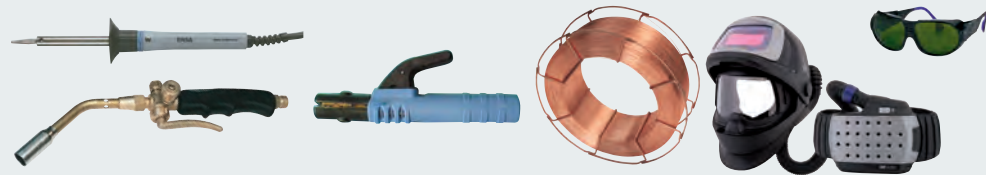


# Workshop Supplies



- Soldering irons
- Welding and cutting torches
- Welder's protective clothing

## 70

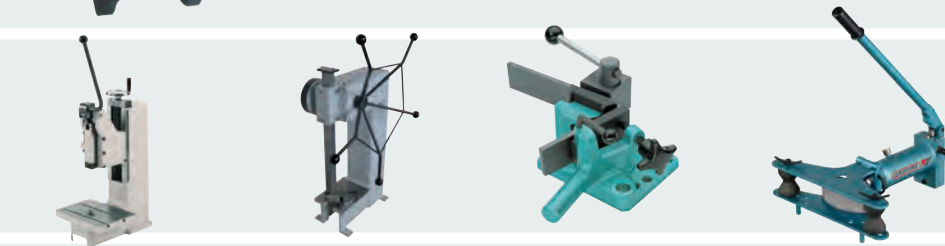
70.3 – 70.26



- Blacksmith's tools
- Test plates

## 71

71.1 – 71.2



- Presses
- Bending tools

## 72

72.1 – 72.2



- Scissors
- Scrapers
- Deburring tools

## 73

73.1 – 73.18



- Punches
- Ring and seal cutters
- Sheet metal punches
- Hydraulic punching tools

## 74

74.1 – 74.4



- Dusting guns
- Compressed air spiral hoses
- Hose clamps
- Compressed air couplings
- Spray guns

## 75

75.1 – 75.6



- Sprayers
- Lubricators
- Funnels
- Collecting containers
- Cleaning devices
- Drum and container pumps
- Grease guns

## 77

77.1 – 77.12



- Nut splitters
- Stud inserters and extractors
- Extractors
- Punches
- Label writers
- Magnets

## 78

78.1 – 78.24

**Our suppliers  
for WORKSHOP SUPPLIES:**

**ATORN®**

**HHW**

**MAX**  
SAFETY

**BAHCO**

**BESSEY**  
Einfach besser.

**BILZ**

**DYMO**

**ENGEL**

*Erdi*

**FLUX**

**GEDORE** 

**HAWERA**

**HAZET®**

**Honeywell**

**KUKKO®**

 **kurtz ersa**

 **LÖWE**  
ORIGINAL

**martor**

**OERLIKON**

 **m+b**  
PEDDINGHAUS

**PFERD**  


**leilang™**  
swissmade

**RIDGID**

**Speedglas®**

 **STAHLWILLE®**

**uvex®**

**WALTHER**  
PILOT

**Weller®**

70002 - 70003

Electric quick soldering device (ENGEL solderer)



70002

Type B 50 Set

For operation with rechargeable battery

Type

In impact-resistant plastic case, protective insulation, class II. Wear resistant continuous soldering tip easy to replace. 2 slip-on lights.

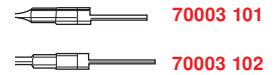
70002 102



Set contents	
1	ENGEL solderer
1	battery charger for rechargeable nickel-metal-hydrate-batteries
3	soldering tips 1,5 / 2,5 / 6,0 mm <sup>2</sup>
1	reel of solder approx. 4 g
1	cleaning sponge
1	screwdriver

Soldering iron			
Type	Heat-up time approx. s	Soldering tip temperature approx. °C	Weight approx. g
B 50	9	350	160

Spare soldering tips		
Type	For soldering tasks to mm <sup>2</sup>	
B 50 H	1,5	101
B 50 D	2,5	102



70005 - 70006

Electric quick soldering devices (ENGEL solderers)



70005

Type

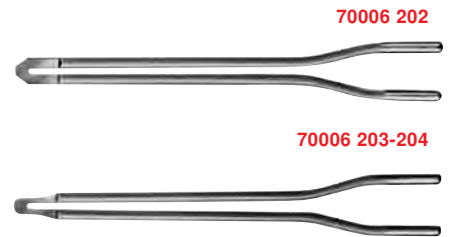
In impact-resistant plastic housing, protection class II (protective insulation), interchangeable soldering tip, ready to solder after approx. 6 s. shadow-free soldering point illumination. Complete with soldering tip Type 60 WB.

70005



Soldering device			
Type	Output approx. watt	Voltage V	Weight without cable g
60 S	50	230	700
100 S	80	230	1000

Spare soldering tips		
Type	for soldering tasks to mm <sup>2</sup>	
60 WS	1,0	202
60 WB	2,5	203
100 WB	12,0	204



70010

Quick-action soldering gun Multi Sprint



Type 960 ED

Type

Very lightweight, quick-action soldering gun without transformer with inside heated ERSADUR wear-resistant continuous soldering tip type 0832 ED, chisel-shaped, 3,2 mm. Extremely short heat-up and cool-down times.

Use

Service and repair.

Note:

Spare soldering tips see cat.-no. 70053 cont.

70010



Type	Output approx. watt	Voltage V	Heat-up time approx. s	Heating capacity to watt	Weight approx. g
960 ED	75	230	15	150	100





**70021 - 70025 Electric SMD soldering irons**



70021

**Type**

Multi-purpose soldering iron. Power cable 1,5 m. Interchangeable heating element.

**Use**

16 watt: slim soldering pencil for modern electronics (miniaturized circuits etc.). 30 and 40 watt: With attachable distance ring for setting down the iron. For radio and television engineering, electronics.



70021 101



70021 102-103

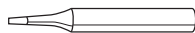
**Soldering tip shapes:**

LD, bevelled tip,



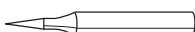
70025 101

KD, chisel-shaped tip,



70025 102

BD, pencil-shaped.



70025 104

KD, chisel-shaped tip, straight.



70025 105

BD, pencil tip.



70025 108

**16 watt - series 0162 - inside heated**

**30 and 40 watt - series 0032 - externally heated**

								Soldering pencil	
Type	Output approx. watt	Voltage V	Heat-up time approx. s	Soldering tip temperature approx. °C	Soldering tip Ø mm	Weight without cable g		70021	...
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

					Spare soldering tips	
Type	Series	Output approx. watt	Ø mm		70025	...
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 Placement stand for micro soldering iron**



**Type**

Metal with 2 spiral-shaped funnels.

**Use**

For smaller and medium-sized soldering irons.

**Note:**

For soldering iron cat.-no. 70021-70042.



70027

Type	70027	...
A 05		102

**70030 Micro soldering set**

**Type**

Gas-operated micro soldering device with up to 1300°C. Variable gas feed, filling by means of standard lighter gas cartridges. Incl. of different supports, solder reel, soldering sponge. In plastic box. Incl. different attachment heads, solder reel, soldering sponge.

**Use**

For precision work in electronics, model making, processing of heat shrinkable tubing and soldering of cables.

70030



Set contents:		
Gas soldering iron,		
Bunsen burner nozzle head,		
Soldering head incl. 6 screw-in soldering tips,		
Flat attachment for Bunsen burner nozzle head,		
Heat shrink tube attachment for Bunsen burner nozzle head.		

Set contents	Soldering tip temperature max. °C	Type	70030	...
11-piece	1300	in plastic cassette		201

Workshop Supplies



70032

## Gas soldering sets INDEPENDENT



## Type

Soldering iron with piezo igniter, output infinitely adjustable, operation with standard butane gas for lighters.

## Use

The ergonomic gas soldering device enables grid-free soldering.

## 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 placement 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 blade type G 132 MN,
- 1 sheet metal reflector G 132 RE for hot gas nozzle G 132 HE for heat shrinking shrink hoses,
- 1 cleaning sponge type 006 G,
- 1 sponge holder type G 156.

70032 101



70032 102



70032 202



Set	Output watt	Heat-up time approx. 280°C approx. s	max. Soldering tip temperature approx. °C	Length approx. mm	Type	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 sets INDEPENDENT

## Type

Butane gas for lighters.

