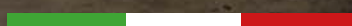




PLASMA CUTTING
EX WORKS PRICE LIST

26.03

SINCE 1950



WELDING TOGETHER



PLASMATECH
CEA PLASMA CUTTING DIVISION

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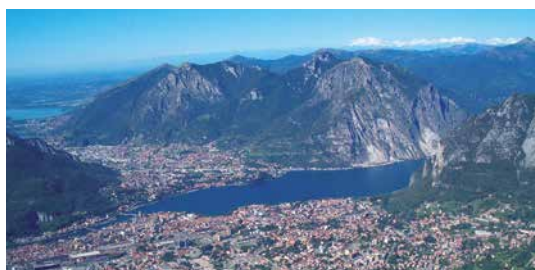
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A STORY WHICH STARTED IN 1950

Even before its inception in 1950 CEA machines had garnered a reputation for quality craftsmanship prior to World War II and today CEA is renowned in the welding and plasma cutting sectors as a steadfast partner to its worldwide distributor network.



HERITAGE AND PRIDE

CEA being a well-structured company is ideally positioned to face the current global market challenges but also takes great pride in its roots and connection to the territory which has allowed for consistent growth in the years.



KNOW-HOW AND VERTICALIZATION OF THE MANUFACTURING PROCESS

CEA takes great pride in the ability to control machine production, from research and design stages, to development and in-house manufacture of all parts up to final assembly of the finished product.



SPECIAL APPLICATION EXPERIENCE

Besides a wide range of standard products, CEA has always worked with its customers in the solutions and development of special applications. Now in partnership with TECNOROBOT we enter a new phase which allows us to offer advanced welding and cutting solutions to complex automation and robotized procedures.



ISO 9001

Always concerned about quality, CEA has its quality management system ISO 9001 certified since 1994. This is a guarantee of an ongoing commitment of the entire company for a continuous improvement in its products and business processes, leading to the full satisfaction of its customers.

CE MARKING

All CEA products are CE marked, therefore compliant with all EU Directives and Standards imposing such utilization from design, manufacture and installation of the equipment up to its final disposal. In particular CE marking implies the conformity to the following main Directives:

2014/35/EU (LVD)

The Low Voltage Directive (LVD) defines the compliance with numerous regulations to safeguard health and safety for the operator and also regarding the electrical dimensioning of the equipment.

2014/30/EU (EMC)

The Directive on Electromagnetic compatibility (EMC) defines the effects of electromagnetic emissions and the immunity degree. This means that the equipment shall not emit any electromagnetic disturbances and, in turn, must be immune to any interference from other equipment or from the mains supply.

CEA power sources are designed for use in industrial environments: EMC (CISPR 11) A Class.

2011/65/EU (RoHS)

The Directive defines the restriction of certain hazardous substances in electrical and electronic equipment.

2009/125/EU (Eco-Design)

CEA products have been designed and built according to the following harmonised standards:

- IEC 60974-1 EN 60974-1 – Welding and Cutting power sources
- IEC 60974-7 EN 60974-7 – Torches
- IEC 60974-10 EN 60974-10 – Electromagnetic compatibility (EMC)

CEA: A LOW-ENERGY IMPACT FIRM

Care for the environment has always been a fundamental value in the CEA corporate philosophy. This is proven by a keen attention towards an eco-sustainable production process, care in the selection of components, use of paints with low environmental impact and so on. The evolution of CEA's manufacturing trend, focusing towards inverter technology, has allowed to greatly improve the energy efficiency of the products. CEA GOES GREEN is the hallmark of this approach and is reflected into latest generation inverter power sources which, versus traditional equipment, ensure a considerable energy saving:



- ✓ Less energy consumption
- ✓ High efficiency
- ✓ High Power Factor
- ✓ Energy saving function

- Low energy consumption
- Compliance with “green” environment-friendly norms (i.e. RoHS)
- Reduced weight and dimensions for lower shipping costs, disposal and recycling (WEEE)

An additional investment in the pursuit of “eco-sustainability” is represented by an important 350 kWp photovoltaic plant which has made the company virtually self-sufficient from an energetic perspective.

PLASMATECH is the new CEA division dedicated to Plasma cutting technology. Thanks to over 30 years of experience in the cutting sector, **CEA PLASMATECH** will become your strategic partner, focused on the plasma cutting field, fully meeting all market needs in the most efficient way.

In this catalogue you will find accurate, genuine technical details that will allow you to easily choose the product best suited to your job.



The **SHARK** range of plasma cutting equipment is the result of very considerable investments of capital and resources dedicated to research. **SHARK** equipment is fitted with new technology torches, which have greatly contributed to a remarkable increase of both quality and speed throughout the entire cutting process. Quality is clearly reflected in neat cuts, lack of dross, minimal heat-affected zone and sufficiently squared edges.

SHARK power sources represent an efficient solution for the cutting of any metal and perforated lamination sheets. Electronic control, coupled with inverter precision and flexibility, always provides the most correct parameters in order to obtain the highest quality cut depending on the thickness and type of material being cut. **SHARK** range new **SK** torches for manual cutting and **SKM** for CNC automation allow cuts without high frequency for arc striking, thus reducing external disturbances to the environment.

SHARK power sources, powerful and fitted with professional high flow air circuit, ensure perfect cuts.

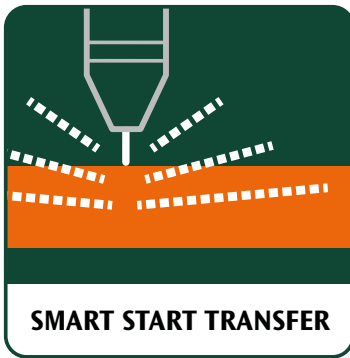
- Electronic control for excellent cutting quality
- Professional high flow air circulation
- Pilot arc torch
- Possibility of cutting grates and perforated lamination sheets
- Possibility of contact cutting with currents lower than 50 A, without any guiding device or other spacers.
- Regulator group with built-in filter and air impurity automatic expulsion
- Easy to read and adjust sloping front control panel, highly visible from any direction
- Metallic main structure with shockproof fibre compound front frames and control panel protected against accidental impact
- Electrical protection device on the torch to ensure operator's maximum safety

SHARK TECHNICAL DATA		SHARK 35 compressor	SHARK 46	SHARK 46 SV		SHARK 55	SHARK 75	SHARK 105	SHARK 125	SHARK 155
Input Voltage 50/60 Hz	V	230-1ph	230-1ph	115-1ph	230-1ph	400-3ph	400-3ph	400-3ph	400-3ph	400-3ph
Current range	A	10 ÷ 30	20 ÷ 40	20 ÷ 30	20 ÷ 40	20 ÷ 55	20 ÷ 70	20 ÷ 100	25 ÷ 120	25 ÷ 150
Duty Cycle at (40°C)	100%	A	-	20	-	20	35	55	70	100
	60%	A	25	30	20	30	45	65	90	120
	x%	A	30 (40%)	40 (35%)	30 (25%)	40 (35%)	55 (40%)	70 (40%)	100 (40%)	-
Cutting Capacity	Recommended	mm	8	12	10	12	15	20	30	40
	Maximum	mm	10	15	12	15	20	25	35	45
	Severance	mm	15	20	18	20	25	30	40	50
	Piercing	mm	-	10	-	10	12	15	20	25
Cutting power (*)	KW	3,3	5	3,7	5	6,8	9,8	17	21	26,3
Weight	Kg	20,5	16	16		15	23	24	48	48

SHARK-M TECHNICAL DATA (MACHINE CUT)		SHARK 46-M	SHARK 55-M	SHARK 75-M	SHARK 105-M	SHARK 125-M	SHARK 125-MR	SHARK 155-M	SHARK 155-MR
Input Voltage 50/60 Hz	V	230-1ph	400-3ph	400-3ph	400-3ph	400-3ph	400-3ph	400-3ph	400-3ph
Current range	A	20 ÷ 40	20 ÷ 55	20 ÷ 70	20 ÷ 100	25 ÷ 120	25 ÷ 120	25 ÷ 150	25 ÷ 150
Duty Cycle at (40°C)	100%	A	20	35	55	70	100	100	100
	60%	A	30	45	65	90	120	120	120
	x%	A	40 (35%)	55 (40%)	70 (40%)	100 (40%)	-	-	150 (30%)
Cutting Capacity @ I ₂ Max	Quality	mm	8	12	15	25	30	30	32
	Production	mm	10	15	20	30	35	35	40
	Maximum	mm	15	20	25	35	45	45	50
	Piercing	mm	10	12	15	20	25	25	25
Cutting power (*)	KW	5	6,8	9,8	17	21	21	26,3	26,3
Weight	Kg	16	15	23	24	48	48	48	48

Technical features might change without notice.

(*) This value is obtained by multiplying the maximum current by the cutting voltage, thus allowing to evaluate the effective cutting power of the equipment.



Innovative electronic circuit that allows an optimal and gradual transfer of the pilot-arc in the main arc, during the start of the cutting arc.

Compared to a traditional system of arc transfer, it has the following advantages:

- Guarantees immediate stability of the plasma flow
- Increases the cut start performance and also improves cutting quality
- Increases the life of the torch consumables



Innovative function that allows, at the end of the cut, a gradual and synergic decline of the current up to an optimal value.

Compared to traditional end-of-cut methods, it has the following advantages:

- Improved end-of-cut quality with permanent separation of parts
- Cutting end noise reduction
- Prevents the operator from manually separating pieces by ruining the final part of the cutting surface



Process able to produce a very thin cutting width to improve the cutting quality of thin metals with detailed details or complex shapes. With this process it is possible to replace expensive technologies like laser and waterjet.

It is possible to obtain detailed cuts with air plasma using the Clean-Cut consumables available for the SK125 torches for manual cutting and for those SKM125 mounted on automated systems. Clean-Cut consumables produce a narrower cutting width with a more concentrated arc ideal for cutting thinner materials (up to 2mm) with maximum cutting currents of 45A. The main uses and advantages are as follows:

- Cutting thin sheets with better cutting quality and sharp edges without burrs
- Cutting of sheets for which minimum tolerances are required
- Cutting of complex shapes.
- Cutting of sheets with many details



Plasma gouging is the fastest and cheaper metal-removing system ever.

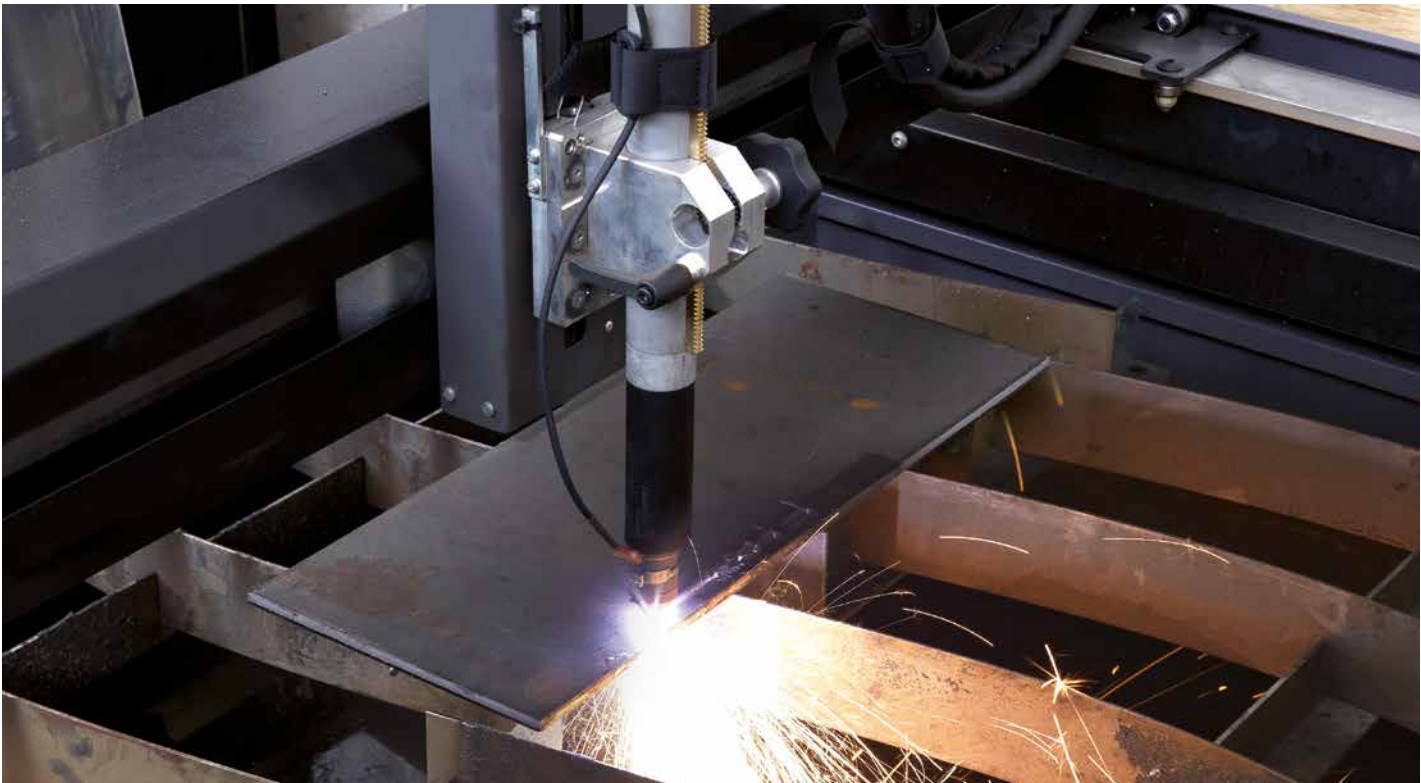
Plasma gouging is suitable for every kind of conductive-metal, for example: carbon-steel, inox, aluminium and copper. Compared to traditional gouging by carbon-electrode, it has the following plus-points:

- It's easy to do and fast
- It's a low cost operation
- Does not require any trained and skilled operators
- Enables to clearly see the gouging area
- Reduces smoke emissions and noise at the workplace

Typical applications for plasma arc gouging are:

- Removals of cracks
- Repairing of mild steel, aluminium and stainless tanks
- Maintenance and repairing of vehicles
- Pipe and fixture edge preparation
- Removal of defective welds and overwelds





SHARK 46-M, SHARK 55-M, SHARK 75-M, SHARK 105-M, SHARK 125-M and **SHARK 155-M** equipment, when fitted with SMK machine torch, are suitable to be used for automated cutting.

