

With inverter technology, the GYSARC 400 TRI is a 3-phase MMA (SMAW) / TIG (GTAW) welding power source with exceptional welding performance. Featuring advanced electronics, this product guarantees maximum productivity, even in harsh environments. Its switchable Voltage Reduction Device (VRD) protects the welder in hazardous areas (mines, chemical and petrochemical installations, shipyards, etc.).

MMA (SMAW) / TIG Lift (GTAW)

- **MMA (SMAW)** : rutile (6013), basic (7018) and cellulosic (6010) electrodes (up to Ø6 mm)
- **Arc gouging** with carbon electrodes (up to Ø6.4 mm),
- **TIG (GTAW)** process with LIFT arc ignition (Ø1.0 to 3.2 mm).

WELDING AIDS

- **Adjustable Hot Start** for a better arc ignition.
- **Adjustable Arc Force** : temporary current increase when welding in difficult situations.
- **Antisticking** : reduce the risk of the electrode sticking to the metal when in contact.

HEAVY DUTY

- **High duty cycle** : 400A @ 60%.
- **High no-load voltage** (84V) for a good arc dynamic and to facilitate the arc ignition for cellulosic (6010) electrodes.
- **Optimised cooling** thanks to the air-tight ventilation corridor that helps insulating the electronic components from the dust.

SIMPLE AND ACCESSIBLE

- Current / voltage display when welding.
- **Intuitive display** with knobs designed to be operated while wearing gloves.
- Optional remote control (ref. 045675).

WELDER'S PROTECTION

- **VRD** (Voltage Reduction Device) can be activated via an internal switch to lower no-load voltage down to 20V for safety reasons.

STURDY

- Reinforced structure.
- 2 steel handles for easy manipulation.
- IP 23 classification for outside use.

ACCESSORIES (options)



MMA kit
500A - 4 m - 50 mm²
047419



RC-HA1 - 8 m
Remote control
045675



Gouging torch
1 000A - 5.6 bars
041516



Adaptater
5 m - 70 mm²
040670



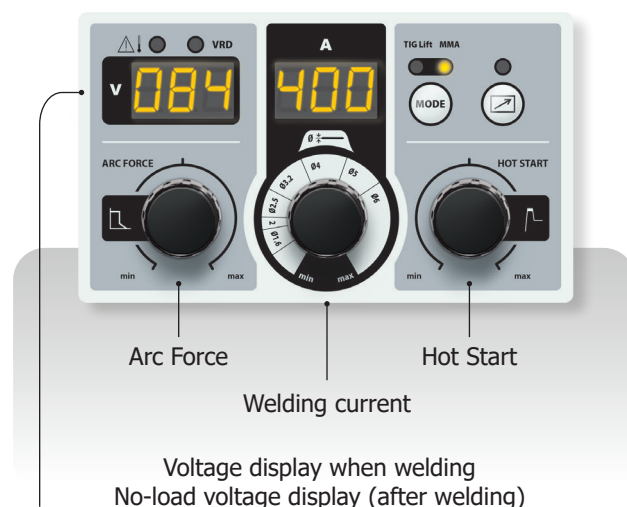
Gouging electrode
Ø6.4 (x 50)
086081



Trolley JOB SITE XL
039568



Supplied without accessories



Gouging accessories:

50/60 Hz	A	I ₂ MMA A	I ₂ TIG A	INTEGRATED TECHNOLOGY						EN 60974-1 (40 °C) X (40 °C)	U ₀ V	cm	kg	IP	Protected & compatible power generator (+/-15%)
				HS	AF	TIG Lift	SR	AD	CEL						
400 V - 3~	32	20 → 400	20 → 400	▪	▪	▪	▪	▪	▪	400 A @ 60 % 350 A @ 100 %	84	58 x 52 x 30	37,5	IP 23	30 kW 36 kVA

French
manufacturer
since 1964



www.gys.fr



EXAGON 400 CC/CV

7 in 1 multiprocess inverter



EXAGON 400 CC/CV

Powered by inverter technology, the EXAGON 400 combines MMA, MIG-MAG & TIG in a single machine, offering exceptional welding performance. Featuring advanced electronics and a reinforced structure, this station guarantees maximum productivity, even in the most hostile environments. Powerful, sturdy and versatile, the EXAGON 400 takes welding to the next level.

The Exagon responds to the industry needs for quality, speed and reliability offering truly powerful inverter technology in a single machine.