## Use

For gas soldering sets INDEPENDENT, cat.-no. 70032.

70033

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



70036 - 70041

## Electric SMD soldering irons

70036

## Soldering pencil

## Type

Lightweight practical soldering devices with especially short distance between soldering tip and front part of handle, with wear-resistant continuous soldering tip, complete with cable and plug.

## Use

15 W for printed circuits, small connections on relays or similar wiring works.

25 W for medium-sized soldering work on plugs, distributor strips, printed circuits etc., also suitable for repetitive application.

## Note:

Spare soldering tip for soldering pencil 15 W see cat.-no. 70025 104.

## 70041

Spare soldering tips, BD, pencil tip, series 0172.

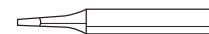
70036 203



70036 204



70041



Type	Output approx. watt	Voltage V	Heat-up time approx. s	Soldering tip temperature approx. °C	Weight without supply line g	Soldering pencil 70036	Spare soldering tip 70041	...
910 BD	15	230	60	350	28	203		
920 BD	25	230	60	450	34	204		
0172 BD	-	-	-	-	-			111

70042

## Soldering pencil

## Type

With internally heated ERSADUR wear-resistant continuous soldering tip type 832 CDLF and placement stand A 18. Connecting cable heat-resistant.

## Use

For mobile use by service technicians. In addition to standard soldering jobs, even SMT components can be worked on.

## Note:

Spare soldering tips series 832 see cat.-no. 70053.

70042



Type	Voltage V	Heat-up time approx. s	Soldering tip temperature approx. °C	Weight approx. g	70042	...
930 CD	230	300	430	60	101	







**70044 - 70046 Magnastat electric soldering irons**

**Weller**

70044

**Mains voltage soldering iron**

**Type**

With straight standard soldering tip. Constant temperature thanks to control automatic 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**

70046 203

**Solder unwinder**

**Type**

With changeable axis Ø 12 and 18 mm.

**Use**

For rolls to 1 kg.

70044 101



70044 102



70046 126-134



70046 203



				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	

					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
Unwinder	-	-	-	-	#	203

**70047 - 70051 Soldering stations**

**Weller**

70047 101

**Magnastat**

**Type**

WTCP51, consists of: insulation transformer (class II) 230 x 24 V, soldering iron with automatic temperature control, soldering iron holder. Soldering iron with 3-wire connecting cable. The third wire is routed directly to the equipotential bonding socket via the plug.

**Use**

For soldering in production and laboratory.

70047 102

**Temtronic**

**Type**

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

**Use**

Particularly suited for soldering SMB components and lead-free soldering.

70047 103

**Type**

WSD81, consists of: Soldering iron WSP 80, 80 W, 24 V, soldering tip LT B, chisel-shaped, 2,4 mm, control device PUD 81, digital, 80 W, 230 V, suitable soldering iron holder. Anti-static housing. Soldering tip temperature electronically controlled, max. temperature 450°C.

Tolerance +/-2%, equipotential bonding, digital control technology, locking function (lock-out), temperature adjustment 50°C to 450°C, option: external input device for time function.

**Use**

Particularly suited for soldering SMB components.

70048 101

**Low-voltage soldering iron**

**Type**

Separate: Type TCP-S, 24 V, 50 W, for cat.-no. 70047 101.

For illustrations see cat.-no. 70047.

70048 202

**Soldering iron**

**Type**

Separate: Type WSP80, 24 V, 80 W, anti-static, for cat.-no. 70047 102+103.

70049 101

**Spare heater element for TCP-S.**

70049 202

**Spare heating element for WSP80.**

70051 101

**LT M 3,2 mm**

**Spare soldering tip for cat.-no. 70047 101.**

70051 102

**LT B 2,4 mm**

**Spare soldering tip for cat.-no. 70047 102+103.**

70047 101



70047 102



70047 103



70049 101



Flat

Long

Soldering station		Soldering iron		E-heating element		Spare soldering tips	
Type	70047	...	70048	...	70049	...	70051
WTCP51		101					
WS81		102					
WSD81		103					
TCP-S			101	#	101		
WSP80			202	#	202		
LT M 3,2							101
LT B 2,4							102



Workshop Supplies

70050

## Electronic soldering station RDS 80

**kurtz ersa****Type**

Processor controlled soldering station with push-button access to 3 programmable temperatures, temperature range 150 - 450 °C, stand-by and Auto Power Off, large LC-display. Thanks to the powerful PTC heating element of the soldering iron RT 80 (up to 290 W heat-up power), the target temperature is reached quickly with power to spare.

**Scope of supply:**

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

**Note:**

Spare soldering tips series 832 see cat.-no. 70053.



70050



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

70052 - 70053

## Electronic soldering stations

**kurtz ersa****Note:**

Spare soldering tips series 832 see cat.-no. 70053.

**70052 102****Type**

Precise temperature control thanks to ERSA RESISTRONIC (PTC heating element). Equipotential bonding socket. Internally heated ERSADUR continuous soldering tip with modern turning protection. Calibration soldering station. The placement stand also serves as tip holder VDE/GS tested.

**Use**

For industrial use.

**70052 102****Type**

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

**70053****Spare soldering tips, series 832 LF.**

For cat.-no. 70042, 70050, 70052 und 70054.

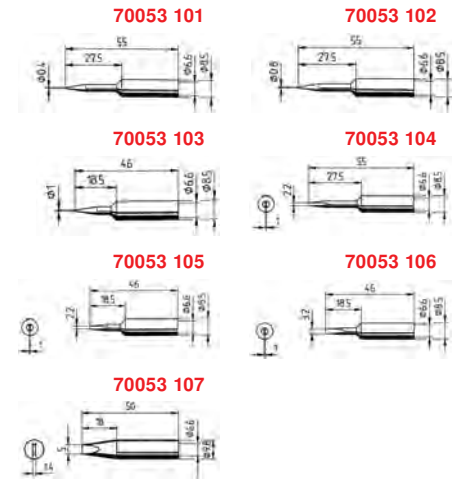
**For lead-free soldering, service life up to 3 times longer than with older ERSADUR soldering tips.**



70052

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

		Soldering tips	
Shape	Dimensions mm	70053	...
UD LF, pencil tip, extended	∅ 0,4		101
SD LF, pencil tip, extended	∅ 0,8		102
BD LF, pencil 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

**LARGE SELECTION – SIMPLE SEARCH**

Always remember! CATALOGUE VOLUME [1]

The specialist catalogue for machining and clamping technology.

Experience our extensive product range of quality tools from **ATORN**.

**ATORN**® Performance requires quality





**70055 Electronic soldering station i-CON nano**



**70055 101**  
Type

The newest member of the i-CON series fulfills all requirements of today's industrial production in spite of its small size. It is designed for continuous usage in electronics, but also for special applications in laboratories and development. The easy operating concept of the I-CON nano as delivered enables the user to set working temperature, stand-by time, and a calibration value.

**Note:**

Additional adjustment possibilities, such as fixed temperatures, energy level, locking mechanism and switch-off function through use of free-of-charge PC software. PC software included on micro SD memory card cat.-no. 70055 108.

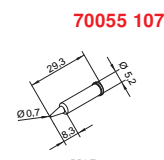
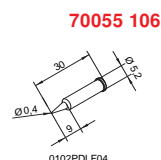
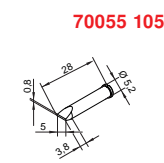
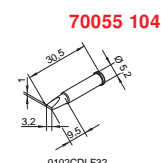
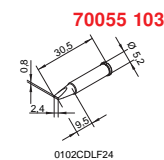
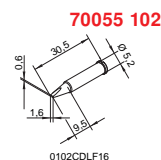
**70055 102-107**  
Spare soldering tips series 102 for i-CON nano cat.-no. 70055 101.

**70055 108**  
Card reader with micro SD memory card (2 GB) incl. PC software



Soldering station					
Type	Voltage V	Heat-up output approx. W	Temperature range °C	70055	...
i-CON-nano	220-240	80	150-450	#	101

Accessories					
Soldering tip shape	Soldering tip dim. mm	70055	...		
CD LF16, chisel-shaped	1,6	#	102		
CD LF24, chisel-shaped	2,4	#	103		
CD LF32, chisel-shaped	3,2	#	104		
CD LF50, chisel-shaped	5,0	#	105		
PD LF04, pencil tip	Ø 0,4	#	106		
PD LF07, pencil tip	Ø 0,7	#	107		
Card reader with microSD card	-	#	108		



**70054 Electronic soldering iron**

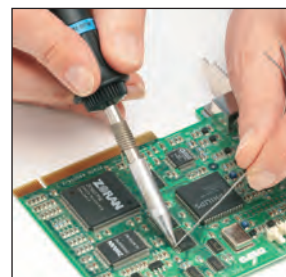


**70054**  
Type  
Powerful, temperature-controlled soldering iron with sensitive temperature sensor, placed directly beneath the inside-heated soldering tip. Quick heating, heat-resistant connecting cable, temperature range variably adjustable.

