

/ Perfect Welding / Solar Energy / Perfect Charging



PRICE LIST 2019

/ Accessories

/ Valid from 1st of January 2019

CONSULTATION

Under the mentioned telephone number (back page) the Fronius team is at your disposal for all questions, which are not answered from the catalogue. Please do not hesitate to contact our staff – a lot of questions can be answered faster and easier in a face to face discussion or at a practical demonstration.

PRICES, CONDITIONS, WARRANTY

Prices are valid from 1st of January 2019 until 31st of December 2019. All prices are without VAT and for unpacked goods ex works. Price changes, technical developments as well as changes in the type or configuration are reserved.

We assume no liability for printing or clerical errors, mistakes, or possible colour variations in the products shown in the price list.

Even if we do not contradict your purchasing conditions formal, for all legal transactions our general terms of delivery and payment (www.fronius.com) are valid.

The goods shall remain property of FRONIUS until payment has been received in full.

The warranty period shall be for material 24 months, for spare parts and working hours 12 months and for Welding Torch, Torch body , Used Equipment 6 months. For Wear Parts warranty excluded.

It is agreed to apply Austrian law with the exclusion of the UN Convention on Contracts for the International Sale of Goods and the IPRG, excluding its conflict of laws rules.

Place of jurisdiction is Wels/Austria.

ORDER

For making easier the order, we have put into our price list systems ready for welding. Of course you can choose from the options and accessories your individual configuration. Your order – no matter if written, by fax, by telephone or at our sales representative – will be carried out promptly and at your full satisfaction. Please always mention the part-no. that deliverys can be arranged according to your requirements.

COMPLAINTS, EXCHANGE, RETURNS PROCESS

Defects must be reported to us as soon as they are detected. Goods must be returned in an undamaged condition and in their original packaging. Please always quote our delivery note and invoice number, the item number and, if applicable, the series number (see rating plate). The reason the goods are being returned must be stated. If the goods are not returned in their original packaging, repair and inspection costs will be charged in accordance with the published returns policy. Customised products cannot be exchanged.

When returning goods, please follow the specified procedure. To comply with the procedure, kindly always consult your Fronius contact before returning goods.

SERVICE

In our service department or via our mobile system engineers calibration, safety-related inspection and repairs are carried out quickly and cost-effective. Our well trained and experienced application engineers gladly help you at any welding-engineering requirements – your call is enough.

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Questions: sales_catalogues_pw@fronius.com

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AUTOMATIC EYE PROTECTION

Welding helmets from Fronius are a byword for super-safe working and superb comfort and convenience for the wearer. The helmets automatically detect when you start welding and darken the filter extremely quickly – so you have optimum visibility before, during and after welding. High-grade materials and a special paintwork finish give users the very best protection against heat and reflected light, while a special integrated filter shields you from harmful ultraviolet and infrared radiation.

An adjustable headband ensures an excellent fit and optimum wearer comfort. The helmets are extremely user friendly, as the protection level can be set externally. A true-colour display and high optical classes significantly improve the view of the weld pool. Vizor systems also come with a grinding mode, are suitable for overhead welding and are equipped with a sensor slide for adapting to the work at hand.

Applications:

- / MIG/MAG (standard and pulsed arc)
- / TIG (AC and DC)
- / MMA welding
- / Plasma cutting
- / Oxyacetylene welding
- / Grinding



FREE VIEW OF THE WORKPIECE

- Nose-cut shape
- Automatic adjustment of the level of protection
- Brightness level 2.5 in open mode

COMPLETE PROTECTION



AGAINST WELDING LIGHT

- Welding helmet communicates with the power source via Bluetooth to enable 100% protection against welding light



LOW ENERGY CONSUMPTION

- Rechargeable lithium-ion battery and charging via solar modules on the auto-darkening filter cartridge

VIZOR Connect



symbol photo

Availability quarter 2/2019

	VIZOR 4000 PROFESSIONAL	VIZOR 4000 PLUS	FAZOR 1000 PLUS
Switching time dark / light	0,1-2,0 sec	0,05-1,0 sec	0,05-1,0 sec
Weight	0,5kg	0,48kg	0,50kg
Shade level range	4/5-9 bzw. 4/9-13	2,5/8-12	4/9-13
Cartridge size [LxBxH]	90x110x7mm	90x110x7mm	90x110x9,5 mm
Classification	1/1/1/1 EN379	1/1/1/2 EN379	1/1/1/2 EN379



VIZOR 4000 PROFESSIONAL

The Vizor 4000 is the professional tool for all arc types.

The adaptive „Auto mode“ with protection level regulation automatically sets the level of protection during welding within the range of 5 to 13.

The ideal sensitivity setting can be achieved using the „Super High Sensitivity“ function.

The „Soft Delay“ dimming function allows for a gentle transition from dark to light. The Vizor 4000 has the best optical class (1/1/1) according to EN 379 – you can view all areas in HD.

Included in the scope of supply: complete welding helmet with two external cover plates

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0197	8	A	Vizor 4000 Professional	407,00
42,0510,0193	8	A	Cartridge Vizor 4000 Professional	356,00
42,0510,0194	8	D	Protection shield Vizor 4000 Professional/Plus	92,00
42,0510,0026	8	A	Head band Vizor / Fazor complete	24,80
42,0510,0018	8	A	Head band Vizor / Fazor (2 pcs per set)	5,10
42,0510,0200	8	A	Comfort band	6,40
42,0510,0093	8	A	Repair kit (Potentiometer- / & Sensitivity knob, battery cover)	8,95
42,0510,0032	8	D	Reparation set (Side clips with fixing screws)	8,95
42,0510,0023	8	A	Front cover lens Vizor (2 pcs per set)	9,40
42,0510,0024	8	A	Front cover lens Vizor (5 pcs per set)	20,95
43,0007,0028	6	A	Button cell battery CR2032	1,23
42,0510,0092	8	A	Inside cover lens Vizor Professional / Plus / Fazor (5 pcs per set)	7,20
42,0510,0100	8	D	Inside cover lens Vizor Professional / Plus / Fazor; shade level 1,0 (5 pcs per set)	10,20
42,0510,0101	8	D	Inside cover lens Vizor Professional / Plus / Fazor; shade level 1,5 (5 pcs per set)	10,20
42,0510,0102	8	A	Inside cover lens Vizor Professional / Plus / Fazor; shade level 2,0 (5 pcs per set)	10,20
42,0510,0117	8	A	Inside cover lens Vizor/Fazor 1,00 Diopter	29,90
42,0510,0118	8	A	Inside cover lens Vizor/Fazor 1,50 Diopter	29,90
42,0510,0115	8	A	Inside cover lens Vizor/Fazor 2,00 Diopter	29,90
42,0510,0116	8	A	Inside cover lens Vizor/Fazor 2,50 Diopter	29,90
42,0510,0232	8	D	Welding helmet tester	35,00

VIZOR 4000 PLUS

The Vizor 4000 Plus is the professional tool for all welding operations within a protection level range of 8-12.

The view is up to four-times lighter when the helmet is in its light setting and in grinding mode.

The light protection level of 2.5 when open allows for a better, unrestricted view of the working environment, either during grinding or before the arc ignites.

The „Super High Sensitivity“ function can be used to achieve the ideal sensitivity setting.

Included in the scope of supply: complete welding helmet and two external cover plates



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0230	8	A	Vizor 4000 Plus	342,00
42,0510,0227	8	D	Cartridge Vizor 4000 Plus	305,00
42,0510,0194	8	D	Protection shield Vizor 4000 Professional/Plus	92,00
42,0510,0100	8	D	Inside cover lens Vizor Professional / Plus / Fazor; shade level 1,0 (5 pcs per set)	10,20
42,0510,0101	8	D	Inside cover lens Vizor Professional / Plus / Fazor; shade level 1,5 (5 pcs per set)	10,20
42,0510,0102	8	A	Inside cover lens Vizor Professional / Plus / Fazor; shade level 2,0 (5 pcs per set)	10,20
42,0510,0117	8	A	Inside cover lens Vizor/Fazor 1,00 Diopter	29,90
42,0510,0118	8	A	Inside cover lens Vizor/Fazor 1,50 Diopter	29,90
42,0510,0115	8	A	Inside cover lens Vizor/Fazor 2,00 Diopter	29,90
42,0510,0116	8	A	Inside cover lens Vizor/Fazor 2,50 Diopter	29,90
42,0510,0232	8	D	Welding helmet tester	35,00



VIZOR OPTIONS AND ACCESSORIES

/ The practical backpack with handy storage pockets and a padded back offers optimum protection for the transport and storage of all Vizor protection helmets.

/ Chest protection and a protective leather cap also protect the welder from welding spatter and radiation.

/ Every Fronius vizor can be retrofitted with an industrial safety helmet.

Scope of supply: adapter + industrial safety helmet.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0078	8	A	Vizor BackPack - backpack for welding helmet	20,50
42,0510,0275	8	D	Vizor Air Bag - bag for welding helmet with fresh air system	29,90
42,0510,0020	8	A	Vizor Chest protection	30,90
42,0510,0098	8	D	Vizor leather protection cap with removable neckprotection	59,90
42,0510,0167	8	D	Industrial helmet set	120,00

FAZOR 1000 PLUS

Optimal protection for day-to-day welding tasks. Simple, robust and good quality with an outstanding price/performance ratio. The range of protection levels from 9-13 permits a large number of possible applications, particularly for MAG welding.

Scope of supply: complete welding helmet, Operating Instructions



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0110	8	A	Fazor 1000 Plus	189,00
42,0510,0113	8	A	Cartridge Fazor 1000 Plus	133,00
42,0510,0274	8	D	Helmet shell for Fazor 1000 Plus	76,00
42,0510,0111	8	A	Cover lens Fazor (2 pcs per set)	6,10
42,0510,0112	8	A	Cover lens Fazor (5 pcs per set)	11,75
42,0510,0018	8	A	Head band Vizor / Fazor (2 pcs per set)	5,10
42,0510,0200	8	A	Comfort band	6,40
42,0510,0026	8	A	Head band Vizor / Fazor complete	24,80
42,0510,0092	8	A	Inside cover lens Vizor Professional / Plus / Fazor (5 pcs per set)	7,20
42,0510,0100	8	D	Inside cover lens Vizor Professional / Plus / Fazor; shade level 1,0 (5 pcs per set)	10,20
42,0510,0101	8	D	Inside cover lens Vizor Professional / Plus / Fazor; shade level 1,5 (5 pcs per set)	10,20
42,0510,0102	8	A	Inside cover lens Vizor Professional / Plus / Fazor; shade level 2,0 (5 pcs per set)	10,20
42,0510,0117	8	A	Inside cover lens Vizor/Fazor 1,00 Diopter	29,90
42,0510,0118	8	A	Inside cover lens Vizor/Fazor 1,50 Diopter	29,90
42,0510,0115	8	A	Inside cover lens Vizor/Fazor 2,00 Diopter	29,90
42,0510,0116	8	A	Inside cover lens Vizor/Fazor 2,50 Diopter	29,90
42,0510,0232	8	D	Welding helmet tester	35,00

AUTOMATIC EYE PROTECTION WITH FRESH-AIR SYSTEM

A unique air-flow guiding system within the mask enables continuously-adjustable air distribution between the forehead and breathing zone. Vizor Air/3 is therefore a truly „clean“ solution for the user, as 99.8% of particles are filtered and the system also provides pleasant cooling for the welder.

Thanks to the (long life) lithium-ion battery, a usage time of up to 20 hours can be achieved. An acoustic and visual alarm warns users of low batteries and when the filter is blocked or missing. An adjustable leather strap with side stabilisers and a flexible air hose at the back ensure optimum wearer comfort, as well as an optional 4-point harness (included in Ergo version).

The system is used wherever the environmental conditions do not allow for optimum extraction of the welding fumes, such as during flexible welding tasks, work performed in confined spaces and heavily contaminated ambient air.

Scope of supply: welding helmet (depending on type), fan-filter unit cpl., flexible hose, battery charging system, hard case and Operating Instructions.

Technical data for the Air/3 fresh air system

- / The flow rate can be set in three levels: 150 l/min, 200 l/min, 250 l/min, constant
- / Helmet weight: approx. 693 g
- / Weight of Air 3 fan-filter unit cpl.: 1978 g
- / Fan (ball-bearing mounted)
- / Filter system: TH3P R SL pre-filter and particle filter
- / The highest respiratory protection class (TH3P) in accordance with EN 12941
- / Noise level: max. 60 dB(A)
- / Lithium-ion battery technology: 20 h battery included in scope of supply as standard



VIZOR 4000 AIR/3

The Vizor 4000 Air is available as a Plus or Professional model.

Vizor 4000 Air/3 Plus has a passive level of protection of 2.5 and an active level of protection of 8 to 12.

