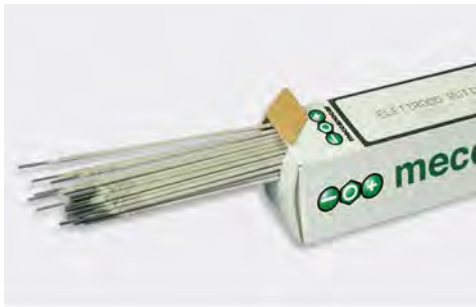


Rutile electrodes for common steels



Posizioni saldatura:

Corrente: AC/DC -

Approvazioni e Classificazioni	Composizione chimica %	Caratteristiche meccaniche
CE, EN 13479 SFA/AWS A5.1: E6013, EN ISO 2560-A, E38 0 R 12	C: 0,06 – Mn: 0,4 - P: 0,02 S: 0,01 – Cr: <0,1 - Ni: <0,1 Mo: <0,1 – Nb: 0,1 – Cu: <0,1 V: 0,01	Rs: 360 N/mmq Rm: 500 N/mmq KV: 40 Joule a 0°C

- Electrode with rutile coating of medium thickness.
- Type easy to use, sliding and of great aesthetic.
- Arco sweet and quiet, splashing almost 'non-existent, slag that detach themselves. Ignition and re-ignition very easy.
- The features and the kind it can be used in any general work and any construction on average solicited.
- Indicated for works of small and medium carpentry, for structural steels, and for pressure tanks.

Code	Desc.	D mm	L mm
4020000300	513	2	250
4020000400	521	2.5	260
4020000500	539	3.25	360

Rutile coated red for common steels



Posizioni saldatura:

Corrente: AC/DC -

CLASSIFICAZIONI	COMPOSIZIONE CHIMICA VALORI TIPICI %	CARATTERISTICHE MECCANICHE DEL DEPOSITO
	C: 0,07 Si: 0,4 Mn: 0,5	Rs: 360 N/mmq Rm: 500 N/mmq δS: 24% KV: 40 J a 0°C

- Coating electrode with rutile medium thickness with the addition of Fe₂O₂ that, in addition to the particular red coloration, gives a better performance to the electrode.
- Type easy to use, sliding and of great aesthetic.
- Arco sweet and quiet, splashing at unsustainably debris that fall off by themselves. Ignition and re-ignition very easy.
- The features and the kind it can be used in any general work and any construction on average solicited.
- Indicated for works of small and medium carpentry, for structural steels, and for pressure tanks.

Code	Desc.	D mm	L mm
4020002200	624	2.5	300

Basic electrodes for mild steel



Posizioni saldatura:

Corrente: AC/DC -

Approvazioni e Classificazioni	Composizione chimica %	Caratteristiche meccaniche
ABS: 3Y H5, BV: 3YH5 CE: EN 13479 DNV: 4YH5 GL: 4YH5 LR: 3YH5 RINA: 4YH5 VdTUV: 11813 SFA/AWS A5.1: E7018-1 H4R: EN ISO 2560-A E 42 4 B 32 H5	C: 0,07 Si: 0,51 Mn: 1,16 P: 0,016 S: 0,006 Cr: 0,03 Ni: 0,02 Nb: <0,1 Cu: <0,1 V: 0,02	Rs: 500 N/mmq Rm: 570 N/mmq KV: 70 Joule

- Ellettrodo Basic coating of medium thickness.
- Low hydrogen, of consistently high quality, with excellent mechanical properties.
- Welding of responsibility and of the greatest importance mechanical, radiographic and sealing.
- Recommended in all cases of welding of structures with high-quality steels with lower carbon contents up to 0.30% and with impurities such as sulfur and phosphorus.
- It is used for shipbuilding, railway industries, vehicles, pressure pipes, tanks and high-pressure boilers, heavy carpentry, bridges, etc..
- Approval: RINA-ISPESL.

Code	Desc.	D mm	L mm
4020000600	329	2.5	350
4020000700	337	3.25	450
4020007900	1902345	4	450

Basic electrodes for hardfacing



- Basic electrode with excellent weldability in all positions.
- Excellent performance both in direct current (+ pole) and alternating current.
- Suitable for welding of steels tough, high sulfur or rusty. It presents a bead of good appearance.
- Designed for all maintenance and repair.
- It is used for shipbuilding, welding of boilers, pressure vessels as well as repairs of vehicle frames, machines and pipes for heating.



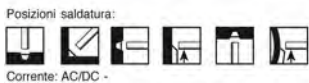
Approvazioni e Classificazioni	Composizione chimica %
EN 14700 E Z Fe 2	Mn: 0,4 Mo: 0,5 C: 0,46 Si: 0,5 Cr: 6,0

Code	Desc.	D mm	L mm
4020003500	537	3,25	350

Electrodes for welding stainless steel 308



- Rutile electrode giving a deposit of austenitic stainless steel type 19/9 with very low carbon content.
- Excellent operation both in direct current and in alternating current.
- Suitable for welding of stainless steels meet the following classifications: AISI 301, 302, 304, 304L, 308, 321, 347.