It is a 7 in 1 multiprocess machine which provides the flexibility of performing multiple welding functions in just one machine.



The unit provides increased productivity through its high duty cycle (400A @ 60%) and optimised cooling due to the air tight ventilation that helps to isolate the electronic components from dirt and dust all secured within an IP23 robust designed casing.

The Exagon delivers reliable power and responds to the intensive needs of hostile environments as it is truly customisable through various machine options that allow the Exagon to adapt to user requirements and applications.



Primary setting:
• Current (MMA, TIG)
• Voltage (Mig-Mag, gouging)

Secondary setting:
• Arc force (MMA)
• Inductance (MIG-MAG)

- 1 MMA
- 2 MMA • PULSE
- 3 TIG DC LIFT
- 4 GOUGING
- 5 MIG • Portable feeder
- 6 MIG • Wire feeder
- 7 TIG HF • Exatig

Key Features:

- Large display that is ultra bright with anti-glare and lockable key pad.
- The controls have been designed with the user in mind so are easily adjustable even with gloved hands.
- Over 50 pre-set jobs can be stored.
- Jobs can be retrieved swiftly through the Quick Load feature. Enabling the user to access the pre-set job through the click of the torch trigger.
- VRD – Voltage reduction device for safe use.

Applications:

- Hire fleets
- Offshore/Pipeline
- Naval
- Construction
- Fabrication workshops

Options for EXAGON 400 CC/CV

A complete accessories range has been developed to ensure the user an optimal welding experience.



EXAFEED ref: 032408

Multi voltage output for remote controls and push pull torches: 24-48V
Rollers: 4
Dimensions: 675 x 300 x 230 mm
Weight: 19kg



EXACOOOL ref: 032422

1000W
5.5 Ltr capacity



EXATIG ref: 013780

- The controls have been designed with the user in mind so are easily adjustable even with gloved hands.
- Over 50 pre-set jobs can be stored.

- Jobs can be retrieved swiftly through the Quick Load feature. Enabling the user to access the pre-set job through the click of the torch trigger.

- VRD – Voltage reduction device for safe use.



NOMADFEED 425-4 ref: 036291

50/60 Hz: 16-110 V dc
Wire reel size: 10kg & 15kg
Rollers: 4
Weight: 16kg



CONNECTION CABLE AIR COOLED

5m	70mm ²	ref: 047587
10m	70mm ²	ref: 047594
10m	95mm ²	ref: 047600
15m	95mm ²	ref: 038349
20m	95mm ²	ref: 038431



CONNECTION CABLE LIQUID COOLED

1.8m	70mm ²	ref: 037243
5m	70mm ²	ref: 047617
10m	70mm ²	ref: 047624
10m	95mm ²	ref: 047631
15m	95mm ²	ref: 038448
20m	95mm ²	ref: 038455



RC-HA2
ref: 047679

Analog deported control - 10 m



Filter kit
ref: 046580



TROLLEY
ref: 032736

1150 x 1200 x 515mm
Size: 10m³



JOBSITE XL
ref: 039568

600 x 1150 x 584mm
Size: 10m³





Technical features

Whatever the intended use, the EXAGON 400 CC/CV enable to build the most suitable configuration for your requirements.



		EXAGON 400
Supply voltage 400		400 V +/- 15%
Delay fuse		32 A
Duty cycle to 40°C	60 %	400 A
	100 %	350 A
Current range and welding voltages	MMA	20 A/20.8 V - 400 A/36 V
	MIG-MAG	15 A/14.75 V - 400 A/34 V
	TIG	10 A/10.4 V - 400 A/26 V
Vacuum voltage		84 V
Operating temperature range		-10 ... +40 °C
Operating temperature storage		-20 ... +55 °C
Protection rating		IP23
CEM class		A
Dimensions		580 x 520 x 300 mm
Weight		32 kg



		EXAFEED 4L
Supply voltage		U ₁₁ = 48 V - 2 A U ₁₂ = 24 V - 1 A
Duty cycle to 40°C	60 %	500 A
	100 %	400 A
Wire speed		1 - 22 m/min
Moto wire feeder		4 drive rolls
Drive rolls diameter		37 mm
Filler wires	∅ Fe, steel inox	0.6 - 1.6 mm
	∅ cored wire	0.9 - 2.4 mm
	∅ aluminium	1.0 - 1.6 mm
Coil of wire	weight / ∅ min.	5 kg - 200 mm
	weight / ∅ max.	18 kg - 300 mm
Protection rating		IP23
Dimensions		675 x 300 x 230 mm
Weight		19 kg



