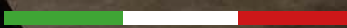




plasma cutting catalogue

2026

SINCE 1950



WELDING TOGETHER



PLASMA TECH

CEA PLASMA CUTTING DIVISION

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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.

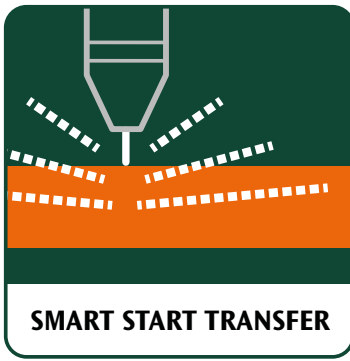
- Electronic control for excellent cutting quality
- Professional high flow air circulation
- Pilot arc torch
- Possibility of cutting grates and perforated lamination sheets
- Possibility of contact cutting with currents lower than 50 A, without any guiding device or other spacers.
- Regulator group 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%) | - | 150 (30%) |
| Cutting Capacity | Recommended | mm | 8 | 12 | 10 | 12 | 15 | 20 | 30 | 40 | 45 |
| | Maximum Severance | mm | 10 | 15 | 12 | 15 | 20 | 25 | 35 | 45 | 50 |
| | | mm | 15 | 20 | 18 | 20 | 25 | 30 | 40 | 50 | 60 |
| | Piercing | mm | - | 10 | - | 10 | 12 | 15 | 20 | 25 | 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%) | 150 (30%) |
| Cutting Capacity @ I ₂ Max | Quality | mm | 8 | 12 | 15 | 25 | 30 | 30 | 32 | 32 |
| | Production | mm | 10 | 15 | 20 | 30 | 35 | 35 | 40 | 40 |
| | | mm | 15 | 20 | 25 | 35 | 45 | 45 | 50 | 50 |
| | Piercing | mm | 10 | 12 | 15 | 20 | 25 | 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.

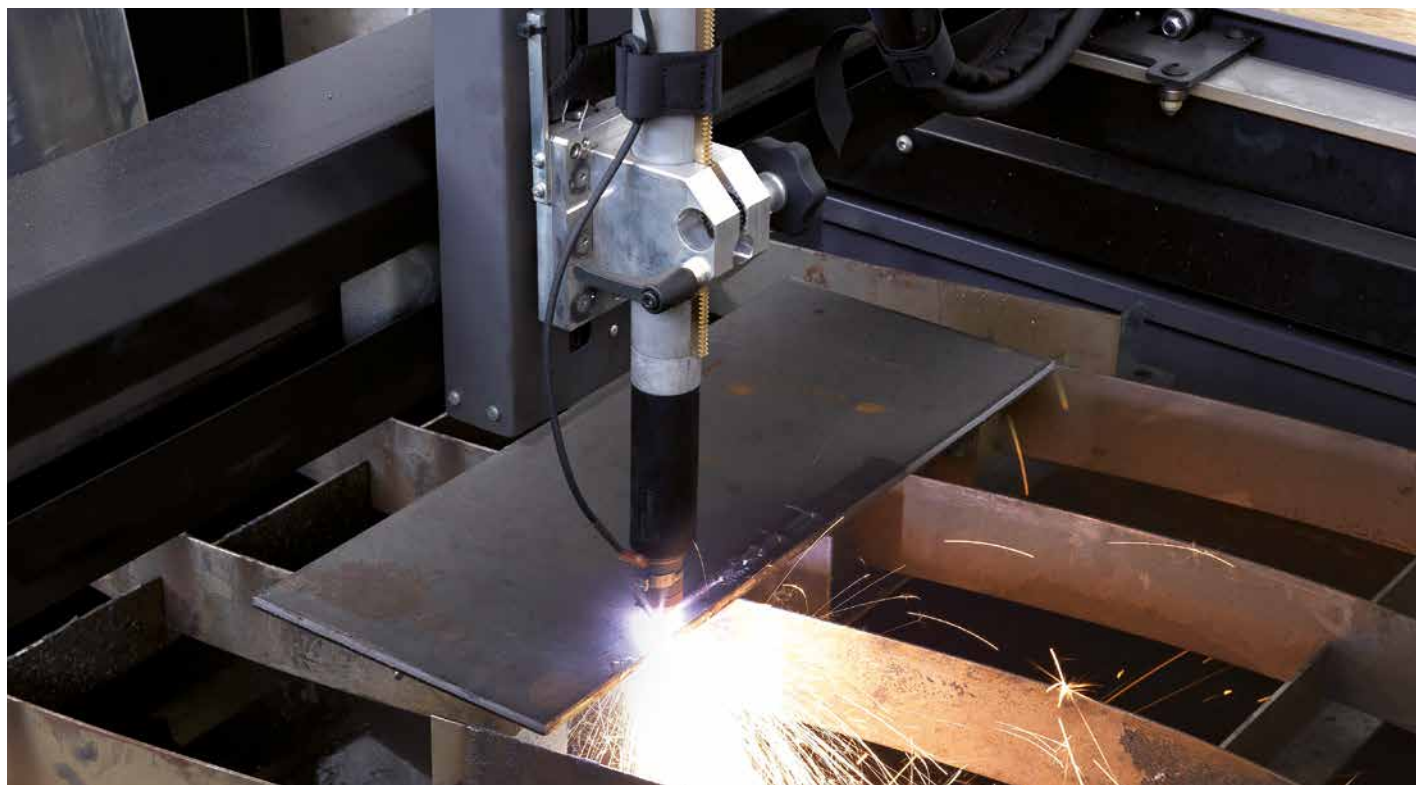
Plasma gouging is suitable for every kind of conductive-metal, for example: carbon-steel, inox, aluminium and copper. Compared to traditional gouging by carbon-electrode, it has the following plus-points:

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

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**

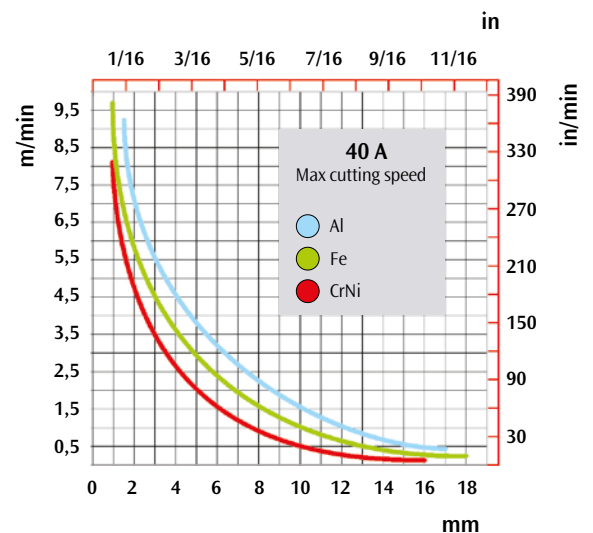
PFC: POWER FACTOR CORRECTION

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 | 20 | 30 |
| | x% | A | 40 (35%) | 30 (25%) | 40 (35%) |
| Motorgenerator requirement for full capacity | | kVA | 6 | 6 | 6 |
| Cutting Capacity | Recommended | mm | 12 | 10 | 12 |
| | Maximum | mm | 15 | 12 | 15 |
| | Severance | mm | 20 | 18 | 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 | |