Vizor 4000 Air/3 Professional offers automatic adaptation of the protection level within the range of 5 to 13.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0228	8	A	Vizor 4000 Air/3 Plus	1.327,00
42,0510,0199	8	A	Vizor 4000 Air/3 Professional	1.377,00
42,0510,0296	8	D	Vizor 4000 Air/3 Ergo Plus	1.369,00
42,0510,0297	8	D	Vizor 4000 Air/3 Ergo Professional	1.419,00
42,0510,0196	8	D	C-kit Vizor 4000 Air/3 Professional/Plus	1.035,00
42,0510,0176	8	D	Vizor Air/3 fan-filter device in the hard-top case	785,00
42,0510,0198	8	D	Vizor Air/3 fresh-air helmet 4000 Professional with cartridge	592,00
42,0510,0298	8	D	Helmet shell Vizor 4000 Air/3	263,00
42,0510,0229	8	D	Vizor Air/3 fresh-air helmet 4000 Plus with cartridge	542,00



AIR/3 ACCESSORIES, SPARE AND WEARING PARTS

To ensure permanently high operational reliability, below you will find functional accessories and wearing parts for the Vizor Air/3.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0185	8	A	Vizor Air/3 particle filter with pre-filter	26,10
42,0510,0188	8	A	Vizor Air/3 pre-filter (50 pcs in the set)	33,20
42,0510,0175	8	A	Vizor Air/3 spark protection grid	15,90
42,0510,0050	8	A	Vizor Air face seal	60,00
42,0510,0183	8	D	Vizor Air/3 air hose	66,00
42,0510,0041	8	D	Vizor Air air hose sleeve black	56,00
42,0510,0170	8	D	Vizor Air/3 seal set for fan-filter	13,20
42,0510,0182	8	D	Vizor Air/3 Li-Ion battery Standard about 10h runtime	132,00
42,0510,0181	8	D	Vizor Air/3 Li-Ion battery Longlife about 20h runtime	192,00
42,0510,0221	8	D	Vizor Air/3 fan filter unit without cover, belt, and battery	435,00
42,0510,0169	8	D	Helmet adapter for Vizor 3000 Air/3 fan-filter device	15,80
42,0510,0180	8	D	Vizor Air/3 charger (EU, AUS, UK, US)	99,00
42,0510,0099	8	D	Vizor Air leather protection cap with removable neckprotection	60,00
42,0510,0168	8	D	Industrial helmet set Air	205,00
42,0510,0240	8	D	Vizor Air/3 filter Harness	128,00
42,0510,0000	8	D	Leather belt Vizor Air/3	117,00

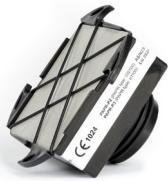
For the remaining wearing parts see Vizor 4000

VIZOR 3000 welding helmet with VIZOR AIR/3 fan filter unit >> only the adapter (42,0510,0169) is required here.

VIZOR 4000 welding helmet with VIZOR AIR fan filter unit >> the adapter (42,0510,0169) and the air hose (42,0510,0183) are required here.

VIZOR AIR (OLD) SPARE AND WEARING PARTS

To ensure permanently high operational reliability, below you will find replacement filters for the Vizor Air.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0039	8	A	Vizor Air TH3P Air particle filter with prefilter	26,80
42,0510,0158	8	D	Vizor Air prefilter (50 pcs per set)	19,95
42,0510,0159	8	D	Vizor Air fastening straps for particulate filter (6 pcs per set)	7,10
42,0510,0040	8	D	Vizor Air air hose with air hose sleeve	115,00

PASSIVE EYE PROTECTION

Tried-and-tested hand shields can be used as a cost-effective alternative to automatic eye protection. They feature high mechanical strength and a long service life.



AIR MASK

The new Air Mask is the perfect addition to your respiratory protection product portfolio for demanding welding and grinding tasks. The extremely large field of vision and clear, curved protecting plate allow for a 180° view.

In combination with the Fronius Air/3 respiratory protection system, the Air Mask satisfies the requirements of the most stringent protection class (TH3) in accordance with the EN standard, enabling comfortable working even under harsh environmental conditions.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0231	8	D	AirMask	189,00
42,0510,0176	8	D	Vizor Air/3 fan-filter device in the hard-top case	785,00

ACCESSORIES, REPLACEMENT AND WEARING PARTS FOR THE AIR MASK

To ensure a consistently high level of operational safety, the following functional accessories and wearing parts are available for the Air Mask.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0223	8	D	AirMask transparent panels (10 pcs per set)	140,00
42,0510,0241	8	D	AirMask clear plate	19,50
42,0510,0222	8	D	AirMask face seal	57,00
42,0510,0225	8	D	AirMask black glass (DIN A5)	66,00
42,0510,0226	8	D	AirMask head band (2 pcs per set)	14,30
42,0510,0185	8	A	Vizor Air/3 particle filter with pre-filter	26,10
42,0510,0188	8	A	Vizor Air/3 pre-filter (50 pcs in the set)	33,20
42,0510,0175	8	A	Vizor Air/3 spark protection grid	15,90
42,0510,0183	8	D	Vizor Air/3 air hose	66,00
42,0510,0041	8	D	Vizor Air air hose sleeve black	56,00
42,0510,0170	8	D	Vizor Air/3 seal set for fan-filter	13,20
42,0510,0182	8	D	Vizor Air/3 Li-Ion battery Standard about 10h runtime	132,00
42,0510,0181	8	D	Vizor Air/3 Li-Ion battery Longlife about 20h runtime	192,00
42,0510,0221	8	D	Vizor Air/3 fan filter unit without cover, belt, and battery	435,00
42,0510,0180	8	D	Vizor Air/3 charger (EU, AUS, UK, US)	99,00
42,0510,0240	8	D	Vizor Air/3 filter Harness	128,00

HAND SHIELD „EASY“

Handy and lightweight version made from a special type of plastic. Supplied complete with clear auxiliary glass and A9 welding filter (90 x 110 mm).



ARTICLE NUMBER	PG	DC		PRICE EUR
44,0450,0048	8	A	Hand shield Easy	8,50



HAND SHIELD „POLIT“

Offset, extremely lightweight and robust version made from original Polit, a special glass-fibre reinforced polyester resin. Supplied complete with clear auxiliary glass and A10 welding filter (90 x 110 mm).

Benefits:

- / High mechanical strength and chemical resistance
- / Flame-resistant and antistatic
- / Dimensional stability irrespective of heat, cold or moisture
- / Meets the requirements of DIN 58214

ARTICLE NUMBER	PG	DC		PRICE EUR
44,0450,0049	8	A	Hand shield Polit	20,50



HAND SHIELD „POLIT - CLEAR VIEW“

The same design as the hand shield „Polit“, but with clear view. Supplied complete with clear protection glass and A10 welding filter (90 x 110 mm), protection glass in clear view area 40 x 110 mm.

Benefits:

- / High mechanical strength and chemical resistance
- / Flame-resistant and antistatic
- / Dimensional stability irrespective of heat, cold or moisture
- / Meets the requirements of DIN 58214

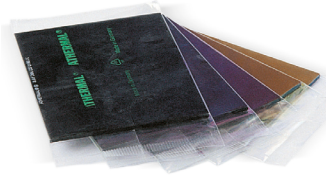
ARTICLE NUMBER	PG	DC		PRICE EUR
44,0450,0050	4	D	Hand-protect-screen „Polit - free-look“	29,60



LEATHER PROTECTIVE MASK

Glasses shield which lifts up, provides effective protection against heat and reflections. Soft, supple leather. Keeps both hands free. Supplied without lenses. Lenses: Ø 50 mm
Level of protection 9 - 14 and protective glass overlay (see below).

ARTICLE NUMBER	PG	DC		PRICE EUR
44,0450,0563	4	D	Mask complete with leather cap	75,60
42,0300,1333	4	D	Welders protective glass DIN A9 ø50mm	0,90
42,0300,1334	4	D	Welders protective glass DIN A10 ø50mm	0,90
42,0300,1335	4	D	Welders protective glass DIN A11 ø50mm	0,90
42,0300,1336	4	D	Welders protective glass DIN A12 ø50mm	0,90
42,0300,1337	4	D	Welders protective glass DIN A13 ø50mm	0,90
42,0300,1338	4	D	Welders protective glass DIN A14 ø50mm	0,90



WELDING FILTERS

Welding filters are available in various dimensions and are individually wrapped in film.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0300,0371	8	D	Athermal-glass 90x110mm/DIN A8	2,45
42,0300,0372	8	D	Athermal-glass 90x110mm/DIN A9	2,45
42,0300,0373	8	A	Athermal-glass 90x110mm/DIN A10	2,45
42,0300,0374	8	A	Athermal-glass 90x110mm/DIN A11	2,45
42,0300,0375	8	A	Athermal-glass 90x110mm/DIN A12	2,45
42,0300,1327	8	D	Athermal-glass 90x110mm/DIN A13	2,45
42,0300,1328	8	D	Athermal-glass 90x110mm/DIN A14	2,45
42,0300,0377	9	A	Welders protective glass DIN A9V 90x110mm	4,30
42,0300,0378	9	A	Welders protective glass DIN A10V 90x110mm	4,30
42,0300,0379	9	A	Welders protective glass DIN A11V 90x110mm	4,30
42,0300,0380	9	A	Welders protective glass DIN A12V 90x110mm	4,30
42,0300,1140	9	A	Welders protective glass DIN A13V 90x110mm / gold	4,65
42,0300,1141	9	D	Welders protective glass DIN A14V 90x110mm	4,55

PROTECTION GLASS

To protect the black glass from welding spatter. The 1000-hour glass has a particularly long service life.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0300,0394	8	A	Cover lens 90x110mm	0,45
42,0300,0392	4	A	Cover lens 51x108mm	0,35
42,0300,1339	4	D	Cover lens ø50mm	0,85
42,0300,0391	9	A	1000-hour glass 90x110mm	1,20

CLEAR/TINTED PROTECTIVE GLASSES

A really eye-catching piece! Modern design meets optimal protection. Extremely light protective glasses with all-round vision, nose pad with ventilation slits and rubber temple tips providing improved hold. Anti-fog and scratch-resistant polycarbonate lenses offer 100% UV protection and are certified in accordance with CE EN 166.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0190	8	A	Protective goggles UV "clear"	11,80
42,0510,0123	8	A	Protective goggles UV "tinted"	11,80
42,0510,0124	8	D	Glasses pouch	4,20



GLORYFY

Gloryfy glasses are made from a special patented NBFX polymer which makes them unbreakable. They always return to their original position (memory effect), even after strong deformation.

The lightweight material makes them extremely comfortable to wear.

The Gloryfy glasses are available in the versions „Fronius G13“ and „Fronius Navigator“.



FRONIUS G13

In the standard version, the G13 is supplied with filter 3 glass which offers optimum glare protection, UVA/UVB to 400 nm, and perfect contrast. The flexible frame enables quick lens changeover. With the ability to change to the optionally available yellow F1 lenses, the glasses offer optimum visibility for all darker environments.

Color: Black-matt/red

Scope of supply: Fronius G13, glasses pouch, soft case

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0299	8	D	Fronius G13 Gloryfy	111,00
42,0510,0310	8	D	Fronius G13 lenses (yellow)	39,00



FRONIUS NAVIGATOR

The classic stylish aviator look makes these glasses the perfect accessory. The fine, unbreakable frame with Stratos lenses makes them ultra-lightweight and extremely comfortable to wear.

Color: Black-matt/red

Scope of supply: Fronius Navigator, glasses pouch, hard case

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0300	8	D	Fronius Navigator Gloryfy	116,00

WORK CLOTHING

High temperatures, intensely bright arcs and hot workpieces are part of every welder's daily life. Fronius personal protective equipment (PPE for short) provides the welder with the protection they need during every assignment.

The high-quality protective clothing from Fronius is functional and hard-wearing and satisfies the most stringent requirements

- / Standards-compliant, heat-tested materials
- / UV-resistant protection of eyes and body
- / Spatter protection at all exposed points
- / Functional and extremely comfortable to wear

Basic line is the ideal workshop apparel for anyone who has to pick up a welding torch. This line of clothing is highly functional, yet is also comfortable to wear.