		EXACOOOL
Supply voltage		400 V +/- 15%
Delay fuse		5 A
Cooling capacity		1 kW
Maximal pressure		4 bars
Capacity		5.5 l
Protection rating		IP23
Dimensions		680 x 300 x 230 mm
Tare weight		17 kg

The **MULTIWELD 320T** is a semi automatic tri-phase welding machine, combining **MIG/MAG**, cored wire and **MMA** welding processes. Its intuitive interface integrates digital displays for easy and precise adjustment. Fitted with a powerful and precise 4 drive roll feeding system, the **MULTIWELD 320T** is perfect for welding \varnothing 1.2 mm wire without difficulty. Its welding performance is impeccable even when using aluminium.

MULTIPROCESS

- **MIG/MAG welding :**
 - steel wire: \varnothing 0.6 to 1.2 mm
 - stainless steel wire: \varnothing 0.8 to 1.2 mm
 - aluminium wire: \varnothing 0.8 and 1.0 mm
 - cored wire (reverse polarity): \varnothing 1.9 to 1.2 mm
- **MMA welding:** basic and rutile electrodes (up to \varnothing 6 mm).

OPTIMISED MIG/MAG SETTINGS

- **Choice of the trigger mode:** 2T or 4T.
- **Welding guide:** tables assist the user to adjust and fine tune the voltage and the diameter of the filler wire according to the thickness of material being welded.

INTUITIVE

- **Display readable** even in bright light.
- **Simple user interface** with ergonomic controls allowing gloved use.



Supplied without accessories (062467)

INTEGRATED WIRE FEEDER

- Compatible with reels : \varnothing 200 / 300 mm
- Wire feeder with 4 rollers for an efficient wire feeding.
- EURO torch connector for quick assembly/disassembly.

PRE-HEATING, PURE CO2

- Pre-installed socket (36 V - 4.2 A) for gas heater in pure CO2 welding (heater not included).
- Compatible with US (type A) and EURO electrical sockets (type C/E/F).

STURDY

- Reinforced structure.
- Reinforced wheels for better stability and movement.
- Support for gas cylinder up to 4 m³.



Welding voltage

Arc dynamic

MIG/MAG: Wire speed (3 > 18 m/min)

MMA: Welding power

ACCESSORIES (option)

350 A	
STEEL / STAINLESS STEEL	ALUMINIUM
290 A (60%)	290 A (60%)
3 m 4 m	3 m 4 m
040687 040946	040731 040953


Earth clamp
400 A - 4 m - 35 mm ²
043817


Electrode holder
300 A - 4 m - 35 mm ²
043862





Drive rolls type B

Steel / Stainless steel	\varnothing 0.6 / 0.8	042353
	Aluminium	042360
	Cored wire	046849
Alu	\varnothing 0.8 / 1.0	042377
	\varnothing 1.0 / 1.2	040915
Cored wire	\varnothing 0.9 / 1.2	042407

Regulator



30 l/min
041622
041219
041646

50/60 Hz	EN	EN	EN	GAS NO GAS		200 300	\varnothing mm	Electronic Control	m/min	équipé d'origine / original equipment / originalausstattung / equipamiento de fabrica	EN 60974-1 (40°C)	U ₀	cm	kg	IP	Protected & compatible power generator (+/-15%)
400V 3~	16	40 → 300	40 → 320	0,6 - 1.2	0,9 - 1.2	✓ ✓	2 → 6		3.0 - 18,0		X (40°C)	V	77 x 79 x 47	44	IP 21	10 kVA

The NEOMIG-i 500 G is a three-phase, multi-process power source with separate wire feeder. Its advanced digital technology and duty cycle ensure excellent arc characteristics for industrial MIG/MAG applications. The integrated synergies make set-up considerably easier, and reduce spatter during welding. When equipped with the WF wire feeder, the machine offers precise control of the welding parameters in order to deliver the best possible results.

MULTI-PROCESS

- **MIG/MAG:**
 - steel and stainless steel wire: Ø 0.6 to 1.6mm
 - aluminium wire: Ø 0.8 to 1.6mm
 - CuSi and CuAl wire: Ø 0.8 to 1.6mm
 - cored wire (polarity reversal) : Ø 0.9 to 2.4mm
- **MMA DC / Pulse:** basic, rutile and cellulosic electrodes.
- **TIG DC Lift / Pulse.**
- **Air-arc gouging.**

INTELLIGENT

- **Specific synergies for:** Steel, AlMg, AlSi, CrNi, CuSi.
After entering 3 pieces of data: Wire diameter, material/gas and thickness, the product automatically determines the optimal welding parameters.
- Full machine software and synergy updates available via USB stick.
- **Storage of up to 200 welding programs (Jobs)** for recurring tasks.