Other voltages available on request

ORDER INFORMATION

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



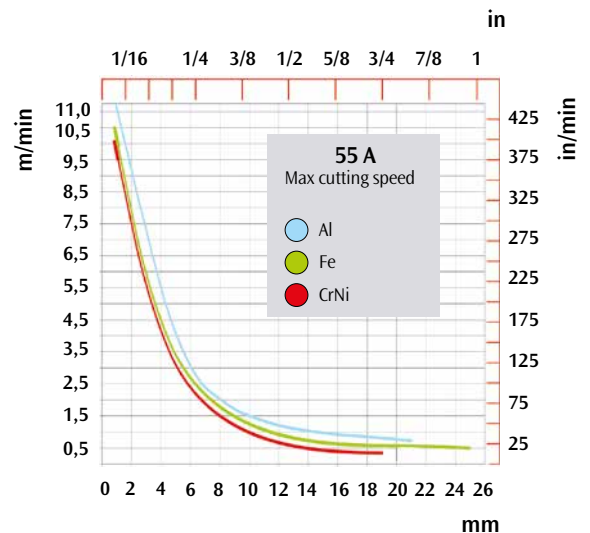
Powerful and compact, SHARK 55 is the most efficient solution to fully meet the cutting needs of medium and light fabrication work. Its always precise cutting performance enables the achievement of the highest standards in all circumstances. Top quality cutting is achieved at high speed thanks to SK75 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 |
|-----------------------|--|
| 004480 | SHARK 55 400V-3 Ph. with SK75 torch - 6 m , 10mm ² / 4m ground cable & kit of spares (343962) |
| 004484 | SHARK 55 400V-3 Ph. with SK75 torch - 12 m , 10mm ² / 4m ground cable & kit of spares (343962) |
| PLASMA TORCH | |
| 022029 | Manual Torch SK75 6 m 70 A |
| 022033 | Manual torch SK75 12m 70A |
| 343956 | Consumable Basic Kit Box for SK75 (Page 25) |
| 343962 | Consumable Starting Kit for SK75: 1 Electrode, 2 Nozzles 70 A, 1 Shield cap |
| ACCESSORIES | |
| 418487 | Compass for SK75/SK125 torch |
| 410684 | Wheeled torch holder |
| 418508 | Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting |
| 234926 | Transport Trolley CTP 10 |
| 427529 | Compressed air filter |
| 427530 | Filter cartridge. Package of 4 pcs |
| CODE | MECHANIZED CUTTING |
| 004481 | SHARK 55-M 400V-3 Ph. with SKM75 torch 6 m - 10 mm ² / 4 m ground cable |
| 004482 | SHARK 55-M 400V-3 Ph. with SKM75 torch 12 m - 10 mm ² / 4 m ground cable |
| PLASMA TORCHES | |
| 022073 | Machine Straight Torch SKM75 6 m - 70 A with gear rack |
| 022080 | Machine Straight Torch SKM75 12 m - 70 A with gear rack |

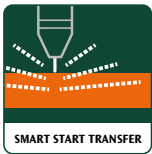
Other voltages available on request



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.

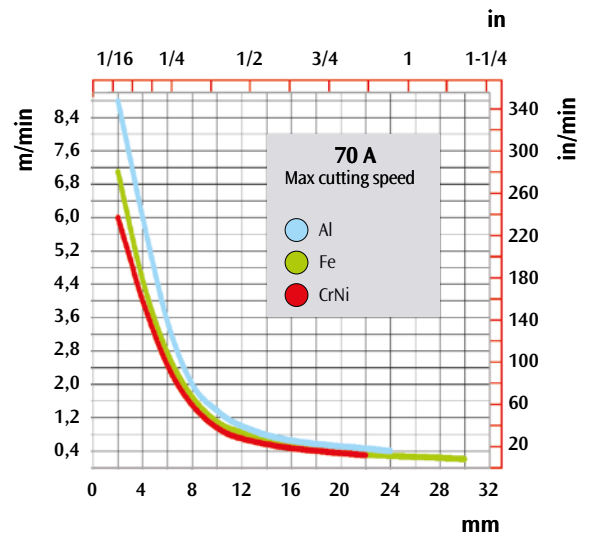
Smart Start Transfer and Smart End Cutting functions permit both initial and final cutting phases in an optimal way.

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

Other voltages available on request

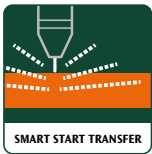


Powerful, robust and compact, SHARK 105 absolutely grants high productivity in the toughest cutting operations without any compromise: cuts are always precise and ensure the highest cutting results in all applications.

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

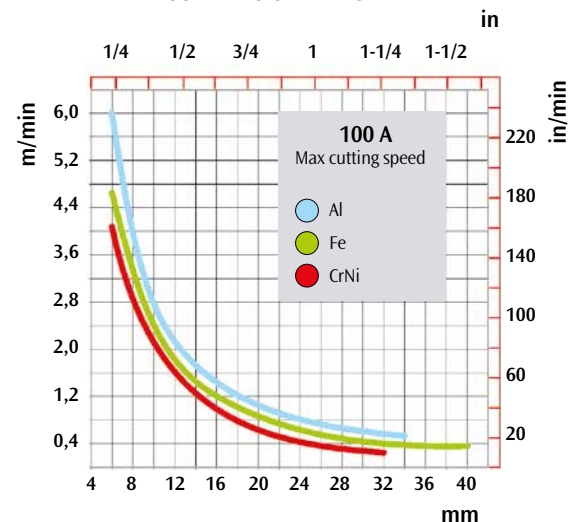
Smart Start Transfer and Smart End Cutting functions permit both initial and final cutting phases in the best way.

