

70010

Quick-action soldering gun Multi-Sprint



Type 960 ED

Design

Very light, transformerless quick-action soldering gun with internally heated ERSADUR continuous soldering tip type 0832 EDLF, chisel-shaped, 3.2 mm. Extremely short heat-up and cool-down times.

Applications

Service and repair.

Note:

For replacement soldering tips, see art. no. 70053 et seq.



70010

Type	Output approx. watt	Voltage V	Heat-up time approx. sec.	Heat output up to watt	Weight approx. g	70010	...
960 ED	75	230	15	150	100		101

70021 - 70025

Fine electrical soldering iron



70021

Design

Universal soldering iron. Connecting cable 1.5 m. Replaceable heater.

Applications

16 watt: slim pencil soldering iron for modern electronics (miniaturised circuits, etc.).
30 and 40 watt: With attachable support disc. For radio and television technology, electronics.



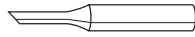
70021 101



70021 102-103

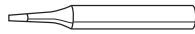
Soldering tip shapes:

LD, angled tip,



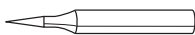
70025 101

KD, chisel-shaped,



70025 102

BD, pencil-shaped.



70025 104

KD, chisel-shaped, straight,



70025 105

BD, pencil-shaped tip.



70025 108

16 Watt – series 0162 – internally heated

30 and 40 watt – series 0032 – externally heated

							Fine soldering iron		70021	...
Type	Output approx. watt	Voltage V	Heat-up time approx. sec.	Soldering tip temperature approx. °C	Soldering tip Ø mm	Weight without cable g				
260 BD	16	230	60	350	6	40			101	
330 KD	30	230	120	380	5	80			102	
340 KD	40	230	120	420	5	80			103	

					Replacement soldering tips		70025	...
Type	Series	Output approx. watt	Ø mm					
LD	0162	16	3.6				101	
KD	0162	16	2.6				102	
BD	0162	16	1.1				104	
KD	0032	30/40	3.1				105	
BD	0032	30/40	1.1				108	

70027

Stand for fine soldering iron

Design

Metal with 2 spiral-shaped funnels.

Applications

For small and medium-sized soldering irons.

Note:

For soldering iron art. no. 70021-70042.



70027

Type	70027	...
A 05		102



70032 Gas soldering iron sets INDEPENDENT



Design

Soldering iron with piezo ignition, infinitely variable output, operated with commercially available butane lighter gas.

Applications

The ergonomic gas soldering iron enables mains-independent soldering.

70032 101

Set contents 70032 101	
1	gas soldering iron INDEPENDENT 75 type G 070 KN with
1	soldering tip 2.4 mm chisel-shaped type G 072 KN,
1	soldering tip 1.0 mm chisel-shaped type G 072 CN,
1	storage bracket type A 20,
1	cleaning sponge type 006 G,
1	sponge holder type G 156.

Set contents 70032 102	
1	gas soldering iron INDEPENDENT 130 type G 130 KN with
1	soldering tip 2.4 mm chisel-shaped type G 132 KN,
1	soldering tip 1.0 mm chisel-shaped type G 132 CN,
1	cleaning sponge type 006 G,
1	sponge holder type G 156.

Set contents 70032 202	
1	gas soldering iron INDEPENDENT 130 type G 130 KN with
1	soldering tip 2.4 mm chisel-shaped type G 132 KN,
1	soldering tip 1.0 mm chisel-shaped type G 132 CN,
1	soldering tip 3.2 mm chisel-shaped type G 132 AN,
1	soldering tip 4.8 mm chisel-shaped type G 132 VN,
1	flame nozzle type G 132 BE,
1	hot gas nozzle type G 132 HE,
1	hot knife type G 132 MN,
1	reflector plate G 132 RE for hot gas nozzle G 132 HE for shrinking heat-shrink tubing,
1	cleaning sponge type 006 G,
1	sponge holder type G 156.



70032 102



70032 202



Set	Output watt	Heat-up time to approx. 280°C approx. sec.	Max. soldering tip temperature approx. °C	Length approx. mm	Design	Weight approx. g	70032	...
75 Basic	15-75	46	580	175	In plastic case	73	101	
130 Basic	25-130	50	580	215	In plastic case	121	102	
130 Profi	25-130	50	580	215	In plastic case	121	202	

70033 Gas cartridge for gas soldering iron sets INDEPENDENT



Design

Butane lighter gas.

Applications

For gas soldering iron sets INDEPENDENT, art. no. 70032.

70033

Type	Contents ml	70033	...
G 808 K	100	201	



70036 - 70037 Fine electrical soldering iron



70036 101

Ersa 15+ soldering iron

Design

- Electrical
- Includes 1 soldering tip, straight, chisel-shaped 2.2 mm

70036 102

Ersa 25+ soldering iron

Design

- Ideal tool for cost-effective soldering
- Internally heated soldering tips guarantee high efficiency
- This difference in technology increases the efficiency of the entire soldering iron by 20%
- The ergonomic handle geometry supports the safe execution of fine soldering work
- Includes 1 soldering tip, straight, chisel-shaped 2.2 mm

70036 103

Ersa 35+ universal soldering iron

Design

- Ideal for soldering tasks with increased power consumption
- The larger, internally heated soldering tips ensure excellent, highly efficient heat transfer
- This difference in technology increases the efficiency of the entire soldering iron by 20%
- The ergonomic handle ensures a secure grip for all soldering work
- Includes 1 soldering tip, straight, chisel-shaped 2.2 mm

70037 101

Replacement soldering tip for ERSA 15.

70037 102

Replacement soldering tip for ERSA 25.

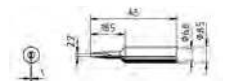
70037 103

Replacement soldering tip for ERSA 35.

70036 101



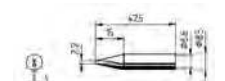
70037 101



70036 102



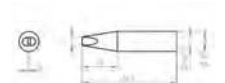
70037 102



70036 103



70037 103



Type	Output approx. watt	Voltage V	Heat-up time approx. sec.	Soldering tip temperature approx. °C	Fine soldering iron		Replacement soldering tip	
					70036	...	70037	...
15 CD	15	230	180	400		101		101
25 CD	25	230	180	450		102		102
35 VD	35	230	180	450		103		103



Workshop equipment

70044 - 70046

Magnastat electrical soldering irons



Weller®

70044

Mains voltage soldering iron

Design

With straight standard soldering tip. Constant temperature thanks to automatic control and high heat reserve.

70044 101

Magnastat soldering iron

Type W 61, 60 W.

70044 102

Magnastat soldering iron

Type W 101, 100 W.

70046 126-134

Longlife soldering tips.



70044 101



70044 102

				Soldering iron	
Type	Output approx. watt	Voltage V	Temperature approx. °C	70044	...
W 61	15 - 80	230	370		101
W 101	50 - 150	230	370		102



70046 126-134

					Accessories	
Type	For model	Soldering tip shape	Width mm	Shank Ø mm	70046	...
Soldering tip	W 61	Straight	1.6	6.1		126
Soldering tip	W 61	Straight	2.4	6.1		127
Soldering tip	W 101	Straight	5.0	9.2		134

70047 - 70051

Soldering stations

Weller®

70047 101

Magnastat

Design

WTCP51, consisting of: isolating transformer (class II) 230 x 24 V, soldering iron with automatic temperature control, soldering iron holder. The soldering iron has a 3-wire connection line. The third wire is routed directly to the equipotential bonding socket via the plug.

Applications

For soldering work in production and the laboratory.

70047 102

Temtronic

Design

WS81, consisting of: Supply unit 230 V, soldering iron 24 V, 80 W, with soldering iron stand. Anti-static housing. All Temtronic tools up to 80 W can be connected. With electrical, continuously variable temperature control 150°C to 450°C. Control tolerance +/- 2%. Visual control electronics via LED, equipotential bonding.

Applications

Particularly suitable for soldering SMD components and lead-free soldering.

70047 203

Design

The Weller WT 1013 soldering station has excellent functionality and flexibility. It is stackable for more space at the workplace. Its detailed LCD enables an unprecedented overview of all functions and is quick and easy to access via the new user-friendly menu button. Thanks to the usage sensor in the iron's handle, the soldering station automatically switches to standby mode.

- Single-channel supply unit with 90 watts
- Excellent functionality and flexibility
- Housing cover can be used for additional storage

- LCD backlight
- Stackable for minimal space requirements
- Increases service life of tips
- Compatible with a wide variety of soldering tools
- Perfect for individual soldering applications
- Maximum temperature accuracy
- Intuitive operation thanks to clear menu navigation
- Automatic switch-off possible
- Front power button on WT 1
- Cost-effective soldering tips available
- WP 80 with light, slim design
- Includes 2-in-1 safety rest
- ESD-safe



70047 101



70047 102



NEW

70047 203



70049 101



Flat design

Long design

Soldering station		Soldering iron		E-heater		Replacement soldering tip	
Type	70047	...	70048	...	70049	...	70051
WTCP51		101					
WS81		102					
WT1013		203					
TCP-S			101		101		
WSP80			202		202		
LT M 3.2							101
LT B 2.4							102

Workshop equipment



70050 Electrical soldering station RDS 80



Design

Processor-controlled soldering station with direct selection of 3 programmable temperatures, standby and auto power off function as well as a large LCD. The powerful PTC heating element of soldering iron RT 80 (heat output up to 290 F) guarantees that the set temperature is reached quickly with suitable reserve capacity.

