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**CEA**

**MIG/MAG**

made in italy  
**SINCE 1950**





## CONVEX / CONVEX PULSE

### PROFESSIONAL WELDING EQUIPMENT (AVAILABLE FROM JUNE 2026)

#### MIG-MAG INVERTER COMPACT EQUIPMENT

CONVEX and CONVEX PULSE are multiprocess compact power sources for welding in MIGMAG, MMA and TIG with "Lift" mode. Technologically ahead, robust and easy-to-use, they offer excellent quality welding in MIG/MAG and, only for CONVEX PULSE models, also in PULSED MIG and in DUAL PULSE.

#### CONVEX



#### CONVEX PULSE



## Simple, powerful and compact

CONVEX and CONVEX PULSE equipment allow also less experienced operators to easily adjust all welding parameters in an intuitive way. Once the wished program is selected, the welding control automatically determines the best parameters based on the material type, wire diameter and gas.



## Multi-process with great performance

These power sources represent the best choice in all industrial fields for all qualified applications requiring high precision and repeatability of the welding results especially in light fabrication work and car body repair.

## Other characteristics

- MMA – TIG LIFT – MIG/MAG Synergic & Manual and for CONVEX PULSE: PULSED MIG and DUAL PULSE
- Smart PROGRAM key for quickly selecting any program
- Lodging for wire spools up to Ø 300 mm
- Feeding mechanism with 4 rolls of large diameter for a precise and constant wire driving
- Double groove rolls replaceable without any tool
- “Energy saving” function to operate the power source cooling fan and torch water cooling only when necessary



## TECHNICAL FEATURES

### STANDARD PACKAGE

SYNERGIC PROGRAMS Fe - CrNi - AlMg - AlSi

### PREMIUM PACKAGE

SYNERGIC PROGRAMS Fe - CrNi - AlMg - AlSi - CuSi3

AlBz8 - FCW (Rutil - Basic - Metal) Duplex - Super Duplex



### CONVEX: STANDARD AND PREMIUM

STANDARD PACKAGE:

SYNERGIC PROGRAMS

Fe - CrNi - AlMg - AlSi

PREMIUM PACKAGE:

SYNERGIC PROGRAMS

Fe - CrNi - AlMg - AlSi - CuSi3 - AlBz8 - FCW (Rutil - Basic - Metal) Duplex - Super Duplex

vision.COLD

for low heat transfer MIG/MAG welding

vision.ULTRASPEED

to weld small and medium thickness at a far higher speed

E.C.P. - Extra Curve Package

### VISION.ARC

Thanks to vision.ARC, the electric arc is monitored continuously by the microprocessor which manages the welding process in real time: all the parameters are processed and modified by the control that digitally manages the short circuits of MIG-MAG, keeping the arc stable and precise despite any change of the external conditions. The welding process is always under control from arc striking, by Wire Start Control (WSC), to when the arc is interrupted by Burn-Back Control.



### VISION.PULSE

vision.PULSE allows a constantly controlled short arc pulse welding, by optimizing the results of traditional pulse welding. This enables to reduce the high heat input, typical in pulse welding, with a consequent reduction in distortions, an improvement off the puddle and considerable increase in welding speed too.

### DUAL.PULSE

Dual.PULSE favours a further reduction in the heat transfer to the workpiece by minimizing its deformation and it produces premium quality aesthetic beads similar to TIG finishing. Dual.PULSE is extremely useful when welding aluminium and stainless steel.





### **WSC - WIRE START CONTROL**

WSC wire start control prevents any possible wire sticking to the workpiece or torch nozzle, by always ensuring a precise and "soft" arc striking.

### **BURN-BACK CONTROL**

At the end of each weld, in any condition and with any metal, the digital control ensures a perfect wire cut thus avoiding the formation of the typical "wire globule" by ensuring the subsequent best arc striking.