These power sources can be easily connected to cutting pantographs, having the ability to manage the following signals:

- Power source ON/OFF
- Cutting arc control
- Torch height



SHARK-M TECHNICAL DATA (MACHINE CUT)			SHARK 46-M	SHARK 55-M	SHARK 75-M	SHARK 105-M	SHARK 125-M	SHARK 155-M
Input Voltage 50/60 Hz		V	230-1ph	400-3ph	400-3ph	400-3ph	400-3ph	400-3ph
Current range		A	20 ÷ 40	20 ÷ 55	20 ÷ 70	20 ÷ 100	25 ÷ 120	25 ÷ 150
Duty Cycle at (40°C)	100%	A	20	35	55	70	100	100
	60%	A	30	45	65	90	120	120
	x%	A	40 (35%)	55 (40%)	70 (40%)	100 (40%)	-	150 (30%)
Cutting Capacity @ I ₂ Max	Quality	mm	8	12	15	25	30	32
	Production	mm	10	15	20	30	35	40
	Maximum	mm	15	20	25	35	45	50
	Piercing	mm	10	12	15	20	25	25
Cutting power		KW	5	6,8	9,8	17	21	26,3
Weight		Kg	16	15	23	24	48	48

SHARK 125-MR and **SHARK 155-MR** represent the best solution for setting all the functions and cutting current directly from CNC system without going back to the machine.

These machines make easier and more flexible the overall functionality; in fact, they allow you to set, for example, programs with different cutting currents, or even programs that can change the cutting process current according to your needs. SHARK 125-MR and SHARK 155-MR allow you to change the cutting mode (solid, mesh or gouging) from CNC system too.



SHARK-MR TECHNICAL DATA (MACHINE CUT)			SHARK 125-MR	SHARK 155-MR
Input Voltage 50/60 Hz	V		400-3ph	400-3ph
Current range	A		25 ÷ 120	25 ÷ 150
Duty Cycle at (40°C)	100%	A	100	100
	60%	A	120	120
	x%	A	-	150 (30%)
Cutting Capacity @ I ₂ Max	Quality	mm	30	32
	Production	mm	35	40
	Maximum	mm	45	50
	Piercing	mm	25	25
Cutting power	KW		21	26,3
Weight	Kg		48	48



SHARK 35 compressor



SHARK 35 is a lightweight and handy compressor plasma cutting equipment. It is the ideal solution for all maintenance jobs thanks to its built-in compressor, single-phase input, portability and flexibility in use.

Shark 35 is the best solution for everyone who needs the maximum portability and power possible.

SHARK Compressor is the best choice also for light fabrication work, agriculture and car body repairs.

- ✓ **SK25 Back Striking technology torch with coaxial cable**
- ✓ **30A @ 40%**
- ✓ **Built-in compressor**
- ✓ **Portability and flexibility in the use**
- ✓ **Electronic control for an excellent cutting quality**



- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ Torch with pilot arc
- ▶ Cutting parameter stability within $\pm 15\%$ mains voltage fluctuations
- ▶ Air filter incorporated into the compressor
- ▶ Metallic main structure with shockproof fibre compound front frame
- ▶ Sloping front control panel, easy to read and adjust and highly visible from any direction
- ▶ Electric protection on the torch for the maximum safety of the operator





234926



418485



410681

TECHNICAL DATA

		SHARK 35 compressor
Input Voltage 50/60 Hz	V	230-1ph
Input Power @ I ₂ Max	kVA	6,05
Delayed Fuse (I eff)	A	16
Power factor / cos φ		0,65 / 0,99
Efficiency Degree	%	80
Current range	A	10 ÷ 30
Duty Cycle at (40°C)	100%	A -
	60%	A 25
	x%	A 30 (40%)
Motorgenerator requirement for full capacity	kVA	8
Cutting Capacity	Recommended	mm 8
	Maximum	mm 10
	Severance	mm 15
	Piercing	mm -
Gas supply		Air
Gas Pressure	bar	3,5 - 4,0
Gas Flow	l/min	70 ÷ 80
Protection Class	IP	23 S
Dimensions	mm	425x220x540
Weight	Kg	20,5

ORDER INFORMATION

CODE	MANUAL CUTTING	EURO
004412	SHARK 35 Compressor 230V-1 Ph. with SK25 torch, 6mm ² / 4m ground cable & Consumable starting kit (343961)	2.590,00
PLASMA TORCH		
022031	Torch SK25 4 m 30 A direct connection	365,00
343961	Consumable Starting Kit for SK25: 2 Electrodes, 1 Nozzle ø 0,65 (10-20 A), 2 Nozzles ø 0,80 (20-30 A)	28,00
ACCESSORIES		
418485	Compass for SK25 torch	154,00
410681	Wheeled torch holder	63,00
234926	Transport Trolley CTP 10	292,00

SK25





Powerful and light SHARK 46 single phase plasma cutting equipment with PFC is the ideal choice for car body repairs, agriculture and maintenance.

PFC device ensures big cutting power coupled with a contained consumption.

- ✓ **SK75 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **PFC Power Factor Correction - 16 A fuse**
- ✓ **High power professional air flow circulation**
- ✓ **Electronic control for an excellent cutting quality**

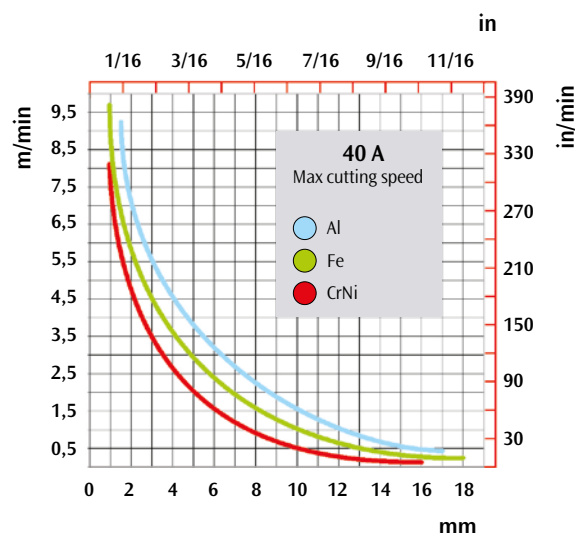
PFC: POWER FACTOR CORRECTION

The wave shape of the current drawn from the mains is made sinusoidal by the PFC device with a consequent total lack of harmonic disturbances in the mains and consumption optimization, which enables to utilize the power source at full range on a 16 A fuse.



- ▶ Long life of consumable parts
- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ Shockproof and dustproof control rack protection cover
- ▶ Torch with pilot arc
- ▶ Central connector for the torch
- ▶ Cutting parameter stability within $\pm 15\%$ mains voltage fluctuations
- ▶ Regulator group with built-in filter and air impurity automatic expulsion
- ▶ Metallic main structure with shockproof fibre compound front frame
- ▶ Sloping front control panel, easy to read and adjust and highly visible from any direction
- ▶ Electric protection on the torch for the maximum safety of the operator

CUTTING SPEED CHART



SK75



SKM75



Possibility of CNC automated cutting for SHARK 75-M power source when fitted with SKM75 machine torch



418508



343956



410684



427529



427530



418487

TECHNICAL DATA

		SHARK 46	SHARK 46 SV	
Input Voltage 50/60 Hz	V	230-1ph	115-1ph	230-1ph
Input Power @ I ₂ Max	kVA	5	4,3	5
Delayed Fuse (I eff)	A	16	20	16
Power factor / cos φ		0,99 / 0,99	0,99 / 0,99	
Efficiency Degree	%	81	81	
Current range	A	20 ÷ 40	20 ÷ 30	20 ÷ 40
Duty Cycle at (40°C)	100%	A	20	20
	60%	A	30	30
	x%	A	40 (35%)	40 (35%)
Motorgenerator requirement for full capacity	kVA	6	6	6
Cutting Capacity	Recommended	mm	12	12
	Maximum	mm	15	15
	Severance	mm	20	20
	Piercing	mm	10	10
Gas supply		Air / N ₂	Air / N ₂	
Gas Pressure	bar	5,0 - 5,5	5,0 - 5,5	
Gas Flow	l/min	160 ÷ 180	160 ÷ 180	
Protection Class	IP	23 S	23 S	
Dimensions	mm	390x185x595	390x185x595	
Weight	Kg	16	16	

ORDER INFORMATION

CODE	MANUAL CUTTING	EURO
004417	SHARK 46 230V-1 Ph. with SK75 - 6 m torch, 6mm ² / 4m ground cable & kit of spares (343954)	2.500,00
004419	SHARK 46-SV 115-230V-1 Ph. with SK75 - 6 m torch, 6mm ² / 4m ground cable & kit of spares (343954)	2.590,00
PLASMA TORCH		
022029	Manual torch SK75 6 m 70 A	599,00
343956	Consumable Basic Kit Box for SK75 (Page 27)	540,00
343954	Consumable Starting Kit for SK75: 1 Electrode, 2 Nozzles 50 A, 1 Shield cap	42,00
ACCESSORIES		
418487	Compass for SK75 torch	154,00
410684	Wheeled torch holder	59,00
418508	Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting	695,00
234926	Transport Trolley CTP 10	292,00
427529	Compressed air filter	183,00
427530	Filter cartridge Package of 4 pcs	40,00
CODE	MECHANIZED CUTTING	EURO
004418	SHARK 46-M 230V-1 Ph. with SKM75 torch 6 m - 6mm ² / 4 m ground cable	3.030,00
PLASMA TORCHES		
022073	Machine Straight Torch SKM75 6 m - 70 A with gear rack	848,00

Other voltages available on request



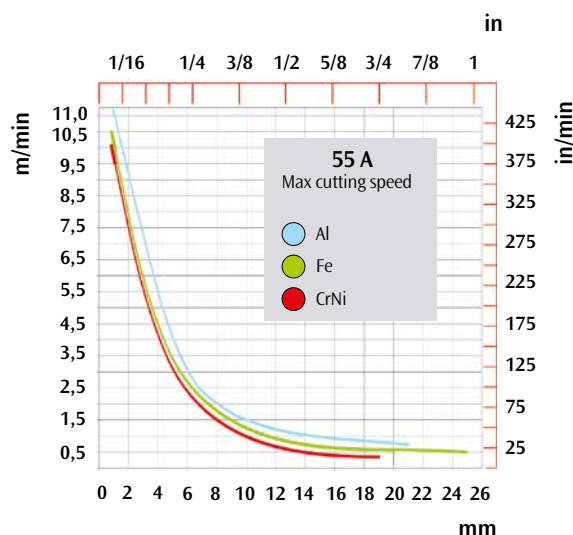
Powerful and compact, SHARK 55 is the most efficient solution to fully meet the cutting needs of medium and light fabrication work. Its always precise cutting performance enables the achievement of the highest standards in all circumstances. Top quality cutting is achieved at high speed thanks to SK75 HPC High-Performance-Cutting technology torch, which offers a powerful and concentrated cutting beam.