PREMIUM WELDING

- High duty cycle of 60% at 500A.
- Digital arc control with instantaneous ignition.
- Very stable arc which helps to reduce welding spatter.
- Compatible with WF 35 and WF 50 wire feeders.

MAXIMUM CONNECTIVITY

- Traceability of all weld beads according to EN 3834.
- Calibration mode for welding accessories in order to amend the voltage displayed.
- Connectable via an optional kit (062993) for use with robotic systems.
- User mode to share the product between multiple operators.
- Free online tool to customise the interface.
- Compatible with KOOLWELD 2 cooling unit (075115).
- Optional Push-Pull torch connection (078741) for WF 50 wire feeder.

INDUSTRIAL DESIGN

- IP23 protection rating.
- On-demand ventilation system to reduce dust ingress and power consumption.
- Ideal height to view settings conveniently.
- Reinforced housing for demanding environments.
- Easy disassembly for maintenance.
- Optional dust filter (046580).
- Interconnection cables up to 10m for an extended working area.



Delivered without accessories, with no additional elements (power source only)



ACCESSORIES (optional)



Separate wire feeder

WF 35	WF 50
50 W	100 W
3.5" HMI	5" HMI
075078	075108

MIG-i interconnection cable

Length	Liquid		Air	
	70 mm ²	075467	70 mm ²	075443
1.8 m	70 mm ²	075467	5 m	70 mm ² 075443
5 m		075474	10 m	70 mm ² 075450
	70 mm ²	075481	10 m	95 mm ² 077553
10 m	95 mm ²	075504		

KOOLWELD 2 cooling unit



50/60 Hz	A	I ₂ MIG	I ₂ MMA	I ₂ TIG	Ø mm	EN 60974-1 (40°C)						U ₀ V	cm	kg	m	IP
						MIG-MAG		MMA		TIG						
						IA (60%)	100%	IA (60%)	100%	IA (60%)	100%					
400 V 3~	32	15 → 500	20 → 500	1.6 → 6	500 A	400 A	500 A	380 A	500 A	400 A	86	75 x 30 x 49	37	5	IP23	

The **NEOCUT 125** is a plasma cutter with a duty cycle of **100%** at **125 A** for cutting work up to **57 mm** thick in industrial environment. It is equipped with an automatic air pressure management, in all modes, offering an optimum cutting quality throughout the lifespan of the consumables. Also connectable to a cutting table, its «Marking» mode is perfect for tracing and identifying parts.

SYNERGIC AIR PRESSURE

- Automatic management of pressure and air flow independent of the torch length and the operating mode (cutting, gouging and marking)
- Optimised consumable lifespan

MAXIMUM PRODUCTIVITY

- Duty cycle 100% at 125 A (40°C).
- Marking mode, ideal for tracing and identifying parts.
- Cuts most materials (mild, stainless, tempered, HLE), aluminium, copper, etc.
- Optimized cooling design to operate in an industrial environment.
- Connectable through one of the 3 optional CNC kits for use on automated cutting table.
- Reinforced case IP 23.



SIMPLE TO USE

- Ergonomic interface with OLED screen (7 languages).
- 6 working modes: Cutting, Cutting with locked trigger, Gouging, Gouging with locked trigger, Cutting of perforated sheets, Marking.
- Counter to follow the wear of the consumables (nozzle and electrode).
- Pneumatic diagnosis (moisture presence test and air pressure control).
- HF-free arc ignition to prevent disturbances that could damage nearby electronic equipment.
- Simplified software update via USB cable without any tools or disassembly.

HIGH-PERFORMANCE TORCH

- Premium torches available in 2 lengths (6 m / 12 m), 2 types (manual / automatic) and 2 powers for automated cutting (125 A / 160 A).
- Large choice of consumables adapted to all metal thicknesses.
- Designed to be shock and heat resistant.
- Quick connection/disconnection of the torch, without tools required for transport or maintenance.
- Easy to use trigger mechanism for more comfort.