STANDARD EQUIPMENT

Light:	/ EN 11611:2015, class1, A1 + A2	/ EN 61482-1-2:2007, class 1
/ 98% cotton	/ EN ISO 11612:2015, A1 + A2 + B1 + C1	/ Type-tested
/ 2% antistatic material	/ EN 1149-5:2008	



LIGHT WORK TROUSERS

These functional welder's trousers feature: 2 front pockets, 2 side pockets with flap, 1 rear pocket with flap, and reflectors in the form of strips and triangles.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0261,42	8	C	Trousers Light (size 42)	89,00
42,0510,0261,44	8	C	Trousers Light (size 44)	89,00
42,0510,0261,46	8	C	Trousers Light (size 46)	89,00
42,0510,0261,48	8	C	Trousers Light (size 48)	89,00
42,0510,0261,50	8	C	Trousers Light (size 50)	89,00
42,0510,0261,52	8	C	Trousers Light (size 52)	89,00
42,0510,0261,54	8	C	Trousers Light (size 54)	89,00
42,0510,0261,56	8	C	Trousers Light (size 56)	89,00
42,0510,0261,58	8	C	Trousers Light (size 58)	89,00
42,0510,0261,60	8	C	Trousers Light (size 60)	89,00



LIGHT BOMBER JACKET

This functional welder's jacket features: stand-up collar and press studs, concealed zip, 2 breast pockets with flap, 2 pockets with flap, reflectors in the form of strips and triangles.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0262,42	8	C	Bomber jacket Light (size 42)	94,00
42,0510,0262,44	8	C	Bomber jacket Light (size 44)	94,00
42,0510,0262,46	8	C	Bomber jacket Light (size 46)	94,00
42,0510,0262,48	8	C	Bomber jacket Light (size 48)	94,00
42,0510,0262,50	8	C	Bomber jacket Light (size 50)	94,00
42,0510,0262,52	8	C	Bomber jacket Light (size 52)	94,00
42,0510,0262,54	8	C	Bomber jacket Light (size 54)	94,00
42,0510,0262,56	8	C	Bomber jacket Light (size 56)	94,00
42,0510,0262,58	8	C	Bomber jacket Light (size 58)	94,00
42,0510,0262,60	8	C	Bomber jacket Light (size 60)	94,00



LONG-SLEEVED SHIRT

The attractive long-sleeved shirt is made from 60% Protex, 38% cotton and 2% Beltron. It is checked for conformity with EN ISO 11612:2008 class A1, B1, C1 / EN 1149-5:2008 (EN1149-3) and IEC61482-2:2008 class 1.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0243	8	A	Long sleeve Shirt (size S)	54,00
42,0510,0244	8	A	Long sleeve Shirt (size M)	54,00
42,0510,0245	8	A	Long sleeve Shirt (size L)	54,00
42,0510,0246	8	A	Long sleeve Shirt (size XL)	54,00
42,0510,0247	8	A	Long sleeve Shirt (size XXL)	54,00
42,0510,0248	8	D	Long sleeve Shirt (size XXXL)	54,00



HIGHEND LEATHER JACKET

The HighEnd leather welding jacket is made from smooth elastic split calf leather and manufactured in accordance with EN 11611: 2008-2-A1. The jacket features a button facing and stand-up collar with Velcro fasteners and sleeves with elastic cuffs.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0255	8	D	Leather jacket HighEnd (size S)	146,00
42,0510,0256	8	A	Leather jacket HighEnd (size M)	146,00
42,0510,0257	8	A	Leather jacket HighEnd (size L)	146,00
42,0510,0258	8	A	Leather jacket HighEnd (size XL)	146,00
42,0510,0259	8	A	Leather jacket HighEnd (size XXL)	146,00
42,0510,0260	8	D	Leather jacket HighEnd (size XXXL)	146,00
42,0510,0270	8	D	Leather jacket HighEnd (size XXXXL)	156,00
42,0510,0271	8	D	Leather jacket HighEnd (size XXXXXL)	156,00



BASIC LEATHER JACKET

The functional leather welding jacket is made from split calf leather and manufactured in accordance with EN 11611: 2008-2-A1. The jacket features a button facing with Velcro fasteners.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0249	8	D	Leather jacket Basic (size S)	95,00
42,0510,0250	8	A	Leather jacket Basic (size M)	95,00
42,0510,0251	8	A	Leather jacket Basic (size L)	95,00
42,0510,0252	8	A	Leather jacket Basic (size XL)	95,00
42,0510,0253	8	D	Leather jacket Basic (size XXL)	95,00
42,0510,0254	8	D	Leather jacket Basic (size XXXL)	95,00
42,0510,0268	8	D	Leather jacket Basic (size XXXXL)	105,00
42,0510,0269	8	D	Leather jacket Basic (size XXXXXL)	105,00



LEATHER WELDING APRON

The welding apron with bib is made of cow split leather 600 x 900 mm and EN ISO 11612: 2015. It has leather straps and automatic clips for fastening and adjusting at the neck and at the waist.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0320	8	D	Leather welding apron	25,00



WELDING SAFETY HOOD

The welding safety hood is made from 100% cotton and is checked for conformity with EN 11611: 2015 class A-1. It protects the welder's head and neck against welding spatter and arc radiation.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0238	8	D	Welding hood	15,30



WELDING BANDANA

The welding bandana is made from 100% cotton and is checked for conformity with EN 11611: 2015 class A-1. It protects the welder's head and forehead against welding spatter and arc radiation.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0239	8	A	Welding bandana	15,30



S3 SAFETY BOOTS

These boots satisfy all requirements for ensuring optimum protection in daily use: they are oil- and dirt-repellent with a natural orthopaedic leather lining, stainless steel insoles and a wide FreeToes steel toe cap. The sole is oil-, fuel- and acid-resistant, non-slip, permanently elastic and shock-absorbent, resistant to contact heat up to 300°C, insulated against cold and heat and has a protective midsole. The high nitrile rubber outsole provides excellent water resistance and the seams and shoelaces are made from heat- and flame-resistant NOMEX material.

Certified in accordance with EN ISO 20345: 2044.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0126,39	8	D	Safety boots S3 (size 39)	139,90
42,0510,0126,40	8	D	Safety boots S3 (size 40)	139,90
42,0510,0126,41	8	D	Safety boots S3 (size 41)	139,90
42,0510,0126,42	8	D	Safety boots S3 (size 42)	139,90
42,0510,0126,43	8	A	Safety boots S3 (size 43)	139,90
42,0510,0126,44	8	D	Safety boots S3 (size 44)	139,90
42,0510,0126,45	8	D	Safety boots S3 (size 45)	139,90
42,0510,0126,46	8	D	Safety boots S3 (size 46)	139,90
42,0510,0126,47	8	D	Safety boots S3 (size 47)	139,90

BASIC GLOVES

Hard-wearing split calf leather with heat-resistant Kevlar seam; meets the requirements of EN 388 / Cat. II.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0157	8	D	Welding gloves MMA, MIG/MAG Basic 9 white	7,10
42,0510,0016	8	A	Welding gloves MMA, MIG/MAG Basic 10 white	7,10
42,0510,0017	8	A	Welding gloves MMA, MIG/MAG Basic 11 whitew	7,10

HIGHEND GLOVES

Special heat-resistant split leather with heat-resistant Kevlar seam. Lint-free, insulated duvetyne inner lining. Meets the requirements of EN 388, EN 407 / Cat. III.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0015	8	A	Welding gloves MMA, MIG/MAG HighEnd 10 red	12,80
42,0510,0014	8	A	Welding gloves MMA, MIG/MAG HighEnd 11 red	12,80



TIME GLOVES

Palm made from sebatan, heat-resistant up to 250°C. Back and cuff made from aluminium-coated Kevlar, heat-resistant up to 300°C. ESD compatible. Meets the requirements of EN 407 / Cat. III.

ARTICLE NUMBER	PG	DC		PRICE EUR
44,0450,0843	8	D	Welding gloves Time ESD suitable, alu laminated/up to 250°C	79,00



BASIC TIG GLOVES

Made from soft nappa leather, 35 cm long. Meets the requirements of EN 388 / Cat. II.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0156	8	D	Welding gloves TIG Basic size 9	7,10
44,0450,0056	8	A	Welding gloves TIG Basic size 10	7,10
42,0510,0103	8	D	Welding gloves TIG Basic size 11	7,10



HIGHEND TIG GLOVES

Made from soft sheepskin nappa leather, 0.8 mm thick. Pulse protection and Kevlar seam, long split leather cuff, 35 cm in length. Meets the requirements of EN 388 Cat. II, EN 12477A Type 12.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0104	8	A	Welding gloves TIG HighEnd size 9	14,80
42,0510,0105	8	A	Welding gloves TIG HighEnd size 10	14,80
42,0510,0106	8	A	Welding gloves TIG HighEnd size 11	14,80

WELDING TABLES

Fronius offers numerous components for setting up one or more welding workplaces in your production halls, including welding tables. Our welding tables come in different dimensions and weights to suit a range of application areas – from the welding training table to the professional presentation table, we have the right product for you.

All welding tables are equipped with a slag tray, side-mounted tool tray and quiver.

Optional components, such as a welding screen, table trim, fume extractor or air compressor, can be individually configured depending on the application at hand.



WELDING TABLE 1500 X 750

Presentation table with integrated copper plate, welding grate, slag tray, welding sample drawer, overhead welding unit and three-way electrical distributor.

/ Option: portable welding screen, pneumatically lowerable, 640 mm

/ Option: high-pressure extractor with exhaust trunk, 320 m² per hr

/ Option: air compressor with compressed-air gun, 35l per min at 4 bar

ARTICLE NUMBER	PG	DC		PRICE EUR
8,045,621	4	W	FWT 1500x750mm welding table	4.118,00
8,100,280	4	D	Blinds flexible	4.790,00
8,100,119	4	D	Fumes extraction system	3.999,00
8,100,120	4	D	Air compressor with blow-out gun	1.399,00
38,0100,0189	4	D	GroundCable distributor x5	294,00
38,0008,0027	4	X	Power connection distributor	655,00
8,100,121	8	D	FWT Wheels	530,00



RED WELDING TABLE 1000 X 700

Welding tables are equipped with a large slag tray, side-mounted tool tray and quiver.

/ Option: workpiece holder

ARTICLE NUMBER	PG	DC		PRICE EUR
4,001,047	8	D	Welding table 1000 x 700 Standard	1.890,00
4,001,361	8	D	Welding table 1000 x 700 with rost junk and water tank	1.990,00
4,001,529	8	D	Welding-bench attachment	1.270,00
4,001,581	8	D	Workholding device	380,00

* Welding bench attachment with black glass for presentation purposes

WELDING TABLE 900 X 500



Due to its small size and compact design, this welding table is ideal for training institutes. The 10 mm thick steel plate and durable base frame make this welding table extremely robust. The integrated grate (250x250x10 mm) and removable slag tray (380x150x60 mm) ensure a clean working environment. The table is also equipped with two storage compartments for electrodes and TIG rods.

This welding table is supplied as a fully assembled unit.

/ Option: workpiece holder, mountable on both sides.

ARTICLE NUMBER	PG	DC		PRICE EUR
4,001,794	8	D	Welding table Basic 900x500	610,00
4,001,793	8	D	Workpiece bracket welding table Basic	245,00

TORCH HOLDER

The torch holders for TIG and MAG welding torches are equipped with magnets and enable more flexible positioning.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0411,0173	9	D	MIG torch holder with magnet	22,40
42,0411,0174	9	D	TIG torch holder with magnet	22,40

WELDING FUME EXTRACTION

Employee protection is no longer just about satisfying the inspectors – it needs to make the company appealing to new employees and keep existing employees engaged and productive.

Breathing in fine dust, such as that produced during welding, can directly result in diseases of the respiratory tract or weakening of the immune system. This in turn makes employees more susceptible to illness. Welding creates fine dust, up to 20 kg per year per welder.

A maximum permissible concentration in breathable air has been defined by legislators to protect employees' health. A list with the maximum workplace concentration can be found in the national hazardous materials regulation (latest version dated 2011).



FUMEEXJET

High-pressure welding fume filter with filter cartridges: this compact power package is suitable for extraction by means of welding torch, suction nozzles (including on the welding robots, for example), etc.

Housing made of powder-coated steel plate. A double-sealed, high-quality filter cartridge separates up to >99% of the extracted fine dust.

The „XL“-Version also includes a 2nd filter cartridge for a longer lifetime. The filter cartridges can be repeatedly cleaned, either manually or automatically. Dust can be easily disposed of using the removable dust drawer. The maintenance-free vacuum generator is installed in the base module with soundproofing. The motor is cooled separately and is thus easy to use for welding torch extraction.

/ Standard equipment: filter cartridge (x2 for XL), dust collection drawer, mains cable, infinitely adjustable volume flow control, maintenance-free turbine, filter clogging indicator

/ „Auto“ version: additional automatic compressed air filter cleaning, control unit (Air Control) with plain text display, constant volume flow control, interface for external control, or for start/stop automatic sensor cable option (42,0411,0166).