Approvazioni e Classificazioni	Composizione chimica %	Caratteristiche meccaniche
EN ISO 3581-A; E 19 9 L R 12 SFA/AWS A5.4; E308L-17 CSA W48; E308L-17 Werkstoffnummer: 1.4316	C: 0,03 Si: 0,84 Mn: 0,7 O: 0,02 S: 0,007 Cr: 19,5 Ni: 9,7 Mo: 0,04 Cu: 0,06 N: 0,08 FN WRC-92: 6,0	Rs: 430 MPa Rm: 580 MPa KV: 70 Joule a +20°C

Code	Desc.	D mm	L mm
4020000990	117	2	300
4020001000	125	2,5	300

Electrodes for welding stainless steel 316



- Titanium electrode giving a deposit of austenitic stainless steel type 19/12 with a very low carbon content.
- Good operating characteristics both in direct current and in alternating current.
- Suitable for welding of stainless steels meet the following classifications: AISI 316, 316L, 202, (317).



Approvazioni e Classificazioni	Composizione chimica %	Caratteristiche meccaniche
EN ISO 3581-A; E 19 12 3 L R 12 SFA/AWS A5.4; E316L-17 CSA W48; E316L-17 Werkstoffnummer: 1.4430	C: 0,03 Si: 0,73 Mn: 0,6 P: 0,021 S: 0,009 Cr: 18,8 Ni: 11,3 Mo: 2,7 Cu: 0,07 N: 0,14 FN WRC-92: 4	Rs: 460 MPa RS: 570 MPa KV: 60 Joule a +20°C

Code	Desc.	D mm	L mm
4020002400	216	2	300
4020002410	217	2,5	300

Welding inverter electronic 140-160 A



- Electronic welding machines portable inverter technology for welding with coated electrodes. Suitable for welding of iron and stainless steel TIG with contact striking. Power single-phase current 220 Volts 50 Hz.
- Indicate for each type of processing, especially on construction sites thanks to their portability and light weight and low current consumption. Be powered by motor generators type stabilized adequate power.
- The version 1425M has a power supply circuit reinforced for use with motor-generators is not stabilized or in areas where there are significant power surges harmful to electronic machines Classic.
- Constructed entirely of painted steel frame, internal motherboard with forced cooling fan, frontal attacks DINSE 25 standards for the application of any type of cable of 16-25 sq mm.
- The machines are supplied in a cardboard box, without accessories. For cables is available our kit code 402 00 01350-11K or loose components for building customized. The availability of masks is large and varied models manual to automatic darkening.

Code	Desc.	Model
4020017090	1425	Portable welding inverter 220 Volts 140 A
4020017100	1625	Portable welding inverter 220 Volts 160 A
4020017110	1425M	Portable welding inverter 220 Volts 140 A "motor generator"

Caratteristiche Tecniche			
Modello	1425 - 1425M		1625
Alimentazione	220 Volts - 50 Hz		220 Volts - 50 Hz
Potenza	2,5 kW		3 kW
Corrente di saldatura	10 - 140 A		10 - 160 A
Fattore di servizio	20% 60% 100%	130A 90A 70A	20% 60% 100% 150A 105A 90A
Elettrodi utilizzabili	1,6 - 3,2 mm		1,6 - 4 mm
Norme di costruzione	EN60974-1 EN60974-10		EN60974-1 EN60974-10
Dimensioni	135 X 290 X 230h mm		135 X 290 X 230h mm
Peso	4,5 Kg		4,8 Kg

Cable kit for welding coated electrodes



- Cables for arc welding with coated electrodes.
- Content: clamp electrode holder with cable 3 m long, clamp with cable length of 2 m.
- Cables neoprene section of 25 mm².

Code	Desc.
4020001350	11 K

Hammer for welders



- Hammer two-headed welder.
- For removing welding slag.
- Iron grip.

Code	Desc.
4430045642	602

Copper cable for welders



- Unipolar wire copper coated neoprene extra flexible.
- Construction and marking according to current regulations.

Code	Desc.	Sez. mmq	D. est. mm
4020011950	12800	25	10
4020012000	12900	50	13
4020012100	13000	70	16

Male connectors for welding



- Male connectors for connecting the cables to the welding.
- Available in three sizes for different cable sections.

Code	Desc.	For sect. cables mmq	D mm
4020001300	10-25	25	9
4020001310	10-50	50	13
4020001320	10-70	70	13

Pliers electrode holder



- Pliers electrode holder completely isolated.
- Suitable for intensive use with excellent characteristics of fastening of the electrode.
- High impact resistance.
- Complies with CE EN 60974-11
- Insulation class: B.

SIMBOLI TECNICI	600
	520 A al 35 %
	MAX 50 mm ²
	MAX 8 mm

Code	Desc.	Weight gr.	For electrodes diam. Max. mm	A (35%)	Sezione max cavo mmq
4020001050	300	315	4,0	250	35
4020001100	600	580	8,0	500	50

Clamp for mass



- Clamp for mass pressed steel.
- Spring locking.
- Copper and brass contact strip of a copper connection.

