



2019

INDUSTRIAL SAFETY / WORKWEAR



Innovation is our mission!



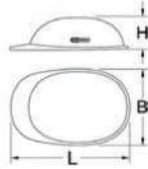
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HEAD PROTECTION

Work protective hardhat

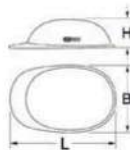
- DIN EN 397
- PP case
- 4-point suspension
- Buckle adjustment
- Lateral space for accessories
- Shock absorption (<5kn)
- Extremely flammable (>5 s)
- Temperature resistant (> -10 < 50)



Colour code	L mm	B mm	H mm	Weight
985.0021	265,0	225,0	160,0	330

Work protective hardhat

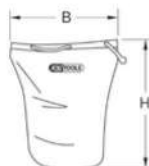
- DIN EN 397
- Special plastic



Colour code	L mm	B mm	H mm	Weight
117.1608	290,0	225,0	175,0	370
117.1609	290,0	225,0	175,0	370
117.1610	290,0	225,0	175,0	370

Carrying bag for work helmet

- Made out of red leather
- With carrying strap



B mm	H mm	Weight	
117.1612	500,0	480,0	500



EYE PROTECTION

Visor

- DIN EN 166
- Frame made from aluminium
- Visor material: PC
- Suitable for standard safety helmets
- Frame made from aluminium
- Size adjustment takes place using spring strip



Total depth mm	Weight	
985.0024	200,0	280

Electrician's face shield

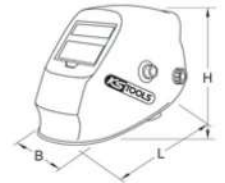
- DIN EN 166
- Fault arc tested to DGUV GS-ET-29, test level W(LBP) = 318 kJ (corresponds to prospective test short-circuit current 7 kA/0.5 s) EN 166
- Personal eye protection equipment
- Also fault arc tested to ASTM F2178, ATPV: 7.0 cal/cm²
- Colour rendering index > 90%
- Colour rendering index > 90%
- Suitable for standard electrician's hardhat
- Suitable for standard electrician's hardhat
- Anti-mist protective gel supplied



Arc fault	Weight	
117.1796	class 2	525

Welders protective helmet

- Turns fully automatically from bright after dark as soon as the light arch is ignited
- Due to high quality solar cells battery replacement is no longer require
- Equiped with a sensitivity and delaying switch for switching between dark and light to prevent welders blindness when welding at high amp capacity
- Quick switching is possible when changing from seam to spot welding
- Selection switch for reaction time
- Robust multi positional head band
- Complete neck protection
- Face protection to EN 175 / eye protection to EN379 1/2/1



Technical data:

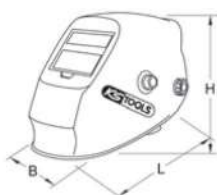
- Switching timed: 1/25,000 s
- 0.6 s delay
- Window: 98 x 40 mm (3,7/8" x 1,5/8")
- Cassette size: 110 x 90 x 9 mm (4,3/8" x 3,1/2" x 0,35")
- Power requirement: lithium battery + solar cells
- UV / IR protection: according to EN169 / to DIN 16
- Colour selection: varible adjustment from DIN 9-13 standard light adjustment DIN 3 (4)
- Working temperature: -5° to +55°C
- Storage temperature: -20° up tp +70°C

L mm	B mm	H mm	Weight	
310.0180	330,0	200,0	200,0	830



Welders protective helmet with integrated headlamp

- Ideal for dark work areas where poor light conditions are given
- Turns fully automatically from bright after dark as soon as the light arch is ignited
- Due to high quality solar cells battery replacement is no longer require
- Equiped with a sensitivity and delaying switch for switching between dark and light to prevent welders blindness when welding at high amp capacity
- Quick switching is possible when changing from seam to spot welding
- Selection switch for reaction time
- Robust multi positional head band
- Complete neck protection
- Face protection to EN 175 / eye protection to EN379 1/2/1
- 3 Watt CREE Chip Power LED
- Luminous flux 100 Lumen
- up to 100 m light range
- Zoom from spot to flood light
- with multifunctional-button: 1W / 3W / Blink
- Lamp can be additionally tilted in 5 click stops
- Weatherproof protection IPX3
- 3 hours lamp duration
- Includes 3 x AAA 1,5V batteries