- ✓ **SK75 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **Powerful, compact and light, only 15 Kg**
- ✓ **More productivity thanks to high quality and cutting speed**
- ✓ **Reduced operating costs granted by longer life of the consumable parts**



- ▶ Electronic control for an excellent cutting quality
- ▶ Professional high flow air circulation
- ▶ Pilot arc torch
- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ "Energy Saving" function to operate the power source cooling fan only when necessary
- ▶ Cutting parameter stability within $\pm 15\%$ mains voltage fluctuations
- ▶ Shockproof and dustproof control rack protection cover
- ▶ Electric protection on the torch for the maximum safety of the operator

CUTTING SPEED CHART



SK75



SKM75



Possibility of CNC automated cutting for SHARK 75-M power source when fitted with SKM75 machine torch



234926



418508



343956



410684



427529



427530



418487

TECHNICAL DATA

		SHARK 55
Input Voltage 50/60 Hz	V	400-3ph
Input Power @ I ₂ Max	kVA	10,5
Delayed Fuse (I eff)	A	10
Power factor / cos φ		0,63 / 0,99
Efficiency Degree	%	85
Current range	A	20 ÷ 55
Duty Cycle at (40°C)	100%	A 35
	60%	A 45
	x%	A 55 (40%)
Motorgenerator requirement for full capacity	kVA	16
Cutting Capacity	Recommended	mm 15
	Maximum	mm 20
	Severance	mm 25
	Piercing	mm 12
Gas supply		Air / N ₂
Gas Pressure	bar	5,0 - 5,5
Gas Flow	l/min	170 ÷ 190
Protection Class	IP	23 S
Dimensions	mm	390x185x595
Weight	Kg	15

ORDER INFORMATION

CODE	MANUAL CUTTING	EURO
004480	SHARK 55 400V-3 Ph. with SK75 torch - 6 m, 10mm ² / 4m ground cable & kit of spares (343962)	2.930,00
004484	SHARK 55 400V-3 Ph. with SK75 torch - 12 m, 10mm ² / 4m ground cable & kit of spares (343962)	3.210,00
PLASMA TORCH		
022029	Manual Torch SK75 6 m 70 A	599,00
022033	Manual torch SK75 12m 70A	802,00
343956	Consumable Basic Kit Box for SK75 (Page 25)	540,00
343962	Consumable Starting Kit for SK75: 1 Electrode, 2 Nozzles 70 A, 1 Shield cap	45,00
ACCESSORIES		
418487	Compass for SK75/SK125 torch	154,00
410684	Wheeled torch holder	59,00
418508	Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting	695,00
234926	Transport Trolley CTP 10	292,00
427529	Compressed air filter	183,00
427530	Filter cartridge. Package of 4 pcs	40,00
CODE	MECHANIZED CUTTING	EURO
004481	SHARK 55-M 400V-3 Ph. with SKM75 torch 6 m - 10 mm ² / 4 m ground cable	3.460,00
004482	SHARK 55-M 400V-3 Ph. with SKM75 torch 12 m - 10 mm ² / 4 m ground cable	3.770,00
PLASMA TORCHES		
022073	Machine Straight Torch SKM75 6 m - 70 A with gear rack	848,00
022080	Machine Straight Torch SKM75 12 m - 70 A with gear rack	1.069,00

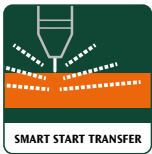
Other voltages available on request



Powerful and compact, SHARK 75 is the most efficient solution to fully meet the cutting needs of medium and light fabrication work. Its always precise cutting performance enables the achievement of the highest standards in all circumstances. Top quality cutting is achieved at high speed thanks to SK75 HPC High-Performance-Cutting technology torch, which offers a powerful and concentrated cutting beam.

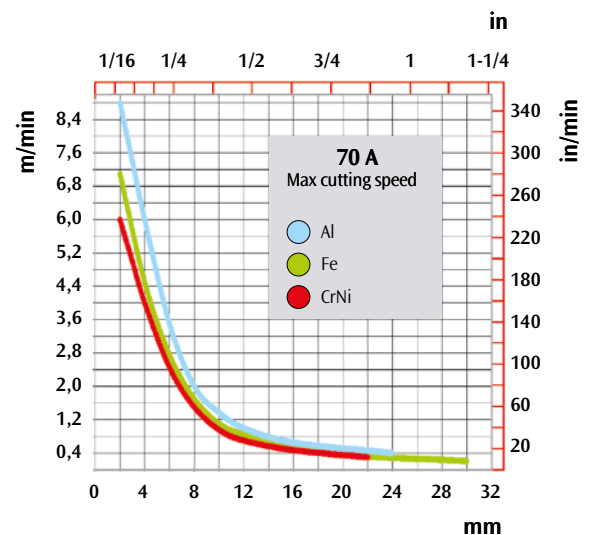
Smart Start Transfer and Smart End Cutting functions permit both initial and final cutting phases in an optimal way.

- ✓ **SK75 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **Powerful, compact and light, only 23 Kg**
- ✓ **More productivity thanks to high quality and cutting speed**
- ✓ **Reduced operating costs granted by longer life of the consumable parts**



- ▶ Electronic control for an excellent cutting quality
- ▶ Professional high flow air circulation
- ▶ Pilot arc torch
- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ "Energy Saving" function to operate the power source cooling fan only when necessary
- ▶ Cutting parameter stability within $\pm 20\%$ mains voltage fluctuations
- ▶ Shockproof and dustproof control rack protection cover
- ▶ Electric protection on the torch for the maximum safety of the operator

CUTTING SPEED CHART



SK75



SKM75



Possibility of CNC automated cutting for SHARK 75-M power source when fitted with SKM75 machine torch



234926



418508



343956



410684



427529



427530



418487

TECHNICAL DATA

		SHARK 75
Input Voltage 50/60 Hz	V	400-3ph
Input Power @ I ₂ Max	kVA	10,5
Delayed Fuse (I eff)	A	16
Power factor / cos φ		0,83 / 0,99
Efficiency Degree	%	87
Current range	A	20 ÷ 70
Duty Cycle at (40°C)	100%	A 55
	60%	A 65
	x%	A 70 (40%)
Motorgenerator requirement for full capacity	kVA	20
Cutting Capacity	Recommended	mm 20
	Maximum	mm 25
	Severance	mm 30
	Piercing	mm 15
Gas supply		Air / N ₂
Gas Pressure	bar	5,0 - 5,5
Gas Flow	l/min	180 ÷ 210
Protection Class	IP	23 S
Dimensions	mm	390x185x595
Weight	Kg	23

ORDER INFORMATION

CODE	MANUAL CUTTING	EURO
004425	SHARK 75 400V-3 Ph. with SK75 torch - 6 m , 10mm ² / 4m ground cable & kit of spares (343962)	4.260,00
004429	SHARK 75 400V-3 Ph. with SK75 torch - 12 m , 10mm ² / 4m ground cable & kit of spares (343962)	4.540,00
PLASMA TORCH		
022029	Manual Torch SK75 6 m 70 A	599,00
022033	Manual torch SK75 12m 70A	802,00
343956	Consumable Basic Kit Box for SK75 (Page 25)	540,00
343962	Consumable Starting Kit for SK75: 1 Electrode, 2 Nozzles 70 A, 1 Shield cap	45,00
ACCESSORIES		
418487	Compass for SK75/SK125 torch	154,00
410684	Wheeled torch holder	59,00
418508	Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting	695,00
234926	Transport Trolley CTP 10	292,00
427529	Compressed air filter	183,00
427530	Filter cartridge. Package of 4 pcs	40,00
CODE	MECHANIZED CUTTING	EURO
004426	SHARK 75-M 400V-3 Ph. with SKM75 torch 6 m - 10 mm ² / 4 m ground cable	4.560,00
004427	SHARK 75-M 400V-3 Ph. with SKM75 torch 12 m - 10 mm ² / 4 m ground cable	4.870,00
PLASMA TORCHES		
022073	Machine Straight Torch SKM75 6 m - 70 A with gear rack	848,00
022080	Machine Straight Torch SKM75 12 m - 70 A with gear rack	1.069,00

Other voltages available on request

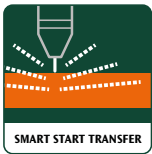


Powerful, robust and compact, SHARK 105 absolutely grants high productivity in the toughest cutting operations without any compromise: cuts are always precise and ensure the highest cutting results in all applications.

Top cutting quality at high speed by means of SK125 HPC High-Performance-Cutting technology torch, granting a powerful and concentrated cutting beam.

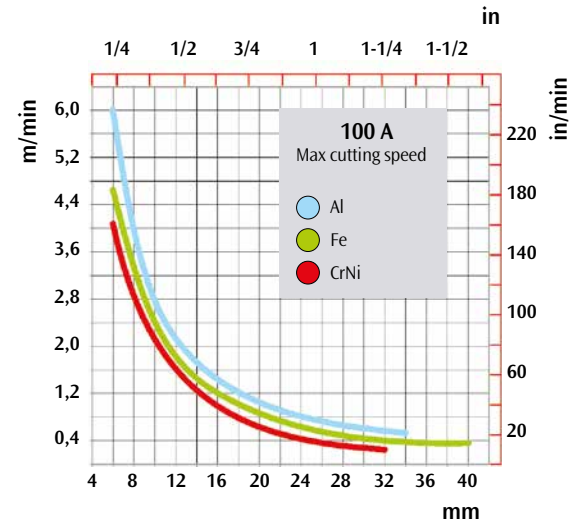
Smart Start Transfer and Smart End Cutting functions permit both initial and final cutting phases in the best way.

- ✓ **SK125 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **Powerful, compact and light, only 24 Kg**
- ✓ **More productivity thanks to high quality and cutting speed**
- ✓ **Reduced operating costs granted by longer life of the consumable parts**



- ▶ Electronic control for an excellent cutting quality
- ▶ Professional high flow air circulation
- ▶ Pilot arc torch
- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ Ability to gouging jobs
- ▶ “Energy Saving” function to operate the power source cooling fan only when necessary
- ▶ Cutting parameter stability within $\pm 20\%$ mains voltage fluctuations
- ▶ Shockproof and dustproof control rack protection cover
- ▶ Electric protection on the torch for the maximum safety of the operator

CUTTING SPEED CHART



SK125



SKM125



Possibility of CNC automated cutting for SHARK 105-M and SHARK 125-M power source when fitted with SKM125 machine torch.



234926



418508



343957



410684



427529



427530



TECHNICAL DATA

		SHARK 105
Input Voltage 50/60 Hz	V	400-3ph
Input Power @ I ₂ Max	kVA	15
Delayed Fuse (I eff)	A	16
Power factor / cos φ		0,90 / 0,99
Efficiency Degree	%	89
Current range	A	20 ÷ 100
Duty Cycle at (40°C)	100%	A 70
	60%	A 90
	x%	A 100 (40%)
Motorgenerator requirement for full capacity	kVA	30
Cutting Capacity	Recommended	mm 30
	Maximum	mm 35
	Severance	mm 40
	Piercing	mm 20
Gas supply		Air / N ₂
Gas Pressure	bar	5,0 - 6,0
Gas Flow	l/min	280 ÷ 330
Protection Class	IP	23 S
Dimensions	mm	390x185x595
Weight	Kg	24

ORDER INFORMATION

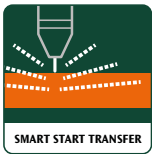
CODE	MANUAL CUTTING	EURO
004430	SHARK 105 400V-3 Ph. With SK125 - 6 m torch, 10mm ² / 4m ground cable & kit of spares (343963)	5.100,00
004434	SHARK 105 400V-3 Ph. With SK125 - 12 m torch, 10mm ² / 4m ground cable & kit of spares (343963)	5.380,00
PLASMA TORCH		
022028	Manual Torch SK125 6 m 125 A	639,00
022035	Manual Torch SK125 12m 125 A	884,00
343957	Consumable Basic Kit Box for SK125 (Page 25)	483,00
343963	Consumable Starting Kit for SK125: 1 Electrode, 2 Nozzles 105 A, 1 Shield cap 100-125 A	53,00
ACCESSORIES		
418487	Compass for SK125 torch	154,00
410684	Wheeled torch holder guide	59,00
418508	Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting	695,00
234926	Transport Trolley CTP 10	292,00
427529	Compressed air filter	183,00
427530	Filter cartridge Package of 4 pcs	40,00
CODE	MECHANIZED CUTTING	EURO
004431	SHARK 105-M 400V-3 Ph. with SKM125 torch 6 m - 10 mm ² / 4 m ground cable	5.400,00
004432	SHARK 105-M 400V-3 Ph. with SKM125 torch 12 m - 10 mm ² / 4 m ground cable	5.710,00
PLASMA TORCHES		
022074	Machine Straight Torch SKM125 6 m - 125 A with gear rack	912,00
022081	Machine Straight Torch SKM125 12 m - 125 A with gear rack	1.141,00

Other voltages available on request



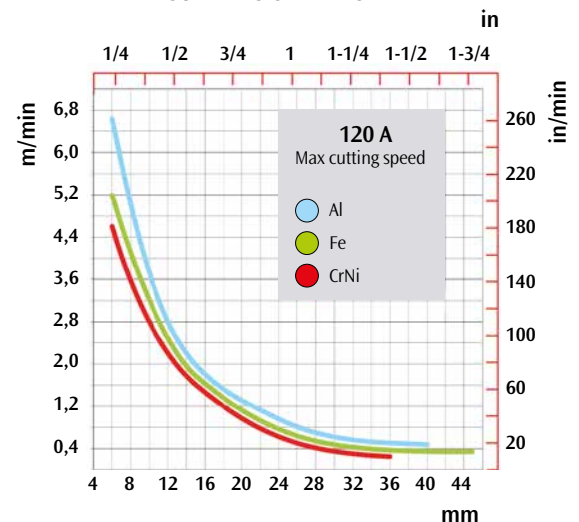
SHARK 125 is equipped with display for managing all the digital control. In combination with the technology HPC High-Performance-Cutting of the torch SK125, it grants to every user a cutting beam very concentrated and hot. This feature allows a very high precision and speed in cutting for a wide range of thickness. Shark 125 has also the special function Smart Start Transfer and Smart End Cutting for a better management of the cut during the start and end.

- ✓ **SK125 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **Digital display for the digital control of all parameters**
- ✓ **High duty cycle: 120A @ 60%**
- ✓ **More productivity thanks to high quality and cutting speed**



- ▶ Reduced operating costs granted by longer life of the consumable parts
- ▶ Electronic control for an excellent cutting quality
- ▶ Professional high flow air circulation
- ▶ Pilot arc torch
- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ Ability to gouging jobs
- ▶ Cutting parameter stability within $\pm 20\%$ mains voltage fluctuations
- ▶ Shockproof and dustproof control rack protection cover
- ▶ Electric protection on the torch for the maximum safety of the operator

CUTTING SPEED CHART



SK125



SKM125



Possibility of CNC automated cutting for SHARK 105-M and SHARK 125-M power source when fitted with SKM125 machine torch.