**Note:**

Spare soldering tips series 832/842 see cat.-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



**70058 - 70059 Electric soldering irons**



**70058**  
Soldering iron  
Type  
With wear-resistant continuous soldering tips.  
Use  
Particularly suited for fast soldering on wires with small to medium cross sections.

Spare soldering tips			
Shape / watt	70059	...	
JD / 50	#	301	
JD / 150	#	309	

Shape JD



Soldering iron							
Output approx. Watt	Voltage V	Heat-up time approx. min.	Soldering tip temperature approx. °C	Soldering tip Ø mm	Weight approx. g	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





**70062**

**Soldering fume extraction**



**EA 55 i complete**

**Type**

- Efficient particle and gas filtration
- Gas filter - active charcoal
- Particle filter (filter class pre-filter/main filter) F7 / H13
- Filter surface 1,9 m<sup>2</sup>, degree of separation less than 99,97% (HEPA)
- Thanks to quick-release closures, filter change is very easy.
- Connection for a flexible extraction arm, Ø 50 mm

- Visual signal if filter is saturated or air builds up
- Interface to the connection of i-CON C soldering stations

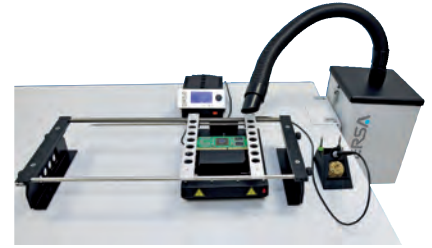
**Use**

At the workstation.

**Scope of supply:**

- Filter device
- Extraction arm with holding clamp
- Nozzle
- Interface cable and power cable

70062



Output approx. watt	L x W x H mm	Extraction arm Ø mm	Vol. flow Free-running m <sup>3</sup> /h	Vol. flow with New Filter m <sup>3</sup> /h	Underpressure Pa	Noise level dB (A)	Weight approx. kg	70062	...
75	290x270x410	50, length 1m	110	105	1400	56	10	#	101



**70060**

**Electric hammer-shape soldering irons**



**Type**

With scale-free soldering tips.

**Use**

Especially suitable for internal soldering in container and car-body construction, and for repairing radiators and plumber's work.

70060



Type	Output approx. watt	Voltage V	Heat-up time approx. min.	Solder temperature 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

**70080**

**Tip reactivator**

**Type**

Environmentally friendly, without lead and halogens.

**Use**

For the reactivation of oxidised soldering tips. Just move the heated soldering tip over the surface of the reactivating compound. Works at low soldering tip temperatures.

70080

Type	Contents g	Version	70080	...
TR 01	15	in can		101



**70088 - 70090**

**Desoldering device**



**70088**

**Type**

Plastic housing, anti-static with suction volume

**Use**

Through the anti-static device equipment working on highly-sensitive components poses no problems.

The double sealing ring system guarantees a uniform suction capacity.

**70090**

**Spare desoldering tip**

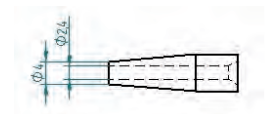
Pack = 2 pcs.

70088



70090

Type	Suction volume cm <sup>3</sup>	70088	...	70090	...
VACX	11,3		101		
Desoldering tip VACX2	-				101



**70198**

**Butane gas soldering torch Laser 2**

**70198 201**

**Type**

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

**Use**

For all soft soldering and heating tasks.

**70198 208**

**Cartridge**

**Type**

With 190 g butane gas.

**Use**

Can also be used for almost all off-the-shelf cartridge soldering burners and camping devices. Please take note of the individual manufacturer instructions.

70198 201



70198 208

**70198 204**

**Flat burner**

**Use**

For pipes to 22 mm Ø.

	Flame temperature approx. °C	Working temperature approx. °C	70198	...
Basic device	1.700	650		201
Flat burner	-	-		204
Cartridge	-	-		208



# Propane gas soldering

## 70206 - 70207 Propane gas soldering irons

70206

**Propane gas soldering irons**

**Type**

- Solid brass
- With insulated handle
- Bit holder with screw-on soft solder insert
- Rotating hose connection
- Complete with wind shield and
- Copper bit.

**Note:**

Propane hoses, see cat.-no. 70228.

70207

**Spare copper bit.**

Hammer-shaped, offset, 350 g.



	Gas pressure to bar	Gas consumption g/h	Connection thread inch	70206	...	70207	...
<b>Soldering iron complete</b>	1,5	60	G 3/8 left-hand	#	102		
<b>Spare copper bit</b>	-	-	-				102

## 70210 Propane gas soldering iron with piezo ignition

**Type**

- With soldering iron
- Handle
- Soldering nozzle with holder
- Automatic one-hand ignition at the touch of a button, for contactless ignition

- Air regulator
- Adjustable flame size
- Rotating hose connection



Gas pressure bar	Gas consumption g/h	Hose connection	70210	...
1,5	60	G 3/8 LH		101

## 70215 Propane gas soldering set

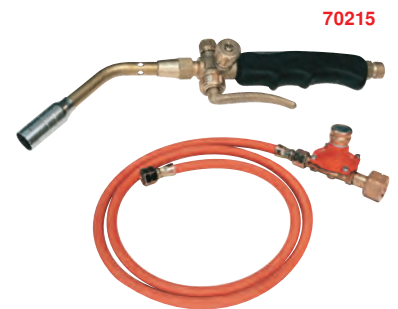
**Use**

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

**Set contents**

- 1 propane gas handle with eco-valve
- 1 Turbo-Jet burner 19 mm,
- 1 1,5 m HP 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-piece		501



## 70218 Propane gas high-performance torch set

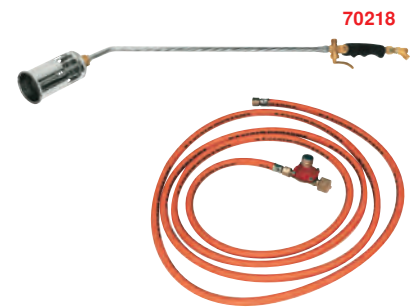
**Use**

Universal use for heating, burning off, defrosting, roof sealing etc.

**Set contents**

- 1 handle with eco-valve and inside regulating stand-by flame adjustment
- 1 connection tube 600 mm
- 1 stainless steel heavy-duty torch Ø 60 mm
- 1 torch support
- 1 low-pressure regulator
- 1 5 m mounted hose line
- 1 capacity 6 kg/h,
- 1 Inlet: Combination connection hose safeguard, 6,3 x 5 G 3/8 l x G 3/8 l

Set contents	70218	...
8-piece		101



## 70220 - 70222 Propane small cylinder

70220

**Cylinder with valve**

**Type**

- Light,
- Small cylinder valve with overpressure safeguard and sealing cap,
- Hang-up hook and base,
- Is filled by itself from supply cylinders via filling adapter
- Outlet small cylinder valve G 3/8 inch left-hand,
- Approved under 82D168B.

70222

**Filling adapter for self-filling**

**Type**

- Connection W 21,8 x 1/14 inch left-hand, with profile nut and guide pin.

**Use**

For cylinders 5 and 11 kg.

	For fill quantity g	70220	...	70222	...
<b>Propane cylinder</b>	425		101		
<b>Filling adapter</b>	-				101



## 70225 - 70226 Propane gas regulators

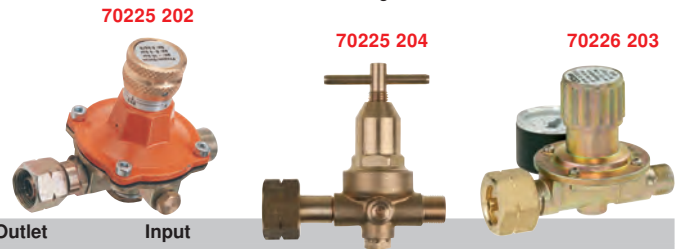
**Type**  
Solid brass, connections in compliance with DIN 477.

