200 A	40/200	8,5	7	13,0	58
PRESIDENT 350	58550	400V~3ph	72	320 A	60/320	13,8	13,8	21,0	59
PRESIDENT 500	58600	400V~3ph	80	500 A	60/500	25,3	25,2	38,0	59

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DESCRIPTION	CODE								PAGE
MULTI MIKRO 160	59065	230V~1ph	MIG 72 MMA 72 TIG 13	MIG 160 A MMA 140 A TIG 140 A	MIG 20/160 MMA 20/140 TIG 20/140	5,5	4,2	8,5	62
MULTI MIKRO 200	59095	230V~1ph	MIG 87 MMA 87 TIG 13	200 A	20/200	8,2	6,7	12,5	63
SMARTMIG 2200	59190	230V~1ph	65	200 A	30/200	MIG 8,2 MMA 9,6 TIG 6,2	MIG 5,8 MMA 6,4 TIG 4,4	14,5	64
TRIS 250	N18190	230V~1ph	MIG 87 MMA 87 TIG 13	MIG 240 A MMA 200 A TIG 200 A	MIG 20/240 MMA 30/200 TIG 30/200	MIG 9,5 MMA 8,7 TIG 6,3	MIG 7,4 MMA 6,8 TIG 4,9	14,5	65
SYNERGY 250	N18200	230V~1ph	65	200 A	30/200	MIG 8,5 MMA 10 TIG 6,5	MIG 5,8 MMA 6,4 TIG 4,4	12,5	66
DOUBLE PULSE MIG 2500	59210	230V~1ph	MIG 60 MMA 60 TIG 11	200 A	MIG 30/200 MMA 20/180 TIG 20/180	MIG 7,6 MMA 7,1 TIG 5,2	MIG 5,8 MMA 5,5 TIG 3,7	11,5	67
MIG 352	N18331	230V~1ph	60	250 A	60/250	MIG 10,5 MMA 11,6 TIG 8,3	MIG 8,0 MMA 8,9 TIG 6,3	17,5	68
MIG 350	N18431	400V~3ph	60	250 A	60/250	MIG 13,5 MMA 13,8 TIG 10	MIG 11,3 MMA 11,4 TIG 8,5	21,0	68
MIG 500	N18471	400V~3ph	60	400 A	60/400	MIG 21,7 MMA 20,7	MIG 14,6 MMA 15,0	33,0	68
MIG 350 SWF SYNERGIC PULSE	N18715	400V~3ph	77	350 A	100/350	18		27,0	69
MIG 500 SWF SYNERGIC PULSE	N18720	400V~3ph	80	500 A	100/500	27		40,5	70
MIG 550 SWF SINERGIC DOUBLE PULSE	N18750	400V~3ph	97	500 A	100/500	26	22	39,0	72
TIG 200 I HF-DC PULSE	58195	230V~1ph	70	MMA 160 A TIG 200 A	MMA 20/160 TIG 17/200	MMA 6,9 TIG 6,4	MMA 5,2 TIG 4,8	12,0	74
TIG 200 AC/DC PULSE	58021	230V~1ph	52	200 A	MMA 20/170 (AC - DC) TIG 35/200 (AC) TIG 40/170 (DC)	MMA 8,6 TIG 6,0	MMA 8,9 TIG 6,4	13,0	75
TIG 210 AC/DC PFC	58201	230V~1ph	MMA 94 TIG 62	MMA 160 A TIG 210 A	MMA 35/160 TIG 35/210	MMA 5,6 TIG 5,7	MMA 5,6 TIG 5,8	9,0	76
TIG 320 AC/DC	58320	400V~3ph	72	320 A	MMA 20/320 TIG 35/320	MMA 12 TIG 8,5	MMA 7,6 TIG 6,3	18,0	78
GLOBAL 300	53210	230V~1ph	MIG TIG MMA 72 PLASMA 270	TIG 200 A MMA 160 A MIG 200 A PLASMA 40 A	TIG 30/200 MMA 35/160 MIG 25/200 PLASMA 40/40	8		12,0	82
PLASMA 40K	53189	230V~1ph	270	40 A		5,8	4,9	9,0	86
PLASMA 80	53080	400V~3ph	320	320 A	60/80	14		21,0	87
PLASMA 120	53100	400V~3ph	320	320 A	60/100	17,8		27,0	87
Unimig 250	N14101	230V~1ph 400V~3ph	16-37	240 A	25/240	10,3	7,2	15,5	90
Unimig 270	N14151	230V~1ph 400V~3ph	17-36	270 A	25/270	12,5	8,7	19,0	90
Unimig 300	N14253	400V~3ph	17-40	300 A	35/300	14,9	10,4	22,5	91
Unimig 350	N15060	400V~3ph	17-44	350 A	35/350	17,4	12,2	26,5	91
Unimig 350 SF4	N15110	400V~3ph	17-44	350 A	35/350	21,2	14,8	32,0	92
Unimig 374 SF4	N15153	400V~3ph	17-44	350 A	35/350	21,2	14,8	32,0	92
Unimig 450 SWF	N16450	400V~3ph	17-48	450 A	35/450	28,8	20,2	43,5	93
Unimig 550 SWF	N16550	400V~3ph	15-50	550 A	35/550	38,5	26,9	58,0	93

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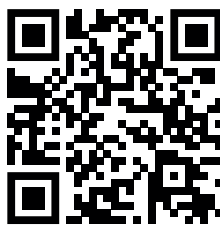
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