234927



418508



343957



022083



410684



427530



427529



418487

TECHNICAL DATA

		SHARK 125
Input Voltage 50/60 Hz	V	400-3ph
Input Power @ I ₂ Max	kVA	21
Delayed Fuse (I _{eff})	A	32
Power factor / cos φ		0,89 / 0,99
Efficiency Degree	%	88
Current range	A	25 ÷ 120
Duty Cycle at (40°C)	100%	A 100
	60%	A 120
	x%	A -
Motorgenerator requirement for full capacity	kVA	40
Cutting Capacity	Recommended	mm 40
	Maximum	mm 45
	Severance	mm 50
	Piercing	mm 25
Gas supply		Air / N ₂
Gas Pressure	bar	5,0 - 6,0
Gas Flow	l/min	280 ÷ 330
Protection Class	IP	23 S
Dimensions	mm	515x290x730
Weight	Kg	48

ORDER INFORMATION

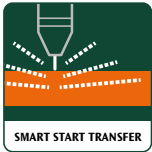
CODE	MANUAL CUTTING	EURO
004462	SHARK 125 400V-3 Ph. With SK125 - 6 m torch, 25 mm ² / 4m ground cable & kit of spares (343955)	7.200,00
004467	SHARK 125 400V-3 Ph. With SK125 - 12 m torch, 25 mm ² / 4m ground cable & kit of spares (343955)	7.480,00
PLASMA TORCH		
022028	Manual Torch SK125 6 m 125 A	639,00
022035	Manual Torch SK125 12m 125 A	884,00
022083	Manual Long torch SK165XL 1,30 m / 45° - 7,5 m cable 160 A	2.733,00
343957	Consumable Basic Kit Box for SK125 (Page 25)	483,00
343955	Consumable Starting Kit for SK125 - 125 A: 1 Electrode, 2 Nozzles 125 A, 1 Shield cap 100-125 A	53,00
ACCESSORIES		
418487	Compass for SK125 torch	154,00
410684	Wheeled torch holder guide	59,00
418508	Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting	695,00
234927	Transport Trolley CTP 15	324,00
427529	Compressed air filter	183,00
427530	Filter cartridge. Package of 4 pcs	40,00
CODE	MECHANIZED CUTTING	EURO
004463	SHARK 125-M 400V-3 Ph. with SKM125 torch 6 m - 25 mm ² / 4 m ground cable	7.500,00
004464	SHARK 125-M 400V-3 Ph. with SKM125 torch 12 m - 25 mm ² / 4 m ground cable	7.810,00
PLASMA TORCHES		
022074	Machine Straight Torch SKM125 6 m - 125 A	912,00
022081	Machine Straight Torch SKM125 12 m - 125 A	1.141,00
CODE	MECHANIZED CUTTING BY ROBOT / PLC	EURO
004465	SHARK 125-MR 400V-3 Ph. -with torch 6 m torch SKM125 - 25 mm ² / 4 m ground cable - complete with ROBOMAT 1 interface and 5 m cable for connected with automated equipment	8.980,00
004466	SHARK 125-MR 400V-3 Ph. -with torch 12 m torch SKM125 - 25 mm ² / 4 m ground cable - complete with ROBOMAT 1 interface and 5 m cable for connected with automated equipment	9.290,00

Other voltages available on request



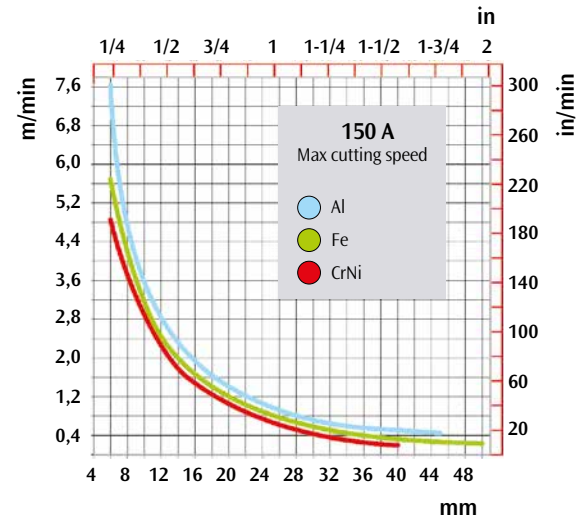
With its stunning cutting force, SHARK 155 is the most powerful machine in the range. Robust and precise, it ensures extremely high quality cutting results also on very large thickness. Equipped with a display for the digital control of all the parameters, it grants the highest cutting quality at high speed by means of SK165 HPC High-Performance-Cutting technology torch, which combines the concentrated cutting beam to high power. Smart Start Transfer and Smart End Cutting functions allow both initial and final cutting phases in the best way.

- ✓ **SK165 torch with HPC High Performance Cutting technology and coaxial cable**
- ✓ **Digital display for the digital control of all parameters**
- ✓ **Very high cutting power**
- ✓ **More productivity thanks to high quality and cutting speed**



- ▶ Reduced operating costs granted by longer life of the consumable parts
- ▶ Electronic control for an excellent cutting quality
- ▶ Professional high flow air circulation
- ▶ Pilot arc torch
- ▶ Possibility of cutting grids and perforated lamination sheets
- ▶ Contact cutting possibility
- ▶ Ability to gouging jobs
- ▶ Cutting parameter stability within $\pm 20\%$ mains voltage fluctuations
- ▶ Shockproof and dustproof control rack protection cover
- ▶ Electric protection on the torch for the maximum safety of the operator

CUTTING SPEED CHART



SK165



SKM165



Possibility of CNC automated cutting for SHARK 155-M power source when fitted with SKM165 machine torch



234927



418507



343958



022083



410686



427530



427529



418488

TECHNICAL DATA

		SHARK 155
Input Voltage 50/60 Hz	V	400-3ph
Input Power @ I ₂ Max	kVA	27,5
Delayed Fuse (I eff)	A	32
Power factor / cos φ		0,89 / 0,99
Efficiency Degree	%	88
Current range	A	25 ÷ 150
Duty Cycle at (40°C)	100%	A 100
	60%	A 120
	x%	A 150 (30%)
Motorgenerator requirement for full capacity	kVA	50
Cutting Capacity	Recommended	mm 45
	Maximum	mm 50
	Severance	mm 60
	Piercing	mm 25
Gas supply		Air / N ₂
Gas Pressure	bar	5,0 - 6,0
Gas Flow	l/min	360 ÷ 410
Protection Class	IP	23 S
Dimensions	mm	515x290x730
Weight	Kg	48

ORDER INFORMATION

CODE	MANUAL CUTTING	EURO
004435	SHARK 155 400V-3 Ph. with SK165 torch - 6 m , 35 mm ² / 4 m ground cable & kit of spares (343059)	8.100,00
004442	SHARK 155 400V-3 Ph. with SK165 torch - 12 m , 35 mm ² / 4 m ground cable & kit of spares (343059)	8.380,00
PLASMA TORCHES		
022032	Manual torch SK165 6 m 160 A	1.001,00
022034	Manual torch SK165 12 m 160 A	1.253,00
022083	Manual Long torch SK165XL 1,30 m / 45° - 7,5 m cable 160 A	2.733,00
343958	Consumable Basic Kit Box for SK165 (Page 25)	628,00
343059	Consumable Starting Kit for SK165 : 1 Electrode, 1 Nozzle 105A, 1 Nozzle 125 A, 1 Nozzle 160 A, 1 Shield cap 105-160 A	105,00
ACCESSORIES		
418488	Compass for SK165 torch	189,00
410686	Wheeled torch holder guide	103,00
418507	Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting	695,00
234927	Transport Trolley CTP 15	324,00
427529	Compressed air filter	183,00
427530	Filter cartridge. Package of 4 pcs	40,00
CODE	MECHANIZED CUTTING	EURO
004436	SHARK 155-M 400V-3 Ph. with SKM165 torch 6 m - 35 mm ² / 4 m ground cable	8.400,00
004437	SHARK 155-M 400V-3 Ph. with SKM165 torch 12 m - 35 mm ² / 4 m ground cable	8.710,00
PLASMA TORCHES		
022076	Machine Straight Torch SKM165 6 m - 160 A	1.476,00
022082	Machine Straight Torch SKM165 12 m - 160 A	1.703,00
CODE	MECHANIZED CUTTING BY ROBOT / PLC	EURO
004439	SHARK 155-MR 400V-3 Ph. -with torch 6 m torch SKM165 - 35 mm ² / 4 m ground cable - complete with ROBOMAT 1 interface and 5 m cable for connection with automated equipment	9.880,00
004440	SHARK 155-MR 400V-3 Ph. -with torch 12 m torch SKM165 - 35 mm ² / 4 m ground cable - complete with ROBOMAT 1 interface and 5 m cable for connection with automated equipment	10.190,00

Other voltages available on request



Torch	Current	Back Striking	HPC	Coaxial cable	Quick connector	Length
SK25	30 A @ 40%	✓		✓		4 m
SK75	70 A @ 50%		✓	✓	✓	6 / 12 m
SK125	125 A @ 60%		✓	✓	✓	6 / 12 m
SK165	160 A @ 60%		✓	✓	✓	6 / 12 m
SK165XL	160 A @ 60%		✓	✓	✓	7,5 m
SKM75	70 A @ 50%		✓	✓	✓	6 / 12 m
SKM125	125 A @ 60%		✓	✓	✓	6 / 12 m
SKM165	160 A @ 60%		✓	✓	✓	6 / 12 m

SK AND SKM TORCHES

SK and SKM torches used for SHARK equipment are the result of research carried out in the last decade, in order to improve the performance of the plasma cutting beam, thus increasing its control and its thermal energy.

SK25 torches, used on single phase equipment, are based on back striking technology which produces consistently precise arc striking with a consequent longer life of the consumables.

SK75 - SK125 - SK165 - SK165xl torches for manual cutting and **SKM75 - SKM125 - SKM165** machine torches for mechanized cutting are characterized by High Performance Cutting HPC technology which allows an increase in air quantity and speed, to better concentrate the plasma cutting beam and to stabilize the cutting arc, thus achieving:

- high cutting speed
- optimal quality and cleanliness of the cut surfaces
- high concentration of the plasma cutting beam
- lack of dross
- reduction in the heat affected zone
- longer life of the consumables
- piercing on lamination achieved in shorter times

All SK and SKM torches are fitted with a **coaxial cable** which combines great flexibility to robustness and resistance to crushing.

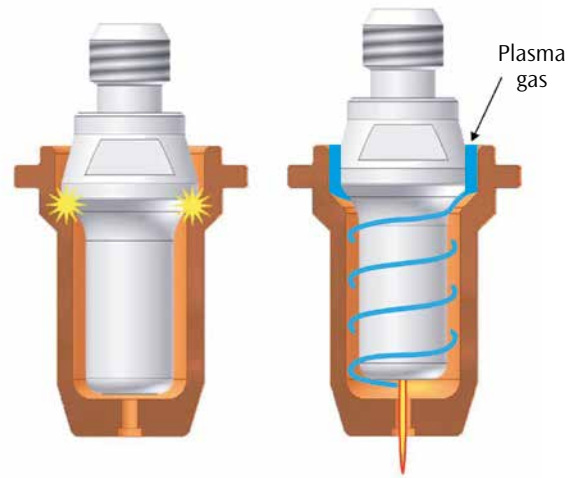
TORCH TECHNOLOGY

BACK STRIKING

It represents the best solution for plasma torches up to 60 A. In conventional torches without high frequency, the arc striking is obtained by means of compressed air which moves away the electrode head from the inner part of the nozzle. This system causes, in the plasma flow exit area, both electrode and nozzle material deterioration because of burns and deformations subsequent to pilot arc striking between them. In contrast, the back striking system takes place in the rear side of the electrode and nozzle, thus leaving clean and unaltered the flow exit area.

Main advantages are:

- Longer life of the consumables
- Striking always precise and safe
- Better cutting quality over time

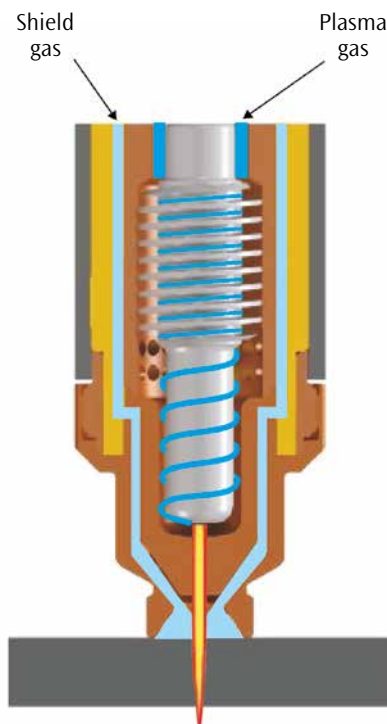


HIGH PERFORMANCE CUTTING - HPC

HPC – High Performance Cutting technology permits the generation of radial and swirling gas flows to the cutting arc axis, thus creating a plasma beam at a very high temperature that melts and vaporizes the surface being cut in a more efficient way.

This technology also avoids the phenomenon of the double arc – formation of two arcs in series between the cathode and the workpiece surface – the main reason for damage to the nozzle and arc instability – by ensuring the highest quality and the best cutting performance together with a longer life of the consumables.

High Performance Cutting technology is the very best choice for plasma torches with nominal cutting currents above 60 A.



New **High Performance Cutting SK torches** increase the density of the plasma cutting beam and reduce the width of the arc cut area, by producing a narrower and less inclined cut. This is achieved by easily removing the molten material with a consequent improvement of the cutting quality, which shows neat cuts, lack of dross, minimal heat-affected zone and sufficiently squared edges.