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0411,0730	4	D	FumeExJet	2.793,00
42,0411,0732	4	D	FumeExJet-XL	4.437,00
42,0411,0733	4	D	FumeExJet-XL-auto	4.839,00
42,0411,0166	4	D	Sensor cable Start/Stop (only for FumeExJet XL auto)	248,00
42,0411,0734	4	D	Filter cartridge for FumeExJet	150,00
42,0411,7255	4	D	Hose ø 45mm, 5 m with sleeve	120,00
42,0411,7256	4	D	Hose ø 45mm, 10 m with sleeve	232,00
42,0411,7555	4	D	Connection sleeve for welding torches K4	29,00

FUMEEX EXTRACTION SET

/ Existing welding torches can be easily upgraded

/ Suitable for MTG 250i, MTG 320i, MTW250i, MTW 400i, MTW500i, Multilock

/ Easy change from smoke extractor torch to standard Multilock torch

/ Clean hose pack components through external, separated airflow

/ Best performance of smoke extraction



ARTICLE NUMBER	PG	DC		PRICE EUR
44,0350,4077	21	A	OPT/i FumeEx Medium /5m	282,00
44,0350,4078	21	D	OPT/i FumeEx Small /5m	282,00
38,0001,0115	6	A	Leather protective hose 50x1x1100	74,00
42,0300,2671	6	D	Leather protection hose ID 50 L=3m with velcro fastening	307,00
44,0350,4077: MTG 320i / MTB 320i G ML / MTW 400i / MTB 400i W ML / MTW 500i / MTB 500i W ML				
44,0350,4078: MTG 250i / MTB 250i G ML / MTW 250i / MTB 250i W ML				

EXTRACTION NOZZLE

ARTICLE NUMBER	PG	DC		PRICE EUR
44,0350,4021	20	D	Extraction nozzle FumeEX ø42/ø25,5	31,90
42,0001,4805	20	A	Extraction nozzle FumeEX ø34,7/ø22,5	31,90

SMOKE EXTRACTOR TORCH K4

- / Compact torch solution
- / Small interfering contour
- / Best performance of smoke extraction

ARTICLE NUMBER	PG	DC		PRICE EUR
4,036,438	19	D	MTG 400i K4 /FSC/4,5m/45°	645,00
4,036,439	19	D	MTG 400i K4 /FSC/UD/4,5m/45°	724,00
4,036,440	19	D	MTW 500i K4 /FSC/4,5m/45°	746,00
4,036,441	19	C	MTW 500i K4 /FSC/UD/4,5m/45°	825,00

Wearing parts see MTG 400i/MTW 500i

EXTRACTION GAS NOZZLE

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0001,2917	10	A	Extraction nozzle ø25,5/ø35x100	32,10

TTW4000A, TIG MANUAL WELDING TORCH, WATERCOOLED, F++ CONNECTION WITH EXTRACTION FUNCTION

ARTICLE NUMBER	PG	DC		PRICE EUR
4,035,839	3	B	TTW4000A F++/UD/8m FumeEx	1.249,00

WELDING WORKSTATION EQUIPMENT

In line with our selection of welding systems, we offer the required welding accessories for all power categories – as single components or as a set.

MMA WELDING WORKSTATION EQUIPMENT SET

For MMA welding, includes hand shield „EASY“, chipping hammer, electrode cable and grounding cable. Items 4,001,039 and 4,001,088 with small connector (ø9 mm), rest with large connector (ø13 mm).



ARTICLE NUMBER	PG	DC		PRICE EUR
4,001,039	8	A	Welding place equipment 16mm ² (4m+3m) current plug small	48,00
4,001,088	8	D	Welding place equipment 25mm ² (4m+3m) current plug small	95,00
4,001,040	8	A	Welding place equipment 25mm ² (4m+4m) current plug big	99,00
4,001,042	8	A	Welding place equipment 35mm ² (4m+3m) current plug big	135,00
4,001,044	8	D	Welding place equipment 50mm ² (4m+4m) current plug big	175,00
4,001,046	8	D	Welding place equipment 70mm ² (4m+4m) current plug big	195,00

GROUNDING CABLES

Grounding cable with cable connector, earthing clamp and cable lug, fixed. Grounding cable 43,0004,1607 and 43,0004,2632 with small connector (ø9 mm), rest with large connector (ø13 mm).



ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,1607	8	A	GroundCable 16mm ² 3m 200A 60% plug 25mm ² (small) earth clamp	21,30
43,0004,0533	8	A	GroundCable 16mm ² 3m 200A 60% plug 35mm ² earth clamp	23,90
43,0004,2108	8	C	GroundCable 25mm ² 5m 250A 60% plug 35mm ² earth clamp	70,90
43,0004,0479	8	A	GroundCable 25mm ² 4m 250A 60% plug 35mm ² earth clamp	49,50
43,0004,2632	8	D	GroundCable 25mm ² 6m 250A 60% plug 25mm ³ + cable lug Ø 13,5mm	66,00
43,0004,0160	8	A	GroundCable 35mm ² 4m EC/BY earth clamp / BY male	56,00
43,0004,0161	8	A	GroundCable 50mm ² 4m EC/BY earth clamp / BY male	78,00
43,0004,2527	8	A	GroundCable 50mm ² 4m CL/BY cable lug / BY male	78,00
43,0004,0163	8	A	GroundCable 70mm ² 4m EC/BY earth clamp / BY male	99,00
43,0004,2262	8	A	GroundCable 70mm ² 10m CL/BY cable lug / BY male	192,00
43,0004,0581	8	A	GroundCable 95mm ² 4m EC/BY earth clamp / BY male	152,00
43,0004,2130	8	A	GroundCable 95mm ² 10m CL/BY cable lug / BY male	251,00
43,0004,2131	8	A	GroundCable 95mm ² 15m CL/BY cable lug / BY male	362,00

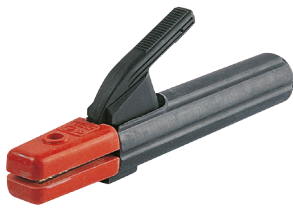
ELECTRODE CABLES

Welding power-lead with electrode holder and cable connector, fixed, 4 m.

Electrode cable 43,0004,1606 with small connector (ø9 mm), rest with large connector (ø13 mm).



ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,1606	8	A	Electrode cable 16mm ² 4m 200A current plug small	25,00
43,0004,0149	8	A	Electrode cable 25mm ² 4m 200A plug 25mm ²	55,00
43,0004,0478	8	A	Electrode cable 25mm ² 4m 200A current plug big	53,00
43,0004,0151	8	A	Electrode cable 35mm ² 4m 300A current plug big	59,00
43,0004,0153	8	A	Electrode cable 50mm ² 4m 400A current plug big	78,00
43,0004,0154	8	A	Electrode cable 70mm ² 4m 400A current plug big	99,00

**ELECTRODE HOLDER 150 A**

/ Handle made from glass-fibre reinforced polyester resin
 / Welding current: 150 A / 60% D.C.
 / Electrodes Ø: 2.0 - 3.2 mm
 / Welding power-lead: 16 - 25 mm²

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,1629	8	A	Electrode holder 16-25mm ² 150 A for Iø 2,0-3,2mm ²	8,30

**ELECTRODE HOLDER 200 A**

/ Handle made from glass-fibre reinforced polyester resin
 / Welding current: 200 A / 60% D.C.
 / Electrodes Ø: 2.5 - 4.0 mm
 / Welding power-lead: 25 - 35 mm²

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,0127	8	A	Electrode holder 25-35mm ² 200A for Iø 2,5-4mm ²	9,90

**ELECTRODE HOLDER 250 A**

/ Handle made from glass-fibre reinforced polyester resin
 / Welding current: 250 A / 60% D.C.
 / Electrodes Ø: 3.2 - 5.0 mm
 / Welding power-lead: 35 - 50 mm²

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,0128	8	A	Electrode holder 35-50mm ² 250A for Iø 3,2-5mm ²	11,40

**ELECTRODE HOLDER 400 A**

/ Professional tool for maximum safety
 / Welding current: 400 A / 60% D.C.
 / Electrodes Ø: 3.25 - 4 mm
 / Welding power-lead: 35 - 50 mm²

/ More powerful versions available on request.

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,0878	4	A	Electrode holder 400 A - fully isolated	16,40

**ELECTRODE HOLDER OPTIMUS 300**

/ Professional tool with three clamping positions for maximum safety
 / Welding current: 300 A / 65% D.C.
 / Electrodes Ø: 2.5 - 4 mm
 / Welding power-lead: 35 - 50 mm²

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0411,0175	4	D	Electrode holder Optimus 300 A	29,20
42,0411,0176	4	D	Insulating shell Optimus 300 A	7,60

**EARTHING CLAMP - FE 200 A**

- / With copper band and extremely strong spring for a secure hold
- / Amperage: 200 A / 60% D.C.
- / Welding power-lead: 16 - 25 mm²
- / Length: 160 mm
- / Jaw opening: max. 60 mm

ARTICLE NUMBER	PG	DC		PRICE EUR
44,0250,0035	8	A	Earth clamp 200A at 60%ED 16-25mm ² Material: FE	7,70

**EARTHING CLAMP - MS 400 A**

- / With extremely strong spring for a secure hold
- / Amperage: 400 A / 60% D.C.
- / Welding power-lead: 25 - 50 mm²
- / Length: 170 mm
- / Jaw opening: max. 70 mm

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,0136	8	A	Earth clamp 400A at 60%ED 25-35mm ² Material: MS	9,70

**EARTHING CLAMP - MS 500 A**

- / With extremely strong spring for a secure hold
- / Amperage: 500 A / 60% D.C.
- / Welding power-lead: 50 - 70 mm²
- / Length: 180 mm
- / Jaw opening: max. 80 mm

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,0137	8	A	Earth clamp 500A at 60%ED 50mm ² Material: MS	11,90

**EARTHING CLAMP - FE 600 A**

- / Robust design, fastened using a tommy screw
- / Amperage: 600 A / 60% D.C.
- / Welding power-lead: 70 mm²
- / Length: 170 mm
- / Jaw opening: max. 40 mm

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,0138	8	A	Earth clamp 600A at 60%ED 70mm ² Material: FE	12,90

**EARTHING CLAMP - FE 1000 A**

- / With MS jaw; fastened using a tommy screw, extremely robust design
- / Amperage: 1000 A / 60% D.C.
- / Welding power-lead: 70 - 95 mm²
- / Length: 240 mm
- / Jaw opening: max. 85 mm

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,0139	8	A	Earth clamp 1000A at 60%ED 70-95mm ² Material: FE	58,00



GROUNDING MAGNETS 400 A / 600 A

/ Amperage: 400 A 600 A

/ Welding power-lead: 25 - 50 mm², 35 - 95 mm²

/ Pole length: 90 mm, 110 mm

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0004,0140	4	C	Magnetical earth-clamp 400 A - 25-50 mm ²	32,60
43,0004,0141	4	C	Magnetical earth-clamp 600 A - 35-95 mm ²	44,80

WELDING POWER-CABLES AND CONNECTORS

Our welding power-cables consist of a finely stranded copper conductor encased in a jacket made from extremely strong chloroprene rubber (CR). The welding power-cables can be used in dry, damp or wet rooms, as well as outdoors as machine or manual welding leads.

The welding power-cables are available by the metre in any length. Cable connectors and couplings for the relevant cross-sections are available in bayonet design with a diameter of 9 mm or 13 mm.



WELDING POWER-CABLES (BY THE METRE)

The welding power-cables are available by the metre, i.e. in any length. The price specified is for one metre.

ARTICLE NUMBER	PG	DC		PRICE EUR
40,0003,0029	8	A	Welding cable 16mm ²	4,70
40,0003,0004	8	A	Welding cable 25mm ²	6,20
40,0003,0003	8	A	Welding cable 35mm ²	7,10
40,0003,0014	8	A	Welding cable 50mm ²	9,60
40,0003,0021	8	A	Welding cable 70mm ²	15,40
40,0003,0015	8	A	Welding cable 95mm ²	19,10
40,0003,0214	8	A	Welding cable 120mm ²	43,95

CABLE CONNECTORS AND CABLE COUPLINGS

Tried-and-tested bayonet design, brass connection with rubber insulation. Pinch contact and hexagon socket screw are supplied for cable fitting. Suitable for all Fronius welding systems. Items 43,0003,0065 and 43,0003,0062 with small connector and socket (ø9 mm), rest with large connector and socket (ø13 mm).