**Note:**  
Propane hoses, see cat.-no. 70228.

**70225**  
**Type**  
Compact design, for all soft soldering and brazing tasks, as well as for soldering guns.

**70226**  
**Type**  
With manometer, for all soft soldering and brazing tasks, soldering guns, pre-heating torches, special torches for cutting.

	70225	...	70226	...
			202	203
	#		204	



Cat.-no.	Cylinder contents g/kg	Throughput capacity kg/h	Gas pressure to bar	Outlet inch	Input
70225 202	425	4	1,5	G 3/8 left-hand	Hex nut G 3/8 inch left-hand with taper
70225 204	5-11	4	1,5	G 3/8 left-hand	Profile nut W 21,8 x 1/14 inch left-hand with guide pin
70226 203	5-11	6	4,0	G 3/8 left-hand	Profile nut W 21,8 x 1/14 inch left-hand with guide pin

## 70228 Propane gas high-pressure hoses DIN 4815.

**Type**  
With textile insert, completely reinforced with hose connections, tested by DVGW (German Association of Gas and Water Engineers).

Hose Length m	Inner Ø x wall	Pressure class	Hose connection	Colour	70228	...
5	4 x 4	30	G 3/8 left-hand/M 10 x 1 left-hand	orange	#	202
5	4 x 4	30	G 3/8 left-hand both sides	orange		204



## 70230 Propane gas soft soldering set

### Set contents

- 1 propane soft-soldering iron with holder and piezo lighter (cat.-no. 70210),
- 1 Copper bit 350 g, offset hammer shape (cat.-no. 70207 102),
- 1 wind screen, propane gas HP hose 2 m, both sides G 3/8 inch,
- 1 small propane gas regulator 1,5 bar, fixed setting (cat.-no. 70225 202),
- 1 small propane gas cylinder 425 g fill volume (cat.-no. 70220),
- 2 propane gas filling adapters (cat.-no. 70222) for 5 and 11 kg cylinders
- 1 fork wrench

Contents	Type	70230	...
8-piece.	in carrying case	#	201



## 70246 Propane gas soldering set

**Type**  
Handle piece solid brass, with insulated hand grip, with pilot flame and shot lever valve.

**Use**  
For soft-soldering, brazing and heating.

### Set contents

- 1 handle piece
- 1 soft-solder insert with copper bit 350 g
- 1 2 m high-pressure hose, armoured
- 1 regulator adjustable to 4 bar
- 1 for cylinders to 11 kg
- 1 turbo torch 12 / 14 / 17 and 20 mm Ø,
- 1 fork wrench
- 1 spark lighter

Gas pressure to bar	Hose connection inch	Type	70246	...
4	G 3/8 left-hand	in sheet metal box	#	201



## 70301 Soft solder paste DIN 8511

**Type**  
S-Pb60Sn 40, DIN EN 29453, flux  
DIN EN 29454, 3.1.1.C (F-SW21).  
Ready-to-use metal paste.

**Use**  
Among other things, suited for tinning car body parts

**Note:**  
Wash off any residual flux!

Content approx. g	Metal content %	70301	...
250	60-70		102



**70303 - 70306 Soldering wires (lead-free)**

**70303**  
**Type**  
 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).  
**Use**  
 Standard soldering wire for precision soldering in areas such as electronics, electrical engineering, telecommunications engineering and electric motor manufacturing.

**70304**  
**Type**  
 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, 1.1.2.B (EN 61190 - ROL0).  
**Use**  
 Soft soldering wire for demanding applications in areas such as electronics and electrical engineering.

**70305**  
**Type**  
 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).  
**Use**  
 Standard soldering wire for precision soldering in areas such as electronics, electrical engineering, telecommunications engineering, and electric motor manufacturing.

**70306**  
**Type**  
 DIN EN ISO 9453 S-Sn95Ag4Cu (SN95, 5Ag3,8Cu0,7), lead-free special alloy, 3,5 % flux content in compliance with DIN EN 29454, 1.1.3.B (EN 61190 - ROL0).  
**Use**  
 Soft soldering wire for demanding applications in areas such as 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 wire**

**70310**  
**Type**  
 S-Pb60Sn 40 (tin content 40 %), S-Sn60Pb 40 (tin content 60 %) DIN EN 9453, flux DIN EN 29454, 1.1.2.B, flux content 2,5 %.  
**Use**  
 For precision soldering in areas of electronics, telephone network construction and electrical engineering.

**70311**  
**Type**  
 S-Sn60Pb 40 (tin content ISO 60%), DIN EN ISO 9453, flux DIN EN 29454, 1.1.3.B, flux content 3,5%.  
**Use**  
 Electronics and electrical engineering



Wire Ø mm	Weight g	Tin content %	70310	...
2,00	100	40		103
2,00	250	40		107
2,00	250	60		108
2,00	1000	40		113
2,00	1000	60	#	114
3,00	250	40		109
3,00	250	60		110
3,00	1000	60		115

Wire Ø mm	Weight g	Tin content %	70311	...
0,50	250	60	#	197
0,75	250	60		199
1,00	100	60		201
1,00	250	60		205
1,00	1000	60		211
1,50	100	60		202
1,50	250	60	#	206
2,00	100	60		204

**70315 Desoldering wicks**

**Type**  
 Flux soaked flexible copper cord. Flux in compliance with DIN EN 29454.1, 1.1.3.B (ROL0). On coil.  
**Use**  
 For desoldering of SMD and THT components and for removing excess solder on printed circuits.

Width mm	Length m	70315	...
1,5	1,6		102
2,5	1,6		104

70315 102 70315 104





## 70325 Solder DIN EN 29453

Type  
Price per kg.

70325



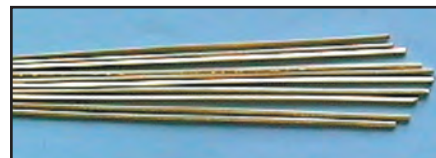
Tin content %	Rods St.	Weight approx. g	70325	...
40	4	250		101
60	4	250		102

## 70327 Brass brazing rods

Type  
DIN EN 1044, CU303, B-CU 60 Zn (Si) (Mn), with flux filling, DIN EN 1045 FH 21.

Use  
For brazing of soft steel, special steel, alloys of copper, bronze, brass, special brass, silver and nickel.

70327



Square bars mm	Collar approx. kg	Working temperature approx. °C	70327	...
2,5 x 2,5 x 500	1	900		101

## 70360 Sal ammoniac soldering stone

Use  
For cleaning soldering tips.

70360



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

## 70365 Soldering fluid

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

Use  
For soft soldering iron, steel, copper, brass, lead and tin plate. Thoroughly wash off any residual flux with warm water.

70365



Contents l	70365	...
0,5		102

## 70385 Soldering fluid bottle

Type  
With safe screw-on-top, resistant to acids and chemicals, stable, empty.

70385



Fill quantity ml	Container colour	70385	...
150	yellow		101

## 70395 Soldering fluid brush

Type  
Sheet metal handle and natural bristles.

70395



Overall length mm	Sleeve width mm	70395	...
120	15		201

## 70400 Heat protection mat

Type  
With a layer of aluminium, asbestos-free

70400



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



**70602 - 70603 Welding and Cutting Torch Sets**

**70602 101**

**Set**  
**Type**  
 - The most commonly used size for welding, warming and cutting  
 - With the acetylene-oxygen flame at temperatures to 3100°C.

**Use**  
**For all industry and trade applications.**

- Contents:**
- Handle piece
  - 6 welding inserts, welding 0,5 - 14 mm
  - Cutting insert with lever, 3 - 100 mm and accessories
  - Wrench
  - Spark lighter

**70602 102**

**Handle piece**  
**Type**  
 - Each has a shut-off valve or regulating valve for oxygen and acetylene  
 - Detachable hose connections for these gases

**Use**  
 For 17 mm shank with cap nut for normal hoses.  
 (Oxygen G 1/4 x LW 6; Acetylene G 3/8LH x LW 9)  
 Used as a receptacle for welding and cutting inserts.