Main advantages are:

- Better cutting quality
- High cutting speeds
- Narrower cuts
- Longer life of the consumables

Swirling gas flow and collimation of the beam



CS - ORIGINAL SPARE PARTS

CS is our guarantee hallmark for CEA PLASMATECH consumables. All original consumables belonging to SK and SKM torches of SHARK equipment are CS marked to prove the origin. The CS mark, present on all consumables, is the guarantee that all declared performances can be achieved.

Geometric shape study of torch components, quality in their employed materials, precision in machining and coupling - the results of years of experience - form the basis of SK and SKM torch development and utilization with our cutting power sources.

The use of CS marked original consumables is strictly recommended.

The reason for this is that the use of non original parts, besides affecting the optimal performance of the equipment, will tend to generate overheating and changes in the electrical voltages with the consequent risk of:

- Overheating and damage to the torch
- Poor performance and damage to the power source
- Worsening in cutting quality
- Compromised safety of the equipment

Considering the foregoing, using non original CS marked components will render void all warranty and CEA PLASMATECH can no longer be deemed responsible for any consequent accident or injury which might occur.



BASIC CONSUMABLE KIT BOX

BASIC CONSUMABLE KIT BOX are the best solutions for having an easy and complete range of consumables for the torches: SK75; SK125; SK 165. We based this kit on our experience and we've included a wide range of consumable: nozzle, external nozzle, electrode, shield, swirl ring, o-ring and siliconic lubricant for o-ring. We're sure that this kit will be very useful for all those who do not want to run out of consumable.

Kit Box for **SK75**

CODE **343956**
Euro **540,00**



POS.	CODE	DESCRIPTION	QTY.
1	433605	O-ring	2
2	425022	Electrode	20
3	482134	Swirl ring	1
4	408609	Nozzle 50 A	5
5	408610	Nozzle 70 A	15
6	486049	External nozzle	1
7	487630	Shield cap (manual cut)	2
8	425059	Extended electrode	3
9	408623	Extended nozzle 50 A	1
10	408624	Extended nozzle 70 A	2
11	424490	Extended Shield cap (manual cut)	1
12	---	Silicone lubricant for O-Ring	1

Kit Box for **SK125**

CODE **343957**
Euro **483,00**



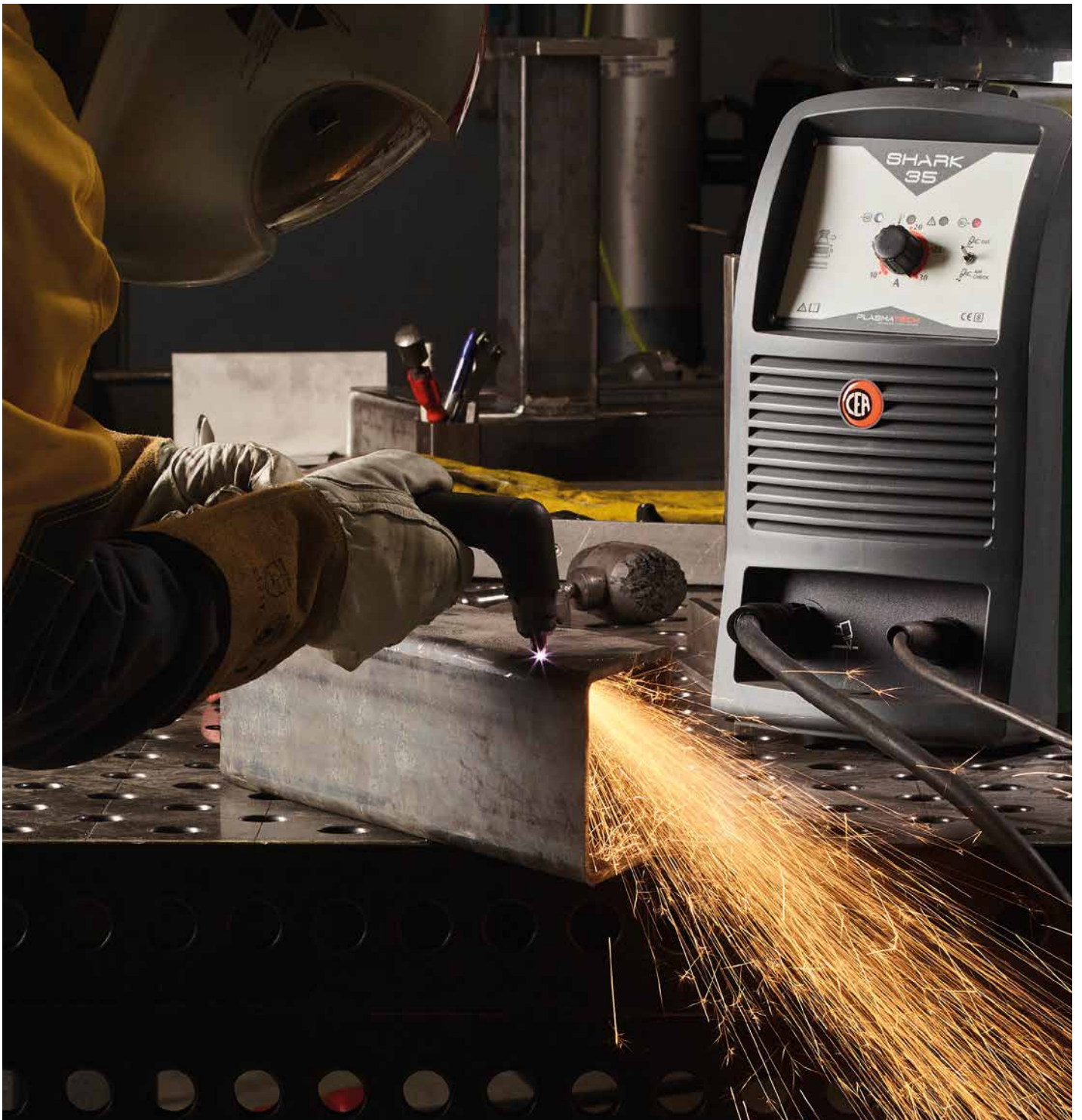
POS.	CODE	DESCRIPTION	QTY.
1	433608	O-ring	2
2	482135	Swirl ring 45-85 A	1
3	482136	Swirl ring 100-125 A	1
4	425023	Electrode	10
5	408616	Nozzle 85 A	5
6	408612	Nozzle 105 A	5
7	408617	Nozzle 125 A	5
8	486028	External nozzle 45-85 A	1
9	486029	External nozzle 100-125 A	1
10	487632	Shield cap 45-85 A (manual cut)	1
11	487631	Shield cap 100-125 A (manual cut)	1
12	---	Silicone lubricant for O-Ring	1

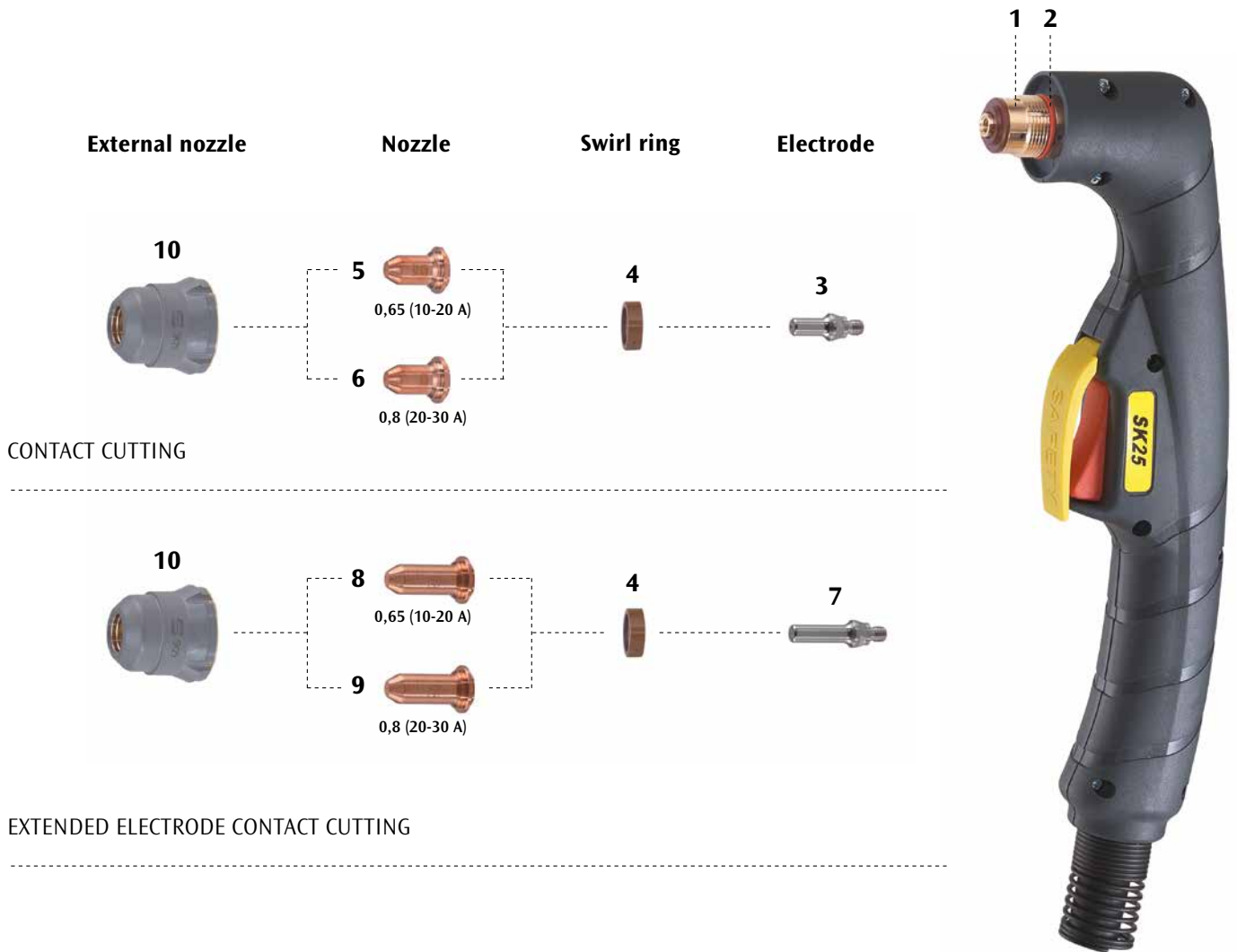
Kit Box for **SK165**

CODE **343958**
Euro **628,00**



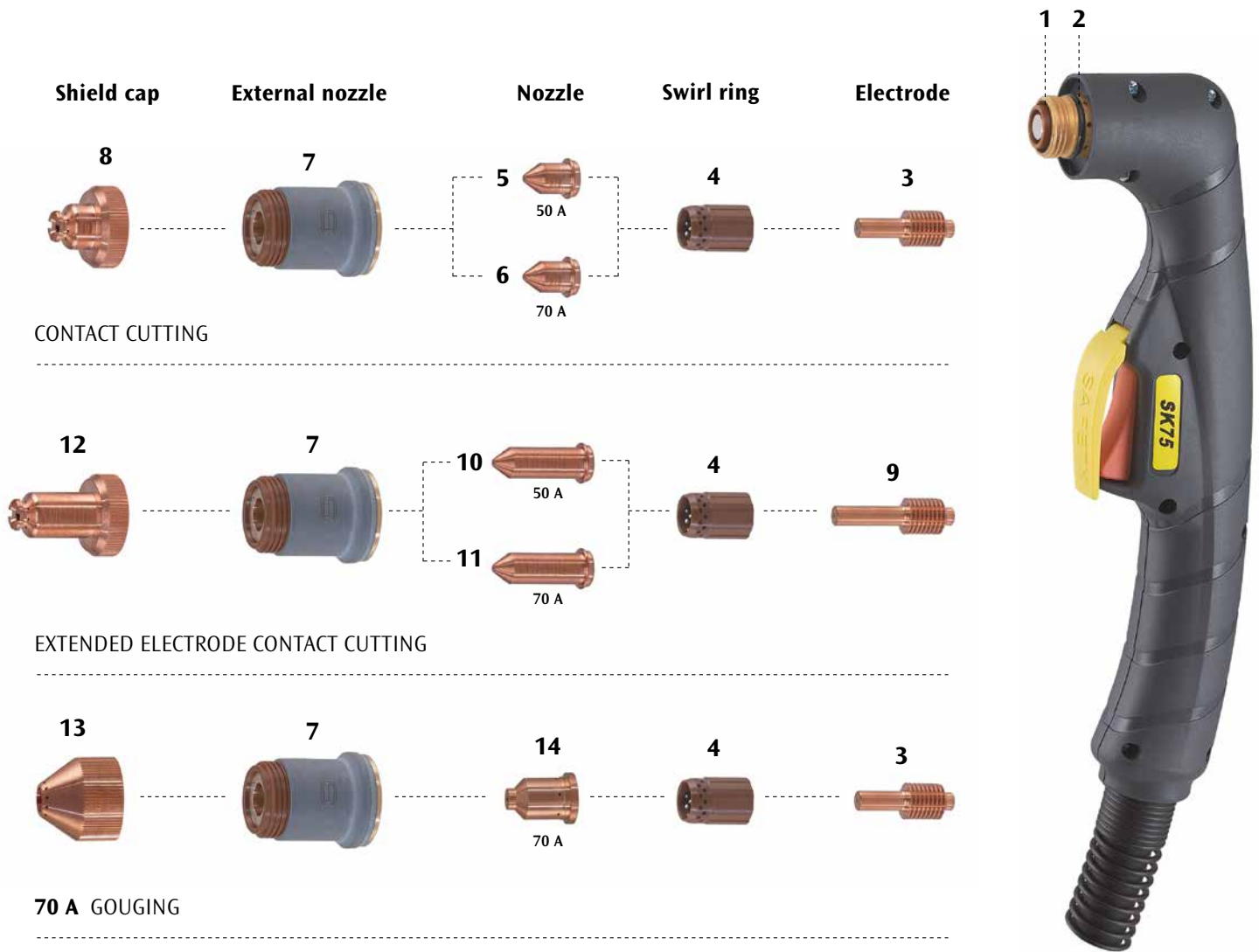
POS.	CODE	DESCRIPTION	QTY.
1	433609	O-ring	2
2	425024	Electrode	10
3	482137	Swirl ring	1
4	408642	Nozzle 85 A	5
5	408645	Nozzle 160 A	5
6	486021	External nozzle 45-85 A	1
7	486022	External nozzle 105-160 A	1
8	487633	Shield cap 45-85 A (manual cut)	1
9	487634	Shield cap 105-160 A (manual cut)	1
10	---	Silicone lubricant for O-Ring	1