Scope of delivery:

Electrical station with soldering iron RT 80, 80 W and stand A 39.



Note:

For replacement soldering tips, 832 series, see art. no. 70053.

Type	Output Watt	Voltage Volt	Temperature range °C	70050	...
RDS 80	80	230/24	150-450		101

70052 - 70053 Electrical soldering stations



Note:

For replacement soldering tips, 832 series, see art. no. 70053.

70052 102

Design

Completely anti-static in accordance with MILSPEC/ESA standard.

70052 101

Design

Accurate temperature control due to ERSADUR RESISTRONIC (via PTC heating element). Equipotential bonding socket. Internally heated ERSADUR continuous soldering tip with innovative torsion guard. The soldering station can be calibrated. The stand also serves as a tip holder.

VDE/GS-approved.

Applications

For industrial use.

70053

Replacement soldering tips, 832 LF series.

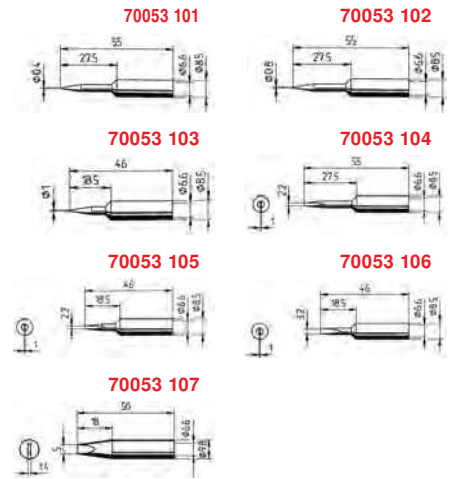
For art. no. 70042, 70050, 70052 and 70054.

For lead-free soldering with a service life up to 3 times longer than previous ERSADUR soldering tips.



Type	Output watt	Primary voltage V	Secondary voltage V	Voltage Hz	Temperature range °C	Soldering station 70052	...
Analogue 60	60	230	24	50/60	150-450		101
Analogue 60 A	60	230	24	50/60	150-450		102

Shape	Dimensions mm	Soldering tips 70053	...
UD LF, pencil-shaped tip, extended	∅ 0.4		101
SD LF, pencil-shaped tip, extended	∅ 0.8		102
BD LF, pencil-shaped tip	∅ 1.0		103
KD LF, chisel-shaped, extended	2.2		104
CD LF, chisel-shaped	2.2		105
ED LF, chisel-shaped	3.2		106
VD LF, chisel-shaped	5.0		107



70054 Electrical soldering iron

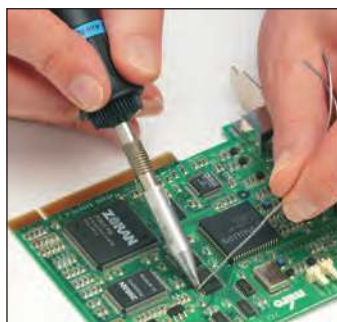


Design

Powerful, temperature-controlled soldering iron with sensitive temperature sensor positioned directly under the internally heated soldering tip. Quick heat-up characteristics, heat-resistant connecting cable, infinitely variable temperature range.

Note:

Replacement soldering tips, 832/842 series, see art. no. 70053.



Type	Output watt	Voltage V	Heat-up time (to 280°C) approx. s	Temperature range °C	Weight g	70054	...
760 CD	75	230	34	250 - 450	60		101



Workshop equipment

70058 - 70059

Electrical soldering iron



kurtz ersa

70058

Soldering iron

Design

With continuous soldering tips.

Applications

Ideal for fast soldering on wires with small to medium-sized cross sections.

Replacement soldering tips		
Type/watts	70059	...
JD/50		301
JD/150		309

JD type



70059 301-309



70058 101



70058 102



70058 103

Output approx. watt	Voltage V	Heat-up time approx. min.	Soldering tip temperature approx. °C	Soldering tip Ø mm	Weight approx. g	Soldering iron	
						70058	...
50	230	3	400	5.0	160		101
80	230	3	410	7.8	220		102
150	230	3	450	9.8	245		103

70060

Electrical hammer-shape soldering iron



kurtz ersa

Design

With scale-free soldering tips.

Applications

Ideal for internal soldering in container and car body construction, as well as radiator repair and plumbing work.



70060 203-204



70060 205

Type	Output approx. watt	Voltage V	Heat-up time approx. min.	Soldering temperatures approx. °C	Soldering tip Ø mm	Weight approx. g	70060	...
200 MZ	200	230	5	470	18	550		203
300 MZ	300	230	5	470	25	870		204
550 MZ	550	230	7	600	35	1770		205

70088 - 70090

Desoldering device



kurtz ersa

70088

Design

Plastic housing, anti-static with suction volume.

Applications

The anti-static properties of the device make it suitable for use with highly sensitive components. The double sealing ring system guarantees a constant suction power.

70090

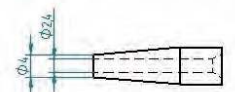
Replacement desoldering tip

Pack = 2 units.

70088



70090



Type	Suction volume cm³	70088	...	70090	...
VACX	11.3		101		
Desoldering tip VACX2	-				101

70198

Butane gas soldering torch Laser 2

70198 201

Design

With high-performance torch. Basic body made of plastic. Without cartridge.

Applications

For all soft soldering and heat applications.

70198 208

Cartridge

Design

With 190-g butane gas.

Applications

Also suitable for virtually all standard cartridge soldering torches and camping equipment. Please note the instructions of the respective manufacturer.

70198 201



70198 208



	Flame temperature approx. °C	Working temperature approx. °C	70198	...
Basic unit	1,700	650	201	
Cartridge	-	-	208	

70215

Propane soldering equipment set

Applications

For hard and soft soldering work, burning off paint, bending and sealing, for connection to butane and propane gas.

70215



Set contents				
1	propane gas handle	with eco-valve,		
1	turbo jet torch	19 mm,		
1	1.5 m high-pressure hose line	G 3/8 inch left-hand x G 3/8 inch left-hand,		
1	low-pressure regulator	without manometer.		

Set contents	70215	...
4 pieces	501	

70218

High-performance propane gas torch set

Applications

Universal use for heating, burning off, defrosting, welding, for roof insulation, etc.

70218



Set contents				
1	handle	with eco-valve and internally regulating pilot flame adjustment,		
1	connection pipe	600 mm,		
1	stainless steel high-performance burner	Ø 60 mm,		
1	torch support,			
1	low-pressure regulator,			
1	5-m mounted hose line,	capacity 6 kg/h,		
		Inlet: combination connection, hose safeguard, 6.3 x 5 G 3/8 I x G 3/8 I		

Set contents	70218	...
8 parts	101	

70220 - 70222

Small propane cylinder

70220

Cylinder with valve

Design

- Lightweight
- Small cylinder valve with overpressure safeguard and sealing cap
- Hanging hook and base
- Self-filling from supply cylinders via syphon connecting piece
- Small cylinder valve outlet G 3/8 inch left-hand
- Approved under 82D168B

70222

Syphon connecting piece for self-filling

Design

- Connection W 21.8 x 1/14 inch left-hand
- With profile nut
- Guide pin

Applications

For cylinders of 5 and 11 kg.

70220

70222



	For filling volume g	70220	...	70222	...
Propane cylinder	425	101			
Syphon connecting piece	-			101	

70225

Propane gas regulator

Design

- Compact design, for all soft and hard soldering work and for soldering guns
- Solid brass
- Connections in accordance with DIN 477

Note:

For propane hoses, see art. no. 70228.

70225 202

70225 204



Input	Cylinder contents	Throughput capacity kg/h	Gas pressure to bar	Outlet inch	70225	...
Hex nut G 3/8 inch left-hand with cone	425 g	4	1.5	G 3/8 left-hand		202
Profile nut W 21.8 x 1/14 inch left-hand with guide pin	5-11 kg	4	1.5	G 3/8 left-hand		204

70228

Propane gas high-pressure hoses DIN 4815

Design

With fabric insert, completely reinforced with hose connections, DVGW-tested.

70228



Hose length m	Inner Ø x wall	Pressure class	Hose connection	Colour	70228	...
5	4 x 4	30	G 3/8 left-hand, both sides	Orange		204

70400

Heat protection mat

Design

With aluminium insert, asbestos-free.

70400



Size mm	Heat-resistant to °C	70400	...
330 x 500	700		101

70360

Ammonium chloride soldering stone

Applications

For cleaning soldering tips.

70360



Size approx. mm	Weight approx. g	70360	...
65 x 40 x 45	165		101

70365

Soldering fluid

Design

DIN EN 29454-1, type 3.1.1. A (DIN 8511, F-SW 12).

Applications

For soft soldering of iron, steel, copper, brass, lead and tin plate. Thoroughly rinse off flux residues with warm water.

70365



Content l	70365	...
0.5		102

70395

Soldering fluid brush

Design

With sheet metal handle and natural bristles.

70395



Total length mm	Cover width mm	70395	...
120	10		201

70325

Tin solder DIN EN 29453

Design

Price per kg.