**70603 203**

**Welding inserts**  
**Type**  
 - Work in accordance with the suction or injection principle  
 - Are always operated with an oxygen pressure of 2,5 bar and an acetylene pressure of 0.5 bar to 1 bar  
 - Due to the design they are largely immune to flashback  
 - Marked in accordance with BGV D1 (VBG 15)  
 - Hammered nozzles

**70603 204-205**

**Pipe welding inserts**  
**Type**  
 - Work like welding inserts and are operated with the same pressures  
 - However, the thin copper mixing tube (Ø 6 mm) can be easily bent

**Use**  
 Also suitable for areas that are difficult to access.



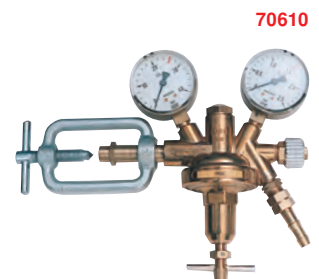
	Nominal range mm	Consumption (l/h)+/- 10%	Length mm	70602	...	70603	...
Set	-	-	-			101	
Handle piece	-	-	-			102	
Welding insert size 7	14,0 - 19,0	1600	315				203
Pipe welding insert size 3	2,0 - 4,0	315	250				204
Pipe welding insert size 4	4,0 - 6,0	500	255				205

**70610 - 70611 Cylinder pressure reducer**

**Type**  
 With pre-pressure and working pressure gauge

**70610**  
**Acetylene pressure reducer**  
**Type**  
 Single stage, steel shackle-type connector, approved under no. 01 D-DE 52 172.

**70611**  
**Oxygen pressure reducer**  
**Type**  
 Single-stage, approved under no. 1 BG 57, for all welding tasks and for cutting to 200 mm.



Cat.-no.	Connection	Outlet inch	Hose connection mm LW	Manometer scale 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	Hex nut G 3/4 inch	G 1/4	6	0/10/16 and 0/200/315	10	200

For	Colour	70610	...	70611	...
Acetylene	yellow			101	
Oxygen	blue				101

Workshop Supplies

## 70620 - 70621 Flashback arrestors

**Use**  
For protecting single cylinders in compliance with TRAC.

**70620**  
**Use**  
For attachment to **pressure reducers**.

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

**70620 102**  
**Type**  
Connections: inlet G 1/4 inch, outlet G 1/4 inch.

**70621**  
**Use**  
For attachment to **torch handle**.

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

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

70620 101



70621 101



70620 102



70621 102



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

## 70625 Pressure gauges DIN 8549

**70625 101-102**  
**Use**  
For oxygen, with scale reading -oxygen-.

**70625 103-104**  
**Use**  
For acetylene, with scale reading -acetylene-.

70625 101



70625 102



70625 103



70625 104



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 protective caps for pressure gauges

**Use**  
Explosion opening in accordance with DIN.

Colour	For manometer Ø mm	70628	...
blue	63		101
rot	63		102
grey	63		103



70628

## 70650 - 70651 Spark lighter

**70650 102**  
**Open-frame spark lighter**  
**Type**  
Painted, with roller.

**70650 103**  
**HHW**  
**Pistol spark lighter**  
Galvanised.

**70651 202**  
**Flints**  
For open-frame spark lighter.

**70651 203**  
**Flints**  
For pistol spark lighter.

70650 102



70650 103



Flint size mm	Flints Pack=pcs.	Lighter		Flints	
		70650	...	70651	...
3 x 20	50		102		202
2,6 x 5	100		103		203

# Autogenous hoses | Welding electrodes

## 70659 - 70661 Autogenous hoses EN 559

**Note:**

Gas cylinder trolley, see cat.-no. 81315. Hose clamps (worm drive hose clips) DIN 3017 see cat.-no. 75062, for hose connectors see cat.-no. 75110.

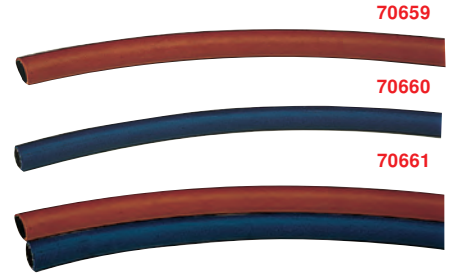
**Type**

Rubber hoses with textile insert of flame-resistant rubber.

**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 span 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

## 70668 Twin hose clamp

**Type**

Plastic twin clamp.

**Use**

For paired holding of autogenous hoses with a diameter of 16 mm Ø.

	70668	...
10 pcs.		101



## 70676 - 70678 Electrode holders EN 60974-11

**70676**

**Electrode holders**

**Type**

Complies with the regulations for the prevention of accidents, fully insulated, impact-resistant and shock-proof, highly heat-resistant, copper alloy lower

section, clamping lever copper alloy, insulation shells made of GRP.

**70678**  
Spare insulation shells.  
Pairs.

for welding devices to ampere	for electrodes to mm Ø	70676	...	70678	...
200	4		101	#	101
300	5		102	#	102
600	6		103	#	103



## 70685 - 70686 Welding electrodes FINCORD and FINCORD S



**70685 - 70686**

**Type**

EN 499, E 421 RR 12, DIN 1913, E 5121 RR6, **thick rutile-coated**, multi-purpose use, excellent welding characteristics, suitable for tacking work. Easy handling, also suitable for inexperienced welders, very smooth welds. Easy ignition and reignition, smooth stable arc.

**70685**  
FINCORD

**Use**

For unalloyed structural steel St 33 up to St 5233 52-3, boiler sheet steel H I, H II, 17 MN 4, tubular steel up to St 52.52.4, St 35.8 up to 17 MN 4, StE 210.7 up to StE 355, cast steel GS-38 up to GS-52.

**Note:**

Approved by TÜV, DB, ABS, BV, DNV, GL, LRS, Controlas.

**70686**

FINCORD S

**Use**

For unalloyed structural steel St 33 up to St 37, St 44, boiler sheet steel H I, H II, tubular steel up to St 37.4, St 35.8, StE 210.7, cast steel GS-38 up to GS-45.

**Note:**

Approved by TÜV, DB.



Dimensions Ø x length mm	Ampere (A)	Pack= pcs.	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	Ampere (A)	Pack= pcs.	FINCORD S	
			70686	...
2,5 x 350	65 - 90	210		202
3,2 x 350	100 - 140	115		203

## 70700

## Welding electrodes OVERCORD



## Type

EN 499, E 380 RC 11, DIN 1913, E 4322 R (C) 3, **rutile-cellulose-coated**, multi-purpose electrode for assembly, workshop and repair welding, especially suited for falling welding position. Good crack-covering property. Suitable for tacking work, galvanised, Good crack covering capability. Suitable for tacking

work, galvanised, primed and rusted parts. Assembly work in any position with continuous amperage. Assembly work in any position with continuous amperage.

## Use

For unalloyed structural steel St 33 up to St 52-3 boiler sheet steel H I, H II, 17 Mn 4 tubular steel up to St 52.4, St 35.8 up to 17 Mn 4, StE 210.8 up to StE 360.7 TM, and the respective TM qualities, fine-

grain structured steel WStE 255 up to WStE 355, shipbuilding steel A,B, D, E, cast steel GS-38 up to GS-52.

## Note:

Approved by TÜV, DB, ABS, BV, DNV, GL, LRS, Controlas.

Dimensions Ø x length mm	Ampere (A)	Pack= pcs.	70700	...
2,5 x 350	60 - 85	275		201
3,2 x 350	90 - 130	160		202



70700

## 70705

## Welding electrodes SPEZIAL



## Type

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**. Multi-purpose electrode for assembly, workshop and repair welding. Smooth and clean welds with groove-free link to basic material. Very good crack-covering property. The electrode's double-coating provides a stable and accurate arc, therefore good

welding performance in root and narrow positions. Welds are x-ray-safe.

## Use

For unalloyed structural steel St 33 up to St 52-3 boiler sheet steel H I, H II, 17 Mn 4 tubular steel up to St 52.4, St 35.8 up to 17 Mn 4, StE 210.8 up to StE 360.7 TM, and the appropriate TM-Quality, fine grit structured steel WStE 255 up to WStE 355, shipbuilding steel A,B, D, E, cast steel GS-38 up to GS-52.

## Note:

Approved by TÜV, DB, ABS, BV, DNV, GL, LRS, Controlas.

Dimensions Ø x length mm	Ampere (A)	Pack= pcs.	70705	...
2,5 x 350	60 - 90	200		101
3,2 x 350	95 - 150	125		102



70705

## 70710

## Welding electrodes CITOREX



## Type

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, especially suitable for welding tube roots and in narrow positions in pipe, boiler and container construction. Suitable for bath-safety during UP-welding. Thanks to the low Si-content, most suitable for follow-up galvanizing.