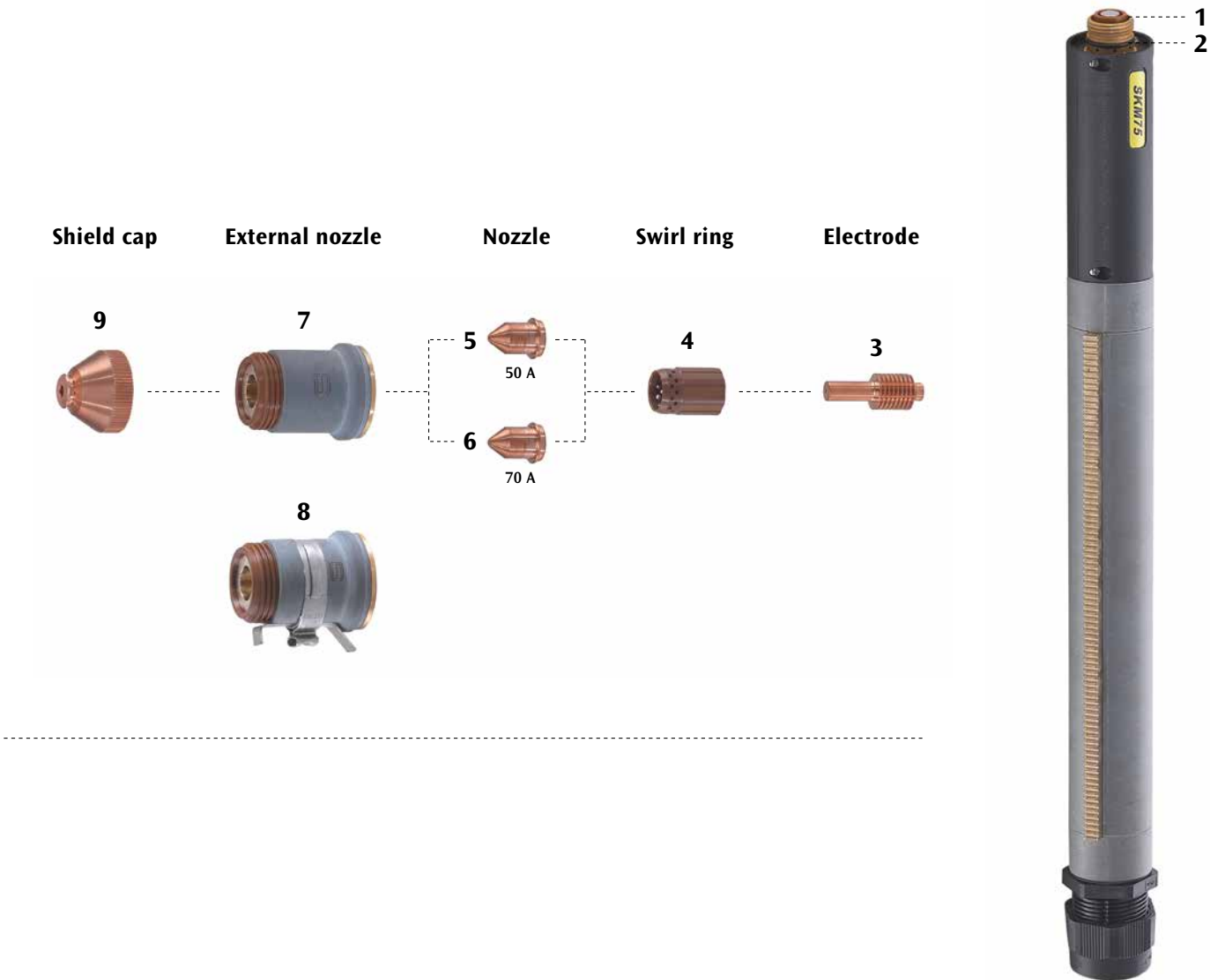
POS.	CODE	DESCRIPTION	BLISTER QTY.		EURO
1	422665	Torch body	1		186,00
2	433607	O-ring	10		12,00
3	425021	Electrode	10	•	58,00
4	482126	Swirl ring	5	•	78,00
5	408600	Nozzle contact cutting ø 0,65 (10-20 A)	10		52,00
6	408601	Nozzle contact cutting ø 0,8 (20-30 A)	10	•	52,00
7	425058	Extended electrode	5		55,00
8	408620	Extended nozzle contact cutting ø 0,65 (10-20 A)	5		54,00
9	408621	Extended nozzle contact cutting ø 0,8 (20-30 A)	5		55,00
10	486076	External nozzle	1	•	19,00

- Assembled on SK25 torch when supplied with the equipment



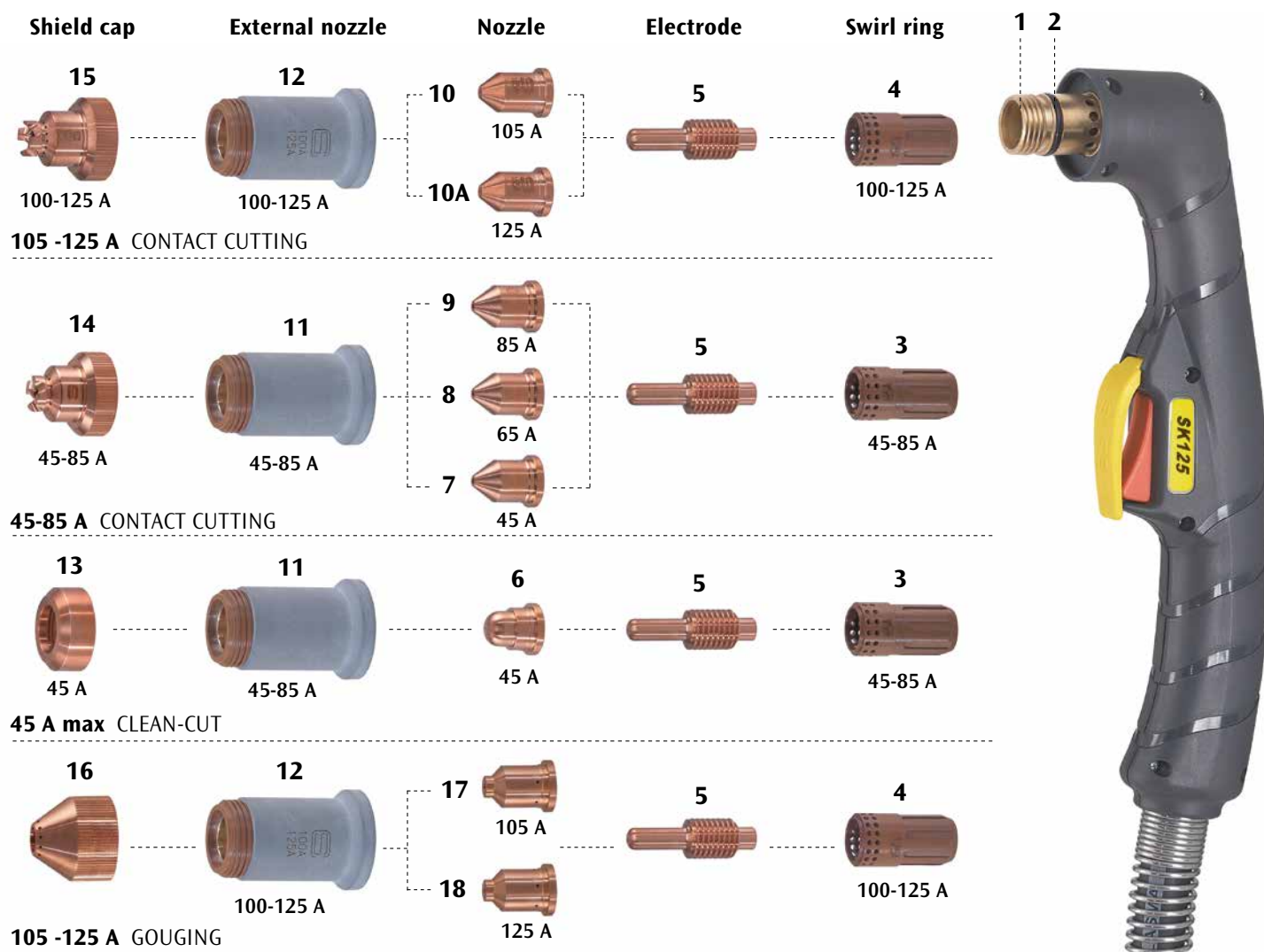
POS.	CODE	DESCRIPTION	BLISTER QTY.		EURO
1	422674	Torch body	1		244,00
2	433605	O-ring	20		31,00
3	425022	Electrode	5	•	42,00
4	482134	Swirl ring	2	•	85,00
5	408609	Nozzle 50 A	10		47,00
6	408610	Nozzle 70 A	10	•	47,00
7	486049	External nozzle	1	•	73,00
8	487630	Shield cap (manual cut)	2	•	53,00
9	425059	Extended electrode	5		104,00
10	408623	Extended nozzle 50 A	5		75,00
11	408624	Extended nozzle 70 A	5		75,00
12	424490	Extended Shield cap (manual cut)	2		78,00
13	487642	Shield cap (gouging)	2		68,00
14	408635	Nozzle for gouging 70 A	10		74,00

- Assembled on SK75 torch when supplied with the equipment



POS.	CODE	DESCRIPTION	BLISTER QTY.		EURO
1	422676	Torch body	1		333,00
2	433605	O-ring	20		31,00
3	425022	Electrode	5	•	42,00
4	482134	Swirl ring	2	•	85,00
5	408609	Nozzle 50 A	10		47,00
6	408610	Nozzle 70 A	10	•	47,00
7	486049	External nozzle	1	•	73,00
8	486027	External nozzle with ohmic sensor	1		107,00
9	487629	Shield cap (mechanized cutting)	2	•	52,00

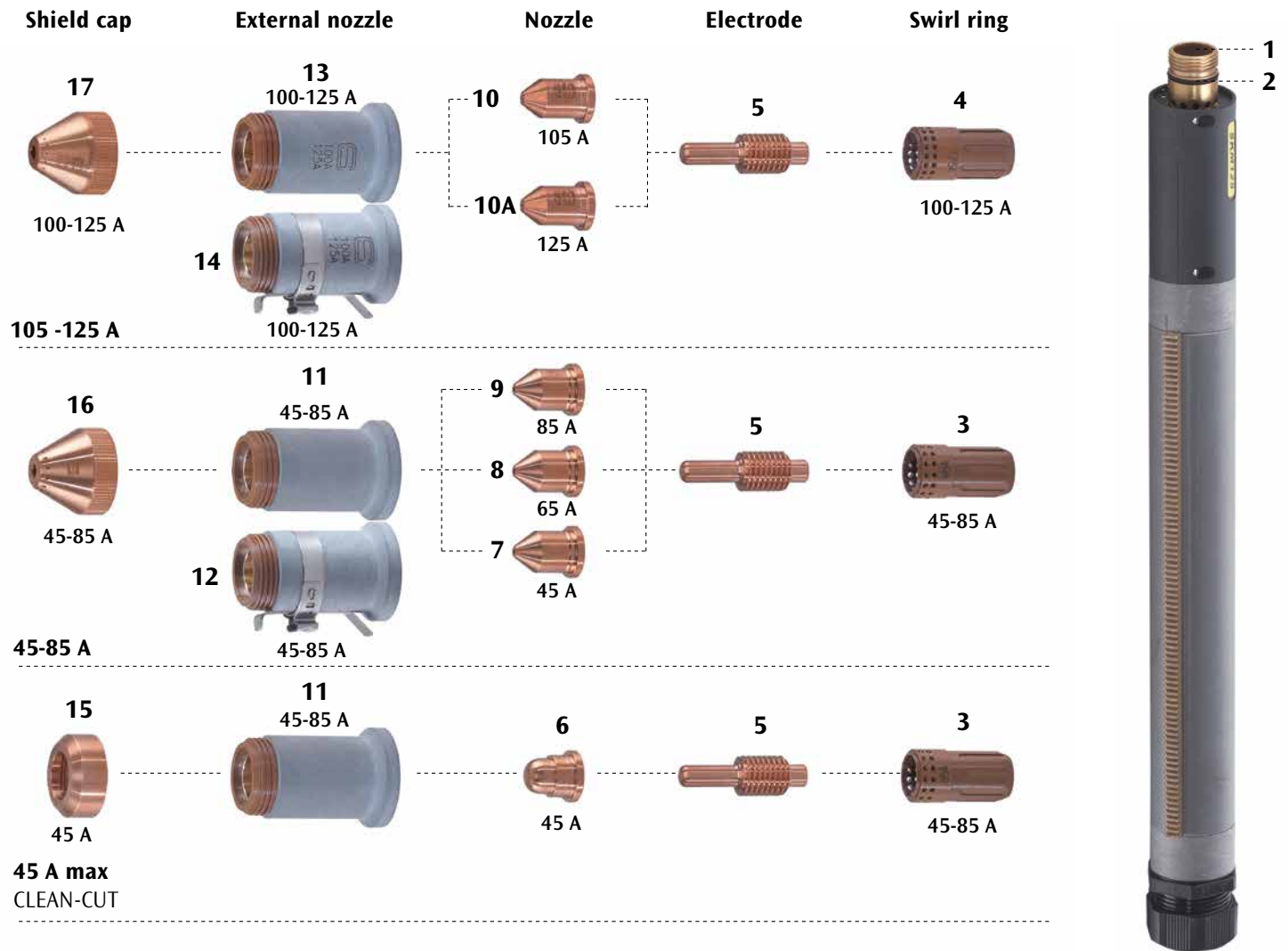
- Assembled on SKM75 torch when supplied with the equipment