- ✓ **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 | |

Other voltages available on request

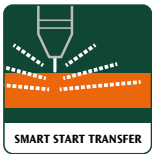
ORDER INFORMATION

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



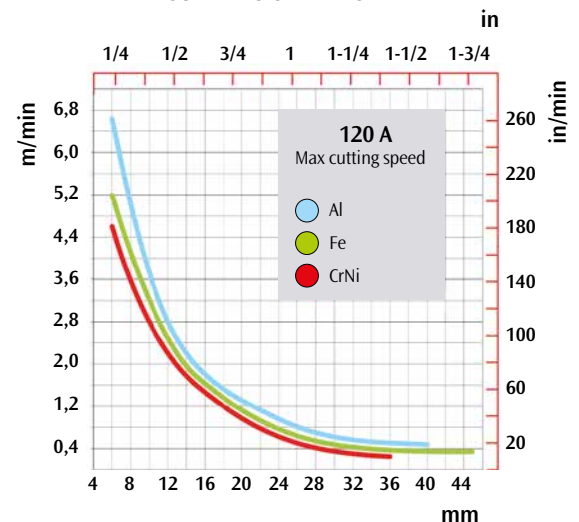
SHARK 125 is equipped with display for managing all the digital control. In combination with the technology HPC High-Performance-Cutting of the torch SK125, it grants to every user a cutting beam very concentrated and hot. This feature allows a very high precision and speed in cutting for a wide range 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

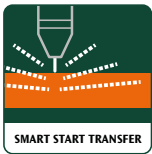
| CODE | MANUAL CUTTING |
|-----------------------|--|
| 004462 | SHARK 125 400V-3 Ph. With SK125 - 6 m torch, 25 mm ² / 4m ground cable & kit of spares (343955) |
| 004467 | SHARK 125 400V-3 Ph. With SK125 - 12 m torch, 25 mm ² / 4m ground cable & kit of spares (343955) |
| PLASMA TORCH | |
| 022028 | Manual Torch SK125 6 m 125 A |
| 022035 | Manual Torch SK125 12m 125 A |
| 022083 | Manual Long torch SK165XL 1,30 m / 45° - 7,5 m cable 160 A |
| 343957 | Consumable Basic Kit Box for SK125 (Page 25) |
| 343955 | Consumable Starting Kit for SK125 -125 A: 1 Electrode, 2 Nozzles 125 A, 1 Shield cap 100-125 A |
| ACCESSORIES | |
| 418487 | Compass for SK125 torch |
| 410684 | Wheeled torch holder guide |
| 418508 | Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting |
| 234927 | Transport Trolley CTP 15 |
| 427529 | Compressed air filter |
| 427530 | Filter cartridge. Package of 4 pcs |
| CODE | MECHANIZED CUTTING |
| 004463 | SHARK 125-M 400V-3 Ph. with SKM125 torch 6 m - 25 mm ² / 4 m ground cable |
| 004464 | SHARK 125-M 400V-3 Ph. with SKM125 torch 12 m - 25 mm ² / 4 m ground cable |
| PLASMA TORCHES | |
| 022074 | Machine Straight Torch SKM125 6 m - 125 A |
| 022081 | Machine Straight Torch SKM125 12 m - 125 A |
| CODE | MECHANIZED CUTTING BY ROBOT / PLC |
| 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 |
| 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 |

Other voltages available on request



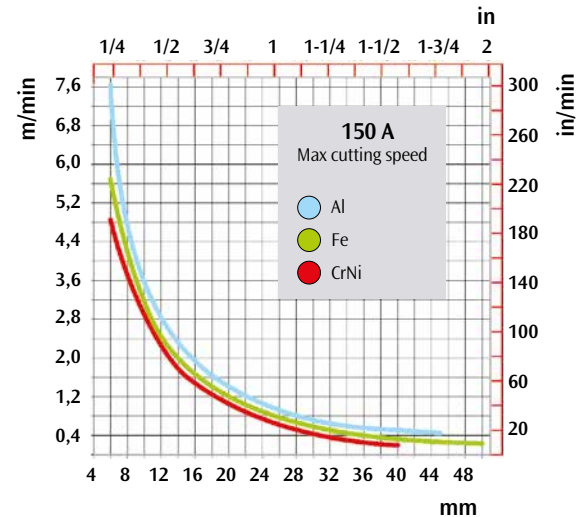
With its stunning cutting force, SHARK 155 is the most powerful machine in the range. Robust and precise, it ensures extremely high quality cutting results also on very large thickness. Equipped with a display for the digital control of all the parameters, it grants the highest cutting quality at high 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 |
|-----------------------|---|
| 004435 | SHARK 155 400V-3 Ph. with SK165 torch - 6 m , 35 mm ² / 4 m ground cable & kit of spares (343059) |
| 004442 | SHARK 155 400V-3 Ph. with SK165 torch - 12 m , 35 mm ² / 4 m ground cable & kit of spares (343059) |
| PLASMA TORCHES | |
| 022032 | Manual torch SK165 6 m 160 A |
| 022034 | Manual torch SK165 12 m 160 A |
| 022083 | Manual Long torch SK165XL 1,30 m / 45° - 7,5 m cable 160 A |
| 343958 | Consumable Basic Kit Box for SK165 (Page 25) |
| 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 |
| ACCESSORIES | |
| 418488 | Compass for SK165 torch |
| 410686 | Wheeled torch holder guide |
| 418507 | Bevel Tool Kit: guide carriage and circle attachment for straight and bevel cutting |
| 234927 | Transport Trolley CTP 15 |
| 427529 | Compressed air filter |
| 427530 | Filter cartridge. Package of 4 pcs |
| CODE | MECHANIZED CUTTING |
| 004436 | SHARK 155-M 400V-3 Ph. with SKM165 torch 6 m - 35 mm ² / 4 m ground cable |
| 004437 | SHARK 155-M 400V-3 Ph. with SKM165 torch 12 m - 35 mm ² / 4 m ground cable |
| PLASMA TORCHES | |
| 022076 | Machine Straight Torch SKM165 6 m - 160 A |
| 022082 | Machine Straight Torch SKM165 12 m - 160 A |
| CODE | MECHANIZED CUTTING BY ROBOT / PLC |
| 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 |
| 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 |

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.