## Use

For unalloyed structural steel St 33 up to St 52-3 boiler sheet steel H I, H II, 17 Mn 4 tubular steel up to St 52.4, St 35.8 up to 17 Mn 4, StE 210.8 up to StE 360.7 TM, and the appropriate TM-Quality, fine grit structured steel WStE 255 up to WStE 355, shipbuilding steel A,B, D, E, cast steel GS-38 up to GS-52

## Note:

Approved by TÜV, DB, ABS, BV, DNV, GL, LRS, Controlas.

Dimensions Ø x length mm	Ampere (A)	Pack= pcs.	70710	...
2,5 x 350	70 - 90	210		101
3,2 x 350	100 - 150	130		102



70710

## 70715 - 70720

## Welding electrodes SUPRANOX



## Type

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

## Type

Similar material 1.4316. Rod electrode for stainless, austenitic chrome-nickel-steel/-cast steel with a low content of carbon and stainless and/or heat-resistant chrome steel and cast steel. For operating temperatures to + 350°C, scale-resistant to 800°. Fine drop material link, good coverage of weld edges, fine welding seam surface, easy release of slag. Easy ignition and reignition.

## Use

For high-alloyed steel e.g. 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 by TÜV, DB, UDT.

## 70720

## SUPRANOX 316 L

## Type

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

## Use

For high-alloyed steel e.g. 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 by TÜV, VDT, DB, GL.

Supranox Dimensions Ø x length mm	Ampere (A)	Pack= pcs.	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) / 115 (316 L)	#	102	#	102



70715





70722 - 70724 Tungsten electrodes

70722

Type

**No radiation whatsoever.** Lanthanised electrodes. Very fine and even distribution of the lanthanum oxide both across the cross section and the length. Very fine and even distribution of the lanthanum oxide both across the cross section and the length. This ensures a high repeatability of the welding results.

70724

Use

For welding light metal and corresponding alloys. Can be operated with alternating current or with direct current at small outputs.

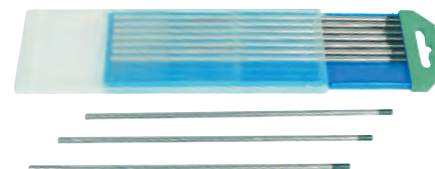
Ø mm	Length mm	Pack= pcs.	Type Gold	Type W/99.99% green
			70722	70724
1,6	178	10	102	102
2,4	178	10	103	103



70722



70724



70725 Tungsten electrode grinding device

70725 101

TURBO-SHARP® X

Type

Fully encapsulated housing in order to protect from dangerous swarf. Diamond grinding wheel: 3-fold adjustment of the grinding wheels by means of adapter ring for utilisation of both sides of the grinding wheels and 6 different uses. Multi-purpose cover with integrated slider for the planing and grinding of electrodes or to create cone-shaped electrodes (perfect for welding aluminium). Can be connected on existing extraction systems. Optional orbital set, suitable for grinding tungsten electrodes up to max. 15 mm length.

70725 102

Spare grinding disc

Type

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

Use

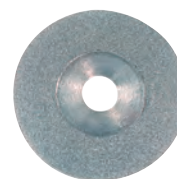
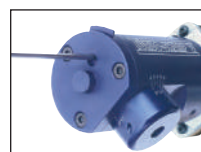
For tungsten electrode grinding device cat.-no. 70725 101.

Set contents	
1	grinding device with grinding wheels
1	multi-function cover
1	mounting bracket for stationary use
1	standard head for electrodes Ø 1,6 / 2,0 / 2,4 / 3,2 mm,
1	extraction fitting for connection to an extraction system
1	Spannfix clamp holder size 1
1	assembly tool and operating manual.

Type	Type	Grinding angle variable	70725	...
Grinding device	in metal case	20°-60°	101	
Spare grinding wheel	-	-	102	



70725 101



70725 102

70730 - 70735 Welding wire for MIG/MAG inert gas welding devices

Type

Welding wire as wire electrodes on basket reel.

70735

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

70730

Copper-plated, SG 2.

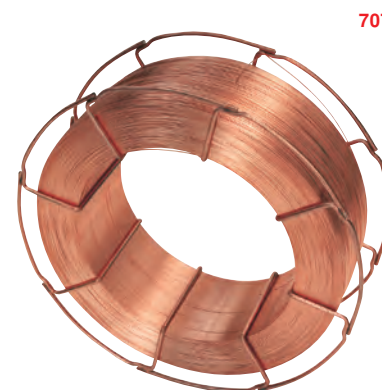
Use

For stainless steel A2.

Use

For unalloyed and low-alloyed steel.

Ø mm	Weight kg	Type	Unalloyed steel		V2A	
			70730	...	70735	...
0,8	15	to Wire reel	201	#	201	
1,0	15	to Wire reel	202	#	202	



70730

70750 Arc welder's hammer DIN 5133

Type

With steel tube handle.

Weight approx. g	70750	...
430		101



70750



70753

## Welder's hammer



## Type

With ashwood handle, vertical cutting edge and pointed tip.

Weight approx. g	70753	...
	330	101



70753

70754

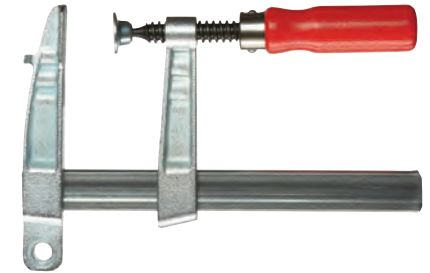
## Pole welding clamp



## Type

Clamp arms, malleable cast iron with pole connection bore, 10.5 mm for electrical earth cable, with wood handle.

Span width x projection mm	Steel rail mm	max. power load Ampere	70754	...
150 x 80	25 x 6	400		201



70754

70755

## Welding magnetic clamps

## Type

With clamp connection for electrical earth cable.

for welding devices to ampere	for cable cross sections mm <sup>2</sup>	70755	...
400	35 - 50		102
600	50 - 70	#	103



70755 102



70755 103



www.atorn.de

## Performance requires quality.

For example, with the video measurement microscope from ATORN.

- Universal implementation possibilities
- With motorised zoom lens 0.7x to 4.5x
- Intuitive software operation via touch screen PC

**ATORN®**  
Performance requires quality.



70760 - 70762 Clamp elements for welding tables TWV + TW



Einfach besser.

70760 - 70761

Clamp elements for welding tables TWV + TW

Type

- Precise positioning, individual clamping
- Annealed profile and slide bracket for spring-supported and elastic clamping
- Variable projection adjustment
- **TWV** with variable projection

Use

For tasks on welding tables with 28 mm holes.

70760 101-103

Type

- High-quality 2-component handle
- T-handle with rounded ends
- With easy motion trapezoidal thread spindle
- Pressure plate can be changed without tools

70761 101-103

Type

- Lever handle with lock mechanism
- Dosed, fast and low-vibration clamping

70762

Variable table clamp attachment TW28VAD

Type

- With bolts for fast alignment and fixation of the workpiece on the welding table

Use

Adaptation particularly on round, oval and angled workpieces.

Variable angle adjustment from 60° inside to 60° outside.



TW28VAD



70762

70760 101-102



70760 103



70761 101-102



70761 103



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

70803

Metal angle clamp



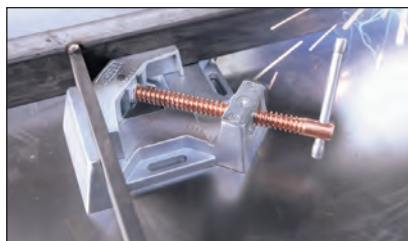
Einfach besser.

Type

Jaws and basic body made of high-quality cast iron, with 2 slotted holes for clamping on machine tables. Copper-plated spindle prevents adhesion of welding beads.

Use

Suitable for all-round precision clamping and aligning. For holding, fixing and aligning different-sized pipes and sections of different sizes at right angles.



70803



Jaw height x -Length mm	max. passage mm	max. span 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 block link**

**Type**

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

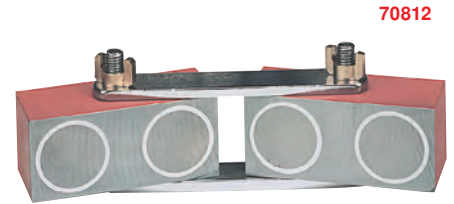
**Use**

Welding support for holding sheet metal, flat and profiled strips. Thanks to the small dimensions, particularly suited for tasks in the most confined spaces.