70325



Tin content %	Rods pcs.	Weight approx. g	70325	...
40	4	250		101

70303 - 70306 Soldering wires (lead-free)

70303

Design

DIN EN ISO 9453, S-Sn99Cu1 (Sn99.3Cu0.7 - eutectic), lead-free special alloy, silver-free, 2.5% flux content in accordance with DIN EN 29454, 1.1.2.B (EN 61190 - ROM1).

Applications

Standard soldering wire for fine soldering in electronics, electrical engineering, telecommunications engineering and electric motor manufacturing.

70304

Design

DIN EN ISO 9453, S-Sn99Cu1 (Sn99.3Cu0.7 - eutectic), lead-free special alloy, silver-free, 3.5 % flux content in accordance with DIN EN 29454, 1.1.3.B (EN 61190 - ROL0).

Applications

Soft soldering wire for the most demanding applications in electronics and electrical engineering.

70305

Design

DIN EN ISO 9453 S-Sn95Ag4Cu (SN95.5Ag3.8Cu0.7), lead-free special alloy, 2.5% flux content in accordance with DIN EN 29454, 1.1.2.B (EN 61190 - ROM1).

Applications

Standard soldering wire for fine soldering in electronics, electrical engineering, telecommunications engineering and electric motor manufacturing.

70306

Design

DIN EN ISO 9453 S-Sn95Ag4Cu (SN95.5Ag3.8Cu0.7), lead-free special alloy, 3.5 % flux content in accordance with DIN EN 29454, 1.1.3.B (EN 61190 - ROL0).

Applications

Soft soldering wire for the most demanding applications in electronics and electrical engineering.



Wire Ø mm	Weight g	70303	...	70304	...	70305	...	70306	...
0.50	250					097			
0.75	250					099			
0.75	500					100			
1.00	250	101		101		101		101	
1.50	250	103		103		103		103	
2.00	250	105		105		105		105	

70310 - 70311 Soldering wires

70310

Design

S-Pb60Sn 40 (tin content 40%), S-Sn60Pb 40 (tin content 60%) DIN EN ISO 29453, flux DIN EN 29454, 1.1.2.B, flux content 2.5%.

Applications

For fine soldering in electronics, electrical engineering and telecommunications engineering.

70311

Design

S-Sn60Pb 40 (tin content ISO 60%), DIN EN ISO 29453, flux DIN EN 29454, 1.1.3.B, flux content 3.5%.

Applications

In electronics and electrical engineering.



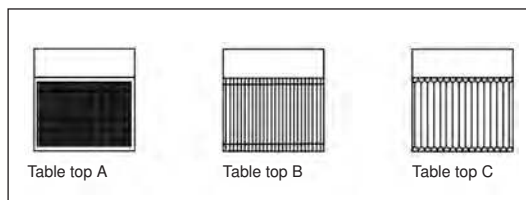
Wire Ø mm	Weight g	Tin content %	70310	...	Wire Ø mm	Weight g	Tin content %	70311	...
2.00	100	40	103		0.50	250	60	197	
2.00	250	40	107		0.75	250	60	199	
2.00	250	60	108		1.00	100	60	201	
2.00	1000	40	113		1.00	250	60	205	
2.00	1000	60	114		1.00	1000	60	211	
3.00	250	40	109		1.50	100	60	202	
3.00	250	60	110		1.50	250	60	206	
3.00	1000	60	115		2.00	100	60	204	

Info

HHW provides accessories for all areas of welding technology

Welding fume extraction systems for clean air at the workplace as well as dust extraction devices

- Extraction and filtering out of welding gases that occur during welding work in metalworking companies
- Extraction and filtering out of fumes that form when processing plastics
- Extraction and filtering out of vapours (not water vapour) that occur during casting



Welding tables

Deliverable with different table top types, e.g.

- **Table top A:** 4-mm perforated sheet steel
- **Table top B:** Upright grate bar grid
- **Table top C:** Exchangeable, cast-iron grate bars or
- With round, rotating table top

As additional accessories, tables are available with integrated radial fan, integrated motor and integrated changeover device for either downwards extraction through the tabletop or upwards extraction through the pivoting and height-adjustable suction funnel. Special equipment, e.g. accessories such as slag boxes, glare protection, throttle valves, engine protection switches, etc. is also available.





Design

- All devices are built in modern inverter technology
- Ideal for assembly work (on a ladder, on scaffolding, etc.) and generally for outdoor work thanks to degree of protection IP 23
- Suitable for use on generators, e.g. in operating workshops, harbours, chemical plants, schools, metal construction, on construction sites, ships or for farmers
- Sealed board ensures protection against moisture, salt spray and corrosion. Therefore also suitable offshore
- Hot start: By automatically increasing the welding current temporarily, the arc ignites safely and is instantly stable
- Anti-stick: If the electrode accidentally sticks, the welding current is automatically reduced, thus preventing the electrode from annealing
- Arc force control: Internal monitoring of the welding current and voltage eliminates short circuits quickly and safely. This stabilises the arc and allows the electrode to be easily processed
- Higher duty cycle than with EASY-STICK series devices

92499 102-103

CRAFT Stick 161 P +201 P promotional sets

Design

- Devices equipped with PFC (Power Factor Correction), VRD (voltage reduction in idling mode)
- TIG DC function = enables easy TIG welding with contact ignition
- Precise setting of the welding parameters via digital display
- Universal use for welding all common electrode types
- The quiet fans dissipate the heat effectively out of the devices to achieve a long duty cycle
- Consistent melt flow is achieved by constant welding current
- This allows small and light electrode devices to be manufactured
- At least 30% duty cycle for all devices

92499 101

Scope of delivery:

- 2 m welding cable 16 mm² with electrode holder
- 2 m earthing cable 16 mm² with earthing terminal 200 A

92499 102-103

Scope of delivery:

- 1 x Craft Stick 161p or 201P, including 3 m welding cable 16 mm² with 300 A
- 3 m earthing cable 16 mm² with earthing terminal 300 A
- Transport case

NEW

92499 101



92499 102



92499 103



Technical data		CRAFT-STICK 141 Art. no. 92499 101	CRAFT-STICK 161P Art. no. 92499 102	CRAFT-STICK 201P Art. no. 92499 103
Dimensions and weight				
L x W x H	mm	320 x 135 x 255	365 x 150 x 28	365 x 150 x 28
Weight (net) approx.	kg	4.6	6.6	6.6
Welded electrodes	mm	1.6 - 3.2	1.6 - 4.0	1.6 - 4.0
Sheet thickness	mm	1.0 - 6.0	1.0 - 7.0	1.0 - 8.0
Working temperature	°C	-10 - 40	-	-10 - 40
Mains				
Supply voltage	V	160 - 275	230	230
Phase(s)	Ph	1	1	1
Current type		AC	AC	AC
Mains frequency	Hz	50/60	50/60	50/60
Current consumption		34 A	MMA 22/ TIG 15	MMA 31/TIG 22
Total output	kVA	7.8	5/3.5	7/4.8
Required generator power	kVA	>7.8	>5.0	>7.0
Power plug	A	16	16	16
Open circuit voltage	V	60	14.5	14.5
Power consumption, electrode	kVA	4.5	5	7
Power consumption, TIG DC	kVA	-	3.5	4.8
Setting range				
Electrode	A	10 - 140	10 - 160	10 - 200
TIG DC	A	-	10 - 160	10 - 200
Duty cycle				
Duty cycle at max. current 40 °C TIG DC	%	-	30	30
Duty cycle at max. current 40 °C electrode	%	30	30	30
Current at 100% duty cycle 40 °C TIG DC	A	-	90	110
Current at 100% duty cycle 40 °C electrode	A	80	90	110
Standards and certifications				
Standard		EN 60974-1/EN 60974-10	EN 60974-1/EN 60974-10	EN 60974-1/EN 60974-10
Degree of protection		IP 23	IP 23	IP 23
Insulation class		H	H	H
EMC class		A	A	A
Marking		CE	CE	CE

Type	92499	...
CRAFT-STICK 141		101
CRAFT-STICK 161P		102
CRAFT-STICK 201P		103

92501

TIG DC and AC/DC inverter CRAFT-TIG



92501 101+102

CRAFT-TIG 201 DC and AC/DC P PULSE set

Design

- All devices are built in modern inverter technology
- Ideal for assembly work (on a ladder, on scaffolding, etc.) and generally for outdoor work thanks to degree of protection IP 23
- Universal use for welding all common electrode types
- TIG pulses enable welding with reduced heat input
- HF high-frequency ignition ignites during TIG welding without touching the workpiece
- The quiet fan dissipates the heat effectively out of the devices, achieving a long duty cycle
- Sealed board ensures protection against moisture, salt spray and corrosion
- Therefore also suitable offshore
- Precise setting of welding parameters via digital display with job memory
- Device equipped with PFC (Power Factor Correction), enables optimal use even on cable drums

Applications

For workshop and mobile use.