Available accessories

## DISCOVER ALL AVAILABLE ACCESSORIES



**HRX 52**  
032130



**CEA CL-1100**  
402275A



**WK 3 EXTRA-LARGE  
WHEELS KIT FOR Q-YARD**  
031008



**TROLLEY CT 46**  
234907



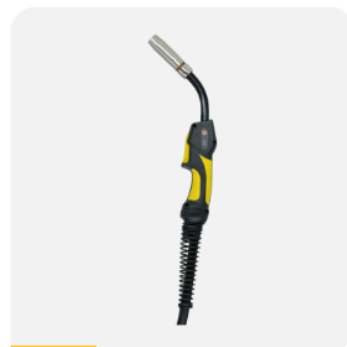
**TROLLEY CT 70**  
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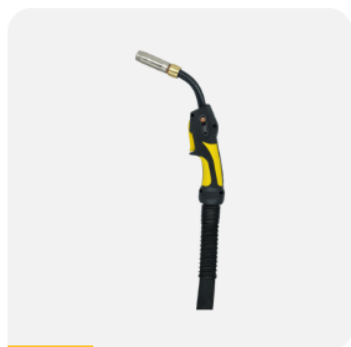
**TROLLEY PRIME CT 80**  
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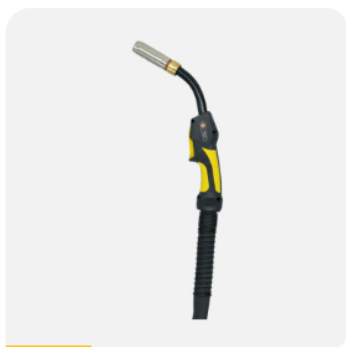
**BK 1 ACCESSORY BOX KIT**  
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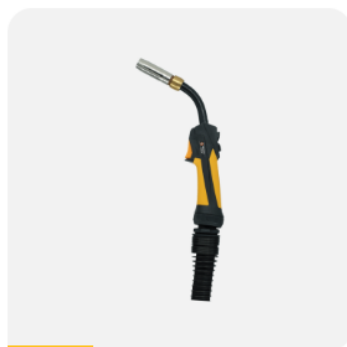
**CEA TORCH CX 353/4**  
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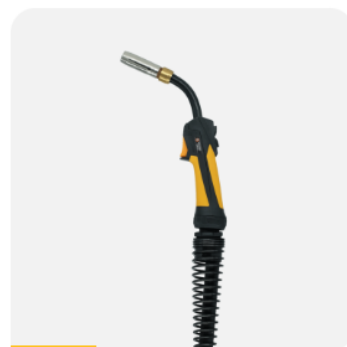
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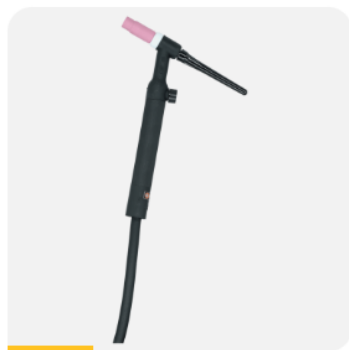
**CEA TORCH CXH 402/4**  
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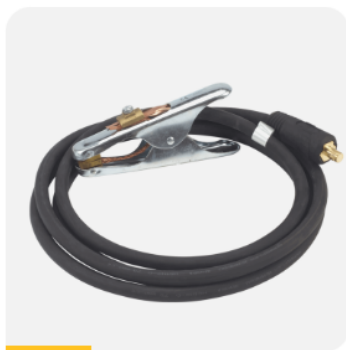
**CEA TORCH CXH 302/4  
UP/DOWN-17P**  
021005



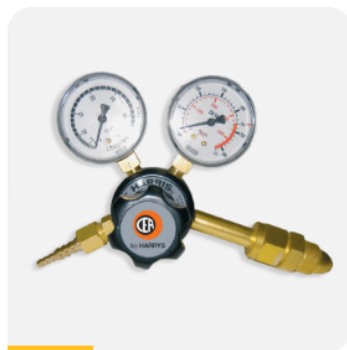
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UP/DOWN-17P**  
021006



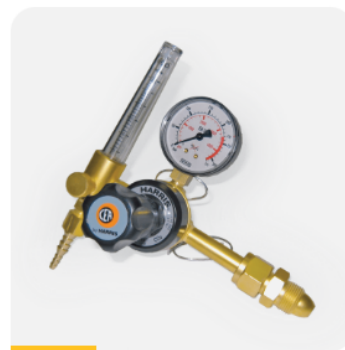
**CEA TORCH RTX 26.4**  
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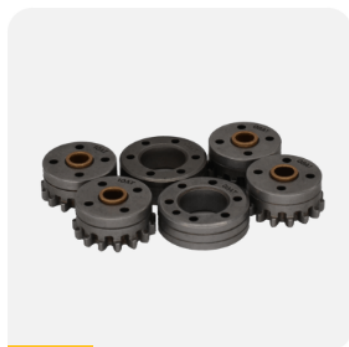
**50 MM² / 4 M GROUND  
CABLE WITH CLAMP**  
239603