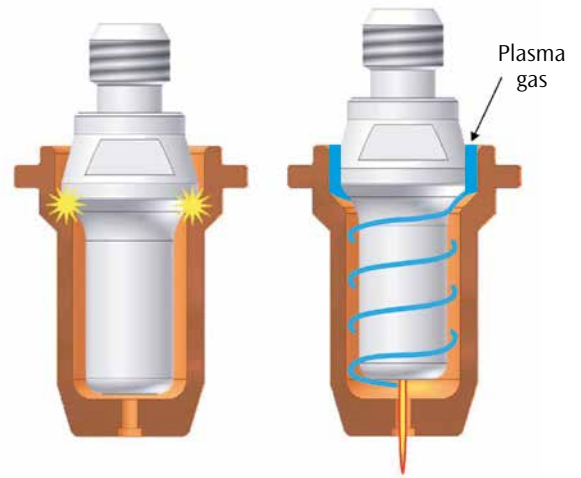
TORCH TECHNOLOGY

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

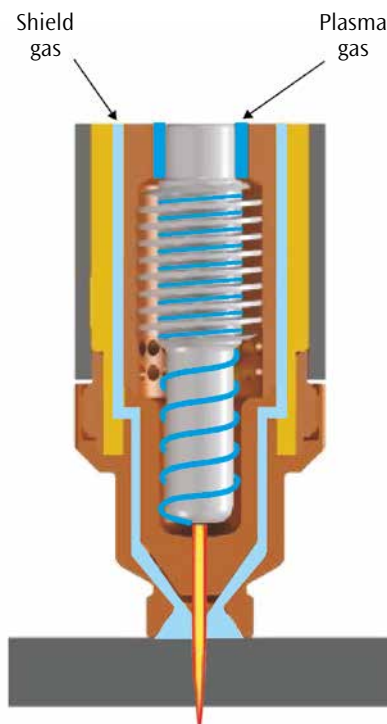


HIGH PERFORMANCE CUTTING - HPC

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**



| 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**



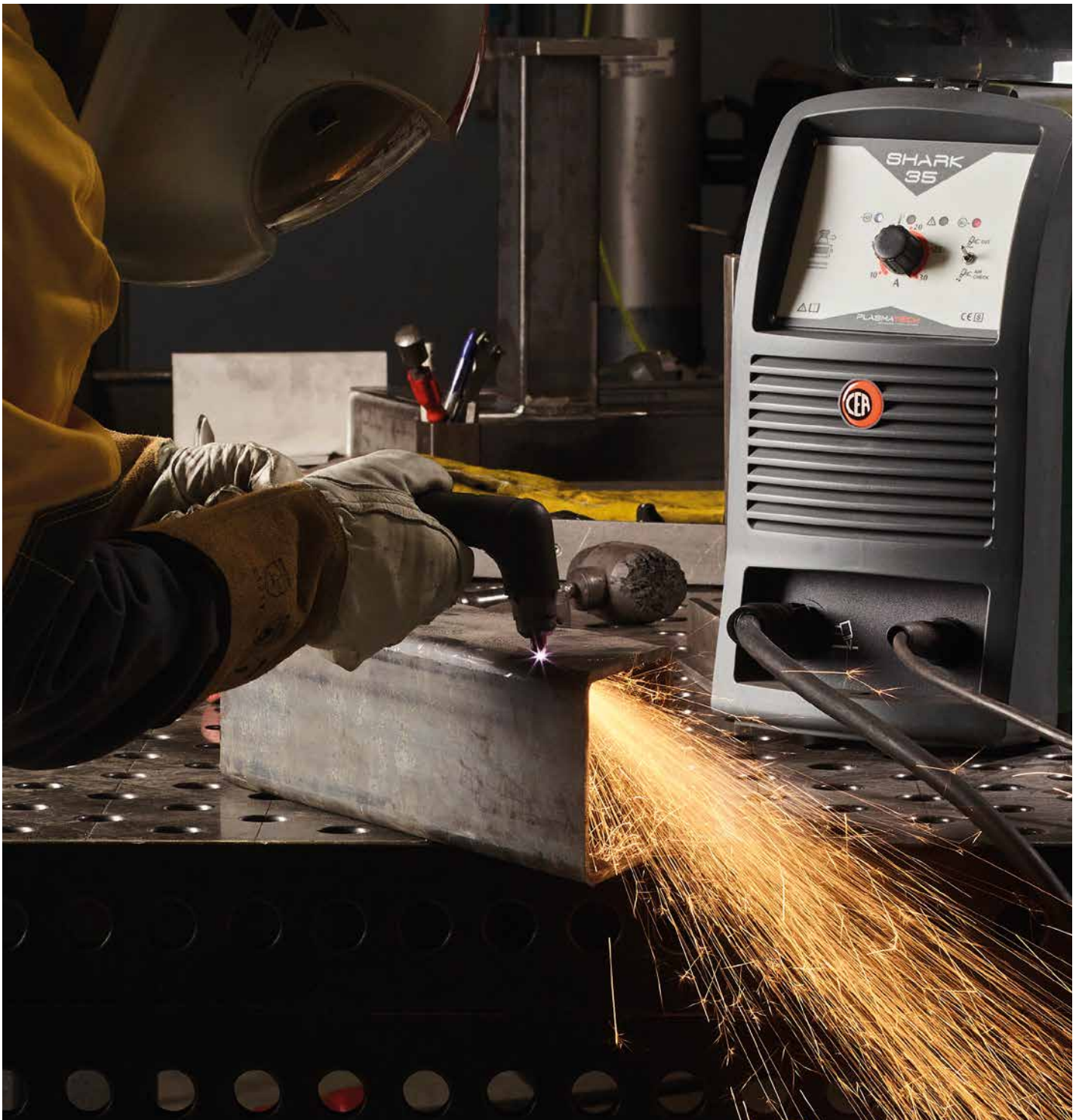
| POS. | CODE | DESCRIPTION | QTY. |
|------|--------|-----------------------------------|------|
| 1 | 433608 | O-ring | 2 |
| 2 | 482135 | Swirl ring 45-85 A | 1 |
| 3 | 482136 | Swirl ring 100-125 A | 1 |
| 4 | 425023 | Electrode | 10 |
| 5 | 408616 | Nozzle 85 A | 5 |
| 6 | 408612 | Nozzle 105 A | 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 |