Code	Desc.
4020001200	400

Brass clamp for mass



- Earth clamp designed for use industrialie very intense.
- Made entirely of cast brass for maximum electrical and thermal conductivity.
- Securing the cable made by brass screws.

Code	Desc.
4020001250	400/BR

Tig welding torch



- Torch complete with cable and connection for the welding process "TIG" (Tungsten Inert Gas).
- Equipped with a valve for regulating the flow of the gas.
- Cable length of 4 m.
- To be used in conjunction with bottled gas "Argon" through pressure reducer type ns. art. 402 00 11,500 to 12,140.
- Supplied as standard for use with Ø1.6 electrodes, for use with electrodes ø2.4 provide pliers and calliper ns. Articles. 402 00 11750 to 12400, 11850 to 12600 00 402.

Code	Desc.	Length m
4020011300	12-TIG	4

Tungsten electrodes for TIG welding



- Tungsten electrodes for welding process "TIG".
- Models available: with 21% thorium specific for stainless and steel.
- Available in two diameters.

Code	Desc.	Ø mm	Tipo elettrodo	Color
4020011400	13 - 1.6/T	1.6	THORIATED	Red
4020011410	13 - 2.4/T	2.4	THORIATED	Red
4020011440	16 - 1.6	1.6	PURE	Green
4020011450	16 - 2.4	2.4	PURE	Green

Ceramic gas diffuser for TIG torch



- Diffuser ceramic parts for our torch code 402 00 11300-12 / TIG.
- The hole diameter of the gas outlet 8 mm.

Code	Desc.
4020011650	12200

Pliers holders for TIG torch



- Pliers holder turned brass for our torch cod. 402 00 11300-12 / TIG.
- Available for two diameters of electrode.

Code	Desc.	Cutting capacity
4020011700	12300	1.6
4020011750	12400	2.4

Pliers for TIG torch



- Pliers turned brass for our torch cod. 402 00 11300-12 / TIG.
- Available for two diameters of electrode.

Code	Desc.	Cutting capacity
4020011800	12500	1.6
4020011850	12600	2.4

Pens parts for TIG torches



- Pens long and short parts for TIG torch cod. 4020011300 and 4020014800.

Code	Desc.	Length mm	Photo
4020011310	12L	100	2
4020011320	12C	7	1

Filler chopstick for TIG welding of aluminum



LEGHE ALLUMINIO-SILICIO

CLASSIFICAZIONI	COMPOSIZIONE CHIMICA VALORI TIPICI %
AWS A5.10: ER 4013 DIN 1732 SG- Al Si 5 W n° 3.2245	Fc 0.30 Si 5.00 Mg 0.05 Al 93.00

LEGHE ALLUMINIO-MAGNESIO

CLASSIFICAZIONI	COMPOSIZIONE CHIMICA VALORI TIPICI %
AWS A5.10: ER 5356 DIN 1732 SG- Al Mg 5 W n° 3.3556	Fc 0.30 Si 0.20 Mg 5.00 Al 93.00

- Filler material in chopsticks for welding with TIG method of aluminum and its alloys.
- Available for aluminum-silicon alloys and aluminum-magnesium.

Code	Desc.	Dimensions mm	Alloy
4020012200	13100	2.4x1000	Al-Mg
4020012210	13105	2.4x1000	Al-Si

Filler chopstick for TIG welding of stainless steels



Acciaio AISI 308

CLASSIFICAZIONI	COMPOSIZIONE CHIMICA VALORI TIPICI %	CARATTERISTICHE MECCANICHE DEL DEPOSITO
AWS A5.9: ER308L DIN 8556 X2CrNi9-9	C = 0.025 Si = 0.40 Mn = 1.80 Cr = 20.00 Ni = 10.00	Rm = 530 N/mmq. Rs = 400 N/mmq. A(50) = 40% KV = 130 J

Acciaio AISI 316

CLASSIFICAZIONI	COMPOSIZIONE CHIMICA VALORI TIPICI %	CARATTERISTICHE MECCANICHE DEL DEPOSITO
AWS A5.9: ER316L	C = 0.025 Si = 0.40 Mn = 1.60 Cr = 18.50 Ni = 12.50	Rm = 530 N/mmq. Rs = 390 N/mmq. A(50) = 35% KV = 130 J

- Filler material in chopsticks for welding with TIG method of stainless steel AISI 308 and 316.
- Excellent resistance to chemical corrosion, low carbon content.

Code	Desc.	Dimensione mm	AISI steel
4020012850	13165	1,6x1000	308
4020012900	13170	2x1000	308
4020013000	13180	2x1000	316

Filler chopstick for TIG welding of carbon steel



- Filler material into rods for TIG welding with carbon steel.
- Excellent mechanical properties and toughness.

CLASSIFICAZIONI	COMPOSIZIONE CHIMICA VALORI TIPICI %	CARATTERISTICHE MECCANICHE DEL DEPOSITO
AWS A5.18 ER70S-3 DIN 8559WSG1	C = 0.007 Si - 0.60 Mn = 1.20	Rm = 520 N/mmq. Rs = 420 N/mmq. A(50) = 29% Kv = 80J

Code	Desc.	Dimensions mm
4020012800	13160	2x1000