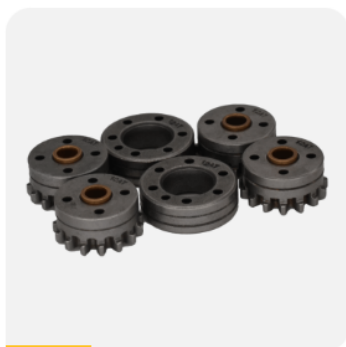
**REDUCER WITH 2  
MANOMETERS**  
020855



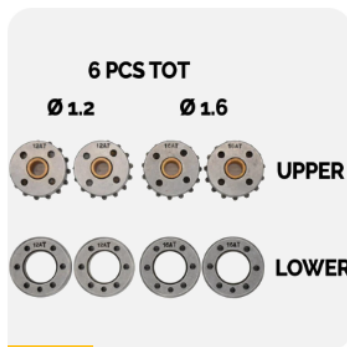
**REDUCER WITH  
FLOWMETER AND 1  
MANOMETER**  
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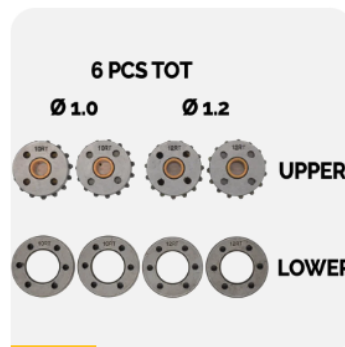
**KIT FOR ALUMINIUM WIRE  
Ø 0,8 / 1,0**  
030895



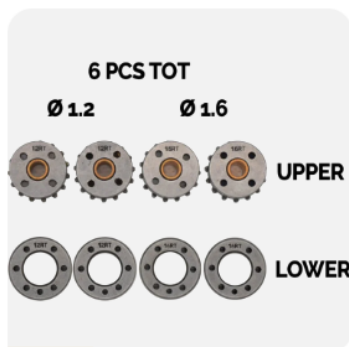
**KIT PER ALLUMINIO Ø 1,0  
/1,2**  
030897



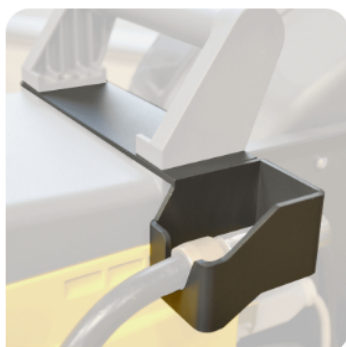
**KIT PER ALLUMINIO Ø 1,2  
/1,6**  
030899



**FLUX CORED KIT OF  
SINGLE GROOVED TWIN  
ROLLS (Ø: 1,0)**  
030829



**FLUX CORED KIT OF  
SINGLE GROOVED TWIN  
ROLLS (Ø: 1,2)**  
030821



**TS2 – TORCH SUPPORT  
KIT**  
031132



**DFX5**  
353486

Datasheet

## CONVEX / CONVEX PULSE: TECHNICAL FEATURES

| TECHNICAL DATA                   |        |              | CONVEX                                | CONVEX PULSE    |
|----------------------------------|--------|--------------|---------------------------------------|-----------------|
|                                  |        |              | 351                                   | 355             |
| Three phase input 50/60 Hz       | V      | +10%<br>-10% | 400                                   | 400             |
| Input Power @ I <sub>2</sub> Max | kVA    |              | 19,7                                  | 19,7            |
| Delayed Fuse (I eff)             | A      |              | 20                                    | 20              |
| Power Factor / cos φ             |        |              | 0,64/0,99                             | 0,64/0,99       |
| Efficiency Degree                |        |              | 0,88                                  | 0,88            |
| Open circuit voltage             | V      |              | 63                                    | 63              |
| Current range                    | A      |              | 10 – 350                              | 10 – 350        |
| Duty cycle at (40°C)             | A 100% |              | 250                                   | 250             |
|                                  | A 60%  |              | 280                                   | 280             |
|                                  | A 30%  |              | 350                                   | 350             |
| Wires                            | Ø mm   |              | 0,6 – 1,6                             | 0,6 – 1,6       |
| Coil                             | Ø mm   |              | 300                                   | 300             |
| Standards                        |        |              | EN 60974-1 • EN 60974-5 • EN 60974-10 |                 |
|                                  |        |              | <b>S</b>                              |                 |
| Protection Class                 | IP     |              | 23S                                   | 23S             |
| Dimensions (LxWxH)               | mm     |              | 725 x 310 x 525                       | 725 x 310 x 525 |
| Weight                           | kg     |              | 43                                    | 43              |



WELDING TOGETHER

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