ARTICLE NUMBER	PG	DC		PRICE EUR
43,0003,0065	8	A	Current plug 16 - 25 mm ² 200A / 60% (small)	2,45
43,0003,0340	8	A	Current plug 25 - 35 mm ² 200A / 60%	4,20
43,0003,0066	8	A	Current plug 35 - 50 mm ² 300A / 60%	4,30
43,0003,0019	8	A	Current plug 50 - 70 mm ² 400A / 60%	5,20
43,0003,0301	8	A	Current plug 70 - 95 mm ² 500A / 60%	7,20
43,0003,0062	8	A	Cable coupling 16 - 25 mm ² 200A / 60% (small)	4,70
43,0003,0063	8	A	Cable coupling 35 - 50 mm ² 300A / 60%	4,85
43,0003,0064	8	A	Cable coupling 50 - 70 mm ² 400A / 60%	5,20
43,0003,0385	8	A	Cable coupling 70 - 95 mm ² 500A / 60%	6,95

CONNECTOR AND SOCKET SPLITTER

Splitter for connecting two cables to one socket or connector with a diameter of 13 mm



ARTICLE NUMBER	PG	DC		PRICE EUR
43,0003,0229	8	A	(1) Cable distributor 70-95mm ²	46,70
43,0003,0704	6	A	(2) Cable distributor 70-95mm ²	54,30

ARC AIR GOUGING TORCH

Arc air gouging is a tried-and-tested process in steel construction for gouging imperfect weld seams, for joint preparation and for removing surplus metal from steel castings. Thus, an arc air gouging torch (handle with current and compressed air connection) is also required in addition to a suitable Fronius inverter, as well as carbon electrodes that act as arc carriers.

Principle: metal is melted using the carbon electrode and blown out of the weld pool using compressed air (integrated nozzle in handle).



ARC AIR GOUGING TORCH KRIS 10, 600 A

/ Arc air gouging torch cpl. with 2.5 m special cable

/ Max. load: 600 A at 60% D.C.

/ Electrodes: round carbon, Ø4 - 10 mm

/ Compressed air: 6-10 bar

/ Air consumption: max. 500 l/min.

/ Weight: 3.3 kg

Scope of supply does not include air hose and current cable, connection prepared for cable lug.

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0011,0004	9	A	GAUGING TORCH K10 600A	196,00
43,0004,2262	8	A	GroundCable 70mm ² 10m CL/BY cable lug / BY male	192,00
41,0009,0016	6	A	Cable lug 70mm ² /ø10,5/closed	2,20
40,0003,0021	8	A	Welding cable 70mm ²	15,40
43,0003,0301	8	A	Current plug 70 - 95 mm ² 500A / 60%	7,20

ARC AIR GOUGING TORCH KRIS 13, 1000 A

/ Arc air gouging torch cpl. with 2.5 m special cable

/ Max. load: 1000 A at 60% D.C.

/ Electrodes: round carbon, Ø6 - 10 mm

/ Compressed air: 6-10 bar

/ Air consumption: max. 500 l/min.

/ Weight: 4.1 kg

Scope of supply does not include air hose and current cable, connection prepared for cable lug.



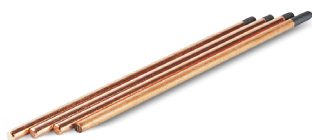
ARTICLE NUMBER	PG	DC		PRICE EUR
43,0011,0005	9	D	Gouging blowpipe KRIS 13 1000A	415,00
43,0004,2130	8	A	GroundCable 95mm ² 10m CL/BY cable lug / BY male	251,00
41,0009,0018	6	A	Cable lug 95mm ² /ø10,5/closed	1,50
40,0003,0015	8	A	Welding cable 95mm ²	19,10
43,0003,0301	8	A	Current plug 70 - 95 mm ² 500A / 60%	7,20

CARBON ELECTRODES 305 MM

/ Suitable for arc air gouging

/ Pack contents: 6.5 mm 100 pcs. / 8 mm 50 pcs. / 10 mm 50 pcs

/ Price per piece



ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0003	9	A	Carbon electrode ø 6,5 mm (Pkg. = 100 pcs.)	0,49
41,0010,0004	9	A	Carbon electrode ø 8,0 mm (Pkg. = 50 pcs.)	0,55
41,0010,0005	9	A	Carbon electrode ø 10,0 mm (Pkg. = 50 pcs.)	0,84

WELDING ACCESSORIES

From welding protection spray to wire brushes – at Fronius, we supply everything you need for the perfect preparation and rework of the weld seam from a single source.

The organiser system for torch wearing parts and accessories always sorts your parts perfectly and clearly, whether for stationary or portable use.



PROPANE/BUTANE WELDING PROTECTION SPRAY

The Fronius welding protection spray prevents welding spatter from burning onto components and torch wearing parts during MAG welding. Silicone-free, temporary corrosion protection, leaves no residue. Apply thinly and evenly. Highly flammable.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0002	8	A	Welding spray 0,4l Et1:DE,FR,EN,ES,IT,TR,PL,NL,NO	3,99
42,0510,0002,12	8	A	Welding spray 0,4l Et1 (12pcs.)	43,20
42,0510,0220	8	A	Welding spray 0,4l Et2:CS,SK,EN,PT,HU,HR,RU,RO,ZH	3,99
42,0510,0220,12	8	A	Welding spray 0,4l Et2 (12pcs.)	43,20



CERAMIC WELDING PROTECTION SPRAY

The Ceramic Coating Spray significantly increases the endurance of the torch wearing parts during MIG/MAG welding. The torch parts are reliably protected against the adherence of spatter, even at very high temperatures. The thin, even coating lasts for up to eight hours and is resistant to temperatures of up to 1000 °C. Highly flammable.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0236	8	A	Ceramic spray 400 ml label 1 EN,DE,FR,ES,NO,PL,IT,NL,TR	28,90
42,0510,0237	8	A	Ceramic spray 400 ml label 2 EN,PB,CH,R,CZ,SL,RU,HU	28,90



SPATTER PROTECTION LIQUID

The new Fronius spatter protection liquid prevents welding spatter from burning onto components and torch wearing parts during MAG welding. Even affected areas such as work surfaces, floors and work clothing can be protected against spatter. Considerably less rework required. Does not leave residues. Silicone- and solvent-free, odourless, temporary corrosion protection, break-proof, refillable plastic bottle with fine spray head. Apply thinly and evenly.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0058	8	A	Welding Protection Liquid 0,5l	10,20
42,0510,0059	8	A	Welding Protection Liquid 10l refill canister	109,00
42,0510,0060	8	D	Welding Protection Liquid 20l refill canister	299,00
42,0510,0061	8	D	Welding Protection Liquid 200l refill canister	1.850,00
42,0510,0070	8	D	Discharge tap 10L refill canister Welding Protection Liquid	16,70
42,0510,0071	8	D	Discharge tap 20L refill canister Welding Protection Liquid	17,70

PROTECTION PASTE

Weld briefly until the gas nozzle heats up, immerse gas nozzle in paste. Less spatter adheres to the nozzle, extending the service lives of your wearing parts. Contents: 300 g.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0013	8	A	Spatter protection paste Fronius	14,20

CHIPPING HAMMER

Chipping hammer 250 g: metal with pointed and flat end for removing welding beads and slag from the weld metal.



ARTICLE NUMBER	PG	DC		PRICE EUR
44,0450,0064	8	A	Slag hammer (250g)	9,10

WIRE BRUSH

For cleaning weld seams and other metal surfaces.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0410,0019	8	A	Wire brush cast steel	3,10
42,0410,0020	8	D	Wire brush CrNi	5,10
42,0410,0510	8	D	Wire brush fillet cast steel	7,50
42,0410,0511	8	A	Wire brush fillet CrNi	11,90

MULTI-MAGNETS

Simply fix your components at the required tilt angle. This means that the components can be easily fixed in place and welded by the same person. The new version with a SWITCH button, which switches the pulling force of the magnet on and off, greatly facilitates installation. The value specified in the item description represents the pulling force of the magnet (e.g. 360 = 36 kg). Aluminium exterior.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0056	8	A	Multi Magnet 360	27,10
42,0510,0055	8	A	Multi Magnet 360 Switch	50,00
42,0510,0057	8	A	Multi Magnet 630 Switch	66,00
42,0510,0107	8	D	Multi Magnet 680 Switch Plus	191,00

CO2 TONGS

The essential accessory for CO2 welding. For quick and accurate trimming of the welding wire, time-saving cleaning of the shielding gas nozzle, removal of the shielding gas nozzle and loosening or tightening of the contact tip. Available in two sizes.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0411,3002	9	A	CO2-Tongs for 12-15 mm gas nozzle	19,80
42,0411,3001	9	A	CO2-Tongs for 15-18 mm gas nozzle	19,80

WIRE CLEANING SET

Used to remove any impurities from all wire surfaces (e.g. drawing grease, light rust film, etc.). Provides improved electrical contact and more even wirefeeding due to reduced friction. Cleaning felts are held in place between the wirepool and wirefeeder wheels using a clamp. Protects the inner liner and wearing parts in your welding torch, thereby extending the service life and improving weld seam quality. A small expense that really pays off!



ARTICLE NUMBER	PG	DC		PRICE EUR
44,0450,0067	8	A	Wire-cleaning-set (10 cleaning felt+clamp)	13,20
42,0300,1727	4	D	Felt strips, white 50x50x4 (for aluminum)	0,72
42,0411,0177	4	D	Wire cleaning set - clamps (12 pcs.)	9,40

TOOL CASE

These tool cases enable easy and safe transport of welding systems, welding torches, and accessories. The rounded housing/handle edges make them more comfortable to carry, while castors on the bottom (as of Tool Case 85) turn the tool case into a mobile companion. Pre-formed foam inserts make it easier to store and sort devices and accessories in a clear manner. The functional design of the system case enables several tool cases to be stacked on top of one another without slipping out of place.



TOOL CASE 60

The Tool Case 60 is supplied with a foam insert, which is suitable for the TP150. The trolley function is offered from Tool Case 85 and above.

/ Dimensions: 595 x 325 x 456 mm / Volume: 60l
/ Stackable

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0234	18	A	Tool Case 60	174,00



TOOL CASE 85 UNIVERSAL

The Tool Case 85 Universal is supplied without foam insert. This is optionally available. The optionally available foam insert is suitable for TransTig 1750.

/ Dimensions: 795 x 325 x 458 mm / Volume: 85l
/ Trolley function & stackable

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0272	18	C	Tool Case 85 universal	195,00
40,0006,1447	7	A	Insert Univrsal cpl. TC85	27,40



TOOL CASE 85

The Tool Case 85 is supplied with a foam insert, suitable for the TP180.

/ Dimensions: 795 x 325 x 458 mm / Volume: 85l
/ Trolley function & stackable

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0235	18	A	Tool Case 85	204,00



TOOL CASE 120

The Tool Case 120 is supplied with a foam insert, suitable for TransSteel 2200 / MW190/230i / TT230i.

The TransSteel 2200 can be stored ready-to-use with connected manual welding torch. Furthermore, the Tool Case 120 features a 3-wheel system for easier transport.

/ Dimensions: 910 x 376 x 461 mm / Volume: 120l
/ Trolley function & stackable

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0283	18	D	Tool Case 120	254,00

SHIELDING GAS ACCESSORIES

Our pressure regulators ensure optimum outlet pressure and are available for all conventional welding gases.



CO2/ARGON PRESSURE REGULATOR

Fronius gas pressure regulator with durable housing surface and corrosion-resistant blow-off valve. Robust manometer display 3-30 l/min, supply pressure up to 200 bar.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0011	8	A	Pressure regulator Ar/CO2 Standard, W21,8 x 1/14", 3-30 l/min	59,90
42,0510,0119	8	D	Pressure regulator G30 Ar/CO2 0-10 bar, W21,8x1/14"	70,50
42,0510,0009	8	A	Pressure regulator Standard 3-30 l/min G3/4"	62,00
42,0510,0035	8	A	Pressure regulator Ar/CO2 Standard 3-30 l/min W24,32xG1/14"	64,00
42,0510,0109	8	A	Pressure regulator Ar/CO2 G5/8" AG	67,00
42,0510,0053	8	A	Pressure regulator Ar/CO2 0,960x14NGO	65,00
42,0510,0189	8	D	Pressure regulator Ar/CO2 Standard 3-30 l/min G5/8"	72,00
42,0510,0192	8	D	Pressure regulator Ar/CO2 3-30l/min G1/2"	69,00
42,0510,0120	8	D	Pressure regulator G30 Ar/CO2 0-10 bar G3/4"	75,50
42,0510,0140	8	D	Pressure regulator G30 Ar/CO2 3-30 l/min 0,960x14NGO	92,50
42,0510,0141	8	D	Pressure regulator G30 Ar/CO2 3-30 l/min G5/8"	90,50



CO2/ARGON PRESSURE REGULATOR WITH MEASURING TUBE

Gas pressure regulator with flow tube for high requirements. Corrosion-resistant blow-off valve. Flowmeter: 3-30 l/min, supply pressure up to 200 bar.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0008	8	A	Pressure Regulator Ar/CO2 measuring tube 3-30 l/min W21,8xG1/14"	109,00
42,0510,0079	8	A	Pressure regulator Ar/CO2 Measuring tube 3-30l/min G3/4"	109,00
42,0510,0034	8	A	Pressure regulator Ar/Co2 measuring tube 3-30 l/min W24,32xG1/14"	117,00



AR/H2 PRESSURE REGULATOR WITH MEASURING TUBE

Gas pressure regulator for argon/hydrogen for forming, corrosion-resistant blow-off valve. Flowmeter: 5-50 l/min, supply pressure up to 200 bar.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0010	8	A	Forming gas regulator Ar/H2 measuring tube 5-50 l/min W21,8x1/14" LH	127,00



PRESSURE REGULATOR „MICRO“

Gas pressure regulator with durable housing surface. Robust manometer display 3-13,5l/min, supply pressure up to 200 bar, outlet hose clamp.