POS.	CODE	DESCRIPTION	BLISTER QTY.		EURO
1	422675	Torch body	1		320,00
2	433608	O-ring	20		31,00
3	482135	Swirl ring 45-85 A	2		91,00
4	482136	Swirl ring 100-125 A	2	● ▲	93,00
5	425023	Electrode	5	● ▲	48,00
6	408613	Nozzle 45 A, Clean-Cut	10		127,00
7	408614	Nozzle 45 A	10		68,00
8	408615	Nozzle 65 A	10		68,00
9	408616	Nozzle 85 A	10		68,00
10	408612	Nozzle 105 A	10	●	72,00
10A	408617	Nozzle 125 A	10	▲	82,00
11	486028	External nozzle, 45-85 A	1		77,00
12	486029	External nozzle, 100-125 A	1	● ▲	77,00
13	482030	Shield cap 45 A - Clean-Cut	3		46,00
14	487632	Shield cap 45-85 A (manual cut)	2		54,00
15	487631	Shield cap 100-125 A (manual cut)	2	● ▲	56,00
16	487640	Shield cap (gouging)	3		81,00
17	408631	Nozzle 105 A (gouging)	5		80,00
18	408634	Nozzle 125 A (gouging)	5		80,00

● Assembled on SK125 torch when supplied with the equipment SHARK 105-M/MR

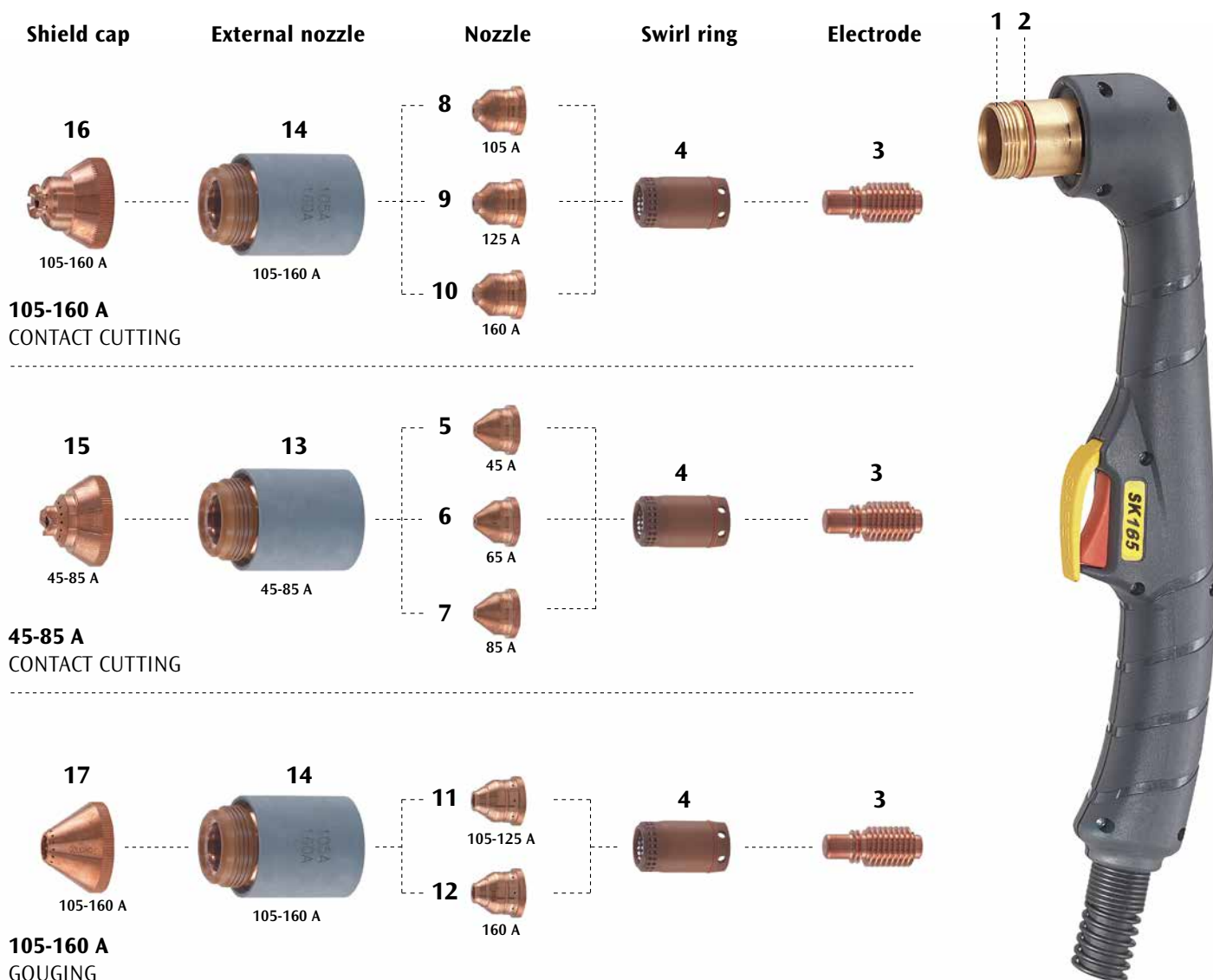
▲ Assembled on SK125 torch when supplied with the equipment SHARK 125-M/MR



POS.	CODE	DESCRIPTION	BLISTER QTY.		EURO
1	422677	Torch body	1		424,00
2	433608	O-ring	20		31,00
3	482135	Swirl ring 45-85 A	2		91,00
4	482136	Swirl ring 100-125 A	2	● ▲	93,00
5	425023	Electrode	5	● ▲	48,00
6	408613	Nozzle 45 A, Clean-Cut	10		127,00
7	408614	Nozzle 45 A	10		68,00
8	408615	Nozzle 65 A	10		68,00
9	408616	Nozzle 85 A	10		68,00
10	408612	Nozzle 105 A	10	●	72,00
10A	408617	Nozzle 125 A	10	▲	82,00
11	486028	External nozzle 45-85 A	1		77,00
12	486025	External nozzle 45-85 A with ohmic sensor	1		119,00
13	486029	External nozzle 100-125 A	1	● ▲	77,00
14	486026	External nozzle 100-125 A with ohmic sensor	1		119,00
15	482030	Shield cap 45 A - Clean-Cut	3		46,00
16	487635	Shield cap 45-85 A (mechanized cutting)	2	● ▲	51,00
17	487636	Shield cap 100-125 A (mechanized cutting)	2		54,00

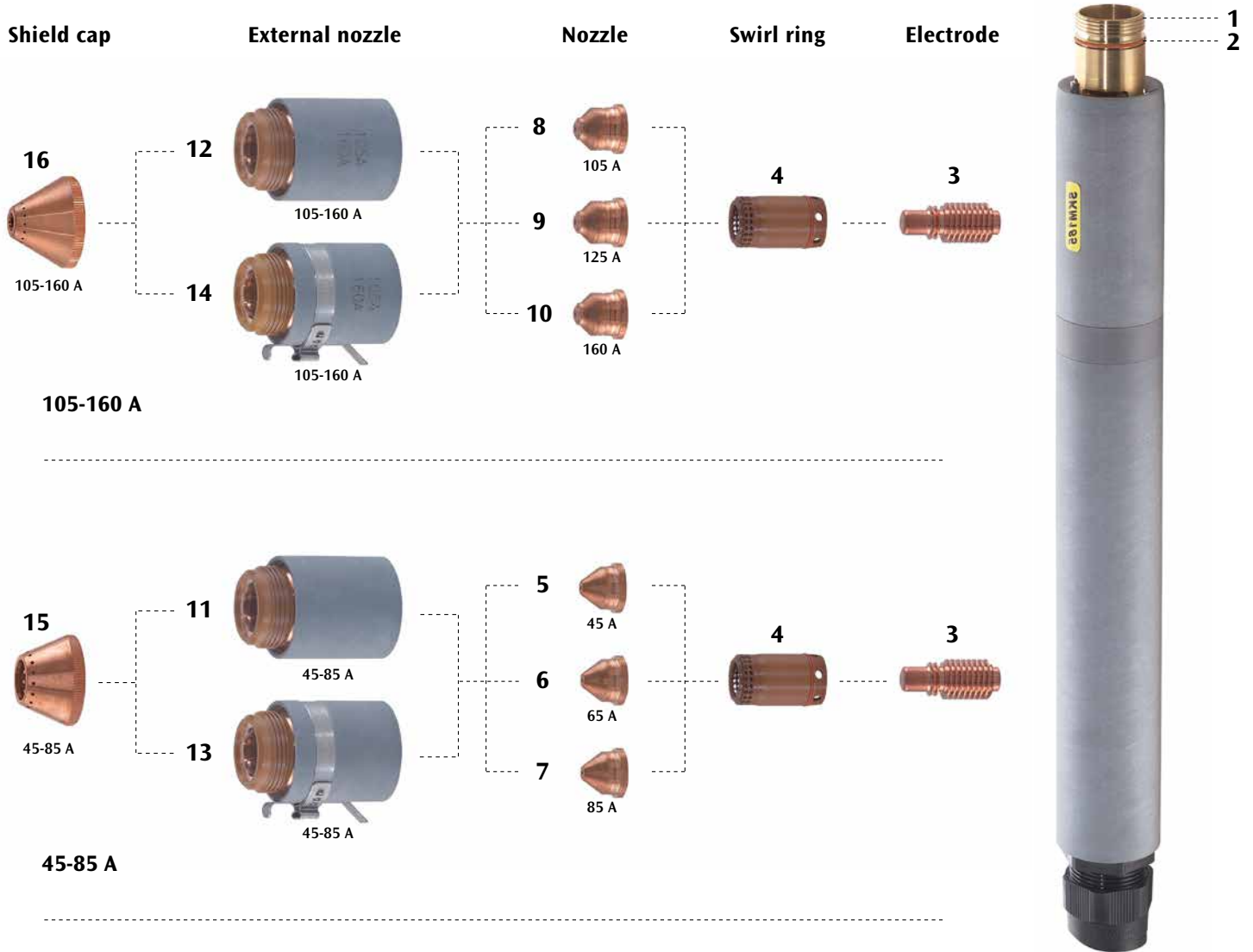
● Assembled on SKM125 torch when supplied with the equipment SHARK 105-M/MR

▲ Assembled on SKM125 torch when supplied with the equipment SHARK 125-M/MR



POS.	CODE	DESCRIPTION	BLISTER QTY.		EURO
1	422678	Torch body	1		527,00
1A	422681	Torch Body 45° (SK165XL)	1		710,00
2	433609	O-ring	20		44,00
3	425024	Electrode	5	•	73,00
4	482137	Swirl ring	2	•	131,00
5	408640	Nozzle 45 A	10		86,00
6	408641	Nozzle 65 A	10		86,00
7	408642	Nozzle 85 A	10		86,00
8	408643	Nozzle 105 A	10		91,00
9	408644	Nozzle 125 A	10		91,00
10	408645	Nozzle 160 A	10	•	91,00
11	408632	Nozzle for gouging 105-125 A	10		166,00
12	408633	Nozzle for gouging 160 A	10		166,00
13	486021	External nozzle 45-85 A	1		118,00
14	486022	External nozzle 105-160 A	1	•	118,00
15	487633	Shield cap 45-85 A (manual cut)	2		85,00
16	487634	Shield cap 105-160 A (manual cut)	2	•	91,00
17	487641	Shield cap (gouging)	2		78,00

• Assembled on SK165 torch when supplied with the equipment



POS.	CODE	DESCRIPTION	BLISTER QTY.		EURO
1	422679	Torch body	1		871,00
2	433609	O-ring	20		44,00
3	425024	Electrode	5	•	73,00
4	482137	Swirl ring	2	•	131,00
5	408640	Nozzle 45A	10		86,00
6	408641	Nozzle 65A	10		86,00
7	408642	Nozzle 85A	10		86,00
8	408643	Nozzle 105A	10		91,00
9	408644	Nozzle 125A	10		91,00
10	408645	Nozzle 160A	10	•	91,00
11	486021	External nozzle 45-85 A	1		118,00
12	486022	External nozzle 105-160 A	1	•	118,00
13	486023	External nozzle 45-85 A with ohmic sensor	1		144,00
14	486024	External nozzle 105-160 A with ohmic sensor	1		144,00
15	487637	Shield cap 45-85 A (machine cut)	2		78,00
16	487638	Shield cap 105-160 A (machine cut)	2	•	81,00

• Assembled on SKM165 torch when supplied with the equipment

BEVEL TOOL KIT

Necessary for beveling edges in a precise way, this accessory is composed by:

- Compass for both straight and inclined cutting
- Adjustable axle support for both straight and inclined cutting
- Wheeled torch holder



COMPASS

To perform circular cutting on all metals. The compass is standard equipped with the **wheeled torch holder** ideal for manual cutting jobs.