Scope of delivery:

- Gas hose 4 m, including quick-action connector
- TIG torch 26 4 m
- Pressure reducer
- VarioProtect XXL W welding helmet

92501 101

CRAFT-TIG 201 DC P PULSE set

Scope of delivery:

- 3 m earthing cable 16 mm² with earthing terminal
- 3 m welding cable 16 mm² with electrode holder

92501 102

CRAFT-TIG 201 AC/DC P PULSE set

Scope of delivery:

- 3 m earthing cable 25 mm² with earthing terminal



92501 101



92501 102



Technical data		Art. no. 92501 101 CRAFT-TIG 201 DC P	Art. no. 92501 102 CRAFT-TIG 201 AC/DC P
Dimensions and weight			
L x W x H	mm	500 x 150 x 280	580 x 190 x 350
Weight approx.	kg	9	15
Sheet thickness	mm	1.0 - 8.0	1.0 - 8.0
Mains			
Supply voltage	V	90 - 275	90 - 275
Phase(s)	Ph	1	1
Current type		AC	AC
Pulse frequency	Hz	0.5 - 200	0.5 - 200
Total output	kVA	6.9/4.7	7.0/4.8
Open circuit voltage	V	66	67
Power consumption electrode	kVA	6.9	7
Power consumption TIG	kVA	4.7	4.8
Power factor	cos phi	0.999	0.995
Setting range			
Electrode	A	5 - 200	5 - 200
TIG	A	5 - 200	5 - 200
Duty cycle			
Duty cycle at max. current 40°C electrode	%	30	35
Current at 100% duty cycle 40°C TIG	A	145	155
Current at 100% duty cycle 40°C electrode	A	135	110
Miscellaneous			
Ignition		High-frequency	High-frequency
Torch cooling		Air	Water
Standards and certifications			
Standard		EN 60974-1/EN 60974-10	EN 60974-1/EN 60974-10
Degree of protection		IP 23	IP 23

Type	92501	...
CRAFT-TIG 201 DC P PULSE set		101
CRAFT-TIG 201 AC/DC P PULSE set		102

Workshop equipment



Design

- Cost-effective inert gas welding devices for DIY enthusiasts and semi-professionals
- For steel and stainless steel welding
- Easy operation and adjustment
- The soft and stable arc guarantees low-spatter welding results
- Infinitely adjustable wire feed
- Robust chassis with steering rollers for easy transport
- Chassis for self-assembly
- Practical gas bottle holder
- S sign: Approved for welding on narrow welding stations with increased electrical hazard
- With 4-roll wire feed
- With current and voltage indicator

Basic materials:

- Structural steels
- Ferritic/austenitic Cr-Ni steels
- Duplex steels

Applications

In bodywork, repairs, agriculture and tack welding.

Scope of delivery:

- Basket coil adapter
- Torch set SMB 25: Torch 4 m, earthing cable 2m, pressure reducer

NEW

92502



Technical data		Art. no. 92502 101 EASY-MAG 253-4	Art. no. 92502 102 EASY-MAG 303-4
Dimensions and weight			
L x W x H	mm	823 x 510 x 735	823 x 510 x 735
Weight approx.	kg	69	90
Sheet thickness (MAG)	mm	1.0 - 10	1.0 - 10
Sheet thickness (MIG)	mm	1.0 - 8	1.0 - 8
Mains			
Mains connection	V	3 x 400	3 x 400
Mains frequency	Hz	50/60	50/60
Power factor	cos phi	0.8	0.8
Effective power consumption	kVA	5.3	6.6
Required generator power	kVA	8	10
Open circuit voltage	V	16 - 32	16 - 35
Fuse (time-lag)	A	16	16
Setting range			
Setting range	A	30 - 250	30 - 300
Duty cycle at I _{max} 40 °C	%	35	
Welding current at 100% duty cycle	A	140	160
Switching stages		10	10
Feed and wire			
Wire Ø	mm	0.8 - 1.0	0.8 - 1.2
Wire feed		4 rolls	4 rolls
Wire feed speed	m/min	1 - 20	1 - 20
Cooling			
Cooling type		AF	AF
Torch cooling		Gas	Gas
Standards and certifications			
Standard		EN 60974-1; -10	EN 60974-1; -10
Degree of protection		IP 23	IP 23
Insulation class		H	H
EMC class		A	A

Type	92502	...
EASY-MAG 253-4 with SMB 25/4m		101
EASY-MAG 303-4 with SMB 25/4m		102

70730 - 70735

Welding wire for MIG/MAG inert gas welding devices

Design

Welding wire as wire electrode on basket coil.

70730

Copper-plated, SG 2.

Applications

For unalloyed and low-alloy steels.

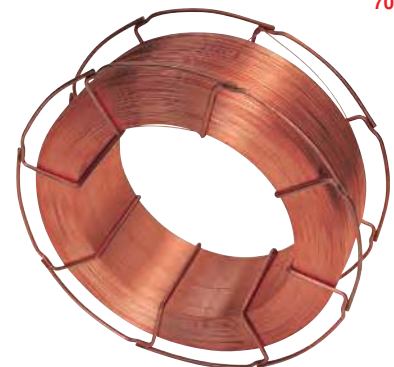
70735

Material no. 1.4316/308 L
(stainless steel welding wire, V2A).

Applications

For stainless steels A2.

70730



Ø mm	Weight kg	Design	Unalloyed steels		V2A	
			70730	...	70735	...
0.8	15	On wire drum		201		201
1.0	15	On wire drum		202		202

92503 - 92504 TIG electrode welding inverter and MobilePower 1

LORCH

92503 101 + 92504 101
MicorStick 160 BasicPlus
MicorStick 160 Accu-Ready
Design

- Lightweight, robust and guaranteed to withstand drops from up to a height of 80 cm thanks to special crash protection
- Compact: The low weight and compact design enables flexible operation even in confined spaces
- Versatile: Ideal for welding with basic, rutile and special electrodes. In addition, it also offers a long duty cycle, high power reserves and, with ContacTIG, the option of TIG welding
- The automatic adaptive hot start ensures perfect ignition
- Anti-stick system reliably prevents the electrodes from sticking
- Arc force control supports the welding process with increased arc stability and optimised material transfer
- Reliable and stable ignition even on generators and long wires
- State-of-the-art inverter technology with adaptive control technology ensures excellent welding results thanks to reduced splash formation, compensation of handling errors and simple operation
- Excellent efficiency and low energy consumption thanks to the latest power electronics and fan standby function

- Infinitely variable power setting
- Electrode preselection for standard and CEL for optimal welding parameters

92504 101
MicorStick 160 Accu-Ready
 - Version for mains-independent welding with the MobilePower 1 battery pack

92503 102
Electrode assembly pack for MicorStick

92503 103
Empty assembly case
 560 x 485 x 180 mm

92504 102
MobilePower 1 battery pack
Design

- Mobile welding in a new dimension
- Manufactured and certified to DIN EN 60974-1, with CE and S marks and IP 23
- 600 Wh energy reserve
- High-performance batteries with Li-ion technology enable up to 28 electrodes (2.5 mm) or up to 12 electrodes (3.2 mm) to be welded with just one battery charge
- Clear charge status indicator
- Energy reserve fully scalable through additional batteries
- Optional transport and carrying solutions for unrestricted mobility

Applications
 For MicorStick 160 Accu-Ready.

92504 103
MobilePower charger
Applications
 Mobile charger 115V/230V for MobilePower 1.

92504 104
Connection element for Easy Go 2
Applications
 Wearing option for MicorStick and MobilePower.

92504 105
Weld backpack
Design
 Backpack with hip and chest strap
Applications
 For MicorStick and MobilePower.

92503 101 + 92504 101

92504 102



92503 102-103



92504 104



92504 105



Technical data		92503 101 MicorStick 160 BasicPlus	92504 101 MicorStick 160 Accu-Ready
Operation			
Battery		-	x
Mains		x	x
Generator		x	x
Electrode			
Welding range	A	10 - 150	10 - 150
Power setting		Infinitely variable	Infinitely variable
Weldable electrodes	mm	1.5 - 4.0	1.5 - 4.0
TIG			
Welding range	A	15 - 160	15 - 160
Duty cycle			
100% duty cycle	A	110	110
60% duty cycle	A	120	120
Duty cycle at max. current	%	30	30
Mains			
Mains voltage	V	230	230
Phases (50/60 Hz)		1~	1~
Positive mains tolerance	%	15	15
Negative mains tolerance	%	40	40
Mains fuse	A	16	16
Power plug		Schuko	
Dimensions and weights			
Dimensions (L x W x H)	mm	340 x 131 x 215	340 x 131 x 215
Weight	kg	4.9	4.9
Standards and certifications			
Standard		EN 60974-01	EN 60974-01
Degree of protection (EN 60529)		IP 235	IP235
Insulation class		F	F
Marking		CE, S	CE, S

Technical data		92504 102 MobilePower 1 battery pack
Energy	Wh	604.8
Service life	Charging cycles	approx. 1000
Charging time	min	150
Dimensions (L x W x H)	mm	323 x 131 x 215
Weight	kg	7.0

Type	92503	...	92504	...
MicorStick 160 BasicPlus			101	
Electrode assembly pack			102	
Empty assembly case			103	
MicorStick 160 Accu-Ready				101

Type	92503	...	92504	...
MobilePower 1 battery pack				102
MobilePower charger				103
Easy Go 2				104
Weld backpack				105

Workshop equipment

70602 - 70603

Welding and cutting torch set

70602 101

Set

Design

- The most common size for welding, soldering, heating and cutting
- With an acetylene-oxygen flame at temperatures up to 3100°C.

Applications

For all industrial and craft applications.