Technical data:

Switching timed:	1/25,000 s 0.6 s delay
Window:	98 x 40 mm (3.7/8" x 1.5/8")
Cassette size:	110 x 90 x 9 mm (4.3/8" x 3.1/2" x 0,35")
Power requirement:	lithium battery + solar cells
UV / IR protection:	according to EN169 / to DIN 16
Colour selection:	variable adjustment from DIN 9-13 standard light adjustment DIN 3 (4)
Working temperature:	-5° to +55°C
Storage temperature:	-20° up to +70°C
Headlight range:	max. 100,0 m
Luminosity:	3 W

	L mm	B mm	H mm	Weight
310.0185	330,0	200,0	200,0	575



Glasses - orange with ear plugs

- orange-tinted glasses
- compensates for rapid light and shade change
- Suitable for long duration usage
- With UV protection
- Sporting design
- Extremely substantial frame
- Offer protection in machining operations
- Optimal design
- Polycarbonate lens
- Ear plugs with cord included
- CE / EN 352-2
- Ear plugs made from 100% PU
- Sound level reduction: 33 dB



Product Code	Description	Weight
310.0161	Glasses - orange with ear plugs	30

Glasses - yellow with ear plugs

- Yellow shading to increase contrast
- Suitable for long duration usage
- With UV protection
- Sporting design
- Extremely substantial frame
- Offer protection in machining operations
- Optimal design
- Polycarbonate lens
- Ear plugs with cord included
- CE / EN 352-2
- Ear plugs made from 100% PU
- Sound level reduction: 33 dB



Product Code	Description	Weight
310.0166	Glasses - yellow with ear plugs	30

Glasses - black with ear plugs

- Glasses grey tinted
- Suitable for long duration usage
- With UV protection
- Sporting design
- Extremely substantial frame
- Offer protection in machining operations
- Optimal design
- Polycarbonate lens
- Ear plugs with cord included
- CE / EN 352-2
- Ear plugs made from 100% PU
- Sound level reduction: 33 dB



Product Code	Description	Weight
310.0171	Glasses - black with ear plugs	30

Glasses - transparent with ear plugs

- Glasses clear
- Suitable for long duration usage
- With UV protection
- Sporting design
- Extremely substantial frame
- Offer protection in machining operations
- Optimal design
- Polycarbonate lens
- Ear plugs with cord included
- CE / EN 352-2
- Ear plugs made from 100% PU
- Sound level reduction: 33 dB



Product Code	Description	Weight
310.0176	Glasses - transparent with ear plugs	30

Glasses - transparent

- EN 166
- Practical for spectacle wearers
- With ventilation holes for clear visibility
- With firm frame
- With ear clip
- Polycarbonate lens



Product Code	Description	Weight
310.0110	Glasses - transparent	45

Goggles with elastic headband - transparent

- EN 166
- Practical for spectacle wearers
- With ventilation holes for clear visibility
- Adjustable elastic band
- With soft PVC frame
- Polycarbonate lens



Product Code	Description	Weight
310.0120	Goggles with elastic headband - transparent	75

Goggles with elastic headband - transparent with ventilation

- CE EN 166
- With 4 vent holes
- Practical for spectacle wearers
- With ventilation holes for clear visibility
- Adjustable elastic band
- With soft PVC frame
- Polycarbonate lens



Product Code	Description	Weight
310.0112	Goggles with elastic headband - transparent with ventilation	75

EAR PROTECTION

Ear plugs PU, without cord

- 20 pairs
- CE / EN 352-2
- Made from 100% PU
- Without cord
- Sound level reduction: 33 dB



Content		
985.7050	20 pairs	550

Ear plugs PU, with cord

- 20 pairs
- CE / EN 352-2
- Made from 100% PU
- With cord
- Sound level reduction: 33 dB



Content		
985.7051	20 pairs	50

Ear plugs PU, with cord and mushroom head

- 20 pairs
- CE / EN 352-2
- Made from 100% PU
- With cord
- With mushroom head
- Sound level reduction: 33 dB



Content		
985.7055	20 pairs	80



Padded ear defenders with headband - red

- CE / EN 352-1
- With adjustable and padded ear shells for comfortable wear
- Ear shells with stepless fast adjustment
- Sound level reduction: 19 dB