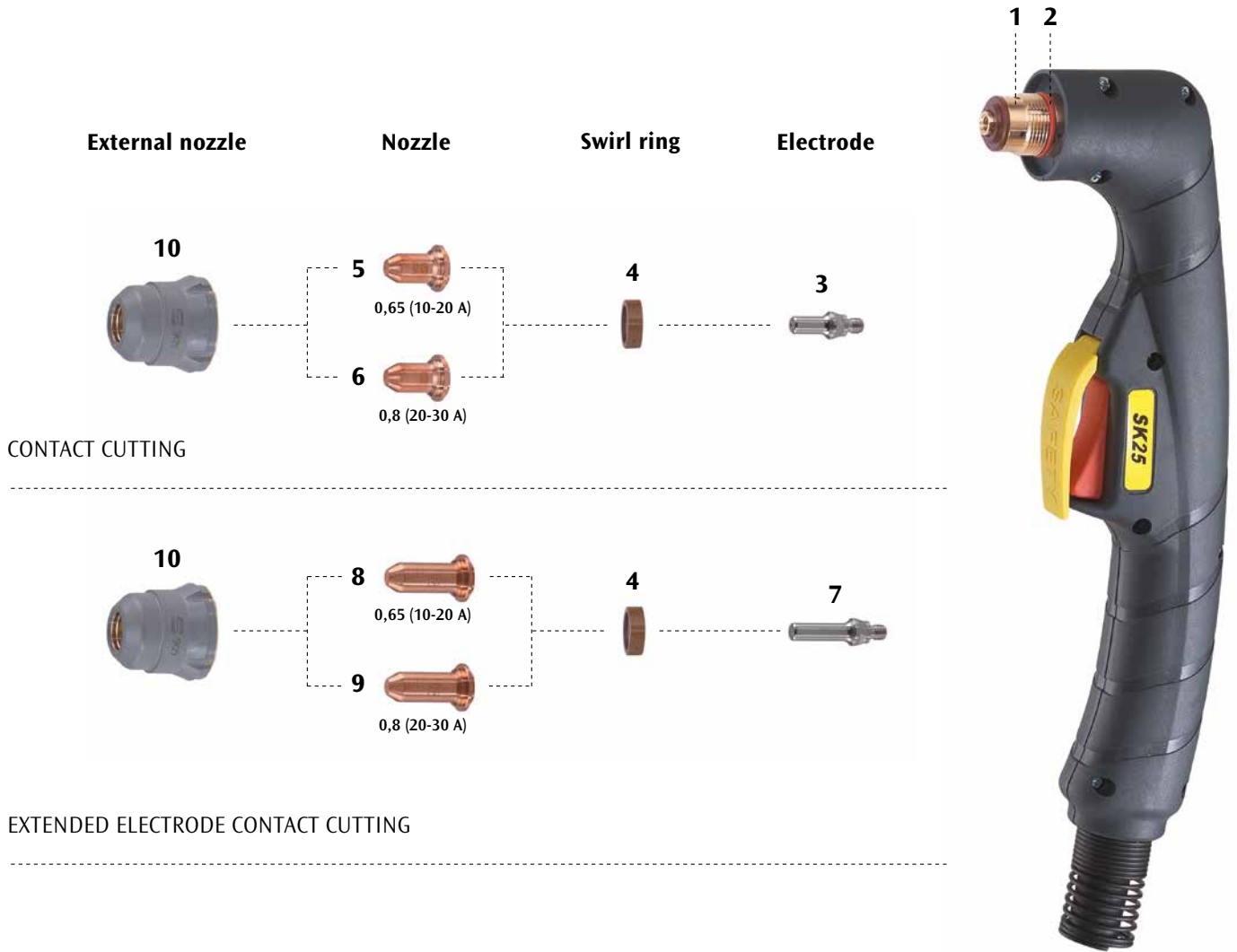
Kit Box for **SK165**

CODE **343958**



| 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. | | |
|------|--------|--|--------------|---|--|
| 1 | 422665 | Torch body | 1 | | |
| 2 | 433607 | O-ring | 10 | | |
| 3 | 425021 | Electrode | 10 | • | |
| 4 | 482126 | Swirl ring | 5 | • | |
| 5 | 408600 | Nozzle contact cutting \varnothing 0,65 (10-20 A) | 10 | | |
| 6 | 408601 | Nozzle contact cutting \varnothing 0,8 (20-30 A) | 10 | • | |
| 7 | 425058 | Extended electrode | 5 | | |
| 8 | 408620 | Extended nozzle contact cutting \varnothing 0,65 (10-20 A) | 5 | | |
| 9 | 408621 | Extended nozzle contact cutting \varnothing 0,8 (20-30 A) | 5 | | |
| 10 | 486076 | External nozzle | 1 | • | |

- Assembled on SK25 torch when supplied with the equipment

Shield cap

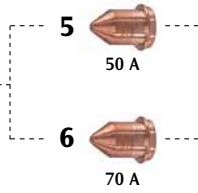
External nozzle

Nozzle

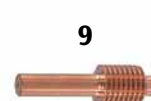
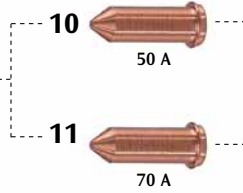
Swirl ring