Supplied with :	 4 m 25 mm ²	 MT 125 6 m
ref. 067431	✓	-
ref. 067448	✓	✓



Intuitive multilingual interface



ACCESSORIES & CONSUMABLES (options)

CNC kit			Automatic torch				MT-125 consumables box			MT-125 - 12 m torch	Trolley jobsite xl	Skate
Analog	Digital	Digital Retrofit	AT-125 105 A (100%)		AT-160 125 A (100%)		45 - 65 - 85 A	85 - 105 A	105 - 125 A	039513	039568	037717
039988	064737	068957	6 m 038479	12 m 039520	6 m 067479	12 m 067486	039537	064720	039544			

50/60 Hz	A	I ₂ A	mm (max)				Gouging Withdrawal rate	AIR SYSTEM			EN 60974-1 (40°C) X (40°C)	cm	kg	IP	Protected & compatible power generator (+/-15%)		
			Piercing		Clean cut			Separation		Pressure (bar)						MT/AT 125 L/min	AT 160 L/min
400 V 3~	63	20 → 125	25	25	40	40	57	57	12 kg/h	5 → 9	305	420	125 A @ 100%	69 x 40 x 61	36	IP 23	30 kW

The **TITANIUM 400 AC/DC** is a high-performance TIG AC/DC generator (400 A to 60%) designed to offer a wide choice of welding processes (TIG AC, DC, MMA). It can be used to weld all types of materials; mild steel, stainless steel, aluminium, copper, titanium. Also ideal for welding thin gauge, its Pulse mode reduces heat input and provides better arc control. Intuitive and highly functional, its digital interface allows you to change welding parameters with ease.

5 TIG/GTAW WELDING MODES

- | | |
|----|--|
| DC | DC Standard: DC welding on most ferrous materials. |
| DC | DC Pulse: limits the heat input of the parts to be welded. Ideal for very thin sheets. |
| AC | AC Standard: welding of aluminium and its alloys (Al, AISi, AlMg, AlMn...). |
| AC | AC Pulse: limits the heat input rise of the parts to be welded. Ideal for very thin sheets. |
| AC | AC Mix: AC and DC current alternation accelerates productivity on aluminum assemblies. |

AUTOMATION & ROBOTICS

- **Connect 5 mode** to control the generator from a console or PLC.
- Connectable via an optional bridge for robot use.

OPTIMIZED SETTINGS

- **4 tacking modes :**
 - **Spot / Multi Spot:** traditional tacking before welding thin sheet metal.
 - **Tack / Multi Tack:** ultra-precise tacking and without oxidation reducing the risk of heat input. The points are invisible in the final weld bead.
- **2 types of start-up :** HF (without contact) or LIFT (with contact) for electro-sensitive environments.
- **3 trigger modes:** 2T, 4T and 4T LOG
- **Parameter setting of AC and Pulse waveforms,** facilitating arc control and penetration while reducing noise level.
- Automatic detection of the torch : compatible with trigger, double button and potentiometer torches.

SMART

- **SYNERGIC mode:** offers a configuration adapted to the type of welding after entering 3 data: type of material, thickness to be welded and welding position.
- **E-TIG mode:** ensures a constant bead width and penetration, regardless of the torch's position in relation to the part (welding energy control).

ADVANCED INTUITIVITY

- New simplified HMI focused on the navigation habits of TIG welders (EASY).
- Ideal for compliance with WPQR and WPS (EXPERT and ADVANCED).
- Updatable machine and synergies via USB key.
- Cooling unit (ref. 013537) and trolley (ref. 037328) optional.
- Recording of 100 programs/jobs per process for repetitive tasks (can be saved on USB stick).
- Remote control (optional pedal or manual) connectable without tools.
- Intelligent ventilation management to reduce power consumption, dust extraction and substation noise.

SMAW/MMA WELDING

- **MMA:** coated, rutile, basic and cellulosic electrodes (up to Ø 8 mm).
- **MMA AC:** allows welding without magnetic disturbance of the arc.
- **MMA Pulse:** developed for welding in an upright vertical position.

ACCURATE

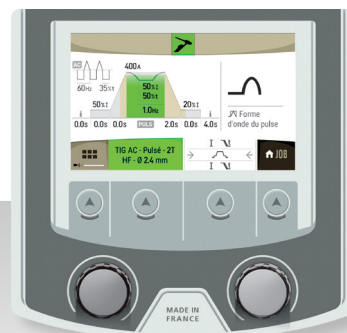
- Calibration mode of welding accessories, to adjust the measurement of the voltage and improves the calculation of the energy.
- ENERGY mode, display and calculation energy after welding according to the standards EN1011-1, ISO/TR 18491 and QW-409.
- Portability: load/backup user JOBS and machine configuration from a USB key.
- Traceability: Trace/record all welding steps, bead by bead, during industrial manufacturing according to EN 3834.