Content		
310.0130	Padded ear defenders with headband - red	200

Padded ear defenders with headband - blue

- CE / EN 352-1
- With adjustable and padded ear shells for comfortable wear
- Ear shells with stepless fast adjustment
- Sound level reduction: 25 dB



Content		
310.0131	Padded ear defenders with headband - blue	181

Electronic padded ear protection with headband - black

- With integrated microphone
- protects against continuous noise and impulse noise up to 85 dB
- Perception of warning signals through microphone possible
- Volumes regulation through adjusting button



Content		
310.0135	Electronic padded ear protection with headband - black	250

WELDING PROTECTION

Welding coat

- Double leather closure, front
- With hook and loop fastener
- Adjustable cuffs
- Lined collar and with hook and loop fastener for additional protection
- Inner pocket



Content		
985.7000	L	1,80
985.7001	XL	1,80
985.7002	XXL	1,82
985.7003	XXXL	1,82

Welding apron

- Made from leather
- Adjustable in length
- Size of the waist adjustable
- Breast pocket



		L mm	Content
985.7019	L	910,0	775
985.7020	XL	1080,0	775



Leather sleeves

- Dark brown
- Made from leather
- Ends with elastic band



	L mm	Content	Icon
985.7021	400,0	2	320

Leather sleeves

- Light brown
- Made from leather
- Ends with elastic band



	L mm	Content	Icon
985.7022	400,0	2	335

Welding leather gloves

- Made from leather
- Good, comfortable wear
- Can be used for applications with heat
- With open sleeves



	Size mm	Icon
985.7034	8	365
985.7035	9	365
985.7036	10	365
985.7037	11	365

Welding leather gloves, long

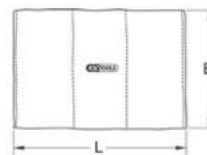
- Made from leather
- Extra long
- Good, comfortable wear
- Can be used for applications with heat
- With open sleeves



	Size mm	Icon
985.7038	8	495
985.7039	9	495
985.7040	10	495
985.7041	11	495

Flame proof mats

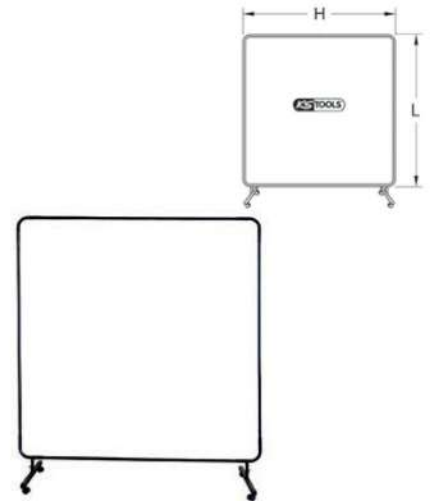
- Asbestos free
- Reduced fire risk
- Very flexible
- Good formability



	B mm	L mm	max °C	Icon
610.3350	330,0	500,0	700	330
610.3351	460,0	800,0	700	650
610.3399	1500,0	2000,0	600	2110

Frame for welding protection screen

- Very stable frame made from steel tubing
- With direct rolls
- With 360° swivel joint



	L mm	H mm	Icon
985.7026	1780,0	1780,0	4,50

Welding protection awning

- Resistant against UV rays, flames and wear
- Edges with eyelets at 30cm intervals
- Without frame



	Colour code	L mm	H mm	Icon
985.7027	Orange	1740,0	1740,0	1,72
985.7028	Red	1740,0	1740,0	1,72
985.7029	Black	1740,0	1740,0	1,72



Specifications and rules for hand protection

In order to find the correct protective glove safely and quickly which is suitable for your work area, our products are divided into categories. This means you can find the glove that meets your requirements reliably:

I - low risk of injury

basic, mechanical protection against welding, fingerprints, etc.