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0277	8	D	Pressure regulator Micro 3-13,5l/min; G5/8" AG	35,00
42,0510,0278	8	D	Pressure regulator Micro 3-13,5l/min; G3/4"	35,00
42,0510,0279	8	D	Pressure regulator Micro 3-13,5l/min; 0,960x14NGO AG	35,00
42,0510,0280	8	D	Pressure regulator Micro 3-13,5l/min; G5/8"	35,00



PRESSURE REGULATOR „JUNIOR“

Gas pressure regulator with durable housing surface and corrosion-resistant blow-off valve. Robust manometer display 0-24 l/min, supply pressure up to 200 bar, outlet 1/4".

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0276	8	C	Pressure regulator Junior W21,8x1/14"	43,00



GAS FLOW METER

To measure the gas flow right at the welding torch.

ARTICLE NUMBER	PG	DC		PRICE EUR
43,0009,0007	8	A	Gas flow controller till 25 l/min	7,90

SPARE PARTS/WARING PARTS PRESSURE REGULATOR

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0080	8	A	Working manometer 0-30 l/min	11,20
42,0510,0082	8	A	Content manometer 0-315 bar	11,20
42,0510,0081	8	A	Manometer seal (10 pcs per set)	18,90
42,0510,0036	8	D	Sealing ring Pressure regulator PA white	0,79

TUNGSTEN GRINDERS AND ELECTRODES

Precise longitudinal grinding of tungsten electrodes is the prerequisite for optimum welding quality. The excellent surface quality of the tungsten electrode tips ensures accurate reproduction of the welding parameters.

With the aid of Fronius TIG Grinders, you can process TIG electrodes at a highly professional level with longitudinal grinding and optimum utilisation of the grinding disc. Both devices (TIG Grinder and TIG Grinder Mobile) are self-contained, protecting the welder from harmful grinding dust.



TIG GRINDER

The fixed grinding station is a self-contained system that keeps the grinding dust to itself. Thanks to the wet grinding process using the diamond grinding disc and the high grinding speed, the TIG electrodes are given a smooth, polished surface to ensure perfect welding results. Now with regulated speed.

- / TIG electrodes can be dressed and cut to length in a single device
- / Flawless longitudinal grinding
- / Three grinding positions for optimum utilisation of the diamond grinding disc
- / Digital angle display for exact parameters that can be set identically every time

- / Mains connection: 230 V
- / Motor output: 1,800 W
- / Speed: 10,500 rpm
- / Grinding angle: 20 to 180 degrees
- / Weight: 12.8 kg

/ Scope of supply includes clamping tongs for diameters of 1.6 / 2.4 / 3.2 mm and grinding fluid 0.75 l

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0129	8	A	TIG Grinder Set	2.250,00

WEARING PARTS TIG-GRINDER

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0130	8	A	Grinding-Liquid 250 ml	17,50
42,0510,0131	8	A	Grinding-Liquid 500 ml	27,20
42,0510,0142	8	A	Grinding-Liquid 5l	83,00
42,0510,0132	8	D	Cutting disk	76,00
42,0510,0133	8	A	Diamond disk	352,00
42,0510,0134	8	D	Collet chuck 0,8 mm	20,50
42,0510,0135	8	D	Collet chuck 1,0 mm	20,50
42,0510,0149	8	D	Collet chuck 1,6mm	20,50
42,0510,0136	8	D	Collet chuck 2,0mm	20,50
42,0510,0150	8	A	Collet chuck 2,4mm	20,50
42,0510,0151	8	A	Collet chuck 3,2 mm	20,50
42,0510,0137	8	A	Collet chuck 4,0 mm	20,50
42,0510,0138	8	D	Collet chuck 4,8 mm	20,50
42,0510,0001	8	D	Collet chuck 5,0mm	23,50
42,0510,0012	8	D	Collet chuck 6,0mm	23,50
42,0510,0301	8	D	Collet chuck 6,4mm	23,50
42,0510,0068	8	D	Collet chuck 7,0mm	23,50
42,0510,0128	8	D	Collet chuck 8,0mm	23,50

SPARE PARTS TIG-GRINDER

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0293	8	D	Storage housing for disconnecting device	29,00
42,0510,0295	8	D	Adjusting rod disconnecter for 92 mm electrode	11,50
42,0510,0294	8	D	Adjusting rod disconnecter for 30 mm electrode	36,90
42,0510,0292	8	D	Internal flange grinding wheel	16,50
42,0510,0154	8	A	Electrode holder front part	72,00
42,0510,0153	8	A	Electrode holder- rear part	72,00
42,0510,0155	8	A	Electrode holder complete	144,00
42,0510,0281	8	D	Electrode holder lower 5,0-8,0mm	72,00
42,0510,0284	8	D	Electrode holder complete 5,0-8,0mm	144,00
42,0510,0285	8	D	Electrode holder upper 5,0-8,0mm	72,00
42,0510,0152	8	D	Rubber seal	20,90
42,0510,0290	8	D	Rubber sleeve for handle disconnecting device	46,00
42,0510,0160	8	A	Spare tank with fluid Spare tank	66,00
42,0510,0282	8	D	Belt tensioner bearing	4,90
42,0510,0289	8	D	Sight glass	31,20
42,0510,0287	8	D	PCB speed controller fixing	1,20
42,0510,0286	8	D	Speed regulator automatic	109,00
42,0510,0273	4	D	Speed regulator manual	10,90
42,0510,0288	8	D	Adjusting screw brass	22,00
43,0002,0295	6	A	On-/Off switch	5,10
42,0510,0143	8	D	Belt	27,00
42,0510,0304	8	D	Rubber bush for angle adjustment (ending with 1315-080)	46,00
42,0510,0303	8	D	Separating bushing 4,0-8,0mm	13,50
42,0510,0305	8	D	Electronics for angle adjustment	114,00
42,0510,0306	8	D	Earthing cable for motor shaft	7,60
42,0510,0307	8	D	Seal rear plate/control panel	4,80
42,0510,0308	8	D	Adjusting rod disconnecter free	11,50
42,0510,0309	8	D	Dust container fixing wedges	15,60
42,0510,0209	8	D	Inlet duct	42,00
42,0510,0211	8	D	Separator output jack 2,4-3,2mm	13,20
42,0510,0212	8	D	Separator lead-in jack	20,50
42,0510,0203	8	D	Rubber bush angle adjustment (starting with 1315-081)	46,00
42,0510,0213	8	D	Separator handle	14,30
42,0510,0214	8	D	Separator console	28,50
42,0510,0215	8	D	Sealing ring for disconnecting device	2,90
42,0510,0216	8	D	Locking ring for disconnecting device	0,15
42,0510,0217	8	D	Separator shaft	8,40
42,0510,0218	8	D	Cylinder pin disconnecting device	0,60
42,0510,0202	8	D	Fixing screw	9,90
42,0510,0204	8	D	Motor bearing	17,50
42,0510,0205	8	D	Separator bearing	59,00
42,0510,0207	8	D	Rubber clamping sleeve holder	1,75
42,0510,0201	8	D	Separator spring	5,95
42,0510,0233	8	D	Separator console	35,74
42,0510,0208	8	D	Gearwheel angle adjustment	24,00



TIG GRINDER MOBILE

All the components required for use on construction sites can be found in the practical transport case. Electrode grinding without additional holders is possible. The grinding disc is double-sided and can be used in three configuration positions (six grinding tracks available). It is multifunctional and ideal for face-grinding electrodes.

/ Mains voltage: 230 V / 50 - 60 Hz

/ Output: 500 W

/ Speed: 27,000 rpm

/ Grinding angle: 20° to 60°

/ Scope of supply: device with grinding head 1.6 mm, 2.4 mm, 3.2 mm, electrode holder for short electrodes, tool (hex wrench and flat spanner), holding bracket, suction adapter

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0510,0164	8	A	TIG Grinder Mobile Set	669,00
42,0510,0165	8	D	Orbital set for short electrodes (only in connection with 42,0510,0166)	40,90
42,0510,0166	8	D	Grinding head 1,0 / 4,0 / 4,8 / 6,0mm	115,00
42,0510,0302	8	D	Grinding head 1,6 / 2,0 / 2,4 / 3,2mm	115,00
42,0411,0012	4	A	Diamond abrasive wheel (replacement) coated on both sides	91,00
42,0411,0025	4	D	Multifunctions cover for TIG Grinder Mobile	59,00

GREY/CERIATED TUNGSTEN ELECTRODE

The WC 20 ceriated electrode is the universal electrode for virtually any application.

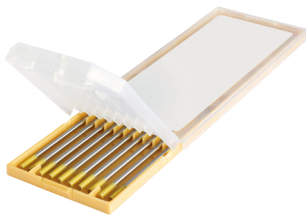
Excellent ignition properties - even when reigniting a warm electrode - with a long service life and high current capacity. Cerium oxide is much less harmful to the environment than thorium oxide and it is not radioactive.



ARTICLE NUMBER	PG	DC		PRICE EUR
42,0411,4012	10C	A	Tungsten electrode WC20/ø1,0x175	2,00
42,0411,4001	10C	A	Tungsten electrode WC20/ø1,6x175	3,30
42,0411,4002	10C	A	Tungsten electrode WC20/ø2,4x175	5,40
42,0411,4003	10C	A	Tungsten electrode WC20/ø3,2x175	9,10
42,0411,4013	10C	A	Tungsten electrode WC20/ø4,0x175	14,90
42,0411,4014	10C	A	Tungsten electrode WC20/ø4,8x175	23,00
42,0411,4015	10C	D	Tungsten electrode WC20/ø6,4x175	52,00

GOLDPLUS/PLUS TUNGSTEN ELECTRODE

The WL lanthanated electrode is a universal electrode for virtually all TIG applications. Lanthanated electrodes outperform ceriated (WC) electrodes in the low current range, and special application areas include plasma and microplasma arc welding.



ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0247	10C	D	Tungsten electrode GP/ø1,0x175	2,45
41,0010,0246	10C	A	Tungsten electrode GP/ø1,6x175	3,50
41,0010,0245	10C	A	Tungsten electrode GP/ø2,4x175	5,70
41,0010,0244	10C	A	Tungsten electrode GP/ø3,2x175	10,20
41,0010,0243	10C	A	Tungsten electrode GP/ø4,0x175	15,80
41,0010,0242	10C	A	Tungsten electrode GP/ø4,8x175	25,00

THORIATED/RED TUNGSTEN ELECTRODE

The thorium content produces excellent ignition properties, long service lives and a high current capacity.

The main application area is the DC welding of high-alloy and stainless steels. Due to the radioactivity of the thorium used for doping, the use of this electrode should be avoided as far as possible.



ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0112	10C	A	Tungsten electrode WT20/ø1,0x175	2,60
41,0010,0113	10C	A	Tungsten electrode WT20/ø1,6x175	3,20
41,0010,0116	10C	D	Tungsten electrode WT20/ø2,4x175	6,20
41,0010,0115	10C	A	Tungsten electrode WT20/ø3,2x175	10,70
41,0010,0114	10C	A	Tungsten electrode WT20/ø4,0x175	18,00
41,0010,0117	10C	D	Tungsten electrode WT20/ø6,4x175	55,00

PURE/GREEN TUNGSTEN ELECTRODE

This is an undoped electrode that consists of pure tungsten. It is used primarily for the AC welding of aluminium alloys with good arc stability. This electrode is not suitable for DC welding.

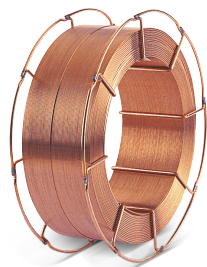


ARTICLE NUMBER	PG	DC		PRICE EUR
42,0411,4008	10C	A	Tungsten electrode WP/ø1,6x175	3,10
42,0411,4005	10C	A	Tungsten electrode WP/ø2,4x175	5,20
42,0411,4006	10C	A	Tungsten electrode WP/ø3,2x175	7,90
42,0411,4007	10C	A	Tungsten electrode WP/ø4,0x175	13,50
42,0411,4009	10C	D	Tungsten electrode WP/ø4,8x175	18,90
42,0411,4021	10C	D	Tungsten electrode WP/ø6,4x175	42,50

UNALLOYED FILLER MATERIALS

Unalloyed filler materials are frequently used in the mechanical, vehicle, boiler, tank, and agricultural engineering sectors. The MAG 65 welding wire has proven itself over many years as a universal filler material in many areas of application. The DMO-IG filler is always a good choice for TIG welding of unalloyed steel.