ROBUST

- IP 23 classification for outside use.
- Reinforced bodywork and HMI protected by a protective housing.



Delivered without accessories (optional trolley)



- 3 interface levels** for the user:
- EASY (simplified display)
 - EXPERT (full display)
 - ADVANCED (specific applications)

50/60 Hz	A	I ₂ TIG DC	I ₂ TIG AC	I ₂ MMA	INTEGRATED TECHNOLOGY			TIG - MMA	U ₀	mm ²	W	cm	kg	IP	Protected & compatible power generator (+/-15%)
		A	A	A	PULSE	SR	CEL	EN 60974-1 (40°C)	V						
400 V - 3~	32	3 → 400	5 → 400	5 → 400	0.1 → 2500 Hz (TIG DC) 0.1 → 500 Hz (TIG AC)	■	■	400 A @ 60% 360 A @ 100%	85	70/95	35 (TIG) 170 (MMA)	68 x 30 x 54	43	IP 23	30 kVA

Designed to work with KRONOS and NEOMIG-i power sources, the WF 50 portable wire feeder has an impressive duty cycle of 60% at 500A. The 4 roller feed system and encoder controls provide a precise and smooth wire feed for all types of materials. The 5» colour screen is easily accessible and the interface is very intuitive, with 2 distinct display modes: Easy or Expert.

PERFORMANCE

MIG/MAG:

- steel and stainless steel wire: Ø 0.6 to 1.6mm
- aluminium wire: Ø 0.8 to 1.6mm
- CuSi and CuAl wire: Ø 0.8 to 1.6mm
- cored wire (inverted polarity): Ø 0.9 to 2.4mm

INTELLIGENT

- **Synergies:** Steel, AlMg, AlSi, CrNi, CuSi. After entering 3 pieces of data: Wire diameter, material/gas, and thickness of the workpiece, the product automatically determines the optimal welding parameters.
- **Full machine software and synergy updates** via USB stick.
- **Storage of up to 200 welding programs (Jobs)** for recurring tasks.
- **Portability function**, ability to load/save/transport user JOBS and machine configuration via USB stick.
- Traceability of all weld beads according to EN 3834.
- Calibration procedure for welding accessories allows adjustment of the voltage displayed to ensure parameter accuracy.
- User mode for allocating the product between several operators.
- Free online tool for interface customisation.
- Intelligent wire loading with torch length management.

SUPERIOR WELDING

- **Duty cycle 500 A** at 60%.
- 4 roller driven motor reel with digital encoder for perfect feeding.

ERGONOMIC

- Multilingual 5" colour interface.
- Compatible with air and liquid cooled torches with the MIG-i interconnection cable.
- Push-Pull torch connection option (078741).
- Led lighting of the feed motor and spool.
- Viewing window to monitor wire consumption.
- Large roller diameter (Ø 37mm) for optimal wire delivery.
- Quick-change rollers with no need for tools.
- Colour coded rollers to easily differentiate wire diameter.
- Optional flowmeter kit (073395) for precise control and regulation of the gas flow of the torch.
- Easy access to interconnection cable terminals with locking system.

ACCESSORIES (optional)

MIG-i interconnection cable

Liquid		Air	
1.8 m	075467	5 m	075443
5 m	075474	10 m	075450
		10 m	077553
70 mm ²	075481		
95 mm ²	075504		



Type F rollers

Steel / Stainless		Aluminium		Cored wire	
Ø 0.6 / 0.8	061859	Ø 0.8 / 1.0	061897	Ø 0.9/1.1	061927
Ø 0.8 / 1.0	061866	Ø 1.0 / 1.2	061903	Ø 1.2/1.6	061934
Ø 1.0 / 1.2	061873	Ø 1.2 / 1.6	061910	Ø 1.4/2.0	061941
Ø 1.2 / 1.6	061880			Ø 1.6/2.4	061958

U1	Gas	Cored wire	200	300	Electronic control	m/min	Original rollers	EN 60974-5 (40°C)	cm	kg	IP
48 V DC	0.6 → 1.6	0.9 → 2.4	✓	✓	100 W	1.5 → 20	1.0 1.2	500 A	58 x 26 x 48	14.5	IP23