II - specific risk of injury

excellent protection against mechanical exposure

III - irreversible damage and risk to life

highest protection against chemical, bacterial, thermal and static exposure



Fully adequate chemical protection (EN 374)



Basic chemical protection (EN 374)

for waterproof gloves with low protection against chemical substances



Protection against the cold (EN 511)



Protection against mechanical dangers (EN 388)

applies for the following physical and mechanical exposure:



Protection from heat and fire (EN 407)

• Wear resistance

number of cycles required for the glove to wear through

• Cut resistance

number of cycles required to cut through the glove

• Tear resistance

force required to rip through the glove

• Penetration resistance

force required to puncture the glove



Protection from ionising radiation (EN 421)



Protection from radioactive contamination (EN 421)



Bear the information brochure in mind (EN 420)



Suitable for processing foodstuffs

Vinyl single-use gloves, blue

- Only for use with minimal risks
- Made from vinyl
- With powder coating
- Very comfortable design and fit
- Supple and comfortable
- Can be used for applications with foodstuffs, in hospitals and in laboratories



	Size mm	Content	
310.0465	7	100 pcs	0,80
310.0466	8	100 pcs	0,90
310.0467	9	100 pcs	1,00
310.0468	10	100 pcs	1,10

Micro fine woven gloves - white

- CE / EN 388 [1131]
- Very comfortable design and fit
- Especially breathable fabric
- With PU reinforced gripping palm
- Ideal for working with small parts
- Printed logo



	Size mm	Content	
310.0450	9	12 pair	385
310.0455	10	12 pair	435
310.0460	11	12 pair	482

Micro fine woven gloves - black

- CE / EN 388 [1131]
- Very comfortable design and fit
- Especially breathable fabric
- With PU reinforced gripping palm
- Ideal for working with small parts
- Printed logo



	Size mm	Content	
310.0470	9	12 pair	398
310.0475	10	12 pair	430
310.0480	11	12 pair	445

Gloves

- CE / EN 388 [3142]
- Glove exterior surface made from polyester
- Glove interior made from nitrile
- Very comfortable design and fit
- Especially breathable fabric
- Good to wear



	Size mm	U
310.0416	8	60
310.0417	9	65
310.0418	10	70

Gloves

- CE / EN 388 [2142]
- Made from nitrile
- With silicone gel padding in the palm area
- Good to wear
- With elasticated wrists



	Size mm	U
310.0431	8	60
310.0432	9	65
310.0433	10	70



Gloves, cut resistant

- CE / EN 388 [4343]
- With PU coating
- Especially cut resistant
- Ideal for working with small parts
- Very comfortable design and fit
- With elasticated wrists
- With hook and loop fastener



	Size mm	U
310.0441	8	60
310.0442	9	65
310.0443	10	70

Gloves, extremely cut resistant

- CE / EN 388 [3542]
- Glove exterior with PU coating
- Glove interior made from glass fibre
- Touchscreen-capable coating for operating smartphones and tablets
- Extremely cut resistant
- Ideal for working with small parts
- Very comfortable design and fit
- Good to wear
- With elasticated wrists



	Size mm	U
310.0446	8	100
310.0447	9	110
310.0448	10	125

Chemical protection gloves

- CE / EN 388 [4232] / EN 374 GKL
- Made from nitrile
- Lined with jersey
- Can be used for heavy and dangerous work
- Suitable for work with chemicals, oils and greases
- With open sleeves



	Size mm	U
310.0421	8	140
310.0422	9	155
310.0423	10	165

Winter gloves

- CE / EN 388 [2142] / EN 511 12X
- Made from latex and synthetic material
- Very comfortable design and fit
- Especially breathable fabric
- Good to wear
- Ideal for the winter
- Ideal for working with cold
- With hook and loop fastener



	Size mm	U
310.0411	8	110
310.0412	9	120
310.0413	10	135



Welding leather gloves

- Made from leather
- Good, comfortable wear
- Can be used for applications with heat
- With open sleeves



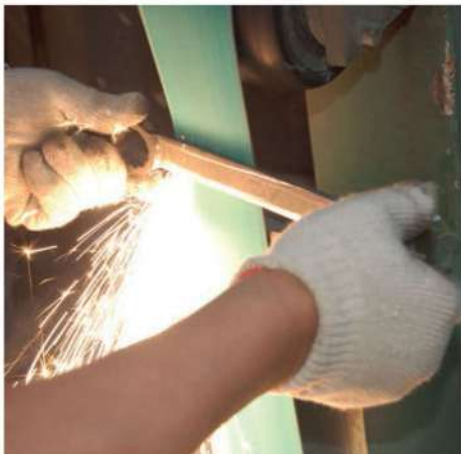
	Size mm	
985.7034	8	365
985.7035	9	365
985.7036	10	365
985.7037	11	365

Welding leather gloves, long

- Made from leather
- Extra long
- Good, comfortable wear
- Can be used for applications with heat
- With open sleeves