Contents:

- Handle
- 6 welding attachments, welding 0.5 - 14 mm
- Cutting insert with lever, 3 - 100 mm and accessories
- Key
- Gas lighter

70602 102

Handle

Design

- One shut-off valve and control valve each for oxygen and acetylene
- Detachable hose connections for these gases

Applications

For 17-mm shank with union nut for normal hoses. (Oxygen G 1/4 x LW 6; acetylene G 3/8LH x LW 9) For holding welding attachments and cutting inserts.

70603 203

Welding attachments

Design

- Work according to the suction or injector principle
- Generally operated with an oxygen pressure of 2.5 bar and an acetylene pressure of 0.5 to 1 bar
- The design generally prevents flashback
- Marked in accordance with BGV D1 (VBG 15)
- Hammered jets

70603 204-205

Pipe welding attachments

Design

- Work like welding attachments and use the same pressures
- The thin copper mixing tube (Ø 6 mm) is easy to bend

Applications

Also suitable for inaccessible places.



	Nominal range mm	Consumption (l/h)+/- 10%	Length mm	70602	...	70603	...
Set	-	-	-			101	
Handle	-	-	-			102	
Welding attachment size 7	14.0 - 19.0	1600	315				203
Pipe welding insert size 3	2.0 - 4.0	315	250				204
Pipe welding insert size 4	4.0 - 6.0	500	255				205

70610 - 70612

Cylinder pressure reducer



70610 - 70611

Design

- With primary pressure and working pressure manometer.

70610

Acetylene pressure reducer

Design

- Single-stage, steel yoke connection, approved under no. 01 D-DE 52 172.

70611

Oxygen pressure reducer

Design

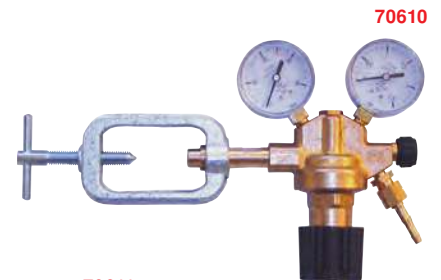
- Single-stage, approved under no. 1 BG 57, for all welding work and cutting up to 200 mm.

70612

Argon and carbon dioxide pressure reducer

Design

- Single-stage or two-stage for 200-bar bottles
- Either a Lite manometer**
- Lite manometer shows the flow rate in the outlet corresponding to a particular back pressure
- Regulation via normal pressure adjustment
- Or a rotameter**
- Set to a fixed pressure (e.g. 3.5 to 4 bar)
- Flow control via the shut-off valve
- Cylinder connection on the left-hand side.



art. no.	Connection	Outlet inch	Hose connection mm LW	Manometer scales bar	Working pressure to bar	Cylinder pressure to bar
70610	-	G 3/8 left-hand	8	0/1.5/2.5 and 0/18/40	1.5	-
70611	Hexagonal nut G 3/4 inch	G 1/4	6	0/10/16 and 0/200/315	10	200
70612	W21.8 x 1/14 inch	G 1/4 left-hand	6	0 - 22/32	0 - 22 l/min	200

For	Colour	70610	...	70611	...	70612	...
Acetylene	Yellow			101			
Oxygen	Blue					101	
Argon and carbon dioxide	Grey						101 NEW

70620 - 70621 Flashback arrestors

Applications
To protect individual cylinders in accordance with TRAC.

70620 Applications
For mounting on **pressure reducers**.

70620 101 Design
Connections: Inlet G 3/8 inch left-hand, outlet G 3/8 inch left-hand.

70620 102 Design
Connections: Inlet G 1/4 inch, outlet G 1/4 inch.

70621 Applications
For mounting on the **torch handle**.

70621 101 Design
With hose nozzle 9 mm LW and union nut G 3/8 inch left-hand.

70621 102 Design
With hose nozzle 6 mm LW and union nut G 1/4 inch.



For	70620	...	70621	...
Acetylene		101		101
Oxygen		102		102

70625 Manometer DIN 8549

70625 101-102 Applications
For oxygen, with oxygen scale reading.

70625 103-104 Applications
For acetylene, with acetylene scale reading.



For	Scale end value bar	Pressure limit mark bar	Ø mm	Connection inch	70625	...
Oxygen	16	10	63	G 1/4		101
Oxygen	315	200	63	G 1/4		102
Acetylene	2.5	1.5	63	G 1/4		103
Acetylene	40	25	63	G 1/4		104

70628 Rubber protection caps for manometer

Applications
Explosion opening in accordance with DIN.

Colour	For manometer Ø mm	70628	...
Blue	63		101
Red	63		102
Grey	63		103



70650 - 70651 Gas lighter

70650 102 Bracket gas igniter Design
Painted, with roller.

70650 103 Pistol gas igniter
Zinc-coated.

70651 202 Flints
For bracket gas igniter.

70651 203 Flints
For pistol gas igniter.



Flint size mm	Flints Pack=pcs	Lighter		Flints	
		70650	...	70651	...
3 x 20	50		102		202
2.6 x 5	100		103		203

Workshop equipment

70659 - 70661 Autogenous hoses EN 559

Note:

For gas cylinder transport trolley, see art. no. 81315.
Hose connectors (hose clamps) DIN 3017,
see art. no. 75062.

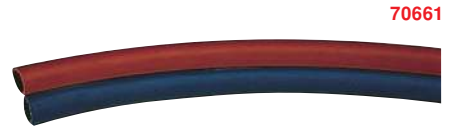
Design

Rubber hoses with fabric insert in flame-retardant
rubber material.

70659
Acetylene hose, red.

70660
Oxygen hose, blue.

70661
Twin autogenous hose.
Firmly connected, but easily separated.
Twin hose clamp not required,
6 x 5 blue, 9 x 3.5 red.



Length m	Clear width mm	Outer Ø mm	Wall thickness mm	For operating pressure to bar	Acetylene hose		Oxygen hose		Twin hose	
					70659	...	70660	...	70661	...
10	9	16	3.5	10		101				
20	9	16	3.5	10		102				
40	9	16	3.5	10		103				
10	6	16	5.0	20			304		202	
20	6	16	5.0	20			305		203	
40	6	16	5.0	20			306		204	

70676 Electrode holder EN 60974-11

70676

Electrode holder

Design

Complies with the accident prevention regulations,
fully insulated, impact-resistant, shock-resistant,
highly heat-resistant, copper alloy base, copper alloy
clamping lever, insulating jackets made of GFRP.



For welding devices to amps	For electrodes to mm	70676	...
200	4		101
300	5		102
600	6		103

70685 - 70686 Welding electrodes FINCORD and FINCORD S



70685 - 70686

Design

EN 499, E421 RR 12, DIN 1913, E 5121 RR6, **thick
rutile-coated**, broad range of uses, excellent
welding behaviour, well-suited for tacking work.
Easy handling, also suitable for inexperienced
welders, very smooth seams. Easy ignition and
re-ignition, smooth, stable arc.

70685
FINCORD
Applications

For unalloyed structural steels St 33 to St 52-3,
boiler plates H I, H II, 17 MN 4, tube steels to St
52.4, St 35.8 to 17 MN 4 ST, StE 210.7 to StE 355,
steel casting GS-38 to GS-52.

Note:
Approved in accordance with TÜV, DB, ABS, BV,
DNV, GL, LRS, Controlas.

70686
FINCORD S
Applications

For unalloyed structural steels St 33 to St 37, St 44,
boiler plates H I, H II, tube steels to St 37.4, St 35.8,
StE 210.7, steel casting GS-38 to GS-45.

Note:
Approved in accordance with TÜV, DB.



Dimensions Ø x length mm	Current (A)	Pack= pieces	FINCORD	
			70685	...
2.0 x 250	50 - 70	170		201
2.5 x 350	65 - 90	210		202
3.2 x 350	100 - 140	125		203
3.2 x 450	100 - 140	118		204
4.0 x 450	140 - 180	78		205

Dimensions Ø x length mm	Current (A)	Pack= pieces	FINCORD S	
			70686	...
3.2 x 350	100 - 140	120		203

70700

Welding electrodes OVERCORD



Design

EN 499, E 380 RC 11, DIN 1913, E 4322 R (C) 3, **rutile cellulose-coated**, universal electrode for assembly, workshop and repair welding, particularly suitable for vertical down welding. Good crack bridging capability. Suitable for tacking work, galvanised, primed and rusted parts. Assembly work

can be performed with continuous amperage in all positions.

Applications

For unalloyed structural steels St 33 to St 52-3, boiler plates H I, H II, 17 Mn 4, tube steels to St 52.4, St 35.8 to 17 Mn 4, StE 210.8 to StE 360.7 and the relevant TM grades, grain-refined steels WStE 255 to WStE 355, shipbuilding steels A, B. Cast steel GS-38 to GS-52.

Note:

Approved in accordance with TÜV, DB, ABS, BV, DNV, GL, LRS, Controlas.

Dimensions Ø x length mm	Current (A)	Pack= pieces	70700	...
2.5 x 350	60 - 85	275		201
3.2 x 350	90 - 130	160		202



70700

70705

Welding electrodes SPEZIAL



Design

EN 499, DIN 1913, E 38 2 B 12 H 10, E 51 43 B (R) 10, AWS/ASME SFA-5.1, E 7016. **Basic-coated**. Versatile electrode for assembly, workshop and repair welding. Smooth, clean seams with notch-free transitions to the base material. Excellent crack bridging capability. The double jacket gives the electrode a stable, targeted arc, meaning it is well-

suited for positional and root welding. Welding seams are x-ray-proof.