**Note:**

Also for single use!

L x H x H (single block) mm	Length approx. mm	Holding force to max. kg	70812	...
60 x 25 x 25	130	per block 10		201



70812

**70819**

**Permanent magnetic welding clamp**

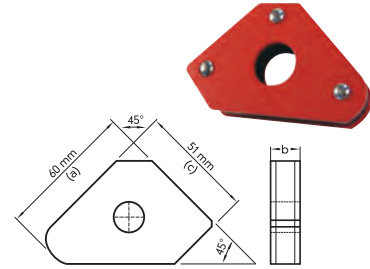
**Type**

Fixed, 45° and 90°. Light-duty version. High clamping force, not sensitive to welding temperatures, fully shielded magnetic system. Pack = 1 pairs.

**Use**

For effective clamping of parts to be welded.

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



70819

**70820 - 70822**

**Magnetic welding clamps**

**Use**

For effective clamping of parts to be welded.

**70820 201-202**

**Type**

Fixed, 45° and 90°. Light-duty version. High clamping force, not sensitive to welding temperatures, fully shielded magnetic system.

**70822 201**



**Type**

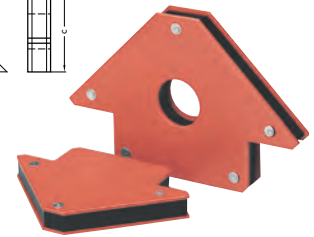
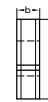
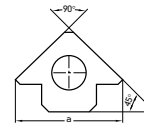
Small, for angles of 45° and 90°, with magnet that can be deactivated. This guarantees that the magnet stays free of chips and can be attached to the workpiece with even greater ease. The magnet has bores to facilitate connection to workpieces (e.g. by means of threaded rods)

**70822 202**



**Type**

Large, for angles of 45° and 90°, with magnet that can be deactivated. This guarantees that the magnet stays free of chips and can be attached to the workpiece with even greater ease. The magnet has bores to facilitate connection to workpieces (e.g. by means of threaded rods)



70820



70822

Dimensions a x b x c mm	Holding force approx. kg	Weight approx. kg	70820	...	70822	...
120 x 15 x 82	-	-		201		
160 x 20 x 100	-	-		202		
95 x 110 x 100	31,0 - 36,0	0,7				201
130 x 150 x 140	54,0 - 63,0	1,4				202

**70829**

**Welder's safety goggles**



**Type**

100 % UV-shield, scratch-proof and anti-fog. Frame of elastic nylon. Earpiece length and inclination are individually adjustable for precise fit. Tested in compliance with EN 166-168.

**Note:**

Goggles are not suitable for arc welding.

Protection class DIN	Frame colour	70829	...
5	blue-red	#	101



70829



70835

Welder's safety goggles

**uvex®**

futura 9180

Type

Ergonomically designed, lightweight safety goggles with very large viewing area. Unrivalled sealed seat thanks to an outstanding fit. uvex duo-flex frames ensure the highest level of wear comfort. Precisely adjustable frame inclination, earpiece length individually adjustable in 4 increments, with built-in safety pull stop. The green polycarbonate lenses are exchangeable.

70835



Protection class DIN	Frame colour	70835	...
5	black	#	101
6	black	#	102

70836

Welder's safety goggles

**Honeywell**

70836 101

Use

For light-duty torch-cutting tasks

70836 102

Use

For welding, brazing and torch cutting.

70836 101



70836 102



Protection class DIN	View panel Tinting	70836	...
3	green, scratch-resistant	#	101
5	green, scratch-resistant	#	102

70838 - 70839

Aluminium safety goggles EN 166/169



70838

Type

Athermal, shatter-proof lenses 50 mm Ø, replaceable through ring nut. Ventilation opening in the capsules, leather bridge, adjustable rubber head band, 10 mm wide, foam rubber edges.

Use

Protection class 5A DIN = for all gas-welding tasks.

Note:

Goggles are not suitable for arc welding.

70838



70839



Safety goggles		70838	...	70839	...
Protection class DIN					
5			102		102

70841

Wear-over goggles for welders

**uvex®**

Type

Fits on top of all glasses. Unrestricted side view thanks to super-panorama panel with 180° vision range. Outstanding pressure-free seat, effective indirect ventilation through special earpiece construction with optimum lateral protection. Earpiece ends length-adjustable in 4 increments, maximum wear comfort.

Note:

Goggles are not suitable for arc welding.

70841



Protection class DIN	70841	...
1,7		101
4		102
5		103
6		104

**70851 - 70853**

**Arc welder's protective shields EN 166/175**

**Type**  
W/o. lenses. Made of ABS-polyethylene  
PE or glass-fibre polyester.  
**Use**  
For replaceable athermal lenses  
90 x 110 mm and non-tinted cover lenses.

**70853**  
**Helmet.**  
**Type**  
Swivels over head, variably adjustable,  
head frame with sweat band.

**70851**  
**Protective shield.**  
Offset shape.

Type	Protective shield		Head shield	
	70851	...	70853	...
ABS polyethylene PE		101		101
Glass fibre polyester		102	#	102



**70855 - 70857**

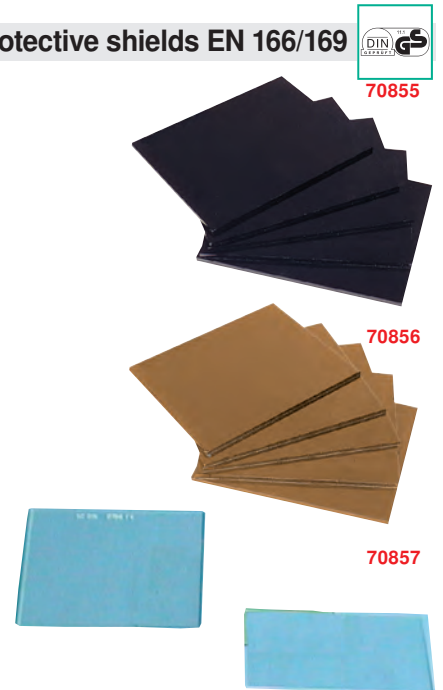
**Athermal lenses and cover lenses for arc welder's protective shields EN 166/169**

**Type**  
DIN 4646 - 4647.  
**Use**  
For arc welder's protective shields  
cat.-no. 70851 - 70853.

**70855**  
**Protective lenses.**  
90 x 110 mm.

**70856**  
**Protective lenses, gold-mirrored**  
90 x 110 mm.

**70857**  
**Cover lenses.**  
Non-tinted.



Protection class DIN	Size mm	Image	Normal		Mirrored		Non-tinted	
			70855	...	70856	...	70857	...
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 Supplies



70860

Speedglas™ 100 welder's protective mask with automatic welding filter

**Speedglas®**

70860 301

Welder's protective mask Speedglas™ 100

**Type**

Permanent protection against UV and IR radiation, whether the filter is in light or dark mode and whether the automatic shading function is active. Three selectable sensitivity levels for reliably detecting the electric arc. Five different shade levels: 8-12. Selectable lightening delay (100-250 ms). Outstanding view properties in light state level 3 for easy welding preparation and rework. Many adjustment options for maximum comfort of the mask, the head band, and the welding filter. **The product is in conformance with European standards EN 175, EN 166, EN 169, EN 379.**  
**Scope of supply:**  
 Protective helmet 100V, with headband, automatic welding filter 100V DIN 8 - 12, 1 ea. inner and outer non-tinted polycarbonate cover panel, 2 lithium 3-volt batteries (CR 2032).

**Use**

The Speedglas™ 100 welder's protective mask was developed to be used during most welding projects, such as electrode welding, plasma welding, TIG welding, MIG/MAG welding. It can also be used for grinding tasks.

**Note:**

Spare batteries see cat.-no. 39900 102.

**70860 302**

**Automatic welding filter 100V**

Five adjustable shade levels (8-12), light level (3). Additionally three sensitivity levels for a high-quality adaptation to different welding conditions. Level 1, if other welders are working in the direct vicinity, level 2, as standard setting for most welding procedures, level 3 for TIG welding.

**Use**

For welding mask cat.-no. 70860 301.

**70860 303**

**Inner cover panels**

**Type**

42 x 90 mm. Pack = 5 pcs.