Electrode

1 2



CONTACT CUTTING



EXTENDED ELECTRODE CONTACT CUTTING

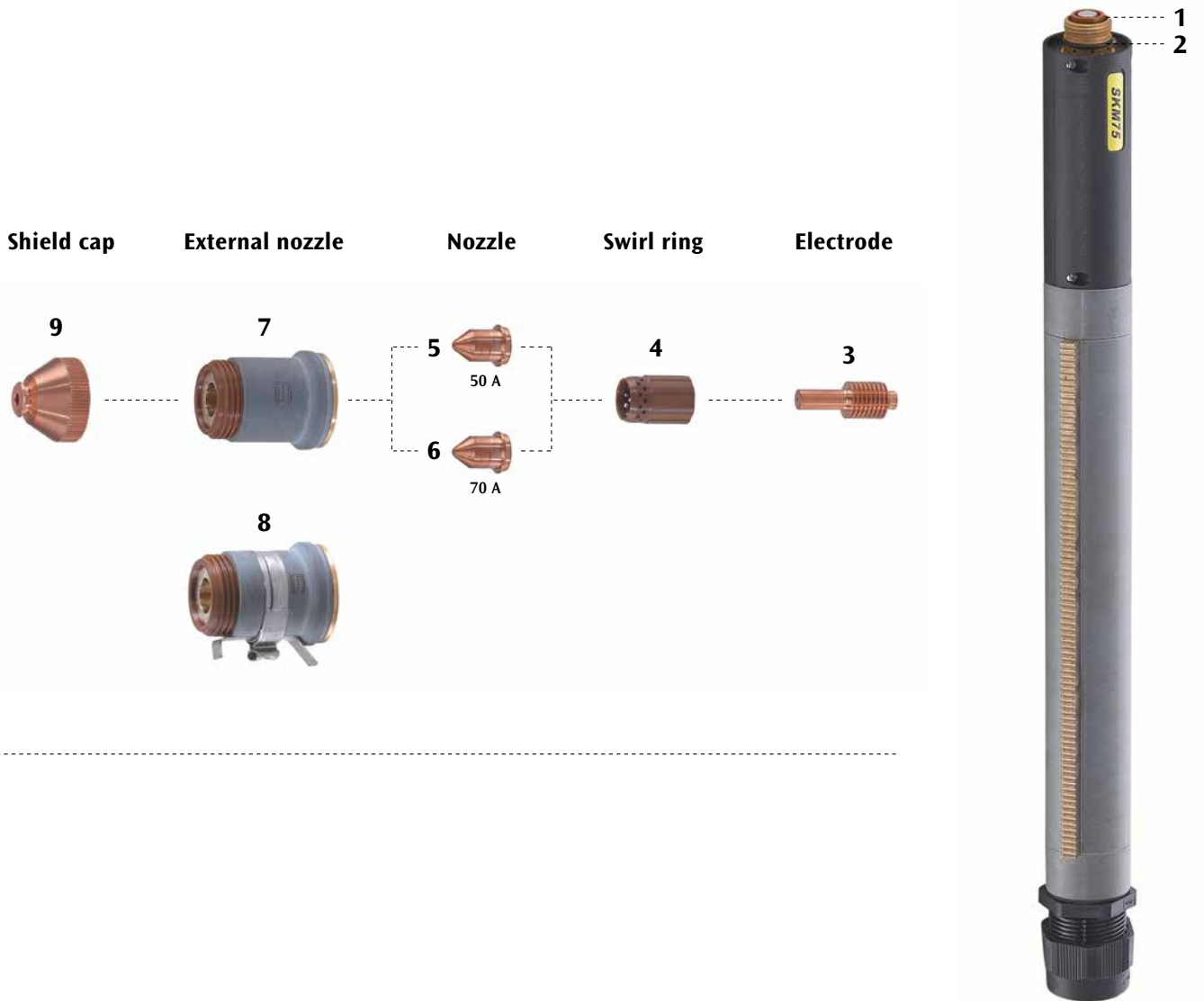


70 A GOUGING



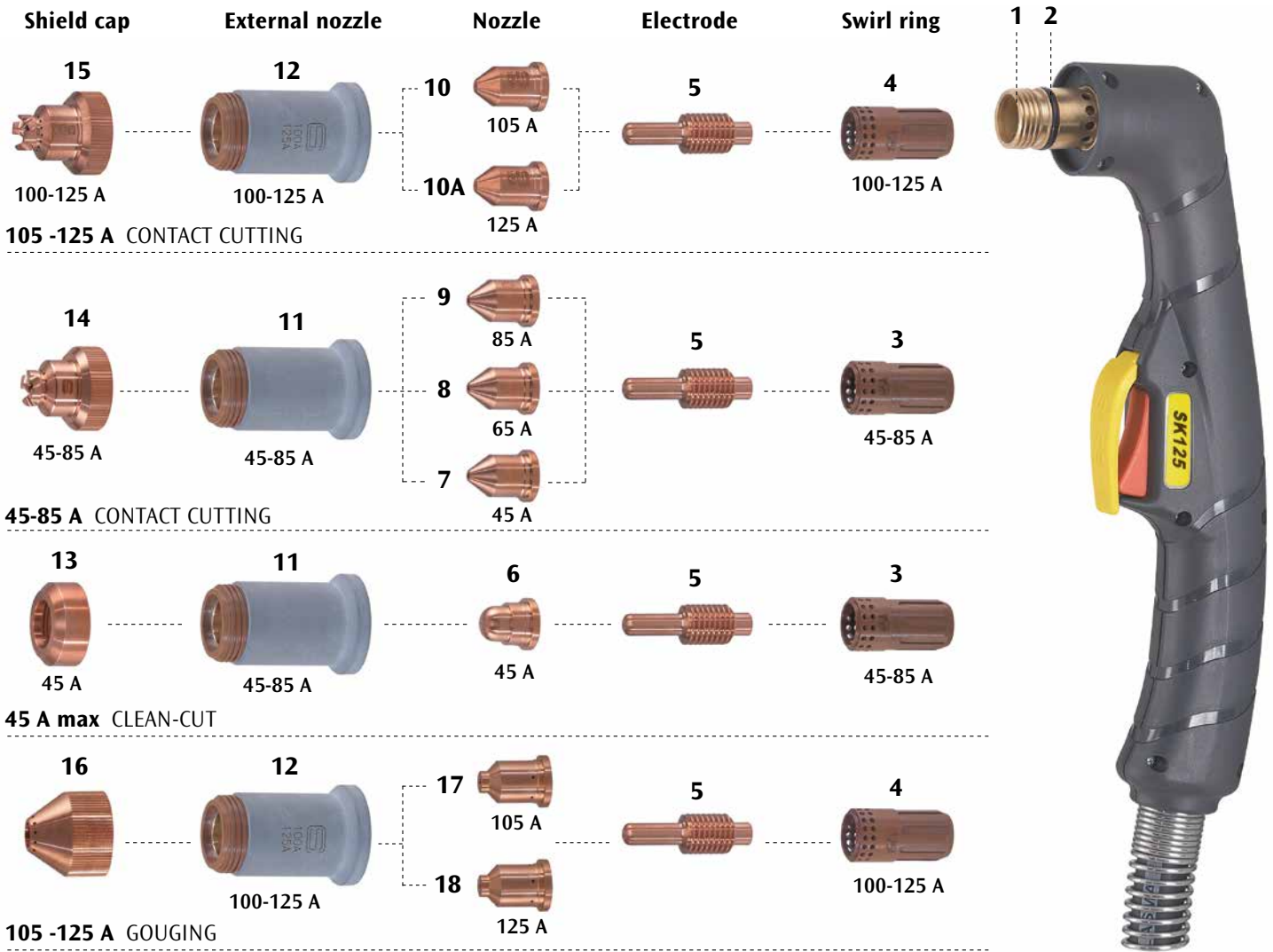
| POS. | CODE | DESCRIPTION | BLISTER QTY. | | |
|------|--------|----------------------------------|--------------|---|--|
| 1 | 422674 | Torch body | 1 | | |
| 2 | 433605 | O-ring | 20 | | |
| 3 | 425022 | Electrode | 5 | • | |
| 4 | 482134 | Swirl ring | 2 | • | |
| 5 | 408609 | Nozzle 50 A | 10 | | |
| 6 | 408610 | Nozzle 70 A | 10 | • | |
| 7 | 486049 | External nozzle | 1 | • | |
| 8 | 487630 | Shield cap (manual cut) | 2 | • | |
| 9 | 425059 | Extended electrode | 5 | | |
| 10 | 408623 | Extended nozzle 50 A | 5 | | |
| 11 | 408624 | Extended nozzle 70 A | 5 | | |
| 12 | 424490 | Extended Shield cap (manual cut) | 2 | | |
| 13 | 487642 | Shield cap (gouging) | 2 | | |
| 14 | 408635 | Nozzle for gouging 70 A | 10 | | |