Works test certificates can be submitted free of charge by stating the batch number.



WIRE ELECTRODE MAG65 (G3SL1)

Unalloyed, copper-plated MIG/MAG solid wire electrode for welding unalloyed standard steel grades up to a yield strength of 420 MPa in all positions. Welding is possible without any preheating and subsequent heat treatment, except for thick-walled components or parent materials with increased carbon content. Suitable for all types of MIG/MAG arc, especially for CMT. The chemical composition is designed for the best mechanical properties with good flow behavior at the same time. The uniform, high chemical purity also enables low-spatter welding even in standard welding processes.

The MAG 65 welding wire corresponds to EN ISO 14341-A (G 46 4 M21 3Si1, G42 2 C1 3Si1).

/ Suitable for unalloyed materials: S235-S355 (Type JR,JO,J2); S275-S420 (Type N, M); L245-L415 (Type NB, MB); P195-P265 (Type GH, N, NH, NL, TR)

/ Approvals: TÜV 19192

/ Shielding gases in accordance with DIN EN ISO 14175: C1 carbon dioxide (CO₂), M21 mixed gases 15-25% CO₂/Rest Argon, M20 mixed gases 5-15% CO₂.

Supplied on a B-300 basket-type spool, net weight 15 kg, (840 kg per pallet).

Prices per kg incl. alloy surcharge.

ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0154	4	A	Welding-wire MAG65/ø0,8mm/15 kg basket-type spool 300	2,56
41,0010,0155	4	A	Welding-wire MAG65/ø1,0mm/15 kg basket-type spool 300	2,39
41,0010,0156	4	A	Welding-wire MAG65/ø1,2mm/15 kg basket-type spool 300	2,29

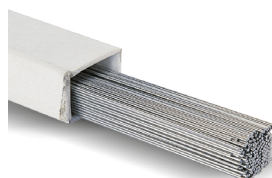


WIRE ELECTRODE MAG 65 (SMALL SPOOL)

The use of small spools offers particular advantages with regard to mobility – for example with the TransSteel 2200.

/ Price per kg incl. alloy surcharge

ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0226	4	A	Steel wire Fronius MAG65 / ø0,8mm / 5kg / D-200 coil	4,05
41,0010,0286	4	D	Steel wire Fronius MAG65 / 0,8mm / 0,9kg / D-100 coil	6,80
41,0010,0287	4	D	Steel wire Fronius MAG65 / 1,0mm / 5kg / D-200 coil	3,78



FILLER RODS BÖHLER DMO

/ TIG copper-plated rod for welding of unalloyed steel in boiler and steel construction.

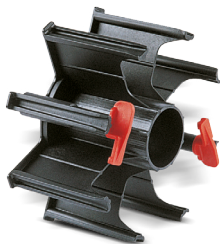
/ Suitable for creep-resistant high-temperature steels of the same type of cast steel, S355J2G3, P235GH, P255NH

/ Approvals: TÜV, DB, ÖBB

/ Supplied in 5 kg containers

/ Price per kg incl. alloy surcharge

ARTICLE NUMBER	PG	DC		PRICE EUR
42,0411,0157	4	B	TIG filler rod DMO-IG 1,6mmx1000mm	15,20
42,0411,0158	4	B	TIG filler rod DMO-IG 2,0mmx1000mm	13,70
42,0411,0159	4	B	TIG filler rod DMO-IG 2,4mmx1000mm	11,50



BASKET-TYPE SPOOL ADAPTER

/ Necessary when using B-300 basket-type spools.

ARTICLE NUMBER	PG	DC		PRICE EUR
44,0550,0060	9	A	Adaptor wire coil	8,60

HIGH-ALLOY FILLER MATERIALS

Especially with high-alloyed steel, it is necessary to select the right filler metal in order not to reduce the properties (stainless, acid resistance, etc.) of the parent material.

Works test certificates can be submitted free of charge by stating the batch number.



MTC WIRE ELECTRODES (CRNI)

Supplied on a 15 kg basket-type spool.

The prices quoted are per kg, without alloy surcharge.

The alloy surcharge is additionally charged monthly with the item number 41,600,001 (You can find the current alloy surcharge in MS SharePoint).

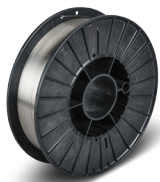
ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0124	4	D	Rustless-wire ER308LSi/ø0,8mm/15kg W-Nr. 1.4316/K-300	9,20
41,0010,0126	4	B	Rustless-wire ER308LSi/ø1,0mm/15kg W-Nr. 1.4316/K-300	8,40
41,0010,0128	4	D	Rustless-wire ER308LSi/ø1,2mm/15kg W-Nr. 1.4316/K-300	8,25
41,0010,0129	4	D	Rustless-wire ER316LSi/ø0,8mm/15kg W-Nr. 1.4430/K-300	9,40
41,0010,0131	4	C	Rustless-wire ER316LSi/ø1,0mm/15kg W-Nr. 1.4430/K-300	9,05
41,0010,0133	4	D	Rustless-wire ER316LSi/ø1,2mm/15kg W-Nr. 1.4430/K-300	9,20
41,0010,0032	4	D	Rustless-wire ER318/ø0,8mm/15kg W-Nr. 1.4576/K-300	10,90
41,0010,0033	4	D	Rustless-wire ER318/ø1,0mm/15kg W-Nr. 1.4576/K-300	10,23
41,0010,0037	4	C	Rustless-wire ER307/ø1,0mm/15kg W-Nr. 1.4370/K-300	8,20
41,0010,0038	4	D	Rustless-wire ER307/ø1,2mm/15kg W-Nr. 1.4370/K-300	8,00

MTC WIRE ELECTRODES (CRNI) (SMALL SPOOL)

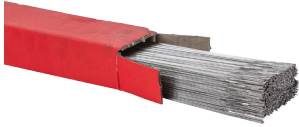
Supplied on a D-200 mandrel-type coil at a weight of 5 kg for particular ease of mobility.

The prices quoted are per kg, without alloy surcharge.

The alloy surcharge is additionally charged monthly with the item number 41,600,001 (You can find the current alloy surcharge in MS SharePoint).



ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0125	4	D	Rustless wire ER308LSi / ø0,8mm / 5kg / W-Nr. 1.4316 / D-200	12,10
41,0010,0127	4	D	Rustless wire ER308LSi / ø1,0mm / 5kg / W-Nr. 1.4316 / D-200	11,20
41,0010,0132	4	D	Rustless wire ER316LSi / ø1,0mm / 5kg / W-Nr. 1.4430 / D-200	12,80



MTC FILLER RODS (CRNI)

Supplied in a 10 kg container.

The prices quoted are per kg, without alloy surcharge.

The alloy surcharge is additionally charged monthly with the item number 41,600,001 (You can find the current alloy surcharge in MS SharePoint).

ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0143	4	C	Stainless steel-rod ER308LSi/ø1,0mm/ W-Nr.1.4316/1000mm/10kg-PK	9,90
41,0010,0134	4	B	Stainless steel-rod ER308LSi/ø1,6mm/ W-Nr.1.4316/1000mm/10kg-PK	8,62
41,0010,0135	4	C	Stainless steel-rod ER308LSi/ø2,0mm/ W-Nr.1.4316/1000mm/10kg-PK	8,54
41,0010,0136	4	D	Stainless steel-rod ER308LSi/ø2,4mm/ W-Nr.1.4316/1000mm/10kg-PK	7,78
41,0010,0144	4	B	Stainless steel-rod ER316LSi/ø1,0mm/ W-Nr.1.4430/1000mm/10kg-PK	10,65
41,0010,0138	4	D	Stainless steel-rod ER316LSi/ø1,6mm/ W-Nr.1.4430/1000mm/10kg-PK	9,40
41,0010,0139	4	D	Stainless steel-rod ER316LSi/ø2,0mm/ W-Nr.1.4430/1000mm/10kg-PK	9,30
41,0010,0140	4	B	Stainless steel-rod ER316LSi/ø2,4mm/ W-Nr.1.4430/1000mm/10kg-PK	8,60
41,0010,0141	4	D	Stainless steel-rod ER316LSi/ø3,2mm/ W-Nr.1.4430/1000mm/10kg-PK	8,90
41,0010,0070	4	D	Stainless steel-rod ER347Si/ø1,6mm/ W-Nr.1.4551/1000mm/10kg-PK	9,30
41,0010,0071	4	D	Stainless steel-rod ER347Si/ø2,0mm/ W-Nr.1.4551/1000mm/10kg-PK	9,60
41,0010,0074	4	C	Stainless steel-rod ER318/ø1,6mm/ W-Nr. 1.4576/1000mm/10kg-Pkg.	10,10
41,0010,0075	4	C	Stainless steel-rod ER318/ø2,0mm/ W-Nr. 1.4576/1000mm/10kg-Pkg.	9,84
41,0010,0076	4	C	Stainless steel-rod ER318/ø2,4mm/ W-Nr. 1.4576/1000mm/10kg-Pkg.	9,10

ALUMINUM FILLER MATERIALS

In principle, all weldable aluminum parent materials can be processed with the following alloys. As similar an alloy type as possible needs to be selected to ensure the correct filler metal for the intended application. Please note that during subsequent anodic treatment, never work with additives containing silicon, as otherwise the weld seams will become dark and discolored.

When welding aluminum materials using the MIG process, special attention must be paid to the surface of the wire electrode. Fronius MIG aluminum wire electrodes are diamond ground and precision wound. If the welding torch is correctly equipped with a plastic inner liner and U-groove feeder rolls, AlMg alloys can be pushed up to a hosepack length of 3.5 m. Push/pull welding torches should be used for all other alloys.

Works test certificates can be submitted free of charge by stating the batch number.



WIRE ELECTRODES (ALUMINUM)

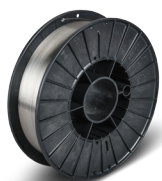
The wire is supplied on a 7 kg basket-type spool.

The prices quoted are per kg, without alloy surcharge.

The alloy surcharge is additionally charged monthly with the item number 41,600,001 (You can find the current alloy surcharge in MS SharePoint).

Further products available on request.

ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0041	4	D	Aluminum-wire Al99,5/ø1,0mm 7kg/basket-type spool	10,90
41,0010,0042	4	D	Aluminum-wire Al99,5/ø1,2mm 7kg/basket-type spool	10,48
41,0010,0049	4	A	Aluminum-wire AlMg5/ø1,0mm 7kg/basket-type spool	10,60
41,0010,0050	4	A	Aluminum-wire AlMg5/ø1,2mm 7kg/basket-type spool	10,46
41,0010,0045	4	D	Aluminum-wire AlSi5/ø1,0mm 7kg/basket-type spool	10,42
41,0010,0046	4	D	Aluminum-wire AlSi5/ø1,2mm 7kg/basket-type spool	9,79



WIRE ELECTRODES (ALUMINUM) (SMALL SPOOL)

The wire is supplied on a 2 kg mandrel-type spool.

The prices quoted are per kg, without alloy surcharge.

The alloy surcharge is additionally charged monthly with the item number 41,600,001 (You can find the current alloy surcharge in MS SharePoint).

ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0288	4	D	Aluminum wire AlMg5 / 1,2mm / 2kg/ D-200 coil	12,70
41,0010,0289	4	D	Aluminum wire AlSi5 / 1,2mm / 2kg / D-200 coil	10,50
41,0010,0265	4	A	Aluminum-wire AlMg5 / ø1,0mm / 2 kg / D-200 coil	13,20



CMT WIRE ELECTRODE (D-300 7KG)

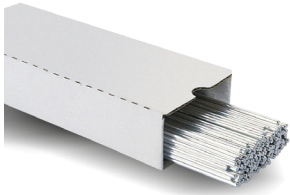
This is a welding wire specially designed for the Fronius CMT process and is also recommended for steel/aluminum joints.

The wire is supplied on a 7 kg spool.

The prices quoted are per kg, incl. alloy surcharge.

Price per kg

ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0269	8	D	Aluminum-wire AlSi3Mn1/ø1,2mm/ 7kg/mandrel-mounting reel	16,80



FILLER RODS (ALUMINUM)

Supplied in a 10 kg container.

The prices quoted are per kg, without alloy surcharge.

The alloy surcharge is additionally charged monthly with the item number 41,600,001 (You can find the current alloy surcharge in MS SharePoint).

Further products available on request.

ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0064	4	D	Aluminum-rod Al99,5/ø2,0mm/1m/ 10kg	9,60
41,0010,0065	4	D	Aluminum-rod Al99,5/ø3,2mm/1m/ 10kg	8,52
41,0010,0066	4	A	Aluminum-rod AlMg5/ø2,0mm/1m/10kg	9,38
41,0010,0067	4	A	Aluminum-rod AlMg5/ø3,2mm/1m/10kg	8,68
41,0010,0068	4	D	Aluminum-rod AlSi5/ø2,0mm/1m/ 10kg	9,10
41,0010,0069	4	A	Aluminum-rod AlSi5/ø3,2mm/1m/ 10kg	8,60

COPPER-ALLOYED FILLER METAL



MIG BRAZING WIRE ELECTRODE (COPPER-BASED)

The wire is supplied on a 15 kg basket-type spool.

The prices quoted are per kg, incl. alloy surcharge.

Other diameters available on request.

ARTICLE NUMBER	PG	DC		PRICE EUR
41,0010,0241	4	A	CU-wire CUSI 3/ø1,0mm/15kg basket-type spool	21,80
41,0010,0252	4	A	CU-wire CUAL8/ø1,0mm/15kg basket-type spool	22,40

MAGICCLEANER



MagicCleaner is the quick and easy electrochemical way to clean CrNi sheets and pipes. Small, compactly built and weighing only 5 kg, the device is ideal for use in the field and in any workshop. It cleans TIG weld-seams quickly and thoroughly using microprocessor-controlled current waveforms. The integral burnishing function lets you polish the surfaces to a lustrous finish after they have been cleaned.

STANDARD EQUIPMENT

Cleaning current is continuously adjustable
Electrolyte feed is continuously adjustable

Adjustable current waveform (AC/DC)
Short-circuit detection and cut-out

Generator-compatible
CE mark

OPTIONS

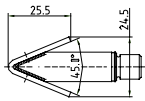
MagicCleaner printing set

Mains voltage 110V - 115V, 50/60Hz

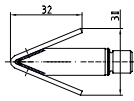
ARTICLE NUMBER	PG	DC		PRICE EUR
MAGICCLEANER STAND ALONE				
4,075,092	3	B	MagicCleaner Stand Alone including cleaning handle with integral electrolyte feed (4m) and accessories compartment which consists of: electrolyte power cleaning (for 1 l electrolyte), mixing tanks, protective goggles, gloves, cleaning cloth, GroundCable	2.326,00
OPTIONS				
43,0004,0459	3	A	Remote control cable 10-pin/5m	120,00
4,045,769	3	C	MagicCleaner electrode cable	225,00
42,0411,8003	3	A	Electrode 40x54° CrNi complete MagicCleaner set	49,90
42,0411,8014	3	A	Cleaning cloth 95x60mm MagicCleaner	3,15
44,0450,0901	5	A	Gloves rubber Large 9-9,5 and ESD suitable	5,90
42,0510,0190	8	A	Protective goggles UV "clear"	11,80
42,0411,8012	3	D	Plastic box for MagicCleaner	1,25
40,0006,0122	3	D	PVC suitcase MagicCleaner	169,00
IF YOU REORDER A LOGO				
42,0411,8024	3	D	Logo dimension 25x45mm MagicCleaner (foil 55x75mm)	41,90
42,0411,8025	3	D	Logo dimension 45x80mm MagicCleaner (foil 75x110mm)	82,00
42,0411,8026	3	D	Logo dimension 70x80mm MagicCleaner (foil 100x110mm)	96,00
42,0411,8027	3	D	Logo dimension 70x135mm MagicCleaner (foil 100x165mm)	142,00
Long term print foils: Please use order from (40,0006,0822).				
IF YOU ORDER A LOGO FOR THE FIRST TIME				
42,0411,8029	3	D	Logo dimension 25x45mm MagicCleaner (foil 55x75mm)	144,00
42,0411,8028	3	D	Logo dimension 45x80mm MagicCleaner (foil 75x110mm)	197,00
42,0411,8030	3	D	Logo dimension 70x80mm MagicCleaner (foil 100x110mm)	227,00
42,0411,8031	3	D	Logo dimension 70x135mm MagicCleaner (foil 100x165mm)	288,00
OPTIONS				
42,0300,7030	3	A	Printing felt 90x50mm	1,10
42,0411,0167	3	D	Marking Electrolyte 500 ml	43,00
42,0411,8023	3	D	Print foil disposable 65x180mm	3,15

ARTICLE NUMBER	PG	DC				PRICE EUR
PRINTSET MAGICCLEANER						
4,100,212	3	D	Printset MagicCleaner			76,00
incl. Electrolyte printing 0,5 l, printing felt, printing foil, disposable, plastic box, spare part box						
OPTIONS BRUSH HEAD						
42,0435,0192	4	A	Brush head 31,7x16,7mm MagicCleaner messing			30,20
42,0001,5602	6	A	Electrode holder ø12x44 CrNi MagicCleaner			11,40
42,0435,0212	4	A	Brush attachment round ø21x45mm Magic Cleaner			40,40
44,0450,1031	4	D	Carbon brush			43,90
42,0001,6661	6	D	Electrode holder ø12x92 CrNi			16,30
42,0100,1527	6	D	Cover disk carbon brush			23,90
42,0100,1528	6	D	Guiding sleeve carbon brush			31,60
Please use in your initial order of the brush attachment (42,0430,0192 or 42,0435,0212) the electrode-holder (42,0001,5602 or 42,0001,6661).						
Please use in your initial order of the carbon brush (44,0450,1031) the electrode-holder (42,0001,6661), the guiding sleeve (42,0100,1528) and the cover disk (42,0100,1527).						
OPTIONS						
4,075,092,361	3	D	MagicCleaner STA 100-115/230V without mains plug 50/60 Hz			2.363,00
4,045,818	3	A	MagicCleaner hose pack 4m			293,00
43,0004,0533	8	A	GroundCable 16mm ² 3m 200A 60% plug 35mm ² earth clamp			23,90
44,0001,1176	3	A	Electrode 40x54° CrNi complete MagicCleaner			49,90
44,0450,1019	3	A	Electrode 40x54° CrNi MagicCleaner			38,50
44,0001,1313	3	A	Electrode 40x60° coal complete MagicCleaner			274,00
44,0450,1040	3	A	Electrode 40x30° CrNi MagicCleaner			47,50
42,0411,8040	4	A	Electrode 40x60° coal MagicCleaner			94,00
42,0411,8014	3	A	Cleaning cloth 95x60mm MagicCleaner			3,15
42,0411,8007	3	A	Cleaning cloth 115x60mm with rubber MagicCleaner			3,60
42,0411,8013	3	A	Cleaning cloth 1000x1000mm Magic Cleaner per m ²	1	m2	85,00
42,0411,8041	3	A	Electrolyte powder cleaning for 1l	1	lt	12,99
42,0411,8047	3	D	Mixing tank electrolyte			26,55
42,0411,8003	3	A	Electrode 40x54° CrNi complete MagicCleaner set			49,90
42,0411,8052	3	A	Electrolyt cleaning red 3,0l MagicCleaner			69,00
42,0411,8015	3	A	Electrolyte cleaning red 1 l			33,50
42,0411,8018	3	A	Electrolyte polish blue 1 l			36,65
42,0411,8066	3	A	Cleaning electrolyte 1L Label:En,Ch,Pb,R,Sl,Cr,R,H,Kr			33,50
42,0411,8065	3	A	Electrolyte polish blue 1.0l EN,ZH,PT,RU,SK,CS,RO,HU,HR			36,65
Attention: for air freights only 1l bottles are accepted.						

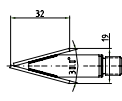
SPECIAL ELECTRODES MAGICCLEANER



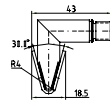
Pos. 1



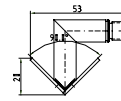
Pos. 2



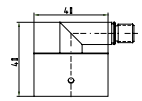
Pos. 3



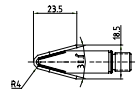
Pos. 4



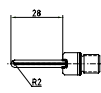
Pos. 5



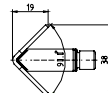
Pos. 6



Pos. 7



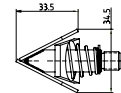
Pos. 8



Pos. 9



Pos. 10



Pos. 11

			RECOMMENDED CLEANING CLOTH	PRICE EURO
S-Electrode 20x45° narrow (z0013188)	Pos 1	42,0411,8007		158
S-Electrode 30x30° narrow (z0014678)	Pos 3	42,0411,8007		158
S-Electrode 40x30° angled (z0013189)	Pos 4	42,0411,8007		158
S-Electrode 40x90° angled (z0013446)	Pos 5	42,0411,8007		158
S-Electrode 40x30° angled and turned (z0022266)	Pos 6	42,0411,8007		158
S-Electrode 40x30° round (z0013190)	Pos 7	42,0411,8007		158
S-Electrode 40x90° round (z0013192)	Pos 9	42,0411,8007		158
S-Electrode 40xR30 round (z0013193)	Pos 10	42,0411,8014		158

	ARTICLE NUMBER	PG	DC		PRICE EUR
SPECIAL ELECTRODES 2, 8, 11					
2	44,0450,1924	3	A	S-electrode 25x45 narrow MagicCleaner	158,00
8	44,0450,1923	3	A	S-electrode 45x4 flat MagicCleaner	114,00
11	44,0450,1922	3	D	S-electrode 50x54 bevel MagicCleaner	155,00

PG 3 - please order with the dummy number 41,400,000 as a project. (except Pos. 2, 8, 11)



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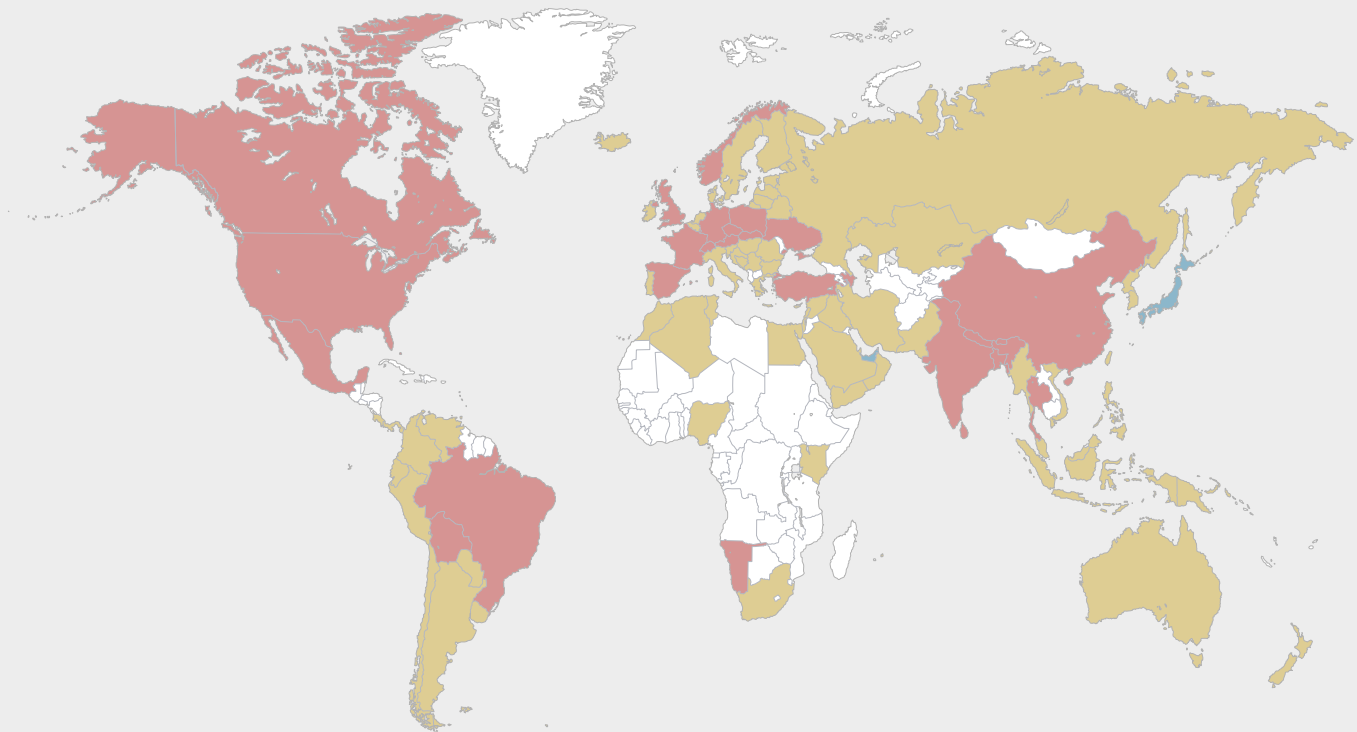
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