Applications

For unalloyed structural steels St 33 to St 52-3, boiler plates H I, H II, 17 Mn 4, tube steels to St 52.4, St 35.8 to 17 Mn 4, StE 210.8 to StE 360.7 and the relevant TM grades, grain-refined steels WStE 255 to WStE 355, shipbuilding steels A, B, D, E cast steel GS-38 to GS-52.

Note:

Approved in accordance with TÜV, DB, ABS, BV, DNV, GL, LRS, Controlas.

Dimensions Ø x length mm	Current (A)	Pack= pieces	70705	...
2.5 x 350	60 - 90	200		101
3.2 x 350	95 - 150	125		102



70705

70710

Welding electrodes CITOREX



Design

EN 499, DIN 1913, E 38 2 RB 12, E 43 43 RR (B) 7, AWS/ASME SFA-5.1, E 6013. **Rutile basic-coated**. Rod electrode, particularly suitable for welding tube roots and positional welding in pipeline, boiler and container construction. Well-suited for bath safety during submerged arc welding. Particularly suitable for subsequent galvanising or enamelling due to low Si content.

Applications

For unalloyed structural steels St 33 to St 52-3, boiler plates H I, H II, 17 Mn 4, tube steels to St 52.4, St 35.8 to 17 Mn 4, StE 210.7 to StE 385.7 TM and the relevant TM grades, grain-refined steels WStE 255 to WStE 380, shipbuilding steels A, B, D, E, cast steel GS-38 to GS-52.

Note:

Approved in accordance with TÜV, DB, ABS, BV, DNV, GL, LRS, Controlas.

Dimensions Ø x length mm	Current (A)	Pack= pieces	70710	...
2.5 x 350	70 - 90	210		101
3.2 x 350	100 - 150	130		102



70710

70715 - 70720

Welding electrodes SUPRANOX



Design

prEN 1600, DIN 8556, E 199 LR 12, E 199 LR 23, AWS/ASME SFA-5.4, E 308 L-16. **Rutile-coated**.

70715

SUPRANOX 308 L

Design

Comparable material 1.4316. Rod electrode for stainless austenitic chrome-nickel steel/cast steel with a low carbon content as well as stainless or heat-resistant chrome steels and cast steel. For operating temperatures up to + 350 °C, scale resistant to 800 °. Fine-droplet material transfer, good moistening of the weld flanks, lightly rippled weld surface, easy slag removal. Simple to light and relight.

Applications

For high-alloy steels such as X 2 CrNi 1911 (1.4306), G-X2 CrNiN 189, X 6 CrNiTi 1810 (1.4541), X 6 CrNiNb 1810 (1.4550), GX 5 CrNiNb 189 (1.4552), X 5 CrNi 1810 (1.4301), GX 6 CrNi 189 (1.4308), X 12 CrNi 177 (1.4310), etc.

Note:

Approved in accordance with TÜV, DB, UDT.

70720

SUPRANOX 316 L

Design

As before, but comparable material 1.4430. For stainless austenitic chrome-nickel-molybdenum steel/cast steel with a low carbon content, for operating temperatures up to + 400 °C.

Applications

For high-alloy steels such as X 2 CrNiMo 17132 (1.4404), G-X2 CrNiMoN 1810, X 2 CrNiMo 17122 (1.4406), X 2 CrNiMo 17133 (1.4429), X 5 CrNiMo 17122 (1.4401), X 6 CrNiMoTi 17122 (1.4301), GX 5 CrNiMoNb 1812 (1.4583), X 120 CrNiMoNb 17133 (1.4436), etc.

Note:

Approved in accordance with TÜV, VDT, DB, GL.

Supranox Dimensions Ø x length mm	Current (A)	Pack= pieces	308 L 70715	...	316 L 70720	...
2.5 x 300	45 - 80	190		201		
2.5 x 300	45 - 80	190				201
3.2 x 350	70 - 120	120 (308 L) / 120(316 L)		102		102



70715

70722 - 70724 Tungsten electrodes

70722

Design

100% free of radiation. Lanthanated electrode. Fine, very even distribution of the lanthanum oxide both across the cross-section and the length. This ensures a high reproducibility of welding results.

70724

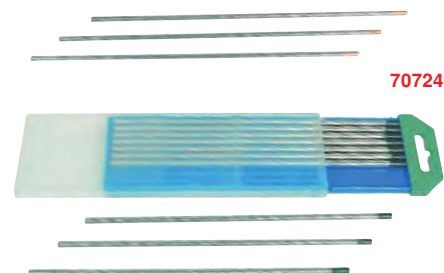
Applications

For welding light metals and their alloys. Operated with AC or DC current at low power.

Ø mm	Length mm	Pack= pieces	Gold type	Type W/99.99% green
			70722	70724
1.6	178	10	102	102
2.4	178	10	103	103



70722



70724

70725 Tungsten electrode grinding device

70725 101

TURBO-SHARP® X

Design

Fully encapsulated housing protects against dangerous grinding dust. Diamond sanding disc: 3-fold adjustment of the sanding disc via adapter ring for 6 benefits of double-sided use of the sanding disc. Multi-purpose cover with integrated opening slider for plane grinding electrodes or creating cone-shaped electrodes (ideal for welding aluminium). Can be connected to existing extractor fans as standard. Optional orbital set, suitable for grinding tungsten electrodes up to a maximum length of 15 mm.

70725 102

Replacement sanding disc

Design

Coated on both sides (doubles the service life!).

Applications

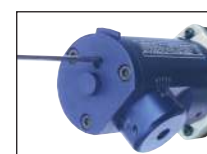
For tungsten electrode grinding device art. no. 70725 101.

Set contents	
1	grinding device with sanding discs,
1	multi-purpose cover,
1	mounting bracket for stationary use,
1	standard head for electrodes with Ø 1.6/2.0/2.4/3.2 mm,
1	extractor connection for connection to an extractor fan,
1	Spannfix clamp holder size 1,
1	assembly tool and operating instructions.

Type	Design	Grinding angle Infinitely variable	70725	...
Grinding device	In metal case	20°-60°	101	
Replacement sanding disc	-	-	102	



70725 101



70725 102

70750 Electric welding hammer (pick hammer) DIN 5133

Design

With steel tube handle.

Weight approx. g	70750	...
430	101	



70750

70753 Welder's hammer



Design

With ash handle, vertical cutting edge and tip.

Weight approx. g	70753	...
330	101	



70753

70754

Pole welding clamp



Design

Malleable iron clamping arms, with pole connection hole 10.5 mm for electrical earthing cable, with wooden handle.

Clamping width x overhang mm	Steel rail mm	Max. current load amps	70754	...
150 x 80	25 x 6	400		201



70754

70755

Welding adhesive magnets

Design

With terminal connection for electrical earthing cable.

For welding devices up to amps	For cable cross-sections mm ²	70755	...
400	35 - 50		102
600	50 - 70		103



70755 102

70755 103

70760 - 70762

Clamping elements TWV and TW for welding tables



70760 - 70761

Clamping elements TWV and TW for welding tables

Design

- Precise, individual clamping
- Tempered profile and sliding bar for flexible and elastic clamping
- Infinitely adjustable overhang
- TWV with variable overhang

Applications

For working on welding tables with 28 mm holes.

70760 101-103

Design

- High-quality 2-component handle
- Knob handle with rounded ends
- Each with smooth-running trapezoidal threaded spindle
- Pressure plate can be replaced without tools

70761 101-103

Design

- Lever handle with ratchet mechanism
- Regulated, fast and low-vibration clamping

70762

Vario table clamping attachment TW28VAD

Design

- With bolts for quick alignment and securing of the workpiece on the welding table

Applications

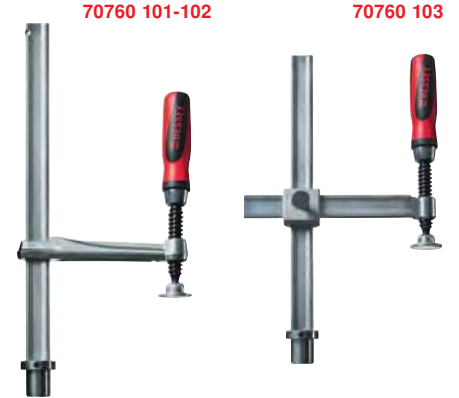
Specifically adapted to round, oval and square workpieces. Infinite angle adjustment from 60° internal to 60° external.



TW28VAD

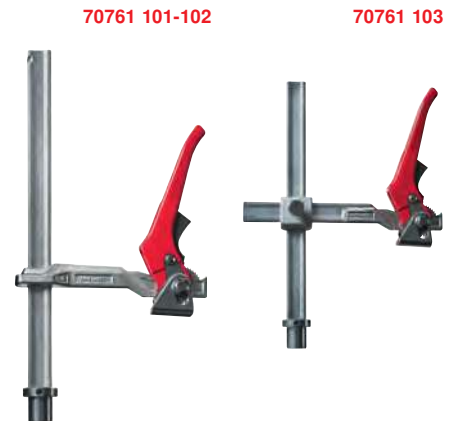


70762



70760 101-102

70760 103



70761 101-102

70761 103

Type	For	70760	...	70761	...	70762	...
Clamping element TW28-30-12-2K	Welding table 300/120		101				
Clamping element TW28-30-14-2K	Welding table 300/140		102				
Clamping element TWV28-30-17-2K	Welding table 300/175		103				
Clamping element TW28-30-12H	Welding table 300/120				101		
Clamping element TW28-30-14H	Welding table 300/140				102		
Clamping element TWV28-30-17H	Welding table 300/175				103		
Vario clamping attachment TW28VAD	Welding table 300/120-175						101

Workshop equipment

70803

Metal angle clamp

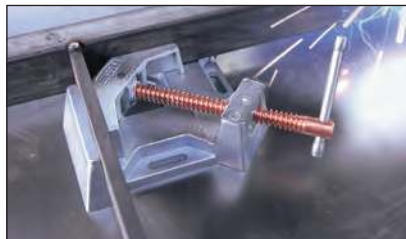


Design

Jaws and basic body made of high-grade cast iron, with 2 elongated holes for clamping on a machine table. Copper-plated spindle prevents adhesion of welding beads.