• Assembled on SK75 torch when supplied with the equipment



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

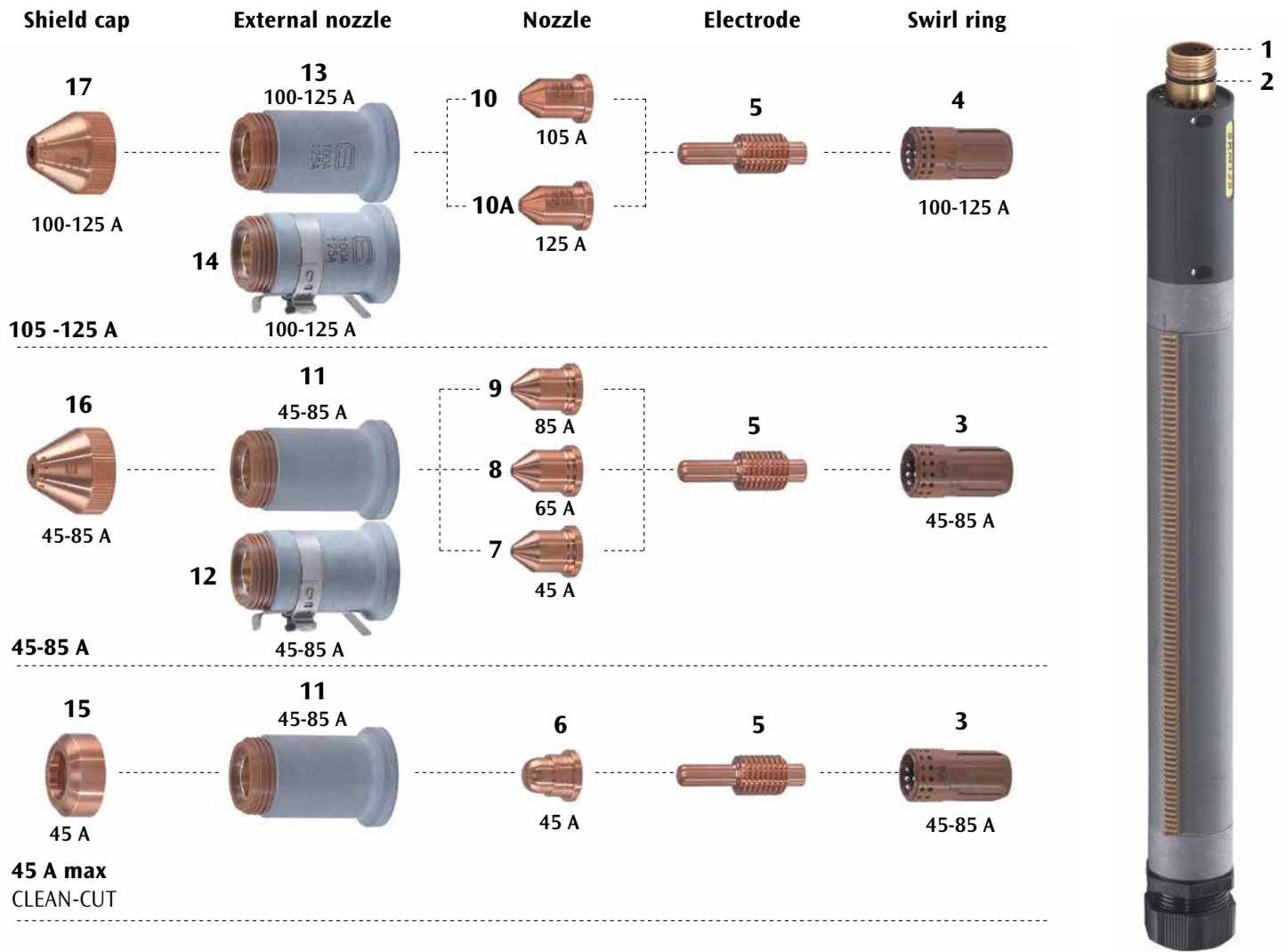
- Assembled on SKM75 torch when supplied with the equipment



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

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

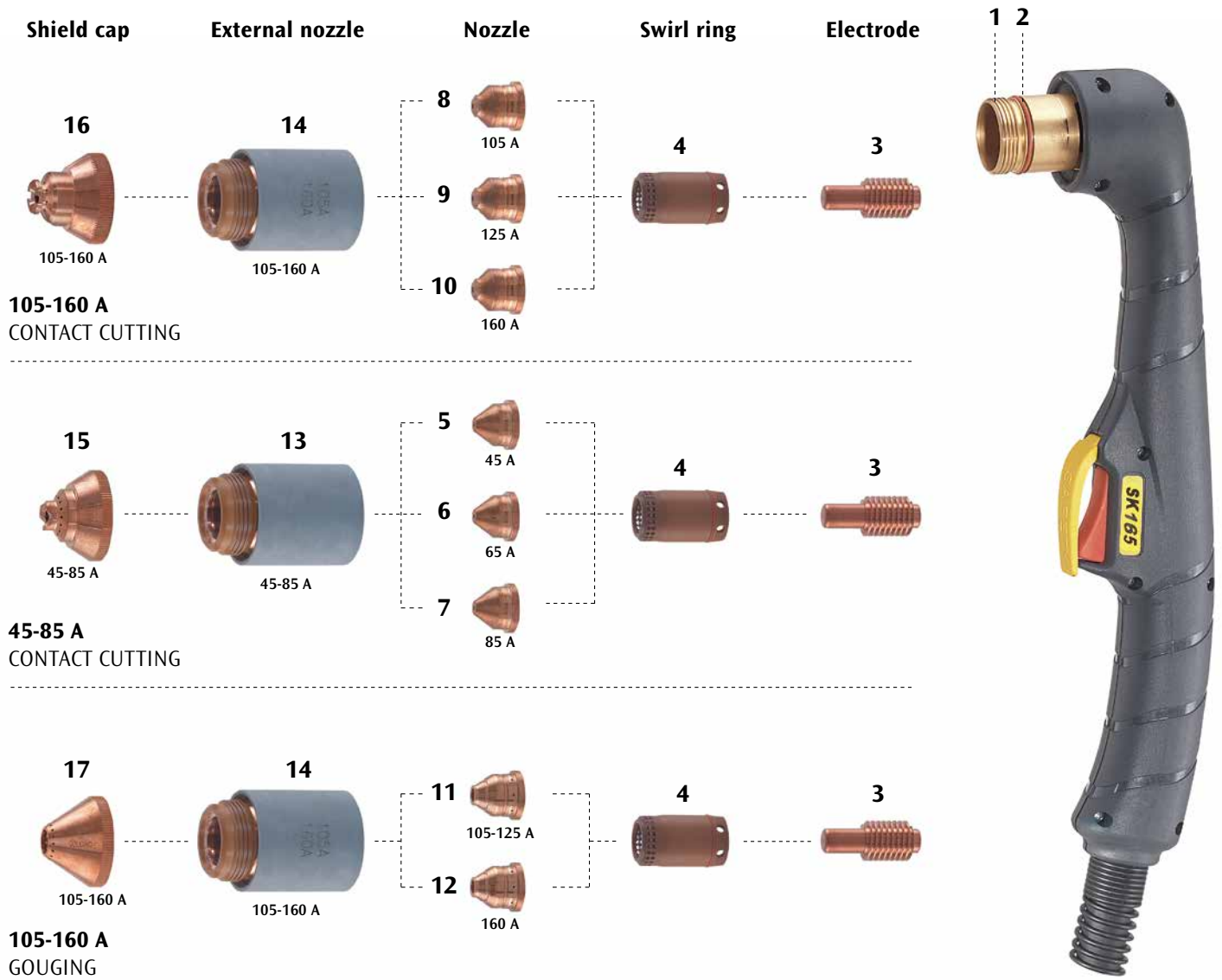
▲ Assembled on SK125 torch when supplied with the equipment SHARK 125-M/MR