	Size mm	
985.7038	8	495
985.7039	9	495
985.7040	10	495
985.7041	11	495



Mechanic gloves

- CE / EN 388 [2121]
- Universal use for work and leisure
- Ideal for working with small parts secure grip
- With silicone gel padding in the palm area
- With elasticated wrists
- With hook and loop fastener



	Size mm	
310.0350	9	85
310.0355	10	90
310.0360	11	95

Leather mechanic glove

- CE / EN 388 [2111]
- Universal use for work and leisure
- Ideal for working with small parts secure grip
- Inner palm - synthetic material leather
- With anti-vibration protection
- With elasticated wrists
- With hook and loop fastener



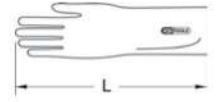
	Size mm	
310.0250	9	95
310.0255	10	95
310.0260	11	100

Electrician protective glove with natural latex insulation

- Dielectric latex gloves
- Insulated to DIN EN 60903
- With anatomical fit
- Anti-allergy treated
- With straight edge
- UV-resistant packaging

The use of glove liners is recommended for absorbing skin moisture and for better ventilation.

Attention: Over-gloves are necessary for mechanical protection!



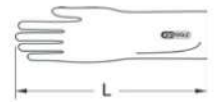
	Thickness mm	Size mm	Electrofit Class	L mm		
117.2315	1,0	8	0	400,0	△ 500V	215
117.1662	1,0	10	0	400,0	△ 1000V	215
117.1661	1,0	9	0	400,0	△ 1000V	215
117.1762	2,0	10	0	410,0	△ 1000V	470
117.1756	1,0	9	00	410,0	△ 500V	168
117.1757	1,0	10	00	410,0	△ 500V	189
117.2316	1,0	11	0	400,0	△ 500V	215

Electrician protective glove with natural latex insulation

- Dielectric latex gloves
- Insulated to DIN EN 60903
- With anatomical fit
- Anti-allergy treated
- With straight edge
- UV-resistant packaging

The use of glove liners is recommended for absorbing skin moisture and for better ventilation.

Attention: Over-gloves are necessary for mechanical protection!



	Thickness mm	Size mm	Electrofit Class	L mm		
117.1663	1,0	9	0	360,0	△ 1000V	215
117.1664	1,0	10	0	360,0	△ 1000V	215
117.1132	2,0	10	1	360,0	△ 7500V	250
117.1133	2,0	10	3	410,0	△ 26000V	690
117.1134	2,5	10	4	410,0	△ 36000V	890

TROUSERS

Work shorts

- With various universal pockets
- Embroidered logo
- Washable up to 60°

Material:
65% cotton
35% polyester



	Size mm	Weight
985.0660	48	380
985.0661	50	405
985.0662	52	435
985.0663	56	470
985.0664	60	500

Work trousers

- With elasticated waistband inserts
- With hammer loop
- With various universal pockets
- Embroidered logo

Material:
65% cotton
35% polyester



	Size mm	Weight
985.0670	48	660
985.0671	50	685
985.0672	52	705
985.0673	56	800
985.0674	60	750



Work dungarees

- With various universal pockets
- Adjustable strap with clip closures
- Adjustable drawstring on the leg
- Embroidered logo

Material:
65% cotton
35% polyester



	Size mm	Weight
985.0650	48	930
985.0651	50	900
985.0652	52	915
985.0653	56	935
985.0654	60	980



WORK COAT

Smock - red-black

- With button placket
- With various universal pockets
- Embroidered logo
- Washable up to 60°

Material:
100% Diagonal-Cotton



	Size mm	Weight
985.0741	L	600
985.0742	XL	640
985.0743	XXL	680

OVERALL

Overall - red-black

- With zip fastener
- With various universal pockets
- With padding
- Embroidered logo
- Washable up to 30°

Material:
35% Cotton
65% Polyester



	Size mm	Weight
100391	M	1,10
100392	L	1,20
100393	XL	1,30
100394	XXL	1,40

racing overalls

- With zip fastener
- With various universal pockets
- With padding
- Embroidered logo
- Washable up to 30°

Material:
100 % Cotton



	Size mm	Weight
985.0940	M	1,35
985.0941	L	1,39
985.0942	XL	1,45
985.0943	XXL	1,49