Applications

Versatile, suitable for precise clamping and alignment work. For holding, securing and aligning in the right angle of tubes and profiles of varying thickness.



70803

Jaw height x length mm	Max. clamping depth mm	Max. clamping width mm	Weight approx. kg	70803	...
35 x 110	60	2 x 90	3.8		101
61 x 120	100	2 x 120	7.8		102

70812

Permanent magnetic joint

Design

Two magnetic blocks are connected by a joint and can be firmly clamped at any angle.

Applications

Welding aid for securing sheet metal, flat and profile strips. Particularly suitable for working in the most confined spaces thanks to the small dimensions.

Note:

Can also be used individually!

70812

L x W x H (single block) mm	Length approx. mm	Retention force up to max. kg	70812	...
60 x 25 x 25	130	Per block 10		201



70823

Variable magnetic welding angle



Design

- Tearing force 300 kg (on 6-mm sheet metal S 235)
- Shearing force 100 kg (on 6-mm sheet metal S 235, 1:3 safety factor)
- Angle side plates infinitely adjustable from 0° to 90° for holding and welding pieces of material
- Quick-action clamp for easy locking/adjustment
- Lightweight, simple and trouble-free handling
- Up to a maximum retention force of 300 kg, even on steel plate with a thickness of just 6 mm
- Ergonomic and easy one-handed activation
- Hardened steel bottom with TiN coating for a long service life time, while also ensuring a small air gap to prevent damage to the bottom

Applications

- Indispensable for anyone who has to weld heavy workpieces together at different angles
- The specially aligned magnetic field (patented) enables welding approx. only 15 mm from the outside of the magnet

Note:

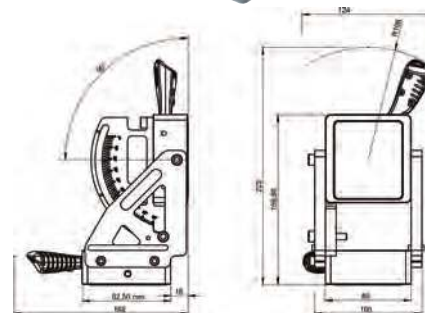
Pre-tension of the magnets

This is a reduced magnetic field that the magnet radiates, even when it is not activated.

This „pre-tension“ makes it possible to attach and position the magnet on a vertical surface or overhead, without it falling. The magnetic force is sufficient to bear the tare weight of the magnet. Consequently, the magnet can be moved into a perfect position for an optimal lifting process before the locking lever is pushed down. The locking mechanism of the magnet is optimised so that one-hand operation is possible.



70823



Type	Tearing force kg	Shearing force kg	Length mm	Width mm	Height mm	Weight kg	70823	...
TMA 300	300	100	162	124	223	2.7		100

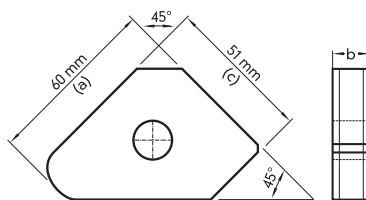
70819 Permanent magnetic welding angle

Design

- Fixed, 45° and 90°
- Lightweight design
- Strong adhesive force
- Insensitive to welding temperatures
- Fully shielded magnetic system
- Pack = 1 pair

Applications

For effective clamping of welded parts.



Dimensions a x b x c mm	70819	...
60 x 12 x 51	101	

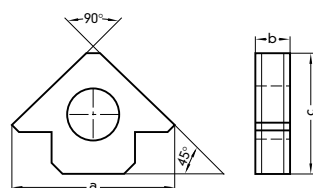
70820 Magnetic welding angle

Design

- Fixed, 45° and 90°
- Lightweight design
- Strong adhesive force
- Insensitive to welding temperatures
- Fully shielded magnetic system

Applications

For effective clamping of welded parts.



Dimensions a x b x c mm	70820	...
120 x 15 x 82	201	
160 x 20 x 100	202	

70836 Welder's goggles

Honeywell

70836 101

Applications

For easy flame cutting work.

70836 102

Applications

For welding, brazing and flame cutting.



Protection level DIN	Visor tint	70836	...
3	green, scratch-resistant	101	
5	green, scratch-resistant	102	

70838 - 70839 Aluminium safety goggles EN 166/169

70838

Design

Athermal lenses, shatter-proof, 50 mm Ø, can be replaced by means of screw ring. Ventilation openings in the capsules, leather nose bridge, 10 mm wide, adjustable elasticated strap and foam rubber edges.

Applications

Protection level 5A DIN = for all gas welding work.

Note:

The goggles are not suitable for arc welding.

70839

Replacement lenses

Design

In pairs.



Protection level DIN	Safety goggles	Replacement lenses
5	70838 ...	70839 ...
	102	102



Workshop equipment

70841

Covering glasses for welders

uvex®

Design

Fits over all prescription glasses. Unrestricted side perception through super panoramic lens with 180° field of view. Excellent, pressure-free fit, effective indirect ventilation through special arm design with optimal side protection. Length of the arm ends can be adjusted to 4 different positions, maximum wearing comfort.

Note:

The goggles are not suitable for arc welding.



70841 103



70841 104

Protection level DIN	70841	...
5		103
6		104

70851 - 70853

Electric welding protective shields EN 166/175

Design

No lenses. Made of ABS polyethylene PE or glass-fibre polyester.

Applications

For replaceable welding lenses 90 x 110 mm and colourless external lenses.

70853

Protective mask.

Design

Swivels over the head, infinitely adjustable, head strap with sweatband.

70851

Protective shield.

Angled design.



70851 101



70851 102



70853 101



Design	Protective shield		Protective mask	
	70851	...	70853	...
ABS polyethylene PE		101		101
Glass-fibre polyester		102		

70855 - 70857

Protective and external lenses for electric welding protective shields EN 166/169



Design

DIN 4646-4647.

Applications

For electric welding protective shields art. no. 70851-70853.

70855

Protective lenses.

90 x 110 mm.



70855

70856

Protective lenses, gold-mirrored.

90 x 110 mm.



70856




70857

70857

External lenses.

Colourless.

Protection level DIN	Size mm		Normal	Mirrored	Colourless	...
			70855	...	70856	...
9	90 x 110	-		201	101	
10	90 x 110	-		202	102	
11	90 x 110	-		203	103	
12	90 x 110	-		204	104	
-	90 x 110	10 pcs.				101
-	40 x 110	10 pcs.				102

Workshop equipment

70860

Speedglas™ 100 welding mask with automatic welding filter

Speedglas®

70860 301

Speedglas™ 100 welding mask

Design

Permanent protection against UV and IR radiation, whether the filter is in light or dark mode or the automatic darkening function is active. Three user-selected sensitivity levels for reliable arc detection. Five different shade levels: 8-12. Selectable opening time delay (100-250 ms). Excellent visibility in light mode level 3 for easy welding preparation and rework. Numerous setting options for maximum comfort of the mask, head band and welding filter.

The product complies with European standards EN 175, EN 166, EN 169, EN 379.

Scope of delivery:

Hard hat 100V with headband, automatic welding filter 100V DIN 8-12, 1 inner and 1 outer transparent polycarbonate external lens, 2 lithium 3-volt batteries (CR 2032).

Applications

The Speedglas™ 100 welding mask has been developed for most welding processes, such as electrode welding, plasma welding, TIG welding and MIG/MAG welding. It can also be used for grinding work.

Note:

Replacement batteries, see art. no. 39900 102.

70860 302

Automatic welding filter 100V

Five adjustable shade levels (8-12), light level (3). In addition, three sensitivity levels for optimum adaptation to different welding conditions. Level 1 if other welders are working in the immediate vicinity, level 2 as the default setting for the most common welding procedures and level 3 for TIG welding.

Applications

For welding mask, art. no. 70860 301.

70860 303

Inner external lenses

Design

42 x 90 mm. Pack = 5 units.

Applications

For welding mask, art. no. 70860 301.

70860 304

Outer external lenses

Design

Standard. Pack = 10 units.

Applications

For welding mask, art. no. 70860 301.