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

● 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. | | |
|------|--------|-----------------------------------|--------------|---|--|
| 1 | 422678 | Torch body | 1 | | |
| 1A | 422681 | Torch Body 45° (SK165XL) | 1 | | |
| 2 | 433609 | O-ring | 20 | | |
| 3 | 425024 | Electrode | 5 | • | |
| 4 | 482137 | Swirl ring | 2 | • | |
| 5 | 408640 | Nozzle 45 A | 10 | | |
| 6 | 408641 | Nozzle 65 A | 10 | | |
| 7 | 408642 | Nozzle 85 A | 10 | | |
| 8 | 408643 | Nozzle 105 A | 10 | | |
| 9 | 408644 | Nozzle 125 A | 10 | | |
| 10 | 408645 | Nozzle 160 A | 10 | • | |
| 11 | 408632 | Nozzle for gouging 105-125 A | 10 | | |
| 12 | 408633 | Nozzle for gouging 160 A | 10 | | |
| 13 | 486021 | External nozzle 45-85 A | 1 | | |
| 14 | 486022 | External nozzle 105-160 A | 1 | • | |
| 15 | 487633 | Shield cap 45-85 A (manual cut) | 2 | | |
| 16 | 487634 | Shield cap 105-160 A (manual cut) | 2 | • | |
| 17 | 487641 | Shield cap (gouging) | 2 | | |

• Assembled on SK165 torch when supplied with the equipment

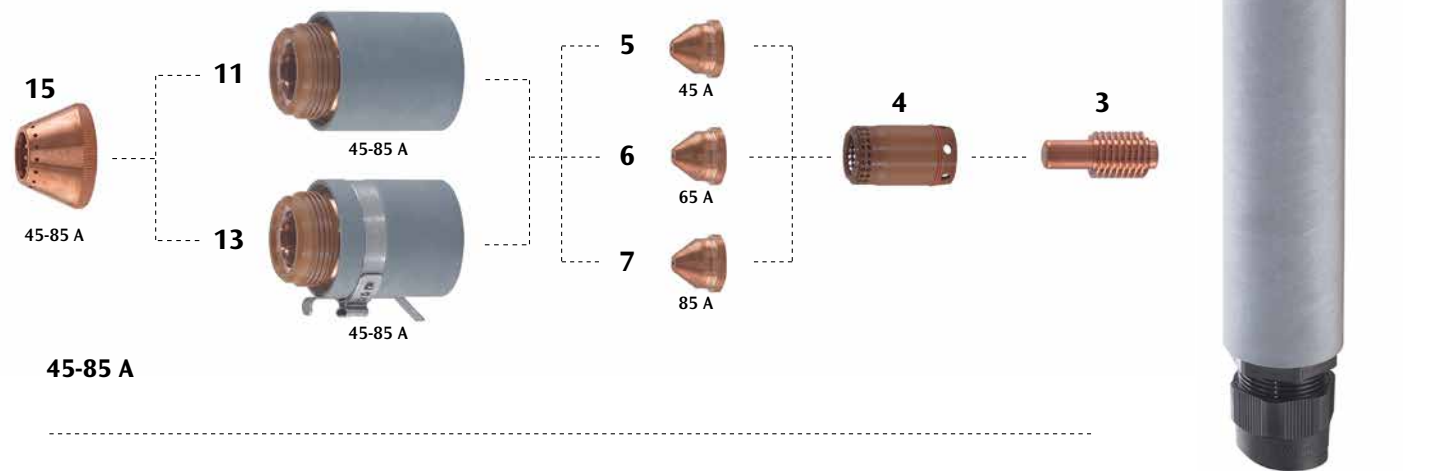
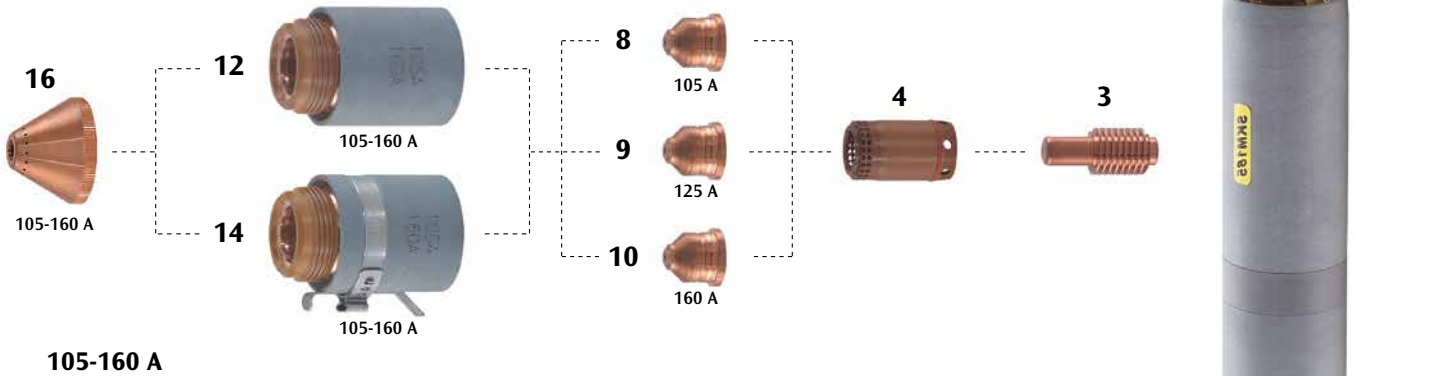
Shield cap

External nozzle

Nozzle

Swirl ring

Electrode



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

• 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**

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**

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

LONG TORCH SK165XL



CODE **022083**

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





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