**Use**

For welding mask cat.-no. 70860 301.

**70860 304**

**Outer cover panels**

**Type**

Standard. Pack = 10 pcs.

**Use**

For welding mask cat.-no. 70860 301.

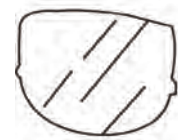
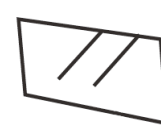


70860 301

70860 302

70860 303

70860 304



	Lightening time dark-to-light ms	Response time light-to-dark ms	Field of vision mm	Shade level Protection class	Light level Protection class	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 cover panel (5 pcs.)	-	-	-	-	-	#	303
Outer cover panel (10 pcs.)	-	-	-	-	-	#	304

70861

Welding mask 9100V/9100X/9100XX

**Speedglas®**

70861 101-103

Speedglas welder's mask 9100V/9100X/9100XX

**Type**

Permanent protection (conforms with protection class 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. Outstanding view properties in light state level 3 for easy welding preparation and rework. Welding filter with three optical sensors. Many adjustment options for maximum comfort of the mask, the head band, and the welding filter. Compatible with the 3M maintenance-free respiratory protection masks for welding tasks. 2 lithium 3-volt batteries (CR 2032). **The product is in conformance with European standards EN 175, EN 166, EN 169, EN 379.**

**Use**

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

**Note:**

Spare batteries see cat.-no. 39900.

**70861 104-106**

**Automatic welding filters 9100V/9100X/9100XX**

**Type**

Response time light - dark 0,1 ms (+23°C). UV/IR protection, protection class 13 (permanent). Light level protection class 3. Shade level protection level 5, 8, 9-13 (variable). Head size 50-64. Solar-supported power supply (for 9100V and 9100X). 2 lithium 3-volt batteries (CR 2032).

**70861 107**

**Inner cover panel for 9100V**

117 x 50 mm. Pack = 5 pcs.

**70861 108**

**Inner cover panel for 9100X**

117 x 61 mm. Pack = 5 pcs.

**70861 109**

**Inner cover panel for 9100XX**

117 x 77 mm. Pack = 5 pcs.

**70861 110**

**Outer cover panel**

Standard. Pack = 10 pcs.

**70861 111**

**Balaclava**

**70861 112**

**Sweat band**

Pack = 3 pcs.

70861 104

70861 101-103



70861 105



70861 106



70861 107-109

70861 110



	Field of vision 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 cover panel 9100V (5 pcs.)	-	#	107
Inner cover panel 9100X (5 pcs.)	-	#	108
Inner cover panel 9100XX (5 pcs.)	-	#	109
Outer cover panel (10 pcs.)	-	#	110
Balaclava	-	#	111
Sweat band (3 pcs)	-	#	112

**Speedglas®**

70859 100

**Respiratory system ADFLO FlexView****Type**

3M Speedglas 9100X FX Air welder's mask with 3M Adflo blower- respiratory protection system now with improved respiratory protection - TH3! Welder's protection helmet as complete combination of respirator and automatic welding filter 9100X, protection level 5,8,9-13 and a 17 x 10 cm clear visor for preparation and rework The ADFLO turbo system is worn on a leather belt and contains the electronically-controlled filter device with battery, pre filter and particle filter and air tube from ADFLO turbo system to protection helmet Protection helmet polyamide, colour black/silver with 50% larger viewing area, replaceable welding protection filter cartridge which can be set to the pre-defined protection level photocell-controlled when igniting the arc photocell-controlled, with the initial level protection level 3 Auto-darkening per protection level takes 0.1 ms After the welding work is complete, the filter returns to the bright state again Side windows can be covered with the supplied foil. Power supply: solar cells and batteries. If the battery or electronic system fails, the filter will set to protection level 5

**Scope of supply:**

Automatic welder's helmet with FlexView function 9100X with welding protection filter cassette with 2 Lithium 3-volt batteries (CR 2032) ADFLO turbo system on belt, rech. battery, QRS hose, electronic battery charger, air flow meter, storage bag.

**Note:**

Spare batteries see cat.-no. 39900 102.

70859 106

**Particle filter****Type**

Level P (SL).

**Use**

For Adflo system

70859 107

**Pre-filter****Type**

Pack = 5 pcs.

**Use**

For Adflo system

70859 108

**Panorama lens****Type**

Pack = 5 pcs.

**Use**

For 9100 FX

**Note:**

Additional accessories, see cat.-no. 70861 108 and 70861 110.



70859 100



Type	Switching time light-to-dark ms	Switching time dark-to-light ms	Field of vision mm	Shade level Protection class	Light level Protection class	70859	...
9100 FX/ADFLO	0,1	40-1300	54 x 107	5,8,9-13	3	#	100
Particle filter	-	-	-	-	-	#	106
Pre-filter	-	-	-	-	-	#	107
Panorama lens f. 9100 FX	-	-	-	-	-	#	108

**70863 - 70864****Automatic welders protective mask**

70863 201

**Type**

Certified and tested in accordance with European quality standards. EN 379 for the anti-glare cassette and EN 175 for the helmet shell. The ergonomic helmet shape ensures fatigue-free work. Modern design, comfortable headband, very stable housing, cassettes (90 x 110 x 6 mm) and cover lenses easily exchangeable. Field of vision 38 x 94 mm. Max UV/IR protection at each state of the cassette. Thanks to solar energy, an on/off switch or exchanging batteries are no longer needed. The opening time controller enables convenient adaptation of the switching time from dark to light status The sensor bar eliminates negative effects of the ambient light. It can be taken off, should problems arise during work. Colour: black.

**Use**

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

**Caution: Not suitable for TIG, autogenous and laser welding.**

70864 101

**Cover lenses****Type**

90 x 110 mm. Pack = 10 pcs.

**Use**

For welder's protective mask cat.-no. 70863.

70864 102

**Headband****Type**

Terry cloth, black, self-adhesive.

**Use**

For welder's protective mask cat.-no. 70863.



70863

70864 101

70864 102

	Adjustment range	Protection class manual	70863	...	70864	...
Welding mask	4/9 - 13	9 - 13		201		
Cover panels	-	-			#	101
Forehead sweat band	-	-				102



**70865 - 70867 Metal welding and inspection mirror**

**Type**  
 - Mirror, chrome-plated  
 - approx. 1,0 mm thick

**70865**  
**Type**  
 - Can be turned in all directions  
 - With wire handle

**70866**  
**Type**  
 - With magnetic clamp  
 - Arm is flexible, unbreakable, bolted  
 - approx. 400 N holding force

**70867**  
**Spare mirror**  
**Use**  
 For cat.-no. 70865 und 70866.



70865



70866

		70865	...	70866	...	70867	...
Mirror	-	101		101			
Spare mirror	10 pcs.					101	

**70875 - 70878 Welder's protection clothing**

**70875**  
**Welder's apron**  
 - Size approx. 80 x 100 cm  
 - Grade A split cowhide,  
 - Sturdy bend leather strapping

**70876**  
**Welder's groves (pair)**  
 - Combined  
 - Full leather palm  
 - Back of hand and cuff split leather  
 - CE cat. 2, stronghand®  
 - Standard DIN EN 12477  
 - Type A  
 - Length approx. 35 cm  
 - Size 10

**70877**  
**Welder's gloves Argon (pair)**  
 - Full Napa leather  
 - Inserted 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

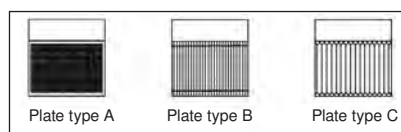
**Info**

Provides accessories for all areas of welding technology.



**Welding smoke exhausting systems**  
 For pure air at the workstation as well as dust extraction devices

- Extracting and filtering-out welding gases, that occur through welding tasks in metalworking firms.
- Extraction and filtering out smoke that forms when processing plastics.
- Extraction and filtering out fumes (no watervapours), that occur with casting tasks.



**Welding tables**

- available with different types of table tops e.g.
- 4 mm perforated sheet steel (plate type A),
  - edge-on bar grate (plate type B),
  - exchangeable cast iron grate bars (plate type C) or with
  - round, rotating tabletop

As additional accessories, tables with integrated radial fan, integrated motor and integrated changeover device, for downward extraction through the tabletop, or upward extraction through pivoting and height-adjustable suction funnel, are available. Special equipment, accessories like slag box, glare protection, gas regulator, motor protection switch etc. are also available.