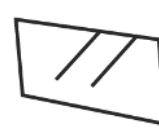


70860 301

70860 302

70860 303

70860 304



	Dark-to-light time ms	Light-to-dark reaction time ms	Field of view mm	Shade level protection level	Light level protection level	70860	...
Speedglas 100V with filter	0.1	100-250	44 x 93	8-12	3	301	
Automatic welding filter	0.1	100-250	44 x 93	8-12	3	302	
Inner external lens (5 pieces)	-	-	-	-	-	303	
Outer external lens (10 pieces)	-	-	-	-	-	304	

70861

Welding mask 9100V/9100X/9100XX

Speedglas®

70861 101-103

Speedglas welding mask 9100V/9100X/9100XX

Design

Permanent protection (conforms with protection level 13) against UV and IR radiation. Seven different shade levels, divided into two groups 5, 8 and 9-13. Seven user-selected sensitivity levels for reliable arc detection. Constant permanently adjustable shade level or light level. Excellent visibility in light mode level 3 for easy welding preparation and rework. Welding filter with three optical sensors. Numerous setting options for maximum comfort of the mask, head band and welding filter. Compatible with maintenance-free 3M breathing masks for welding work. 2 lithium 3-volt batteries (CR 2032).

The product complies with European standards EN 175, EN 166, EN 169, EN 379.

Applications

Suitable for electrode welding, micro-plasma welding, TIG welding, MIG/MAG welding and autogenous welding/cutting.

Note:

Replacement batteries, see art. no. 39900.

70861 104-106

Automatic welding filter 9100V/9100X/9100XX

Design

Light-to-dark reaction time 0.1 ms (+23 °C). UV/IR protection level 13 (permanent). Light level protection level 3. Dark level protection Level 5, 8, 9-13 (variable). Head size 50-64. Solar-assisted power supply (at 9100V and 9100X). 2 lithium 3-volt batteries (CR 2032).

70861 107

Inner external lens for 9100V

117 x 50 mm. Pack = 5 units.

70861 108

Inner external lens for 9100X

117 x 61 mm. Pack = 5 units.

70861 109

Inner external lens for 9100XX

117 x 77 mm. Pack = 5 units.

70861 110

Outer external lens

Standard. Pack = 10 units.

70861 111

Balaclava

70861 112

Sweatband

Pack = 3 units.

70861 104

70861 101-103



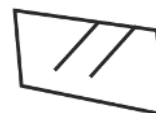
70861 105



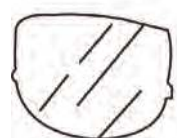
70861 106



70861 107-109



70861 110



	Field of view mm	70861	...
Welding mask with filter 9100V	45 x 93	101	
Welding mask with filter 9100X	54 x 107	102	
Welding mask with filter 9100XX	73 x 107	103	
Automatic welding filter 9100V	45 x 93	104	
Automatic welding filter 9100X	54 x 107	105	
Automatic welding filter 9100XX	73 x 107	106	
Inner external lens 9100V (5 pieces)	-	107	
Inner external lens 9100X (5 pieces)	-	108	
Inner external lens 9100XX (5 pieces)	-	109	
Outer external lens (10 pieces)	-	110	
Balaclava	-	111	
Sweatband (3 pieces)	-	112	

Workshop equipment

Speedglas®

70859 100

ADFLO FlexView breathing protection system**Design**

3M Speedglas 9100X FX Air welding mask with 3M Adflo blower – breathing protection system now with improved breathing protection – TH3! Welder's hard hat as a complete combination with breathing protection and automatic welding filter 9100 X, protection level 5, 8, 9-13, and a 17 x 10 cm clear visor for preparation and rework. The ADFLO blower box is worn on the leather belt and includes the electronically controlled filter device with battery, pre-filter and particle filter and the connecting air hose from the ADFLO blower box to the hard hat.

Automatic polyamide welding mask, black/silver with 50% larger field of view, replaceable welding protection filter cartridge, which switches from protection level 3 as the output level to the specified protection level when the arc is ignited. Darkening per protection level takes 0.1 ms. Once the welding process is complete, the automatic welding filter returns to light mode. The side viewing window can be covered with the supplied foil. Power supply: solar cells and batteries. If the battery or electronic system fails, the filter switches to protection level 5.

Scope of delivery:

Automatic welding helmet with FlexView function 9100 X with welding protection filter cartridge with 2 lithium 3-volt batteries (CR 2032). ADFLO blower box on belt, battery, QRS hose, electronic battery charger, air flow sensor, storage bag.

Note:

Replacement batteries, see art. no. 39900 102.

70859 101

Particulate filter**Design**

Pack = 2 units.
Level P (SL).

Applications

For Adflo system

70859 107

Pre-filter**Design**

Pack = 5 units.

Applications

For Adflo system

70859 108

Panoramic lens**Design**

Pack = 5 units.

Applications

For 9100 FX

Note:

Further accessories, see art. no. 70861 108 and 70861 110.



70859 100



Type	Light-to-dark switching time ms	Dark-to-light switching time ms	Field of view mm	Dark level protection level	Light level protection level	70859	...
9100 FX/ADFLO	0.1	40-1300	54 x 107	5, 8, 9-13	3		100
Particle filter	-	-	-	-	-		101
Pre-filter	-	-	-	-	-		107
Panoramic lens for 9100 FX	-	-	-	-	-		108



70862 101

Welder's hard hat VarioProtect XXL-W**Design**

- Automatic welder's hard hat with extra large field of view (100 x 65 mm), powered by solar cells
- Complete protection of the face and front of the neck against radiation and sparks
- Fully automatic darkening in just 1/30,000 sec, as soon as the arc is ignited
- The built-in UV/IR filter keeps out harmful radiation
- The sensitivity can be infinitely adjusted and the dark-to-light reaction time can be set to multiple levels
- The VarioProtect helmet can also be used for grinding in „Grinding“ mode
- Tested in accordance with EN 379 and EN 175

Applications

Suitable for MIG/MAG, TIG and electrode welding, as well as for grinding. Not suitable for use in laser welding, oxygen and acetylene welding or cutting processes.

Properties:

- Infinitely variable DIN 4-8 and DIN 9-13
- Reaction time 1/30,000 sec
- 4 sensors
- Extra-large field of vision
- Easy battery replacement

70862 102

External lenses for art. no. 70862 101**Design**

- Pack of 10

70862 102

**NEW**

70862 101



Type	Reaction time s	Infinitely variable Protection level	Field of view mm	70862	...
Welder's hard hat VarioProtect XXL W	1/30,000	DIN 4-8 and 9-13	100 x 65		101
External lenses for art. no. 70862 101 Pack of 10	-	-	-		102

70863 - 70864 Automatic welding mask

70863 201

Design

Certified and tested according to European quality standards. EN 379 for the anti-glare cassette and EN 175 for the helmet shell. The ergonomic helmet shape ensures effortless work. Modern design, comfortable headband, very robust housing, easily replaceable cassettes (90 x 110 x 6 mm) and external lenses. Field of vision 38 x 94 mm. Maximum UV/IR protection for every state of the cassette. Solar energy means that an on/off switch and battery replacement are unnecessary. Opening time controller for convenient adjustment of the switching time from dark to light mode. The sensor bar eliminates the influence of ambient light and can be removed when welding in awkward spaces. Colour: black.

Applications

Suitable for all electrical welding processes such as electrode and MIG/MAG welding.

Caution: not suitable for TIG, gas or laser welding.

70864 101

External lenses

Design

90 x 110 mm. **Pack = 10 units.**

Applications

For welder's protective mask art. no. 70863.

70864 102

Sweatband

Design

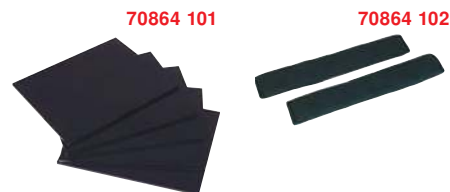
Towelling, black, self-adhesive.

Applications

For welder's protective mask art. no. 70863.



70863



	Adjustment range	Protection level manual	70863	...	70864	...
Welding mask	4/9 - 13	9 - 13		201		
External lenses	-	-				101
Sweatband	-	-				102

70865 - 70867 Replacement welding and inspection mirror

Design

- Chrome-plated mirror
- Approx. 1.0 mm thick

70865

Design

- Can be turned in all directions
- With wire handle

70866

Design

- With adhesive magnet
- Flexible, unbreakable, bolted arm
- Adhesive force approx. 400 N

70867

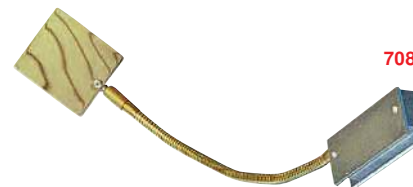
Replacement mirror

Applications

For art. no. 70865 and 70866.



70865



70866

	70865	...	70866	...	70867	...
Mirror		101		101		
Replacement mirrors	10 pcs.					101

70875 - 70878 Welder's protective clothing

70875

Welder's apron

- Size approx. 80 x 100 cm
- Grade 1a split cowhide leather
- Strong core leather straps

70876

Welder's gloves (pair)

- Combined
- Full-grain leather palm
- Split leather backs of hands and cuffs
- CE cat. 2, stronghand®
- Standard DIN EN 12477
- Design A
- Length approx. 35 cm
- Size 10

70877

Argon welder's gloves (pair)

- Full-grain nappa leather
- Inset thumb
- Split leather cuff
- 35 cm long
- Cat. 2

70878

Welder's gaiters (pair)

- Height 30 cm
- Split leather



70875



70876



70877



70878

Apron	Gloves	Gloves	Gaiters
70875	...	70876	...
		70877	...
			70878
	101	102	101
			101