COMPRESSED AIR FILTER

By reducing humidity from the compressed air, it allows to supply dry filtered air, which ensures a better performance during cutting operations.



ULTRALUX MASK AND GOGGLES



CODE 439232 - Euro 299,00

Safe protection during cutting process from UV and IR rays, heat and sparks. DIN 9÷13 fully adjustable darkening level. EN 175 standard compliance.



CODE 439255 - Euro 37,00

UV/IR 5.0 protection goggles recommended for cutting up to 50A. EN 166 standard compliance.

LONG TORCH SK165XL



CODE 022083 Euro 2.733,00

LONG TORCH SK165XL - 1,30 m / 45° - cable 7,5 m



GENERAL SALES CONDITIONS

1) The present PRICE LIST is cancelling and replacing any previous issue and herein contained prices always refer to products and parts to be despatched on ex-works basis with standard packaging, i.e. carton on wooden pallet. For applicable discounts the buyer should refer to CEA separate communication, which is also reflected into the order acknowledgement.

2) ORDER HANDLING. Purchase orders must be sent in writing and complete with all requested codes as shown in the current Price-List and will be subject to all sales conditions herein contained. Order Acknowledgements will be sent to the buyer for his full checking, thus avoiding any misunderstanding on ordered parts. The estimated availability date from CEA premises is the date specified in CEA Order Acknowledgement indicating that the buyer's order has been planned for production and given date is the one expected for goods collection by the buyer's appointed carrier, with every effort made by CEA to meet that date. In no case, delayed deliveries will entitle the buyer to compensation or contract rescission. CEA also declines any responsibility for delays in deliveries caused by force majeure or circumstances beyond CEA control. Any discrepancy in our Order Acknowledgement must be communicated to CEA in writing within 2 days after its receipt; if not, the order will be considered firm and will be processed accordingly. CEA is entitled to make partial deliveries, unless differently specified in the purchase order.

3) MINIMUM ORDERS. Shipment of cumulative orders below EURO 100.00, except for backorder, will be subject to EURO 20.00 as "invoice charges" to be shown in the Order Acknowledgement.

4) SHIPPING & FREIGHT. Insurance, F.O.B. Italian port, inland, air or seafreight and all other shipping charges are at the buyer's expense. CEA reserves the right to choose freight forwarder for any prepaid F.O.B. Italian port, inland, air or seafreight shipments, whenever accepted. Such charges, together with any additional export packaging charge, such as wooden crate or case, will be duly shown and debited in the CEA Order Acknowledgement and/or final invoice.

5) FREIGHT DAMAGE, PILFERAGE & DAMAGE CLAIM. Goods are always sold at the buyer's risk, so the buyer must always insure any consignment on "door to door" basis and "against all risks" the goods might suffer during transport. So, shipment damages are responsibility of the buyer in all circumstances. Clear full shipping information is to be provided in writing for each order by specifying the appointed carrier. The buyer is therefore strongly recommended, above all in case of LCL (groupage) shipments, to carefully weigh all pallets upon receipt to see if weights do correspond to those indicated in both CEA Packing List and invoice, in order to immediately detect any suffered pilferage upon receipt and be re-im-bursed by the buyer's insurance and/or the appointed carrier.

Only for shipments despatched on C.I.F. or DDU basis, whenever accepted by CEA and duly indicated in the CEA Order Acknowledgement and/or final invoice, to process a damage claim, the buyer must submit a Claim Report by registered letter to the carrier and CEA's insurance company, i.e. M/s ASSITECA – S.A. Insurance Brokers Spa, Via Serra 6 – 16122 GENOVA, in copy to CEA, bearing in mind that a franchise clause of 10% of the goods value with a minimum franchise amount of 700 EURO is always applied. For "visible damages" the Claim Report must be submitted immediately the same day of the goods receipt, whilst for "hidden damages" the maximum allowed time by CEA's insurance company is 3 working days to be counted from the day of receipt. When notifying about the suffered shortages and/or damages, the buyer must also send a copy of the goods Delivery Note clearly indicating list of the shortages and/or damages to be listed in detail in the appropriate Remarks Box. In case of "visible damages" the lack of a "detailed reserve clause" in the Delivery Note Remarks Box will not entitle the buyer to any reimbursement. Whenever a damage file is forwarded, the received goods must be kept in the same conditions as received for a possible inspection that CEA's insurance company might require. For FCL (full container) loads only, the integrity of the original seals - both shipping company seal and CEA seal are duly indicated on all shipping documents - must be carefully checked before accepting any goods delivery and lack of original seals must be clearly stated in the Delivery Note Remarks Box.

6) ACCEPTANCE OF GOODS. Shipments will be considered "accepted by the buyer" and "conforming to CEA shipping documents" unless a detailed non conformity registered letter is received by CEA within 3 working days to be counted from the day of goods receipt. Involved responsibility for shortages must be proven and detailed, after carefully weighing all pallets upon receipt as said at previous point.

7) WARRANTY PERIOD & WARRANTY FORM. All items contained in this Price-List are covered by 24-month* warranty on ex-works basis to be counted from CEA shipping invoice date, provided that machines are used for single-shift operation. For double or triple shift operation warranty period for machines and related parts is reduced to 1-year warranty only. Warranty does not apply to any cutting torches with their related consumable spares (see dedicated pages), safety quick connections and all accessories subject to normal wear and tear in general.

CEA warranty implies the simple repairing or replacement, on ex-works basis, of any defective parts after receipt and inspection in CEA premises of free delivered defective parts, to be strictly sent back to CEA together with CEA Warranty Form. To take advantage of the warranty, the customer must fill in the "REPAIR FORM" in all its forms, which is always available in the MyCEA reserved area. CEA will consider valid the Warranty Form date only when parts are anyway received in CEA not later than 3 months after the Warranty form date.

In case of warranty repairs, the warranty for the machine and replaced parts will continue to the end of the original warranty period.

Spare parts supplied separately for non-warranty repairs are covered by 6-month warranty.

The parts replaced under the terms of warranty remain property of CEA.

8) EXCLUSION OF WARRANTY. CEA warranty neither applies to products or part which have been modified in any way, tampered, dismantled partly or completely by any party other than CEA or CEA authorised Service Agent; nor to products or part damaged due to transport, storage, use of non original CEA spare parts, use of inadequate ancillary equipment, misuse, overloading, negligent improper operation or installation, incorrect or faulty supply voltage, regardless of the instructions for use as clearly detailed in the operating manual; nor to products or part lacking the necessary maintenance, cleaning and periodical checks as strictly prescribed in the operating manual; nor to products or part damaged subsequent to accidents, exterior influences and force majeure events including but not limited to fire, water, lightning, acts of God etcetera beyond CEA control. As said, warranty becomes void in case defects are due to natural wear and tear and whenever the machines are lacking the original label clearly identifying the serial number. Also use of the product after disco very of any defect voids the warranty.

9) WARRANTY LIMITATION. CEA liability is strictly limited to the amount that the buyer has originally paid for the purchased items. The CEA warranty never extends to the obligation to provide compensation for damages, direct and/or indirect, of any type, which may be suffered by persons or things, as a result of non-operation or fault or defect of any CEA equipment and/or its components. CEA does not accept any liability for damages based on any claim from third parties.

10) WARRANTY REPAIRING POLICY. Any goods to be returned for repairing will have to be free delivered to CEA premises. All repaired goods will be returned to the buyer's on ex-works basis. Parts determined not to be repairable might be returned to the buyer's with first available shipment. Any repairing made in CEA premises only by CEA personnel will be fully free of charge during the warranty period, whilst any repairing made by CEA personnel at the buyer's on his request, also during the warranty period, will be charged. The labour provided by the buyer, also during the warranty period, will be on his own account.

11) RETURNED MERCHANDISE POLICY. No returned goods will be accepted unless specific written permission has been granted by CEA. Only new and unused standard catalogued items of current production range and in the original packaging may be returned after CEA permission. All returns must be free delivered to CEA premises and full set of related shipping documents must go with any returned goods. All returned material will be subject to 20% restocking charge with a minimum value of EURO 50.00. Upon receipt, CEA will inspect the items and involved amount will be deducted from pending or future due payments. Any unforeseen and additional reworking charge, including transport damages, if any, will be communicated before being taken and charged.

12) PAYMENTS. On payment expiry date, CEA is entitled to issue drafts without any notice and from that date accrued legal interests will be calculated at current rates to be debited to the buyer together with any incurred collection and/or legal expenses. Any delay versus agreed payment terms will give CEA the unilateral right to withdraw from the supply of acknowledged orders and any required parts even to meet warranty repairs in progress.

For all export shipments, all payments and/or L/C's irrevocable and confirmed payable at sight against shipping documents are requested to be forwarded to: UNICREDIT SPA – Lungo Lario Isonzo 3 - 23900 LECCO (Italy).

Account no. 4289057 - SWIFT: UNCRITM1335 - IBAN IT95 X02008229 00000004289057

or

DEUTSCHE BANK SPA - Piazza Mazzini 15 - 23900 LECCO (Italy).

Account no. 47797 - SWIFT: DEUTITMM001 - IBAN IT79 N03104229 01000000047797

Whenever special and non standard versions are requested, CEA will require a firm order together with "non refundable advanced payment deposit", whose entity will be specified each time, to be retained by CEA, in case of unfair cancellation there of, as compensation for the unsold machine.

13) PRICE LIST CHANGES. CEA reserves the right to modify in any moment any price and item contained in the Price-List without any previous notice and this will not entitle the buyer to any compensation.

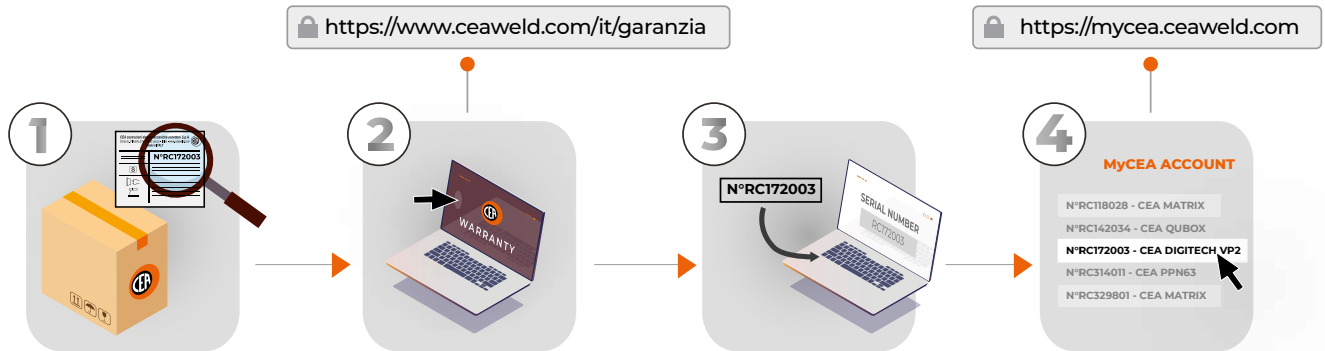
14) JURISDICTION. Any disputes shall be governed in all respects by the Italian law, as a result of the out-of-court decision of 3 arbitrators. Law Court of Lecco is the only competent court, unless differently decided by CEA at his own discretion.

* Detailed conditions are available in the MyCEA reserved area

WARRANTY EXTENSION

This extended warranty is free of charge, but it requires the mandatory registration of the equipment through the website www.ceaweld.com. For any further information, please, check the QR CODE print on this page.

With this procedure CEA is pleased to ensure - instead of the standard warranty condition described in the ongoing price-list - all its appointed dealers a "CEA WARRANTY EXTENSION UP TO 5 YEARS" on ex-works basis on all "price-list standard" Arc welding, Resistance Welding and Plasma cutting equipment and/or items.



DOWNLOAD THE WARRANTY
EXTENSION AGREEMENT IN
YOUR RESERVED AREA:



U P T O
5
Y E A R S



WARRANTY EXTENSION PERIOD (1 shift)

5 years

- Main transformer
- Output inductors

3 years

- Power source
- Wire feeder
- Cooling units

1 year and 6 months

- Resistance welding equipment with standard serial number

1 year

- Cooling pumps
- Automation product
- Fan motors
- Main contactors
- Wire feeder motors
- Solenoid valves
- Welding Masks (welding helmet)

6 months

- Separately supplied spare parts

WARRANTY EXTENSION PERIOD (2-3 shift)

2 years and 6 months

- Main transformer
- Output inductors

1 year and 6 months

- Power source
- Wire feeder
- Cooling units
- Resistance welding equipment with standard serial number

6 months

- Cooling pumps
- Automation products
- Fan motors
- Main contactors
- Wire feeder motors
- Solenoid valves
- Welding Masks (welding helmet)
- Separately supplied spare parts



CEA PLASMATECH PRICE LIST

PLASMATECH.LIST.26.03.ENG

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